

# Town of Leicester PLANNING BOARD

3 Washburn Square Leicester, Massachusetts, 01524-1333 Phone: 508-892-7007 Fax: 508-892-7070 www.leicesterma.org

# PLANNING BOARD AGENDA Tuesday, November 2, 2021 @ 7:00PM

*In-Person* Meeting Room 3 Leicester Town Hall, Lower Level

# **ORDER OF BUSINESS\***

1.	7:00 PM	<b>Discussion, Site Plan Review</b> SPR2021-04, ZP Battery, 1355 Main St, medium-scale, ground-mounted solar energy system. Applicant: ZP Battery DevCo, LLC.
2.	7:15 PM	<b>Public Hearing, Definitive Subdivision Plan &amp; Special Permit</b> DSUB2021-02/SP2021-08, Skyview Estates, 651 Main Street, 74-unit residential subdivision, mix of duplex & multi-family structures, Applicant: MKPEP770, LLC.
3.	7:30 PM	<b>Public Hearing, Special Permit Amendment, Continued</b> SP2019-02, Smuggler's Cove Open Space Residential Development (reduction in road length & # of lots), Applicant: Central Land Development Corp.
4.	7:45 PM	<b>Definitive Subdivision Plan Endorsement and Covenant, SUB2021-01</b> Parker Street (North), Schold Development LLC.
5.	8:00 PM	<ul> <li>General Discussion:</li> <li>WorcShop: Hours of Operation</li> <li>Miscellaneous Project Updates</li> <li>Board Member Committee Updates</li> <li>Upcoming Meeting Dates</li> </ul>
	Adjourn	

#### \*Note: Agenda times for items that are not public hearings may be taken out of order.

"The listings of matters are those reasonably anticipated by the Chair 48 hours before said meeting, which may be discussed at the meeting. Not all items listed may in fact be discussed and other items not listed may also be brought up for discussion to the extent permitted by law"



# Town of Leicester PLANNING BOARD

3 Washburn Square Leicester, Massachusetts, 01524-1333 Phone: 508-892-7007 Fax: 508-892-7070 www.leicesterma.org

#### Memorandum

- To: Planning Board Members
- FROM: Alaa Abusalah, Town Planner Brooke Hultgren, Planning Department Assistant
- **DATE:** October 28, 2021

### **RE:** Planning Board Applications – November 2, 2021

All application materials are available online (Planning Board page under Current Applications/Plans).

## SPR2021-04, 1355 Main Street - ZP Battery DevCo, LLC

Site Plan Review: Medium-scale, ground-mounted solar energy system

- The applicant is proposing to install a new Solar Energy Storage System on the property with an estimated storage capacity of 5-Megawatt AC. Facility will be utilized purely for storage and not the generation of energy. Extensive clearing is not required. Overall development will be comprised of 8 concrete pads to store the ESS units along with applicable electrical components to allow for the interconnection to the grid. Total area of alteration will be approximately 38,000 square feet. Waiver requested from providing a review of the availability of water and sewer in the project area. Upon completion of construction, there will be no on-site employees.
- Original plans were revised in response to comments from Quinn Engineering. Updated plans and comments are included in the meeting packet.
- Comments from Police Department indicating LPD has no objections to this project but requesting emergency contacts for dispatch in the event of a catastrophic failure or evacuation plan if needed.

### DSUB2021-02/SP2021-08, 651 Main Street – Skyview Estates, MKPEP770, LLC

<u>Definitive Subdivision Plan & Special Permit:</u> 74-unit residential subdivision, mix of duplex & multi-family structures

- Town Planner met with Quinn Engineering on October 27, to discuss revised plans. Additionally, the Department of Inspectional Services, Police Chief, Fire Chief, Highway Superintendent, and Quinn Engineering conducted a group site visit on October 28. Photos attached. Comments from departments are pending.
- No updated plans or changes have been submitted. Most recent plans, dated October 6, are included in your meeting packet.
- The applicant has filed for an NOI with the Conservation Commission.
- The following comments are leftover from the previous meeting memo.
  - The 10/5/2021 revised plans and a memo from the engineer are included in the packet (traffic and drainage reports can be found online). Draft decisions

(written by Michelle) that are included in the packet will need to be edited quite a bit post-meeting, but I included them in the packet because she lists a number of sample conditions that may be helpful in your deliberation.



# SP2019-02, Smuggler's Cove Open Space Residential Development – Central Land Development Corp.

Special Permit Amendment: reduction in road length and number of lots.

- The following comments are leftover from the previous meeting memo. There have been no changes to this project/plans since July.
  - The 7/2021 revised plan is enclosed. Comments received since the hearing date on 7/20/2021 are enclosed; prior comments are online in the meeting packet for the 7/20/2021 Board meeting. The Board approved a special permit in 2020 for a 24 lot Open Space Residential Development (OSRD). The project had a 2,607'

roadway, with a 2,692' secondary emergency access). A copy of the prior decision is enclosed, as it summarizes the project, relevant bylaws & regulations, the rationale for the Board's decision, and conditions of approval.

- The current application is a proposed amendment of the 2020 special permit, to reduce the roadway length and the number of house lots (June 2021 proposal 13 lots/2,000' paved road w 1,995' gravel emergency access; July 2021 proposal 10 lots, 1,627' dead end).
- The next step for the applicant after the current application is approved or disapproved would be to proceed to the Definitive Plan stage with either the 2020 special permit design or 2021 amendment design (if approved). If the design without a secondary access is approved, a variance from the ZBA for dead-end length greater than 1,000' would be required. The project also still requires review and approval by the Conservation Commission (this is done at the Definitive Plan Stage).
- I advise the Board to allow the applicant to present his project in full and respond to Board concerns (and allow for comment for the public) before proceeding to a motion to approve or deny. I've enclosed the prior decision on this project again, as it summarizes the issues and the relevant evaluation criteria. The OSRD bylaw is contained in Section 5.13 of the Zoning Bylaw (starting on page 56).
- The Zoning Enforcement Officer has received several written requests to enforce the bylaw in relation to this project.

#### SUB2021-01, Parker Street (North) – Schold Development LLC

Definitive Subdivision Plan Endorsement and Covenant

• Both the final plans and the covenant need to be signed by the board.

Michelle R. Buck, Town Planner Leicester Development and Inspectional Services 3 Washburn Square Leicester, Massachusetts 01524

September 21, 2021

HANNIGAN

ENGINEERING, INC.

RE: Site Plan Review #1355 Main Street Energy Storage System (ESS) ZP Battery Devco, LLC Map 26/Parcel A1

Dear Ms. Buck,

On behalf of our client ZP Battery Devco, LLC, Hannigan Engineering, Inc. is submitting an application for Site Plan Review for the installation of a Solar Energy Storage System (ESS) at #1355 Main Street in Leicester, Massachusetts (Map 26/Parcel A1). The project is located within the Highway-Business-Industrial District-1 (HB-1) Zoning District and Site Plan Review is required by the Bylaw under Section 5.2.02.1(g) Medium-scale Ground-Mounted Solar Energy Systems.

Submitted as part of this application are the Site Development Plans of the project depicting the proposed construction, along with the Drainage Analysis & Report which outlines the impacts and mitigation of the construction project relative to Stormwater Management. The Project will be situated on a portion of the #1355 Main Street property along the southerly side of Main Street (Route 9) in Leicester. The property is currently is approximately 5.44 acres which is generally undeveloped and comprised mostly of woodland and brush areas. It is noted that some areas of an existing gravel access way exist within the area of development that is associated with the previous use of the adjacent property at #1323 Main Street. Areas subject to protection under the Wetlands Protection Act and the Leicester Wetland Bylaws were reviewed and delineated by Caron Environmental. These areas are limited to a Bordering Vegetated Wetland (BVW) along the southerly property line. A Notice of Intent is being filed concurrently with this submittal with the Leicester Conservation Commission.

It is the intent of the applicant to install a new Solar Energy Storage System (ESS) on the property with an estimated storage capacity of 5-Megawatt AC. For the purposes of classification under the current Zoning Bylaw this project is being considered as a Medium-scale Ground-Mounted Solar Energy System as the net cleared area of land is less than 40,000 square feet. As such Site Plan Approval is required by the Board. As part of the general construction, a portion of the existing woodland on the property will be cleared to facilitate the construction. Unlike other Solar Energy Systems this facility is utilized purely for the storage and not the generation of energy. Thus, extensive clearing is not required.

Upon completion of the tree cutting, the installation of the appropriate erosion control measures will occur to prevent the transport of soils and sediments to the lower elevations of the site. The overall development will be comprised of eight (8) concrete pads to store the ESS units along with applicable electrical components to allow for the interconnection to the grid. The total area of alteration associated with the project will be approximately 38,000 square feet.

Access to the site will be via an existing 20-foot gravel access drive off of Main Street Road This gravel drive will run along the easterly limit of the project area and be the permanent access to the site. It is anticipated to only be utilized on a periodic basis for general maintenance and inspections of the facility.

HANNIGAN

ENGINEERING, INC.

This access drive will be fitted with a T-turnaround which will allow for a typical emergency vehicle (SU40) or service vehicle to turnaround within the site.

The entire system will be surrounded by a chain-link security fence to prevent unauthorized entry. A gate will be provided at the entrance to the site with a Knox Box to allow emergency personnel to enter if necessary. Additional access gates will be provided along the perimeter of the system to allow for access to the proposed drainage infrastructure. Additionally, as required by the Bylaw, a sign will be added at the entrance of facility with the appropriate contact information for the operator and emergency contacts.

With respect to lighting, the only lighting for the project will be located in the area of the electrical systems and be operated by a motion sensor. Should maintenance be required, it is typically performed during daylight hours.

As part of the review, Stormwater Management Regulations are applicable, and the Stormwater Drainage Analysis and Report is included with this submission. To provide compliance with Stormwater Management Regulations for this project, a dry-detention basin will be constructed to mitigate the increases in peak rate of runoff. Stormwater generated by the completed project site will be transmitted via overland flow to the detention basin, which will be equipped with a PVC sub-drain system and an outlet structure consisting of various orifices to control the discharge rate of the flow. During smaller storm events, the stormwater will back up in the detention basin and be controlled by the discharge flow allowed by the subdrain system and outlet control structure.

The utility connection will utilize underground electrical conduits to transmit the electricity from the ESS to a series of transformers and inverters. From there, additional underground conduits will transmit the power to a series of connection poles or pad mounted equipment for final connect to the grid. The final design and connection location will be established by National Grid and is not under control of the applicant.

Safety and protocol surrounding the proposed ESS project are extensive. Each ESS container is equipped with sensors and monitors for heat, humidity and gases. There are audible and visible alarms associated with the protection system. Safety aspects above the automatic monitoring system will include "dry riser pipes" being installed and individually plumbed from each ESS container to a location outside of the fence-line. They will be labeled appropriately as to which container each pipe is plumbed to. In the event of an emergency, the fire department can directly connect to the pipe coupling associated with the affected ESS container.

#### SITE PLAN REVIEW

Per the Leicester Planning Board <u>Site Plan Review Rules and Regulations</u>, further information relative to the final project is required in aiding in the Planning Board's decision for Site Plan Approval. As stated above, the subject property is located at #1355 Main Steet on land of WR Enterprises, LLC with an approximate land area of 5.44-acres. The construction is limited to less than an acre to be utilized as part of this ESS Development. Currently, the property is undeveloped and comprised of mostly woodland and brush, with a small area of jurisdictional wetland along the southerly property line. Upon the completion of construction, there will no habitable structures on the property, with the only structures on the property being the ESS storage units and associated electrical equipment.

# HANNIGAN ENGINEERING, INC.

8 MONUMENT SQUARE, LEOMINSTER, MA 01453 PHONE: (978) 534-1234 FAX (978) 534-6060 CIVIL ENGINEERS & LAND SURVEYORS

Due to the nature of the project, parking areas are generally not required. In addition, the need for sewer and water connections are not required as there are no facilities on the project. A waiver has been requested from providing a review of the availability of water and sewer in the project area. Upon the completion of construction, there will be no on-site employees. The only instance that workers will be on-site will be during maintenance operations once every few months which will take place during daylight hours.

As for the construction timeline, it is the intent of the applicant to start construction of this project in the Spring or Summer of 2022, pending local approvals and financing. Upon start it typically takes six to eight months to complete the project, which will be completed within a single phase of construction.

In addition to seeking Site Plan Approval from the Leicester Planning Board, a Notice of Intent has been filed with the Leicester Conservation Commission and the Department of Environmental Protection (DEP) for the work being performed within the jurisdictional areas under the Wetland Protection Act.

As for the overall scope of the project, the total area of disturbance will be approximately 38,000 square feet which encompasses the area of tree clearing and fenced areas. The only areas within the project scope that are considered impervious are the proposed ESS concrete pads, which combined are approximately 1,700 square feet. The typical height of these ESS Units is approximately 8-feet, with no structure being more than 12-feet.

The property is currently located within a generally commercial area with the abutting property to the east being a commercial automobile facility and the property the west being commercial as well. The abutting property to the south is the undeveloped portion of residential property with the dwelling approximately 400-feet away from the intended development area. It is noted that there are several residential dwellings located along the opposite side of Main Street. As part of the design of the site, the ESS units are approximately 12 to 18-feet below the existing grade of Main Street, thus well below the sightline of the road and residential properties. As such it is not anticipated that the ESS units will be visible to the residential properties nor the roadway due to the topography relief and the existing vegetation to remain.

As previously mentioned, this project requires the filing of a Notice of Intent with the Conservation Commission for the proposed work. As part of that review, it was found that the land does not contain any NHESP habitat areas or vernal pools. As part of that filing the applicant is required to mitigate the potential impacts to the resource areas, generated by the construction process. As such erosion control measures in the form of staked straw wattles and silt fence will be placed along the limit of work.

Furthermore, due to the scope of the project, a filing for the Construction General Permit with the EPA will be required along the creation of a Stormwater Pollution Prevention Plan (SWPPP). Within these documents further detail will be provided relative to additional erosion control measures that may be required during construction. In addition to the SWPPP, regular inspections of erosion control and the site in general will be required to insure that the contractor is complying with the approved plan and that all measures in place are properly functioning.

HANNIGAN

ENGINEERING, INC

#### STANDARDS FOR SITE PLAN REVIEW

Per the Leicester Planning Board Zoning Bylaw, as part of the Site Plan review, certain considerations must be given to the proposed use and the impacts to the town. These are reviewed as follows:

A.) The use complies with all provisions of the Leicester Zoning Bylaw

As described above the project is located within Highway-Business-Industrial District-1 (HB-1) Zoning District and is allowed by right with Site Plan Approval from the Leicester Planning Board.

B.) The use will not materially endanger or constitute a hazard to the public health and safety

The ESS systems are comprised of inert solid materials. In the event of failure it is not anticipated that these materials would "leak" or emit any fluid or gas. In addition, the entire system area will be surrounded by a chain-link fence which will prevent any unauthorized personnel from entering the facility.

C.) The use will not create undue traffic congestion or unduly impair pedestrian safety

Upon the completion of construction, traffic to the site will be limited to service crews to perform periodic inspections and maintenance to insure the facility operates properly.

D.) Sufficient off-street parking exists or will be provided to serve the use

Due the nature of this type of project, off-street parking is needed for its daily operation.

E.) The use can be adequately served by water, sewer and other necessary utilities, or if these are unavailable, that they will be brought to the site at the owner's expense; or, the Planning Board is satisfied that the proposed alternatives will comply with all applicable regulations;

Due the nature of this type of project, the need for water and sewer is not necessary. A waiver has been requested relative to performing a review of the availability of such utilities. The only utility connection that will be required will be an overhead electrical connection to the existing infrastructure within Main Street.

F.) The use will not result in a substantial increase of volume or rate of surface water runoff to neighboring properties and streets, nor will result in pollution or degradation of surface water or groundwater

The project's stormwater system has been designed in accordance with the DEP Stormwater Management Regulations. As noted in Drainage Analysis and Report impacts from stormwater are not anticipated.

HANNIGAN

ENGINEERING, INC.

G.) The use will not result in any undue disturbance to adjoining property owners or the Town caused by excessive or unreasonable noise, smoke, vapors, fumes, dust, glare, etc...

Upon the completion of construction, the project will not generate any smoke, vapors, dust or glare as part of the project. The noise generated by project is isolated to ESS pad areas which will generate noise no more than that typical of a HVAC unit. These units will be located approximately 50-feet off the roadway and well below the grade of the road as to minimize sound impacts to the public way.

#### WAIVER REQUESTS

Per the Leicester Planning Board <u>Site Plan Review Rules and Regulations</u>, the Planning Board may waive any of the requirements upon submittal of information by the applicant that substantiates the waiver request. As required by the Zoning Bylaw several of the aspects of site plan review are not applicable to a project of this type specifically, traffic and water/sewer availability.

Due to the nature of this project, portions of this Site Plan Application are not applicable and waivers to these sections are requested as follows:

#### II.D: Traffic Study

- Due to the nature of the project, it is not anticipated that the project would have an adverse affect on traffic surrounding the site. Specifically, vehicular traffic for the project is not anticipated with the exception of the occasional maintenance and inspection. During construction, construction vehicles and equipment will be accessing the site by a proposed gravel drive off of Main Street. Additional signage will be placed along the roadway in this area to alert drivers of construction activity. Upon the completion of the project, the only traffic for the project would be for inspection and maintenance.

The applicant, therefore, requests a waiver to II.D: Traffic Study of the Bylaw.

#### II.E: Availability of Water and/or Sewer

-Due to the nature of the project, the project will not require any connections to the public water supply or any sewerage connections.

The applicant, therefore, requests a waiver to II.E: Availability of Water and/or Sewer of the Bylaw.

END OF TEXT

On behalf of our client, Hannigan Engineering, Inc. is requesting that this project be put on the agenda for the next available meeting. Representatives of this office and of the Applicant will be available to address any questions or concerns raised at that time. Should you require additional information prior to the meeting, please do not hesitate to contact this office. We appreciate the Town's assistance in this process as we look forward to working with you to obtain the anticipated approval of this project.

Sincerely, HANNIGAN ENGINEERING, INC

Christopher M. Anderson, PE Project Engineer

William D. Hannigan, PE President

HANNIGAN

ENGINEERING, INC.

pc: Pete Forte, ZP Battery Devco, LLC Tom Corbett, ZP Batter Devco, LLC

J:\My Documents\PROJECTS\3000+\3010-ZP Battery Leicester\Planning\3010-Planning Narrative.docx

For Planning Office Use: File #:\_SPR2021-04

# Leicester Planning Board Site Plan Review & Special Permit Application Form

Owner I	the second s	FORMATION	C		1		
Name:	William Roberts				WRE	Enterprise	LLC
Signatur	re: [	AHAA					
Address	1323	B Main Street ester, MA 01524					
Phone: (	508) 8	892-8007	Email:	bill@	classica	utomotivem	a.com
Applicar			-				
Name:	Ton	n Corbett		Company Name:	ZP Ba	attery Dev	Co LLC
Signatur	re: -	Tom la	LIA				
		Worcester Stree					
10 10 10 10 1	(774)	cester, Ma 01604 479-9870	Email	tcori	<u> </u>	eenergy.con	
	(774) 4 Contac		Email	tcori	Planning Boar		lication process.)
Primary	(774) 4 Contact Ton	479-9870 at Person (The perso	Email: <i>In that will be</i>	contacted by Company	Planning Boar	rd staff during the app	lication process.)
Primary Name: Address	(774) 4 Contact TON 10 E Work	479-9870 <b>It Person (The perso</b> <b>Corbett</b> Worcester Stree	Email: <i>In that will be</i>	Company Name:	ZP Ba	rd staff during the app	lication process.) /Co LLC
Primary Name: Address Phone:	(774) Contact Ton Ton 10 E Wor (774)	479-9870 <b>Tree Person (The person</b> <b>Corbett</b> Worcester Street cester, Ma 01604	Email: <i>m that will be</i> et 4 Email:	Company Name:	ZP Ba	nd staff during the app attery Dev	lication process.) /Co LLC
Primary Name: Address Phone: ( PROJI	(774) 4 Contact Ton 10 E Word (774) 4 ECT IN	479-9870 <b>Terson (The person</b> <b>Corbett</b> Worcester Street cester, Ma 01604 479-9870 <b>IFORMATION</b>	Email: <i>m that will be</i> et 4 Email:	tcori connected by Company Name:	ZP Ba	nd staff during the app attery Dev	lication process.) /Co LLC
Primary Name: Address Phone:	(774) Contact Ton Ton 10 E Work (774) CTON CTON	479-9870 <b>Treeson (The person</b> <b>Corbett</b> Worcester Street cester, Ma 01604 479-9870	Email: <i>m that will be</i> et 4 Email:	tCOri	ZP Ba	eenergy.con	rication process.) /Co LLC
Primary Name: Address Phone: ( PROJI Project A Assessors & Parcel	(774) 4 Contact TON TON 10 E Word (774) 4 ECT IN ddress: Map #	479-9870 <b>Person (The person</b> <b>Corbett</b> Worcester Street Cester, Ma 01604 479-9870 <b>IFORMATION</b> 1355 Main 26B A1	Email: <i>in that will be</i> et 4 Email: I Street	tCOFI	Planning Boar ZP Ba bett@zp	eenergy.con Zoning District: 62166 /	rication process.) /Co LLC n HB-1 240
Primary Name: Address Phone: ( PROJI Project A Assessors & Parcel	(774) Contact Ton Ton : 10 E Wor (774) CCT IN ddress: Map #	479-9870 <b>Terson (The person</b> <b>Corbett</b> Worcester Street Cester, Ma 01604 479-9870 <b>IFORMATION</b> 1355 Main 26B A1 Bylaw Section(s):	Email: <i>in that will be</i> et 4 Email: I Street	tCOri connected by Company Name: tcor tcor (Boo und-Mou	Planning Boar ZP Ba bett@zp Reference k & Page): nted Solar	eenergy.con	rication process.) /Co LLC n HB-1 240

For Planning Office Use: File #: SPR2021-04

# **PROJECT INFORMATION, Continued**

Size of Proposed S	Structure(s):	.5 acres			
Total Lot Area:	5.44 a	cres			
Water Source:	O Private Well		OCherry Valley & Rochdale Water Distric		
(Select Qne)	O Hillcrest Water District		O Leicester Water Supply District		
Sewer Source:	O Private S	eptic System	OCherry Valley Sewer District		
(Select One)	OHillcrest Water District		O Leicester Water Supply District		
(NA)	O Oxford R	ochdale Sewer District			

#### **Brief Project Description:**

Please include a brief description on this form (i.e. do not write "see attached"). [Examples: New construction of a 20,000s.f. retail building and associated parking; Use of a 1,000s.f. portion of an existing structure for a proposed pet grooming clinic.]

Construction of a 5 Megawatt Energy Storage System consisting of a 20 ft wide access Road, eight (8) battery containers, inverters, transformers and associated interconnection equipment. All equipment will be pad mounted. Electrical lines will be underground except what is necessary to be overhead per utility requirements. Stormwater feature is included in this design, the project will be completely fenced in with a Knox Box with a code that will be given to local emergency services for access.

# **Application Checklist**

Use this checklist to ensure you have provided all required information. See Planning Board Site Plan Review & Special Permit Regulations for details. 13 copies are required except where noted.

Plans (2-full-size & 11- 11"x17")	Detailed Project Narrative including any waiver requests <sup>1</sup>	Drainage Analysis/ Stormwater Report, (3 copies) n/a
Documentation of Availability of Water & Sewer N/a	Certified Abutters List $(1 \text{ copy})^2$	Traffic Study (3 copies)
Fees <sup>3</sup>	.pdf copy of all required submittal	s (CD or USB Drive)

See Planning Board Site Plan Regulations for details on what should be included in a Project Narrative. For special permits that don't require conformance with Site Plan Review submittal requirements, submit a narrative explaining conformance with special permit approval criteria (see Special Permit Regulations for details).

<sup>2</sup> certified abutters lists are required for all Special Permits applications and for Major Site Plan Review Applications (new construction over 30,000 s.f. and ground-mounted solar over 250,000 s.f or 2 acres or more of tree clearing)

<sup>3</sup> Please refer to the Planning Board's Fee Regulations. Checks must be made out to the <u>Town of Leicester</u>

For Planning B	oard Use:	
Date of Submitta	d:	1
Public Hearing/M	eeting Date(s):	
Date of Planning	Board Vote:	
Date Decision Filed	with Town Clerk:	Second Second

**Town of Leicester** 3 Washburn Square Leicester, Ma 01524

September 17, 2021

RE: Special Permit & Notice of Intent 1355 Main Street Energy Storage System ZP Battery DevCo, LLC Map 26B, Block A1, Parcel 0

To Whom it may concern:

Please be advised that W R Enterprise LLC has authorized ZP Battery DevCo, LLC to submit an application for Site Plan Approval and Notice of Intent relative to the construction of an Energy Storage System on land owned by W R Enterprise LLC depicted on Assessor's Map 26B, Block A1, Parcel 0.

Signed:

Date 2/17/21\_\_\_\_

Name: William Roberts

Title: Landowner



# TOWN OF LEICESTER

Office of Building and Code Enforcement 3 Washburn Square, Leicester MA 01524 Phone: 508-892-7003 Fax: 508-892-1163 www.leicesterma.org

Mr. Tom Corbett ZP Battery DevCo, LLC 10 E Worcester Street, Suite 3A Worcester, MA 01604

Re: Zoning Interpretation 1355 Main Street Leicester, Ma 01524

Dear Mr. Corbett:

I reviewed your enclosed request dated July 12, 2021 to provide a zoning determination in connection with the proposed use of the above-referenced property for the installation of an energy storage system ("ESS") at 1355 Main Street which is located in the HB-1 Zoning District. Like the existing solar energy systems, the ESS will be interconnected to National Grid's distribution grid on the LEICESTER 21W1 feeder.

For the reasons described herein, I have determined that the proposed ESS is a use allowed by Site Plan Review from the Planning Board under Section 5.14.4.0, "Ground-Mounted Solar Energy Systems" within the Town of Leicester Zoning Bylaws, as amended as of June 2, 2020 (the "Bylaws"). Section 3.2.05 of section 3 (Table of Use Regulations) of the bylaws provides that a "Medium-Scale Ground Mounted Solar Energy System is an allowed use by Site Plan Review from the Planning Board in the HB-1 zoning district.

Section 5.14.2 of the Bylaws (Definitions) defines a "Solar Energy System" as "Any solar collector or other solar energy device, including appurtenances, mounted on a building or on the ground, the primary purpose of which is to provide for the collection, storage, conversion and distribution of solar energy for space heating or cooling, water heating or generation of electricity." For purposes of this letter, I will use the term "solar energy system."

The Bylaws define a solar energy system as including the "storage and distribution of electricity." The Bylaws' definition of a solar energy system does not require that the sale and/or distribution of electricity immediately follow its generation. An energy storage system is necessary to sell and/or distribute electricity at a future time. Accordingly, the Bylaws' definition of a solar energy system necessarily includes the concept of energy storage.

I have considered the proposed ESS project and planned work in relation to the applicable requirements of the Bylaws. Accordingly, based upon your July 12, 2021 communication, and provided that the ESS will be located on the same electric distribution feeder as existing solar energy facilities and where it is proposed that electricity used to charge the ESS will be generated by solar energy facilities on the same feeder, it is my determination that the ESS is an energy storage system with respect to those solar energy facilities for the subsequent distribution of electricity. The proposed ESS will be a component of a solar energy system as defined by the Bylaws Section 5.14.4.0.

Sincerely,

Michael Silva Building Inspector/Zoning Enforcement Officer Town of Leicester

M.D.P.U. No. 1320 Canceling M.D.P.U. No. 1248 Sheet 135 of 141

#### STANDARDS FOR INTERCONNECTION OF DISTRIBUTED GENERATION

#### Exhibit 1-Landowner Consent Agreement

(Note: This Consent is to be signed by the owner of the land where the distributed generation installation and interconnection will be placed, when the owner or operator of the distributed generation installation is not also the owner of the land, and the landowner's electric facilities will not be involved in the interconnection of such distributed generation installation.)

1. The purpose of this Consent is to provide the Company with assurance that the installation of a distributed generation facility (the "Facility") by the Interconnecting Customer on the Property has been approved by the Landowner.

 The Landowner hereby acknowledges that it has authorized the Facility to be installed and operated by Interconnecting Customer on the Property pursuant to agreements between the Landowner and the Interconnecting Customer that are in full force and effect as of the date hereof.

3. The Landowner hereby acknowledges that the Landowner shall look solely to the Interconnecting Customer for the performance of and compliance with all of the terms of any agreements between the Landowner and the Interconnecting Customer, and that the Company shall not, by virtue of any agreement between the Company and the Interconnecting Customer, be deemed to have assumed any obligation or liability to the Landowner.

4. The Company hereby acknowledges that the Company shall look solely to the Interconnecting Customer for the performance of and compliance with all of the terms of any agreements between the Company and the Interconnecting Customer, and that the Landowner shall not, by virtue of any agreement between the Landowner and the Interconnecting Customer, be deemed to have assumed any obligation or liability to the Company.

M.D.P.U. No. 1320 Canceling M.D.P.U. No. 1248 Sheet 136 of 141

#### STANDARDS FOR INTERCONNECTION OF DISTRIBUTED GENERATION

5. The Landowner hereby grants the Company access as necessary to the Property for Company personnel, contractors or agents, to perform Company's duties under the agreements with the Interconnecting Customer.

6. Landowner acknowledges and agrees that the Company shall have no liability to the Landowner, whether in tort or contract, or under any other legal theory, and specifically excluding any indirect, incidental, special, consequential, or punitive damages of any kind whatsoever, for any loss, cost, claim, injury, liability, or expense, including court costs and reasonable attorney's fees, relating to or arising from (a) the installation or operation of the Facility on the Property, or (b) any act or omission in the Interconnecting Customer's performance of its agreements with the Landowner or the Company, except to the extent caused solely by the negligence or willful misconduct of the Company, its agents, contractors or employees.

7. This Agreement shall be interpreted, governed, and construed under the laws of the Commonwealth of Massachusetts without giving effect to choice of law provisions that might apply the law of a different jurisdiction.

IN WITNESS WHEREOF, the Landowner and the Company have caused this Consent to be executed under seal by its duly authorized representatives.

LANDOWNER

By:	1998/	
Name:	Bill Roberts	
Title:	daver	

COMPANY

By:	
Name:	
Title:	

	-	-
	-	RD®
AC	OI.	KD .
	100	

# **CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY) 03/22/2021

CERTIF BELOW REPRES	ERTIFICATE IS ISSUED AS A ICATE DOES NOT AFFIRMAT . THIS CERTIFICATE OF INS SENTATIVE OR PRODUCER, A	IVELY OF SURANCE ND THE C	R NEGATIVELY AMEND, DOES NOT CONSTITU ERTIFICATE HOLDER.	, EXTEN	ONTRACT	ER THE CO BETWEEN 1	VERAGE AFFORDED E THE ISSUING INSURER	(S), A	e policies Uthorized
If SUBR	ANT: If the certificate holder OGATION IS WAIVED, subject	to the te	rms and conditions of th	he polic	y, certain p	olicies may	NAL INSURED provision require an endorsemen	sorb As	e endorsed. tatement on
PRODUCER	thicate does not confer rights t	o the cer	tincate noider in lieu of s	CONTAC				_	2 1 C A 10 C A 10 A
Man	sh USA Inc.			NAME: PHONE			FAX		
	9 Allen Parkway, Suite 2500 ston, TX, 77019			PHONE (A/C, No E-MAIL	Ext):		FAX (A/C, No):	-	
HOU	sion, 1X //013			ADDRES	35:				
				INS	SURER(S) AFFOR	RDING COVERAGE		NAIC #	
CN11535410	0-GAWU-20-21			INSURE	RA: ACE Amer	ican Insurance C	ompany		22667
INSURED	GIE Holdings Inc.		INSURE	R B : ACE Prope	erty & Casually In	surance Company		20699	
And	their subsidiaries			INSURE	RC:				
	0 Post Oak Blvd, Ste 400 ston, TX 77056			INSURE	RD:				
nou	301, 17, 17000			INSURE	RE:			- 11	
				INSURE	RF:		and the second se		
COVERA			E NUMBER:		003768082-01		<b>REVISION NUMBER: 5</b>		and the second second
INDICATI CERTIFIC EXCLUSI	TO CERTIFY THAT THE POLICIES ED. NOTWITHSTANDING ANY RE CATE MAY BE ISSUED OR MAY ONS AND CONDITIONS OF SUCH	EQUIREME PERTAIN,	NT, TERM OR CONDITION THE INSURANCE AFFORD LIMITS SHOWN MAY HAVE	DED BY	CONTRACT	OR OTHER S DESCRIBE PAID CLAIMS	DOCUMENT WITH RESPE	CT TO	WHICH THIS
NSR LTR	TYPE OF INSURANCE	INSD WVD	POLICY NUMBER	-		POLICY EXP (MM/DD/YYYY)	LIMIT	S	
A X C	OMMERCIAL GENERAL LIABILITY	1.1.1	HDO G71080316		07/01/2020	07/01/2021	EACH OCCURRENCE DAMAGE TO RENTED	\$	1,000,000
	CLAIMS-MADE X OCCUR						PREMISES (Ea occurrence)	\$	300,000
							MED EXP (Any one person)	\$	10,000
							PERSONAL & ADV INJURY	\$	1,000,000
GENL	AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$	2,000,000
P	DLICY X PRO-						PRODUCTS - COMP/OP AGG	\$	2,000,000
	THER:						EMPLOYEE BENEFITS	\$	1,000,000
A AUTON	OBILE LIABILITY		ISA H25260090		07/01/2020	07/01/2021	COMBINED SINGLE LIMIT (Ea accident)	\$	1,000,000
1.	OTUA YP		a second s				BODILY INJURY (Per person)	\$	
AL	UTOS ONLY SCHEDULED AUTOS						BODILY INJURY (Per accident)	\$	
XH	TOS ONLY X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	\$	
0.5 111			address of the second second		1			\$	
BXU	MBRELLA LIAB X OCCUR		XOOG27614814 006		07/01/2020	07/01/2021	EACH OCCURRENCE	\$	10,000,000
E	KCESS LIAB CLAIMS-MADE						AGGREGATE	\$	10,000,000
DI	ED RETENTION \$		. das 12 milita	_	1.1.1.1.	110.00		\$	
	RS COMPENSATION		WLR C50803697 (AOS)		07/01/2020	07/01/2021	X PER OTH-	-	
ANYPRO	OPRIETOR/PARTNER/EXECUTIVE	2/2	SCF C50803703 (WI)		07/01/2020	07/01/2021	E.L. EACH ACCIDENT	\$	1,000,000
(Manda)	tory in NH)	N/A					E.L. DISEASE - EA EMPLOYEE	\$	1,000,000
If yes, de DESCRI	escribe under IPTION OF OPERATIONS below		1				E.L. DISEASE - POLICY LIMIT	5	1,000,000
ESCRIPTION	N OF OPERATIONS / LOCATIONS / VEHICI	LES (ACORC	0 101, Additional Remarks Schedu	ule, may be	attached if mor	e space is requir	ed)		
CERTIFIC	ATE HOLDER			CANC	ELLATION				
Evide	ence of Insurance			THE	EXPIRATION ORDANCE WI	N DATE THE TH THE POLIC	ESCRIBED POLICIES BE C/ EREOF, NOTICE WILL E Y PROVISIONS.		
					IZED REPRESE n USA Inc.				
				Engineer	in M. Wade		Freecon M. a	40.00	

The ACORD name and logo are registered marks of ACORD

AGENCY CUSTOMER ID: CN115354100

LOC #: Houston

# ADDITIONAL REMARKS SCHEDULE

ACORD <sup>®</sup> ADDI	TIONAL REM	ARKS SCHEDULE	Page 2 of 2
AGENCY Marsh USA Inc.	the contract of the first	NAMED INSURED ENGIE Holdings Inc.	
POLICY NUMBER		ENGIE Holdings Inc. And their subsidiaries 1360 Post Oak Blvd, Ste 400	
	1	Houston, TX 77056	
CARRIER	NAIC CODE	EFFECTIVE DATE:	
ADDITIONAL REMARKS		EFECTIVE DATE.	
THIS ADDITIONAL REMARKS FORM IS A SCHEDU	JLE TO ACORD FORM,		
FORM NUMBER:25 FORM TITLE: Certi	ificate of Liability Insur	ance	
Contractors Professional Protective Indemnity Carrier: Eerkley Assurance Company Protective Professional Protective Indemnity Carrier: Eerkley Assurance Company Ergen Carrier: Eerkley Assurance Company Inite: Statute Company Professional Protective Indemnity Professional Protective Indemnity Professional Professional Profession Professional Professional Profession Professional Professional Profession Professional Professional Profession Professional Professional Profession Professional Professional Profession Professional Professional Profession Professional Profession			
ACORD 101 (2008/01)	and a subscription	© 2008 ACORD CORF	PORATION. All rights reserved.
	ORD name and logo ar	e registered marks of ACORD	

#### Disclaimer

Each individual BESS facility requires a customized ERP which addresses the sitespecific hazards and conditions of that facility. This ERP template should be used as a starting point in developing a site-specific ERP for a particular BESS facility.

# Facility Name Battery Energy Storage System Emergency Response Plan

This is an Emergency Response Plan (ERP) for the facility name energy storage facility located at [full street address]. This ERP provides information and instruction to assist first responders in preparing for and safely responding to an accident, fire, or other emergency associated with the facility name energy storage facility. Life safety of personnel shall be the highest priority during any event.

#### **Table of Contents**

- I. Emergency Contact Information
- II. First Priorities in a BESS Emergency
- III. Facility Description
- IV. Hazards Overview
- V. PPE
- VI. Fire Suppression System and Alarms
- VII. Emergency Response Recommendations
- VIII. HAZMAT Considerations
- IX. Appendices
  - a. Appendix A: Site Plan
  - b. Appendix B: Site Specific Signage and Placards
  - c. Appendix C: Single Line Diagram
  - d. Appendix D: Top & Side View Diagrams of Major BESS Equipment
  - e. Appendix E: Battery SDS

# I. Emergency Contacts

EMERGENC	Y CONTACT INFORMATION
Emergency: 911	EMS Provider EMS provider name 911 or xxx-xxx-xxxx
Local Fire Department FD name FD street address, city, state xxx-xxx-xxxx (non-emergency) xxx-xxx-xxxx (dispatch)	Hospital hospital name hospital street address, city, state xxx-xxx-xxxx
Law Enforcement PD name PD street address, city, state xxx-xxx-xxxx	Burn Center burn center name burn center street address xxx-xxx-xxxx
ENGIE North / ENGIE call center available hours, 24/7, etc 800-xxx-xxxx	America Emergency Contacts  ENGIE emergency contact #1 Available hours, M-F xxx-xxx-xxxx  ENGIE emergency contact #2 Available hours, M-F xxx-xxx-xxxx

II. First Priorities in a BESS Emergency In case of emergency at facility name, the most important priorities are as follows, listed in order of priority:

a local and the second	FIRST PRIORITIES IN A BESS EMERGENCY	
#1 -		
#2 -		
#3 -		
#4 -		
#5 -		

HOW TO SAFELY D	DISCONNECT THE BATTERY ENERGY STORAGE SYSTEM	
<b>Option #1</b> Activate the e-stop disconnect on-site	<ul> <li>→ Emergency disconnects for the BESS are located</li> <li>[location description]. See Appendices A and D for specific location of the emergency disconnect. Only qualified and trained personnel should operate the emergency disconnect if it is safe to do so.</li> <li>→ ENGIE system operators may be able to disconnect the BESS remotely</li> <li>→ Activating the Fire Suppression System (either electrically or manually) will cause the BESS to disconnect and shut down</li> </ul>	
Option #2 Contact ENGIE system operators to activate a disconnect remotely		
<b>Option #3</b> Activate the Fire Suppression System		

#### III. Facility Description

Facility name is a battery energy storage facility located in [full street address], [lat/long].

The facility is comprised of lithium-ion batteries and other electrical equipment in [quantity] enclosures covering approximately [quantity] square feet. The primary entrance to the facility is located on [location], accessed from [best road / access point]. A secondary entrance to the facility is located on [location], accessed from [best road / access point]. Operation of the facility is managed remotely; there are no full-time personnel on-site. Maintenance technicians are typically on-site for maintenance or repair purposes only. There are no occupied buildings near the facility name facility.

A site plan of the facility name facility is provided in Appendix A. An electrical diagram of the main BESS and related components is provided in Appendix C. Side-view and top-view diagrams of the BESS equipment are provided in Appendix D.

The facility name facility provides electrical services to the electric grid. There are some low voltage auxiliary power devices associated with the BESS and other equipment, but the BESS does not provide electrical services or back-up power to a building, residence, or other facility.

An on-site emergency disconnect for the BESS is located **[location]**. See Appendices A and D for specific location of the emergency disconnect. Only qualified and trained personnel should operate the emergency disconnect. Only operate the emergency disconnect if it is safe to do so.

Fac	ility Name Battery Energy Storage System Facility		
Facility Location	street address		
	city, state, zip code		
Major Equipment on Site	[quantity] [footprint dimensions] enclosures containing lithium-ion		
	batteries, inverter, HVAC units, and fire suppression system		
	<ul> <li>[quantity] [footprint dimensions] medium voltage transformers</li> </ul>		
	<ul> <li>[quantity] solar electric (PV) panels (see Appendix [xx] for</li> </ul>		
	emergency response instructions regarding the PV panels)		
	<ul> <li>Low voltage switchgear, metering equipment</li> </ul>		
BESS Equipment	The xxMW/xxMWh BESS consists of [quantity] free-standing		
	enclosures. Each BESS container includes [quantity] battery racks,		

Page 4 of 8

[quantity] DC-to-AC inverters, [quantity] HVAC units, an AC auxiliary power distribution system, a DC power distribution system, a fire suppression system, and controls equipment.
The AC output of the inverters is connected to the low side of the medium voltage transformer. The high side of the medium voltage transformer is connected to the electric grid.

#### IV. Hazards Overview

Hazards at the facility name facility include the following-

- Electrical equipment Electrical equipment shall always be treated as energized.
   Associated hazards include electric shock, arc flash, and fire.
- Overhead power lines Overhead power lines shall always be treated as energized.
   Associated hazards include electric shock, arc flash, and fire. For locations see facility site plan, Appendix A.
- BESS electrical equipment BESS electrical equipment including batteries shall always be treated as energized. A BESS does not have a single point of disconnect to electrically isolate all components from each other. There are disconnects that will de-energize select parts of the system, but the batteries themselves will remain energized.
- BESS battery fire Battery fires present unique hazards, including stranded energy and reignition risk.
- BESS off-gassing Lithium-ion batteries release flammable and toxic chemicals when subjected to electrical or physical damage, including fire. Chemicals released can also pose an inhalation hazard.
- BESS explosion Accumulated flammable gasses inside a BESS enclosure may result in an explosion, if ignited.
- Other site-specific hazards

#### V. <u>Personal Protective Equipment (PPE)</u> [recommended PPE]

#### VI. Fire Suppression System and Alarms

Each BESS enclosure includes a chemical fire suppression system (FSS) and alarms with the following major components:

- o FM-200 cylinder
- Control panel (internal)
- Indicator panel (external)
- Smoke and heat detectors
- o Alarm bell and strobe light

The FSS can be activated either electrically or manually. Smoke and heat sensors inside the BESS enclosure(s) will activate the FSS discharge process if fire conditions are detected. The FSS will also activate audio and visual alarms to warn anyone on-site of potentially dangerous conditions. The FSS can be activated manually by pushing the red button marked 'MANUAL' on the indicator/external panel.

The fire alarm system for each BESS enclosure is set up into a single zone and includes both smoke and heat detectors. The system is designed with a two-stage alarm notification.

Stage 1	→Alarm bell sounds <u>or</u> strobe light flashes
Smoke <u>or</u> heat detector sends an alarm signal	→The HVAC units shut down
Stage 2	→Alarm bell sounds <u>and</u> strobe light flashes
Smoke and heat detectors	→The HVAC units shut down
send an alarm signal	→The FM-200 fire suppression system begins 30 second countdown to chemical agent release

If a red indicator light of the indicator panel is on, the FM-200 chemical agent has been deployed inside the BESS enclosure.

[add photo/diagram of the indicator/eternal panel, label the manual activation button and FM-200 deployment indicator light]

[add sequence of operations diagram for the FSS]

#### VII. Emergency Response Recommendations

BESS fires present a unique set of hazards and should be treated differently than fires involving other electrical equipment. A BESS fire may exhibit heat output in excess of 2,000 degrees Fahrenheit. Signs of a BESS fire at the facility name facility include:

- o Smoke or flame
- o Shrapnel ejection
- o Hissing and popping noises

The facility name BESS includes <u>lithium-ion batteries</u>. The recommendations described below refer specifically to emergencies involving lithium-ion batteries. If fire conditions are suspected or observed, the on-site emergency BESS disconnect should be operated, if it is safe to do so. ENGIE system operators may also be able to remotely disconnect the BESS from the utility.

	FIRE
xx	
Status -	Fire Suppression Sources
	an agent (FM-200). The clean agent fire suppression system may be of the manual pulling station on the BESS cabinet exterior, located on
the back/front/side of the BES	S cabinet.
[photo / diagram of the manual [photo / diagram of the manual photo ] [photo ] [phot	al FSS deployment initiator]
	e: Water from the nearest available water sources. For locations see

#### ELECTRIC SHOCK

XX

# ARC FLASH

хх

#### VIII. HAZMAT Considerations

Runoff water from fire suppression shall be attempted to be contained using diking, damming, or other preventative measures. Physical barriers such as PIGS may be utilized to control runoff. If any storm drains or other drainage types are present which may flow off-site and will not be contained to a retention area, those drains shall be covered with mats or protected with barriers.

Unlike some other battery chemistry types, lithium-ion batteries do not have free-flowing liquid electrolyte. A large spill battery acid is therefore not a significant hazard with lithium-ion battery fires or accidents.

	Facility Name ERP Version Tracker	Contraction of the Contract of the
	d to reflect any significant change co	
(example: in	stallation of additional BESS or othe	r equipment)
Version	Date	Author
1.0	xx/xx/xxxx	



# SPILL PREVENTION PLAN & HAZARDOUS MATERIAL Energy Storage System (ESS)



#### 1.0 SPILL PREVENTION PLAN

#### 1.1 MATERIAL MANAGEMENT PRACTICES

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

#### 1.1.1 GOOD HOUSEKEEPING:

The following good housekeeping practices will be followed during the construction project.

- An effort will be made to store only enough product required to do the job.
- All materials stored onsite will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.
- All materials will be stored outside of resource areas.
- Products will be kept in their original containers with the original manufacturer's label.
- Manufacturer, local, and State recommendations for proper use and disposal shall be followed.
- Substances will not be mixed with one another unless recommended by the manufacturer.
- Whenever possible, all of a product will be used up before disposing of the container.
- The site superintendent will inspect daily to ensure proper use and disposal of materials onsite.
- Spill kits will be located in the office trailer at all times. All subcontractors will be
  responsible for having their own spill kits on site at all times.

#### 1.1.2 SPILL CONTROL PRACTICES

Spill Control Practices shall be in conformance with the guidelines set forth in the National Pollutant Discharge Elimination System (NPDES) Stormwater Pollution Prevention Plan (SWPPP)

- Manufacturer's recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup will be kept in the material storage area onsite. Equipment and materials will include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose.
- All spills will be cleaned up immediately after discovery.
- The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with hazardous substance.
- Spills of toxic or hazardous material will be reported to the appropriate State or local government agency, regardless of the size.

#### 1.1.3 REQUIREMENTS FOR STORAGE AND USE OF FERTILIZERS:

No pesticides, herbicides, or insecticides are to be used on the property.



#### 2.0 HAZARDOUS MATERIALS

The ESS facility contains hazardous materials, although these materials are contained, controlled and non-hazardous during normal operation of the components. The batteries will be mounted on stationary racking systems with no movable parts. The ESS installation requires no lubricants, fuel or water for operation, and generates no wastewater requiring disposal. If a battery was to be punctured or damaged, the reaction of the electrolyte inside the battery would be hazardous to the environment and personnel.

The proposed transformers for the ESS facility will contain a non-toxic, vegetable oil- based fluid (Envirotemp FR3 fluid) as a coolant. Envirotemp FR3 fluid is formulated from seed oils (>98.5% vegetable oil) and performance enhancing additives and colorant.

During construction, hazardous materials in the form of limited quantities of fuel (gasoline or diesel), lubricating and hydraulic oil, and coolants, will be temporary introduced on the site within the construction vehicles and equipment. Refueling protocols and spill preventive measures will be further detailed within the SWPPP to be provided prior to the start work.

#### 2.1 HAZARDOUS PRODUCTS:

These practices are used to reduce the risks associated with hazardous materials.

- Products will be kept in original containers unless they are not re-sealable.
- Original labels and material safety data will be retained; they contain important product information.
- If surplus must be disposed of, manufacturer's or local and State recommended methods for proper disposal will be followed.

#### 2.1.1 PRODUCT SPECIFIC PRACTICES:

The following product specific practices will be followed onsite:

#### Lithium-Ion Batteries

As a solid, manufactured article, exposure to hazardous ingredients is not expected with normal use of Lithium-Ion batteries. Lithium-Ion batteries are articles pursuant to 29 CFR 1910.1200 and, as such, is not subject to the OSHA Hazard Communication Standard requirement and is therefore not hazardous when used according to the recommendations of the manufacturer.

Under recommended and controlled use conditions, the electrode materials and electrolyte are non-reactive provided that the cell or battery integrity remains and the seals remain intact. If cell is mechanically, thermally or electrically abused and leakage occurs, a qualified person should remove the battery from the container.

#### Petroleum Products

All onsite vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum product will be stored in tightly sealed containers which are clearly labeled.



#### Equipment Coolant

The proposed transformers for the facility will contain a non-toxic, vegetable oil- based fluid (Envirotemp FR3 fluid) as a coolant. Envirotemp FR3 fluid is formulated from seed oils (>98.5% vegetable oil) and performance enhancing additives and colorant.

Sinopec -40 degrees Celsius Inverter Engine Coolant used as a heat transfer medium in the inverter. Coolant is comprised of Ethylene Glycol, water and an additive. This product is not classified as a physical, health or environmental hazard.

#### Concrete Products

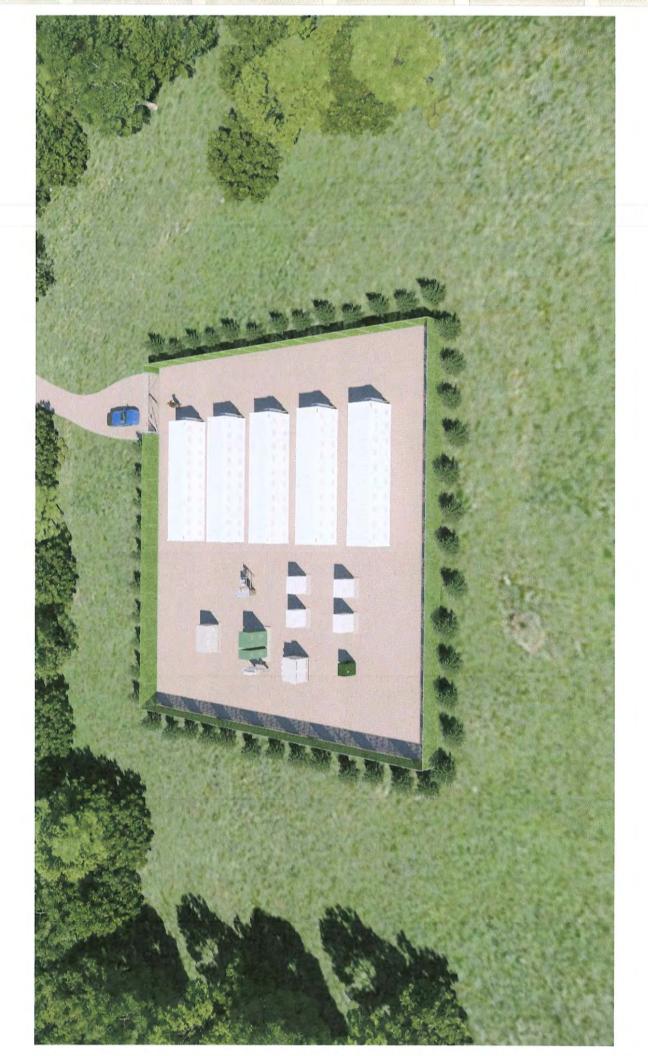
Concrete contractors should be encouraged, where possible, to use the washout facilities at their own plants or dispatch facilities.

If concrete washout or discharge of surplus concrete or drum wash water on the site is needed for emergency purposes only, then the following must comply:

- Do not wash out concrete trucks or equipment into storm drains, streets, gutters, uncontained areas, or streams.
- Washout area shall be located within the designated construction laydown area per the approved permit plans only and advertise the location with signs.
- Direct all washwater into a leak-proof container or leak-proof pit. The container or pit
  must be designed so that no overflows can occur due to inadequate sizing or
  precipitation. Provide adequate containment for the amount of wash water that will be
  used
- Inspect washout structures daily to detect leaks or tears and to identify when materials need to be removed.
- Dispose of materials properly. The preferred method is to allow the water to evaporate and to recycle the hardened concrete. Full service companies may provide dewatering services and should dispose of wastewater properly. Concrete wash water can be highly polluted. It should not be discharged to any surface water, storm sewer system, or allowed to infiltrate into the ground. It should not be discharged to a sanitary sewer system without first receiving written permission from the system operator.



# CONCEPTUAL RENDERINGS Energy Storage System (ESS)











# SYSTEM OPERATIONS & COMPONENTS

# Energy Storage System (ESS)



ZP Battery DevCo, LLC 10 E Worcester Street, Suite 3A, Worcester, Massachusetts 01604



#### 1.0 ESS SYSTEM OPERATION

An Energy Storage System is comprised of many components to successfully store energy from a distribution line and discharge that energy back into the distribution line during times of high load. Interconnection to the distribution line is done by the local power company who owns the distribution line. The interconnection to a specific distribution line is done with intricate detail to assure the system charges and discharges at appropriate times and does not cause unwanted load on the grid. In addition, the Grid Synergy (GS) Controller is a hardware interface between ESS equipment on site and the Network Operations Center. The GS controller is typically mounted by the main electrical panel within the facility. The GS controller communicates to the ESS via an ethernet connection. The GS Controller is responsible for monitoring all components of the ESS and delivers charge and discharge commands to the ESS.

The ESS will charge from existing photovoltaic systems interconnected to the same distribution line as the ESS. PV arrays generate electricity during the day while the sun shines, known as the charging window. While PV is a clean, renewable energy source it is only supplying energy to the grid during the day. This is when energy storage systems store the power produced by the PV arrays. ESS discharge the stored PV power to be utilized during times of peak demand thus creating an efficiency within the power structure.

#### 2.0 INTERCONNECTION

Interconnection is the energized connection of the ESS to the distribution line. The local power company designs the interconnection and what equipment is required to make the connection. The power company is also the one who makes this interconnection from the distribution line to the required project equipment on site.

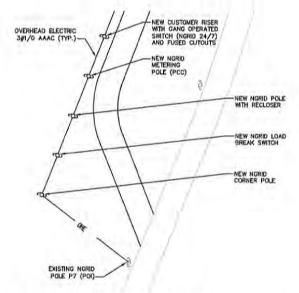
A typical interconnection requires multiple pieces of equipment. That equipment can be pole mounted or pad mounted equipment. Whether the equipment is pole or pad mounted, it needs to meet the specifications and requirements of the utility company. Each connection to the distribution line goes through an interconnection service process with the utility company to assure proper relay settings and metering of the ESS.

#### 2.1 POLE MOUNTED INTERCONNECTION

A pole mounted interconnection starts at a pre-determined utility pole in the public way. From the existing pole, the connection will go to a utility owned Gang Operated Air Break (GOAB) and Recloser, allowing the utility company to sever the connection to the site if they need to work on a failed piece of equipment. A separate line will go to the utility owned meter for the auxiliary service. Then, the line will go to a utility owned primary meter tracking the amount of power produced by the ESS.



After the utility owned equipment there will be a project owned GOAB which allows the project owner to cut the power from the distribution line in case of emergency and/or maintenance of the facility. After the investor owned GOAB the line will go underground via conduit to the project location and connect to the site via a Recloser.

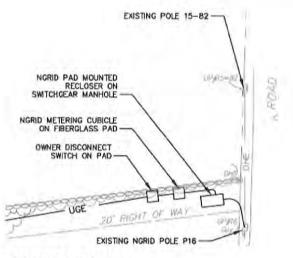


#### 2.2 PAD MOUNTED INTERCONNECTION

A pad mounted interconnection starts the same way a pole mounted interconnection starts, with a GOAB/Recloser which will typically be mounted on the pre-determined interconnection pole or a new pole on the property that will get tied into the distribution line. From the Recloser, the line will go to a pad mounted, utility owned meter via underground conduit. A separate line will go to a pad mounted, utility owned meter via underground conduit from the interconnection pole for the auxiliary service.

After the utility owned equipment meter, the line will continue to a project-owned, pad mounted disconnect switch via underground conduit. The line will then continue to a Recloser and meter within the ESS site.





#### 3.0 INTERCONNECTION COMPONENTS

#### 3.1 GANG OPERATED AIR BREAK (GOAB)

A Gang Operated Air Break is a commonly used disconnect switch that utility companies use to break an electrical connection for isolation. It is referred to as "gang operated" because there are three separate switches, one for each phase, that are operated as a group from a single control. "Air Break" refers to it being operated in the air rather than in another medium, such as soil.



The purpose of this switch is to disconnect the project site from the incoming distribution line, not to disconnect the transformer from the load. It acts as a large safety switch that has no load breaking capability.

On the top side of the GOAB there are 300 Amp fuses that stop the flow of current in the event of an internal fault or a short circuit in the transformer.



#### 3.2 TRANSFORMER

A transformer is a device that provides the final voltage transformation in the electric power system. In normal operation, electricity flows into the transformer on the high-voltage side where it goes into a coil of wire, usually wound around an iron core. As the electricity flows through this coil, it creates a magnetic field that "induces" a voltage in the other coil.

The transformers on site will step down the voltage that comes into the site from the distribution line for it to be stored into the battery modules. When the batteries are discharged the



voltage will then be stepped up to match the voltage in the distribution line where it will be fed into.

#### 3.3 RECLOSER

A Recloser is an automatic, high-voltage electric switch. It operates like a circuit breaker on household electrical lines, it shuts off electric power when trouble occurs. A Recloser will automatically test the electrical lines to determine whether the trouble has been removed. If the problem was only temporary, the Recloser will automatically reset and restore power.



#### 3.4 METER

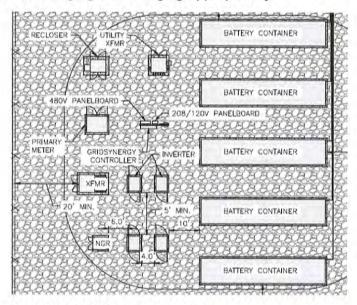
A meter will read the amount of electricity that is used and taken off the distribution line. The meter reflects the total percentage of the load placed on the generating capacity of the electrical accessories and battery.





#### 4.0 ENERGY STORAGE SYSTEM COMPONENTS

There are components of the ESS that are similar or the same as the components of interconnection, the reason for this is so that the project owner and utility company can simultaneously monitor the site. Components that make up the ESS system allow the user to create relay and time settings that provide further security and assurances that the system will be discharging and charging appropriately.



#### 4.1 GRID SYNERGY (GS) CONTROLLER

The GS Controller monitors the entire ESS system. This controller monitors the battery management system for battery activity, charging and discharging. The GS controller also monitors the Fire Suppression System (FSS) as well as the HVAC components for the ESS. This is done by a data connection





#### 4.2 INVERTER

An inverter is an electronic device that can turn Direct Current (DC) to Alternating Current (AC). The inverters that will be used in the ESS are Sungrow model SC1375UD-US. This Sungrow model has bidirectional power conversion system so that energy can be brought in off the distribution line as AC current and turned into DC current to be stored in the batteries then be discharged from the batteries as DC current and turned into AC current to go back into the distribution line. The inverter has a forced-air cooling system built in.

The Inverter has a sound rating of 80 Decibels (dB) at a distance of 1 meter. In a free field setting, where the sound is not bouncing off



obstructions back towards the sound source, the sound level will decrease by 6 dB every time the distance from the sound source doubles. If the sound level at 1 meter is 80 dB then the at 2 meters the sound level would be 74 dB, at 4 meters the sound level would be 68 dB and so on. At a distance of 16 meters (about 53 feet) the sound level would be around 55 decibels.

Common outdoor sound pressure levels can vary significantly. It is common that day to night sound levels may vary a range of 50 dB in different areas. Outdoors in a wilderness sound levels may occur as low as 35-40 dB where in urban areas it could be 85-90 dB. In most cases urban dwellers live in areas with sound pressure levels more than 48 dB.

	Rural, no nearby traffic of concern	42
Night-time	Suburban, no nearby traffic of concern	47
	Urban, no nearby traffic of concern	52
	Business or commercial area	57
Daytime	Business or commercial area	62
	Industrial or manufacturing area	67
	Within 300 ft (91 m) of continuous heavy traffic	72

On an ESS site the inverters will not be in a free field setting, the inverters will be behind a fence, next to other equipment and will be screened with a natural buffer and/or plantings. Each of these obstructions will reduce the decibel level that is present at the distances stated above from the sound source.



System Type	SCI200UD-US	SC1375UD+US	SC1575UD-US	SC172SUD-US	the second se		
DC sube							
Mail DC voltage			1500 V				
An DC voltage	700 ¥	800 V	95 V	1000 V			CCC
XI voltage Moge	200 - BIOV	800 - 800 V	915-1800-V	1000 HOOV			
fax DC namero			1925 A.		a dan Shikara wa m		
is of DC inputs			1		CERTIFICATE	OF COMPLIANCE	
C sets [Gen]							-
C output priver				/ 1001010月11日 1007日人内がためてあり	Certificate Number:	SGSNA20GZ00180	SGS
Max AC output current	sand her tig ( at ) and ( )		5 TC (117 T) / 114/ 1 (D)	and the second	Contract Number: Certificate Project Number:	600504 0Z-CERT201207412	C US
Iominal AC withow	480 V	MOV	630 V	EDOV			-
C softage runge	472 528 V	484 EOS V	SAL BALV	KUY TSUV	Certified Product: Trademarks:	Energy Storage Converter SUNOROW	
larrinal grid frequency / Grid frequency cange	1407 - 240 K	otio citiz e	Source and y	1977 628.4	Model(s):	SC1725UD-US, SC1575UD-US, SC	1375UD-US, SC1200UD-US
samonic (THD)			<ul> <li>3. So for praymal posses</li> </ul>	and the second se	Technical Data:	Goftware Version: MDSP_AMBER_I	B_V11_V1_A: SDSP_AMBER_B_V11_V1_A:
formaria: (1960) Iolian factor at norminal power / Adjustable power factor				and the second se	a second second	-35°C to 60 °C (=45°C derating). Typ SC1725UD-US: AC side (On-Orid a	pe 3R, transformentess, nd Off-Grids 690V(607-756V)
dustable reactive power (ange			contributing (lease	rg		1443A/1726EVA@45*C, 3~ 60Hz (	(59.8Hz-00.5Hz), PF>0.99 (-1-1 adjustable)
eduitative reactive power range			10.0 8 - 600 %			Battery side: 1000Vdc-1500Vdc, 17/ SC1575UD-US: AC side (On-Orid a	60Amax@45 *C;
			3/3			1443A/157EKVA@45*C, 3-, 60Hz (	(59.8Hz-60 5Hz), PF>0.09 (-1-1 adjustable),
kil pare (Off-Grad)	49017	165V	EN N	6.00 V		Battery side: 915Vdc-1500Vdc, 170	GAmax@46 *C;
Network AC Velocitie			630 V	1201		SC1375UD-US AC side (On-Ond a 1443A/1375EVAEM5 *C, 3~ 60Hz (	nd Off-Ond): 550V(404V~505V). (59.8Hz-60.5Hz), PF>0.90 (-1-1 adjustable).
C voltage range	472 528 V	=54, 605 V	584 - 1983 V	407 - 759 V		Battery side 800Vde-1500Vde, 1760	0Amaxill45 *C;
C voltage distortion			< 1% [Linux limit			SC1200UD-US_AC side (On-Grid a 1443A/1200EVAIR45 SC_3- 05He	nd Dff-Grid): 480V(422V-528V). (59.8Hz-60.5Hz): PF>0.09 (-1-1 adjustable).
C voltage component		* 61	o to city (Linear Ballenia)	hard		Battery side: 700vde-1500Vde, 1700	DAmax@45 *C
Inbanesce laad cupacity			100.%		A second and the second		
forminal Voltage Frequency / Voltage Frequency range			943 FM 7 VII - 101 111		Certificate Holder:	Sungrow Power Supply Co., Ltd.	
Westerrey						230088, Anhui China	nology industrial Development Zone, Hefei,
tax efficiency/ CEC efficiency			101115-1101-0.16		and the second second		
tphachige,					This contribute superceases are visual contrib	rates haved with the same parentized number. Canative	aton is used when products are mancated on the 505 attributy of
Cinput protection			Logit kinsk somdy klas	4	The second s	I THE GIR COME SHEWS. THE product is caroling according with 3, and in accordance with:	a count and lith' formuly substants.
C subput protection			Crown breaker		UL 1741, 2nd Ed., Rev. Febr CSA C22.2 NO. 107, 1-16	wary 15th, 2018	
urge protection			IX lype I/AC lype I		UL 1741 Supplement SA, 20	10 Ed.2 Rev Feb. 15, 2018	
ind monitoring / Ground Yeals monitoring			Vest/Vest		Compliance with UL 1741, inc	cludes applicable requirements of IEEE	E1547-2003 (R2008). CPUC Rule 21 (Effective
wulation monitoring			Yes		on Jul 30, 2017). SRD-UL-1741-SA-V1.1 (Issu	ad on Sectorsher 26 2017)	
Werhead protections			Vec			and an amplement are and its	
aming Data					Authorized by:	1.1.1	Effective date: 30 December 2020
Interditions (WPHTC)		1080*24	e*25*mm 625*9	45/*553*	Jason "	Ri	
Veright			8500 kg 3907 lbs		Jason		
opelogy			Invidumenteus		Jason Wei		
Segree of protection		NEMA 4X	(Flectronic) / NEMA 3	(Others)	Certfier		
perading amblent temperature runge		-MIDTOY 1-45.7	deniling) -311n 140	T (> ILI T denting)			
lowable relative humidity tange			0.100%	and the second s			
oding method		Tetriperat	ure controlled forced	ar cooling	CC.	SSC	
fax. operating altitude			m deratings 1503 B p		JU	DOLLAR MAN	
ing any			LED WEE HMI				
dias amittion			< 00 d6 drhm				
ommunication			RIGHT, CAN Ethernet		Non-cardware & security for company artist for	former limiters to Cortification Body	TURCHENDER TO THE OWNER
ompliance	1	17/41 ULT/415A BEE		H. CSA.C27.2 No.107/1-01	The particular is small by the paragraph of the interparts in the second is a second of the interparts in the second is the beneficient of and in the least free of the same second second second second interparts of the second second second second second interparts of the second second second second second in the least second of the second secon	the last stre	
Independent				report and prever name	In the france was more marked when have	Antonio of the second of Consumer and Resail Devic	tests a division of 201 North America Inc.
(The second s			Votaco, Voltavar, Fra		the falled action of the law	E. 41 TTO 275 1601 41	Dis 400, Dourstee, DA MILLA, MAA

#### 4.3 TRANSFORMER (XFMR)

A transformer is designed to convert alternating current from one voltage to another. It can "step up" or "step down" voltages. The transformer consists of two magnetically coupled coils. Alternating current in one coil creates a changing magnetic field which induces a current in the second coil. When taking energy from the distribution line, the energy from the line will come into the transformer as medium voltage and be stepped down to a lower voltage that is acceptable for the inverters to operate. When discharging energy back into the distribution line the energy will go through the transformer as a lower voltage and be stepped up to match the voltage on the distribution line.





#### 4.4 BATTERY CONTAINER

The ESS container is where the storage of energy takes place. Bringing energy from the distribution line through the necessary relay settings, clock settings, Recloser settings, inverters and transformers gets us to charging the batteries.

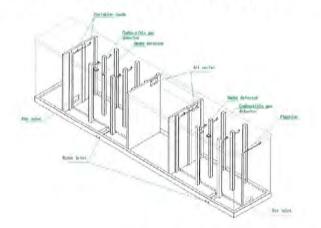
The ESS containers are white in color and placed on concrete slabs that extend a minimum of 6 inches past the edges of the container. The dimensions of the ESS container are 30.6ft x 8.27ft x 5.67ft (WxHxD). The ESS container weighs approximately 57.320 lbs. and comes as a fully assembled unit with the battery cells installed from the manufacturer.



Al car canadances	ergenoute ten
- Warmy data	
kine type	1/2
IDAMINY-BADARIN/ IBIOL)	202400
Buttery vortage tange	1100 - 1190 V
B-AMARINE LEWIS	
Conversions of sectory and set 100 114 121	55401213011135/server
Weight of Barriery said	26,000 mg
Universe of anotheritory	ATT CONTRACTOR AND A
Operating technologies comprised	to be to the to the second state of the
Relative Running	10 + 0 m in Jacob Australia Australia
Max minibing lifesting	kocom
Cooling minute of battery intermole	isouth nonline
Kile Selery Inansard/Optional	Disspiration from Standard, Paged and the base is a second to blank any ment
A CONTRACTOR OF A CONTRACTOR O	production and the minister Elicit (provide provide
Commandation interfaces	PS-407, PThereset
Current and an annually	Modified KYD, Meaning Title
Compliance	ULIMACIO INACA/NEW HIL
2 HE OLD A MALENTICH WOTTOUT CROSSED BAY 455	
AND ANNICOACTV IIIIII	TUDDIAWD DC/30 315kWD AC
VI2BIUK DUATINY	a construction of the second sec
PLS PROMP	SCIENCE MARK
a schemen and a solution of a resolution operation	
BIOL NAMED CARD LY MINING.	32.0%#WN/7%Geewyh1
1922th Ux Quantum	
DCI Imidal	SCI02040-MV-MD
Confl Configuration Data	and an
Max WHO of classer	(11) in period answer
DC component	+ 0.5 PL LAN PERMITARI DESIGNIT
Persona / Augusta	- CONTRACTOR AND AND
Adjustable press Notos	10 Institute - 10 Ingoins
Annound god Farmency	(5) 10
Cond Manual and Conder	75.4 85.848
Number	di si
Walchildor need assess	Anna kuk
LVMM Vilkaur	diske/ subject
Transformation day tame	(Subarra ) Sub high or go has the county
Cithaur	failthantial and difficult former) and compositive biological providences
and the second sec	second and have been and any conditioned and the second second

#### 4.5 FIRE PROTECTION SYSTEM

The ESS container has a standard equipped fire protection system, please refer to the Emergency Response Plan provided in this submission package for more detailed information regarding the fire protection. Within the container are smoke and heat sensors that are part of the fire protection system.



There is a fire protection system installed on all ESS sites includes dry pipes plumbed to the ESS container. These dry pipes get individually plumbed from each ESS container and continue underground to outside of the project fence line where they will be labeled, correlating



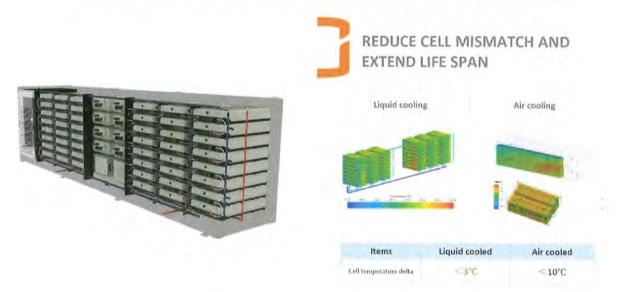
them to each individual container. The pipes outside the fence will have a pipe connection that the fire department can attach a water line on in order to flood a specific container if it happens to enter a thermal runaway.

There are both visual and audible alarms on each ESS container. There is a control panel on the outside of the ESS container that has status lights for the system.



#### 4.6 Liquid Cooling

The ESS container and battery modules is liquid cooled. The container is plumbed with piping to each battery module. The liquid that is being used as a coolant/ heat transfer medium is Sinopec. The liquid is made up of Water, Ethylene Glycol and an additive. The fluid will go through a compressor that brings the coolant back down to an operating temperature to then cycle back through the modules. Each battery module is equipped with a solenoid that will determine if the battery module needs more cooling or not. This increases the efficiency of the system and keeps a more consistent operating temperature.





#### 4.7 BATTERY RACKING

The batteries are held within the ESS container on a racking system, a Sungrow model E4L-R231. Through the racking system the batteries are hooked up to a monitoring system that monitors each battery module and each battery rack with heat sensors that monitor battery temperature. Each rack holds 15 battery modules and one (1) battery monitoring system.

NO.	Item	Specification
1	Image (reference)	
2	Model	E4L-R231
3	Charging & discharging rate	≤0.5C
4	Cell type	LFP 302Ah
5 Configuration		1P240S
6	Key component	PACK*15+SG*1
7	Capacity	302Ah
8	Nominal energy	231.9kWh
9	Charging & discharging power	≤112.8kW
10	Nominal voltage	768.0V
11	Operating voltage range	648.0V~876.0V
12	Dimensions (W*H*D)	1080mm×2000mm×800mm

#### 4.8 LITHIUM-ION BATTERY



A Lithium-Ion Battery is a type of rechargeable battery most commonly used for portable electronics, tools and electric vehicles. Li-ion batteries do not require scheduled cycling to maintain their battery life. The Lithium-ion batteries being used in the ESS is a Sungrow E4L-M154 battery module. The battery is a Lithium iron phosphate (LFP) cell battery which have excellent safety, long lifecycle and are very durable.

NO.	Item	Specification
1	lmage (reference)	
2	Model	E4L-M154
3	Charging & discharging rate	≤0.5C
4	Cell type	LFP 302Ah
5	Configuration	1P16S
6	Capacity	302Ah
7	Nominal energy	15.4kWh
8	Charging & discharging power	≤7.5kW
9	Nominal voltage	51.2V
10	Operating voltage range	43.2V~58.4V
11	Dimensions (W*H*D)	410mm×230mm×760mm
12	Weight	105kg

# **DECOMMISSIONING PLAN**

# ZPB-38 Energy Storage System Map 26B, Lot A1 4.948 MWAC

1355 Main Street Leicester, MA 01524

September 20, 2021

ZPBattery DevCo LLC 10 E Worcester St, Suite 3A, Worcester MA 01604

#### BACKGROUND

ZPBattery DevCo LLC ("ZPB") has prepared this Decommissioning Plan (the "Plan") for the Energy Storage System (the "System") located off 1355 Main Street, Leicester, MA 01524. The System will consist of a 4.948 MWac Energy Storage System located on approximately a third of acre of land owned by WR Enterprise.

The purpose of this Decommissioning Plan is to provide the general scope of decommissioning work as well as for a decommissioning assurance mechanism designed to satisfy the decommissioning assurance requirements under the Special Permit.

#### System Description:

The System will consist of a 4.948 MWac capacity energy storing operation secured within a chain-link fence surrounding the pad mounted equipment and accessed via Main Street. The System will include the following site features:

- Utility owned equipment:
  - o One (1) Utility Pole
  - o One (1) GOAB
  - o One (1) Recloser
  - o One (1) Transformer
  - o Two (2) Meters
- ZPB Owned Equipment
  - o One (1) GOAB
  - o One (1) Recloser
  - o One (1) Meter
  - o One (1) Transformer
  - One (1) Neutral Ground Reactor
  - o One (1) Controller
  - Four (2) Inverters
  - Five (8) Energy Storage Containers
- Seven (7)-foot chain-link security fence
- Underground conduit and wires

#### **DECOMMISSIONING ACTIVITIES**

The System will be decommissioned by completing the following major steps:

- Dismantlement and Demolition
- Disposal or Recycle
- Site Stabilization

#### Dismantlement, Demolition, and Disposal or Recycle:

A significant amount of the components of the System will include recyclable or re-saleable components, including copper, aluminum, galvanized steel, and batteries. Due to their resale monetary value, these components will be dismantled and disassembled rather than being demolished and disposed of.

Following coordination with the local utility company regarding timing and required procedures for disconnecting the System from the private utility, all electrical connections to the system will be disconnected and all connections will be tested locally to confirm that no electric current is running through them before proceeding. All electrical connections to the batteries will be cut at the panel and then removed from their framework by cutting or dismantling the connections to the supports. Batteries will be removed. Disposal of these materials at a recycling center will be permissible.

Finally, all associated structures will be demolished and removed from the site for recycling or disposal as required in the bylaws for Southbridge. This will include the site fence and gates, which will likely be reclaimed or recycled. Grade slabs will be broken and removed to a depth of one foot below grade, and clean concrete will be crushed and disposed of off-site or recycled (reused either on- or off-site). Sanitary facilities will be provided on-site for the workers conducting the decommissioning of the System.

Pad mounted interconnection equipment owned by the System will be completely removed and disposed of off-site in accordance with utility best practices. Overhead wires will be removed from the and terminated at the utility-owned point of common coupling.

A final site walkthrough will be conducted to remove debris and/or trash generated within the site during the decommissioning process, and will include removal and proper disposal of any debris that may have been wind-blown to areas outside the immediate footprint of the System being removed.

#### Site Stabilization:

The areas of the System that are disturbed (during decommissioning) will be re-graded to establish a uniform slope, stabilized as needed, and approved by the Building Inspector/Planning Board during the decommissioning process. The gravel access driveway from Main Street, including the portion within the perimeter fence, will remain intact and shall not be removed until site is fully stabilized.

#### **Current Permitting Requirements for Decommissioning**

Given the size and location of the System, several approvals are required prior to initiation of grounddisturbing activity. ZPB has provided a summary of the expected approvals if the decommissioning were to take place in September 2021. Noting, however, that because the decommissioning is expected to occur at a later date, the permitting requirements listed below will be reviewed and updated based on current local, state, and federal regulations at the time.

#### National Pollutant Discharge Elimination System (NPDES) General Permit for Discharges from Construction Activity

 U.S. Environmental Protection Agency - Ground disturbance of greater than 1 acre with discharge to wetlands or water bodies. Requires preparation of a storm Water Pollution Prevention Plan, including erosion and sedimentation controls.

#### Site Plan Approval

 Town of Leicester Planning Board - Anticipated decommissioning requirements listed in the Site Plan Approval conditions of approval.

#### **Building Permit**

 A building permit is required to construct the System. A building permit must also be obtained for any construction, alteration, repair, demolition, or change to the use or occupancy of a building.

#### Permitting Requirement Assumptions:

- 1. The access driveway will remain in place throughout the System until site is fully stabilized.
- No ground disturbance, including temporary laydown areas, is required within areas subject to the Massachusetts Wetlands Protection Act.

#### Schedule

The decommissioning process is estimated to take approximately 3-6 weeks and is intended to occur outside of the winter season.

#### **Decommissioning Cost**

ZPB has estimated the decommissioning and land remediation costs. **Exhibit A** attached hereto shows the detail of ZPB's estimates of the foregoing costs.

#### DECOMMISSIONING ASSURANCE

#### Form of Decommissioning Assurance

During each year from the period of commencement of construction of the System through completion of decommissioning activities at the System, ZPB shall provide a performance guarantee in a form reasonably accepted by the Town of Leicester.

#### Amount of Decommissioning Assurance

The initial amounts of the decommissioning assurance shall be **\$86,653**. Please note that this amount is derived from estimates of the cost set forth in **Exhibit A**.

As of each five-year anniversary of the commercial operation date of the System, the decommission assurance shall be updated to reflect 110% of an updated reasonable estimate of decommissioning costs (net of salvage value). At least three (3) months prior to the five-year anniversary, ZPB shall provide an updated estimate of decommissioning costs to the Town of Leicester for its review and approval, not to be unreasonably withheld. (For avoidance of doubt, in disapproving an updated estimate of decommissioning costs, the Town of Leicester may reasonably require that an updated estimate be provided.) In connection with an update of the decommissioning assurance amount, ZPB shall provide the Town of Leicester with such supporting information as it reasonably requests.

#### USE OF DECOMMISSIONING ASSURANCE

In the event that ZPB fails to undertake decommissioning activities within one year of discontinued operations, the Town of Leicester shall have the right to undertake decommissioning activities and make a claim against the decommissioning assurance. ZPB agrees that in such circumstances that the Town of Leicester shall have such access to the site as may be necessary to allow its qualified contractors to conduct decommissioning activities. For purposes hereof, ZPB and the Town of Leicester agree that the "date of discontinued operations" shall be (i) the date of discontinued operations designed by ZPB in its notice to the Town of Leicester or (ii) in absence of such notice, the last day of a continuous period of nine (9) months in which the System has not operated and where such inactivity is not the result of a casualty, equipment problem, permitting matter, financial matter or other issue that ZPB or the owner/operator is in good faith attempting to remedy.

ZPB agrees to indemnify and hold the Town of Leicester harmless from and against all net loss, cost and expenses, including court costs and reasonable attorney's fees, related to and arising out of the Town of Leicester's decommissioning activities, except to the extent such loss, cost or expenses relate to or arise out of the negligence, willful misconduct or violation of the law by the Town of Leicester, its officials, employees, contractors or agents.

Submitted by:

**ZPBattery DevCo LLC** 

By: \_\_\_\_\_

Name: Brendan Gove

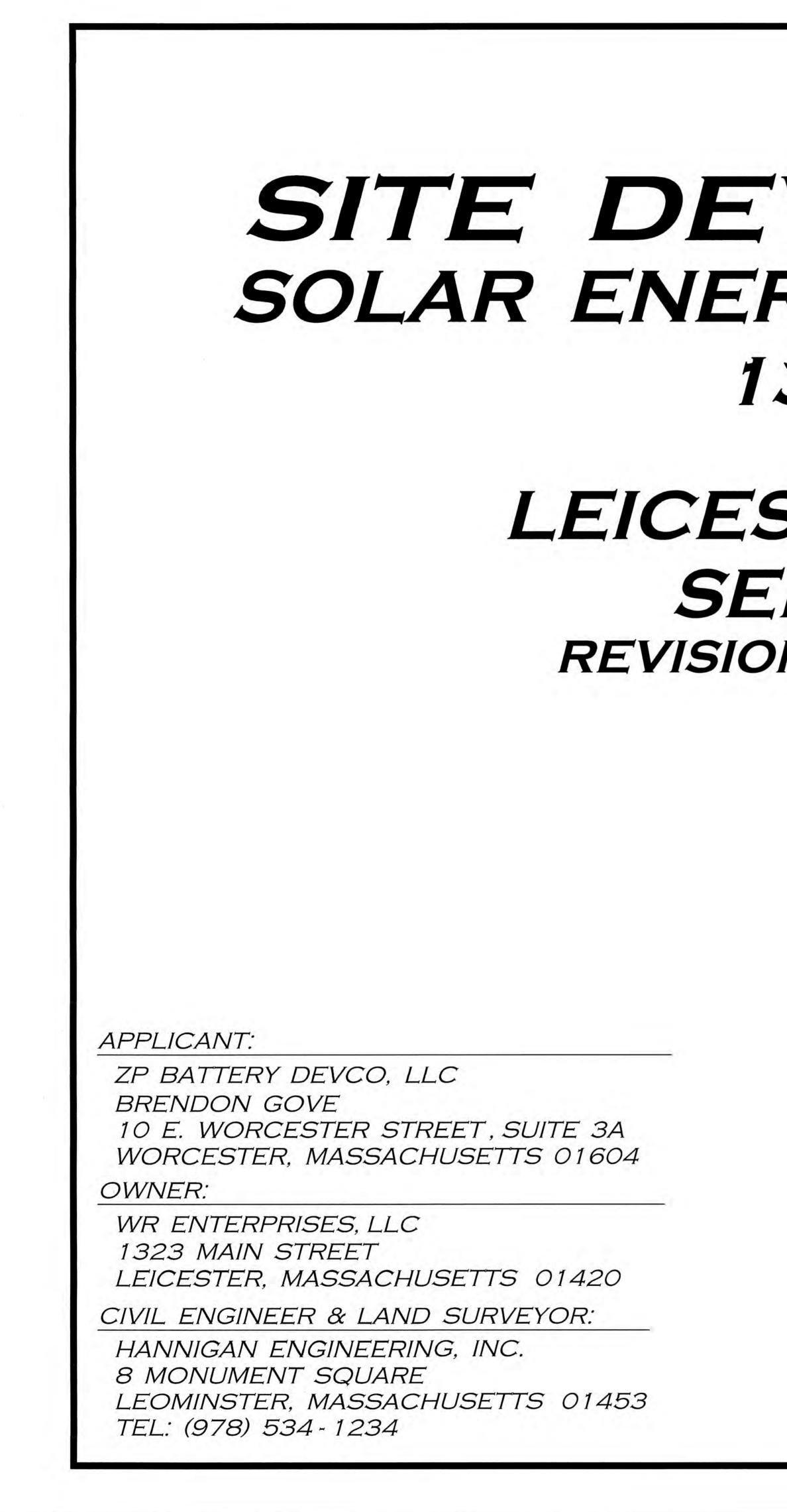
**Title: Authorized Person** 

#### ACKNOWLEDGEMENT AND APPROVAL

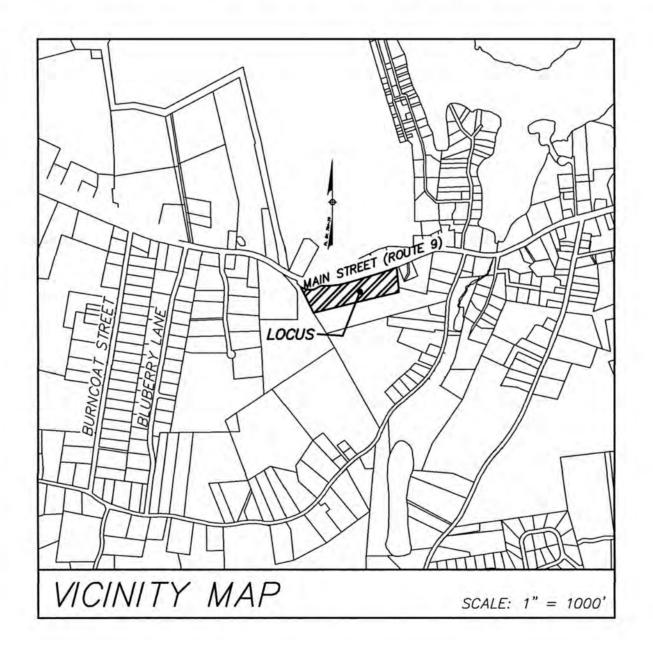
The Town of Leicester Planning Board hereby acknowledges receipt of this Decommissioning Plan and affirms that the Decommissioning Plan (assuming establishment of the escrow fund in the amount provided for above) satisfies the conditions of the Site Plan Approval relevant thereto.

**Town of Leicester Planning Board** 

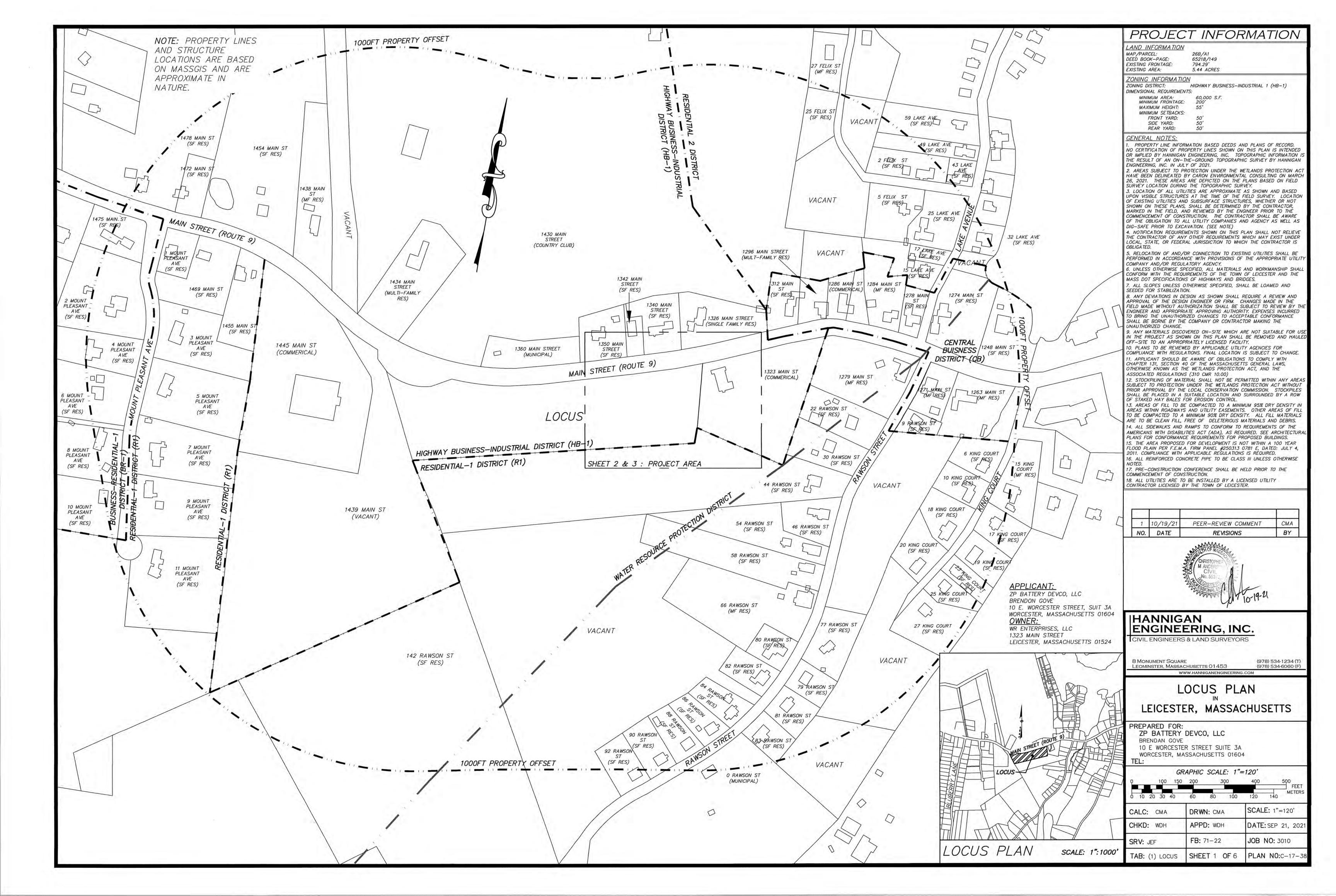
	Date:	, 202
Name:		

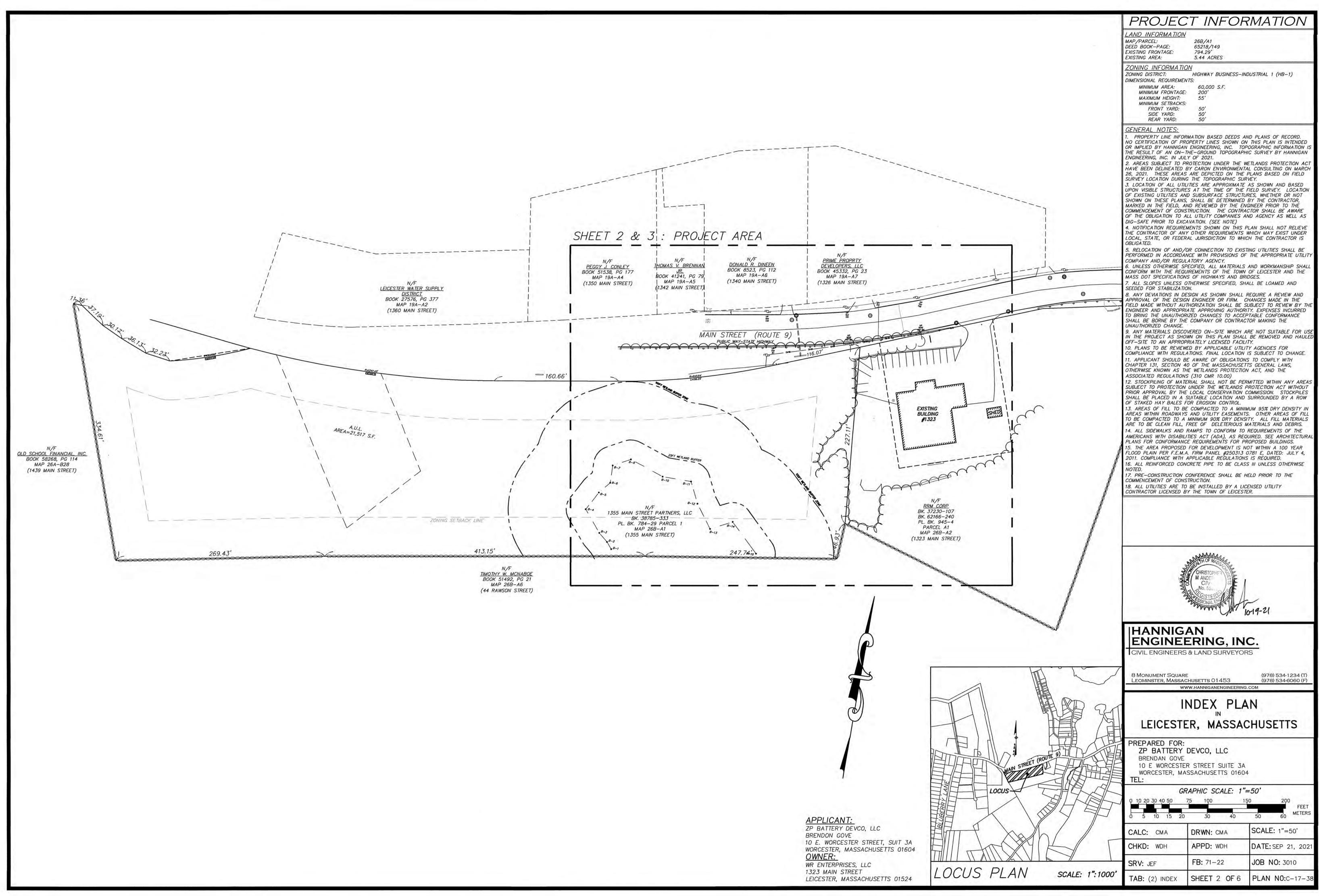


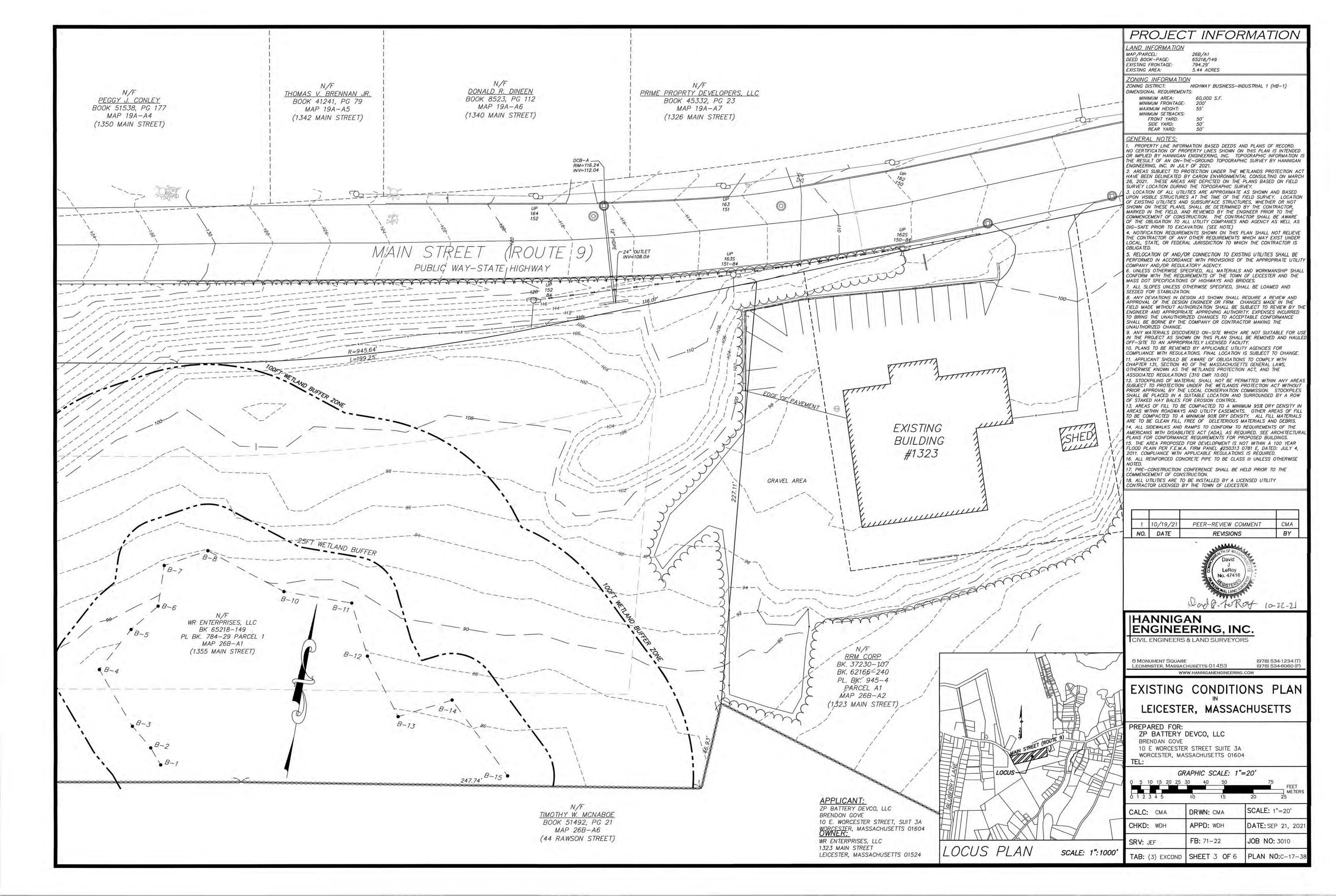
# SITE DEVELOPMENT PLAN SOLAR ENERGY STORAGE SYSTEM (ESS) 1355 MAIN STREET IN LEICESTER, MASSACHUSETTS SEPTEMBER 21, 2021 **REVISIONS THROUGH OCTOBER 19, 2021**

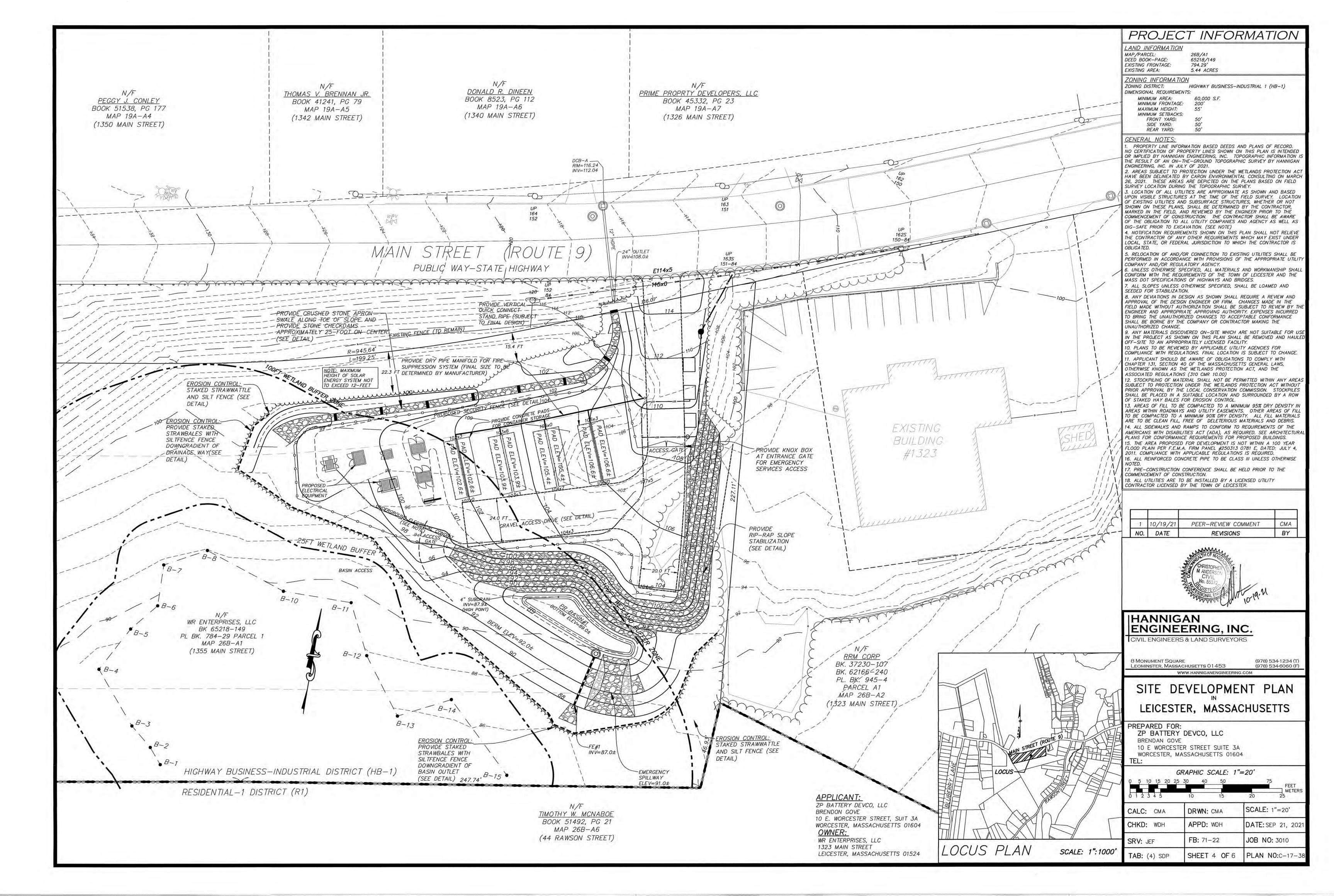


SHEET	1	LOCUS PLAN
SHEET	2	INDEX PLAN
SHEET	3	EXISTING CONDITIONS PLAN
SHEET	4	SITE DEVELOPMENT PLAN
SHEETS	5-6	CONSTRUCTION DETAILS









### EROSION & SEDIMENTATION CONTROL PLAN GENERAL:

. THE PURPOSE OF THIS PLAN IS TO PRESENT A PREVENTIVE METHOD OF CONSTRUCTION TO MINIMIZE THE IMPACT OF THE CONSTRUCTION ACTIVITIES UPON WETLAND AND OTHER SENSITIVE AREAS. THE DATA CONTAINED ON THIS PLAN IS INTENDED TO SUPPLEMENT THE DEVELOPER OR CONTRACTORS' EXPERTISE AND IS NOT MEANT TO CIRCUMVENT LOGICAL DECISIONS REQUIRED BY A VARIETY OF FIELD CONDITIONS NCLUDING WEATHER AND THE TYPE OF EQUIPMENT AVAILABLE TO THE CONTRACTOR.

THE CONTRACTOR IS TO BE AWARE OF THE REQUIREMENTS AND OBLIGATIONS TO COMPLY WITH CHAPTER 131, SECTION 40 OF THE MASSACHUSETTS GENERAL LAWS, OTHERWISE KNOWN AS THE WETLANDS PROTECTION ACT, AND ITS ASSOCIATED REGULATIONS (310 CMR 10.00). CERTAIN PERMITS IN THE FORM OF AN ORDER OF CONDITIONS, OR OTHER FORMAT, MAY BE REQUIRED FOR THE CONSTRUCTION AS DEPICTED ON THIS PLAN. THESE PERMITS SHALL BE REVIEWED AND ADHERED TO BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION PROCESS. THE CONTRACTOR SHALL ALSO MAINTAIN COPIES OF ALL PERMITS ON SITE AT ALL TIMES.

3. IF CHANGES IN THE PROJECT ARE REQUIRED DUE TO FIELD CONDITIONS THE DEVELOPER/CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER FOR REVIEW OF THESE CONDITIONS. UPON REVIEW, AND PRIOR O THE IMPLEMENTATION OF ANY CHANGE, THE CONTRACTOR AND THE ENGINEER SHALL MEET WITH THE APPROPRIATE LOCAL AND/OR STATE OFFICIAL, OR ITS AGENT, TO DETERMINE IF THE CHANGE REQUIRES MODIFICATION TO EXISTING APPROVED PERMITS.

ALTERATION AND/OR DESTRUCTION OF WETLAND AREAS WITHOUT PRIOR CONSENT OF THE CONSERVATION COMMISSION IS PROHIBITED. SILTATION PLUMES, ILLICIT DISCHARGES, OR INADVERTANT ALTERATION SHALL BE CONSIDERED AS ACTIVITIES NOT PERMITTED BY THE ORDER AND SHALL BE REPORTED TO THE CONSERVATION COMMISSION ALONG WITH THE PROPOSED MITIGATIVE MEASURES.

PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE EROSION AND SEDIMENT CONTROL BARRIER SHALL BE INSTALLED AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN THE EROSION CONTROL BARRIER UNTIL ALL WORK IS COMPLETE AND ALL AREAS HAVE BEEN STABILIZED. THE REMOVAL OF SEDIMENT CONTROL DEVICES SHALL BE ONLY UPON THE APPROVAL OF THE CONSERVATION COMMISSION.

6. EROSION AND SEDIMENTATION CONTROL DEVICES, SUCH AS CHECK DAMS, SEDIMENT BASINS, ETC. ARE TO BE INSTALLED AS SHOWN ON THE SITE DEVELOPMENT PLANS WITH ASSOCIATED DETAILS, AS APPROPRIATE.

CONSTRUCTION OPERATIONS SHALL NOT CAUSE NOTICEABLE SEDIMENTATION PLUMES TO OCCUR ON OR SURROUNDING THE PROJECT. SHOULD SEDIMENT EXTEND BEYOND THE EROSION CONTROL BARRIERS, HE CONTRACTOR SHALL STOP WORK AND INSTALL ADDITIONAL MITIGATION MEASURES TO PREVENT FURTHER SEDIMENTATION.

R. NO MATERIAL SUBJECT TO EROSION SHALL BE STOCKPILED OVERNIGHT WITHIN 100 FEET OF ANY WETLAND AREAS WITHOUT PROPER EROSION AND SEDIMENTATION DEVICES IN PLACE.

D. EQUIPMENT SHALL NOT BE PARKED WITHIN WETLAND OR BUFFER

AREAS EXCEPT DURING ACTUAL OPERATIONS REQUIRING SAID EQUIPMENT. D. ACCUMULATED SEDIMENT ALONG EROSION CONTROL BARRIERS SHALL BE PERIODICALLY REMOVED AND DISPOSED OF BY THE CONTRACTOR AS REQUIRED BY THE CONSERVATION COMMISSION OR AS DIRECTED BY THE ENGINEER.

#### EROSION CONTROL METHODS:

. IT IS OF GREAT IMPORTANCE THAT CONCENTRATION OF RUNOFF BE AVOIDED IN ORDER TO PREVENT THE TRANSPORT OF SEDIMENT. THE PRIMARY EROSION CONTROL METHOD TO BE UTILIZED IS TO LIMIT

THE AREA OF DISTURBANCE DURING CONSTRUCTION ACTIVITIES. THIS IS ACCOMPLISHED BY PROMPT STABILIZATION OF DISTURBED AREAS UPON COMPLETION OF SEQUENCES OF CONSTRUCTION.

. EROSION AND SEDIMENT CONTROL DEVICES SUCH AS HAY BALES, SILT FENCES, DIVERSION BERMS, ETC. SHALL BE UTILIZED FOR THE PROTECTION OF THE AREAS BEYOND THE LIMIT OF CONSTRUCTION.

#### DEMARCATION OF SENSITIVE AREAS:

IT IS RECOMMEND THAT BARRIERS BE PLACED ON THE SITE TO CONTROL THE LIMITS OF THE DISTURBANCE. AS AN EXAMPLE, HAY BALE BARRIERS PROVIDE SUCH DEMARCATION AND OTHER METHODS SUCH AS LOG BARRIERS, ROPE WITH FLAGGING, ETC. MAY BE UTILIZED. CARE SHOULD BE TAKEN IN THE OPERATION OF EQUIPMENT, SUCH HAT ONLY THE MINIMUM AREA NEEDED TO BE ALTERED IS DISTURBED.

#### . ACCESS TO THE SITE SHALL BE MADE IN THE AREA OF A PERMANENT DRIVEWAY OR ROADWAY UNLESS DOING SO WOULD RESULT IN A TRAFFIC HAZARD.

2. AN AREA OF CRUSHED STONE SHALL BE PLACED AT THE DRIVEWAY ENTRANCE TO INSURE THAT MUD IS NOT TRACKED ONTO THE EXISTING ROAD (SEE CONSTRUCTION ENTRANCE DETAIL). IF MUD IS INADVERTENTLY TRACKED ONTO THE ROAD, IT SHOULD BE PROMPTLY REMOVED.

LABORERS VEHICLES SHALL BE PARKED IN A DESIGNATED AREA AS O MINIMIZE DISTURBED SURFACES AND TO INSURE THAT RUTS ARE NOT CREATED AND WHICH COULD CARRY WATER TO A WETLAND OR OTHER SENSITIVE AREA.

. SUITABLE MEASURES SHALL BE TAKEN TO INSURE THAT LARGE DELIVERY TRUCKS SERVICING THE SITE DO NOT DAMAGE TO AREAS OF EXISTING VEGETATION OR CAUSE DISTURBANCE TO STABILIZED AREAS.

#### ORDERLY CONSTRUCTION PROCEDURES:

THE CONTRACTOR SHALL PERFORM SITE CONSTRUCTION IN A MANNER WHICH WILL INSURE THE STABILIZATION OF AREAS IN PROXIMITY OF OR TRIBUTARY TO WETLAND AREAS AS SOON AS POSSIBLE.

EROSION CONTROL DEVICES SUCH AS HAY BALE BARRIERS, SILT FENCES AND MULCH SHALL BE BROUGHT TO THE SITE AND STOCKPILED PRIOR TO INITIATING CONSTRUCTION.

THE CONTRACTOR SHALL PROVIDE AREAS FOR THE TEMPORARY STORAGE OF CONSTRUCTION DEBRIS. CONSTRUCTION DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE FOR AN EXTENDED PERIOD OF TIME.

#### CLEARING:

. LAND CLEARING SHALL BE PERFORMED IN PHASES CONSISTENT WITH ACTUAL CONSTRUCTION REQUIREMENTS. FINAL LAND CLEARING SHALL BE LIMITED TO RETURN TO GRADE SLOPES.

TREES SHALL BE CUT FOR ENTIRE SITE LEAVING SUMPS IN PLACE TO MAINTAIN SOIL STABILIZATION.

3. STUMPS SHALL BE PULLED AND STOCKPILED FOR GRINDING. 4. BRUSH AND BRANCHES SHOULD BE CHIPPED AND UTILIZED FOR WOOD

MULCH IF PRACTICAL VEHICLES UTILIZED IN THE CLEARING OPERATION SHOULD NOT

TRAVERSE WETLANDS OR FLOWING BROOKS OR STREAMS WITHOUT PRIOR APPROVAL FROM THE LOCAL CONSERVATION COMMISSION OR AGENT.



PERIMETER SIGNAGE NO SCALE 12" x 9" SIGNS TO BE PLACED ALONG FENCELINE AT 50 FT INTERVALS

#### ROUGH GRADING:

. THE ROUGH GRADING OF THE SITE SHALL FOLLOW THE FILL AND EXCAVATION SEQUENCES AS DESCRIBED ON THE CONSTRUCTION PHASING PLANS. SLOPES SHALL BE MAINTAINED AWAY FROM WETLANDS AND SENSITIVE AREAS AS MUCH IS PRACTICAL.

EROSION CONTROL BARRIERS SHOULD BE KEPT IN PROXIMITY TO THE WORK AREA TO ALLOW QUICK ACTION SHOULD EROSION BECOME AN ISSUE AND TO INSURE THAT NO SEDIMENT REACHES WETLANDS OR OTHER SENSITIVE AREAS.

TOWARD WETLAND AREAS, DIVERSION TRENCHES AND/OR SWALES SHOULD BE CONSIDERED AND IMPLEMENTED TO DIVERT WATER AWAY FROM THESE AREAS.

DISTURBED AREAS SHALL BE STABILIZED BY LOAMING AND SEEDING OR RIPRAPPED IMMEDIATELY AFTER THE FINISH GRADE HAS BEEN MET. IF FINAL GRADING DOES NOT OCCUR DURING THE GROWING SEASON, THESE AREAS SHALL BE MULCHED WITH HAY WITH A TACKIFIER, IF NECESSARY SLOPED AREAS MAY REQUIRE ADDITIONAL CONTROLS SUCH

6. A GROUND COVER SUFFICIENT TO RETAIN SOILS IN A STABILIZED CONDITION MUST BE PROVIDED WITHIN 14 WORKING DAYS, SEASON PERMITTING. ON ANY PORTION OF THE TRACT UPON WHICH FURTHER ACTIVE CONSTRUCTION IS NOT BEING UNDERTAKEN.

1. IF DRAINAGE PIPES OR SWALES ARE TO BE INSTALLED, THEY SHALL BE CONSTRUCTED FROM DOWNSTREAM UP AND CONSTRUCTION SHALL INCLUDE THE PLACEMENT OF OUTFALL RIPRAP AND OTHER MITIGATIVE MEASURES SHOWN ON THE PLAN.

2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, HAY BALES OR OTHER SUITABLE METHODS TO ENTRAP SEDIMENT SHALL BE PLACED DOWNSTREAM.

3. THE TOE OF EMBANKMENTS SHALL BE STABILIZED IMMEDIATELY, MULCHED AND TACKED DOWN BY SUITABLE MEANS.

#### CREATION OF DETENTION BASIN:

EMPHASIZE THE IMPORTANCE OF EROSION CONTROL DURING ITS CONSTRUCTION.

AS WELL AS FOR THE SITE IS THE RAPID STABILIZATION OF ALL SURFACES. SECONDARY IN IMPORTANCE IS THE CONCENTRATION OF RUNOFF BE AVOIDED IN ORDER TO PREVENT THE TRANSPORT OF SEDIMENT

3. DURING CONSTRUCTION, THE FILL AND EXCAVATION SEQUENCES SHOWN ON THE CONSTRUCTION PHASING PLANS, ALONG WITH THE DETAILS PROVIDED IN THIS PLAN SET SHALL BE UTILIZED. THESE SEQUENCES REQUIRE THAT SLOPED AREAS LEFT FOR ANY PERIOD OF THE NOT SLOPED TOWARDS THE WETLAND OR SENSITIVE AREA, BUT RATHER BACK INTO THE FILL MATERIAL.

STABLE MATERIAL ONLY. HAY BALES SHALL BE PLACED AT THE TOE OF SLOPE UNTIL SURFACES ARE STABILIZED.

BERM IS IN PLACE. 5. CARE SHOULD BE TAKEN TO INSURE THAT ORGANIC MATERIAL

THE STABILIZATION OF DISTURBED AREAS. . IF DEWATERING IS NECESSARY, PUMPING TO A SETTLING BASIN SHALL

OPERATED EFFECTIVELY.

10. ALL MATERIALS STOCKPILED SHALL BE LOCATED, MULCHED OR

11. ANY MATERIALS BLOWN OR CARRIED BY WATER AWAY FROM THE CONSTRUCTION SITE OR INTO THE WETLAND AREAS SHALL BE PROMPTLY REMOVED AS REQUIRED BY THE LOCAL CONSERVATION COMMISSION.

SUBDRAIN DURING CONSTRUCTION TO PREVENT SEDIMENT FROM ENTERING AND CLOGGING THE DRAIN. THE FABRIC SHALL BE REMOVED FOR BASIN PREPARATION FOR FINAL STABILIZATION.

#### GRUBBING AND STRIPPING:

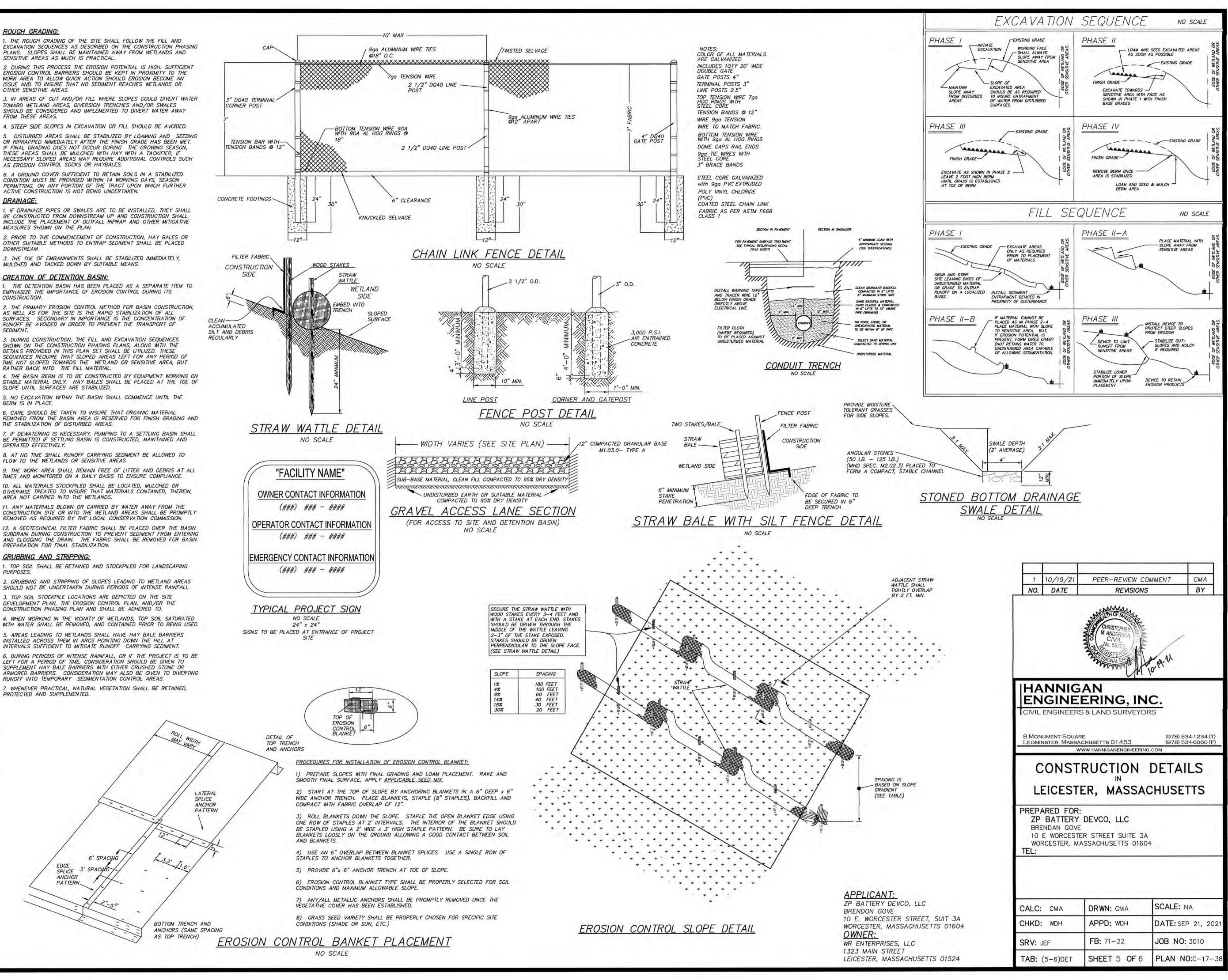
1. TOP SOIL SHALL BE RETAINED AND STOCKPILED FOR LANDSCAPING PURPOSES.

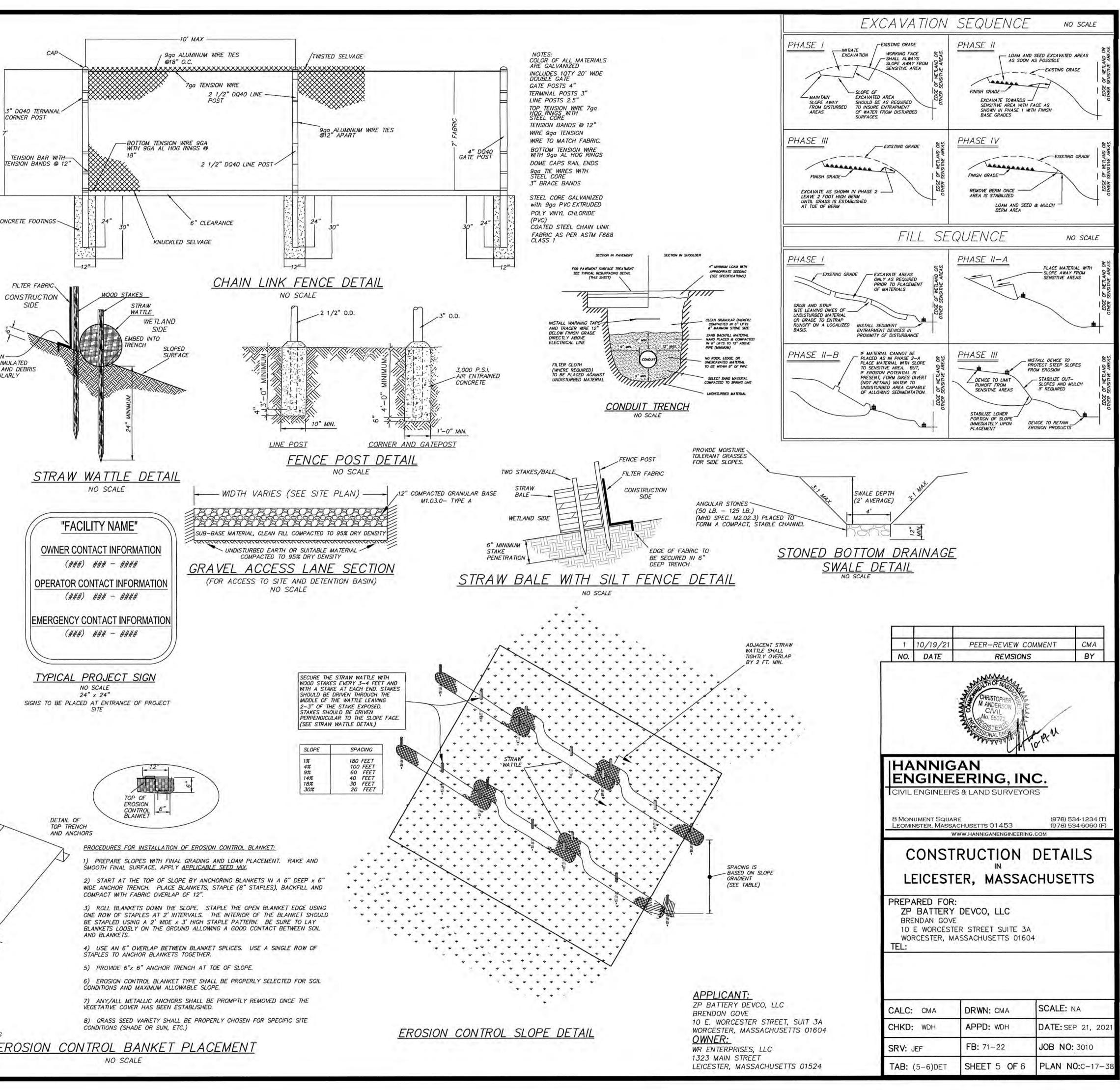
SHOULD NOT BE UNDERTAKEN DURING PERIODS OF INTENSE RAINFALL. 3. TOP SOIL STOCKPILE LOCATIONS ARE DEPICTED ON THE SITE DEVELOPMENT PLAN, THE EROSION CONTROL PLAN, AND/OR THE

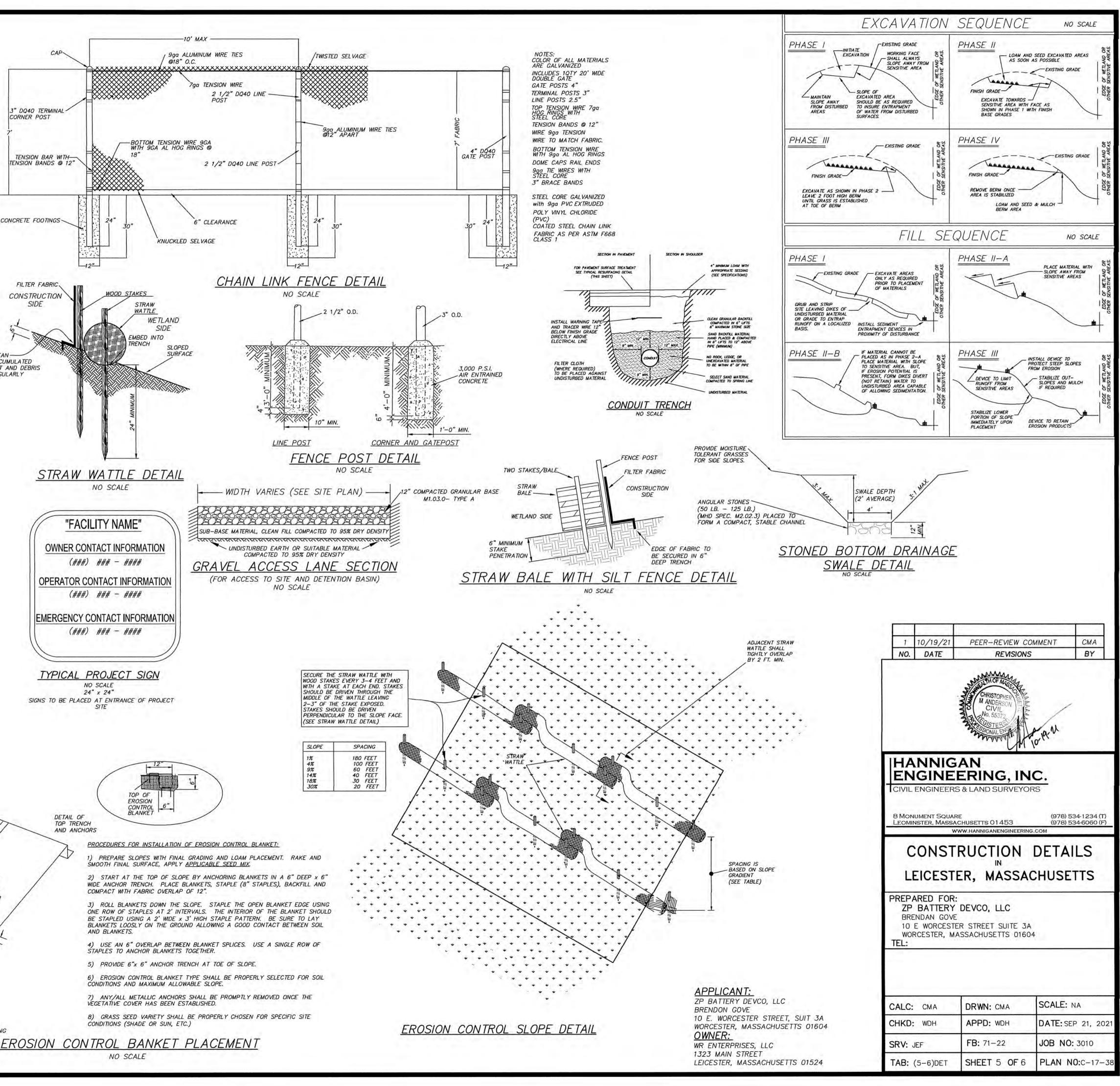
4. WHEN WORKING IN THE VICINITY OF WETLANDS. TOP SOIL SATURATED WITH WATER SHALL BE REMOVED, AND CONTAINED PRIOR TO BEING USED. 5. AREAS LEADING TO WETLANDS SHALL HAVE HAY BALE BARRIERS INSTALLED ACROSS THEM IN ARCS POINTING DOWN THE HILL AT

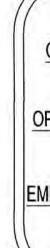
. DURING PERIODS OF INTENSE RAINFALL, OR IF THE PROJECT IS TO BE LEFT FOR A PERIOD OF TIME, CONSIDERATION SHOULD BE GIVEN TO SUPPLEMENT HAY BALE BARRIERS WITH EITHER CRUSHED STONE OR ARMORED BARRIERS. CONSIDERATION MAY ALSO BE GIVEN TO DIVERTING RUNOFF INTO TEMPORARY SEDIMENTATION CONTROL AREAS.

7. WHENEVER PRACTICAL, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED AND SUPPLEMENTED.

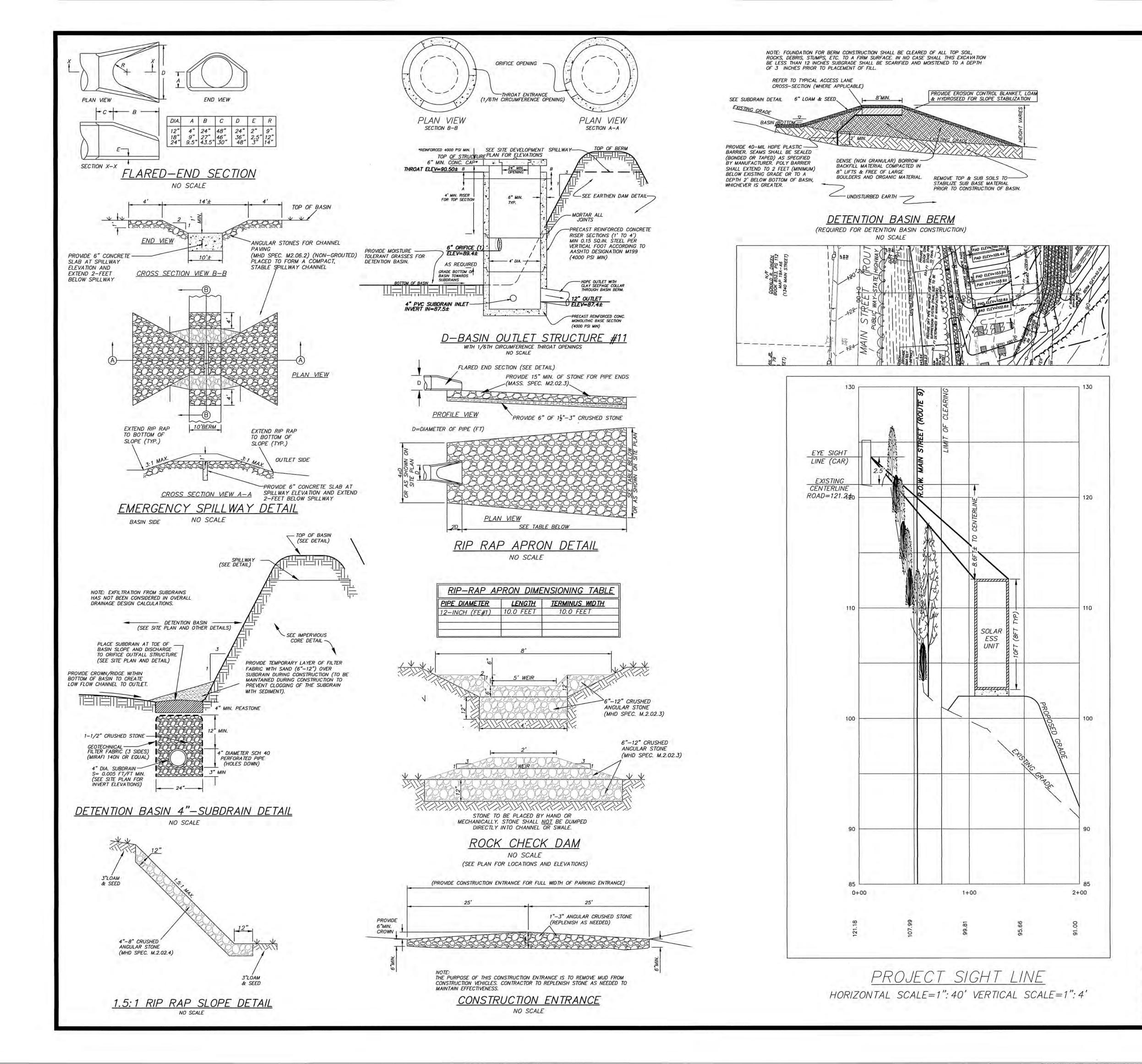












L	SYSTEM OWNERSHI			
	DEVELOPMENT PLANS, INC STRUCTURES OF THE SYS	JDE THE DRAINAGE INFRA CLUDING THE DETENTION STEM SHALL INCLUDE THE	FACILITIES AND OUTFALL AREAS E DRAINAGE SWALES AND THE O	OMPONENTS AS SHOWN ON THE SITE 5 OF THE DRAINAGE SYSTEM. THE DUTFALL & CONTROL STRUCTURES. THE AILS AND THE APPROVED PLANS.
000	SHALL BECOME PROPERT SYSTEM TO MAINTAIN THE	Y OF THE LAND OWNER,	WITH SPECIFIC EASEMENT RIGHT DEPICTED ON THE APPROVED P	ROVE AND AS DEPICTED ON THE SITE PL IS TO THE OPERATOR OF THE SOLAR PLANS. SAID EASEMENT RIGHTS SHALL
	MAINTENANCE OF THE ST AND ALL OF ITS COMPON	SOLAR SYSTEM SHALL BE	SYSTEM. THE SYSTEM SHALL E APPROVED PLANS. THE SYST	PARTY FOR THE OPERATION AND INCLUDE THE DRAINAGE INFRASTRUCTUR TEM SHALL ALSO INCLUDE THE DETENTION
	II. INSPECTION & MAIN			
1		ANCE SCHEDULE SHALL E	BE FOLLOWED IN ORDER TO MAI	NTAIN THE EFFECTIVENESS OF THE
	STRUCTURE TYPE	INSPECTION	MAINTENANCE	TASK
S		TWICE A YEAR TWICE A YEAR MONTHLY (MAY-OCT)	EVERY 10 YEARS EVERY 4 YEARS MONTHLY (MAY-OCT)	REMOVE DEBRIS & ADD STONE REPLACE PEASTONE MOW GRASS AREAS & REMOVE DE REMOVE SEDIMENT IF PRESENT
C	OUTFALL STRUCTURES: SPILLWAYS	TWICE A YEAR	EVERY 10 YEARS	REMOVE DEBRIS & ADD STONE
N	HE OPERATOR OF THE S MAINTENANCE OF THE GR	OLAR SYSTEM SHALL BE ASS & VEGETATION. TH	E VEGETATION SHALL INCLUDE	PARTY FOR THE OPERATION AND ALL OF ITS AREAS AS SHOWN ON THE
	STRUCTURES.	STSTEM SHALL ALSO INC	LODE THE GRASSED AREAS ARE	OUND THE PANELS AND DRAINAGE
	INSPECTION & MAIN	TENANCE SCHEDULE		
1	THE FOLLOWING MAINTEN	ANCE SCHEDULE SHALL E	BE FOLLOWED IN ORDER TO MAIL	NTAIN THE VEGETATED AREAS
	ACTIVITY GRASS CUTTING	MAINTENANCE MONTHLY	TASK GRASS HEIGHT 1	TO BE ALLOWED TO GROW TO A
	00100	WOITTIE!	HEIGHT OF NO M	MORE THAN 18 INCHES AND BE IT OF 4 TO 6 INCHES.
<u></u>		MIX AND APPLICATION R	the second s	LY MAINTAIN VEGETATED AREAS
	SEED TYPE (NATIVE		PPLICATION RATE	% OF MIX
	WILDFLOWER SEED N	MIX 5	TO 10 POUNDS PER ACRE	50%
	WHITE CLOVER SEEL KENTUCKY BLUEGRA		TO 5 POUNDS PER ACRE TO 100 POUNDS PER ACRE	10% 40%
	V. HERBICIDES & PESTICI HERE WILL NO HERBICIDE	IDES ES OR PESTICIDES USED	ON THIS PROJECT.	
-		1011		

	4		
1 NO.	10/19/21 DATE	PEER-REVIEW CO REVISIONS	
		CHRISTOPHER M ANDERSON CIVIL No. 55372 CISTER SSIONAL ENVIL	F10-19-21
EN CIVIL 8 MON	ENGINEERS	ERING, IN	
LI	ARED FOR:	RUCTION	
BRE 10	ENDAN GOVE E WORCESTE	the second se	
CALC:	СМА	DRWN: CMA	SCALE: NA
CHKD:	WDH	APPD: WDH	DATE: SEP 21, 202
SRV:	JEF	<b>FB:</b> 71–22	JOB NO: 3010
TAB:	(5-6) DET	SHEET 6 OF 6	PLAN NO:C-17-3

APPLICANT: ZP BATTERY DEVCO, LLC BRENDON GOVE 10 E. WORCESTER STREET, SUIT 3A WORCESTER, MASSACHUSETTS 01604 OWNER: WR ENTERPRISES, LLC 1323 MAIN STREET LEICESTER, MASSACHUSETTS 01524

## QUINN ENGINEERING, INC.

October 12, 2021

Leicester Planning Board Town of Leicester 3 Washburn Square Leicester, MA 01524-1333

Re: #1355 Main Street Proposed Energy Storage System

To the Board:

This office has received the following information related to the site plan application for the proposed solar energy storage system (ESS) at #1355 Main Street:

- A bound set of documents with cover page addressed to Michelle R. Buck, Town Planner from Hannigan Engineering, Inc. dated September 21, 2021.
- A bound report titled "Drainage Analysis" prepared by Hannigan Engineering, Inc. dated September 21, 2021.
- A bound set of plans titled "Site Development Plan" prepared by Hannigan Engineering, Inc. dated September 21, 2021.

These documents have been reviewed with respect to the Zoning Bylaw, Site Plan Rules and Regulations (SPRR), Parking Regulations, Stormwater Regulations, Landscaping Regulations and for general engineering practice. The submission has not been reviewed for completeness. It should also be noted that review of electrical diagrams and technical information pertaining to electrical comments are outside of this office's expertise. Our comments regarding the submission can be seen below with reference to the applicable regulations.

#### Comments

- 1. No landscaping or plantings are proposed. Hannigan Engineering, Inc. has indicated that they anticipate that the ESS will not be visible from the roadway or from residential properties due to the topography and due to the existing vegetation that will remain. The Applicant should clarify to the Board how the landscaping requirements are met or should request a waiver with justification if the landscaping requirements are not met. (Zoning Bylaw 5.5.02.2, 5.14.6.4, SPRR II.F.6, SPRR II.K.1.c and Landscaping Regulations)
- 2. Driveway slopes in the HB-1 district are limited to 5% under the Zoning Bylaw 5.5.02.1.C.3. The proposed driveway slopes at approximately 7.5% from Main Street. It appears that the proposed 7.5% slope is reasonable given that the driveway is expected to see minimal use and is not open to the public. This office defers to the Board if the 5% slope requirement can be waived by the Board or if a variance is required.

- 3. It is recommended that the Board seek input from the Fire Department regarding the proposed gate access, driveway slope and configuration, dry sprinkler system, etc. (Zoning Bylaw 5.14.6.7)
- 4. An estimate of the volume of material to be moved must be provided. (SPRR II.F.9)
- 5. The locus plan provided does not meet some of the requirements specified in SPRR II.G.
- 6. Post Construction View Representations are required under SPRR II.K.2. The conceptual renderings provided in the application generally depict the proposed ESS components but do not appear to represent the specific configuration at this site. This office defers to the Board if the conceptual renderings are sufficient or if the renderings must be updated.
- 7. An operation and maintenance plan for the site must be submitted. The plan should include requirements for maintenance of the driveway, plowing, mowing outside of the basin, equipment maintenance, etc. (SPRR II.K.5)
- 8. A specific form of decommissioning surety has not been identified. This office defers to the Board regarding the form of surety and mechanism for accounting for inflation that is to be provided. (SPRR II.K.7)
- 9. The Drainage Analysis indicates that a very minor increase in runoff is expected at the existing catch basin in Main Street due to the driveway construction. The work in Main Street is subject to review by MA DOT and it is expected that MA DOT will review this minor increase. (Stormwater Regulations 5.0)
- 10. This office has not reviewed the proposed work in Main Street (Route 9) as it falls under the jurisdiction of MA DOT. A permit from MA DOT to access the state highway will be required for the proposed work.
- 11. Based on the proposed grading, it appears that runoff from the easterly equipment pads may not flow to the basin as intended. The grading should be revised to ensure that the intended runoff reaches the basin.
- 12. A rip rap slope stabilizing detail is referred to on Sheet 3, however, the detail was not found in the plan set. The detail should be provided.
- 13. The extent of the rip rap slope stabilization called out on Sheet 3 must be depicted on plan.
- 14. Runoff from the driveway has potential to erode the slope between the driveway and basin. Additional stabilization is recommended on this slope.
- 15. Check dams are recommended along the flow path of the existing discharge from the catch basin in Main Street to minimize erosion potential along the toe of the proposed slopes
- 16. The width identified Gravel Access Lane Section must be revised to reflect the proposed conditions in the plan view.
- 17. The town of Southbridge is referenced in the decommissioning plan. The reference should be revised.

#1355 Main Street – Site Plan Page 3 of 3

18. The deeds submitted with the application package are for property in Ashby. The deed for the subject property should be included in the application.

#### **Requested Waivers**

- a. Site Plan Review Regulations II.J Traffic Study. The proposed use is not expected to generate any traffic except for the occasional maintenance and inspection. The waiver request appears to be reasonable.
- b. Site Plan Review Regulations II.E. Documentation of Sewer and Water The proposed use will not require sewer or water service. The waiver request appears to be reasonable.

Sincerely, QUINN ENGINEERING, INC.

Carl Hutton

Carl Hultgren, PE Senior Engineer

CC: Christopher Anderson – Hannigan Engineering, Inc. File

# QUINN ENGINEERING, INC.

October 28, 2021

Leicester Planning Board Town of Leicester 3 Washburn Square Leicester, MA 01524-1333

Re: #1355 Main Street Proposed Energy Storage System

To the Board:

This office has received the following information related to the site plan application for the proposed solar energy storage system (ESS) at #1355 Main Street:

- A stapled packet with cover memorandum addressed to Jason Grimshaw, Chair, Leicester Planning Board, dated October 19, 2021.
- A bound report titled "Drainage Analysis" prepared by Hannigan Engineering, Inc. revised through October 19, 2021.
- A bound set of plans titled "Site Development Plan" prepared by Hannigan Engineering, Inc. revised through October 19, 2021.
- An email from <u>canderson@hanniganengineering.com</u> with the following attachments:
  - 3010-hydroPRE.pdf This attachment consist of 64 pages of pre-development HydroCAD data.
  - 3010-HydroPOST.pdf This attachment consist of 84 pages of post-development HydroCAD data.

We have reviewed this submittal for responses to comments that this office provided in a letter to Leicester Planning Board dated October 12, 2021. Any changes made not in response to our comments must be identified by the applicant. Comments from the previously issued review memorandum can be seen below with supplemental comments noted in *italic* based on the Applicant's responses. Comments that have been adequately addressed are prefaced with "*Resolved*". Comments for which this office has not further comment have been prefaced with "*No further comment*". Supplemental comments that require review by or input from the Board have been prefaced with "*This office defers to the Board*".

#### Comments

1. No landscaping or plantings are proposed. Hannigan Engineering, Inc. has indicated that they anticipate that the ESS will not be visible from the roadway or from residential properties due to the topography and due to the existing vegetation that will remain. The Applicant should clarify to the Board how the landscaping requirements are met or should request a waiver with justification if the landscaping requirements are not met. (Zoning Bylaw 5.5.02.2, 5.14.6.4, SPRR II.F.6, SPRR II.K.1.c and Landscaping Regulations)

*This office defers to the Board.* Hannigan Engineering, Inc. has requested several waivers related to the landscaping requirements. No landscaping or plantings are proposed. A profile has been submitted depicting the elevation relief and layout of the system.

Under §5.5.02.2.A, a 20 foot landscape buffer is required along the roadway frontage.

Under §5.5.02.2.B and C, a 50 foot landscape buffer is required where a non-residential use abuts a residential use and a 100 foot buffer is required where the HB-1 district boundary abuts a residential district boundary. The Board may reduce these buffers to 20 feet and 50 feet, respectively, where site constraints do not allow for the full buffer and an opaque fence and/or other comparable method is provided to adequately buffer the residential property.

The Board's Landscaping Regulations state that the Board may allow or require the use of an opaque fence in addition to or in lieu of planted areas where the nature of a site or site development would not provide adequate screening.

This office defers to the Board if screening is required or if the requested waivers should be granted based on the existing vegetation and the existing topography providing a sufficient buffer. Also, the Board may request that the proposed security fence be equipped with slats to decrease visibility of the proposed equipment in addition to any other required screening.

A waiver/relief from the landscape and screening requirements in §5.14.6 may also be required.

2. Driveway slopes in the HB-1 district are limited to 5% under the Zoning Bylaw 5.5.02.1.C.3. The proposed driveway slopes at approximately 7.5% from Main Street. It appears that the proposed 7.5% slope is reasonable given that the driveway is expected to see minimal use and is not open to the public. This office defers to the Board if the 5% slope requirement can be waived by the Board or if a variance is required.

*This office defers to the Board.* Hannigan Engineering, Inc. has requested a waiver from the 5% driveway limit specified in §5.5.02.1.C.3. The proposed 7.5% slope is reasonable, however, this office defers to the Board if a waver can be granted or if a variance is required.

3. It is recommended that the Board seek input from the Fire Department regarding the proposed gate access, driveway slope and configuration, dry sprinkler system, etc. (Zoning Bylaw 5.14.6.7)

#### No further comment.

4. An estimate of the volume of material to be moved must be provided. (SPRR II.F.9)

**Resolved.** Hannigan Engineering, Inc. has indicated that the volume of material to be moved is 5,700 cu. yd.

5. The locus plan provided does not meet some of the requirements specified in SPRR II.G.

**Resolved.** A revised locus plan has been provided meeting the requirements.

6. Post Construction View Representations are required under SPRR II.K.2. The conceptual renderings provided in the application generally depict the proposed ESS components but do not appear to represent the specific configuration at this site. This office defers to the Board if the conceptual renderings are sufficient or if the renderings must be updated.

*This office defers to the Board.* Hannigan Engineering, Inc. has indicated that a profile depicting the elevation relief and layout of the system has been provided to aid in review. This office defers to the Board if the conceptual renderings are sufficient or if the renderings must be updated.

#1355 Main Street – Site Plan Page 3 of 4

7. An operation and maintenance plan for the site must be submitted. The plan should include requirements for maintenance of the driveway, plowing, mowing outside of the basin, equipment maintenance, etc. (SPRR II.K.5)

Operation and maintenance requirements for the site have been included in this submission. It is recommended that the Fire Department review and comment the proposed snow plowing routine to ensure that the Department is comfortable with the proposal.

8. A specific form of decommissioning surety has not been identified. This office defers to the Board regarding the form of surety and mechanism for accounting for inflation that is to be provided. (SPRR II.K.7)

*This office defers to the Board.* Hannigan Engineering, Inc. has indicated that the specific type of surety will be determined prior to the issuance of a building permit.

9. The Drainage Analysis indicates that a very minor increase in runoff is expected at the existing catch basin in Main Street due to the driveway construction. The work in Main Street is subject to review by MA DOT and it is expected that MA DOT will review this minor increase. (Stormwater Regulations 5.0)

#### No further comment.

10. This office has not reviewed the proposed work in Main Street (Route 9) as it falls under the jurisdiction of MA DOT. A permit from MA DOT to access the state highway will be required for the proposed work.

#### No further comment.

11. Based on the proposed grading, it appears that runoff from the easterly equipment pads may not flow to the basin as intended. The grading should be revised to ensure that the intended runoff reaches the basin.

The grading has been revised to depict a shallow swale at the end west end of the equipment pads, however based on the revised grading, the runoff in the swale will flow towards the proposed access gate and does not appear to flow into the basin. The plan should be revised to depict a more defined channel directing runoff into the basin in order to ensure that the intended runoff reaches the basin.

12. A rip rap slope stabilizing detail is referred to on Sheet 3, however, the detail was not found in the plan set. The detail should be provided.

Resolved. A rip rap slope detail has been provided.

13. The extent of the rip rap slope stabilization called out on Sheet 3 must be depicted on plan.

**Resolved.** The extent of the rip rap slope has been called out on the revised plan.

14. Runoff from the driveway has potential to erode the slope between the driveway and basin. Additional stabilization is recommended on this slope.

**Resolved.** The rip rap slope has been extended onto the slope between the driveway and basin.

15. Check dams are recommended along the flow path of the existing discharge from the catch basin in Main Street to minimize erosion potential along the toe of the proposed slopes

Check dams and a defined rip rap channel have been proposed along the flow path from the existing culvert. The Applicant should confirm that channelizing the flow does not increase flows to the downstream property.

16. The width identified Gravel Access Lane Section must be revised to reflect the proposed conditions in the plan view.

Resolved. The Gravel Access Lane Section has been revised.

17. The town of Southbridge is referenced in the decommissioning plan. The reference should be revised.

Resolved. An updated decommissioning plan has been included in this submission.

18. The deeds submitted with the application package are for property in Ashby. The deed for the subject property should be included in the application.

**Resolved.** The deed has been included in this submission.

#### **Requested Waivers**

- a. Site Plan Review Regulations II.J Traffic Study. The proposed use is not expected to generate any traffic except for the occasional maintenance and inspection. The waiver request appears to be reasonable.
- b. Site Plan Review Regulations II.E. Documentation of Sewer and Water The proposed use will not require sewer or water service. The waiver request appears to be reasonable.
- c. Zoning Bylaw §5.5.02.1.C.3 Slope of driveways shall be no greater than 5%. See comment 2.
- d. Zoning Bylaw 5.5.02.2.C Landscape buffer at least 100 feet where an HB-1 district abuts a Residential District. See comment 1.
- e. Site Plan Rules and Regulations II.F.6 Proposed Landscaping. See comment 1.
- f. Site Plan Rules and Regulations II.K.1.c Proposed screening/buffering in conformance with the Zoning Bylaw requirements. See comment 1.

Sincerely, QUINN ENGINEERING, INC.

Carl Hutton

Carl Hultgren, PE Senior Engineer

CC: Christopher Anderson – Hannigan Engineering, Inc. File

#### **Brooke Hultgren**

From:	Ken Antanavica <antanavicak@leicesterpd.org></antanavicak@leicesterpd.org>
Sent:	Thursday, September 23, 2021 7:34 AM
То:	Brooke Hultgren
Subject:	RE: Site Plan Review Application - ZP Battery Solar/1355 Main St

Hello Brooke:

It appears that there will be very little impact on traffic once the project is completed. LPD has no objections to this project, we will need all emergency contacts for dispatch in the event of a catastrophic failure and an evacuation plan if needed.

Thank You

Chief Kenneth M Antanavica Leicester Police Department 90 S. Main St. Leicester, Ma 01524 (508) 892-7010 ext 2010 Fax (508) 892-7012

From: Brooke Hultgren <hultgrenb@leicesterma.org>
Sent: Wednesday, September 22, 2021 4:03 PM
To: Ken Antanavica <antanavicak@leicesterpd.org>
Subject: Site Plan Review Application - ZP Battery Solar/1355 Main St

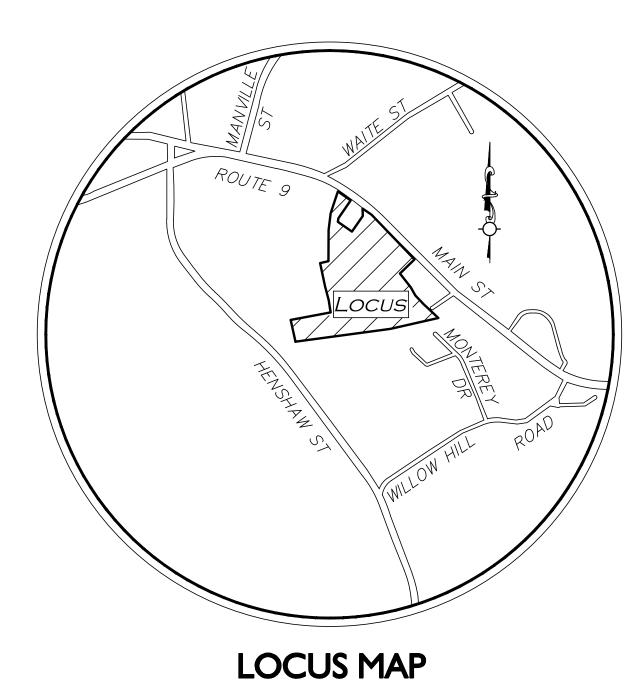
The Planning Board has received a new application, as summarized below. Comments, if any, should be submitted <u>by</u> <u>email to hultgrenb@leicesterma.org</u> or <u>planning@leicesterma.org</u>.

Type of Application: Site Plan Review Project Name: ZP Battery Solar Location/Description: 1355 Main St Water/Sewer: N/A Planning Board Meeting Date: 11/2/2021 Deadline for Comments: 10/27/2021

The application & plans are available at the link below: <u>https://www.leicesterma.org/planning-board/pages/current-applications-plans</u>

#### **Brooke Hultgren**

Planning, Conservation, and ZBA Assistant Town of Leicester (508) 892-7007 Please note that Leicester Town Hall is closed on Fridays.



NOT TO SCALE

AGENT: **RE/MAX PATRIOT REALTY 55 MEAD STREET** LEOMINSTER, MA 01453

APPLICANT MKEP 770 LLC 265 SUNRISE HIGHWAY, SUITE 1368 **ROCKVILLE CENTER, NY 11570** 

OWNER E F G REALTY TRUST **EDGAR GREENEY, JR - TRUSTEE** 76 MCCLELLAN STREET AMHERST, MA 01002

**<u>CIVIL ENGINEER / SURVEYOR:</u>** ALLEN & MAJOR ASSOCIATES, INC. 100 COMMERCE WAY, SUITE 5 WOBURN, MA 01801

**ENVIRONMENTAL CONSULTANT** GOVE ENVIRONMENTAL SERVICES, INC. 8 CONTINENTAL DR BLDG 2 UNIT H EXETER NH 03833-7507

# DEFINITIVE SUBDIVISION PLANS FOR SKYVIEW ESTATES MAIN STREET LEICESTER, MA 01611

## LEICESTER PLANNING BOARD WAIVERS REQUESTED

SECTION V.A.1.f - MINIMUM CENTER LINE RADII. 200' MIN. REQUIRED TO ALLOW CENTER LINE RADIUS OF 120' AND 135'

SECTION V.A.3.a - MAXIMUM STREET GRADE 10% TO ALLOW FOR A STREET GRADE OF NO MORE THAN 14%

SECTION VI.B.1A - REINFORCED CONCRETE STORM DRAINAGE PIPING REQUIRED A WAIVER IS REQUESTED TO UTILIZE HIGH DENSITY POLYPROPYLENE (HDPE) DRAINAGE LINES OR APPROVED EQUAL WITHIN THE DRAINAGE SYSTEM OF THE SUBDIVISION.

SECTION VI.C.4 - VELOCITIES SHALL BE BETWEEN 2 AND 10 FEET PER SECOND A WAIVER IS REQUESTED ALLOW WATER VELOCITY WITHIN THE CLOSED STORMWATER SYSTM FROM 11.92 FPS TO 14.0 FPS WHICH IS LESS THAN THE MANUFACTURES RECOMMENDATION FOR SCOUR WITHIN THE PIPING NETWORK.

SECTION VI.E.3 - STREET LIGHTING REQUIRED TO ALLOW STREET LIGHTING TO BE INSTALLED AS PRIVATE DRIVEWAY LIGHT

SECTION VI.L STREET TREES SHALL BE INSTALLED ON BOTH SIDES OF THE ROADWAY TO ALLOW FOR STREET TREE PLANTINGS TO BE INSTALLED ON ONE SIDE ONLY

SECTION VI.G.1 - SIDEWALKS SHALL BE INSTALLED ON BOTH SIDES OF ALL STREETS WITHIN A SUBDIVISION A WAIVER IS REQUESTED TO INSTALL SIDEWALKS ON ONLY 1 SIDE OF THE ROADWAY DUE TO THE STEEP TERRAIN OF THE PROPOSED SUBDIVISION AND LACK OF CONNECTION TO A MUNICIPAL SIDEWALK ALONG MAIN STREET (AKA ROUTE 9)

## **GENERAL NOTES**

1.	THE OWNER OF RECORD:
	<u>LOT 21–B5.1</u> EFG REALTY TRUST 76 MCCLELLAN STREET AMHERST, MA 01002 BOOK 16761, PAGE 78
2.	ZONING DISTRICT: BUSINESS

SOUTH & WEST LOT SIZE: 22,500 SF LOT FRONTAGE: 100 FT.

FRONT SETBACK: 25 FT. 15 FT. SIDE SETBACK: REAR SETBACK: 25 FT.

3. EXISTING USE OF LOT <u>21-B5.1</u> IS VACANT LAND. 4. NO PORTION OF THE PROPERTY IS WITHIN THE 100 YEAR FLOOD BOUNDARY HAZARD ZONE AS SHOWN ON THE FLOOD INSURANCE RATE MAP #25027C0782E WITH AN EFFECTIVE DATE: JULY 14, 2011 FOR THE CITY OF LEICESTER.

(B) AND SUBURBAN AGRICULTURAL (SA) DISTRICT TO THE

LIST OF DRAWINGS					
DRAWING TITLE	SHEET NO.	ISSUED	REVISED		
EXISTING CONDITIONS	V-101	03-08-21	-		
SITE PREPARATION PLAN	C-100	09-17-21	10-05-21		
SUBDIVISION LAYOUT KEY PLAN	C-101	09-17-21	10-05-21		
DEFINITIVE LAYOUT PLAN	C-101A	09-17-21	10-05-21		
DEFINITIVE LAYOUT PLAN	C-101B	09-17-21	10-05-21		
DEFINITIVE LAYOUT PLAN	C-101C	09-17-21	10-05-21		
OVERALL GRADING & DRAINAGE PLAN	C-102	09-17-21	10-05-21		
GRADING & DRAINAGE PLAN	C-102A	09-17-21	10-05-21		
GRADING & DRAINAGE PLAN	C-102B	09-17-21	10-05-21		
GRADING & DRAINAGE PLAN	C-102C	09-17-21	10-05-21		
OVERALL UTILITIES PLAN	C-103	09-17-21	10-05-21		
UTILITIES PLAN	C-103A	09-17-21	10-05-21		
UTILITIES PLAN	C-103B	09-17-21	10-05-21		
UTILITIES PLAN	C-103C	09-17-21	10-05-21		
ROADWAY PROFILE - SKYVIEW DRIVE	C-201	09-17-21	10-05-21		
ROADWAY PROFILES - SKYVIEW TERRACE, EMERGENCY ACCESS, & COLONIAL EXTENSION	C-202	09-17-21	10-05-21		
DETAILS	C-501	09-17-21	10-05-21		
DETAILS	C-502	0 <del>9</del> -17-21	10-05-21		
DETAILS	C-503	09-17-21	10-05-21		
DETAILS	C-504	09-17-21	10-05-21		
DETAILS	C-505	10-05-21	10-05-21		
DETAILS	C-506	10-05-21	10-05-21		

ISSUED FOR DEFINITIVE SUBDIVISION: JULY 16, 2021 UPDATES PER PEER REVIEW & LAYOUT CHANGE: OCT. 5, 2021

FOR REGISTRY USE ONLY

CONDITIONS OF APPROVAL ARE CONTAINED IN THE WRITTEN DECISION OF THE PLANNING BOARD ENTITLED, "CERTIFICATE OF APPROVAL OF A DEFINITIVE SUBDIVISION PLAN" DATED \_\_\_\_ 2021 AND RECORDED IN

THE WORCESTER DISTRICT REGISTRY OF DEEDS IN BOOK \_\_\_\_\_ PAGE \_\_\_\_\_ THE CONSTRUCTION OF WAYS AND INSTALLATION OF SERVICES SHOWN ON THIS PLAN ARE SECURED BY WAY OF A COVENANT, DATED TO BE RECORDED HEREWITH.

APPROVAL OF THE LEICESTER PLANNING BOARD IS FOR \_\_\_\_\_ YEARS ONLY. IN THE EVENT THE WAYS AND SERVICES SHOWN ON THIS PLAN ARE NOT CONSTRUCTED AND INSTALLED WITHIN YEARS \_\_\_\_\_\_ FROM THE DATE OF ENDORSEMENT, THE BOARD'S APPROVAL IS RESCINDED, AND THIS PLAN IS AND SHALL BE NULL AND VOID.

THE CERTIFICATIONS SHOWN HEREON ARE INTENDED TO MEET THE REGISTRY OF DEEDS REQUIREMENTS AND ARE NOT A CERTIFICATION TO THE TITLE OR OWNERSHIP OF THE PROPERTY SHOWN. OWNERS OF ADJOINING PROPERTIES ARE SHOWN ACCORDING TO THE CURRENT TOWNS OF LEICESTER ASSESSOR'S RECORDS.

I CERTIFY THIS PLAN HAS BEEN PREPARED IN CONFORMITY THE THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

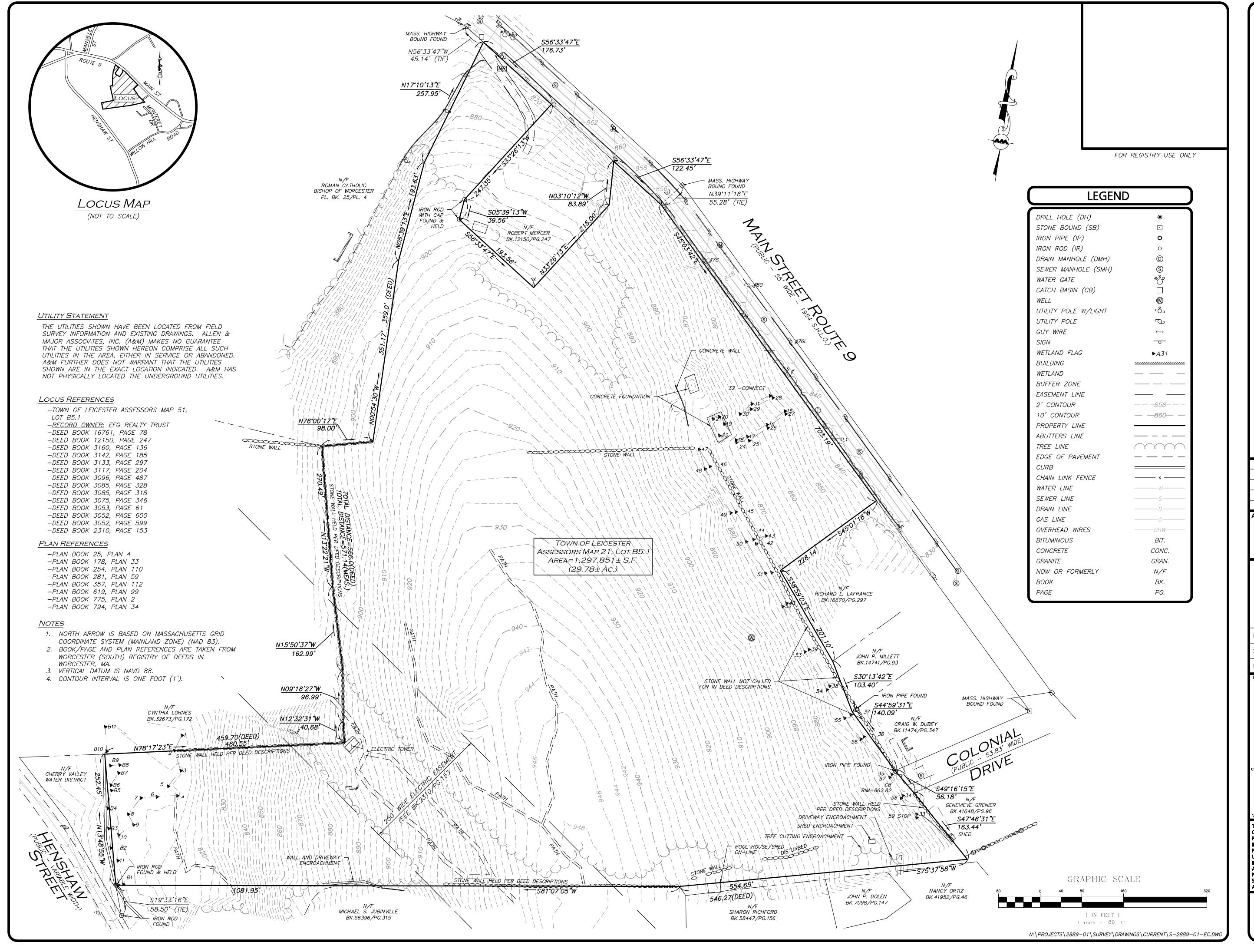


PROFESSIONAL LAND SURVEYOR FOR ALLEN & MAJOR ASSOCIATES, INC.

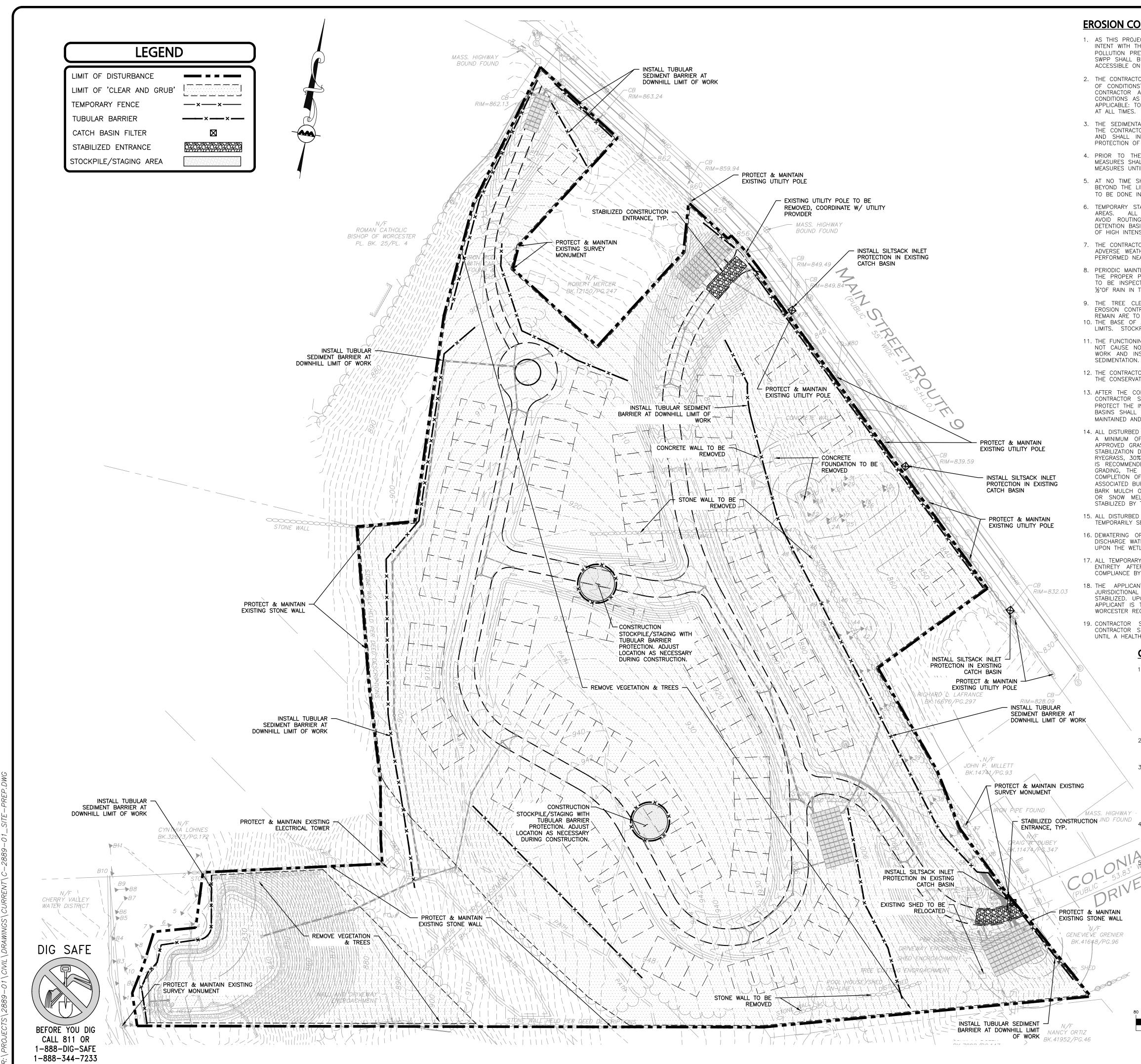
REC BE	APPROVAL UNDER SUBDIVISION CONTROL REQUIRED. SUBJECT TO A COVENANT TO BE RECORDED HEREWITH. DATE:							
LEICESTER PLANNING BOARD I CERTIFY THAT NO NOTICE OF APPEAL WAS RECEIVED DURING THE TWENTY (20) RECORDING DAYS NEXT AFTER RECEIPT AND OF NOTICE FROM THE PLANNING BOARD OF THE APPROVAL OF THIS PLAN								
T	TOWN CLERK – TOWN OF LEICESTER DEFINITIVE ISSUED FOR REVIEW OCTOBER 5, 2021							
	FESSIONAL	ENGIN						
<u>Î</u> REV	10-05-21 DATE		REVISIONS PER T	OWN COMMENTS				
REV APPLICAN Mk 26 RO	DATE IT: SEP 770 I 5 SUNRIS CKVILLE	desce LLC SE HIC		JITE 1368				
REV APPLICAN Mk 26 RO PROJECT	DATE IT: SEP 770 I SSUNRIS CKVILLE SKYV SIDENT	DESCE LLC SE HIC CENT /IEW /IEW	RIPTION GHWAY, SI	JITE 1368 570 S				
REV APPLICAN Mk 26 RO PROJECT RES	DATE IT: SEP 770 I SSUNRIS CKVILLE SKYV SIDENT N LE	DESCE LLC SE HIC CENT /IEW FIAL MAIN S ICEST 2889-01	GHWAY, SU ER, NY 11 ESTATE SUBDIV STREET ER, MA DATE:	JITE 1368 570 S ISION 09-17-21				
REV APPLICAN Mk 26 RO PROJECT	DATE IT: SEP 770 I SSUNRIS CKVILLE SKYV SIDENT NO.	DESCE LLC SE HIC CENT /IEW /IEW /IAIN S ICEST	GHWAY, SU ER, NY 11 ESTATE SUBDIV STREET ER, MA DATE:	JITE 1368 570 S ISION				
REV APPLICAN Mk 26 RO PROJECT RES PROJECT SCALE:	DATE	DESCE LLC SE HIC CENT /IEW /IAIN S ICEST 2889-01 NONE	GHWAY, SU ER, NY 11 ESTATE SUBDIV STREET ER, MA DATE: DWG. : C-28	UITE 1368 570 S ISION 09-17-21 89-01_Cover				
REV APPLICAN Mk 26 RO PROJECT RES PROJECT SCALE: DESIGNE	DATE	DESCE LLC SE HIC CENT /IEW /IAIN S ICEST 2889-01 NONE	GHWAY, SU ER, NY 11 ESTATE SUBDIV STREET ER, MA DATE: DWG. : C-28	UITE 1368 570 S ISION 09-17-21 89-01_Cover				
REV APPLICAN Mk 26 RO PROJECT RES PROJECT SCALE: DESIGNE PREPARED	DATE IT: SEP 770 I S SUNRIS CKVILLE SKYV SIDENT NO.	DESCE LLC SE HIC CENT /IEV/ TIAL MAIN S ICEST 2889-01 NONE SM	GHWAY, SU ER, NY 11 ESTATE SUBDIV STREET ER, MA DATE: DWG. : C-28	UITE 1368 570 S ISION 09-17-21 89-01_Cover MAM				
REV APPLICAN Mk 26 RO PROJECT RES PROJECT SCALE: DESIGNE PREPARED	DATE IT: KEP 770 I 5 SUNRIS CKVILLE SKYV SIDENT M LE NO. D BY: BY: BY: CLLEN SSOC	DESCE LLC SE HIC CENT /IEW FIAL MAIN S ICEST 2889-01 NONE SM	CHECKED BY:	JITE 1368 570 SISION 09-17-21 89-01_Cover MAM				
REV APPLICAN Mk 26 RO PROJECT RES PROJECT SCALE: DESIGNE PREPARED	DATE IT: KEP 770 I 5 SUNRIS CKVILLE SKYV SIDENT NO. D BY: BY: BY: CLLEN SOC ivil engin mental con w w w a a 100 COM WY TI	DESCE LLC SE HIC CENT /IEW TAL AIN S ICEST 2889-01 NONE SM SM NONE SM	CHECKED BY: AIPTION	JITE 1368 570 SISION 09-17-21 89-01_Cover MAM				
REV APPLICAN Mk 26 RO PROJECT RES PROJECT SCALE: DESIGNE PREPARED PREPARED WOBURN THIS DRA CLIENT/CLI PROVIDED INFORMATI POTENTIAL UNINTENTIAL	DATE T: CEP 770 I 5 SUNRIS CKVILLE SUNRIS CKVILLE SIDENT NO. DBY: BY: DBY: BY: CILEN SOC ivil engin nental con W W a ID BY: BY: CILEN SOC ivil engin nental con W W a ID COM W TI FA SOC SOC ivil engin nental con W W a ID COM W TI FA SOC SOC ID COM W TI FA SOC SOC ID EN SOC ID EN SOC SOC ID EN SOC ID EN SOC SOC ID EN SOC ID EN SOC SOC ID EN SOC SOC ID EN SOC SOC ID EN SOC SOC ID EN SOC SOC SOC SOC SOC SOC SOC SOC	DESCE DESCE LLC SE HIC CENT /IEW /IAL /IAL /ICEST 2889-01 NONE SM /IAL SM /IAC /IAC /ICEST /IAL /ICEST /IAL /ICEST	SHWAY, SU ER, NY 11 ESTATE SUBDIV STREET ER, MA DATE: DWG. : C-28 CHECKED BY: CHECKED BY:	JITE 1368 570 SISION 09-17-21 09-17-21 89-01_Cover MAM S9-01_Cover MAM				

Copyright©2021 Allen & Major Associates, Inc. All Rights Reserved

0 OF 22



WE HEI	REBY CER	TIFY TH	AT:					
ON THI BETWEE	E GROUND EN JANUAF	SURVE	SULT OF AN EY PERFORM 2021 AND	ED ON OR				
THIS WITH TI REGIST 1976 A ACCO	BETWEEN JANUARY 10, 2021 AND FEBRUARY 9, 2021. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS DATED JANUARY 1, 1976 AND REVISED JANUARY 12, 1988. ACCORDING TO DEEDS AND PLANS OF							
THIS P. OWNER OR WA PRIVATI	RECORD, THE PROPERTY LINES SHOWN ON THIS PLAN ARE THE LINES DIVIDING EXISTING OWNERSHIP, AND THE LINES OF THE STREETS OR WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS AND WAYS ALREADY							
FOR N THE / MEET F FOR TH	ESTABLISHED, AND THAT NO NEW LINES FOR THE DIVISION OF EXISTING OWNERSHIP OR FOR NEW WAYS ARE SHOWN. THE ABOVE CERTIFICATION IS INTENDED TO MEET REGISTRY OF DEEDS REQUIREMENTS FOR THE RECORDING OF PLANS AND IS NOT							
OF THE ADJOIN ACCOR ASSESS	A CERTIFICATION TO THE TITLE OR OWNERSHIP OF THE PROPERTY SHOWN. OWNERS OF ADJOINING PROPERTIES ARE SHOWN ACCORDING TO CURRENT TOWN OF LEICESTER ASSESSOR'S INFORMATION.							
MY PR AND B	THE ABOVE IS CERTIFIED TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF. ALLEN & MAJOR ASSOCIATES, INC.							
ALLIN		A3300	iailo, inc.					
	· - · · ·		JRVEYOR FC CIATES, INC.	R				
		A0000	JATES, 1100.					
REV	DATE	DESCI	RIPTION					
APPLICANT: MKEP 770 LLC 265 SUNRISE HIGHWAY, SUITE 1368 ROCKVILLE CENTER, NY 11570								
PROJECT:			-					
	651 MAIN STREET LEICESTER, MA							
PROJECT SCALE:		2889-01 1 <b>" =</b> 80'	DATE: DWG. NAME	03/08/21 : S-2889-01-EC				
DRAFTED PREPARED I		AJR	CHECKED BY	: NIL				
AI								
ASSOCIATES, INC. civil engineering • land surveying environmental consulting • landscape architecture								
ci	SOC ivil engin	UIA' eering	◆ land surv	INC.				
ci environn	SOC ivil engin nental con w w w . a 100 WOB TI	CIA eering sulting l l e n COMMI BURN M EL: (781)	TES,	INC. eying architecture				
c: environn WOBURN THIS DRAM	SOC ivil engin nental con w w w . a 100 WOB TI FA , MA • LA MING HAS	CIA eering sulting l l e n COMM BURN M EL: (781) AX: (781) KEVILL BEEN PF	TES, • land surv • landscape m a j o r . c ERCE WAY A 01801-8501 ) 935-6889 ) 935-2896 E, MA • MA REPARED IN D	INC. eying architecture o m NCHESTER, NH				
C: environn WOBURN THIS DRAY CLIENT/CLIE PROVIDED O INFORMATIO POTENTIAL UNINTENTIO INC. MAY AUTHORSHI PORTABLE	SOC ivil engin nental con w w w . a 100 WOB TI FA , MA LA MING HAS NT'S REPRES COPIES OF DR ON AND/OR S THAT THE PR ON ALLY OR C REMOVE A IP ON THE DIG DOCUMENT	COMMI sulting l l e n COMMI BURN M EL: (781) AX: (781) AX: (781) AX: (781) EL: (781) AX: (781) A	► land surv • land scape m a j o r . c ERCE WAY A 01801-8501 ) 935-6889 ) 935-2896 E, MA ◆ MA REPARED IN D OR CONSULT AND SPECIFICATION SE ON THIS PRO- INFORMATION ME E, ALLEN & MA CATION OF THE DIA. PRINTED REPORT	INCLESTER, NH architecture om NCHESTER, NH IGITAL FORMAT. ANTS MAY BE ONS FOR HIS/HER IECT. DUE TO THE IAY BE MODIFIED JOR ASSOCIATES, HE DOCUMENT'S RESENTATIONS OR DRAWINGS AND				
C: environn WOBURN THIS DRAY CLIENT/CLIE PROVIDED O INFORMATIO POTENTIAL UNINTENTIO INC. MAY AUTHORSHI PORTABLE SPECIFICATI	SOC ivil engin nental con www.a 100 WOB TI FA MORENT MALLA MING HAS INT'S REPRES COPIES OF DR ON AND/OR S THAT THE PR ON AND/OR S THAT THE PR	Commission eering sulting l l e n COMMI BURN M EL: (781) AX: (781)	► land surv • land scape m a j o r . c ERCE WAY A 01801-8501 ) 935-6889 ) 935-2896 E, MA ◆ MA REPARED IN D OR CONSULT AND SPECIFICATION SE ON THIS PRO- INFORMATION ME E, ALLEN & MA CATION OF THE DIA. PRINTED REPORT	INCLESTER, NH architecture om NCHESTER, NH IGITAL FORMAT. ANTS MAY BE ONS FOR HIS/HER IECT. DUE TO THE AY BE MODIFIED JOR ASSOCIATES, HE DOCUMENT'S RESENTATIONS OR DRAWINGS AND CORD COPIES OF				



### **EROSION CONTROL NOTES**

1. AS THIS PROJECT SHALL ALTER OVER ONE ACRE OF LAND, IT WILL REQUIRE FILING A NOTICE OF INTENT WITH THE EPA UNDER THE NPDES PHASE II PROGRAM AND WILL REQUIRE A STORMWATER POLLUTION PREVENTION PLAN (SWPP) TO BE FILED PRIOR TO ANY LAND DISTURBANCE. THE SWPP SHALL BE PROVIDED TO THE SITE CONTRACTOR PRIOR TO CONSTRUCTION AND SHALL BE ACCESSIBLE ON SITE DURING ALL CONSTRUCTION ACTIVITY. 2. THE CONTRACTOR SHALL REVIEW AND COMPLY WITH ALL REQUIREMENTS OF THE PROJECT "ORDER OF CONDITIONS" AS ISSUED BY THE TOWN OF LEICESTER CONSERVATION COMMISSION. THE CONTRACTOR AND ALL SUB-CONTRACTORS ARE TO BE MADE AWARE OF THE ORDER OF CONDITIONS AS GRANTED BY THE LEICESTER CONSERVATION COMMISSION AND ITS REGULATIONS APPLICABLE: TO THIS PROJECT. A COPY OF THIS ORDER IS TO BE READILY AVAILABLE ON SITE 3. THE SEDIMENTATION AND EROSION CONTROLS DEPICTED HEREON ARE THE MINIMUM REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER MAINTENANCE OF ALL EROSION CONTROLS AND SHALL INSTALL ADDITIONAL MITIGATION MEASURES AS MAY BE NECESSARY TO ENSURE PROTECTION OF ALL NATURAL RESOURCES. 4. PRIOR TO THE START OF ANY CONSTRUCTION, ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED AS DEPICTED HEREON. THE CONTRACTOR SHALL MAINTAIN THESE MEASURES UNTIL ALL WORK IS COMPLETED AND ALL AREAS HAVE BEEN STABILIZED. APPROVAL UNDER SUBDIVISION CONTROL 5. AT NO TIME SHOULD HEAVY EQUIPMENT CROSS THE EROSION CONTROL BARRIERS OR OPERATE REQUIRED. SUBJECT TO A COVENANT TO BEYOND THE LIMIT OF WORK DEPICTED HEREON. ALL FUELING OF CONSTRUCTION EQUIPMENT IS BE RECORDED HEREWITH. TO BE DONE IN THE UPLANDS OUTSIDE OF THE 100' BUFFER ZONE. 6. TEMPORARY STABILIZATION OF DISTURBED AREAS IS TO LIMIT EROSION TOWARD THE WETLAND AREAS. ALL TRENCHES ARE TO BE FILLED ON A DAILY BASIS WITH SPECIAL CARE TAKEN TO AVOID ROUTING RAINFALL THROUGH GULLIES TOWARD THE WETLAND AREAS. TEMPORARY DETENTION BASINS ARE TO BE INSTALLED IN AREAS PRONE TO CHANNEL FLOWS DURING PERIODS OF HIGH INTENSITY RAINFALL. 7. THE CONTRACTOR IS TO USE PROPER JUDGMENT RELATIVE TO CONSTRUCTION PRACTICES DURING ADVERSE WEATHER CONDITIONS OR PERIODS OF HIGH GROUNDWATER. NO WORK IS TO BE PERFORMED NEAR THE WETLAND AREAS DURING PERIODS OF HEAVY RAINFALL. 8. PERIODIC MAINTENANCE OF THE EROSION CONTROL. MEASURES IS REQUIRED IN ORDER TO INSURE THE PROPER PROTECTION OF THE RESOURCE: AREAS. ALL EROSION CONTROL STRUCTURES ARE TO BE INSPECTED ON A WEEKLY BASIS OR WHENEVER THERE IS A STORM EVENT EXCEEDING  $\frac{1}{2}$ "OF RAIN IN TWENTY FOUR HOURS. 9. THE TREE CLEARING REMOVAL LIMITS SHALL NOT EXTEND BEYOND THE SILTFENCE/HAYBALE EROSION CONTROL BARRIERS AND THE LIMIT OF WORK. AREAS OF EXISTING VEGETATION TO REMAIN ARE TO BE PROTECTED THROUGHOUT CONSTRUCTION. LEICESTER PLANNING BOARD 10. THE BASE OF ALL STOCKPILES SHALL BE CONTAINED WITHIN THE EROSION CONTROL MEASURES LIMITS. STOCKPILES TO BE LEFT OVER 30 DAYS SHALL BE SEEDED WITH ANNUAL RYE GRASS. I CERTIFY THAT NO NOTICE OF APPEAL 11. THE FUNCTIONING OF THE TEMPORARY SEDIMENT CONTROLS OR CONSTRUCTION OPERATIONS SHALL WAS RECEIVED DURING THE TWENTY (20) NOT CAUSE NOTICEABLE SEDIMENT PLUMES. IF PLUMES OCCUR, THE CONTRACTOR SHALL STOP RECORDING DAYS NEXT AFTER RECEIPT WORK AND INSTALL ADDITIONAL SEDIMENTATION CONTROLS IMMEDIATELY TO PREVENT FURTHER AND OF NOTICE FROM THE PLANNING BOARD OF THE APPROVAL OF THIS PLAN 12. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ACCUMULATED SEDIMENT AS REQUIRED BY THE CONSERVATION COMMISSION OR AS DIRECTED BY THE ENGINEER. 13. AFTER THE CONSTRUCTION/INSTALLATION OF THE PERMANENT DRAINAGE /INFRASTRUCTURE, THE TOWN CLERK - TOWN OF LEICESTER CONTRACTOR SHALL INSTALL AND MAINTAIN THE APPROPRIATE SEDIMENTATION CONTROLS TO PROTECT THE INTEGRITY OF THE STRUCTURES DURING THE ONGOING CONSTRUCT/ON. ALL CATCH BASINS SHALL HAVE A SILT SACK CATCH BASIN FILTER INSTALLED. THE FILTERS SHALL BE MAINTAINED AND/OR REPLACED AS NECESSARY UNTIL THE CONSTRUCTION IS COMPLETED. DEFINITIVE 14. ALL DISTURBED NON-PAVED AREAS WITHIN THE PROJECT LIMIT OF WORK SHALL BE DRESSED WITH A MINIMUM OF FOUR INCHES (4") OF SCREENED LOAM AND SHALL BE SEEDED WITH AN **ISSUED FOR REVIEW** APPROVED GRASS MIX AND MULCHED AS SOON AS POSSIBLE IN ORDER TO INSURE THE RAPID **OCTOBER 5, 2021** STABILIZATION DF THE EROSION PRONE AREAS. A CONSERVATION SEED MIXTURE OF 20% ANNUAL RYEGRASS, 30% CREEPING RED FESCUE, 30% CHEWINGS FESCUE AND 20% PERENNIAL RYEGRASS IS RECOMMENDED. IF PERMANENT SEEDING CANNOT BE INSTALLED IMMEDIATELY AFTER FINAL GRADING, THE AREAS ARE TO BE TEMPORARILY MULCHED TO STABILIZE ALL SLOPES UPON COMPLETION OF WORK TO PREVENT EROSION OF SOILS INTO THE RESOURCE AREAS AND THEIR PROFESSIONAL ENGINEER FOR ASSOCIATED BUFFER ZONES. DURING THE GROW-IN PERIOD, TEMPORARY EROSION CONTROLS (I.E ALLEN & MAJOR ASSOCIATES, INC. BARK MULCH OR STRAW) IS TO BE USED TO PREVENT EROSION DURING PERIODS OF RAINFALL OR SNOW MELT. WHERE PRACTICAL DURING CONSTRUCTION, DISTURBED AREAS SHALL BE STABILIZED BY TEMPORARILY SEEDING OR MULCHING. 15. ALL DISTURBED AREAS TO BE LEFT DORMANT FOR MORE THAN 60 DAYS SHALL BE STABILIZED BY TEMPORARILY SEEDING OR MULCHING. 16. DEWATERING OPERATIONS, IF REQUIRED SHALL DISCHARGE ONTO STABILIZED AREAS AND ALL DISCHARGE WATER IS TO PASS THROUGH SEDIMENTATION CONTROL DEVICES TO PREVENT IMPACTS UPON THE WETLANDS RESOURCES, DRAINAGE SYSTEMS. AND ABUTTING PROPERTIES. 17. ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE REMOVED IN THEIR ENTIRETY AFTER FINAL SITE STABILIZATION AND ISSUANCE OF THE FINAL CERTIFICATE OF 10-05-21 MISC. REVISIONS PER TOWN COMMENTS COMPLIANCE BY THE CONSERVATION COMMISSION. DATE DESCRIPTION REV 18. THE APPLICANT SHALL NOTIFY THE LEICESTER CONSERVATION COMMISSION ONCE THE APPLICANT: JURISDICTIONAL WORK HAS BEEN COMPLETED AND ENTIRE SITE HAS BEEN PROPERLY STABILIZED. UPON APPROVAL OF THE WORK SUBJECT TO THE ORDER OF CONDITIONS. THE APPLICANT IS TO RECEIVE A CERTIFICATE OF COMPLIANCE: THAT IS TO BE RECORDED AT THE MKEP 770 LLC WORCESTER REGISTRY OF DEEDS. 265 SUNRISE HIGHWAY, SUITE 1368 19. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. **ROCKVILLE CENTER, NY 11570** CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH COUNTY SPECIFICATIONS UNTIL A HEALTHY STAND OF GRASS IS OBTAINED. PROJECT: **GENERAL NOTES:** SKYVIEW ESTATES 1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR **RESIDENTIAL SUBDIVISION** ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND WHERE MAIN STREET POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL LEICESTER, MA UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY, AND "DIGSAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES. 2889-01 DATE: PROJECT NO. 2. GRADING / DEMOLITION OUTSIDE OF THE PROJECT BOUNDARIES (IF ANY) SCALE: 1" = 80' DWG. : C-2889-01\_Site-Prep REQUIRES A TEMPORARY CONSTRUCTION/GRADING EASEMENT FROM THE LANDOWNER (BY OTHERS). **DESIGNED BY:** SM CHECKED BY: 3. ALTHOUGH CERTAIN ITEMS HAVE BEEN NOTED ON THIS DRAWING FOR DEMOLITION, NO ATTEMPT HAS BEEN MADE TO DELINEATE EACH AND EVERY ITEM REPARED B THAT REQUIRES DEMOLITION FOR THE COMPLETION OF THE PROJECT. CONTRACTOR WILL BE RESPONSIBLE FOR ALL NECESSARY DEMOLITION WORK TO COMPLETE THE PROJECT. ALLEN & MAJOR ASSOCIATES, INC. IS NOT RESPONSIBLE FOR SITE DEMOLITION ITEMS NOT SHOWN ON THE SURVEY, OR SPECIFICALLY NOTED. THE DEMOLITION NOTES AND ARROWS ON THIS PLAN ARE TYPICAL AND DO NOT REFLECT QUANTITY. 4. WRITTEN DIMENSIONS ON THIS PLAN TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING ALLEN & MAJOR REPRODUCED PLANS. IN THE EVENT OF A CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWINGS AND/OR SPECIFICATIONS OR CONDITIONS, THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR. ASSOCIATES, INC. THE INFORMATION SHOWN ON THIS PLAN IS THE SOLE PROPERTY OF ALLEN & MAJOR ASSOCIATES, INC. ITS INTENDED USE IS TO PROVIDE INFORMATION. ANY civil engineering  $\blacklozenge$  land surveying ALTERATION, MISUSE, OR RECALCULATION OF INFORMATION OR DATA WITHOUT nvironmental consulting  $\blacklozenge$  landscape architecture THE EXPRESSED, WRITTEN CONSENT OF ALLEN & MAJOR ASSOCIATES, INC. IS www.allenmajor.com STRICTLY PROHIBITED. 100 COMMERCE WAY, SUITE 5 WOBURN MA 01801 TEL: (781) 935-6889 FAX: (781) 935-2896 WOBURN, MA 🔶 LAKEVILLE, MA 🔶 MANCHESTER, N THIS DRAWING HAS BEEN PREPARED IN DIGITAL FORMA CLIENT/CLIENT'S REPRESENTATIVE OR CONSULTANTS MAY BE PROVIDED COPIES OF DRAWINGS AND SPECIFICATIONS FOR HIS/HER INFORMATION AND/OR SPECIFIC USE ON THIS PROJECT. DUE TO THE POTENTIAL THAT THE PROVIDED INFORMATION MAY BE MODIFIEI UNINTENTIONALLY OR OTHERWISE, ALLEN & MAJOR ASSOCIATE INC. MAY REMOVE ALL INDICATION OF THE DOCUMENT AUTHORSHIP ON THE DIGITAL MEDIA. PRINTED REPRESENTATIONS O GRAPHIC SCALE PORTABLE DOCUMENT FORMAT OF THE DRAWINGS AN SPECIFICATIONS ISSUED SHALL BE THE ONLY RECORD COPIES OF ALLEN & MAJOR ASSOCIATES, INC.'S WORK PRODUCT. **DRAWING TITLE:** ( IN FEET ) SITE PREPARATION PLAN 1 inch = 80 ft.

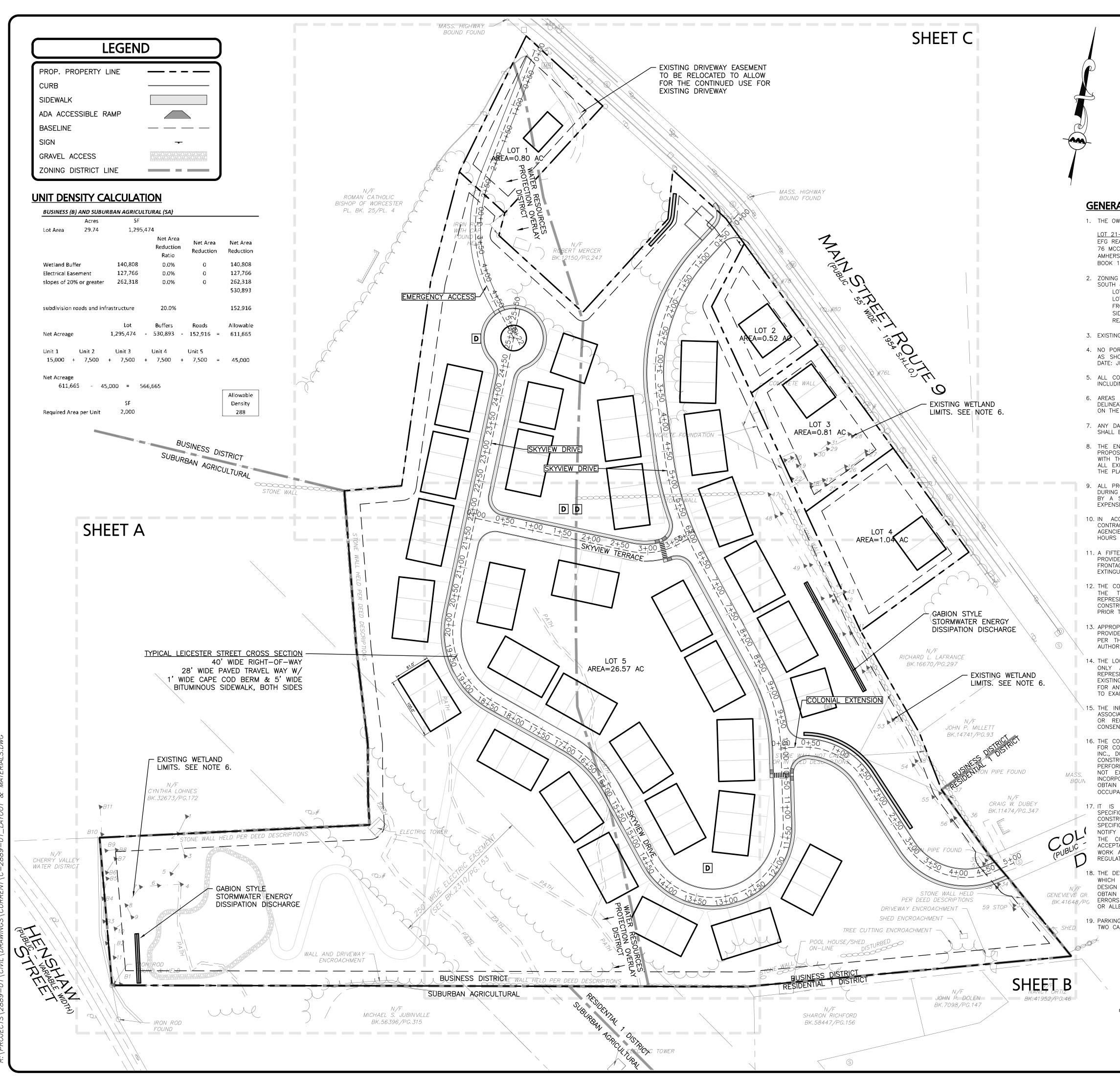
09-17-2<sup>-</sup>

SHEET NO.

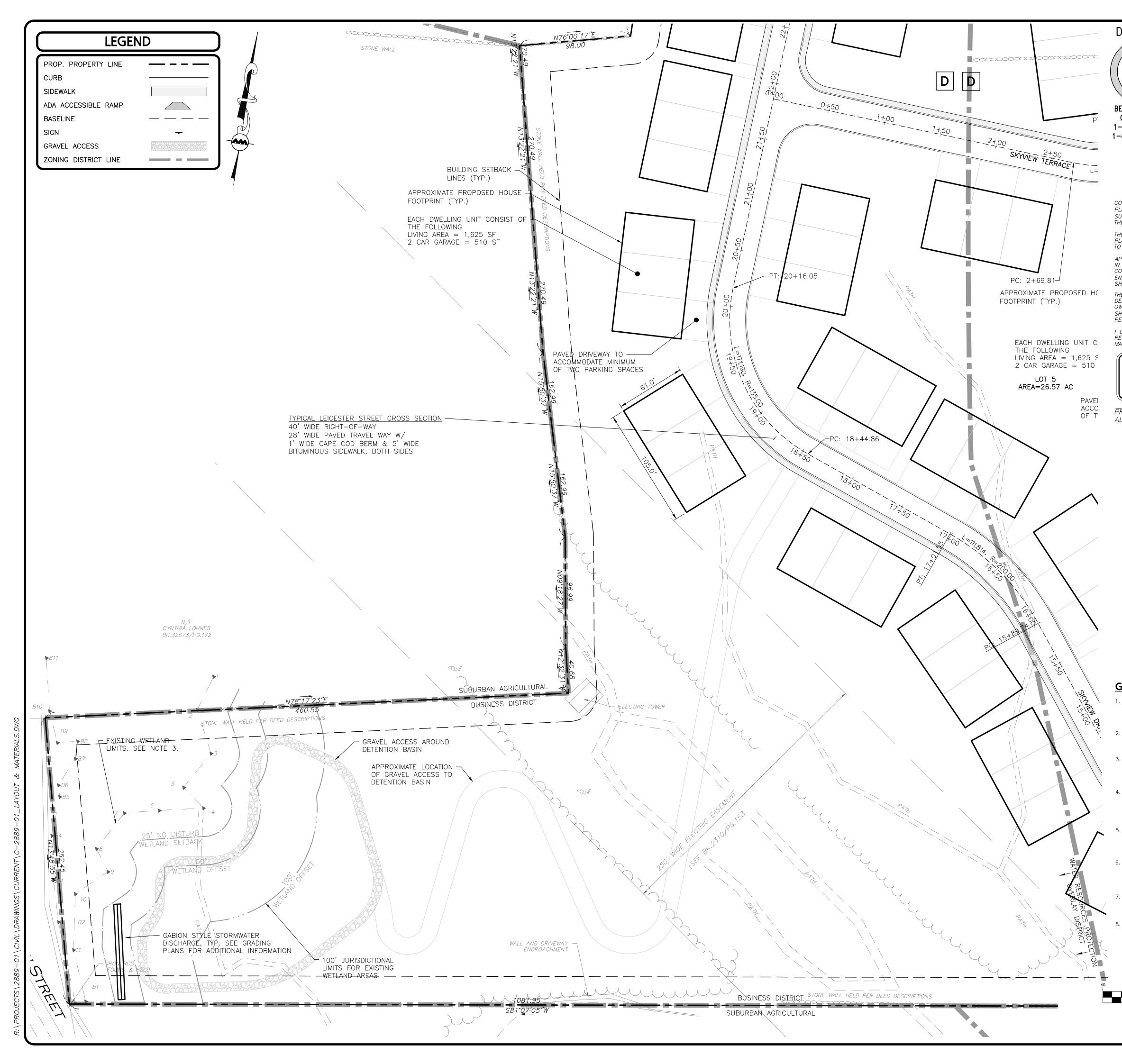
C-100

2 OF 22

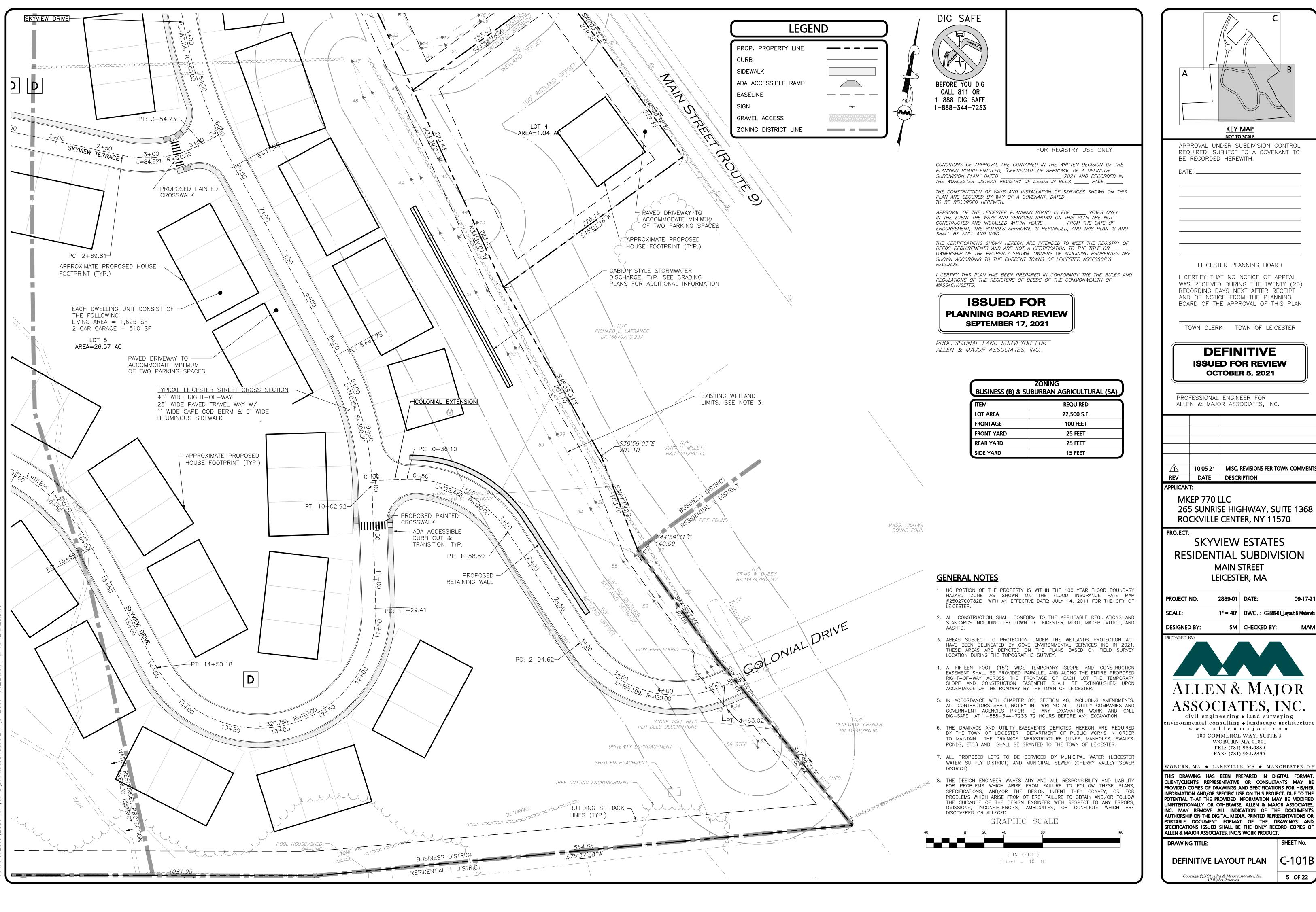
Copyright©2021 Allen & Major Associates, Inc. All Rights Reserved



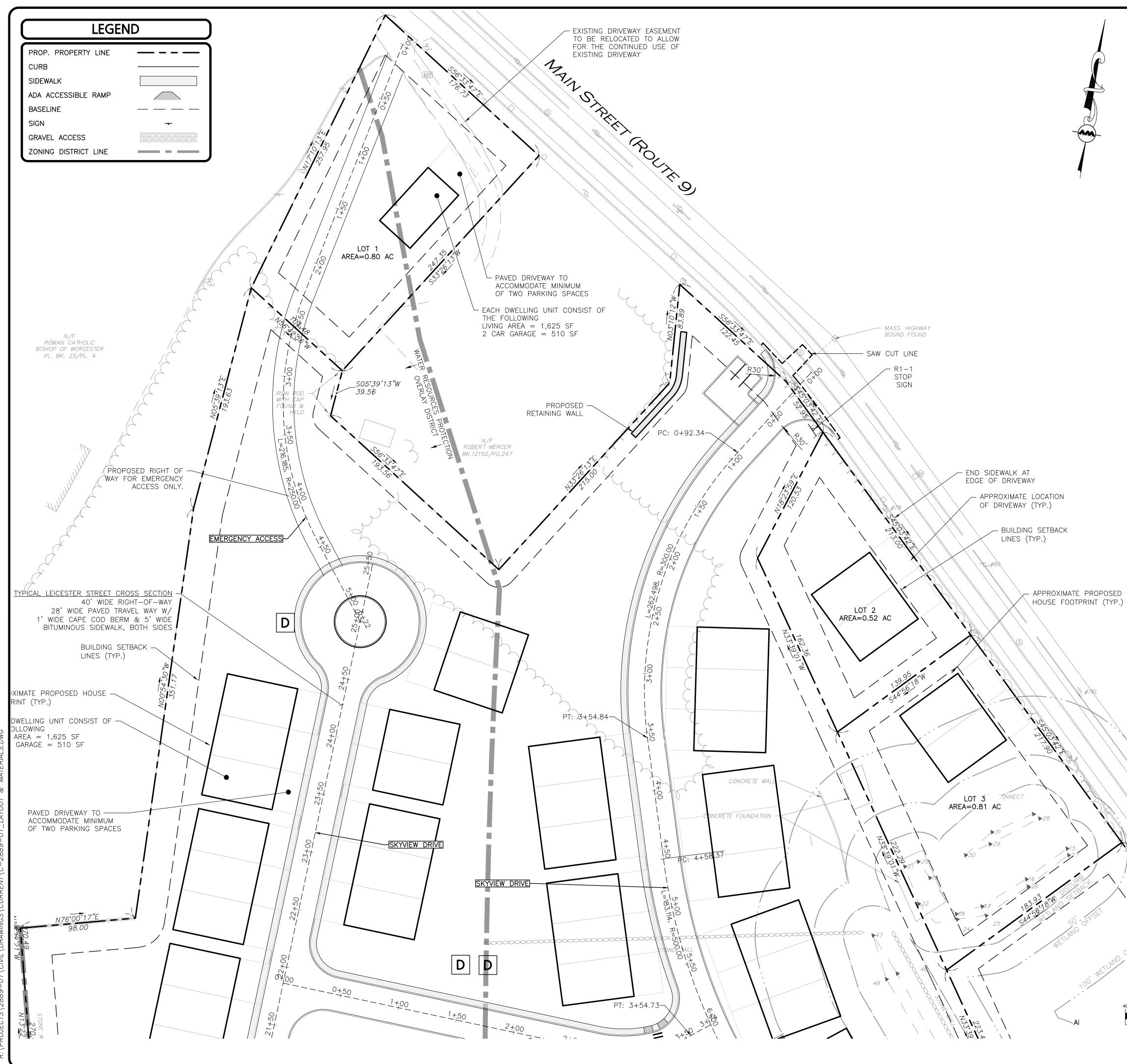
DIG SAFE WITH SAFE BEFORE YOU DIG CALL 811 OR 1–888–DIG–SAFE 1–888–344–7233	
	KEY MAP NOT TO SCALE
FOR REGISTRY USE ONLY FOR REGISTRY USE ONLY FOR REGISTRY USE ONLY FOR REGISTRY USE ONLY FOR REGISTRY USE ONLY ISOURT OF RECORD: 21-B5.1 REALTY TRUST MCCLELLAN STREET ERST, MA 01002 K 16761, PAGE 78	APPROVAL UNDER SUBDIVISION CONTROL REQUIRED. SUBJECT TO A COVENANT TO BE RECORDED HEREWITH. DATE:
ING DISTRICT: BUSINESS (B) AND SUBURBAN AGRICULTURAL (SA) DISTRICT TO THE TH & WEST LOT SIZE: 22,500 SF LOT FRONTAGE: 100 FT. FRONT SETBACK: 25 FT. SIDE SETBACK: 15 FT. REAR SETBACK: 25 FT.	
TING USE OF LOT <u>21-B5.1</u> IS VACANT LAND.	LEICESTER PLANNING BOARD
PORTION OF THE PROPERTY IS WITHIN THE 100 YEAR FLOOD BOUNDARY HAZARD ZONE SHOWN ON THE FLOOD INSURANCE RATE MAP #25027C0782E WITH AN EFFECTIVE : JULY 14, 2011 FOR THE CITY OF LEICESTER.	WAS RECEIVED DURING THE TWENTY (20) RECORDING DAYS NEXT AFTER RECEIPT AND OF NOTICE FROM THE PLANNING
CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS UDING THE TOWN OF LEICESTER, MDOT, MADEP, MUTCD, AND AASHTO.	BOARD OF THE APPROVAL OF THIS PLAN
AS SUBJECT TO PROTECTION UNDER THE WETLANDS PROTECTION ACT HAVE BEEN NEATED BY GOVE ENVIRONMENTAL SERVICES INC IN 2021. THESE AREAS ARE DEPICTED THE PLANS BASED ON FIELD SURVEY LOCATION DURING THE TOPOGRAPHIC SURVEY.	TOWN CLERK - TOWN OF LEICESTER
DAMAGE TO PRIVATE OR PUBLIC PROPERTIES DUE TO THE CONTRACTOR'S ACTIVITIES L BE REPAIRED AND RESTORED BY THE CONTRACTOR AT THEIR OWN EXPENSE.	DEFINITIVE
ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES INTERFERING WITH THE POSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION TAKEN BEFORE PROCEEDING I THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON PLANS	ISSUED FOR REVIEW OCTOBER 5, 2021
PROPERTY MARKERS AND STREET LINE MONUMENTS SHALL BE PROPERLY PROTECTED ING CONSTRUCTION. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED AND RESTORED A SURVEYOR REGISTERED IN THE STATE OF MASSACHUSETTS AT THE CONTRACTORS ENSE.	PROFESSIONAL ENGINEER FOR Allen & Major Associates, Inc.
ACCORDANCE WITH CHAPTER 82, SECTION 40, INCLUDING AMENDMENTS. ALL TRACTORS SHALL NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT NCIES PRIOR TO ANY EXCAVATION WORK AND CALL DIG—SAFE AT 1—888—344—7233 72 RS BEFORE ANY EXCAVATION.	
IFTEEN FOOT (15') WIDE TEMPORARY SLOPE AND CONSTRUCTION EASEMENT SHALL BE VIDED PARALLEL AND ALONG THE ENTIRE PROPOSED RIGHT—OF—WAY ACROSS THE NTAGE OF EACH LOT THE TEMPORARY SLOPE AND CONSTRUCTION EASEMENT SHALL BE NGUISHED UPON ACCEPTANCE OF THE ROADWAY BY THE TOWN OF LEICESTER.	10-05-21 MISC. REVISIONS PER TOWN COMMENTS
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION MEETING WITH TOWN, THE APPROPRIATE UTILITY COMPANIES, THE OWNER AND OWNER'S RESENTATIVE. THE MEETING SHALL TAKE PLACE PRIOR TO THE START OF STRUCTION AND THE CONTRACTOR MUST PROVIDE 48 HOURS NOTICE TO ALL ATTENDEES OR TO THE START OF THE MEETING.	REV DATE DESCRIPTION APPLICANT: MKEP 770 LLC
ROPRIATE WARNING SIGNS, MARKERS, BARRICADES AND/OR FLAGMEN SHALL BE VIDED TO REGULATE TRAFFIC. CONSTRUCTION TRAFFIC CONTROL SHALL BE IMPLEMENTED THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE LOCAL HORITY.	265 SUNRISE HIGHWAY, SUITE 1368 ROCKVILLE CENTER, NY 11570 PROJECT:
LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY Y AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR IT'S RESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL TING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.	SKYVIEW ESTATES RESIDENTIAL SUBDIVISION MAIN STREET LEICESTER, MA
INFORMATION SHOWN ON THIS PLAN IS THE SOLE PROPERTY OF ALLEN & MAJOR DCIATES, INC. ITS INTENDED USE IS TO PROVIDE INFORMATION. ANY ALTERATION, MISUSE, RECALCULATION OF INFORMATION OR DATA WITHOUT THE EXPRESSED , WRITTEN SENT OF ALLEN & MAJOR ASSOCIATES, INC. IS STRICTLY PROHIBITED.	
CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND CONDITIONS OF THE SITE. THESE PLANS PREPARED BY ALLEN & MAJOR ASSOCIATES,	PROJECT NO.         2889-01         DATE:         09-17-21           SCALE:         1" = 80'         DWG. : C-2889-01_Layout & Materials
DO NOT EXTEND TO, NOR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE STRUCTION CONTRACTOR OR THE EMPLOYEES, AGENTS OF REPRESENTATIVES IN FORMANCE OF THE WORK. THE SEAL OF THE ARCHITECT OR ENGINEER HEREON DOES EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE ORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OF AIN THE APPROPRIATE SAFETY SYSTEMS THAT MAY BE REQUIRED BY THE US UPATIONAL SAFETY AND HEATH ADMINISTRATION (OSHA) AND/OR LOCAL REGULATIONS.	DESIGNED BY: SM CHECKED BY: MAM PREPARED BY:
IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL DRAWINGS AND CIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE START OF STRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DRAWINGS, CIFICATIONS, OR RELATIVE CODES, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FY THE ENGINEER AND/OR ARCHITECT PRIOR TO START OF CONSTRUCTION. FAILURE BY CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT SHALL CONSTITUTE EPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF K AND/OR DESIGN INTENT OF THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL JUATIONS AND CODES.	ALLEN & MAJOR ASSOCIATES, INC.
DESIGN ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS CH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS, AND/OR THE GN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO AIN AND/OR FOLLOW THE GUIDANCE OF THE DESIGN ENGINEER WITH RESPECT TO ANY DRS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES, OR CONFLICTS WHICH ARE DISCOVERED ALLEGED.	civil engineering ◆ land surveying environmental consulting ◆ landscape architecture w w w . a l l e n m a j o r . c o m 100 COMMERCE WAY, SUITE 5 WOBURN MA 01801 TEL: (781) 935-6889
KING REQUIREMENTS SHALL BE MET THROUGH THE CONSTRUCTION OF AN ATTACHED CAR GARAGE FOR EACH RESIDENTIAL STRUCTURE.	FAX: (781) 935-2896 WOBURN, MA ◆ LAKEVILLE, MA ◆ MANCHESTER, NH THIS DRAWING HAS BEEN PREPARED IN DIGITAL FORMAT.
GRAPHIC SCALE 80 0 40 80 160 320	CLIENT/CLIENT'S REPRESENTATIVE OR CONSULTANTS MAY BE PROVIDED COPIES OF DRAWINGS AND SPECIFICATIONS FOR HIS/HER INFORMATION AND/OR SPECIFIC USE ON THIS PROJECT. DUE TO THE POTENTIAL THAT THE PROVIDED INFORMATION MAY BE MODIFIED UNINTENTIONALLY OR OTHERWISE, ALLEN & MAJOR ASSOCIATES, INC. MAY REMOVE ALL INDICATION OF THE DOCUMENT'S AUTHORSHIP ON THE DIGITAL MEDIA. PRINTED REPRESENTATIONS OR PORTABLE DOCUMENT FORMAT OF THE DRAWINGS AND SPECIFICATIONS ISSUED SHALL BE THE ONLY RECORD COPIES OF ALLEN & MAJOR ASSOCIATES, INC.'S WORK PRODUCT.
( IN FEET ) 1 inch = 80 ft.	DRAWING TITLE: SHEET No. DEFINITIVE SUBDIVISION KEY PLAN C-101
J	Copyright©2021 Allen & Major Associates, Inc. <b>3 OF 22</b> All Rights Reserved



CA 1-88	G SAFE DRE YOU DIG LL 811 OR 38-DIG-SAFE 38-344-7233			A	KEY MAP NOT TO SCALE	B
PLANI SUBD THE PLAN TO BI APPR IN TH CONS	F ONTIONS OF APPROVAL ARE CONTAINED NING BOARD ENTITLED, "CERTIFICATE ON WORCESTER DISTRICT REGISTRY OF DE CONSTRUCTION OF WAYS AND INSTALL ARE SECURED BY WAY OF A COVENA E RECORDED HEREWITH. POVAL OF THE LEICESTER PLANNING B HE EVENT THE WAYS AND SERVICES S STRUCTED AND INSTALLED WITHIN YEAR PRSEMENT, THE BOARD'S APPROVAL IS	OF APPROVAL OF A DEFINITIV 2021 AND RECORD EEDS IN BOOK PAGE _ ATION OF SERVICES SHOWN OF ANT, DATED BOARD IS FOR YEARS OF SHOWN ON THIS PLAN ARE NO RS FROM THE DATE	DF THE TE DED IN 	REQUIRED. SI BE RECORDEI	NDER SUBDIVISION UBJECT TO A COVE D HEREWITH.	ENANT TO
THE C DEED OWNE SHOW RECO I CER REGU MASS	L BE NULL AND VOID. CERTIFICATIONS SHOWN HEREON ARE S REQUIREMENTS AND ARE NOT A CE ERSHIP OF THE PROPERTY SHOWN. OV IN ACCORDING TO THE CURRENT TOWN ORDS. RTIFY THIS PLAN HAS BEEN PREPAREL ILATIONS OF THE REGISTERS OF DEED ACHUSETTS. ISSUED FO PLANNING BOARD R SEPTEMBER 17, 20	ERTIFICATION TO THE TITLE OF WNERS OF ADJOINING PROPER INS OF LEICESTER ASSESSOR' D IN CONFORMITY THE THE R DS OF THE COMMONWEALTH O R EVIEW	R RTIES ARE 'S PULES AND	I CERTIFY TH, WAS RECEIVE RECORDING D AND OF NOTI BOARD OF TH	TER PLANNING BOA AT NO NOTICE OF D DURING THE TW DAYS NEXT AFTER ICE FROM THE PLA HE APPROVAL OF T	APPEAL ENTY (20) RECEIPT NNING THIS PLAN
	BUSINESS (B) & SUBU	2. 2 <b>ONING</b> JRBAN AGRICULTURAL (S REQUIRED		PROFESSIONAL	EFINITIVE ED FOR REVIE TOBER 5, 2021	EW
	LOT AREA FRONTAGE FRONT YARD	22,500 S.F. 100 FEET 25 FEET				
GE	NERAL NOTES			ROCKVILLE PROJECT: SKY\ RESIDEN	LLC SE HIGHWAY, S CENTER, NY 1 /IEW ESTAT TIAL SUBDIV MAIN STREET EICESTER, MA	1570 ES
⊢ #	NO PORTION OF THE PROPERTY IS WI HAZARD ZONE AS SHOWN ON \$25027C0782E WITH AN EFFECTIVE [ EICESTER.	THE FLOOD INSURANCE F	RATE MAP	PROJECT NO.	2889-01 DATE:	09-17-21
2. A S	ALL CONSTRUCTION SHALL CONFORM STANDARDS INCLUDING THE TOWN OF AASHTO.		TIONS AND	SCALE: DESIGNED BY:	1" = 40'         DWG. : C-28           SM         CHECKED B'	89-01_Layout & Materials Y: MAM
H T	AREAS SUBJECT TO PROTECTION UN HAVE BEEN DELINEATED BY GOVE EN THESE AREAS ARE DEPICTED ON T	NVIRONMENTAL SERVICES INC THE PLANS BASED ON FIEL	N 2021.	PREPARED BY:		
E	OCATION DURING THE TOPOGRAPHIC S					
S	A FIFTEEN FOOT (15') WIDE TEN CASEMENT SHALL BE PROVIDED PARAL RIGHT—OF—WAY ACROSS THE FRONT SLOPE AND CONSTRUCTION EASEME	LEL AND ALONG THE ENTIRE FAGE OF EACH LOT THE T ENT SHALL BE EXTINGUISH	PROPOSED TEMPORARY			
5. II - 5. II	A FIFTEEN FOOT (15') WIDE TEN CASEMENT SHALL BE PROVIDED PARAL RIGHT-OF-WAY ACROSS THE FRONT SLOPE AND CONSTRUCTION EASEME ACCEPTANCE OF THE ROADWAY BY THI N ACCORDANCE WITH CHAPTER 82, ALL CONTRACTORS SHALL NOTIFY IN GOVERNMENT AGENCIES PRIOR TO	LEL AND ALONG THE ENTIRE FAGE OF EACH LOT THE T ENT SHALL BE EXTINGUISH IE TOWN OF LEICESTER. SECTION 40, INCLUDING AM WRITING ALL UTILITY COMP ANY EXCAVATION WORK	PROPOSED TEMPORARY HED UPON HENDMENTS. PANIES AND AND CALL	ASSOC	N & MA CIATES,	INC.
5. II 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A FIFTEEN FOOT (15') WIDE TEN CASEMENT SHALL BE PROVIDED PARAL RIGHT-OF-WAY ACROSS THE FRONT SLOPE AND CONSTRUCTION EASEME ACCEPTANCE OF THE ROADWAY BY THI N ACCORDANCE WITH CHAPTER 82, ALL CONTRACTORS SHALL NOTIFY IN GOVERNMENT AGENCIES PRIOR TO DIG-SAFE AT 1-888-344-7233 72 THE DRAINAGE AND UTILITY EASEMEN BY THE TOWN OF LEICESTER DEPA TO MAINTAIN THE DRAINAGE INFRAS	LEL AND ALONG THE ENTIRE TAGE OF EACH LOT THE T ENT SHALL BE EXTINGUISH TOWN OF LEICESTER. SECTION 40, INCLUDING AM WRITING ALL UTILITY COMP ANY EXCAVATION WORK HOURS BEFORE ANY EXCAVAT NTS DEPICTED HEREON ARE ARTMENT OF PUBLIC WORKS STRUCTURE (LINES, MANHOLES	PROPOSED TEMPORARY HED UPON MENDMENTS. PANIES AND AND CALL TION. REQUIRED IN ORDER S, SWALES.	ASSOC civil engin invironmental con w w w . a 100 COM	CIATES, neering • land sur nsulting • landscap llenmajor. MMERCE WAY, SUIT	INC. veying e architecture c o m
5. II 4 6. T 7. A 7. A	A FIFTEEN FOOT (15') WIDE TEN ASEMENT SHALL BE PROVIDED PARAL RIGHT-OF-WAY ACROSS THE FRONT SLOPE AND CONSTRUCTION EASEME ACCEPTANCE OF THE ROADWAY BY THI N ACCORDANCE WITH CHAPTER 82, ALL CONTRACTORS SHALL NOTIFY IN GOVERNMENT AGENCIES PRIOR TO DIG-SAFE AT 1-888-344-7233 72 THE DRAINAGE AND UTILITY EASEMEN BY THE TOWN OF LEICESTER DEPA TO MAINTAIN THE DRAINAGE INFRAS PONDS, ETC.) AND SHALL BE GRANTE ALL PROPOSED LOTS TO BE SERVIC WATER SUPPLY DISTRICT) AND MUNIC	LEL AND ALONG THE ENTIRE TAGE OF EACH LOT THE T ENT SHALL BE EXTINGUISH IE TOWN OF LEICESTER. SECTION 40, INCLUDING AM WRITING ALL UTILITY COMP ANY EXCAVATION WORK HOURS BEFORE ANY EXCAVAT NTS DEPICTED HEREON ARE ARTMENT OF PUBLIC WORKS STRUCTURE (LINES, MANHOLES ED TO THE TOWN OF LEICEST CED BY MUNICIPAL WATER	PROPOSED TEMPORARY HED UPON MENDMENTS. PANIES AND AND CALL TION. REQUIRED IN ORDER S, SWALES. ER. (LEICESTER EY SEWER	ASSOC civil engin invironmental con w w w . a 100 COM W T F.	CIATES, neering • land sur nsulting • landscap 1 l e n m a j o r . MMERCE WAY, SUIT VOBURN MA 01801 'EL: (781) 935-6889 AX: (781) 935-2896	veying e architecture c o m E 5
5. II A G C C C C C C T T F F S S F T C	A FIFTEEN FOOT (15') WIDE TEN ASEMENT SHALL BE PROVIDED PARAL RIGHT-OF-WAY ACROSS THE FRONT. SLOPE AND CONSTRUCTION EASEME ACCEPTANCE OF THE ROADWAY BY THI N ACCORDANCE WITH CHAPTER 82, ALL CONTRACTORS SHALL NOTIFY IN GOVERNMENT AGENCIES PRIOR TO DIG-SAFE AT 1-888-344-7233 72 THE DRAINAGE AND UTILITY EASEMEN BY THE TOWN OF LEICESTER DEPA TO MAINTAIN THE DRAINAGE INFRAS PONDS, ETC.) AND SHALL BE GRANTE ALL PROPOSED LOTS TO BE SERVIC WATER SUPPLY DISTRICT) AND MUNIC DISTRICT).	LEL AND ALONG THE ENTIRE TAGE OF EACH LOT THE T ENT SHALL BE EXTINGUISH IE TOWN OF LEICESTER. SECTION 40, INCLUDING AM WRITING ALL UTILITY COMP ANY EXCAVATION WORK HOURS BEFORE ANY EXCAVAT NTS DEPICTED HEREON ARE ARTMENT OF PUBLIC WORKS STRUCTURE (LINES, MANHOLES ED TO THE TOWN OF LEICEST CED BY MUNICIPAL WATER ICIPAL SEWER (CHERRY VALL AND ALL RESPONSIBILITY ANI 4 FAILURE TO FOLLOW THES IGN INTENT THEY CONVEY, INTER WITH RESPECT TO AN GUITIES, OR CONFLICTS W	PROPOSED TEMPORARY HED UPON MENDMENTS. PANIES AND AND CALL TION. REQUIRED IN ORDER S, SWALES. TER. (LEICESTER LEY SEWER D LIABILITY SE PLANS, OR FOR DR FOLLOW Y ERRORS, 'HICH ARE	ASSOC civil engin nvironmental con w w w . a 100 CON W T E WOBURN, MA • LA WOBURN, MA • LA THIS DRAWING HAS CLIENT/CLIENT'S REPRES PROVIDED COPIES OF DE NFORMATION AND/OR S POTENTIAL THAT THE PH JNINTENTIONALLY OR O NC. MAY REMOVE A AUTHORSHIP ON THE DIC	CIATES, neering + land sur nsulting + landscap 1 l e n m a j o r . MMERCE WAY, SUIT OBURN MA 01801 EL: (781) 935-6889 AX: (781) 935-2896 AKEVILLE, MA + MA BEEN PREPARED IN SENTATIVE OR CONSUL RAWINGS AND SPECIFICAT SPECIFIC USE ON THIS PRO ROVIDED INFORMATION IN OTHERWISE, ALLEN & M ALL INDICATION OF GITAL MEDIA. PRINTED REI	INC. veying e architecture c o m TE 5 ANCHESTER, NH DIGITAL FORMAT. TANTS MAY BE TIONS FOR HIS/HER DIGITAL FORMAT. TANTS MAY BE TIONS FOR HIS/HER DIGITAL FORMAT. THE DOCUMENT'S PRESENTATIONS OR
5. II A G C C C C C C T T F F S S F T C	A FIFTEEN FOOT (15') WIDE TEN ASEMENT SHALL BE PROVIDED PARAL RIGHT-OF-WAY ACROSS THE FRONT SLOPE AND CONSTRUCTION EASEME ACCEPTANCE OF THE ROADWAY BY THI N ACCORDANCE WITH CHAPTER 82, ALL CONTRACTORS SHALL NOTIFY IN GOVERNMENT AGENCIES PRIOR TO DIG-SAFE AT 1-888-344-7233 72 THE DRAINAGE AND UTILITY EASEMEN BY THE TOWN OF LEICESTER DEPA TO MAINTAIN THE DRAINAGE INFRAS PONDS, ETC.) AND SHALL BE GRANTE ALL PROPOSED LOTS TO BE SERVIC WATER SUPPLY DISTRICT) AND MUNIC DISTRICT).	LEL AND ALONG THE ENTIRE TAGE OF EACH LOT THE T ENT SHALL BE EXTINGUISH IE TOWN OF LEICESTER. SECTION 40, INCLUDING AM WRITING ALL UTILITY COMP ANY EXCAVATION WORK HOURS BEFORE ANY EXCAVAT NTS DEPICTED HEREON ARE ARTMENT OF PUBLIC WORKS STRUCTURE (LINES, MANHOLES ED TO THE TOWN OF LEICEST CED BY MUNICIPAL WATER ICIPAL SEWER (CHERRY VALL AND ALL RESPONSIBILITY ANI 4 FAILURE TO FOLLOW THES IGN INTENT THEY CONVEY, INTER WITH RESPECT TO AN GUITIES, OR CONFLICTS W	PROPOSED TEMPORARY HED UPON MENDMENTS. PANIES AND AND CALL TION. REQUIRED IN ORDER S, SWALES. TER. (LEICESTER LEY SEWER D LIABILITY SE PLANS, OR FOR DR FOR DR FOLLOW Y ERRORS, (HICH ARE 160	ASSOC civil engin environmental con w w w . a 100 COM W T F WOBURN, MA • L WOBURN, MA • L WOBURN, MA • L THIS DRAWING HAS CLIENT/CLIENT'S REPRES PROVIDED COPIES OF DR NFORMATION AND/OR S POTENTIAL THAT THE PH JNINTENTIONALLY OR C NC. MAY REMOVE AUTHORSHIP ON THE DIC PORTABLE DOCUMENT SPECIFICATIONS ISSUED	CIATES, neering + land sur nsulting + landscap 1 l e n m a j o r . MMERCE WAY, SUIT OBURN MA 01801 EL: (781) 935-6889 AX: (781) 935-2896 AKEVILLE, MA + MA BEEN PREPARED IN SENTATIVE OR CONSUL RAWINGS AND SPECIFICAT SPECIFIC USE ON THIS PRO ROVIDED INFORMATION IN OTHERWISE, ALLEN & M ALL INDICATION OF	INC. veying e architecture c o m TE 5 ANCHESTER, NH DIGITAL FORMAT. TANTS MAY BE TIONS FOR HIS/HER DIGITAL FORMAT. TANTS MAY BE TIONS FOR HIS/HER DIGITAL FORMAT. TANTS MAY BE TIONS FOR HIS/HER DIGITAL FORMAT. THE DOCUMENT'S PRESENTATIONS OR DRAWINGS AND ECORD COPIES OF



DJECTS\2889-01\CIVIL\DRAWINGS\CURRENT\C-2889-01\_LAYOUT & MATERIALS.DN



DIG SAFE	C
BEFORE YOU DIG CALL 811 OR 1-888-DIG-SAFE	
1-888-344-7233	
	KEY MAP NOT TO SCALE
FOR REGISTRY USE ONLY	APPROVAL UNDER SUBDIVISION CONTROL REQUIRED. SUBJECT TO A COVENANT TO BE RECORDED HEREWITH.
CONDITIONS OF APPROVAL ARE CONTAINED IN THE WRITTEN DECISION OF THE PLANNING BOARD ENTITLED, "CERTIFICATE OF APPROVAL OF A DEFINITIVE SUBDIVISION PLAN" DATED 2021 AND RECORDED IN	DATE:
THE WORCESTER DISTRICT REGISTRY OF DEEDS IN BOOK PAGE THE CONSTRUCTION OF WAYS AND INSTALLATION OF SERVICES SHOWN ON THIS PLAN ARE SECURED BY WAY OF A COVENANT, DATED TO BE RECORDED HEREWITH.	
APPROVAL OF THE LEICESTER PLANNING BOARD IS FORYEARS ONLY. IN THE EVENT THE WAYS AND SERVICES SHOWN ON THIS PLAN ARE NOT CONSTRUCTED AND INSTALLED WITHIN YEARS FROM THE DATE OF ENDORSEMENT, THE BOARD'S APPROVAL IS RESCINDED, AND THIS PLAN IS AND SHALL BE NULL AND VOID.	
THE CERTIFICATIONS SHOWN HEREON ARE INTENDED TO MEET THE REGISTRY OF DEEDS REQUIREMENTS AND ARE NOT A CERTIFICATION TO THE TITLE OR OWNERSHIP OF THE PROPERTY SHOWN. OWNERS OF ADJOINING PROPERTIES ARE SHOWN ACCORDING TO THE CURRENT TOWNS OF LEICESTER ASSESSOR'S RECORDS.	LEICESTER PLANNING BOARD
I CERTIFY THIS PLAN HAS BEEN PREPARED IN CONFORMITY THE THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.	I CERTIFY THAT NO NOTICE OF APPEAL WAS RECEIVED DURING THE TWENTY (20)
ISSUED FOR PLANNING BOARD REVIEW	RECORDING DAYS NEXT AFTER RECEIPT AND OF NOTICE FROM THE PLANNING BOARD OF THE APPROVAL OF THIS PLAN
SEPTEMBER 17, 2021	TOWN CLERK - TOWN OF LEICESTER
PROFESSIONAL LAND SURVEYOR FOR ALLEN & MAJOR ASSOCIATES, INC.	DEFINITIVE ISSUED FOR REVIEW
<b>GENERAL NOTES</b> 1. NO PORTION OF THE PROPERTY IS WITHIN THE 100 YEAR FLOOD BOUNDARY HAZARD ZONE AS SHOWN ON THE FLOOD INSURANCE RATE MAP #25027C0782E WITH AN EFFECTIVE DATE: JULY 14, 2011 FOR THE CITY OF LEICESTER.	OCTOBER 5, 2021 PROFESSIONAL ENGINEER FOR
2. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS INCLUDING THE TOWN OF LEICESTER, MDOT, MADEP, MUTCD, AND	ALLEN & MAJOR ASSOCIATES, INC.
AASHTO. 3. AREAS SUBJECT TO PROTECTION UNDER THE WETLANDS PROTECTION ACT HAVE BEEN DELINEATED BY GOVE ENVIRONMENTAL SERVICES INC IN 2021. THESE AREAS ARE DEPICTED ON THE PLANS BASED ON FIELD SURVEY LOCATION DURING THE TOPOGRAPHIC SURVEY.	
4. A FIFTEEN FOOT (15') WIDE TEMPORARY SLOPE AND CONSTRUCTION EASEMENT SHALL BE PROVIDED PARALLEL AND ALONG THE ENTIRE PROPOSED RIGHT-OF-WAY ACROSS THE FRONTAGE OF EACH LOT THE TEMPORARY SLOPE AND CONSTRUCTION EASEMENT SHALL BE EXTINGUISHED UPON	10-05-21     MISC. REVISIONS PER TOWN COMMENTS       REV     DATE       DESCRIPTION
ACCEPTANCE OF THE ROADWAY BY THE TOWN OF LEICESTER. 5. IN ACCORDANCE WITH CHAPTER 82, SECTION 40, INCLUDING AMENDMENTS. ALL CONTRACTORS SHALL NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO ANY EXCAVATION WORK AND CALL DIG-SAFE AT 1-888-344-7233 72 HOURS BEFORE ANY EXCAVATION.	APPLICANT: MKEP 770 LLC 265 SUNRISE HIGHWAY, SUITE 1368
6. THE DRAINAGE AND UTILITY EASEMENTS DEPICTED HEREON ARE REQUIRED BY THE TOWN OF LEICESTER DEPARTMENT OF PUBLIC WORKS IN ORDER TO MAINTAIN THE DRAINAGE INFRASTRUCTURE (LINES, MANHOLES, SWALES. PONDS, ETC.) AND SHALL BE GRANTED TO THE TOWN OF LEICESTER.	ROCKVILLE CENTER, NY 11570 PROJECT:
<ol> <li>ALL PROPOSED LOTS TO BE SERVICED BY MUNICIPAL WATER (LEICESTER WATER SUPPLY DISTRICT) AND MUNICIPAL SEWER (CHERRY VALLEY SEWER DISTRICT).</li> <li>THE DESIGN ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY</li> </ol>	SKYVIEW ESTATES RESIDENTIAL SUBDIVISION MAIN STREET
FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS, AND/OR THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE GUIDANCE OF THE DESIGN ENGINEER WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES, OR CONFLICTS WHICH ARE	LEICESTER, MA PROJECT NO. 2889-01 DATE: 09-17-21
DISCOVERED OR ALLEGED.	SCALE: 1" = 40' DWG. : C-2889-01_Layout & Materials
ZONING	DESIGNED BY:     SM     CHECKED BY:     MAM       PREPARED BY:
BUSINESS (B) & SUBURBAN AGRICULTURAL (SA)         ITEM       REQUIRED         LOT AREA       22,500 S.F.         FRONTAGE       100 FEET	
FRONT YARD25 FEETREAR YARD25 FEET	ALLEN & MAJOR
SIDE YARD 15 FEET	ASSOCIATES, INC.
	environmental consulting $\blacklozenge$ landscape architecture w w w . a l l e n m a j o r . c o m
	100 COMMERCE WAY, SUITE 5 WOBURN MA 01801 TEL: (781) 935-6889 FAX: (781) 935-2896
	WOBURN, MA ◆ LAKEVILLE, MA ◆ MANCHESTER, NH THIS DRAWING HAS BEEN PREPARED IN DIGITAL FORMAT. CLIENT/CLIENT'S REPRESENTATIVE OR CONSULTANTS MAY BE
	PROVIDED COPIES OF DRAWINGS AND SPECIFICATIONS FOR HIS/HER INFORMATION AND/OR SPECIFIC USE ON THIS PROJECT. DUE TO THE POTENTIAL THAT THE PROVIDED INFORMATION MAY BE MODIFIED
	UNINTENTIONALLY OR OTHERWISE, ALLEN & MAJOR ASSOCIATES, INC. MAY REMOVE ALL INDICATION OF THE DOCUMENT'S AUTHORSHIP ON THE DIGITAL MEDIA. PRINTED REPRESENTATIONS OR
GRAPHIC SCALE	PORTABLE DOCUMENT FORMAT OF THE DRAWINGS AND SPECIFICATIONS ISSUED SHALL BE THE ONLY RECORD COPIES OF ALLEN & MAJOR ASSOCIATES, INC.'S WORK PRODUCT.
	DRAWING TITLE: SHEET No.
( IN FEET ) 1 inch = 40 ft.	DEFINITIVE LAYOUT PLANC-101CCopyright©2021 Allen & Major Associates, Inc. All Rights Reserved6 OF 22



- AS THIS PROJECT SHALL ALTER OVER ONE ACRE OF LAND, IT WILL REQUIRE FILING A NOTICE OF INTENT WITH THE EPA UNDER THE NPDES PHASE II PROGRAM AND WILL REQUIRE A STORMWATER POLLUTION PREVENTION PLAN (SWPP) TO BE FILED PRIOR TO ANY LAND DISTURBANCE. THE SWPP SHALL BE PROVIDED TO THE SITE CONTRACTOR PRIOR TO CONSTRUCTION AND SHALL BE ACCESSIBLE ON SITE DURING ALL CONSTRUCTION ACTIVITY.
- THE CONTRACTOR SHALL REVIEW AND COMPLY WITH ALL REQUIREMENTS OF THE PROJECT "ORDER OF CONDITIONS" AS ISSUED BY THE TOWN OF LEICESTER CONSERVATION COMMISSION. THE CONTRACTOR AND ALL SUB-CONTRACTORS ARE TO BE MADE AWARE OF THE ORDER OF CONDITIONS AS GRANTED BY THE LEICESTER CONSERVATION COMMISSION AND ITS REGULATIONS APPLICABLE: TO THIS PROJECT. A COPY OF THIS ORDER IS TO BE READILY AVAILABLE ON SITE AT ALL TIMES.
- THE SEDIMENTATION AND EROSION CONTROLS DEPICTED HEREON ARE THE MINIMUM REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER MAINTENANCE OF ALL EROSION CONTROLS AND SHALL INSTALL ADDITIONAL MITIGATION MEASURES AS MAY BE NECESSARY TO ENSURE PROTECTION OF ALL NATURAL RESOURCES.
- PRIOR TO THE START OF ANY CONSTRUCTION. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED AS DEPICTED HEREON. THE CONTRACTOR SHALL MAINTAIN THESE MEASURES UNTIL ALL WORK IS COMPLETED AND ALL AREAS HAVE BEEN STABIL 17FD
- AT NO TIME SHOULD HEAVY EQUIPMENT CROSS THE EROSION CONTROL BARRIERS OR OPERATE BEYOND THE LIMIT OF WORK DEPICTED HEREON. ALL FUELING OF CONSTRUCTION EQUIPMENT IS TO BE DONE IN THE UPLANDS OUTSIDE OF THE 100' BUFFER ZONE. TEMPORARY STABILIZATION OF DISTURBED AREAS IS TO LIMIT EROSION TOWARD THE WETLAND AREAS. ALL TRENCHES ARE TO BE
- FILLED ON A DAILY BASIS WITH SPECIAL CARE TAKEN TO AVOID ROUTING RAINFALL THROUGH GULLIES TOWARD THE WETLAND AREAS. TEMPORARY DETENTION BASINS ARE TO BE INSTALLED IN AREAS PRONE TO CHANNEL FLOWS DURING PERIODS OF HIGH INTENSITY RAINFALL THE CONTRACTOR IS TO USE PROPER JUDGMENT RELATIVE TO CONSTRUCTION PRACTICES DURING ADVERSE WEATHER CONDITIONS OR
- PERIODS OF HIGH GROUNDWATER. NO WORK IS TO BE PERFORMED NEAR THE WETLAND AREAS DURING PERIODS OF HEAVY RAINFAL I
- PERIODIC MAINTENANCE OF THE EROSION CONTROL. MEASURES IS REQUIRED IN ORDER TO INSURE THE PROPER PROTECTION OF THE RESOURCE: AREAS. ALL EROSION CONTROL STRUCTURES ARE TO BE INSPECTED ON A WEEKLY BASIS OR WHENEVER THERE IS A STORM EVENT EXCEEDING 1/2" OF RAIN IN TWENTY FOUR HOURS.
- THE TREE CLEARING REMOVAL LIMITS SHALL NOT EXTEND BEYOND THE SILTFENCE/HAYBALE EROSION CONTROL BARRIERS AND THE LIMIT OF WORK. AREAS OF EXISTING VEGETATION TO REMAIN ARE TO BE PROTECTED THROUGHOUT CONSTRUCTION. THE BASE OF ALL STOCKPILES SHALL BE CONTAINED WITHIN THE EROSION CONTROL MEASURES LIMITS. STOCKPILES TO BE LEFT OVER 30 DAYS SHALL BE SEEDED WITH ANNUAL RYE GRASS.
- 1. THE FUNCTIONING OF THE TEMPORARY SEDIMENT CONTROLS OR CONSTRUCTION OPERATIONS SHALL NOT CAUSE NOTICEABLE SEDIMENT PLUMES. IF PLUMES OCCUR, THE CONTRACTOR SHALL STOP WORK AND INSTALL ADDITIONAL SEDIMENTATION CONTROLS IMMEDIATELY TO PREVENT FURTHER SEDIMENTATION.
- 12. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ACCUMULATED SEDIMENT AS REQUIRED BY THE CONSERVATION COMMISSION OR AS DIRECTED BY THE ENGINEER.
- 3. AFTER THE CONSTRUCTION/INSTALLATION OF THE PERMANENT DRAINAGE /INFRASTRUCTURE, THE CONTRACTOR SHALL INSTALL AND MAINTAIN THE APPROPRIATE SEDIMENTATION CONTROLS TO PROTECT THE INTEGRITY OF THE STRUCTURES DURING THE ONGOING CONSTRUCT/ON. ALL CATCH BASINS SHALL HAVE A SILT SAC CATCH BASIN FILTER INSTALLED. THE FILTERS SHALL BE MAINTAINED AND/OR REPLACED AS NECESSARY UNTIL THE CONSTRUCTION IS COMPLETED.
- 14. ALL DISTURBED NON-PAVED AREAS WITHIN THE PROJECT LIMIT OF WORK SHALL BE DRESSED WITH A MINIMUM OF FOUR INCHES (4") OF SCREENED LOAM AND SHALL BE SEEDED WITH AN APPROVED GRASS MIX AND MULCHED AS SOON AS POSSIBLE IN ORDER TO INSURE THE RAPID STABILIZATION DF THE EROSION PRONE AREAS. A CONSERVATION SEED MIXTURE OF 20% ANNUAL RYEGRASS, 30% CREEPING RED FESCUE, 30% CHEWINGS FESCUE AND 20% PERENNIAL RYEGRASS IS RECOMMENDED. IF PERMANENT SEEDING CANNOT BE INSTALLED IMMEDIATELY AFTER FINAL GRADING, THE AREAS ARE TO BE TEMPORARILY MULCHED TO STABILIZE ALL SLOPES UPON COMPLETION OF WORK TO PREVENT EROSION OF SOILS INTO THE RESOURCE AREAS AND THEIR ASSOCIATED BUFFER ZONES. DURING THE GROW-IN PERIOD, TEMPORARY EROSION CONTROLS (I.E. BARK MULCH OR STRAW) IS TO BE USED TO PREVENT EROSION DURING PERIODS OF RAINFALL OR SNOW MELT. WHERE PRACTICAL DURING CONSTRUCTION, DISTURBED AREAS SHALL BE STABILIZED BY TEMPORARILY SEEDING OR MULCHING.
- 15. ALL DISTURBED AREAS TO BE LEFT DORMANT FOR MORE THAN 60 DAYS SHALL BE STABILIZED BY TEMPORARILY SEEDING OR MULCHING.
- 16. DEWATERING OPERATIONS, IF REQUIRED SHALL DISCHARGE ONTO STABILIZED AREAS AND ALL DISCHARGE WATER IS TO PASS THROUGH SEDIMENTATION CONTROL DEVICES TO PREVENT IMPACTS UPON THE WETLANDS RESOURCES, DRAINAGE SYSTEMS. AND ABUTTING PROPERTIES
- 17. ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE REMOVED IN THEIR ENTIRETY AFTER FINAL SITE STABILIZATION AND ISSUANCE OF THE FINAL CERTIFICATE OF COMPLIANCE BY THE CONSERVATION COMMISSION.
- 18. THE APPLICANT JS TO NOTIFY THE LEICESTER CONSERVATION COMMISSION ONCE THE JURISDICTIONAL WORK HAS BEEN COMPLETED AND 1H£ ENTIRE SITE HAS B££N PROPERLY STABILIZED. UPON APPROVAL OF THE WORK SUBJECT TD THE ORDER OF CONDITIONS. THE APPLICANT IS TO RECEIVE A CERTIFICATE OF COMPLIANCE: THAT IS TO BE RECORDED AT THE WORCESTER REGISTRY OF DEEDS.

SHEET A

**→**B8

iron ROD | //

1 /F

CHERR ' VALLEY WATER DISTRICT

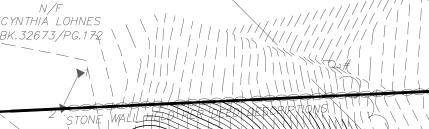
DIG SAFE

BEFORE YOU DIG

CALL 811 1-888-DIG-SAFE

1-888-344-7233





WASS. HIGAWAY

EMERGENCY ACCESS

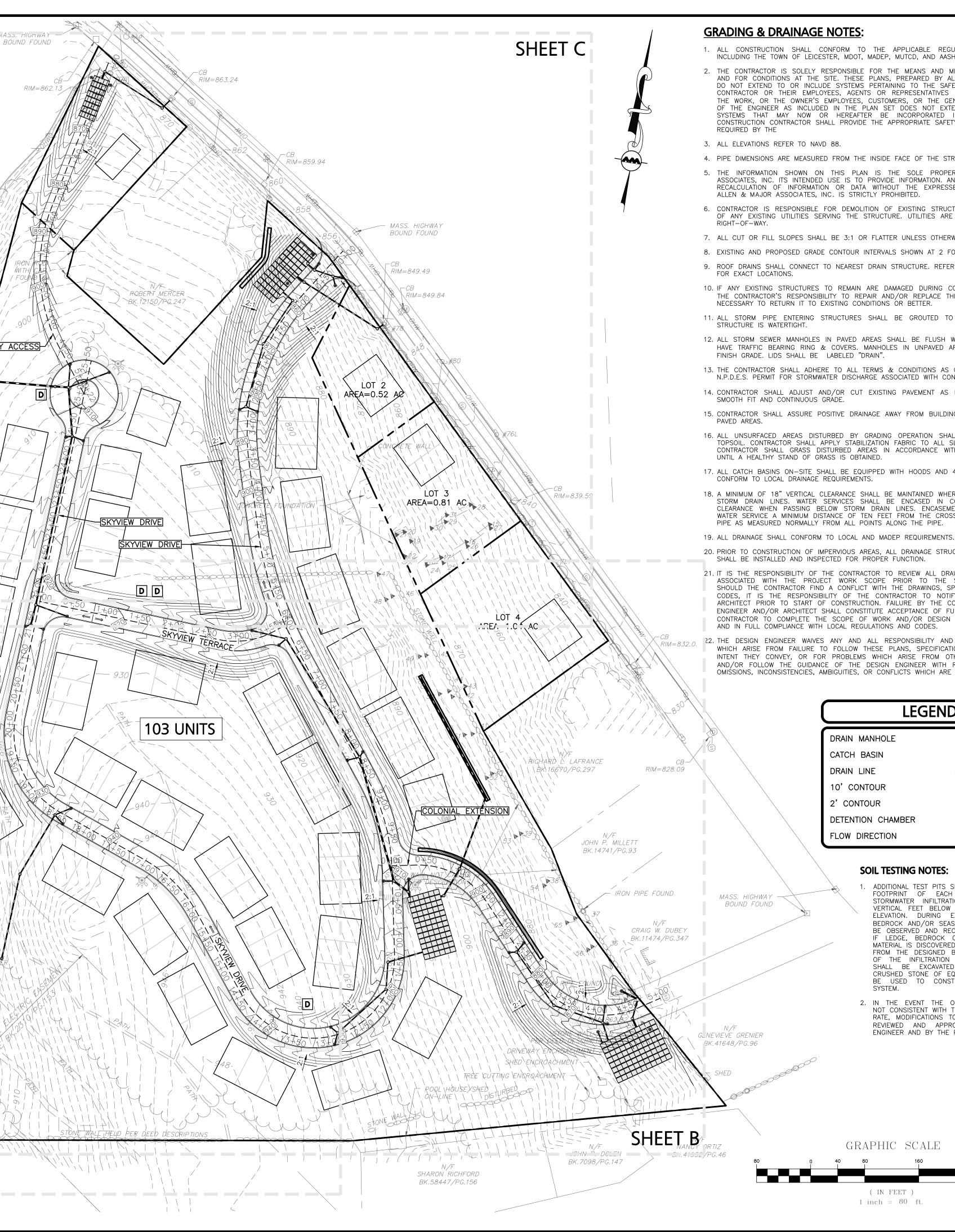
N/F

ROMAN CATHOLIC

31 SHOP OF WORCESTER

PL. BK. 25/PL. 4

RIM = 862.1.



## **GRADING & DRAINAGE NOTES:**

1. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS INCLUDING THE TOWN OF LEICESTER, MDOT, MADEP, MUTCD, AND AASHTO.

2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY ALLEN & MAJOR ASSOCIATES DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK, OR THE OWNER'S EMPLOYEES, CUSTOMERS, OR THE GENERAL PUBLIC. THE SEAL OF THE ENGINEER AS INCLUDED IN THE PLAN SET DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PROVIDE THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE

3. ALL ELEVATIONS REFER TO NAVD 88.

4. PIPE DIMENSIONS ARE MEASURED FROM THE INSIDE FACE OF THE STRUCTURE.

5. THE INFORMATION SHOWN ON THIS PLAN IS THE SOLE PROPERTY OF ALLEN & MAJOR ASSOCIATES, INC. ITS INTENDED USE IS TO PROVIDE INFORMATION. ANY ALTERATION, MISUSE, OR RECALCULATION OF INFORMATION OR DATA WITHOUT THE EXPRESSED, WRITTEN CONSENT OF ALLEN & MAJOR ASSOCIATES, INC. IS STRICTLY PROHIBITED.

6. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE

7. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.

8. EXISTING AND PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 2 FOOT

9. ROOF DRAINS SHALL CONNECT TO NEAREST DRAIN STRUCTURE. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS.

10. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.

11. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.

12. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "DRAIN".

13. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

14. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.

15. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND

16. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH COUNTY SPECIFICATIONS UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.

17. ALL CATCH BASINS ON-SITE SHALL BE EQUIPPED WITH HOODS AND 4 FOOT SUMPS AND SHALL CONFORM TO LOCAL DRAINAGE REQUIREMENTS.

18. A MINIMUM OF 18" VERTICAL CLEARANCE SHALL BE MAINTAINED WHERE WATER SERVICES CROSS STORM DRAIN LINES. WATER SERVICES SHALL BE ENCASED IN CONCRETE REGARDLESS OF CLEARANCE WHEN PASSING BELOW STORM DRAIN LINES. ENCASEMENT SHALL EXTEND ALONG WATER SERVICE A MINIMUM DISTANCE OF TEN FEET FROM THE CROSSING POINT OF THE OTHER PIPE AS MEASURED NORMALLY FROM ALL POINTS ALONG THE PIPE.

20. PRIOR TO CONSTRUCTION OF IMPERVIOUS AREAS, ALL DRAINAGE STRUCTURES, PIPES AND BASINS SHALL BE INSTALLED AND INSPECTED FOR PROPER FUNCTION.

21. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE START OF CONSTRUCTION SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DRAWINGS, SPECIFICATIONS, OR RELATIVE CODES, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT PRIOR TO START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AND/OR DESIGN INTENT OF THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.

RIM=832.0. 22. THE DESIGN ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS SPECIFICATIONS AND/OR THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE GUIDANCE OF THE DESIGN ENGINEER WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES, OR CONFLICTS WHICH ARE DISCOVERED OR ALLEGED.

LEGEND				
$\bigcirc$				
900				
896				
$\Rightarrow$				

#### SOIL TESTING NOTES:

ADDITIONAL TEST PITS SHALL BE DUG WITHIN THE FOOTPRINT OF EACH DRYWELL USED FOR STORMWATER INFILTRATION. A MINIMUM OF 2 VERTICAL FEET BELOW THE BOTTOM OF STONE ELEVATION. DURING EXCAVATION, DEPTHS TO BEDROCK AND/OR SEASONAL HIGH WATER SHALL BE OBSERVED AND RECORDED IF ENCOUNTERED. IF LEDGE, BEDROCK OR SIMILAR SUBSURFACE MATERIAL IS DISCOVERED WITHIN 2 VERTICAL FEET FROM THE DESIGNED BOTTOM STONE ELEVATION OF THE INFILTRATION SYSTEM, THE MATERIAL SHALL BE EXCAVATED AND REPLACED WITH CRUSHED STONE OF EQUAL DIAMETER THAT WILL BE USED TO CONSTRUCT THE INFILTRATION SYSTEM.

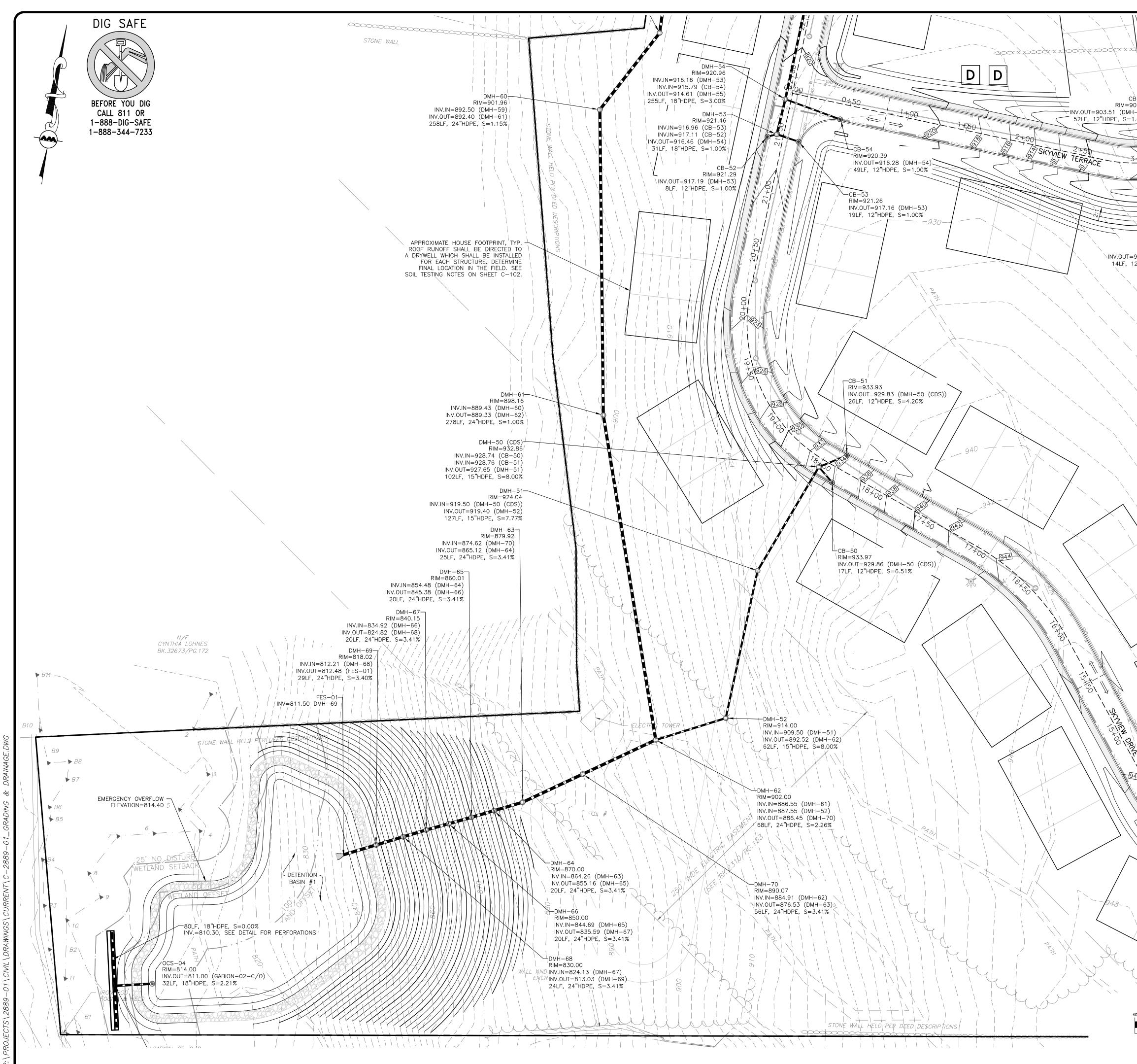
2. IN THE EVENT THE ON-SITE CONDITIONS ARE NOT CONSISTENT WITH THE MODELED INFILTRATION RATE, MODIFICATIONS TO THE SYSTEM MUST BE REVIEWED AND APPROVED BY THE TOWN'S ENGINEER AND BY THE PLANNING STAFF.

GRA	APHIC	SC	ALE		
8	0	16 	60 I		
1	$($ IN FEE inch = $\{$		t.		

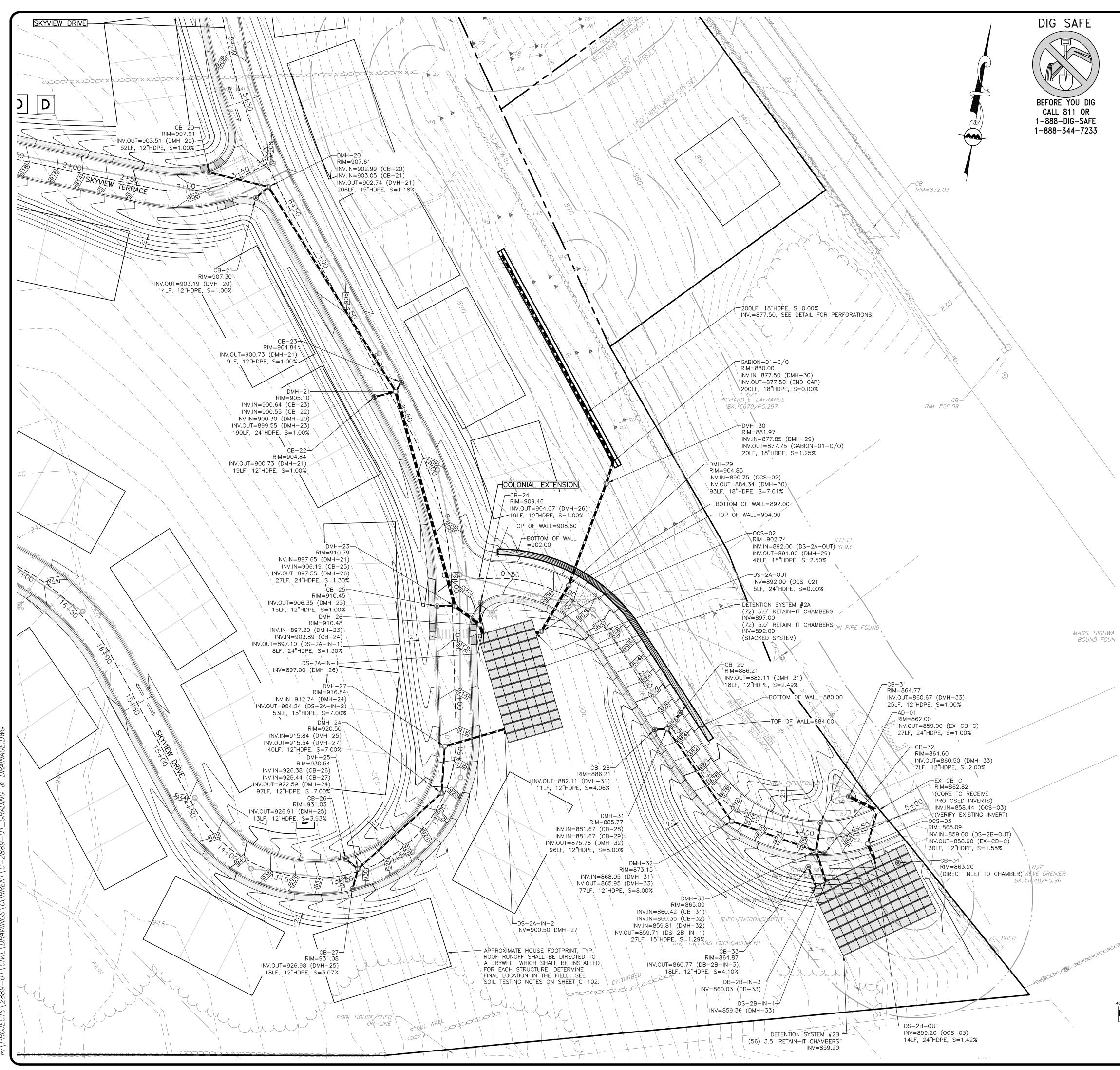
C	
KEY MAP	
<b>NOT TO SCALE</b>	
REQUIRED. SUBJECT TO A COVENANT TO	
BE RECORDED HEREWITH.	
DATE:	
LEICESTER PLANNING BOARD	
I CERTIFY THAT NO NOTICE OF APPEAL WAS RECEIVED DURING THE TWENTY (20)	
RECORDING DAYS NEXT AFTER RECEIPT AND OF NOTICE FROM THE PLANNING	
BOARD OF THE APPROVAL OF THIS PLAN	
TOWN CLERK – TOWN OF LEICESTER	
. Shin SLENN TOMIN OF LEIGESTEN	
ISSUED FOR REVIEW	
OCTOBER 5, 2021	
PROFESSIONAL ENGINEER FOR ALLEN & MAJOR ASSOCIATES, INC.	
	_
10-05-21         MISC. REVISIONS PER TOWN COMMENT	ITS
Image: Addition of the second seco	ITS
REV DATE DESCRIPTION APPLICANT:	ITS
REV DATE DESCRIPTION APPLICANT: MKEP 770 LLC	
REV DATE DESCRIPTION APPLICANT: MKEP 770 LLC 265 SUNRISE HIGHWAY, SUITE 1368	
REV DATE DESCRIPTION APPLICANT: MKEP 770 LLC 265 SUNRISE HIGHWAY, SUITE 1368 ROCKVILLE CENTER, NY 11570	
REV DATE DESCRIPTION APPLICANT: MKEP 770 LLC 265 SUNRISE HIGHWAY, SUITE 1368 ROCKVILLE CENTER, NY 11570 PROJECT:	
REV DATE DESCRIPTION APPLICANT: MKEP 770 LLC 265 SUNRISE HIGHWAY, SUITE 1368 ROCKVILLE CENTER, NY 11570 PROJECT: SKYVIEW ESTATES	
REV     DATE     DESCRIPTION       APPLICANT:     MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368       ROCKVILLE CENTER, NY 11570   PROJECT:       SKYVIEW ESTATES       RESIDENTIAL SUBDIVISION	
REV     DATE     DESCRIPTION       APPLICANT:     MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368       ROCKVILLE CENTER, NY 11570   PROJECT:       SKYVIEW ESTATES       RESIDENTIAL SUBDIVISION       MAIN STREET	
REV     DATE     DESCRIPTION       APPLICANT:     MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368       ROCKVILLE CENTER, NY 11570   PROJECT:       SKYVIEW ESTATES       RESIDENTIAL SUBDIVISION	
REV     DATE     DESCRIPTION       APPLICANT:     MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368       ROCKVILLE CENTER, NY 11570   PROJECT:       SKYVIEW ESTATES       RESIDENTIAL SUBDIVISION       MAIN STREET       LEICESTER, MA	3
REV     DATE     DESCRIPTION       APPLICANT:     MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368       ROCKVILLE CENTER, NY 11570   PROJECT:       SKYVIEW ESTATES       RESIDENTIAL SUBDIVISION       MAIN STREET	3
REV     DATE     DESCRIPTION       APPLICANT:     MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368       ROCKVILLE CENTER, NY 11570   PROJECT:       SKYVIEW ESTATES       RESIDENTIAL SUBDIVISION       MAIN STREET       LEICESTER, MA	3
REV     DATE     DESCRIPTION       APPLICANT:     MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368       ROCKVILLE CENTER, NY 11570   PROJECT:       SKYVIEW ESTATES       RESIDENTIAL SUBDIVISION       MAIN STREET       LEICESTER, MA   PROJECT NO. 2889-01       DATE     09-17-2	3 21 ge
REV       DATE       DESCRIPTION         APPLICANT:       MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368         ROCKVILLE CENTER, NY 11570       ROCKVILLE CENTER, NY 11570         PROJECT:       SKYVIEW ESTATES         RESIDENTIAL SUBDIVISION       MAIN STREET         LEICESTER, MA       09-17-2         SCALE:       1" = 80'       DWG. : C288901_Grading & Draina	3 21 ge
REV       DATE       DESCRIPTION         APPLICANT:       MKEP 770 LLC       MKEP 770 LLC         265 SUNRISE HIGHWAY, SUITE 1368       ROCKVILLE CENTER, NY 11570         PROJECT:       SKYVIEW ESTATES         RESIDENTIAL SUBDIVISION         MAIN STREET         LEICESTER, MA         PROJECT NO.       2889-01         DATE:       09-17-2         SCALE:       1" = 80'         DESIGNED BY:       SM         CHECKED BY:       MAIN	3 21 ge
REV       DATE       DESCRIPTION         APPLICANT:       MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368         ROCKVILLE CENTER, NY 11570       ROJECT:         SKYVIEW ESTATES       SKYVIEW ESTATES         RESIDENTIAL SUBDIVISION       MAIN STREET         LEICESTER, MA       09-17-2         SCALE:       1" = 80'       DWG. : C288901_Grading & Draina         DESIGNED BY:       SM       CHECKED BY:       MAI	3 21 ge
REV       DATE       DESCRIPTION         APPLICANT:       MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368         ROCKVILLE CENTER, NY 11570       ROJECT:         SKYVIEW ESTATES       SKYVIEW ESTATES         RESIDENTIAL SUBDIVISION       MAIN STREET         LEICESTER, MA       09-17-2         SCALE:       1" = 80'       DWG. : C288901_Grading & Draina         DESIGNED BY:       SM       CHECKED BY:       MAI	3 21 ge
REV     DATE     DESCRIPTION       APPLICANT:     MKEP 770 LLC     265 SUNRISE HIGHWAY, SUITE 1368       ROCKVILLE CENTER, NY 11570     PROJECT:       SKYVIEW ESTATES     SKIDENTIAL SUBDIVISION       MAIN STREET     LEICESTER, MA       PROJECT NO.     2889-01       DATE:     09-17-2       SCALE:     1" - 80'       DWG. : C288901_Grading & Draina       DESIGNED BY:     SM       CHECKED BY:     MAIN	3 21 ge
REV     DATE     DESCRIPTION       APPLICANT:     MKEP 770 LLC     265 SUNRISE HIGHWAY, SUITE 1368       ROCKVILLE CENTER, NY 11570     PROJECT:       SKYVIEW ESTATES     SKIDENTIAL SUBDIVISION       MAIN STREET     LEICESTER, MA       PROJECT NO.     2889-01       DATE:     09-17-2       SCALE:     1" - 80'       DWG. : C288901_Grading & Draina       DESIGNED BY:     SM       CHECKED BY:     MAIN	3 21 ge
REV       DATE       DESCRIPTION         APPLICANT:       MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368         ROCKVILLE CENTER, NY 11570       ROCKVILLE CENTER, NY 11570         PROJECT:       SKYVIEW ESTATES         RESIDENTIAL SUBDIVISION       MAIN STREET         LEICESTER, MA       D9-17-2         SCALE:       1" - 80'         DESIGNED BY:       SM         CHECKED BY:       SM         CHECKED BY:       MAIN STREET         DESIGNED BY:       SM         CHECKED BY:       MAIN	3 21 ge
REV DATE DESCRIPTION APPLICANT: MKEP 770 LLC 265 SUNRISE HIGHWAY, SUITE 1368 ROCKVILLE CENTER, NY 11570 PROJECT: SKYVIEW ESTATES RESIDENTIAL SUBDIVISION MAIN STREET LEICESTER, MA PROJECT NO. 2889-01 DATE: 09-17-2 SCALE: 1" - 80' DWG. : C2889-01_Grading & Draina DESIGNED BY: SM CHECKED BY: MA PREPARED BY: PREPARED BY: ALLEN & MAJOR ASSOCIATES, INC.	3 21 ge
REV       DATE       DESCRIPTION         APPLICANT:       MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368 ROCKVILLE CENTER, NY 11570         PROJECT:       SKYVIEW ESTATES         RESIDENTIAL SUBDIVISION MAIN STREET       LEICESTER, MA         PROJECT NO.       2889-01       DATE:       09-17-2         SCALE:       1" - 80'       DWG. : C288901_Grading & Draina         DESIGNED BY:       SM       CHECKED BY:       MAIN         PREPARED BY:       SM       CHECKED BY:       MAIN	3 21 ge M
REV       DATE       DESCRIPTION         APPLICANT:       MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368 ROCKVILLE CENTER, NY 11570         PROJECT:       SKYVIEW ESTATES RESIDENTIAL SUBDIVISION MAIN STREET LEICESTER, MA         PROJECT NO.       2889-01       DATE:       09-17-2         SCALE:       1" - 80'       DWG. : C288901_Grading & Draina         DESIGNED BY:       SM       CHECKED BY:       MAIN         PREPARED BY:       SM       CHECKED BY:       MAIN	3 21 ge M
REV DATE DESCRIPTION APPLICANT: MKEP 770 LLC 265 SUNRISE HIGHWAY, SUITE 1368 ROCKVILLE CENTER, NY 11570 PROJECT: SKYVIEW ESTATES RESIDENTIAL SUBDIVISION MAIN STREET LEICESTER, MA PROJECT NO. 2889-01 DATE: 09-17-2 SCALE: 1"-80' DWG.: C2889-01_Grading & Draina DESIGNED BY: SM CHECKED BY: MAI PREPARED BY: ALLEN & MAJOR ASSOCIATES, INC. civil engineering • land surveying environmental consulting	3 21 ge M
REV DATE DESCRIPTION APPLICANT: MKEP 770 LLC 265 SUNRISE HIGHWAY, SUITE 1368 ROCKVILLE CENTER, NY 11570 PROJECT: SKYVIEW ESTATES RESIDENTIAL SUBDIVISION MAIN STREET LEICESTER, MA PROJECT NO. 2889-01 DATE: 09-17-2 SCALE: 1" - 80' DWG. : C288901_Grading & Draina DESIGNED BY: SM CHECKED BY: MA PREPARED BY: SM CHECKED BY: MA PREPARED BY: CHECKED BY: MA ALLEN & MAJOR ASSOCIATES, INC. civil engineering + land surveying environmental consulting + land + lan	3 21 ge M
REV DATE DESCRIPTION APPLICANT: MKEP 770 LLC 265 SUNRISE HIGHWAY, SUITE 1368 ROCKVILLE CENTER, NY 11570 PROJECT: SKYVIEW ESTATES RESIDENTIAL SUBDIVISION MAIN STREET LEICESTER, MA PROJECT NO. 2889-01 DATE: 09-17-2 SCALE: 1"-80 DWG.: C288901_Grading & Draina DESIGNED BY: SM CHECKED BY: MA PREPARED BY: PREPARED BY: ALLEN & MAJOR ASSOCIATES, INC. civil engineering • land surveying environmental consulting • landscape architectur w w w · a l l c n m a j o r · c o m 100 COMMERCE WAY, SUITE 5 WOBURN MA 01801 TEL: (781) 935-6889	3 21 ge M
REV       DATE       DESCRIPTION         APPLICANT:       MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368 ROCKVILLE CENTER, NY 11570         PROJECT:       SKYVIEW ESTATES         RESIDENTIAL SUBDIVISION       MAIN STREET         LEICESTER, MA       MAIN STREET         PROJECT NO.       2889-01         DATE:       09-17:         SCALE:       1* - 80         DESIGNED BY:       SM         CHECKED BY:       MA         PREPARED BY:       SM         CLICE N & NAJOR         ALLE N & MAJOR         ASSOCIATES, INCC.         civil engineering + land surveying         environmental consulting + landscape architectur         w w w . a 11 e n m a j o r. c o m         100 COMMERCE WAY, SUITE 5         WOBURN MA 01801         TEL: (781) 935-6889         FAX: (781) 935-2896	З З де М
REV       DATE       DESCRIPTION         APPLICANT:       MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368 ROCKVILLE CENTER, NY 11570         PROJECT:       SKYVIEW ESTATES         RESIDENTIAL SUBDIVISION       MAIN STREET         LEICESTER, MA       MAIN STREET         PROJECT NO.       2889-01       DATE:       09-17-2         SCALE:       1" = 80'       DWG.: C288901_Grading & Draina         DESIGNED BY:       SM       CHECKED BY:       MAIN         PREPARED BY:       SM       CHECKED S, LINCC.       civil engineering • land surveying         environmental consulting • landscape architecture	З З 21 ge M
REV       DATE       DESCRIPTION         APPLICANT:       MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368         ROCKVILLE CENTER, NY 11570       PROJECT:       SKYVIEW ESTATES         RESIDENTIAL SUBDIVISION       MAIN STREET       LEICESTER, MA         PROJECT NO.       2889-01       DATE:       09-17-2         SCALE:       1" - 80'       DWG.: C288901_Grading & Draina         DESIGNED BY:       SM       CHECKED BY:       MAIN         PREPARED BY:       SM       CHECKED BY:       MAIN         PREPARED BY:       SM       CHECKED BY:       MAIN         OCOMMERCE WAY, SUITE 1       SCALE       1" - 80'       DWG.: C288901_Grading & Draina         DESIGNED BY:       SM       CHECKED BY:       MAIN         PREPARED BY:       SM       CHECKED BY:       MAIN         OCOMMERCE WAY, SUITE 5       WOBURN MA 01801       TEL: (781) 935-6889       FAX: (781) 935-2896         WOBURN, MA + LAKEVILLE, MA + MANCHESTER, N       THIS DRAWING HAS BEEN PREPARED IN DIGITAL FORMAY       CHENTER REPRESENTATIVE OR CONSULTANTS MAY BE	З З де н т.в.R.
REV       DATE       DESCRIPTION         APPLICANT:       MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368 ROCKVILLE CENTER, NY 11570         PROJECT:       SKYVIEW ESTATES         RESIDENTIAL SUBDIVISION       MAIN STREET         LEICESTER, MA       MAIN STREET         PROJECT NO.       2889-01         DATE:       09-17-2         SCALE:       1" - 80'         DVG.:       C288901_Grading & Draina         DESIGNED BY:       SM         CHECKED BY:       MAIN         PREPARED BY:       SM         CLICE N & MAJOR       ALLE N & MAJOR         ASSOCIATES, INCC.       civil engineering + land surveying         environmental consulting + landscape architectur       w w w + a 1 l e m a j o r + c o m         WOBURN, MA + LAKEVILLE, MA + MANCHESTER, N         THEL: (781) 935-6889       FAX: (781) 935-2896         WOBURN, MA + LAKEVILLE, MA + MANCHESTER, N	В 21 ge M
REV       DATE       DESCRIPTION         APPLICANT:       MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368         ROCKVILLE CENTER, NY 11570       PROJECT:       SKYVIEW ESTATES         PROJECT:       SKYVIEW ESTATES         RESIDENTIAL SUBDIVISION       MAIN STREET         LEICESTER, MA       DATE:       09-17-2         PROJECT NO.       2889-01       DATE:       09-17-2         SCALE:       1* - 80'       DWG.:       C288901_Grading & Draina         DESIGNED BY:       SM       CHECKED BY:       MAI         PREPARED BY:       SM       CHECKED BY:       MAI         PROJECT:       Image: SM       CHECKED BY:       MAI         PREPARED BY:       SM       CHECKED BY:       MAI         PREPARED BY:       SM       CHECKED BY:       MAI         PROJECT:       Image: SM       CHECKED BY:       MAI         PROVIDED COMESTING:       SM       SMAIN STREET       SMAIN STREET         LINE:       (781) 935-6889       FAX: (781) 935-2896<	B 21 ge M T.E.R.IEDS, SR
REV       DATE       DESCRIPTION         APPLICANT:       MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368         ROCKVILLE CENTER, NY 11570       PROJECT:       SKYVIEW ESTATES         RESIDENTIAL SUBDIVISION       MAIN STREET         LEICESTER, MA       DATE:       09-17-3         PROJECT NO.       2889-01       DATE:       09-17-3         SCALE:       1* - 80'       DWG.:       C288901_Grading & Draina         DESIGNED BY:       SM       CHECKED BY:       MAIN         PROJECT NO.       2889-01       DATE:       09-17-3         SCALE:       1* - 80'       DWG.:       C288901_Grading & Draina         DESIGNED BY:       SM       CHECKED BY:       MAIN         PREPARED BY:       SM       CHECKED BY:       MAIN         PREPARED BY:       SM       CHECKED BY:       MAIN         PREPARED BY:       SM       CHECKED BY:       MAIN         VOBURN MA 1 I e n m a j o r . c o m       100 COMMERCE WAY, SUITE 5       WOBURN MA 01801         TEL:       (781) 935-6889       FAX: (781) 935-2896       FAX: (781) 935-2896         WOBURN, MA + LAKEVILLE, MA + MANCHESTER, N       THIS DRAWING HAS BEEN PREPARED IN DIGITAL FORMAT CUENT THE PROVIDED OF THE PROVIDED INFORMATION MAY BE MODIFIE	B I I E R IE D S, S R D
REV       DATE       DESCRIPTION         APPLICANT:       MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368 ROCKVILLE CENTER, NY 11570         PROJECT:       SKYVIEW ESTATES         RESIDENTIAL SUBDIVISION       MAIN STREET         LEICESTER, MA         PROJECT NO.       2889-01         DATE:       09-17-2         SCALE:       1* - 80'         DWG. : C288901_Grading & Draina         DESIGNED BY:       SM         CHECKED BY:       MAIN         PREPARED BY:       CHECKED BY:         MAIN STREES, LINC.       civil engineering • land surveying         environmental consulting • land surveying       environmental consulting • land surveying         environmental consulting • landscape architecturing www.w.allenmajor.com       100 COMMERCE WAY, SUITE 5         WOBURN, MA • LAKEVILLE, MA • MANCHESTER, N         THIS DRAWING HAS BEEN PREPARED IN DIGITAL FORMATION AND/OR SPECIFICATIONS FOR HIS/HE         WOBURN, MA • LAKEVILLE, MA • MANCHESTER, N         THIS DRAWING HAS BEEN PREPARED IN DIGITAL FORMATION AND BE DOCUMENT FORMATION MAY BE MODIFIE         UNINTENTIONALLY OR OTHERWISE, ALLEN & MAIOR ASSOCIATE         UNINTENTIONALLY OR OTHERWISE, ALLEN & MAIOR ASSOCIATE, INC. SWORK PRODUCT.	B I I E R IE D S, S R D
REV       DATE       DESCRIPTION         APPLICANT:       MKEP 770 LLC       265 SUNRISE HIGHWAY, SUITE 1368         ROCKVILLE CENTER, NY 11570       PROJECT:       SKYVIEW ESTATES         RESIDENTIAL SUBDIVISION       MAIN STREET         LEICESTER, MA       DATE:       09-17-3         PROJECT NO.       2889-01       DATE:       09-17-3         SCALE:       1* - 80'       DWG.:       C288901_Grading & Draina         DESIGNED BY:       SM       CHECKED BY:       MAIN         PROJECT NO.       2889-01       DATE:       09-17-3         SCALE:       1* - 80'       DWG.:       C288901_Grading & Draina         DESIGNED BY:       SM       CHECKED BY:       MAIN         PREPARED BY:       SM       CHECKED BY:       MAIN         PREPARED BY:       SM       CHECKED BY:       MAIN         PREPARED BY:       SM       CHECKED BY:       MAIN         VOBURN MA 1 I e n m a j o r . c o m       100 COMMERCE WAY, SUITE 5       WOBURN MA 01801         TEL:       (781) 935-6889       FAX: (781) 935-2896       FAX: (781) 935-2896         WOBURN, MA + LAKEVILLE, MA + MANCHESTER, N       THIS DRAWING HAS BEEN PREPARED IN DIGITAL FORMAT CUENT THE PROVIDED OF THE PROVIDED INFORMATION MAY BE MODIFIE	B I I E R IE D S, S R D

Copyright©2021 Allen & Major Associates, Inc. All Rights Reserved

7 OF 22



	C
CATCH BASIN	AB
DRAIN LINE         900           10' CONTOUR         900	
2' CONTOUR	
TLOW DIRECTION →	KEY MAP NOT TO SCALE
	APPROVAL UNDER SUBDIVISION CONTROL REQUIRED. SUBJECT TO A COVENANT TO BE RECORDED HEREWITH.
	DATE:
CB-21- RIM=907.30	
=903.19 (DMH-20) 12"HDPE, S=1.00%	
CB-23- RIM=904.84 INV.OUT=900.73 (DMH-21)	LEICESTER PLANNING BOARD
9LF, 12"HDPE, S=1.00%	I CERTIFY THAT NO NOTICE OF APPEAL WAS RECEIVED DURING THE TWENTY (20) RECORDING DAYS NEXT AFTER RECEIPT
DMH-21 RIM=905.10 INV.IN=900.64 (CB-23)	AND OF NOTICE FROM THE PLANNING BOARD OF THE APPROVAL OF THIS PLAN
INV.IN=900.55 (CB-22) INV.IN=900.30 (DMH-20) INV.OUT=899.55 (DMH-23) 190LF, 24"HDPE, S=1.00%	TOWN CLERK - TOWN OF LEICESTER
CB-22 RIM=904.84	DEFINITIVE
INV.OUT=900.73 (DMH-21) 19LF, 12"HDPE, S=1.00%	ISSUED FOR REVIEW OCTOBER 5, 2021
	PROFESSIONAL ENGINEER FOR
	ALLEN & MAJOR ASSOCIATES, INC.
DMH-23 RIM=910.79 INV.IN=897.65 (DMH-21) INV.IN=906.19 (CB-25)	
INV.OUT=897.55 (DMH-26) 27LF, 24"HDPE, S=1.30% CB-25 RIM=910.45	10-05-21 MISC. REVISIONS PER TOWN COMMENTS
INV.OUT=906.35 (DMH-23) 15LF, 12"HDPE, S=1.00% DMH-26 RIM=910.48	REV     DATE     DESCRIPTION       APPLICANT:
INV.IN=897.20 (DMH-23) INV.IN=903.89 (CB-24) INV.OUT=897.10 (DS-2A-IN-1)	MKEP 770 LLC 265 SUNRISE HIGHWAY, SUITE 1368
BLF, 24"HDPE, S=1.30%	ROCKVILLE CENTER, NY 11570 PROJECT:
2. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS INCLUDING THE TOWN OF LEICESTER, MDOT, MADEP, MUTCD, AND AASHTO.	SKYVIEW ESTATES RESIDENTIAL SUBDIVISION
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY ALLEN & MAJOR ASSOCIATES DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION	MAIN STREET LEICESTER, MA
CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK, OR THE OWNER'S EMPLOYEES, CUSTOMERS, OR THE GENERAL PUBLIC. THE SEAL OF THE ENGINEER AS INCLUDED IN THE PLAN SET DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT	PROJECT NO. 2889-01 DATE: 09-17-21
MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PROVIDE THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE	SCALE: 1" = 40' DWG. : C2889-01_Grading & Drainage
<ul> <li>4. ALL ELEVATIONS REFER TO NAVD 88.</li> <li>5. THE CONTRACTOR SHALL ADHERE TO ALL TERMS &amp; CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.</li> </ul>	DESIGNED BY:     SM     CHECKED BY:     MAM       PREPARED BY:
<ul> <li>6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE START OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A</li> </ul>	
CONFLICT WITH THE DRAWINGS, SPECIFICATIONS, OR RELATIVE CODES, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT PRIOR TO START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT SHALL	ALLEN & MAJOR
CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AND/OR DESIGN INTENT OF THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.	ASSOCIATES, INC.
7. THE DESIGN ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS, AND/OR THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR	civil engineering ◆ land surveying environmental consulting ◆ landscape architecture w w w . a l l e n m a j o r . c o m 100 COMMERCE WAY, SUITE 5
FOLLOW THE GUIDANCE OF THE DESIGN ENGINEER WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES, OR CONFLICTS WHICH ARE DISCOVERED OR ALLEGED.	WOBURN MA 01801 TEL: (781) 935-6889 FAX: (781) 935-2896
$\Delta$	WOBURN, MA  ← LAKEVILLE, MA  ← MANCHESTER, NH THIS DRAWING HAS BEEN PREPARED IN DIGITAL FORMAT. CLIENT/CLIENT'S DEODESENTATIVE OF CONSULTANTS MAY BE
	CLIENT/CLIENT'S REPRESENTATIVE OR CONSULTANTS MAY BE PROVIDED COPIES OF DRAWINGS AND SPECIFICATIONS FOR HIS/HER INFORMATION AND/OR SPECIFIC USE ON THIS PROJECT. DUE TO THE POTENTIAL THAT THE PROVIDED INFORMATION MAY BE MODIFIED UNINTENTIONALLY OR OTHERWISE ALLEN & MAJOR ASSOCIATES
GRAPHIC SCALE	UNINTENTIONALLY OR OTHERWISE, ALLEN & MAJOR ASSOCIATES, INC. MAY REMOVE ALL INDICATION OF THE DOCUMENT'S AUTHORSHIP ON THE DIGITAL MEDIA. PRINTED REPRESENTATIONS OR PORTABLE DOCUMENT FORMAT OF THE DRAWINGS AND SPECIFICATIONS ISSUED SHALL BE THE ONLY RECORD COPIES OF
40 0 20 40 80 160	SPECIFICATIONS ISSUED SHALL BE THE ONLY RECORD COPIES OF         ALLEN & MAJOR ASSOCIATES, INC.'S WORK PRODUCT.         DRAWING TITLE:       SHEET NO.
( IN FEET $)1 inch = 40 ft.$	GRADING & DRAINAGE PLAN
	Copyright©2021 Allen & Major Associates, Inc. 8 OF 22 All Rights Reserved



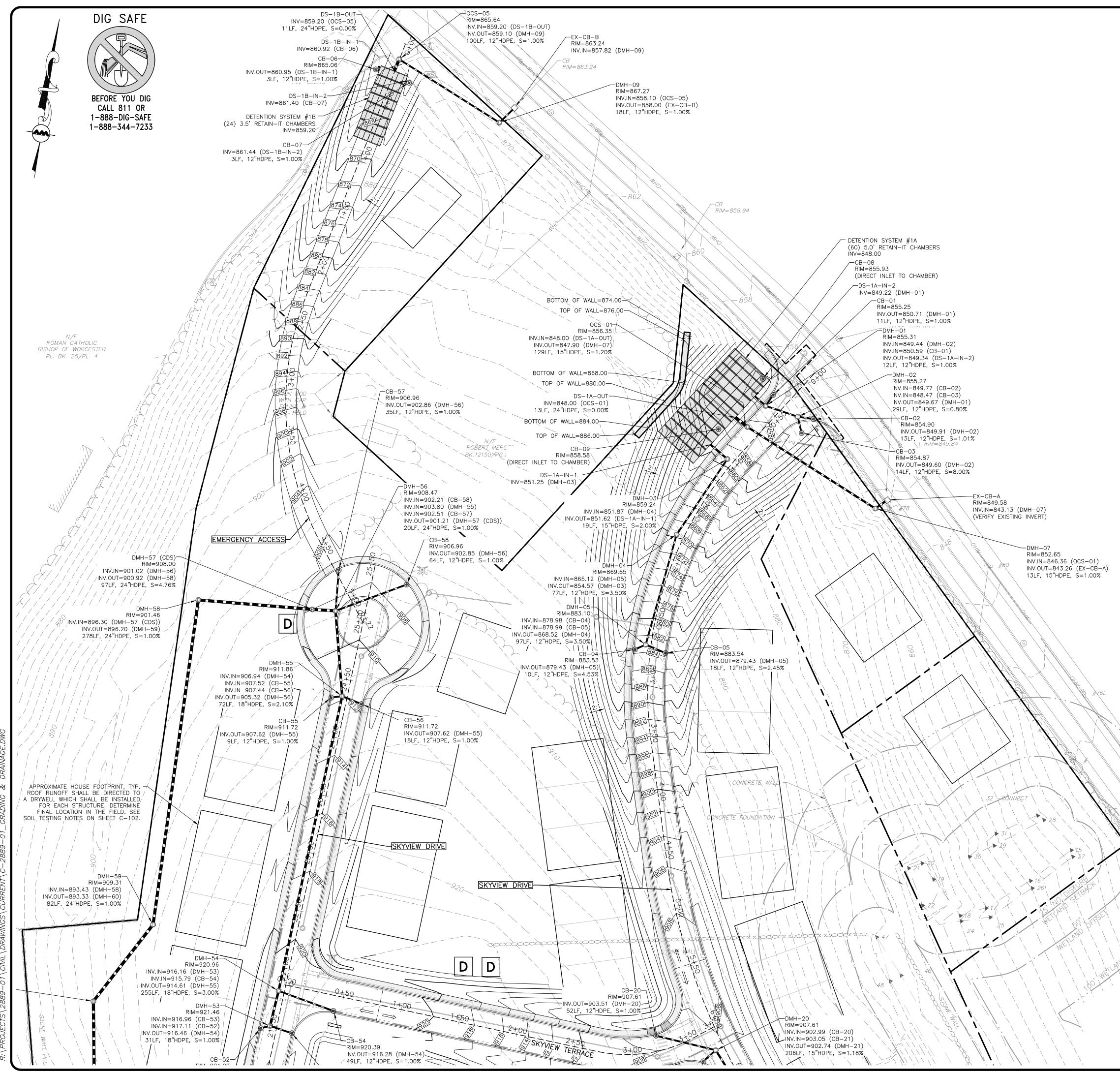
DRAIN MANHOLE	$\bigcirc$
CATCH BASIN	
DRAIN LINE	
10' CONTOUR	900
2' CONTOUR	896
DETENTION CHAMBER	
FLOW DIRECTION	$\Rightarrow$

### **GRADING & DRAINAGE NOTES:**

- 1. REFER TO SHEET C-102 FOR ADDITIONAL COMPLIANCE INFORMATION.
- 2. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS INCLUDING THE TOWN OF LEICESTER, MDOT, MADEP, MUTCD, AND AASHTO.
- 3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY ALLEN & MAJOR ASSOCIATES DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK, OR THE OWNER'S EMPLOYEES, CUSTOMERS, OR THE GENERAL PUBLIC. THE SEAL OF THE ENGINEER AS INCLUDED IN THE PLAN SET DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PROVIDE THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE
- 4. ALL ELEVATIONS REFER TO NAVD 88.
- 5. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- 6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE START OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DRAWINGS, SPECIFICATIONS, OR RELATIVE CODES, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT PRIOR TO START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AND/OR DESIGN INTENT OF THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
- 7. THE DESIGN ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS, AND/OR THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE GUIDANCE OF THE DESIGN ENGINEER WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES, OR CONFLICTS WHICH ARE DISCOVERED OR ALLEGED.
- 8. AREA DRAINS SHALL BE MINIUM 24" NYLOPLAST STRUCTURES WITH BEEHIVE GRATES AND 4' SUMPS.

		G	RAPHI	C SCALE	
40	0	20	40 	80	160
				FEET ) = 40 ft.	

		NOT TO	MAP Discale	B
REQUI	RED. SU ECORDED	BJECT	TO A COVEN	
WAS F RECOF AND ( BOARE	TIFY THA RECEIVED RDING DA DF NOTIC D OF THI	T NO DURI AYS NE E FRC E APPI	ANNING BOAR NOTICE OF A NG THE TWEN EXT AFTER RI OM THE PLAN ROVAL OF TH	APPEAL NTY (20) ECEIPT INING IIS PLAN
PROFE	SSUE OCT	D FC OBE	<b>IITIVE</b> <b>DR REVIE</b> <b>R 5, 2021</b> EER FOR OCIATES, INC	
<u>1</u> 1 <b>REV</b>	10-05-21 DATE		REVISIONS PER T	OWN COMMENTS
265		E HIC	GHWAY, SU ER, NY 11	
	DENT M		ESTATE SUBDIV STREET ER, MA	
PROJECT NC		889-01 <b>" =</b> 40'	DATE:	09-17-21 01_Grading & Drainage
DESIGNED B		SM	CHECKED BY:	- • •
ASS civi environme w	SOC l engine ntal cons w w . a l 100 COM WC TE FA	IA' eering sulting l e n MERCH OBURN L: (781 X: (781	• land surve • land surve • land surve • land scape m a j o r . c • WAY, SUITE MA 01801 ) 935-6889 ) 935-2896	INC. eying architecture om 5
THIS DRAWIN CLIENT/CLIENT PROVIDED COP INFORMATION POTENTIAL TH UNINTENTIONA INC. MAY F AUTHORSHIP C PORTABLE DO SPECIFICATION	NG HAS I I'S REPRESE PIES OF DRA AND/OR SP AT THE PRO ALLY OR OT REMOVE A DN THE DIGI OCUMENT S ISSUED S	BEEN PI INTATIVE WINGS / ECIFIC U OVIDED   ITHERWIS LL INDI TAL MED FORMA IHALL BI	REPARED IN DIA OR CONSULT/ AND SPECIFICATIC SE ON THIS PROJI INFORMATION M/ E, ALLEN & MAJ CATION OF TH DIA. PRINTED REPR	DNS FOR HIS/HER ECT. DUE TO THE AY BE MODIFIED OR ASSOCIATES, IE DOCUMENT'S ESENTATIONS OR RAWINGS AND CORD COPIES OF
	nitle: DING & PL/		INAGE	SHEET No.
	ht©2021 Allen	0		9 OF 22



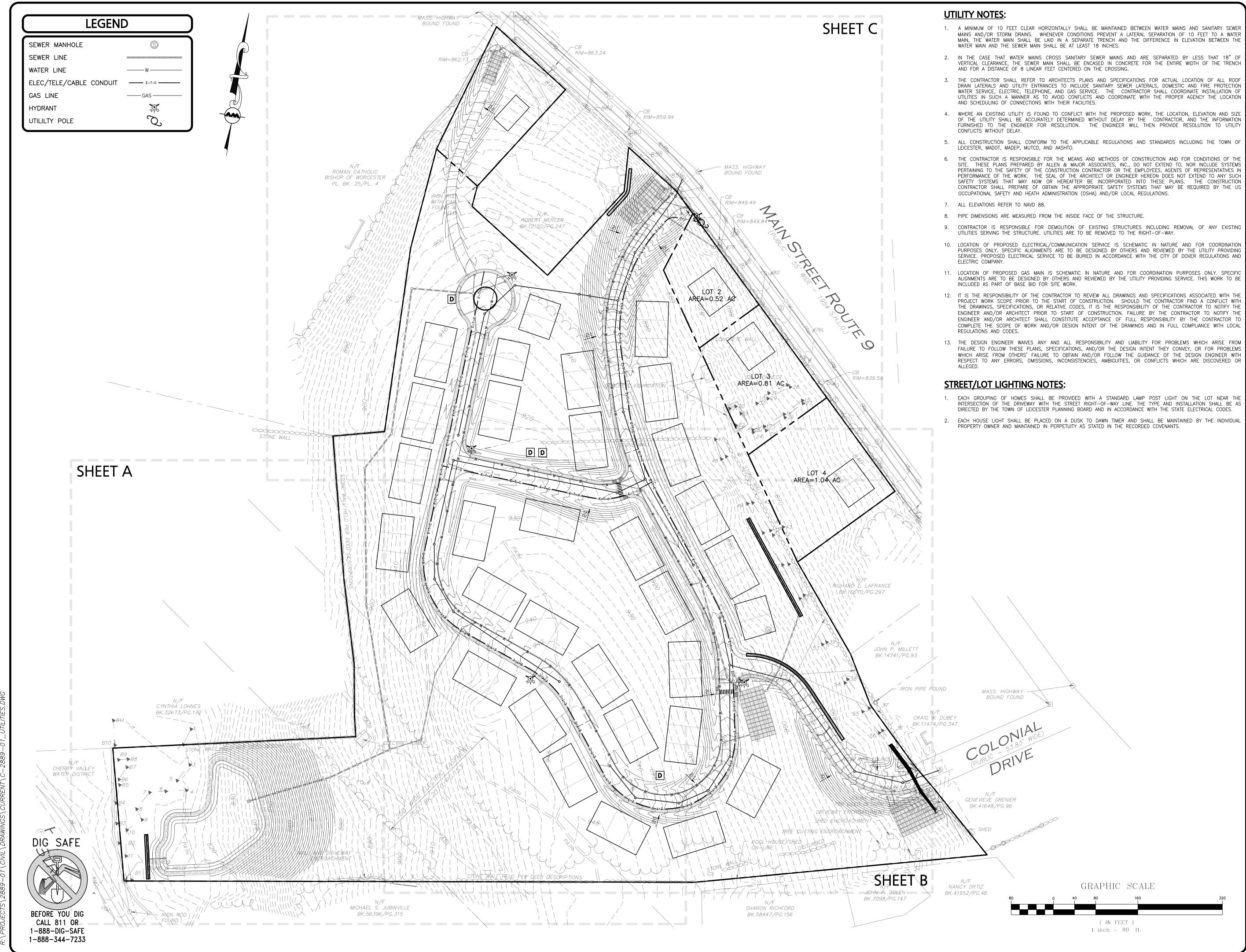
DRAIN MANHOLE	$\bigcirc$
CATCH BASIN	
DRAIN LINE	
10' CONTOUR	900
2' CONTOUR	
DETENTION CHAMBER	
FLOW DIRECTION	$\Rightarrow$

## **GRADING & DRAINAGE NOTES:**

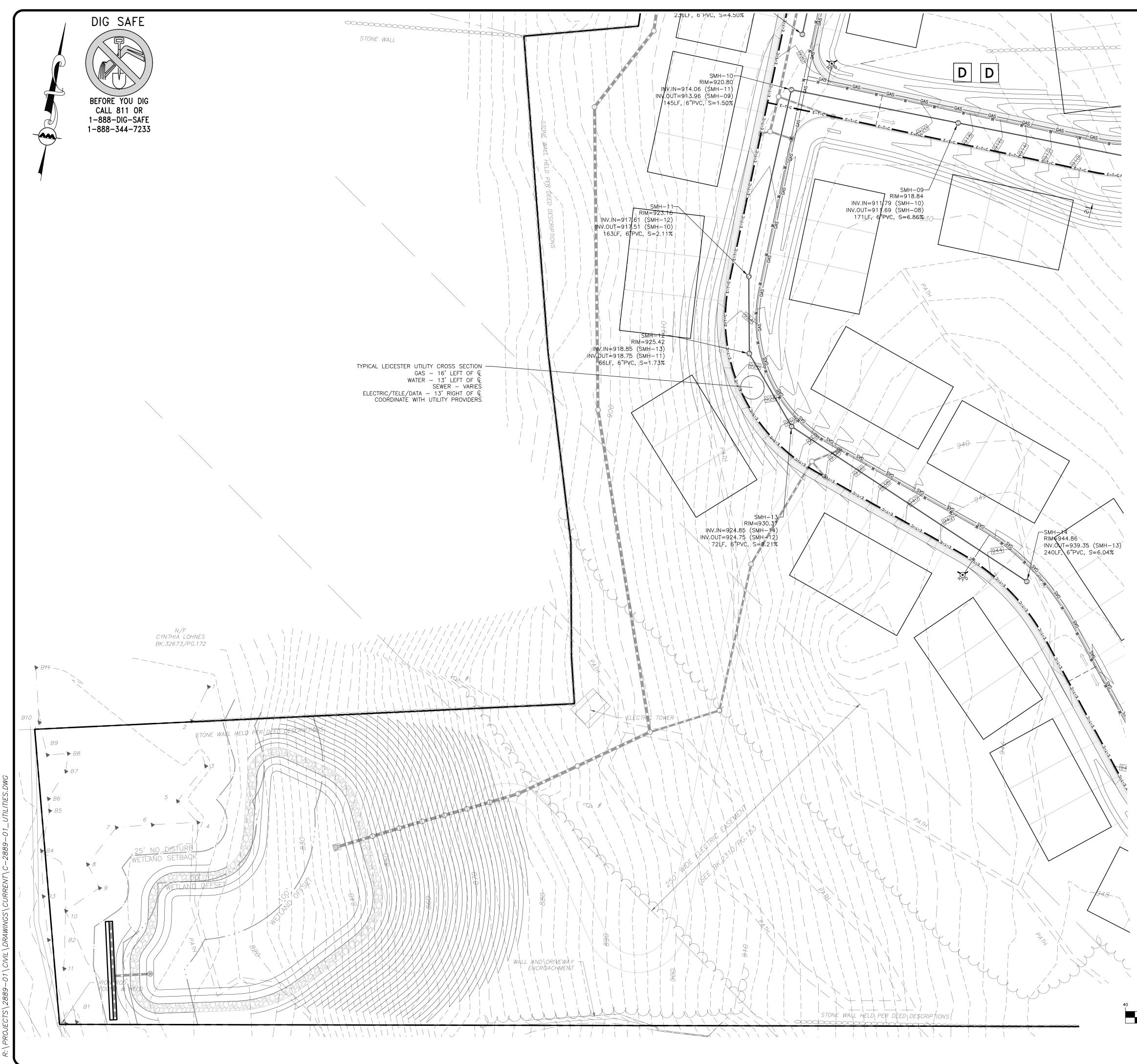
- 1. REFER TO SHEET C-102 FOR ADDITIONAL COMPLIANCE INFORMATION.
- 2. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS INCLUDING THE TOWN OF LEICESTER, MDOT, MADEP, MUTCD, AND AASHTO.
- 3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY ALLEN & MAJOR ASSOCIATES DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK, OR THE OWNER'S EMPLOYEES, CUSTOMERS, OR THE GENERAL PUBLIC. THE SEAL OF THE ENGINEER AS INCLUDED IN THE PLAN SET DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PROVIDE THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE
- 4. ALL ELEVATIONS REFER TO NAVD 88.
- 5. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- 6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE START OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DRAWINGS, SPECIFICATIONS, OR RELATIVE CODES, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT PRIOR TO START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AND/OR DESIGN INTENT OF THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
- 7. THE DESIGN ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS, AND/OR THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE GUIDANCE OF THE DESIGN ENGINEER WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES, OR CONFLICTS WHICH ARE DISCOVERED OR ALLEGED.

0	20	RAPHIC	C SCALE	1
		( IN F 1 inch =		

A		-	MAP	B
REG BE		BJECT	UBDIVISION C TO A COVEN WITH.	
WAS REC ANE BOA	ERTIFY THA S RECEIVED ORDING D OF NOTION RD OF TH	AT NO DURI AYS NE CE FRC E APP K – T	ANNING BOAF NOTICE OF A NG THE TWEI EXT AFTER R DM THE PLAN ROVAL OF TH	APPEAL NTY (20) ECEIPT INING HIS PLAN
	ISSUE OC <sup>-</sup> FESSIONAL		EER FOR OCIATES, INC	<b>w</b>
	10-05-21	MISC.	REVISIONS PER T	OWN COMMENTS
265 RO	EP 770 I 5 SUNRIS CKVILLE	LC Se hic	GHWAY, SU ER, NY 11	
PROJECT:	SKYV SIDENT M		ESTATE SUBDIV STREET ER, MA	-
PROJECT SCALE: DESIGNEI	D BY:	2889-01 1" = 40' SM	DATE: DWG. : C28894 CHECKED BY:	09-17-21 01_Grading & Drainage MAM
AS c: environn woburn	LLEN SOC ivil engin nental con w w w . a l 100 COM WO TH FA	EL: (781 KEVILL	m a j o r . c E WAY, SUITE MA 01801 ) 935-6889 ) 935-2896 E, MA ◆ MAN	INC. eying architecture om 5
CLIENT/CLIE PROVIDED ( INFORMATIC POTENTIAL UNINTENTIC INC. MAY AUTHORSHI PORTABLE SPECIFICATI ALLEN & M/	INT'S REPRES COPIES OF DR/ ON AND/OR SI THAT THE PR DNALLY OR O REMOVE A IP ON THE DIG DOCUMENT ONS ISSUED AJOR ASSOCIA	ENTATIVE AWINGS , PECIFIC U OVIDED THERWIS ALL INDI ITAL MEE FORMA SHALL BI TES, INC.'	OR CONSULT, AND SPECIFICATIC SE ON THIS PROJI INFORMATION M. E, ALLEN & MAJ CATION OF TH DIA. PRINTED REPR T OF THE D E THE ONLY REC S WORK PRODUCT	ONS FOR HIS/HER ECT. DUE TO THE AY BE MODIFIED OR ASSOCIATES, IE DOCUMENT'S ESENTATIONS OR RAWINGS AND CORD COPIES OF
Cor	yright©2021 Alle. All Rigl	n & Major A	ssociates, Inc.	10 OF 22



REQ BE		NOT TO NDER S JBJECT	MAP DSCALE UBDIVISION C TO A COVEN WITH.		
WAS REC AND BOA	ERTIFY THA S RECEIVED ORDING D OF NOTI RD OF TH OWN CLER ISSUE	AT NO D DURI AYS NE CE FRC IE APPI K – TO EFIN	ANNING BOAR NOTICE OF A NG THE TWEN EXT AFTER RE DM THE PLAN ROVAL OF TH OWN OF LEIC DR REVIE R 5, 2021	PPEAL NTY (20) ECEIPT NING IS PLAN ESTER	
	FESSIONAL N & MAJ(		EER FOR OCIATES, INC		
	10-05-21 DATE		REVISIONS PER TO	OWN COMMENTS	
265	(EP 770 5 SUNRI:	se hic	GHWAY, SU TER, NY 11!		
PROJECT:	SKYV SIDENT	ΓIAL ΛΑΙΝ S	ESTATE SUBDIV STREET ER, MA	-	
PROJECT	NO.	2889-01 1 <b>" =</b> 80'	DATE: DWG. : C-288	09-17-21 39-01_Utilities	
DESIGNED Prepared I		SM	CHECKED BY:	MAM	
ALLEN & MAJOR ASSOCIATES, INC. civil engineering • land surveying environmental consulting • landscape architecture w w w . a l l e n m a j o r . c o m 100 COMMERCE WAY, SUITE 5 WOBURN MA 01801 TEL: (781) 935-6889 FAX: (781) 935-2896 WOBURN, MA • LAKEVILLE, MA • MANCHESTER, NH					
This dray Client/Clie Provided ( Informatic Potential Unintentic Inc. May Authorshi Portable Specificati Allen & Ma	Wing has Int's repres Copies of Dr On And/or S That the Pf DNALLY or C Remove A IP on the Dig Document ONS ISSUED AJOR ASSOCIA	BEEN PI EENTATIVE AWINGS / PECIFIC U ROVIDED   DTHERWIS ALL INDI GITAL MED FORMA SHALL BI	REPARED IN DIG OR CONSULTA AND SPECIFICATIO SE ON THIS PROJE INFORMATION MA E, ALLEN & MAJO CATION OF TH DIA. PRINTED REPRI	GITAL FORMAT. ANTS MAY BE INS FOR HIS/HER CT. DUE TO THE AY BE MODIFIED OR ASSOCIATES, E DOCUMENT'S ESENTATIONS OR RAWINGS AND ORD COPIES OF	
	G TITLE: RALL UT			SHEET No. C-103	



SEWER MANHOLE	S
SEWER LINE	<u> </u>
WATER LINE	W
ELEC/TELE/CABLE CONDUIT	———— E-T-C ————
GAS LINE	GAS
HYDRANT	<b>V</b> VY
UTILILTY POLE	Q

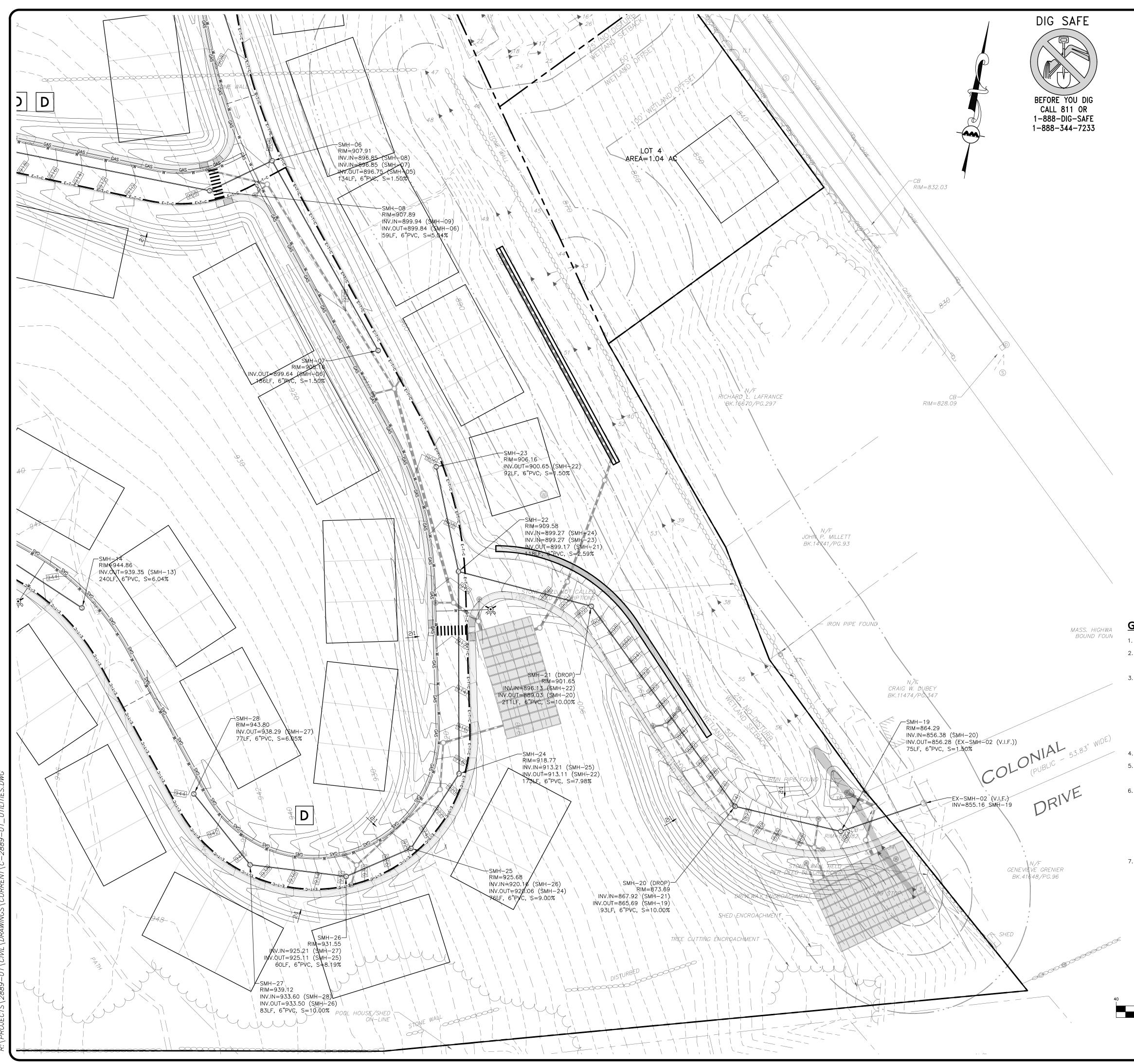
## <u>GENERAL PLAN NOTES</u>:

- 1. REFER TO SHEET C-103 FOR ADDITIONAL COMPLIANCE INFORMATION.
- 2. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS INCLUDING THE TOWN OF LEICESTER, MDOT, MADEP, MUTCD, AND AASHTO.
- 3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY ALLEN & MAJOR ASSOCIATES DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK, OR THE OWNER'S EMPLOYEES, CUSTOMERS, OR THE GENERAL PUBLIC. THE SEAL OF THE ENGINEER AS INCLUDED IN THE PLAN SET DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PROVIDE THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE
- 4. ALL ELEVATIONS REFER TO NAVD 88.

- 5. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- 6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE START OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DRAWINGS, SPECIFICATIONS, OR RELATIVE CODES, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT PRIOR TO START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AND/OR DESIGN INTENT OF THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
- 7. THE DESIGN ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS, AND/OR THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE GUIDANCE OF THE DESIGN ENGINEER WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCES, AMBIGUITIES, OR CONFLICTS WHICH ARE DISCOVERED OR ALLEGED.

		GRAI	PHIC SC	ALE		
0 	) 20	40 	8	60 		160
			( IN FEET $)$ nch = 40 f	t.		

REQ BE		NOT TO IDER SI JBJECT	MAP DSCALE UBDIVISION C TO A COVEN WITH.	B
WAS REC ANE	ERTIFY THA S RECEIVED CORDING D. OF NOTIO	AT NO D DURII AYS NE CE FRC	ANNING BOAR NOTICE OF A NG THE TWEN EXT AFTER RE DM THE PLAN ROVAL OF TH	PPEAL NTY (20) ECEIPT NING
PRO	DE ISSUE OC <sup>-</sup>	ENGIN	DWN OF LEIC DR REVIE R 5, 2021 EER FOR OCIATES, INC	w
26!	(EP 770 I 5 SUNRIS	desce LLC SE HIC	REVISIONS PER TO RIPTION GHWAY, SU	
PROJECT: RES	SKYV SIDENT M LE	TAL	ESTATE SUBDIV STREET ER, MA DATE:	-
SCALE: DESIGNED PREPARED I	O BY:	1" <b>-</b> 40' SM	DWG. : C-288 CHECKED BY:	39-01_Utilities MAM
AS c: environn	ivil engin nental con w w w . a 100 COM W TI	CIA' eering sulting l l e n IMERCE OBURN EL: (781)	<b>C</b> MAJ <b>TES</b> , J • land surve • landscape m a j o r . c • WAY, SUITE MA 01801 935-6889 935-2896	INC. eying architecture om
THIS DRAY CLIENT/CLIE PROVIDED ( INFORMATIC POTENTIAL UNINTENTIC INC. MAY AUTHORSHI PORTABLE SPECIFICATI ALLEN & M/	Wing has Ent's repres Copies of Dr. On And/or S That the Pr DNALLY or O REMOVE A IP ON THE DIG DOCUMENT ONS ISSUED AJOR ASSOCIA	BEEN PF ENTATIVE AWINGS / PECIFIC U OVIDED I OTHERWISI ALL INDH ITAL MED FORMA SHALL BE	REPARED IN DIA OR CONSULTA AND SPECIFICATIO SE ON THIS PROJE INFORMATION MA E, ALLEN & MAJA	NS FOR HIS/HER ECT. DUE TO THE AY BE MODIFIED OR ASSOCIATES, E DOCUMENT'S ESENTATIONS OR RAWINGS AND ORD COPIES OF
	ADING & PL	AN	INAGE	SHEET No. C-103A 12 OF 22



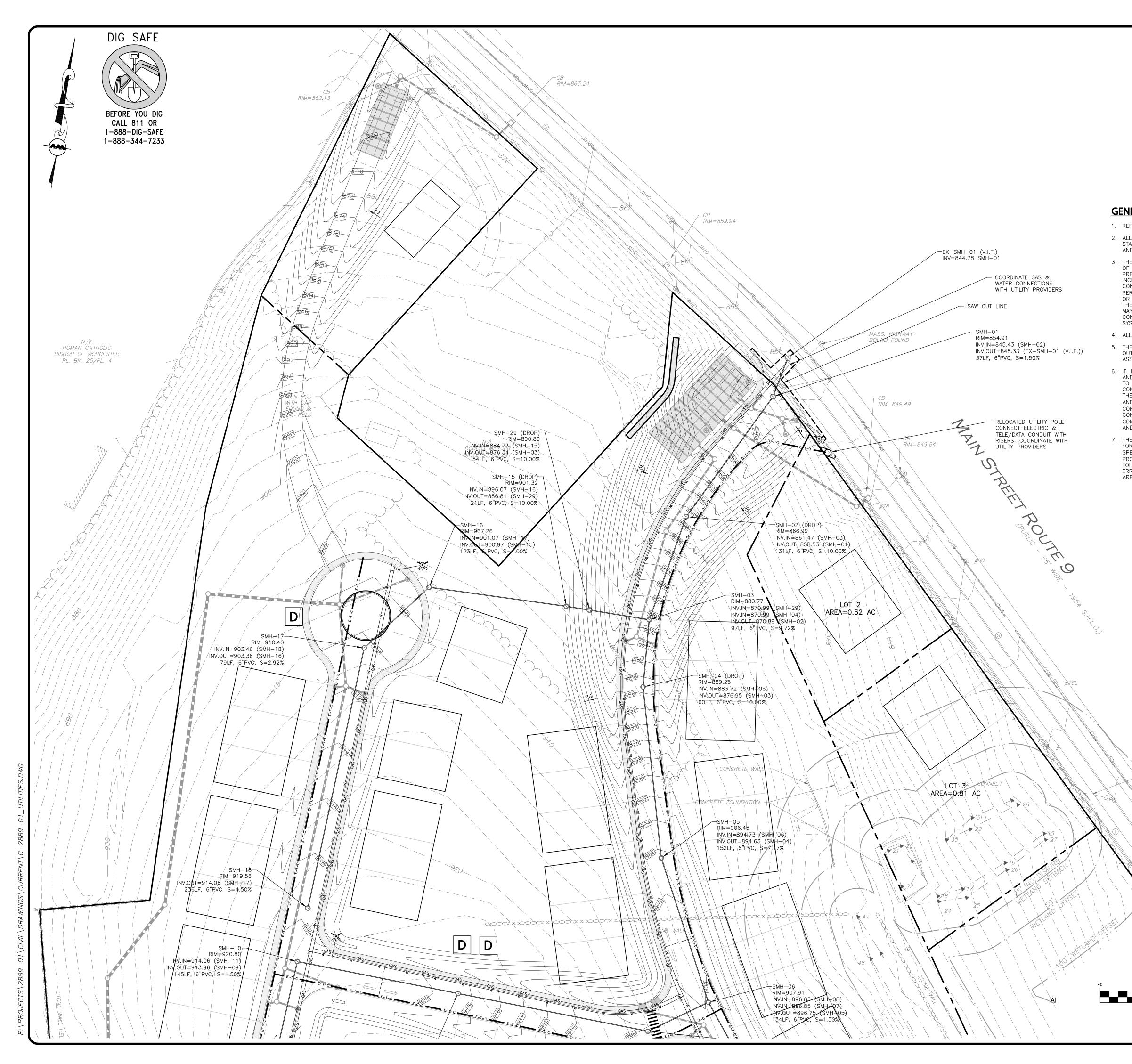
SEWER MANHOLE	Ś
SEWER LINE	<u> </u>
WATER LINE	W
ELEC/TELE/CABLE CONDUIT	E_T_C
GAS LINE	GAS
HYDRANT	, , , , , , , , , , , , , ,
UTILILTY POLE	$\mathcal{O}$

## **GENERAL PLAN NOTES**:

- 1. REFER TO SHEET C-103 FOR ADDITIONAL COMPLIANCE INFORMATION.
- 2. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS INCLUDING THE TOWN OF LEICESTER, MDOT, MADEP, MUTCD, AND AASHTO.
- 3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY ALLEN & MAJOR ASSOCIATES DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK, OR THE OWNER'S EMPLOYEES, CUSTOMERS, OR THE GENERAL PUBLIC. THE SEAL OF THE ENGINEER AS INCLUDED IN THE PLAN SET DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PROVIDE THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE
- 4. ALL ELEVATIONS REFER TO NAVD 88.
- 5. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- 6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE START OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DRAWINGS, SPECIFICATIONS, OR RELATIVE CODES, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT PRIOR TO START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AND/OR DESIGN INTENT OF THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
- 7. THE DESIGN ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS, AND/OR THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE GUIDANCE OF THE DESIGN ENGINEER WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCES, AMBIGUITIES, OR CONFLICTS WHICH ARE DISCOVERED OR ALLEGED.

e F					
		GR.	APHIC SC	CALE	
40	0   	20 4	40 8 	80 	160
		1	( IN FEET ) inch = 40 f	ft.	

A		KEY NOT TO		B
REQ	UIRED. SU RECORDED	BJECT HERE		
WAS REC AND	ERTIFY THA S RECEIVED ORDING D/ OF NOTIO	AT NO DURIN AYS NE CE FRO	NNING BOA NOTICE OF NG THE TWE XT AFTER F M THE PLA ROVAL OF T	APPEAL INTY (20) RECEIPT NNING
TO	DE	FIN	DWN OF LEI	
	FESSIONAL	ENGIN		
ALLE	.N & MAJC	DR ASS		
			OCIATES, IN	
	10-05-21			
<u></u> <u></u> REV APPLICAN	DATE	MISC.		
APPLICAN MK 265 RO	date T: CEP 770 L 5 SUNRIS CKVILLE	MISC. DESCR	REVISIONS PER	TOWN COMMENTS
APPLICAN MK 265 RO PROJECT:	DATE T: 5 SUNRIS CKVILLE SKYV SIDENT	MISC. DESCR LC CENT IEW	REVISIONS PER LIPTION	UITE 1368
APPLICAN MK 265 RO PROJECT:	DATE T: 5 SUNRIS CKVILLE SKYV 5IDENT N LE	MISC. DESCR LC CENT IEW	REVISIONS PER SIPTION ER, NY 11 ESTAT SUBDIV STREET	UITE 1368
APPLICAN MK 265 RO PROJECT RES	DATE T: 5 SUNRIS CKVILLE SKYV SIDENT NO. 2	MISC. DESCR LC SE HIC CENT IEW IAIN S ICEST 2889-01 1" = 40'	REVISIONS PER SIPTION GHWAY, S ER, NY 11 ESTAT SUBDIV STREET ER, MA DATE: DWG. : C-28	UITE 1368 570 ES /ISION 09-17-21 389-01_Utilities
APPLICAN MK 265 RO PROJECT: RES	DATE T: SEP 770 L 5 SUNRIS CKVILLE SKYV SIDENT NO. 2 DBY:	MISC. DESCR LC SE HIC CENT IEW IAIN S ICEST 2889-01	REVISIONS PER IPTION GHWAY, S ER, NY 11 ESTAT SUBDIV STREET ER, MA DATE:	UITE 1368 570 ES /ISION 09-17-21 389-01_Utilities
APPLICAN MK 265 RO PROJECT RES PROJECT	DATE T: SEP 770 L 5 SUNRIS CKVILLE SKYV SIDENT NO. 2 DBY:	MISC. DESCR LC SE HIC CENT IEW IAIN S ICEST 2889-01 1" = 40'	REVISIONS PER SIPTION GHWAY, S ER, NY 11 ESTAT SUBDIV STREET ER, MA DATE: DWG. : C-28	UITE 1368 570 ES /ISION 09-17-21 389-01_Utilities
APPLICAN MK 265 RO PROJECT: RES PROJECT I SCALE: DESIGNEE PREPARED I	DATE T: CEP 770 L 5 SUNRIS CKVILLE SKYV 5 IDENT M LE NO. 2 O BY: 3Y: CLEN	MISC. DESCR LC SE HIC CENT IEW IAIN S ICEST 2889-01 1" = 40' SM	REVISIONS PER SIPTION SHWAY, S ER, NY 11 ESTAT SUBDIV STREET ER, MA DATE: DWG. : C-28 CHECKED BY CHECKED BY	TOWN COMMENTS UITE 1368 570 ES /ISION 09-17-21 389-01_Utilities : MAM
APPLICAN MK 265 RO PROJECT: RES PROJECT I SCALE: DESIGNEE PREPARED I	DATE T: CEP 770 L 5 SUNRIS CKVILLE SKYV SIDENT NO. 2 DBY: 3Y: CLEN SOC	MISC. DESCR LC SE HIC CENT IEW IAIN S ICEST 2889-01 1" - 40' SM	REVISIONS PER SIPTION GHWAY, S ER, NY 11 ESTAT SUBDIV STREET ER, MA DATE: DWG. : C-28 CHECKED BY CHECKED BY	UITE 1368 570 ES /ISION 09-17-21 389-01_Utilities : MAM JOR JOR JOR
APPLICAN MK 265 RO PROJECT: RES PROJECT I SCALE: DESIGNEE PREPARED I AI AS ci environn	DATE T: CEP 770 L 5 SUNRIS CKVILLE SKYV SIDENT M LE NO. 2 OBY: BY: CLEN SOC ivil engine mental con w w w a l 100 COM WC	MISC. DESCR LC SE HIC CENT IEW IAIN S ICEST 2889-01 1" = 40' SM 2889-01 1" = 40' SM	REVISIONS PER SIPTION GHWAY, S ER, NY 11 ESTAT SUBDIV STREET ER, MA DATE: DWG. : C-28 CHECKED BY CHECKED BY	TOWN COMMENTS UITE 1368 570 ES /ISION 09-17-21 389-01_Utilities : MAM Seying INC. Veying e architecture o m
APPLICAN MK 265 RO PROJECT: RES PROJECT SCALE: DESIGNEE PREPARED I SCALE: DESIGNEE PREPARED I MUNITENTIC INFORMATIC PROVIDED C INFORMATIC PROVIDED C INFORMATIC PROVIDED C	DATE T: CEP 770 L 5 SUNRIS CKVILLE SKYV SIDENT M LE NO. 2 OBY: 3Y: CILEN SOC ivil engine nental con w w w a 1 100 COM w U SOC ivil engine nental con w w a 1 100 COM w THAT THE PRO ON AND/OR SI THAT THE PRO	MISC. DESCR LC DESCR	EVISIONS PER REVISIONS PER IPTION ESTAT SUBDIA SU	UITE 1368 570 ES ISION 09-17-21 389-01_Utilities : MAM JOR JOR JOR JOR JOR JOR JOR JOR JOR JOR
APPLICAN MK 265 RO PROJECT: RES PROJECT SCALE: DESIGNEE PREPARED I SCALE: DESIGNEE PREPARED I MUNITENTIC INFORMATIC PROVIDED C INFORMATIC PROVIDED C INFORMATIC PROVIDED C	DATE T: CEP 770 L 5 SUNRIS CKVILLE SKYV 5 SUNRIS CKVILLE SKYV 5 DENT NO. 2 NO. 2 NO. 2 DENT NO. 2 DENT NO. 2 DENT SCOPES SCOC ivil engine NO. 2 DENT SCOC ivil engine NO. 2 DENT SCOC IVIL I DENT SCOC IVIL I DENT SCOC I I DENT SCOC I DENT SCOC I I DENT SCOC I DENT SCOC I I DENT SCOC I DENT SCOC I I DENT SCOC I I DENT SCOC I DENT SCOC I I DENT SCOC I I DENT SCOC I I DENT SCOC I DENT SCOC I I DENT SCOC I DENT SCOC	MISC. DESCR LC DESCR LC DESCR LC DESCR ICEST IEW IAL SM ICEST 2889-01 1" = 40' SM 2889-01 1" = 40' SM ICEST 2889-01 1" = 40' SM	REVISIONS PER IPTION IHWAY, S ER, NY 11 ESTAT SUBDIN STREET ER, MA DATE: DWG. : C-28 CHECKED BY CHECKED BY Ind surv A land surv I and su	UITE 1368 570 ES /ISION ES /ISION 09-17-21 389-01_Utilities : MAM JOR ASSOCIATES, HE DOCUMENT'S RESENTATIONS OR DOR ASSOCIATES, HE DOCUMENT'S RESENTATIONS OR DOR ASSOCIATES, HE DOCUMENT'S RESENTATIONS OR DOR ASSOCIATES, HE DOCUMENT'S RESENTATIONS OR DOCORD COPIES OF



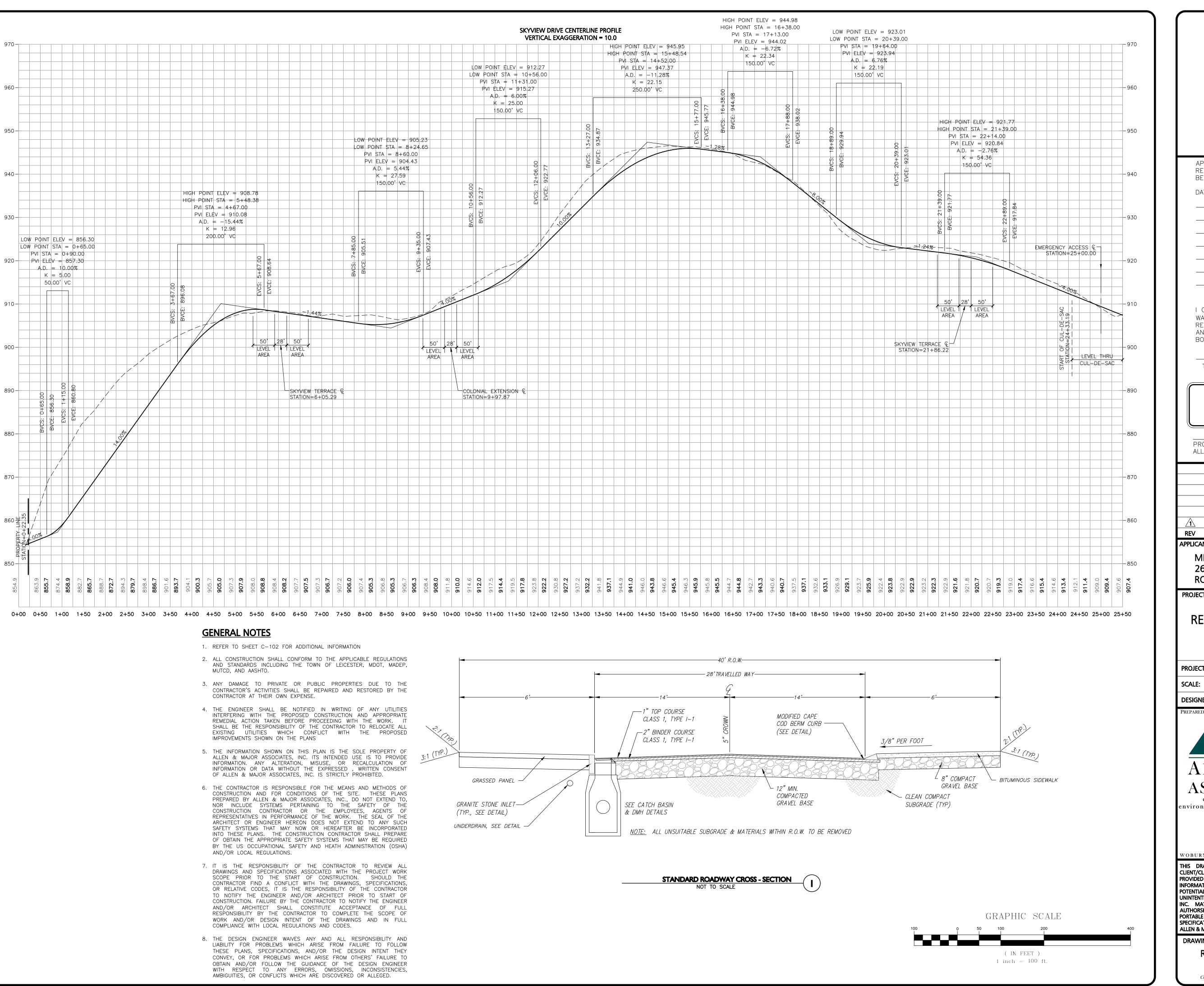
SEWER MANHOLE	S
SEWER LINE	
WATER LINE	W
ELEC/TELE/CABLE CONDUIT	E-T-C
GAS LINE	GAS
HYDRANT	<b>~</b>
UTILILTY POLE	$\mathcal{O}$

## <u>General Plan Notes</u>:

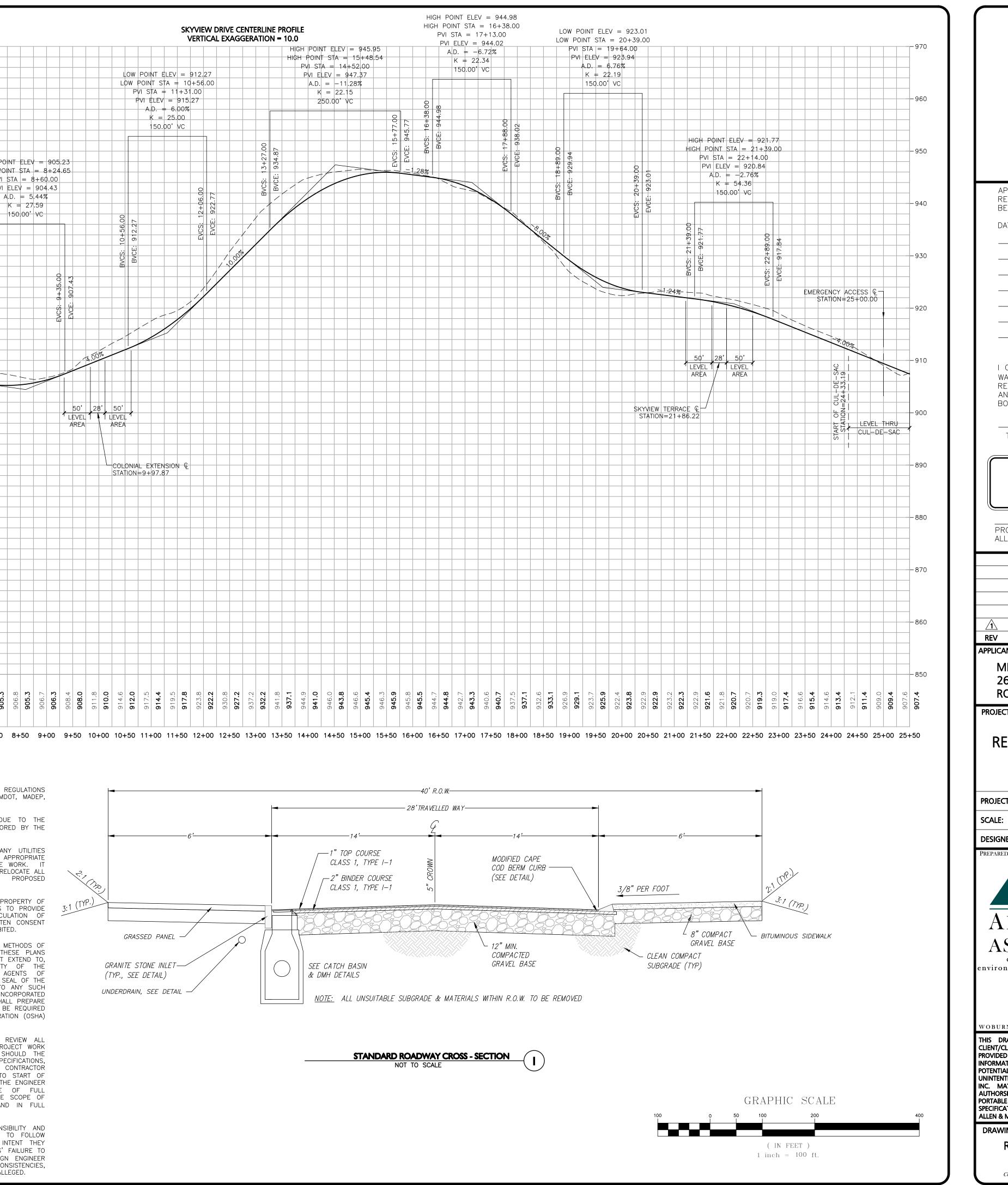
- 1. REFER TO SHEET C-103 FOR ADDITIONAL COMPLIANCE INFORMATION.
- 2. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS INCLUDING THE TOWN OF LEICESTER, MDOT, MADEP, MUTCD, AND AASHTO.
- 3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY ALLEN & MAJOR ASSOCIATES DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK, OR THE OWNER'S EMPLOYEES, CUSTOMERS, OR THE GENERAL PUBLIC. THE SEAL OF THE ENGINEER AS INCLUDED IN THE PLAN SET DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PROVIDE THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE
- 4. ALL ELEVATIONS REFER TO NAVD 88.
- THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- 6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE START OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DRAWINGS, SPECIFICATIONS, OR RELATIVE CODES, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT PRIOR TO START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AND/OR DESIGN INTENT OF THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
- 7. THE DESIGN ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS, AND/OR THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE GUIDANCE OF THE DESIGN ENGINEER WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCES, AMBIGUITIES, OR CONFLICTS WHICH ARE DISCOVERED OR ALLEGED.

GR/ 0 20 4	APHIC SCALE	16 
1	( IN FEET $)inch = 40 ft.$	

REG BE		NOT TO IDER S JBJECT	MAP DSCALE UBDIVISION C TO A COVEN WITH.	B
WAS REC ANE BOA	ERTIFY THA S RECEIVED CORDING D O OF NOTIO ARD OF TH OWN CLER	AT NO D DURI AYS NE CE FRC IE APPI K – TO	ANNING BOAF NOTICE OF A NG THE TWEI EXT AFTER R DM THE PLAN ROVAL OF TH DWN OF LEIC	APPEAL NTY (20) ECEIPT INING HIS PLAN
			<b>DR REVIE</b> R 5, 2021	
	FESSIONAL EN & MAJO		EER FOR OCIATES, INC	2.
<u>1</u> REV	10-05-21 DATE		REVISIONS PER T RIPTION	OWN COMMENTS
26	(EP 770   5 SUNRIS	SE HIC	GHWAY, SI ER, NY 11	
PROJECT:	SKYV SIDENT	TIAL	ESTATE SUBDIV STREET ER, MA	-
PROJECT		2889-01	DATE:	09-17-21
SCALE: DESIGNEI		1" <b>-</b> 40' SM	DWG. : C-28 CHECKED BY:	89-01_Utilities MAM
AS c environr	LLEN SSOC ivil engin nental con w w w . a 100 COM W TI FA	CIA' eering sulting l l e n IMERCH OBURN EL: (781 XX: (781	m a j o r . c E WAY, SUITE MA 01801 ) 935-6889 ) 935-2896	INC. eying architecture om
THIS DRAY CLIENT/CLIE PROVIDED INFORMATIO POTENTIAL UNINTENTIC INC. MAY AUTHORSH PORTABLE SPECIFICATI ALLEN & M	Wing has Ent's repres Copies of Dr On And/or S That the Pr DNALLY or C REMOVE A IP ON THE DIG DOCUMENT IONS ISSUED AJOR ASSOCIA	BEEN PI ENTATIVE AWINGS / PECIFIC U OVIDED   OTHERWIS ALL INDI ITAL MED FORMA SHALL BI	REPARED IN DI OR CONSULT, AND SPECIFICATIC SE ON THIS PROJ INFORMATION M, E, ALLEN & MAJ CATION OF TH DIA. PRINTED REPR T OF THE D	GITAL FORMAT. ANTS MAY BE DNS FOR HIS/HER ECT. DUE TO THE AY BE MODIFIED IOR ASSOCIATES, IE DOCUMENT'S ESENTATIONS OR RAWINGS AND CORD COPIES OF
DRAWIN		y pla	N	C-103C
G	oyright©2021 Alle	n & Maian	seaciates Inc	14 OF 22



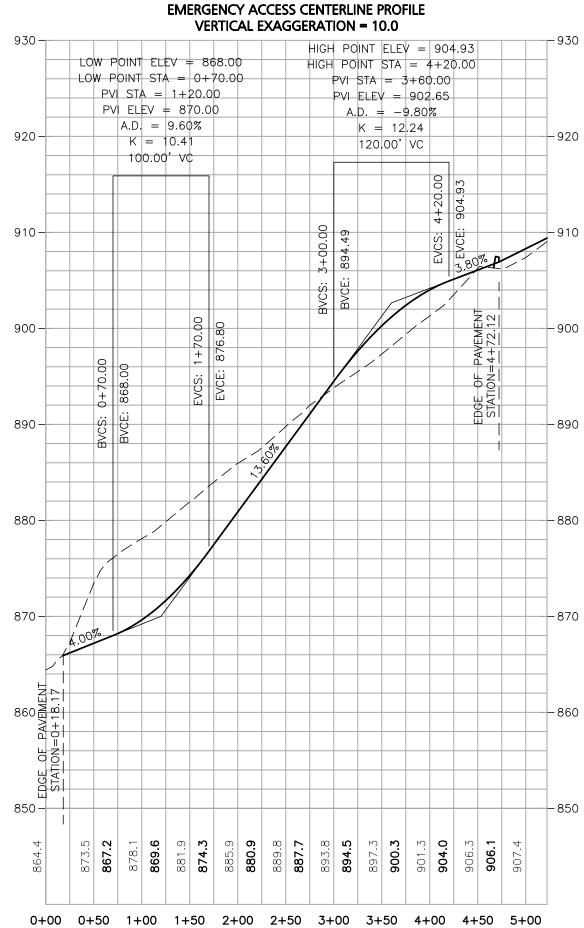




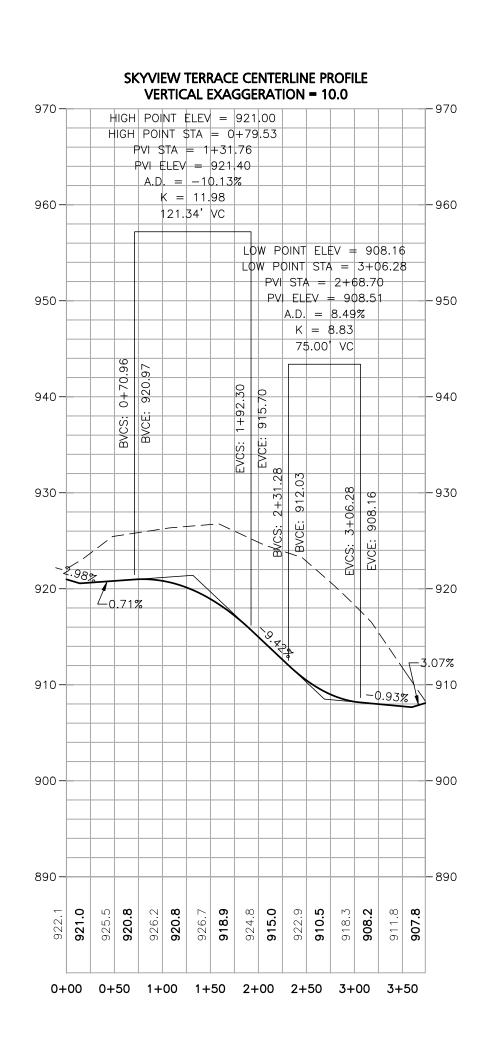
REQ BE	UIRED. SU RECORDED	BJECT HERE	UBDIVISION C TO A COVEN WITH.	IANT TO
WAS REC AND	ERTIFY THA S RECEIVED ORDING D/ OF NOTIC	AT NO DURII AYS NE CE FRC	ANNING BOAR NOTICE OF A NG THE TWEN EXT AFTER RI DM THE PLAN ROVAL OF TH	NPPEAL NTY (20) ECEIPT INING
T	DE	FIN D FC	DWN OF LEIC IITIVE DR REVIE R 5, 2021	
	FESSIONAL N & MAJC		EER FOR OCIATES, INC	
<u></u> REV APPLICAN	10-05-21 DATE T:		REVISIONS PER TO RIPTION	OWN COMMENTS
26		SE HIG	GHWAY, SU ER, NY 11	
PROJECT:	SKYV SIDENT N	TAL 1AIN S	ESTATE SUBDIV STREET ER, MA	-
PROJECT SCALE: DESIGNEI	1"	2889-01 ' = 100' SM	DATE: DWG. : C28894 CHECKED BY:	09-17-21 01_Grading & Drainage MAM
PREPARED I		IVIC	CHECKED DT.	
AS	SOC	'IA'	TES, J	INC.
environn	nental con w w w . a l 100 COM WC TH	sulting len IMERCE OBURN EL: (781)	<ul> <li>Faild survi</li> <li>Iandscape</li> <li>m a j o r . c</li> <li>WAY, SUITE</li> <li>MA 01801</li> <li>935-6889</li> <li>935-2896</li> </ul>	architecture o m
THIS DRAY CLIENT/CLIE PROVIDED O INFORMATIO POTENTIAL UNINTENTIO INC. MAY AUTHORSHI PORTABLE SPECIFICATI	Wing has int's represi copies of dra on and/or si that the pr onally or o remove a pon the dig document ons issued s	BEEN PI ENTATIVE AWINGS / PECIFIC U OVIDED   THERWISI ALL INDI ITAL MED FORMA SHALL BE	Repared in Di Or Consult/ And Specificatic Se on This Proje Nformation M/ E, Allen & Maj Cation of Th Dia. Printed Repr	ANTS MAY BE DNS FOR HIS/HER ECT. DUE TO THE AY BE MODIFIED OR ASSOCIATES, IE DOCUMENT'S ESENTATIONS OR RAWINGS AND CORD COPIES OF
drawin R	G TITLE: OADWA` SKYVIEV yyright©2021 Allei	y prc V dri	)FILE VE	SHEET No. C-201 15 OF 22

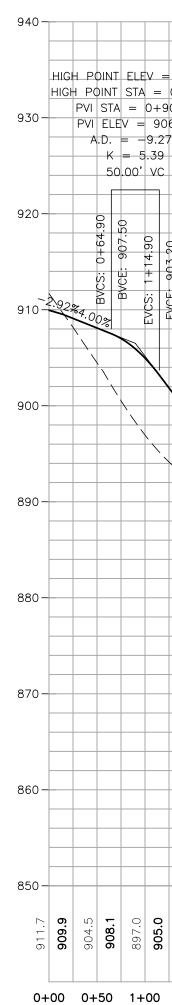
## **GENERAL NOTES**

- 1. REFER TO SHEET C-102 FOR ADDITIONAL INFORMATION
- 2. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS INCLUDING THE TOWN OF LEICESTER, MDOT, MADEP, MUTCD, AND AASHTO.
- 3. ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTIES DUE TO THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED AND RESTORED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- 4. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS
- 5. THE INFORMATION SHOWN ON THIS PLAN IS THE SOLE PROPERTY OF ALLEN & MAJOR ASSOCIATES, INC. ITS INTENDED USE IS TO PROVIDE INFORMATION. ANY ALTERATION, MISUSE, OR RECALCULATION OF INFORMATION OR DATA WITHOUT THE EXPRESSED, WRITTEN CONSENT OF ALLEN & MAJOR ASSOCIATES, INC. IS STRICTLY PROHIBITED.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS OF THE SITE. THESE PLANS PREPARED BY ALLEN & MAJOR ASSOCIATES, INC., DO NOT EXTEND TO, NOR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THE EMPLOYEES, AGENTS OF REPRESENTATIVES IN PERFORMANCE OF THE WORK. THE SEAL OF THE ARCHITECT OR ENGINEER HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OF OBTAIN THE APPROPRIATE SAFETY SYSTEMS THAT MAY BE REQUIRED BY THE US OCCUPATIONAL SAFETY AND HEATH ADMINISTRATION (OSHA) AND/OR LOCAL REGULATIONS.
- 7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE START OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DRAWINGS, SPECIFICATIONS, OR RELATIVE CODES, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT PRIOR TO START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE ENGINEER AND/OR ARCHITECT SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AND/OR DESIGN INTENT OF THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
- 8. THE DESIGN ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS, AND/OR THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE GUIDANCE OF THE DESIGN ENGINEER WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES, OR CONFLICTS WHICH ARE DISCOVERED OR ALLEGED.

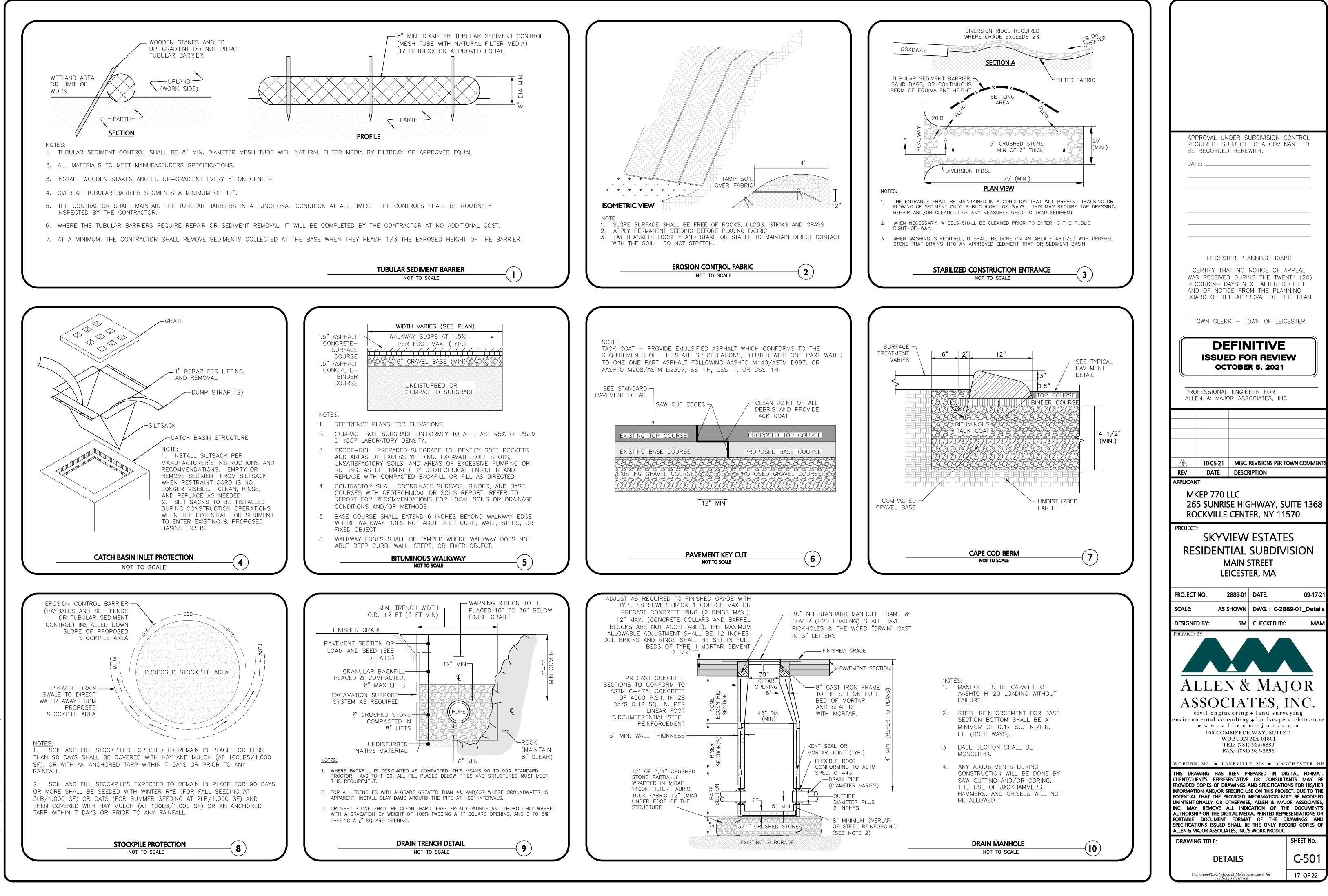




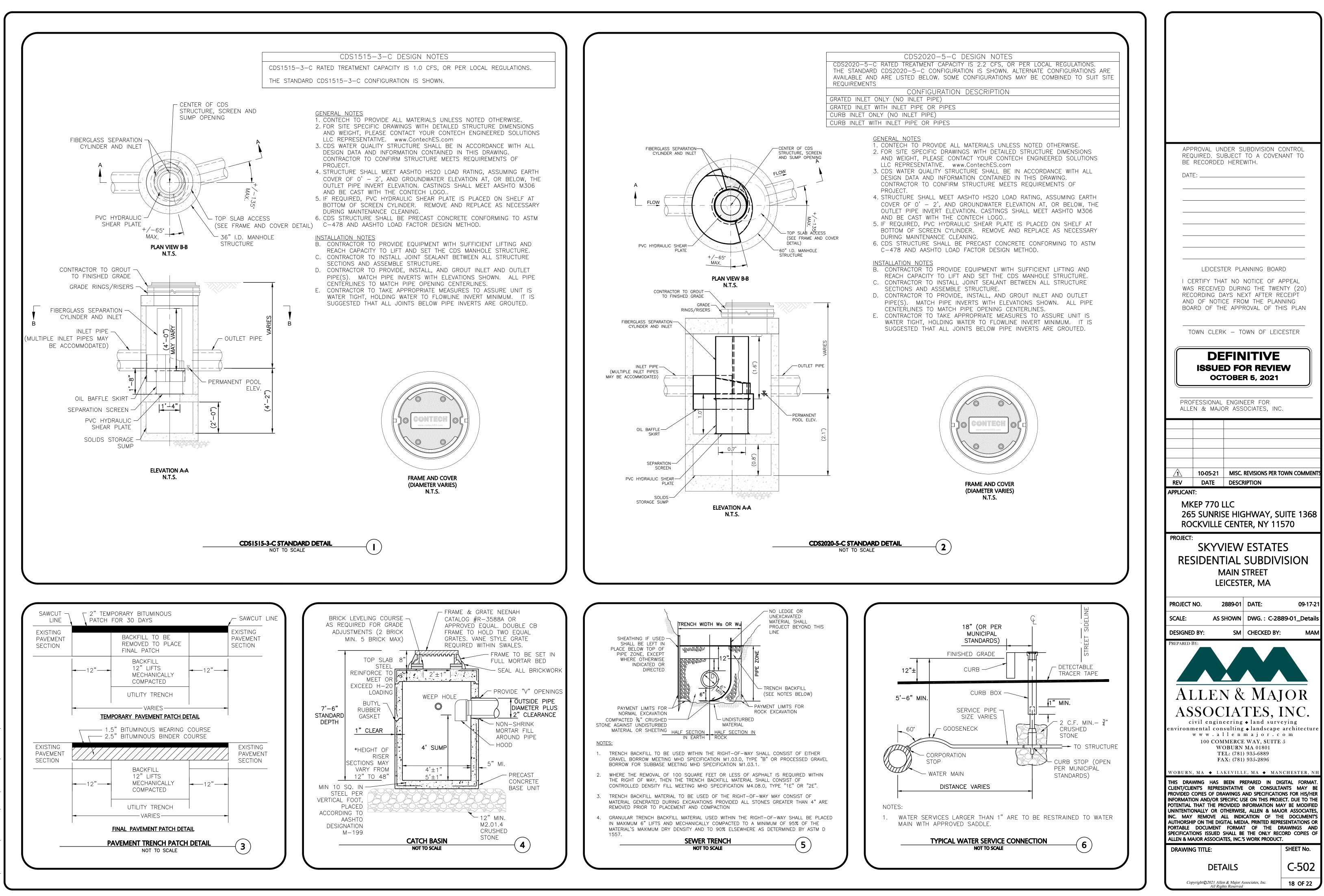


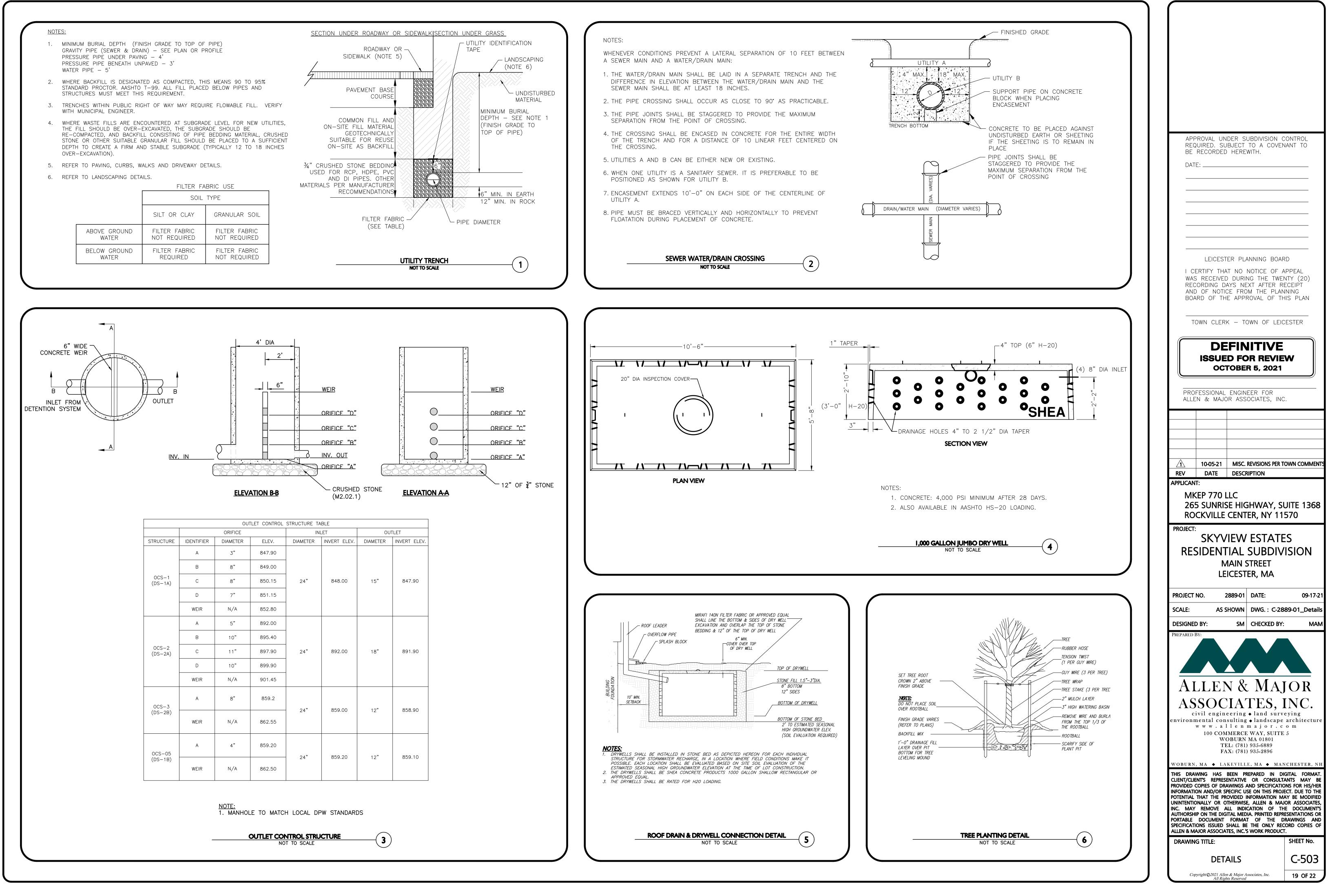


							EVCE: 903.20	0 90	Ö		
1	892. <b>1</b> +1							+64 00 50			
	898.5 0	.5 						′.50 ∔.90			
	9.688 <b>2+</b>	.6									
	.00 891.9	6.			<u> </u>						
	2.788 <b>5</b> .72										
	£.288 +20	Σ		D. J. d.							
									ENT ATI		
50	+0(	(									
		<u>o</u>					LOW				
1	882.1 882.1						P( PVI				
00	872.0	0.		/ BVCS: 3	3+72.00	A.D K	OIN ST				
РН IN ch	.874.			BVCE:	869.08	EV . = 0.00	T EL T ST A = EV		ILE		
FE	+00 866 1			EVCS: 4+2	2.00	9. 5.3	FA = = 3				
ET					864 76	27% 39	= 4 +97				
)		PROPERTY	4.8		)		++2 7.00				
00	863.6	.6 STATION=4+74.85	2 2 2 2 2 2 2 2				2.0				
Ē	9.098 5+	2									
	-00	- 86	- 87	- 88	- 89	— 91 — 90	- 92	- 93	- 94		
ROADWAY PROFILES SKYVIEW TERRACE, EMERGENCY ACCESS, & COLONIAL EXTENSION	PROJECT NO.         2889-01         DATE:           SCALE:         1" = 100'         DWG. : C-2889-01_Gradin           DESIGNED BY:         SM         CHECKED BY:	PROJECT: SKYVIEW ESTATES RESIDENTIAL SUBDIVISIO MAIN STREET LEICESTER, MA	APPLICANT: MKEP 770 LLC 265 SUNRISE HIGHWAY, SUITE ROCKVILLE CENTER, NY 11570	10-05-21     MISC. REVISIONS PER TOWN OR       REV     DATE	PROFESSIONAL ENGINEER FOR ALLEN & MAJOR ASSOCIATES, INC.	DEFINITIVE ISSUED FOR REVIEW OCTOBER 5, 2021	TOWN CLERK - TOWN OF LEICESTE	LEICESTER PLANNING BOARD I CERTIFY THAT NO NOTICE OF APPEA WAS RECEIVED DURING THE TWENTY ( RECORDING DAYS NEXT AFTER RECEIP AND OF NOTICE FROM THE PLANNING		APPROVAL UNDER SUBDIVISION CONTR REQUIRED. SUBJECT TO A COVENANT BE RECORDED HEREWITH. DATE:	
C. itecture FORMAT. MAY BE R HIS/HER JE TO THE MODIFIED SOCIATES, CUMENT'S ITIONS OR GS AND	09-17-21 ng & Drainage MAM		1368	COMMENTS			LAN	20) T		ТО	

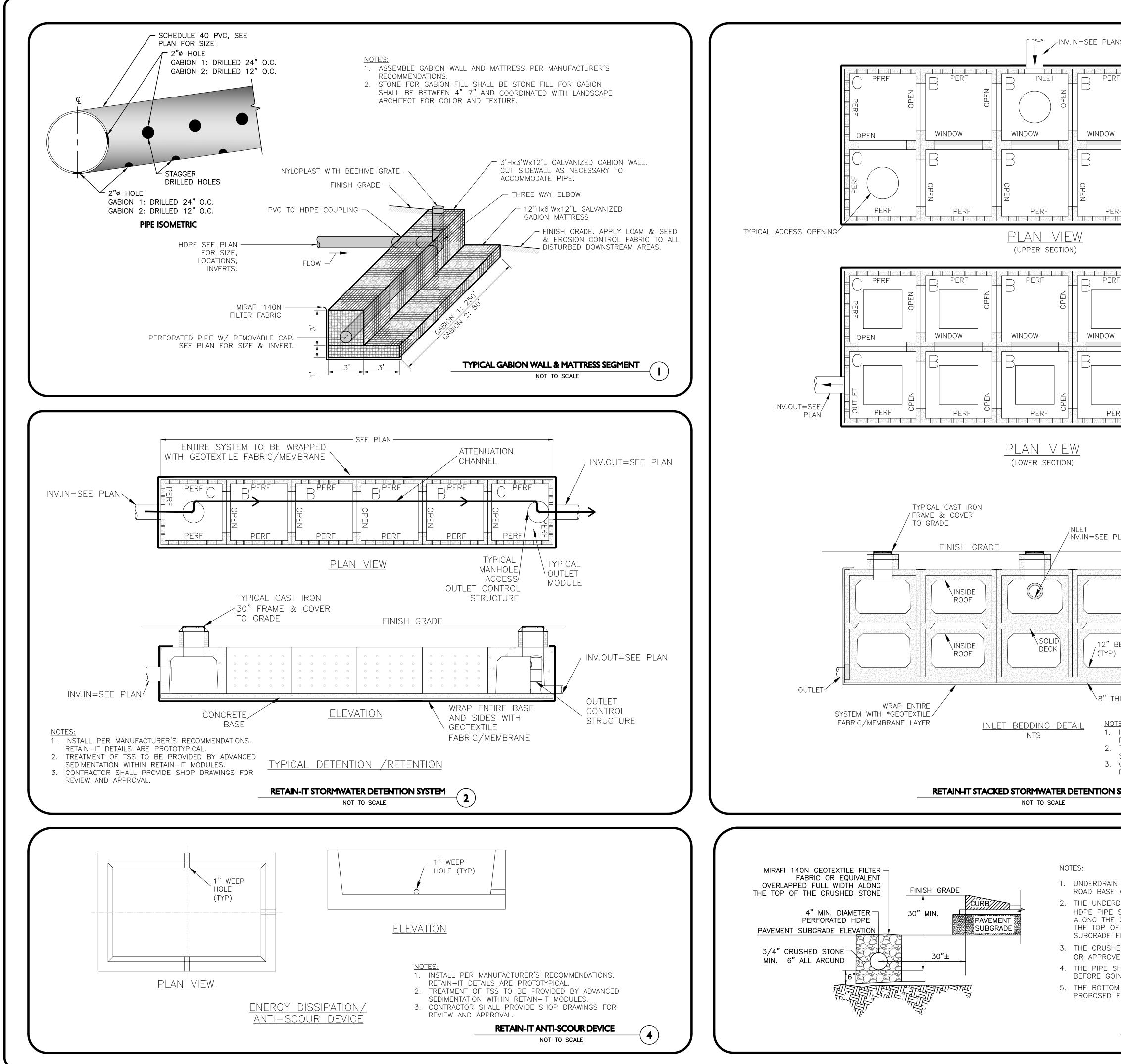


ROJECTS\2889-01\CIVIL\DRAWINGS\CURRENT\C-2889-01\_DETAILS.DWG



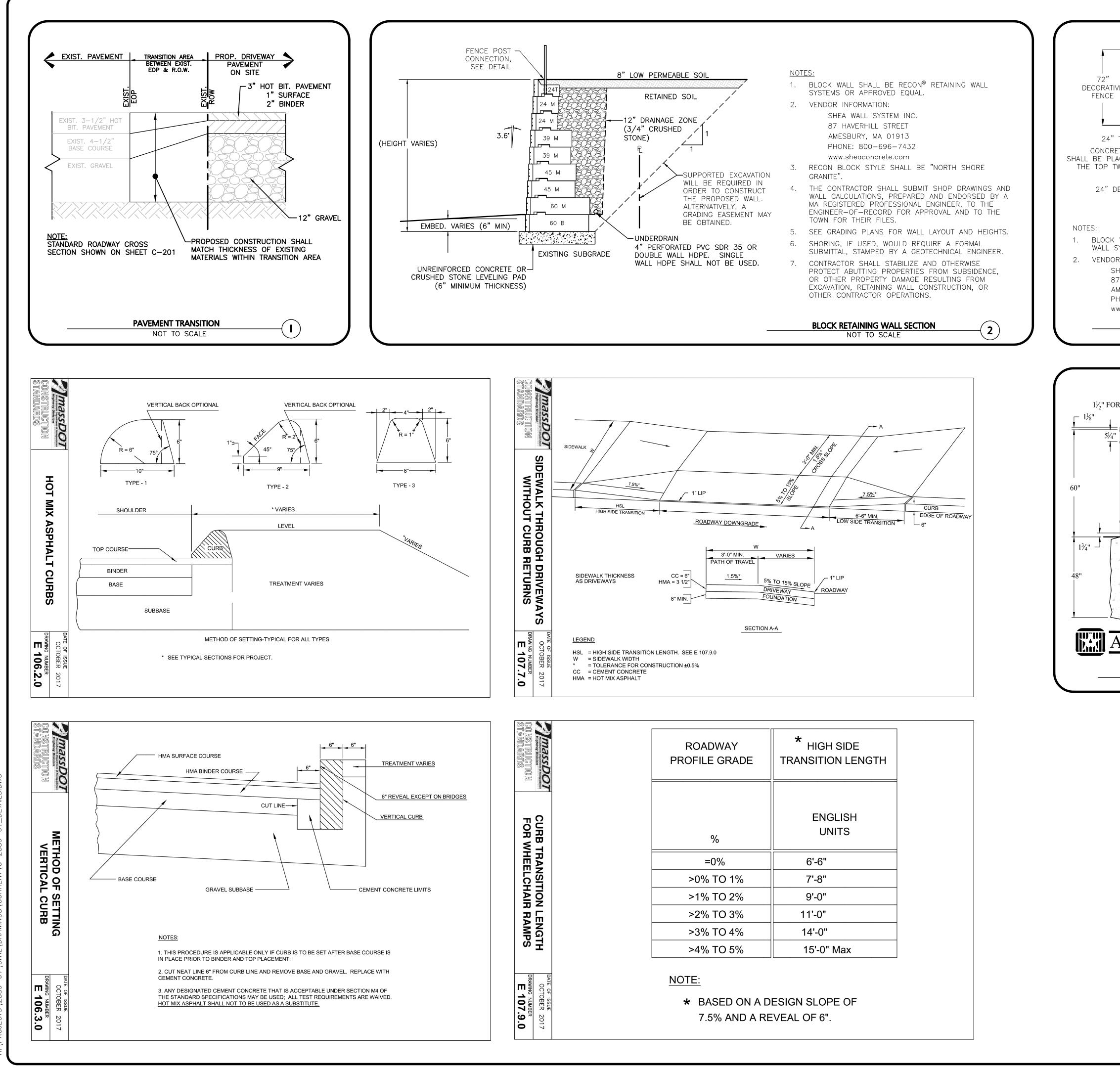


PROJECTS\2889-01\CIVIL\DRAWINGS\CURRENT\C-2889-01\_DETAILS.DWG



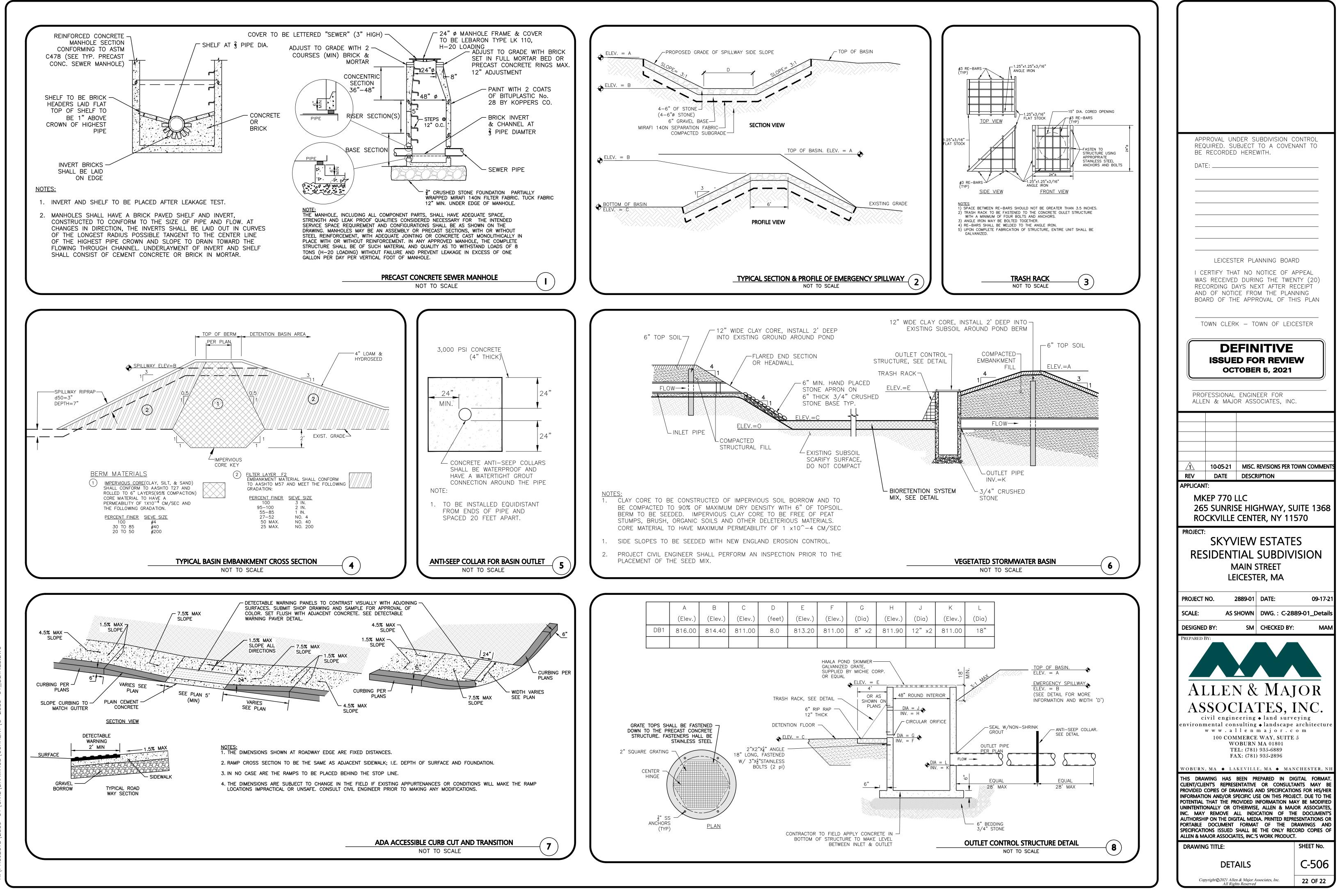
JECTS \ 2889 – 01 \ CIVIL \ DRAWINGS \ CURRENT \ C – 2889 – 01 \_ DETAILS.D

IS	
F PERF *GEOTEXTILE FABRIC/ MEMBRANE	APPROVAL UNDER SUBDIVISION CONTROL REQUIRED. SUBJECT TO A COVENANT TO BE RECORDED HEREWITH. DATE:
LAYER	
	LEICESTER PLANNING BOARD I CERTIFY THAT NO NOTICE OF APPEAL WAS RECEIVED DURING THE TWENTY (20) RECORDING DAYS NEXT AFTER RECEIPT AND OF NOTICE FROM THE PLANNING BOARD OF THE APPROVAL OF THIS PLAN TOWN CLERK – TOWN OF LEICESTER
	DEFINITIVE ISSUED FOR REVIEW OCTOBER 5, 2021
	PROFESSIONAL ENGINEER FOR Allen & Major Associates, inc.
CONSEAL CS-212 POLYLOFIN BACKED EXTERIOR JOINT WRAP AT ALL TOP JOINTS	
	1 10-05-21 MISC. REVISIONS PER TOWN COMMENTS
	ZIX10-03-21MISC. REVISIONS PER TOWN COMMENTSREVDATEDESCRIPTIONAPPLICANT:MKEP 770 LLC265 SUNRISE HIGHWAY, SUITE 1368ROCKVILLE CENTER, NY 11570
ICK BASE SLAB, BY OTHERS	PROJECT: SKYVIEW ESTATES RESIDENTIAL SUBDIVISION MAIN STREET LEICESTER, MA
<u>ES:</u> INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	PROJECT NO.         2889-01         DATE:         09-17-21           SCALE:         AS SHOWN         DWG. : C-2889-01_Details
RETAIN-IT DETAILS ARE PROTOTYPICAL. TREATMENT OF TSS TO BE PROVIDED BY ADVANCED SEDIMENTATION WITHIN RETAIN-IT MODULES.	SCALE:AS SHOWNDWG. : C-2889-01_DetailsDESIGNED BY:SMCHECKED BY:MAM
CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL. SYSTEM 3	PREPARED BY:
TO BE PLACED IN LOCATIONS OF CUT AND WHERE GRAVEL WILL BE BELOW EXISTING GRADE. DRAIN SHALL CONSIST OF A 4 INCH DIAMETER PERFORATED SURROUNDED WITH AT LEAST 6 INCHES OF 3/4" STONE SIDES AND BOTTOM OF THE PIPE. CRUSHED STONE OVER	ALLEN & MAJOR ASSOCIATES, INC. civil engineering • land surveying environmental consulting • landscape architecture w w w . a l l e n m a j o r . c o m 100 COMMERCE WAY, SUITE 5 WOBURN MA 01801 TEL: (781) 935-6889 FAX: (781) 935-2896
F PIPE SHALL EXTEND UP TO THE PROPOSED PAVEMENT ELEVATION. ED STONE SHALL BE WRAPPED IN FILTER FABRIC (MIRAFI 140N ED EQUAL) AND OVERLAPPED FULL WIDTH ON THE TOP. HALL BE LAID FLAT AND SHALL CONNECT TO A SOLID PIPE NG UNDER ANY PAVEMENT AREAS.	WOBURN, MA ◆ LAKEVILLE, MA ◆ MANCHESTER, NH THIS DRAWING HAS BEEN PREPARED IN DIGITAL FORMAT. CLIENT/CLIENT'S REPRESENTATIVE OR CONSULTANTS MAY BE PROVIDED COPIES OF DRAWINGS AND SPECIFICATIONS FOR HIS/HER INFORMATION AND/OR SPECIFIC USE ON THIS PROJECT. DUE TO THE POTENTIAL THAT THE PROVIDED INFORMATION MAY BE MODIFIED UNINTENTIONALLY OR OTHERWISE, ALLEN & MAJOR ASSOCIATES, INC. MAY REMOVE ALL INDICATION OF THE DOCUMENT'S AUTHORSHIP ON THE DIGITAL MEDIA. PRINTED REPRESENTATIONS OR
FINISH GRADE.	PORTABLE DOCUMENT FORMAT OF THE DRAWINGS AND SPECIFICATIONS ISSUED SHALL BE THE ONLY RECORD COPIES OF ALLEN & MAJOR ASSOCIATES, INC.'S WORK PRODUCT.
	DRAWING TITLE: SHEET No.
NOT TO SCALE 5	DETAILS C-504
	Copyright©2021 Allen & Major Associates, Inc. 20 OF 22 All Rights Reserved



ROADWAY	HIGH SIDE
PROFILE GRADE	TRANSITION LENGTH
	ENGLISH
%	UNITS
=0%	6'-6"
>0% TO 1%	7'-8"
>1% TO 2%	9'-0"
>2% TO 3%	11'-0"
>3% TO 4%	14'-0"
>4% TO 5%	15'-0" Max

A WALL SHALL BE RECON® RETAINING   SYSTEMS OR APPROVED EQUAL.   DR INFORMATION:   SHEA WALL SYSTEM INC.   87 HAVERHILL STREET   AMESBURY, MA 01913   PHONE: 800-696-7432   www.sheaconcrete.com   LEICESTE   I CERTIFY THAT   NOT TO SCALE     3	ER PLANNING BOAR T NO NOTICE OF A DURING THE TWEN AYS NEXT AFTER RE CE FROM THE PLAN E APPROVAL OF TH	PPEAL ITY (20) ECEIPT NING IS PLAN
DRERUNNER <sup>T</sup> RAIL 95½" ± ½"	FINITIVE D FOR REVIE OBER 5, 2021	••••••••••••••••••••••••••••••••••••••
AMERISTAR <sup>®</sup> 1555 N. Mingo Tulsa, OK 74116 1-888-333-3422 <u>DECORATIVE STEEL FENCE</u> NOT TO SCALE ABENTION	LC E HIGHWAY, SU CENTER, NY 115 IEW ESTATE IAL SUBDIV IAIN STREET ICESTER, MA	570 S
	889-01 DATE:	09-17-21
SCALE: AS SH DESIGNED BY:	HOWN DWG. : C-288 SM CHECKED BY:	39-01_Details MAM
ASSOC civil engine environmental cons www.al 100 COMM WO TEI FAX WOBURN, MA • LAK THIS DRAWING HAS B CLIENT/CLIENT'S REPRESEN PROVIDED COPIES OF DRAW	l e n m a j o r . c MERCE WAY, SUITE DBURN MA 01801 L: (781) 935-6889 X: (781) 935-2896 KEVILLE, MA ◆ MAN BEEN PREPARED IN DIC ENTATIVE OR CONSULTA WINGS AND SPECIFICATIO	NC. eying architecture om 5 CHESTER, NH SITAL FORMAT. NTS MAY BE NS FOR HIS/HER
INFORMATION AND/OR SPE POTENTIAL THAT THE PRO UNINTENTIONALLY OR OTI INC. MAY REMOVE ALL AUTHORSHIP ON THE DIGIT PORTABLE DOCUMENT SPECIFICATIONS ISSUED SH ALLEN & MAJOR ASSOCIATE DRAWING TITLE:	ECIFIC USE ON THIS PROJE DVIDED INFORMATION MA THERWISE, ALLEN & MAJO LL INDICATION OF THI TAL MEDIA. PRINTED REPRE FORMAT OF THE DF SHALL BE THE ONLY RECO TES, INC.'S WORK PRODUCT.	CT. DUE TO THE Y BE MODIFIED DR ASSOCIATES, E DOCUMENT'S SENTATIONS OR RAWINGS AND ORD COPIES OF
Convright@2021 Allen	& Major Associates Inc	C-5U5
All Rights	is Reserved	21 01 22



PROJECTS\2889-01\CIVIL\DRAWINGS\CURRENT\C-2889-01\_DETAILS.DW

Jason Grimshaw, Chair and Planning Board Members 3 Winslow Square Leicester, MA 01524

Date: 10/22/2021

Re: Skyview Estates Development 651 Main Street Leicester, MA

Abutter: Genevieve Grenier 7 Colonial Drive Cherry Valley, MA RECEIVED

NCT 2 6 2021

Town of Leicester Development & Inspectional Services

Dear Sirs and Madam:

I wish to state my deep concerns to the above-referenced development for the following reasons:

1. Reference Sheet # C102 B page 20 on PDF document on Leicester Planning Board/Current Applications/Plans. According to the development plan a Retain-it water detention system, DS-2b, is to be installed close to my driveway my driveway approximately 20 feet away and more importantly 42 feet from my house. The system is uphill from my house. Do you see a problem? The other systems are either next to Main Street (Route 9) and the other is placed between two groups of condos with no condo below them and the houses on Main Street are approximately 700 feet away. Why is DS-2b within 50 feet of my house? I understand that the Retain-It system stores the water temporarily and slowly releases the water over 12-24 hours. The problem is that soil is already wet indicated by my sump pump running daily once early in the morning and again in the evening when it is not raining. When it rains less than one inch it will run about 5 times during the day. More than an inch it can be about 10 times. July was an extremely rainy month 10 inches above normal according to the National Weather Service and for most of the month the sump pump ran at least 8 minutes every hour. When the aftermath Storm IDA hit the area 8/31-9/1/21 with 4.71 inches of rain my sump pump ran nonstop for 2 days before it took a two-minute breather. I did not sleep that first night and stayed in the cellar for fear the sump pump would burn out. I was told by a firefighter that sump pumps are not meant to run non-stop. They do break down. It took another 5 days for the sump pump to get to 10 times a day cycle. It was October before it reached the 2 times a day cycle.

I have learned that one inch of rain on one acre of land receives 27,154 gallons of water. The detention system DS-2b (next to 7 Colonial Drive) is will be covering the rain of more than one acre and can handle a maximum of 130,423, I do not see even adding 27,200 gallons into that already wet ground will be negligible when it comes to my cellar. I have calculated that the cellar is approximately 9 below the ground. The base of this system will be higher which will mean when the water is slowly discharged it will look for the lowest level down the hill which will be my cellar and sump pump.

I have lived my whole life (72 Years) and know this hill. Living next to the run-off (made by Leicester in the 50's) I know how water reacts and where it runs. It was part of my chore as a

child about 6 years of age and older to clean the course of the run-off. It was my job to make sure there was no standing water meaning raking leaves and clearing any other obstructions in the runoff starting from the top of Colonial Drive down to end where the side and back wall meet. Standing water meant and means more water in the cellar. This plan creates totallv reverses what I have worked to avoid, a standing pool near the house and a dry cellar. In October 2005 when it rained for two weeks from 10-6-2005 to 10-15-2005 accumulation of 11.96 inches of rain a pool formed in the runoff area (other side of wall on the uphill side- from cellar entrance of the house to the shed approximately fifty long and about ten feet wide) the sump pump ran continuously and eventually failed resulting in 6 inches of water in the cellar. A pool of water in that runoff area is bad news. It took 2 years for that area to be just damp. In 2006 between May and June 11.94 inches of rain fell. With a new pump and my vigil checking the pump and an emergency pump I was able to keep just ahead of having my basement flooded. Now this plan proposes an even larger pool abutting and higher than that area.

This Retain It system can certainly be effective but not 50 feet away from an occupied house downhill, not on the side of a hill and certainly not in this soil. I can see it working where the acreage it discharges is flat and where any residential dwelling is thousands of feet away and the soil for the most part dry and needs some recharging. The soil is in no need of recharging it's always charged.

- 2. Colonial Drive was never meant or designed for a lot of traffic. The town of Leicester particularly the Highway Department would like it to disappear. Having the Colonial Drive Extension will only exacerbate an already bad and sometimes dangerous situation. Again, as I have lived here a considerable years I have seen people do the strangest and stupidest maneuvers on this hill. Nonresidents in general drive too fast up the hill and more inexplicably give it the gas going down the hill to hit the brakes at the bottom. Dangerous at any time of year but certainly most in late fall into winter with snow and ice. I know the representative of the developer does not see an accident at the junction of Colonial Drive and Colonial Drive extension. Driver coming down the Extension too fast, late for work, driver backing out of 8 Colonial Drive. Result is broad side accident or driver coming down the Extension loses control swerves hard right and depending how DS-2b is designed on the side facing the extension the car could land on top or damage the structure itself. One must remember Colonial Drive and even Colonial Drive Extension is far from a flat surface. All the other residents would also have to be alert to sudden changes. This would not be a children friendly situation. At the bottom of the hill (junction with Route 9) a driver must practice patience to turn right and the patience of a saint to go left. Most drivers have neither. Another guarantee of an accident. The main entrance to Skyview is also problematic. I know the representative of the developer said that the speed driven by drivers was 48mph. Who did the study of traffic on Route 9? What time and date was this study done? Were trailer trucks included? I drive numerous times on a daily basis on that stretch of Route 9 – other drivers ride your "tail", overtake you, honking or giving a special salute. I've been there- 58 mph would be more accurate. Having the entrance not that far from that slow curve with people picking speed is a recipe for an accident and worse an accident with a school bus. I know these things I worked 23 years in the insurance industry and took too many accident reports of these situations and more.
- 3. Snow removal What happens for snow removal where Colonial Drive (public road) and Colonial Drive Extension? It is only in the last 4 years that snow was pushed directly up to end of Colonial Drive. Fore decades at the top they swung left dumping and creating a large snow pile

which on warm days (32 degrees and above) some snow melted and created a large sheet of ice spout 12 feet long in the driveway. The accumulation of ice was daily despite daily application of sand and ice melt. Ice only was gone in late April. When the highway department pushed straight up the hill the situation stopped with only minor icing melting with warm winter days. How is Colonial Drive Extension to be plowed. The easiest is from top to bottom but where is the snow to end? I know next to the Colonial Drive pile next to my driveway since Leicester Highway department can no longer push to the end of the street and then the icing begins but even worse.

- 4. Sidewalk down Colonial Drive Extension Really!! Someone is going to walk down Colonial Drive Extension onto Colonial Drive that has no sidewalk. They are walking down that steep hill to Main Street with cars coming up and down Colonial Drive. Right now that doesn't happen because we are only 4 houses. Add Skyview Estates and now you have 150+ more vehicles using Colonial Drive.
- 5. Henshaw Street has already problems with frequent washes of assorted debris, placing a large of water that close to street is a future problem. Historically these pools are cheaper to install and design but are very labor intensive in maintenance as shown in the BMP practices of the Skyview Estate Development. As I worked with Donna Williams, Chair of the Board of Directors of the Blackstone River Coalition and Peter Coffin, Coordinator of the Blackstone Coalition, Watershed Advocate I learned that these pools are labor intensive for continued maintenance. In time the work slacks off and the retention pools deteriorate. I know the representatives states they will follow the Best Management Practices, they are only there until the units are sold, as time goes on with only reporting required humans being what they are things will slack off unless the Town of Leicester is on their backs with aggressive and frequent checking. In my experience Leicester has done a poor job in the long run which does not bode well. In addition, this would in the hands of people forming a condo association that Leicester has no knowledge and/or experience that they would comply and how well.
- 6. Now I know that the main entrance and all roads in Skyview Estates are private but has anyone seen a problem during the winter if there are severe storms or blizzards and drifting. I only mention this because it is a private road- ambulances, fire trucks and police cars would go in if there was an emergency. The entrance faces north/northeast, the worst direction in a snowstorm. The entrance and other roads that I can see on the development plan cut deep at certain elevations (some 20 feet into the hill) and in a bad storm certainly these areas would fill in quickly with snow in high winds. The Town will not be doing the plowing, a private service will be doing it but they won't be there 24/7. How does the Town plan on handling such emergency situations? Will Skyview Estates pay for the plowing? If there is an accident with a town plow? With 103 units and at least 200 residents you know it will happen. Having lived on this hill on Colonial Drive I have seen drifts that have broken plows and frustrated the Highway Department. Why do you think that Colonial Drive is the bane of their existence?

I really think that this development is still badly designed development and concept. The topography is not suited for dwellings. To be honest Colonial Drive should never have been developed in 1948. It was a mistake and now Skyview Estates, much bigger scale, is greatly compounding the same mistake 73 years later. Hasn't Leicester learned anything in 73 years? Developers are interested in making a profit and do not see beyond their immediate benefit. The developers are not of the community to see the impact,

1

they have they have no tie to the community. I believe there is a reason that prior to Colonial Drive (1948) the hill was not developed, one hundred years ago people knew that it was not suitable for living. The topography is wrong. Houses were built at the bottom and the rest was used as farmland. Please consider these plans as ill conceived and developed.

Jenevieve F. Sherier

Genevieve F. Grenier

ł

## Summit Engineering & Survey, Inc.

July 14, 2021

Planning Board Town of Leicetser 3 Washburn Square, Leicester, MA 01524 via hand delivery

#### Re: Modification of Open Space Residential Development Off Paxton Street "Smugglers Cove"

Dear Members of the Board,

On behalf of our Client, DJT Properties, LLC, this office is submitting a Revised Plan per comments from the town departments and abutters concerns. The following changes have been made to the Plan;

- 1. The proposed roadway pavement width has been increased to 26 feet.
- 2. Proposed sidewalk has been added to the roadway cross section on the North side of the proposed roadway.
- 3. The number of Building Lots has been reduced to 10 Lots instead of 13 Building Lots, which was submitted originally.
- 4. The length of the roadway has been reduced to 1,627 feet instead of 2,000 feet, which was submitted originally.
- 5. The emergency gravel access road has been removed.
- 6. The right of way has been adjusted from station 0+00 to station 3+50 as shown on the revised plan.

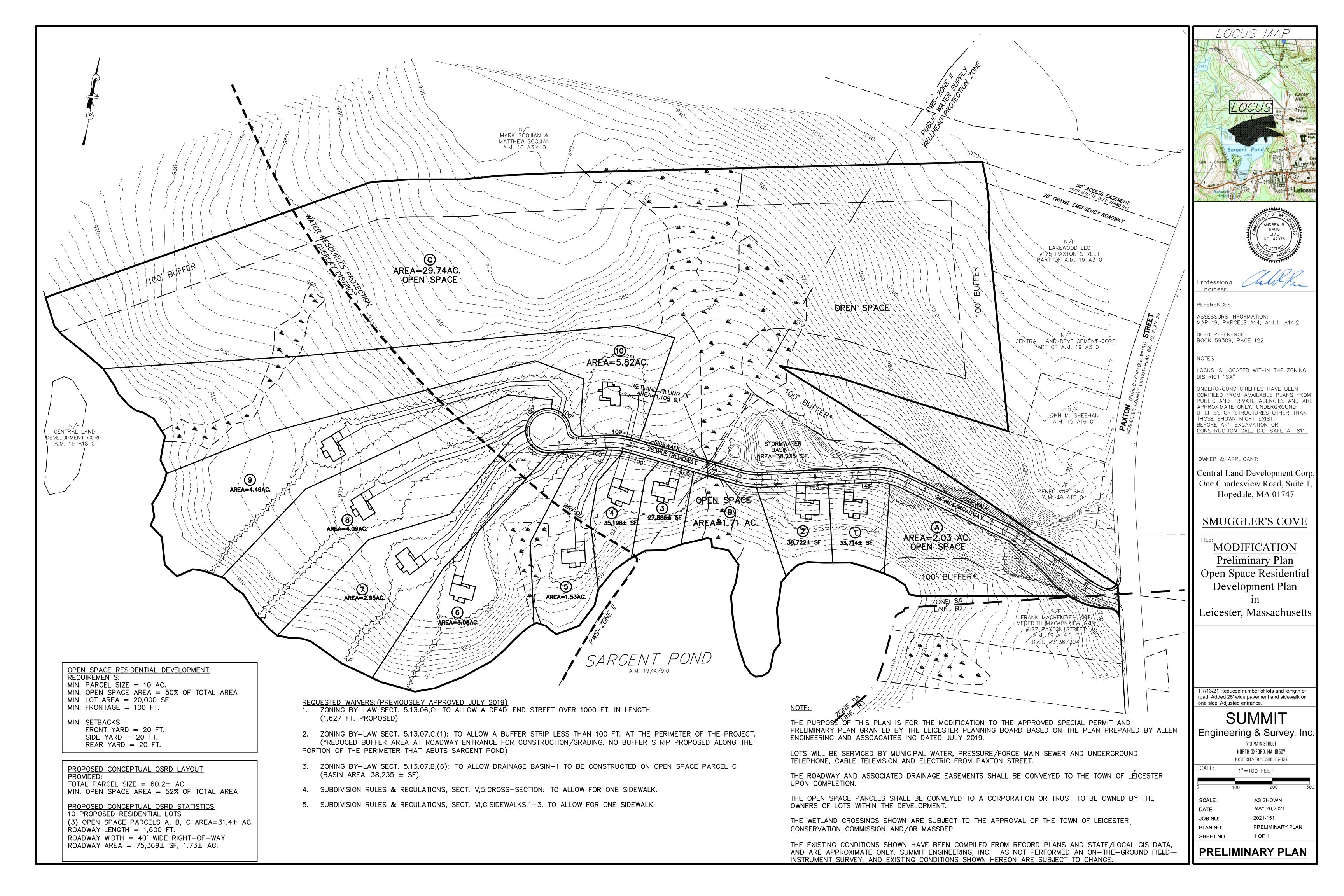
Respectfully Submitted, Summit Engineering & Survey, Inc. By:  $\gamma$ 

Peter Lavoie

Peter Lavoie, Project Engineer

## Summit Engineering & Survey, Inc.

710 Main Street North Oxford MA 01537 (P) 508-987-8713 (F) 508-987-8714





**Town of Leicester PLANNING BOARD** 3 WASHBURN SQUARE LEICESTER, MASSACHUSETTS, 01524-1333 Phone: 508-892-7007 Fax: 508-892-7070 www.leicesterma.org

## SPECIAL PERMIT DECISION Amendment 8/3/2021 rough draft

Date:

File Number:	SP2019-02
Applicant:	Matt Schold Central Land Development Corp. One Charlesview Road, Suite 1 Hopedale, MA 01747
Owner:	Same as Applicant
Location:	off Paxton Street. Assessors' Map 19, Parcels A14, A14.1, and A14.2
Deed Ref.:	Book 59309/Page 122
Zoning:	Suburban Agriculture (SA)/Residential 2 (R2) Water Resources Protection Overlay District
Water/Sewer:	Leicester Water Supply District (water & sewer)
Subject:	Application for amendment to a Special Permit granted under §5.13 of the Leicester Zoning Bylaw to allow an Open Space Residential Development

The decision of the Planning Board on the above-referenced application is as follows:

#### **PROCEDURAL HISTORY:**

- 1. On January 7, 2020, the Planning Board issued a Special Permit for a 24 lot Open Space Residential Development (OSRD) under §5.13 of the Leicester Zoning Bylaw. The project included a 2,607' paved road and gravel emergency access drive providing secondary access on Paxton Street.
- 2. On June 7, 2021, the applicant submitted a request to amend the 2020 special permit, specifically to reduce the amount of lots from 24 to 13, and the paved roadway length (from 2,607' to 2,000'). As with the 2020 plan, the project included a long gravel emergency access drive. After conversations with the Highway department and public safety officials, the applicant submitted a revised plan on July 15, 2021 showing 10 lots and a 1,627' paved road with no emergency access way.
- 3. All application materials are on file with the Planning Board. The Board's decision is based on the following submittals:

- a. Application packet received June 7, 2021 (application forms, 6/2/2021 project narrative, 6/2/2021 waiver request letter, letter from the Leicester Water Supply District, & abutters list)
- b. The following Plans (1 sheet) prepared by Summit Engineering & Survey, Inc., dated May 26, 2021, revised July 13, 2021:

Sheet Title	Sheet #
Modification Preliminary Plan: Open Space Residential Development	1 of 1
Plan in Leicester, MA	1 01 1

- c. Color presentation plan showing estimated location of houses, prepared by Summit Engineering and Associates, Inc. May 26, 2021, revised July 13, 2021.
- d. Letter from Peter Lavoie of Summit Engineering & Survey, Inc. dated July 14, 2021 (describing modifications to plans).
- e. Letter from Matt & Jenny Schold, Schold Development dated July 12, 2021 (response to June 10, 2021 letter from Carrie Panepinto).
- f. Letter from Jennifer Schold to Jennifer Fish, Service Forestry Program Director DCR, undated (response to Chris Capone email dated June 29, 2021)
- 4. The Board engaged Quinn Engineering of Paxton, Massachusetts, pursuant to G.L. c. 44, s. 53G, to review the Applicant's proposed development.
- 5. The Planning Board held a public hearing on the application on July 20, 2021. The hearing was continued to August 3, 2021 (no discussion) and August 17m 2021 to allow the Applicant to address comments from the public, the Board and other Departments. At each hearing date(s) opportunity was given to all those interested to be heard in favor of or opposition to such application. The hearing was closed on \_\_\_\_\_\_.
- 6. During the review process, the following documents, exhibits, and plans were submitted to the Planning Board:
  - a. The plans and submittals referred to above;
  - b. Correspondence of Quinn Engineering, Inc. to Leicester Planning Board dated July 2, 2021 and July 21, 2021;
  - c. Written comments from the following Town Boards and Departments: Fire Department, Highway Department, and Police Department.
  - d. Letter from Attorney George H. Harrris dated July 12, 2021 (easement information)
  - e. Email from Carrie Panepinto to the Leicester Planning Board dated June 10, 2021.
  - f. Email from Chris Capone, State Forester DCR, dated June 29, 2021
  - g. Leicester Water Supply District Amendment Review, undated
  - h. Letter from Town Counsel Petrini & Associates dated July 30, 2021 (privileged attorney-client communication; not public record)

#### FINDINGS:

 As noted above, this application is to amend a previously-granted special permit for 24 lot Open Space Residential Development (OSRD) on a 60.2± acre vacant wooded tract of land (3 parcels) west of Paxton Street and north of Sargent Pond in the Suburban Agriculture (SA) zoning districts and Water Resources Protection Overlay District (a tiny portion of the site is in the Residential 2 (R2) zoning district). Findings below are from the 2019 approval:

- 2. The proposed 24 lot Open Space Residential Development (OSRD) is on a 60.2± acre vacant wooded tract of land (3 parcels) west of Paxton Street and north of Sargent Pond in the Suburban Agriculture (SA) zoning districts and Water Resources Protection Overlay District (a tiny portion of the site is in the Residential 2 (R2) zoning district). The site is also accessible via an existing 50-foot wide access easement to Paxton Street at the northeast corner of the tract. The land abuts Sargent Pond with approximately 3,700 feet of water frontage and the entirety of the site slopes from its northern border southerly toward Sargent Pond.
- 3. The OSRD project as submitted proposes 24 residential lots (14 with water frontage) on a proposed new roadway off Paxton Street and terminating with a cul-de-sac. A second means of access will continue from the cul-de-sac back through the northerly portion of the subdivision connecting to Paxton Street through the existing access easement. The remainder of the site (31 acres) will be designated as Open Space. The greater portion of the open space will be along the northern side of the tract, directly accessible from the proposed secondary access way. Two other open space parcels along the southern border will provide access from the cul-de-sac roadway to Sargent Pond.
- 4. In response to comments received during the review process, the secondary access is proposed as a gravel base with 6-8" of compacted asphalt millings. In addition, the Applicant will provide a transition strip (approximately 4' wide and 40' long) along the west side of Paxton Street for southbound traffic entering the project. The Leicester Public Safety Committee approved the secondary access and transition strip as described above at their meeting of September 10, 2019.
- 5. The proposed site will be provided with public sewer, water, underground electrical and communication services from the existing public utilities located Paxton on Street. In addition to those utilities a proposed stormwater management system will be designed for the developed site to conform to the current Massachusetts DEP Stormwater Management Standards. The project will require Conservation Commission review and approval.
- 6. The Conventional lot plan required to determine the total number of lots to be created for the OSRD concept shows 27 lots on ±5,249 lineal feet of new roadway with two entrances on Paxton Street. The formula in Section 5.13.05.B(3) of the Zoning Bylaw results in a yield of 28 lots.
- 7. The OSRD development plan is designed to allow single family residential dwelling units to be "clustered" closer together to minimize the total area of site disturbance for the proposed number of dwellings as compared to a conventionally zoned development and thereby provide for more permanent protected open space. The OSRD concept proposes 2,607 feet of roadway (and a 2,692 foot secondary access way as described above). Along this proposed roadway would be twenty-four (24) frontage lots in conformance with the current Zoning Bylaws. The OSRD bylaw requires a minimum lot size of 20,000 square feet in the SA district; all lots proposed are well in excess of this requirement. Proposed lots range in size from 27,664 154,157 square feet (average of 47, 865 square feet). All lots exceed the minimum required frontage of 100 feet.

- 8. Both the conventional and OSRD proposals show roadways over easements on land owned by others.
- 9. Leicester's Zoning Bylaw, Section 5.13.07 (A) requires that "no less than 50% of the land area shall be devoted to open space" and "no more than 50% of the open space may contain wetlands." The OSRD plan shows  $\pm 31.3$  acres of open space (52% of the total land area of  $\pm 60.2$  acres). The proposed open space contains 2.3 acres of wetlands (7.3%).
- 10. The Applicant proposes that the open space remain private as part of a Homeowners' Association that will maintain it in perpetuity. The Open Space will be available to residents of the subdivision to access the open space using existing logging trails. In addition, a beach and swim area will be provided for homeowners that don't have direct water access.
- 11. MGL, Chapter 40A, §9 requires that the Board find uses allowed by special permit to be "in harmony with the general purpose and intent of the ordinance or bylaw." The Board finds that this project is in harmony with the purpose and intent of the Bylaw.
- 12. Special Permit Criteria in Section 5.13.09 (B) of the Zoning Bylaw:
  - a) The development meets the purpose of an Open Space Residential Development as described in Section 5.13.01.

The OSRD plan preserves  $\pm 31.3$  acres (52% of the total land area of  $\pm 60.2$  acres) as permanently protected open space. The project accommodates the site's physical characteristics, particularly wetlands and topography, by reducing the overall footprint of roadways and residential development areas thereby minimizing impacts on the site's wetland areas. The open space area will preserve scenic vistas of Sargent Pond below. The peninsula extending into Sargent Pond from the site will also be preserved as open space restricted to use by the residents of the subdivision.

b) The site design shall preserve and, where possible, enhance the historic and natural features of the property, including scenic views, by adapting the location and placement of structures and ways to the existing topography in order to minimize the amount of soil removal, tree cutting and general disturbance to the landscape and surrounding properties.

As noted above, the project preserves a significant amount of open space and is designed to adapt to existing topography. The project minimizes soil removal, tree cutting and land disturbance. Special historic and natural features will be further identified and provided for in development of the Definitive Subdivision Plan.

c) The site design shall identify and ensure preservation of significant and special historic and natural features.

The site design protects significant wetland areas and scenic views of Sargent Pond. The Applicant will investigate potential historic cave of historic interest per comments from the Historical Commission. The Notice of Intent process through the Conservation Commission will also be required.

d) The open space is designed in accordance with the standards set forth in this Section 5.13. The Board finds that the project meets these standards as conditioned herein and as modified by vote of the Board (see WAIVERS, below). [Note: these are specifically the standards in Section 5.13.07 – Open Space Use & Design Standards. The project meets these standards except where the Applicant has requested waivers to allow a drainage basin in the open space and reduce buffers as described below.]

- e) The parcel could be developed as a conventional subdivision under existing local, state and federal land use regulations.
   The Board finds that the site could be developed as a conventional subdivision.
- f) The Open Space Residential Development provides for efficient use and delivery of municipal and other services and infrastructure. The residential lots will be served by public water and sewer. The project will minimize road maintenance costs as compared to a standard development.

#### WAIVERS:

#### WAIVERS: [as written below is based on the July 2021 submittal]

#### Zoning Bylaw:

- 1. Section 5.13.06.C.: To allow a dead-end street over 1,000' in length [The Board took no action; a ZBA variance is required.]
- 2. Section 5.13.07.C.1: To allow a buffer of less than 100' at the perimeter of the project. [The Board previously granted this waiver, with conditions, as part of the 2020 approval.]
- Zoning Bylaw §5.13.07.B.(6): to allow drainage basin 1 to be constructed in open space parcel C. (Board may allow clearing of up to 5% for this purpose). The basin area is 17,000± square feet (1.4% of open space parcel C.) [The Board granted this waiver as part of the 2020 special permit decision.]

#### **Subdivision Rules and Regulations**

In accordance with Section 5.13.06.D of the Zoning Bylaw, the Planning Board approved/disapproved the following reduction of minimum subdivision standards after finding that such waivers will result in better site design, improved protection of historic, natural and scenic resources, and will be consistent with the purpose of this Section 5.13:

- 4. Section V.2.(A): To allow a travelled way width of 26 feet (28 feet required). [The Board previously voted to approve 24' feet]
- 5. Sections V.5 and VI.G: to allow for the one sidewalks (sidewalk required on both sides of proposed roads). [The Board previously approved one sidewalk.]

#### **DECISION:**

In view of the foregoing, at the meeting of January 7, 2020, the Planning Board voted to approve the Special Permit application for the above-described project. As used in this decision, the term "Applicant" shall mean the Applicant, its heirs, successors and assigns. Unless otherwise specified, the Board may designate an agent or agents to review and approve matters set forth in this decision. The Planning Board's approval is subject to the following conditions:

#### **CONDITIONS:**

#### <u>General</u>

- 1. This special permit shall not take effect until it has been recorded at the Worcester District Registry of Deeds and evidence of such recording is delivered to the Planning Board.
- 2. If the rights authorized by this Special Permit are not exercised by January 7, 2022 (two years from the date of approval), they shall lapse and may be re-established only after notice and new hearing in accordance with MGL, Chapter 40A. For the purposes of this special permit, approval of the related Definitive Subdivision Plan (hereafter referred to as the Definitive plan) shall be considered exercising the rights granted herein. This deadline may be extended for good cause upon the written request of the applicant *prior to the specified deadline*.

#### **<u>Project-Specific Conditions:</u>**

- 3. The Definitive plan shall be in substantial conformance with the plans submitted to the Planning Board and this Special Permit Decision.
- 4. The Definitive Plan shall include a revised calculation of the formula in Section 5.13.05.b (3) based on final wetland delineation. If the formula results in fewer than 24 lots, the Board may reconsider the total number of allowable lots.
- 5. The Definitive Plan shall show a transition strip (approximately 4' wide and 40' long) along the west side of Paxton Street for southbound traffic entering the project.
- 6. The Definitive Plan shall show the secondary access as a minimum of a gravel base with 6-8" of compacted asphalt millings.
- 7. The Definitive plan shall clearly show the boundaries of the buffer required by Section 5.13.07.C. (as reduced in certain areas by vote of the Board).
- 8. The Planning Board's approval specifically allows a model home for the project to be located on adjacent property owned by the applicant at 173 Paxton Street.
- 9. The applicant shall notify the Historical Commission if evidence of a cave used by an early Leicester settler is found on the site.
- 10. Where the required 100 foot buffer has been reduced at the entrance to the project, landscaping and/or other screening shall be provided to the satisfaction of the Planning Board to screen the project from abutting landowners. The Definitive plan shall show detailed plans for such landscaping and/or other screening. Screening may consist of existing vegetation where sufficient to screen the project from abutting landowners.
- 11. Where the required 100 foot buffer has been reduced along the shoreline of Sargent Pond, the Definitive plan shall show details of no-cut easements, conservation restrictions or similar

land use restrictions in accordance with Section 5.13.07.C.(2) of the Zoning Bylaw where the buffer has been reduced, with the intent of minimizing tree removal within the 100 foot buffer, allowing only limited tree clearing for water access for residents.

12. The Open Space shall be maintained in perpetuity in accordance with Section 5.13.08 of the Zoning Bylaw (Open Space Ownership and Management). The open space shall be conveyed (or otherwise protected) as soon as practical; the specific deadline shall be determined by the Planning Board at the Definitive plan approval stage.

Approval by the Planning Board shall not be construed as approval from any other board or official that is needed regarding permitting for this project.

#### **RECORD OF VOTE**

The Board vote was \_\_\_\_\_ in favor of approval \_\_\_\_\_ opposed.

Jason Grimshaw, Chair

Debra Friedman, Vice-Chair

Sharon Nist

Andrew Kularski

Jaymi-Lyn Souza

#### APPEALS

Appeals, if any, shall be made pursuant to M.G.L., Ch. 40A, §17 and notice of appeal shall be filed within 20 days after the date of filing of this notice in the office of the Town Clerk.

Copy of Decision sent to: Town Clerk Applicant\* Owner Building Inspector Assessors Office Quinn Engineering Town Administrator

\* by certified mail

Notice of Decision mailed to:

"Parties in Interest" (abutters & Planning Boards of abutting Towns)

**GRAZ Engineering, L.L.C.** 

 323 West Lake Road • Fitzwilliam, NH 03447 • Telephone (603) 585-6959 • Fax (603) 585-6960

# Transmittal

To: Company Address: City/State	3 Washburn Square	Subject:Parker Street (North) Definitive Plans for EndorsementDate:October 26, 2021Transmitted:□ Mail☑ Email☑ Hand
	<ul> <li>✓ For Your Approval</li> <li>✓ For Your Review</li> <li>□ For Your Signature</li> <li>✓ For Your Information</li> <li>□ For Your Files</li> </ul>	<ul> <li>Which You requested</li> <li>Approved</li> <li>Approved As Noted</li> <li>Revise And Resubmit</li> <li>Not Approved</li> </ul>
	copiesParker Street (North) - FinalemailParker Street (North) - Final	Definitive Subdivision Mylar Plans dated 9/8/2021 Definitive Subdivision Paper Plans dated 9/8/2021 Definitive Subdivision Plans - Digital PDF via Email Definitive Subdivision Plans - Digital CAD via Email

**Comments:** Enclosed are the final mylar Definitive Subdivision Plans and associated paper & digitial copies as set forth in the Planning Board's Definitive Approval, Section E. Conditions, Items 3 & 4, dated September 22, 2021. The Covenant in lieu of the required Performance Guaranty was submitted separately on October 3, 2021 electronically for the Planning Departments review.

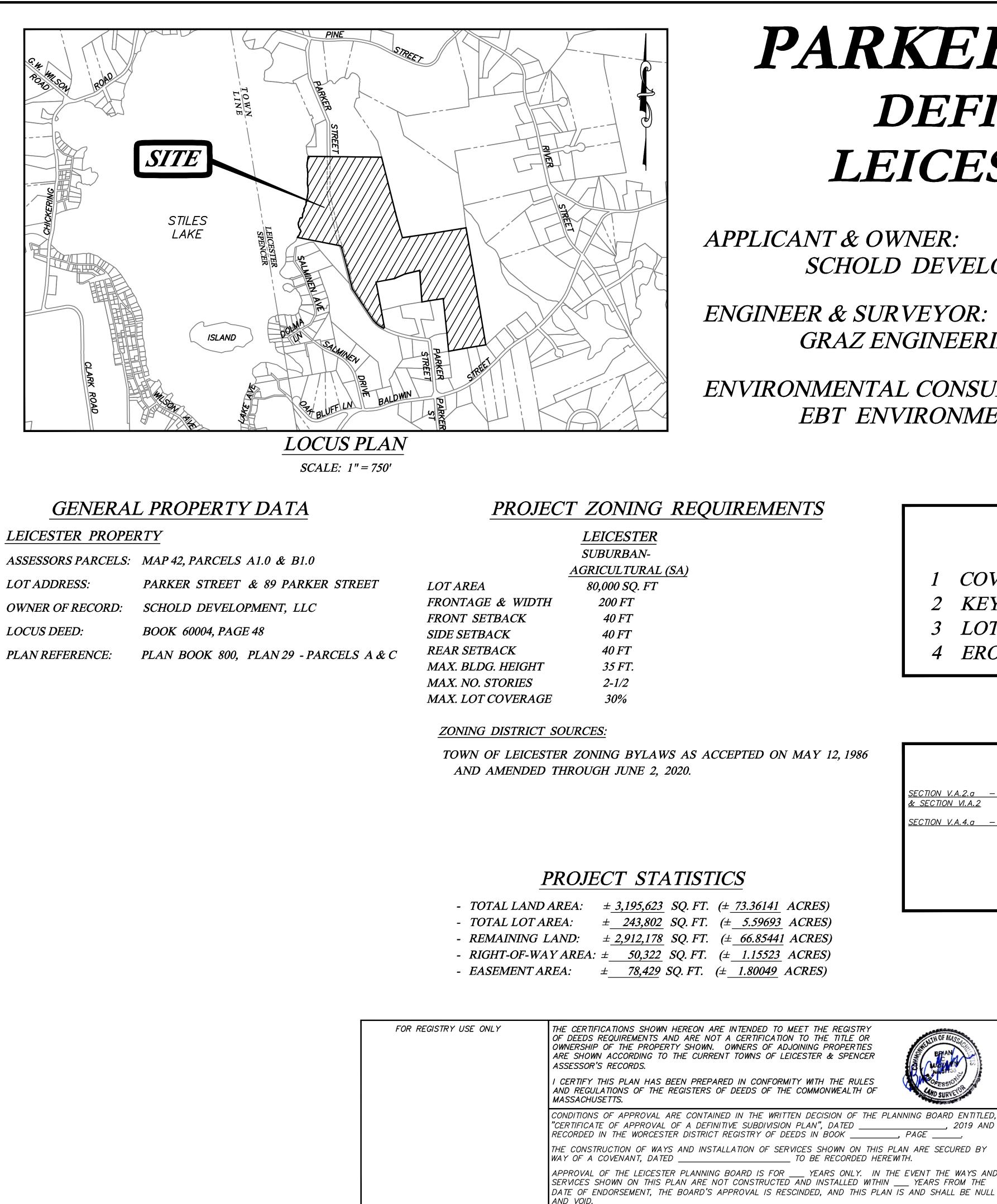
Should you have any questions or require any additional information, please call my cell at 508-769-9084.

Respectfully yours, GRAZ Engineering, L.L.C.

Brian MacEwen, PLS, BSCE

Project Manager

cc: Matt Schold, Applicant/Owner



# PARKER STREET (NORTH) DEFINITIVE SUBDIVISION LEICESTER, MASSACHUSETTS

APPLICANT & OWNER: SCHOLD DEVELOPMENT, LLC, 77 CHICKERING ROAD, SPENCER, MA 01562

ENGINEER & SURVEYOR: GRAZ ENGINEERING, L.L.C., 323 WEST LAKE ROAD, FITZWILLIAM, NH 03447

ENVIRONMENTAL CONSULTANT EBT ENVIRONMENTAL CONSULTING, 2 WELLINGTON ROAD, OXFORD, MA 01540

# PROJECT ZONING REQUIREMENTS

LEICESTER SUBURBAN-AGRICULTURAL (SA) *80,000 SQ. FT* 200 FT 40 FT 40 FT *40 FT 35 FT.* 2-1/2 30%

TOWN OF LEICESTER ZONING BYLAWS AS ACCEPTED ON MAY 12, 1986

- COVER SHEET
- KEY PLAN AND NOTES
- LOT LAYOUT PLAN
- EROSION CONTROL PLAN 4

# LEICESTER PLANNING BOARD WAIVERS REQUESTED

TO ALLOW A TRAVELLED WAY WIDTH OF 20'. <u>& SECTION VI.A.2</u>

<u>SECTION VI.E.3 – STREET LIGHTING SHALL BE REQUIRED</u> <u> SECTION V.A.2.a — MINIMUM WIDTH OF TRAVELLED WAY, 28' MIN. REQUIRED:</u> TO ALLOW STREET LIGHTING TO BE INSTALLED AS STIPULATED IN THE WRITTEN PLANNING BOARD DECISION AND AS DEPICTED ON THE FINAL APPROVED PLANS. SECTION V.A.4.a — MAXIMUM LENGTH OF DEAD—END CUL—DE—SAC, 500' MIN. REQUIRED: <u>SECTION VI.G.1 – SIDEWALKS SHALL BE INSTALLED ON BOTH SIDES OF THE ROADWAY.</u> TO ALLOW DEAD-END STREET LENGTH OF 22+05.33' & TO ALLOW FOR NO SIDEWALKS INSTALLATION. RIGHT-OF-WAY LENGTH OF 22+15.33' BOTH AS MEASURED FROM SOUTHERLY EDGE OF PINE STREET. <u>SECTION VI.L – STREET SHADE TREES SHALL BE INSTALLED ON BOTH SIDES OF THE ROADWAY.</u> TO ALLOW FOR STREET TREE PLANTINGS TO BE INSTALLED ONLY ON THE WESTERLY SIDE OF THE PROPOSED ROADWAY AS DEPICTED ON THE FINAL APPROVED PLANS

# **PROJECT STATISTICS**

$\pm$	3,195,623	SQ. FT.	(± <u>73.36141</u>	ACRES)
$\pm$	243,802	SQ. FT.	(±5.59693	ACRES)
$\pm$	2,912,178	SQ. FT.	(± <u>66.8544</u>	1 ACRES)
A: ±	50,322	SQ. FT.	(±1.15523	ACRES)
$\pm$	78,429	SQ. FT.	(± <u>1.80049</u>	ACRES)

THE CERTIFICATIONS SHOWN HEREON ARE INTENDED TO MEET THE REGISTRY OF DEEDS REQUIREMENTS AND ARE NOT A CERTIFICATION TO THE TITLE OR OWNERSHIP OF THE PROPERTY SHOWN. OWNERS OF ADJOINING PROPERTIES ARE SHOWN ACCORDING TO THE CURRENT TOWNS OF LEICESTER & SPENCER ASSESSOR'S RECORDS.

CERTIFY THIS PLAN HAS BEEN PREPARED IN CONFORMITY WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF

CONDITIONS OF APPROVAL ARE CONTAINED IN THE WRITTEN DECISION OF THE PLANNING BOARD ENTITLED, \_\_\_\_, 2019 AND "CERTIFICATE OF APPROVAL OF A DEFINITIVE SUBDIVISION PLAN". DATED RECORDED IN THE WORCESTER DISTRICT REGISTRY OF DEEDS IN BOOK \_\_\_\_\_, PAGE \_\_\_\_\_. THE CONSTRUCTION OF WAYS AND INSTALLATION OF SERVICES SHOWN ON THIS PLAN ARE SECURED BY

WAY OF A COVENANT, DATED \_ \_\_\_ TO BE RECORDED HEREWITH. APPROVAL OF THE LEICESTER PLANNING BOARD IS FOR \_\_\_\_ YEARS ONLY. IN THE EVENT THE WAYS AND SERVICES SHOWN ON THIS PLAN ARE NOT CONSTRUCTED AND INSTALLED WITHIN \_\_\_\_ YEARS FROM THE

CERTIFICATE OF NO APPEAL	SUBDIV PLANNING
THIS IS TO CERTIFY THAT THE NOTICE	
OF APPROVAL OF THIS PLAN BY THE	
LEICESTER PLANNING BOARD WAS	
RECEIVED AND RECORDED AT THIS	
OFFICE ON AT	
AND NO APPEAL WAS RECEIVED	
DURING THE 20 DAYS NEXT AFTER SUCH	

RECEIPT AND RECORDING OF SAID NOTICE.

TOWN CLERK - LEICESTER

DATE \_\_\_\_

DATE: \_\_\_\_\_

# LIST OF DRA WINGS

5 PARKER STREET PLAN & PROFILE (SHT 1 OF 2)

6 PARKER STREET PLAN & PROFILE (SHT 2 OF 2)

7 CONSTRUCTION NOTES & DETAILS

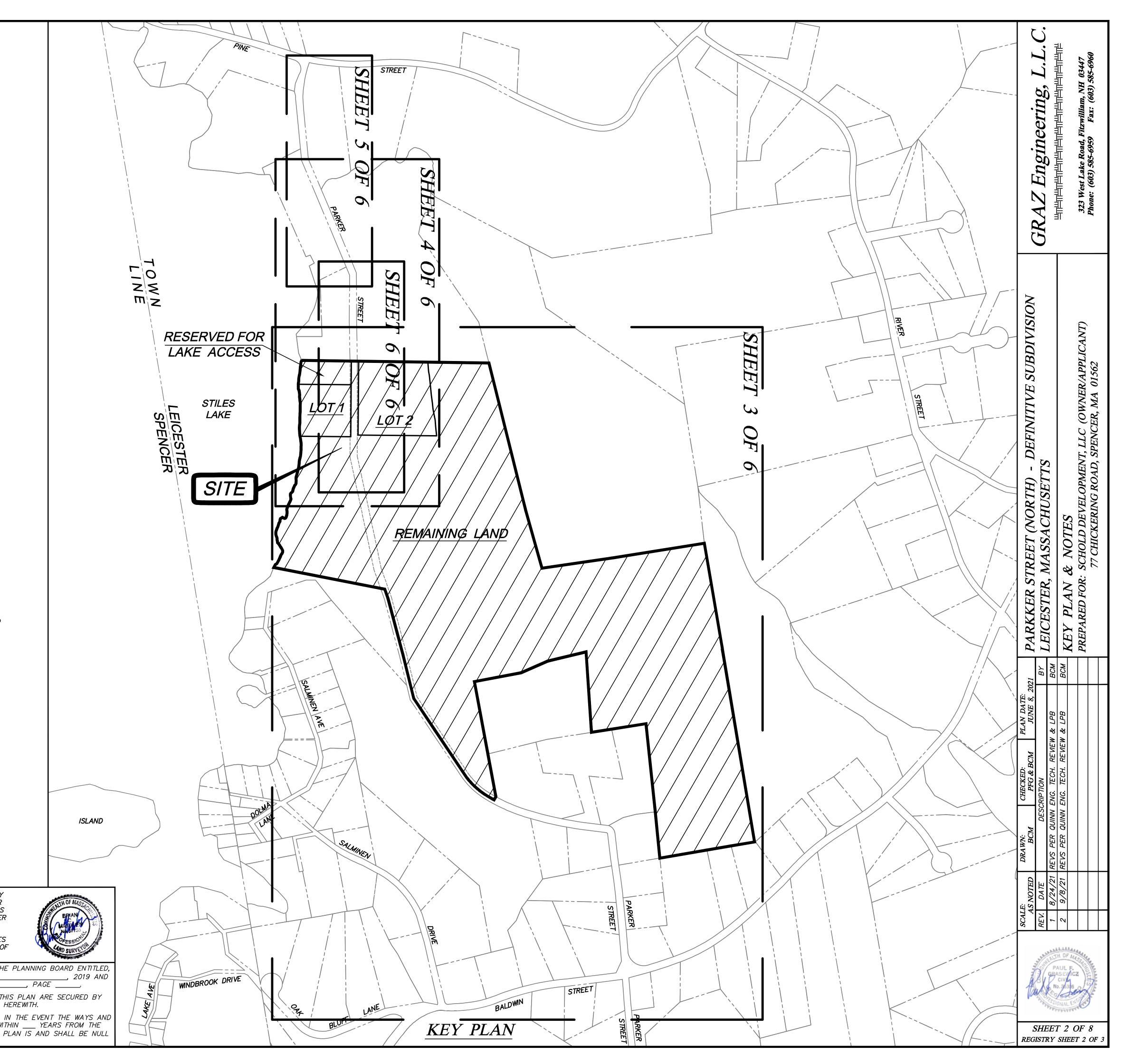
8 DRAINAGE DETAILS

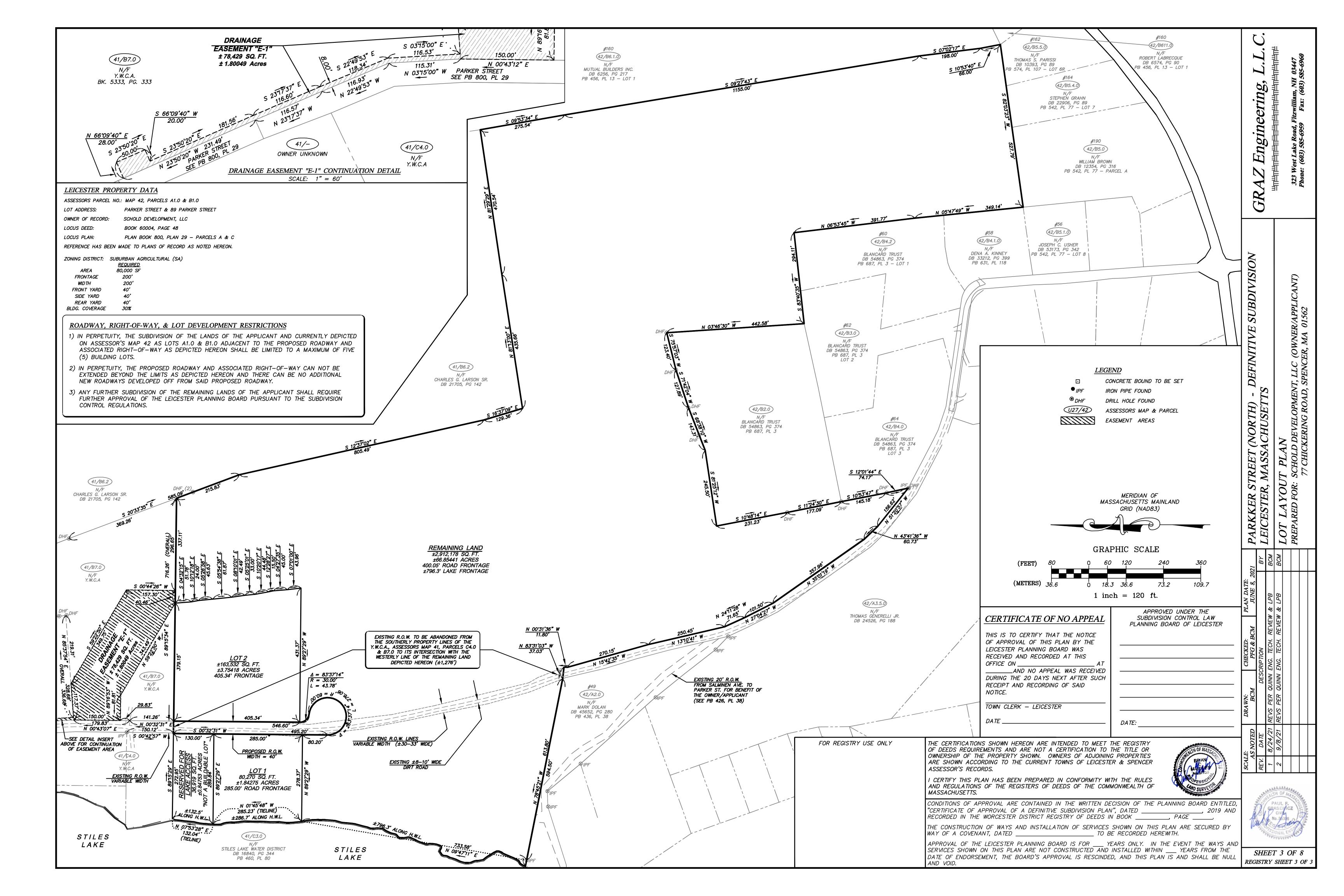
	_						
APPROVED UNDER THE SUBDIVISION CONTROL LAW	SCAL	E: AS NOTED	DRAWN: BCM	CHECKED: PFG & BCM	PLAN DATE: JUNE 8, 20	21	
NNING BOARD OF LEICESTER	REV.	DATE		DESCRIPTION		BY	
	1	8/24/21	REVS PER QUINN	ENG. TECH. REVIEV	V & LPB	ВСМ	
	2	9/8/21	REVS PER QUINN	ENG. TECH. REVIEV	V & LPB	ВСМ	JAANAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
							AND THE MULTING MASSING
							GRASEVICZ
							No. 36306 0 7
							MAR ANT
							STONAL EN CO
							SHEET 1 OF 8
							REGISTRY SHEET 1 OF 3

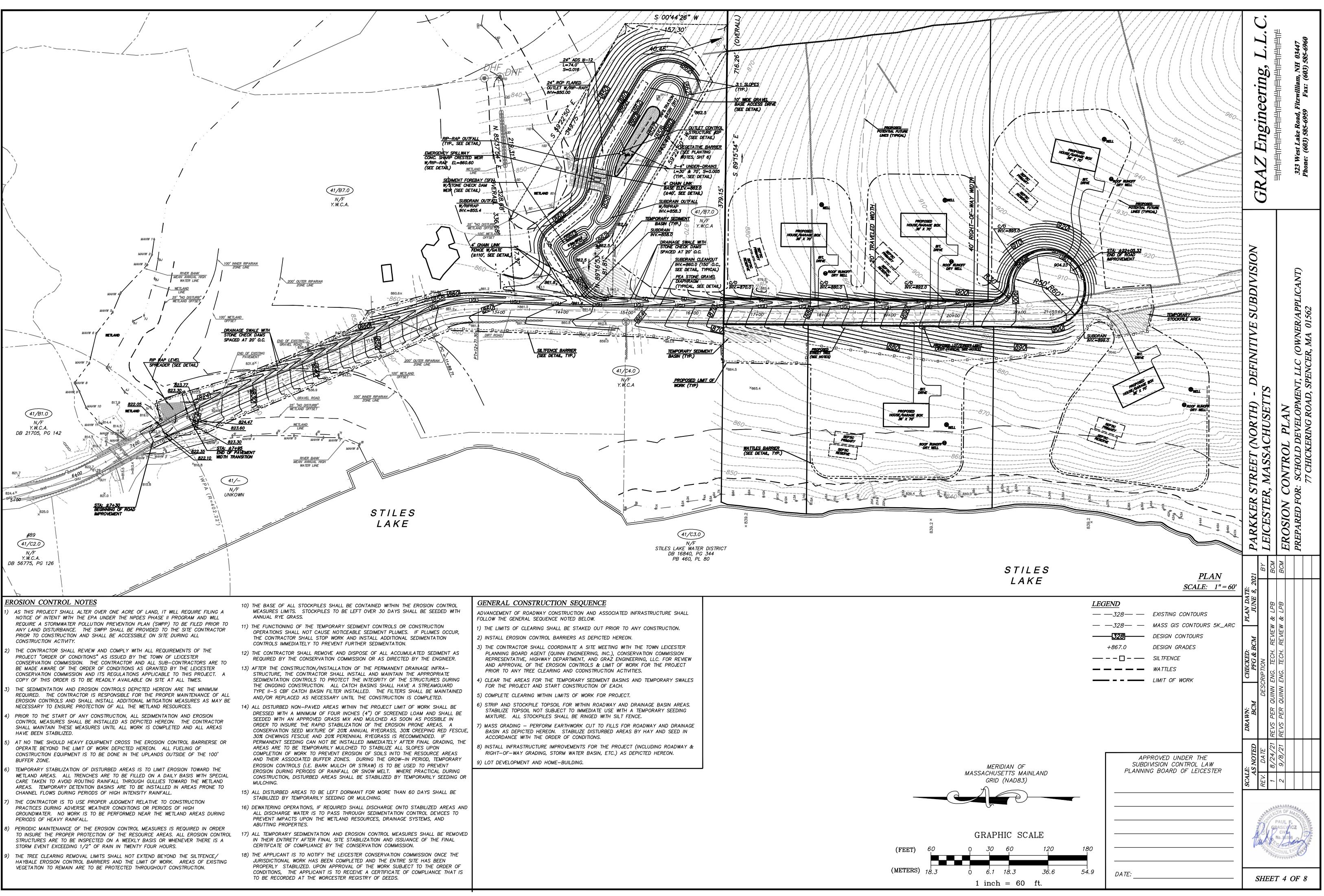
AND AS STIPULATED IN THE CONDITIONS OF THE WRITTEN PLANNING BOARD DECISION

GENERAL NOTES
---------------

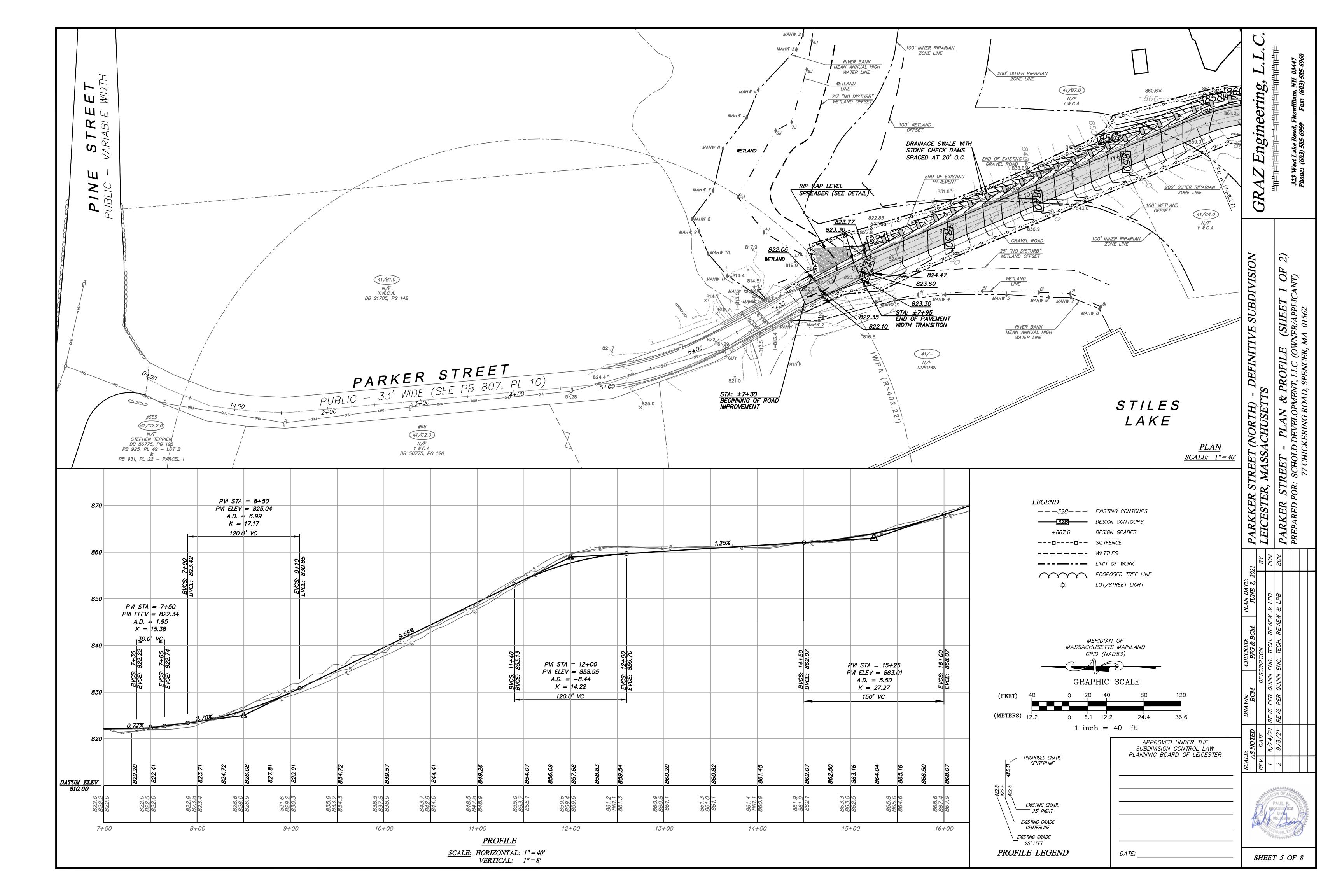
GENERAL NOTES		
	S, AND UTILITIES DEPICTED HEREON ARE BASED ON AERIAL ST, INC. FROM AERIAL PHOTOGRAPHS TAKEN IN 2004.	
ARE THE RESULT OF THE RESULT OF AN	AERIAL PHOTOGRAMMETRY INFORMATION DEPICTED HEREON ACTUAL ON THE GROUND FIELD SURVEY PERFORMED BY THE 2005 AND MARCH 2005 AND COMPILATION OF THE DEEDS	
3) THE HORIZONTAL AND VERTICAL DATUMS PERFORMED AT THE SITE.	WERE ESTABLISHED BY NETWORK—RTK GNSS GPS	
HORIZONTAL DATUM & BEARING BASIS	= MASSACHUSETTS MAINLAND GRID (NAD83)	
VERTICAL DATUM = NAVD88 (REFER TO BENCHMA	PLAN FOR LOCATION OF RKS SET DURING SURVEY)	
	FEET HIGHER THAN THE NAVD 1988 DATUM.	
4) THE TOWN LINE DEPICTED HEREON WAS DE	TERMINED BY NETWORK RTK-GNSS LOCATION OF THE TOWN	
5) THE WETLANDS WERE FIELD DELINEATED B	), NAD 83). Y EBT ENVIRONMENTAL CONSULTING, INC. IN OCTOBER 2005	
AND WERE LOCATED BY THE FIELD SURVE 6) THE PORTION OF THE SITE ADJOINING THE	Y CITED ABOVE. EASTERLY SIDE OF STILES LAKE LIES WITHIN ZONE A,	
FLOOD INSURANCE PROGRAM FLOOE INSUF	LEVATIONS DETERMINED AS SET FORTH ON THE NATIONAL RANCE RATE MAP (FIRM) 25027C0780E WITH THE REMAINDER FLOOD HAZARD AS SET FORTH ON THE FIRM 25027C0783E, F JULY 4, 2011.	
ON THE FIELD LOCATION OF THE OBSERVA WATER GATES, ETC. AND THE COMPILATION COMPANIES, AND GOVERNMENT AGENCIES. AND SUB-SURFACE STRUCTURES ARE SHO INVERT ELEVATIONS OF THE UTILITIES AND	ITIES SHOWN HEREON, ARE APPROXIMATE AND ARE BASED ABLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, N OF INFORMATION OBTAINED FROM VARIOUS UTILITY THE ENGINEER DOES NOT GUARANTEE THAT ALL UTILITIES OWN. THE CONTRACTOR SHALL VERIFY SIZE, LOCATION, AND STRUCTURES, AS REQUIRED PRIOR TO THE START OF NOTIFY THE ENGINEER IF ANY DISCREPANCIES ARE	
OBSERVED BETWEEN THE EXISTING CONDIT 8) IN ACCORDANCE WITH CHAPTER 82, SECTI SHALL NOTIFY IN WRITING ALL UTILITY CON	IONS DEPICTED HEREON AND THE ACTUAL CONDITIONS. ON 40, INCLUDING AMENDMENTS, ALL CONTRACTORS MPANIES AND GOVERNMENT AGENCIES PRIOR TO ANY	
9) A FIFTEEN FOOT (15') WIDE TEMPORARY S PARALLEL AND ALONG THE ENTIRE PROPO	AT 1-888-344-7233 72 HOURS BEFORE ANY EXCAVATION. LOPE AND CONSTRUCTION EASEMENT SHALL BE PROVIDED DSED RIGHT-OF-WAY ACROSS THE FRONTAGE OF EACH LOT. DN EASEMENT SHALL BE EXTINGUISHED UPON ACCEPTANCE	
10) THE DRAINAGE AND UTILITY EASEMENTS L	DEPICTED HEREON ARE REQUIRED BY THE TOWN OF (S IN ORDER TO MAINTAIN THE DRAINAGE INFRASTRUCTURE	
(SWALES, PONDS, ETC.) AND SHALL BE		
		AND
		DF MAINL 33)
		INAN C
	GRAPHIC SCALE	HUSE
(FEET) <i>250</i>	0 <i>125 250 500 750</i>	MASSAC
		W Y
(METERS) 76.2	0' 3'8.1 7'6.2 15'2.4 22'8.6	
	1  inch = 250  ft.	
APPROVED UNDER THE		٩
SUBDIVISION CONTROL LAW PLANNING BOARD OF LEICESTER	CERTIFICATE OF NO APPEAL	
	THIS IS TO CERTIFY THAT THE NOTICE OF APPROVAL OF THIS PLAN BY THE	
	LEICESTER PLANNING BOARD WAS RECEIVED AND RECORDED AT THIS	
	OFFICE ON AT	
	DURING THE 20 DAYS NEXT AFTER SUCH RECEIPT AND RECORDING OF SAID	
	NOTICE.	
	. TOWN CLERK - LEICESTER	
DATE:	DATE	
FOR REGISTRY USE ONLY	THE CERTIFICATIONS SHOWN HEREON ARE INTENDED T OF DEEDS REQUIREMENTS AND ARE NOT A CERTIFICAT OWNERSHIP OF THE PROPERTY SHOWN. OWNERS OF ARE SHOWN ACCORDING TO THE CURRENT TOWNS OF ASSESSOR'S RECORDS.	TION TO THE TITLE OR ADJOINING PROPERTIES
	I CERTIFY THIS PLAN HAS BEEN PREPARED IN CONFO AND REGULATIONS OF THE REGISTERS OF DEEDS OF MASSACHUSETTS.	
	CONDITIONS OF APPROVAL ARE CONTAINED IN THE WE "CERTIFICATE OF APPROVAL OF A DEFINITIVE SUBDIVIS RECORDED IN THE WORCESTER DISTRICT REGISTRY OF	ION PLAN", DATED
	THE CONSTRUCTION OF WAYS AND INSTALLATION OF S WAY OF A COVENANT, DATED	
	APPROVAL OF THE LEICESTER PLANNING BOARD IS FO SERVICES SHOWN ON THIS PLAN ARE NOT CONSTRUCT	DR YEARS ONLY. II
	DATE OF ENDORSEMENT, THE BOARD'S APPROVAL IS I AND VOID.	

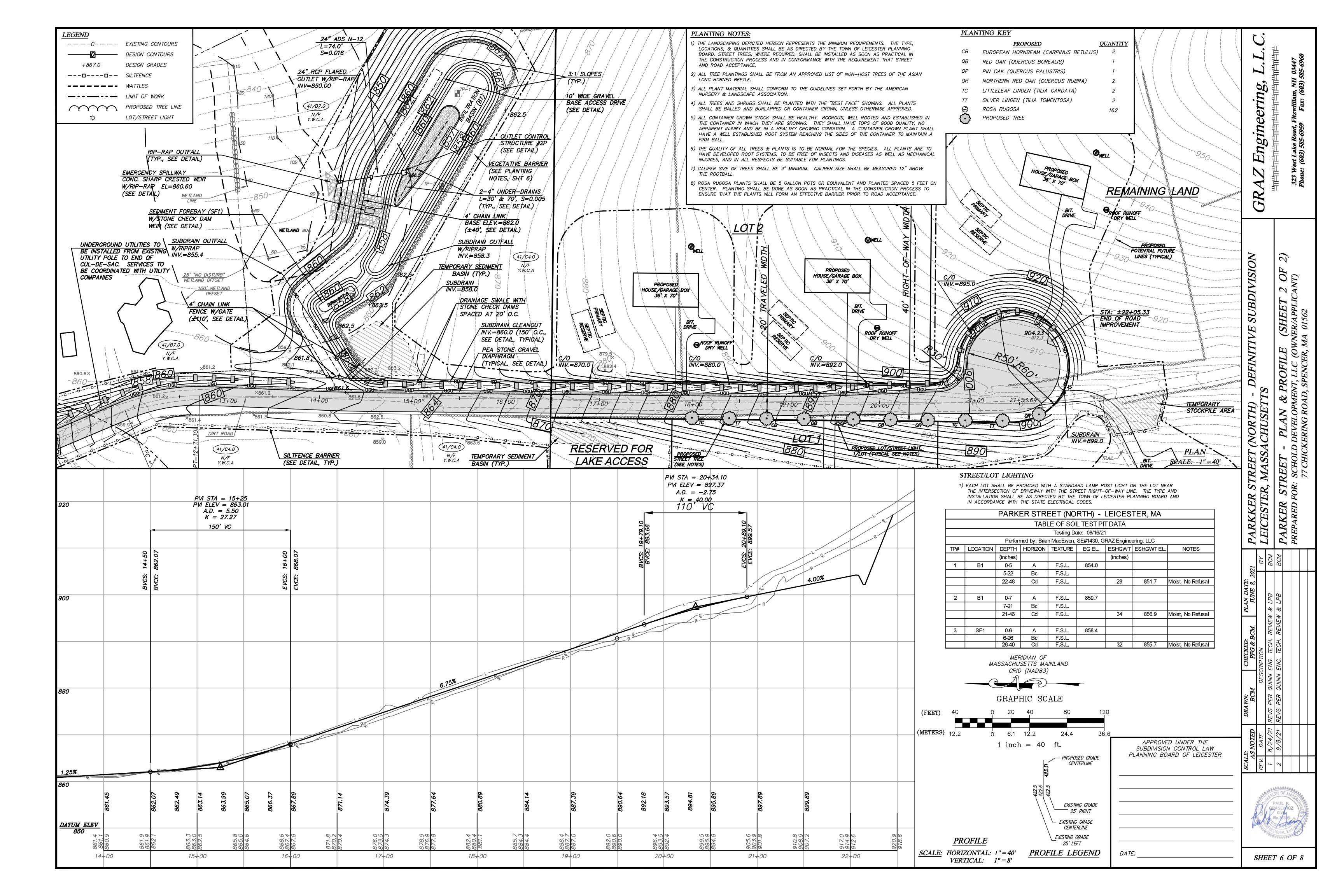


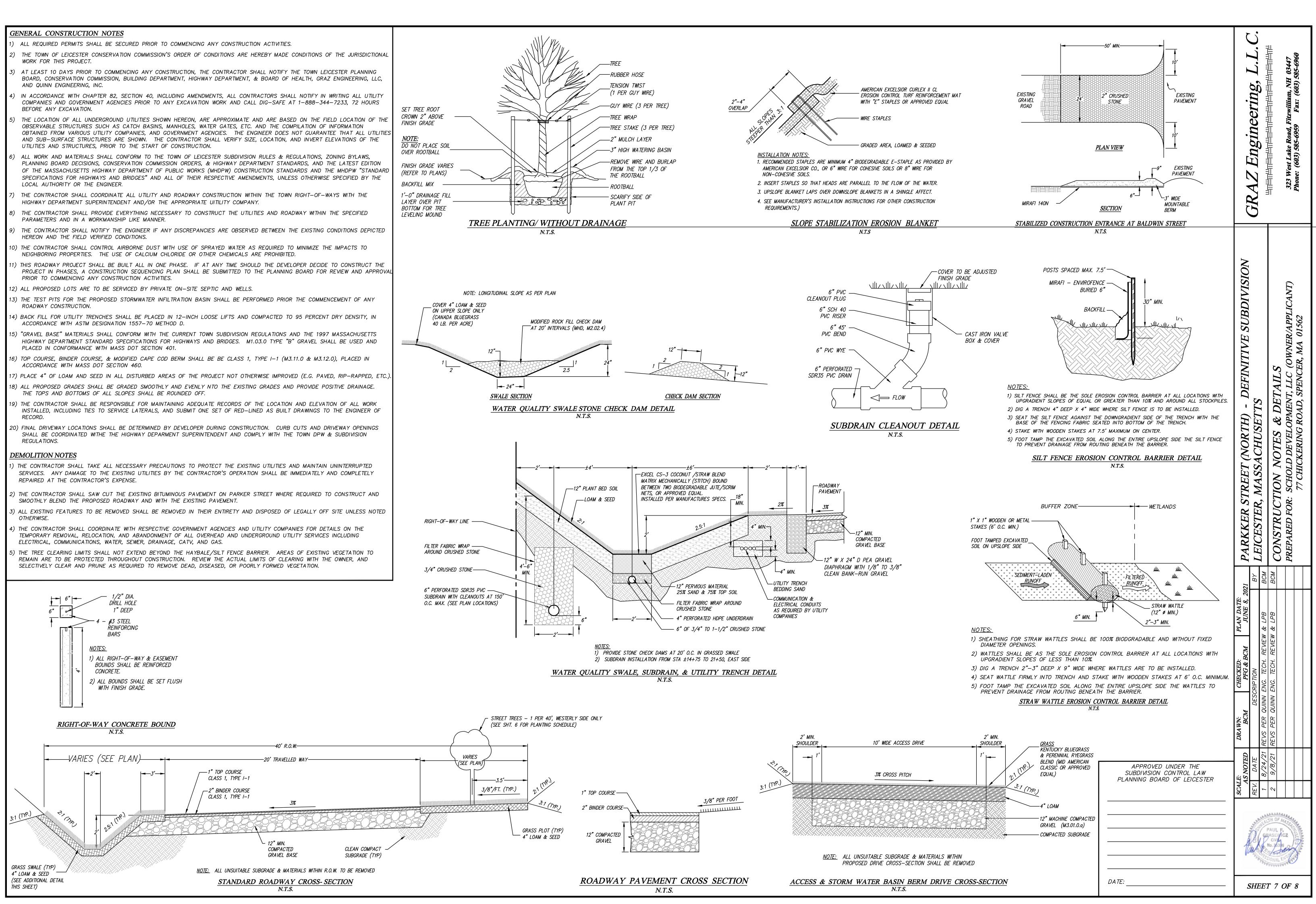


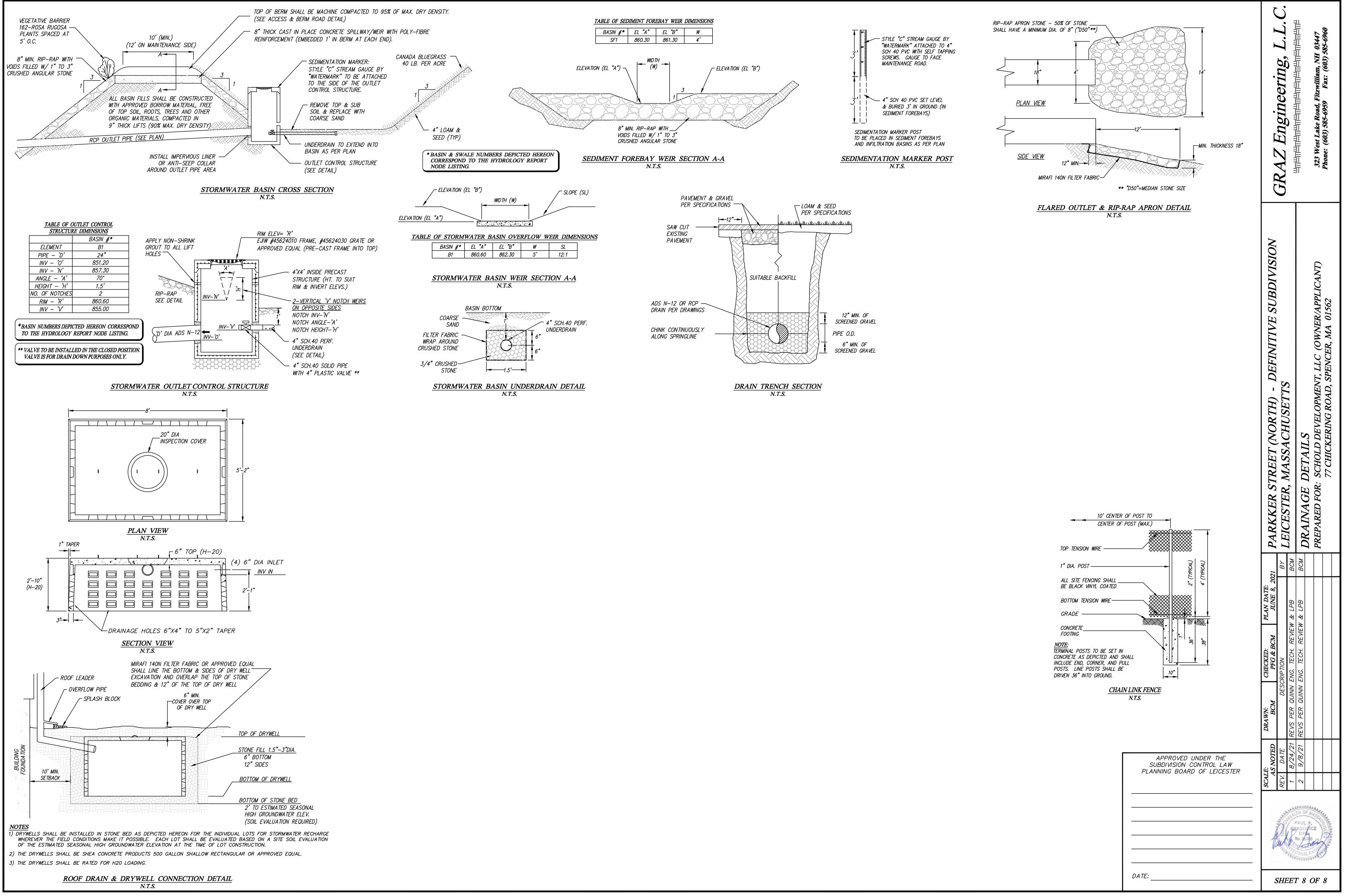


CONTROL EEDED WITH	GENERAL CONSTRUCTION SEQUENCE
	ADVANCEMENT OF ROADWAY CONSTRUCTION AND ASSOCIATED INFRASTRUCTURE SHALL FOLLOW THE GENERAL SEQUENCE NOTED BELOW.
TION ES OCCUR, ATION	1) THE LIMITS OF CLEARING SHALL BE STAKED OUT PRIOR TO ANY CONSTRUCTION.
	2) INSTALL EROSION CONTROL BARRIERS AS DEPICTED HEREON.
DIMENT AS ENGINEER. NFRA– PRIATE	3) THE CONTRACTOR SHALL COORDINATE A SITE MEETING WITH THE TOWN LEICESTER PLANNING BOARD AGENT (QUINN ENGINEERING, INC.), CONSERVATION COMMISSION REPRESENTATIVE, HIGHWAY DEPARTMENT, AND GRAZ ENGINEERING, LLC. FOR REVIEW AND APPROVAL OF THE EROSION CONTROLS & LIMIT OF WORK FOR THE PROJECT PRIOR TO ANY TREE CLEARING AND CODNSTRUCTION ACTIVITIES.
ES DURING MGUARD MAINTAINED TED.	4) CLEAR THE AREAS FOR THE TEMPORARY SEDIMENT BASINS AND TEMPORARY SWALES FOR THE PROJECT AND START CONSTRUCTION OF EACH.
	5) COMPLETE CLEARING WITHIN LIMITS OF WORK FOR PROJECT.
SHALL BE D SHALL BE SIBLE IN	6) STRIP AND STOCKPILE TOPSOIL FOR WITHIN ROADWAY AND DRAINAGE BASIN AREAS. STABILIZE TOPSOIL NOT SUBJECT TO IMMEDIATE USE WITH A TEMPORARY SEEDING MIXTURE. ALL STOCKPILES SHALL BE RINGED WITH SILT FENCE.
EAS. A B RED FESCUE, D. IF GRADING, THE ON CE AREAS TEMPORARY EVENT	7) MASS GRADING – PERFORM EARTHWORK CUT TO FILLS FOR ROADWAY AND DRAINAGE BASIN AS DEPICTED HEREON. STABILIZE DISTURBED AREAS BY HAY AND SEED IN ACCORDANCE WITH THE ORDER OF CONDITIONS.
	8) INSTALL INFRASTRUCTURE IMPROVEMENTS FOR THE PROJECT (INCLUDING ROADWAY & RIGHT-OF-WAY GRADING, STORM WATER BASIN, ETC.) AS DEPICTED HEREON.
	9) LOT DEVELOPMENT AND HOME-BUILDING.
AL DURING SEEDING OR	
SHALL BE	
D AREAS AND EVICES TO AND	
. BE REMOVED HE FINAL	
ONCE THE BEEN	









#### COVENANT

Date: October 28, 2021 Leicester, Massachusetts

KNOW ALL MEN BY THESE PRESENTS, that the undersigned has submitted an application dated June 9, 2021, to the Leicester Planning Board for approval of a definitive plan of a subdivision of land entitled: Parker Street (North), plan by Graz Engineering, LLC dated June 8, 2021 and revised through September 8, 2021, and Owned by: Schold Development, LLC address: 77 Chickering Road Spencer, MA 01562, land located on Parker Street, Assessor's Map 42, Parcels A1.0 and B1.0, and showing three (3) proposed lots. The undersigned has requested the Planning Board to approve such plan without requiring a performance bond, the IN CONSIDERATION of said Planning Board of the Town of Leicester in the county of Worcester approving said plan without requiring a performance bond, the undersigned hereby covenants and agrees with the inhabitants of the Town of Leicester as follows:

1. That the undersigned is the Owner\* in fee simple absolute of all the land included in the subdivision and that there are no mortgages or otherwise of any of said land, except for those described below, and that the present holders of such mortgages have assented to this contract prior to its execution by the undersigned.

\*If there is more than one owner, all must sign. "Applicant" may be an owner or his agent or representative, or his assigns, but the owner of record must sign the covenant.

- 2. That the undersigned will not sell or convey any lot in the subdivision or erect or place any permanent building on any lot until the construction of ways and installation of municipal services necessary to adequately service such lot has been completed in accordance with the covenants conditions, agreements, terms and provisions as specified in the following:
  - The application for approval of a definitive plan (Form C)
  - The subdivision Control Law and the Planning Board's Rules and Regulations Governing this subdivision.
  - The certificate of approval and the conditions of approval specified therein, issued by the Planning Board, dated September 22, 2021.
  - The definitive plan as approved and as qualified by the certificate of approval.
  - Other documents specifying construction to be completed, namely:

However, a mortgagee who acquires title to the mortgaged premises by foreclosure or otherwise and any succeeding owner of the mortgaged premises or part thereof may sell or convey any lot, subject only to that portion of the covenant which provides that no lot be sold or conveyed or shall be built upon until ways and services have been provided to serve said lot.

- 3. That this covenant shall be binding upon the executors, administrators, devisees, heirs, successors, and assigns of the undersigned and shall constitute a covenant running with the land included in the subdivision and shall operate as a restriction upon the land.
- 4. That particular lots within the subdivision shall be released from the foregoing conditions upon the recording of a certificate of performance executed by a majority of the Planning Board and enumerating the specific lots to be released; and
- 5. That nothing herein shall be deemed to prohibit a conveyance by a single deed subject to this covenant, or either the entire parcel of land shown on the subdivision plan or all lots not previously released by the Planning Board.
- 6. That the undersigned agrees to record this covenant with the Worcester District Registry of Deeds, forthwith, or to pay the necessary recording fee to the Planning Board in the event the Planning Board shall record this agreement forthwith. Reference to this covenant shall be entered upon the definitive subdivision plan as approved.
- 7. A deed of any part of the subdivision in violation of the covenant shall be voidable by the grantee prior to the release of the covenant; but not later than three (3) years from the date of such deed, as provided in Section 81-U, chapter 41, M.G.L.
- 8. That this covenant shall be executed before enforcement of the approval of a definitive subdivision plan by the Planning Board and shall take effect upon the endorsement of approval.
- 9. Upon final completion of the construction of ways and installation of municipal services as specified herein, on or before September 22, 2026, the Planning Board shall release this covenant by an appropriate instrument, duly acknowledged. Failure to complete construction and installation within the time specified herein or such later date as may be specified by the Planning Board with a written concurrence of the applicant, shall result in automatic rescission of the approval of the plan. Upon performance of this covenant by an appropriate instrument duly recorded.
- 10. Nothing herein shall prohibit the applicant from varying the method of securing the construction of ways and installation of services from time to time or from securing by one, or in part by one and in part by another of the methods described in M.G.L., Chapter 41, Section 81-U, as long as such security is sufficient in the opinion of the Planning Board to secure performance of the construction and installations; and For title see deed from Webster First Credit Union, dated February 1, 2019, recorded in Worcester District Registry of Deeds, Book 60004, Page 48, or registered in Worcester Land Registry District as Document No.\_\_\_\_\_ and noted on Certificate of Title No.\_\_\_\_\_, in Registration Book\_\_\_\_\_\_.

The mortgagee agrees to hold the mortgage subject to the covenants set forth above and agrees that the covenant shall have the same status, force, and effect as though executed and recorded before the taking of the mortgage and further agrees that the mortgage by subordinate to the above covenant.

IN WITNESS WHEREOF we have hereunto set our hands and seals this \_\_\_\_\_\_of \_\_\_\_\_\_, 20\_\_\_.

Majority of the Leicester Planning Board

Matthew Schold, Owner

One acknowledgement must be completed for each of the following: Planning Board representative, Owner or owners, Spouse of the Owner, Mortgagee.

COMMONWEALTH OF MASSACHUSETTS

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_, before me the undersigned notary public, personally appeared

representing \_\_\_\_\_

proved to me through satisfactory evidence of identification, which was

, to be the persons whose name(s) are signed on the

preceding or attached document, and acknowledged to me that they signed it voluntarily for its stated purpose.

Notary Public

My commission expires \_\_\_\_\_