

ALLEN ENGINEERING & ASSOCIATES, Inc.

Civil Engineers, Surveyors & Land Development Consultants

Address

One Charlesview Road, Suite 2 Hopedale, MA 01747

**PHONE** (508) 381-3212

WEB SITE www.allen-ea.com November 12, 2021

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

Re: #1603 - #1605 Main Street AEA Project 00047

Dear Members of the Board:

Allen Engineering & Associates, Inc. (AEA) hereby submits the following narrative in compliance with Site Plan Review Regulation II.E.2.

Reference – Leicester Zoning By-Laws §5.2.05 Standards for Site Plan Approval

- A. The use complies with all the provisions of the Leicester Zoning By-Law:
  - The proposed uses of a retail store and restaurant are permitted by right in the HB-1 zone. The proposed uses of gasoline station, drive-through facility and rental enclosed self-storage facility are permitted after an issuance of a special permit by the Planning Board.
  - B. The use will not materially endanger or constitute a hazard to the public health and safety;
  - The project proponent has submitted an Environmental Notification Form (ENF) which has been reviewed with respect to public health and safety and has been issued a certificate by the Secretary of Energy and Environmental Affairs.
- C. The use will not create undue traffic congestion or unduly impair pedestrian safety;
- The project is under review by the Massachusetts Department of Transportation. In consultation with MassDOT the project proponent has committed to construct a buffered bicycle lane within Main Street as well as providing a permanent highway easement to enable sidewalk installation in the future. This will dramatically enhance pedestrian safety in the area.
- D. Sufficient off-street parking exists or will be provided to serve the use;
- The project parking exceeds the number of spaces required by the Zoning By-Law.

- E. The use can be adequately served by water, sewer, and other necessary utilities, or if these are un-available, 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; and,
- The use will be adequately served by water, sewer, and other necessary utilities. A letter from the Leicester Water District has been submitted previously.
- 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 to surface water or groundwater;
- The Drainage Analysis Report demonstrates compliance with this requirement.
- 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.
- As stated in item B above, the proposed use has been reviewed in this respect and a certificate has been issued by the Secretary of Energy and Environmental Affairs.

Thank you for your attention to these matters, if additional information is required or if you have a question regarding this correspondence, please contact me at (508) 381-3212 x105 or by email at <a href="mark@allen-ea.com">mark@allen-ea.com</a>.

Sincerely,

ALLEN ENGINEERING & ASSOCIATES, INC.

Mark E. Allen, PE

President

cc: Jean Skaff



ALLEN ENGINEERING & ASSOCIATES, INC.

Civil Engineers, Surveyors & Land Development Consultants

ADDRESS

One Charlesview Road, Suite 2 Hopedale, MA 01747

PHONE (508) 381-3212

WEB SITE www.allen-ea.com November 12, 2021

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

Re: #1603 - #1605 Main Street

Dear Members of the Board:

Allen Engineering & Associates, Inc. (AEA) has received a peer review letter from Quinn Engineering, Inc. dated October 25, 2021 related to the site plan application for the above referenced property. Below please find the original comments along with our (AEA) responses.

1. The Applicant must confirm that the building, including the fascia, will conform to the setback requirements. (§4.2)

<u>AEA</u>- Building locations, including the fascia will conform to the setback requirements setbacks.

 A designated loading space is not proposed at #1605 Main Street. The Applicant must identify how deliveries will be made and why a loading space is not required. (§5.1.01, LPR IV.H)

<u>AEA</u>- Business owners typically arrange deliveries during off-peak hours. The parking to be provided at #1605 exceeds the required amount by seven parking spaces which is equivalent to 1,400 square feet. If needed, the owner could temporarily reserve a 20' x 70' area for deliveries without impacting the required parking.

3. §5.5.02.1.C recommends only one curb cut per lot, however, it is understood that the second, easterly curb cut was encouraged by MA DOT. The two curb cuts are proposed in a similar configuration that had been previously approved.

<u>AEA</u>- Defer to the Board. §5.5.02.1.C additionally states "No more than two (2) curb cuts shall be permitted per lot".

4. Parking is required to the side or rear of the structure to the maximum extend feasible. The Applicant must demonstrate why parking cannot be located behind the building proposed at#1603 Main Street. (§5.5.02.1.A.4)

<u>AEA</u>- There is not sufficient width to place the parking on either side of the building. The main building entrance, which contains the buildings handicap accessible elevators, faces the street as is typical for most businesses. Placing parking behind the building would conflict with the intent of the Americans with Disabilities Act to provide the shortest accessible route.

- 5. The submitted photometric plan identifies light spillage over 1 foot-candle on the adjacent property. The Applicant must demonstrate that lighting does not shine beyond the property lines. (§5.5.02.1.A.7 and LPR IV.G)
- <u>AEA</u>- A wooded area near the entrance/new traffic light installation approximately 125 feet from the existing building is shown to have a small area of over 1 foot-candle due to the proximity of the light that illuminates the project entrance. AEA defers to the Board as the cited regulations do not provide a maximum foot-candle measurement.
- 6. On the proposed plan, patrons parking in the northernmost spaces on #1603 Main Street must walk between other parking spaces and cross the landscaped island to access the proposed building. A walkway is recommended to provide access through the middle rows of parking and landscaped island. (§5.5.02.1.A.8, LPR IV.F, LR IV.C)
- AEA- Two five-foot wide walkways added.
- 7. Doors at the proposed drive through windows will force pedestrians to walk across/along the drive through lanes. The Applicant should consider providing alternative door locations. (§5.5.02.1.A.8, LPR IV.F, LR IV.C)
- <u>AEA</u>- Doors at the proposed drive through windows are for employee access only.
- 8. Calculations have been provided to confirm that the proposed landscaping meets the 5% area requirement listed in §5.5.02.2.1. This office defers to the Board on the location and type of landscaping to be provided.
- AEA- Defer to the Board.
- 9. The waiver requested from §5.5.02.2.B specifies a buffer width of 48.4 feet. The Applicant should also reference the minimum buffer width proposed in the waiver request.
- AEA- A second dimension of 22.4 feet has been added to the plan.
- 10. Parking is proposed on the western side of the property within the area that would typically be designated as a landscape buffer. This office defers to the Board if a waiver from §5.5.02.2.H should be in included in the waiver requests. Parking was not in this location on the previously approved plan.
- AEA- As noted in item 9, an additional dimension of 22.4 feet has been shown to clarify the width of the proposed buffer at the parking area (22.4' 48.4'). Under §5.5.02.2.B "A landscaped buffer 50 feet shall be provided where a non-residential use abuts a residential use." However, §5.5.02.2.D states that the Planning Board has sole discretion to reduce the required buffer to 20 feet if an opaque fence and/or other comparable method is provided to adequately buffer the abutting residential use. Therefore, if the Board finds that the fence and buffer, as proposed, are adequate to buffer the abutting residential use the parking would not be within a required buffer and a waiver would not be necessary.
- 11. The narrative provided by Allen Engineering & Associates, Inc. identifies that the hours of operation for the building proposed at #1605 Main Street are from 5 AM to 12 PM. The Applicant should confirm the expected closing time. (SPRR II.E.1.a)
- AEA- Expected closing time is 12 o'clock midnight.

- 12. The Board may wish that the submitted narrative specifically identify how each point in Section 5.2.05 are met. (SPRR II.E.2)
- AEA- An additional narrative meeting this requirement is enclosed.
- 13. This office defers to the LWSD regarding the sewer and water service configurations. (SPRRII.E.I) <u>AEA</u>- Response not required.
- 14. The Applicant should identify the proposed development schedule. (SPRR II.E.4)
- AEA- The proponent anticipates having all necessary approvals by the spring of 2022. Construction on building #1605 Main Street along with the state highway improvements will begin immediately and is expected to be completed early summer of 2023. The building at #1603 Main Street is expected to be constructed within two years of the completion of building #1605. Or approximately the summer of 2025.
- 15. Colors of the building proposed at #1603 Main Street must be provided. Also, the Board may request that color renderings of the proposed buildings be submitted. (SPRR II.F)
- <u>AEA</u>- The colors will match the building at #1605 gray wall panels with red accent fascia trim. A color rendering of a typical building similar to #1605 will be presented to the Board at the upcoming meeting.
- 16. The locus plan provided does not meet some of the requirements specified in <u>SPRR</u> II.G. <u>AEA</u>- Defer to the Board.
- 17. Landscape buffers must be a mixture of trees, shrubs, ground covers. Alternatively, the Board may allow the use of opaque screening (ie. a fence) in lieu of landscaping. The proposed landscaping around the perimeter of the property varies from that which was previously approved. This office defers to the Board regarding the location and type of the proposed landscaping.
- AEA- Defer to the Board.
- 18. The dimensions of the rip rap aprons must be provided. Calculations supporting the dimensions should also be provided. (MA DEP Standard 1)
- AEA- Rip rap detail added to sheet 10.
- 19. The drainage analysis identifies an increase in runoff rates to the adjacent property at the southeasterly design point. The increase must be attenuated. (MA DEP Standard 2)
- <u>AEA</u>- Revised drainage analysis enclosed showing no increase to the adjacent property at the southeasterly design point.
- 20. Woodbridge soils are classified with a dual hydrologic soil group as C/D. The first letter represents the "drained" condition and the second letter represents the "undrained". Since on site soil testing identified the high groundwater table at greater than 24 inches, the "drained" letter designation (HSG C) should be used. The analysis and other calculations should be updated to reflect HSG C.
- AEA- Revised drainage analysis enclosed utilizing HSG C data.

- 21. Catch basins are to be designed as off-line systems. The proposed outlet from DRI should be rerouted to a manhole instead of discharging to CB8. DRI should also be provided with a hood on the outlet to capture oil and floatables. (MA DEP Handbook Vol. 2, Ch. 2, page 3-5)
- <u>AEA</u>- Due to shallow ledge conditions a sump structure in the area of DR1 is not feasible. DR1 functions as both an inlet and a junction/cleanout for the proposed trench drains. The site plan and calculations have been revised to route this structure to a new sump manhole with trap (DMH7).
- 22. For consistency, the time of concentration used in the post-development catchment 1S should be similar to that used in the pre-development catchment 2S.
- AEA- Time of concentration has been adjusted, revised drainage analysis enclosed.
- 23. The traffic report identifies that the property at #1621 Main Street has been granted and access easement in order to access the traffic signal. The Applicant should identify the location of the proposed easement and the Board may wish that a copy of the easement agreement be submitted.
- AEA- This was an initial alternate discussion, and is no longer proposed.
- 24. Work is proposed on the adjacent property at #1621 Main Street and is labeled on plan as "Grading Agreement w/ Abutter". It is recommended that documentation of the agreement/easement to be submitted.
- <u>AEA</u>- The right of entry and grading easement are required by MassDOT in conjunction with their on-going review of the state highway improvements. When the document becomes available AEA will forward to the Board.
- 25. The proposed dumpster location at #1605 Main Street will require a front loading trash truck to drive the wrong way against the traffic flow. The Applicant should clarify the trash removal procedure and, if necessary, consider a dumpster location that doesn't require a trash truck to drive against traffic flow.
- <u>AEA</u>- Business owners usually schedule trash removal during off-peak hours, however, a rear loading truck could proceed with traffic in the by-pass lane, back up, load and proceed forward with traffic.
- 26. Review by the Fire Department of the proposed site access, hydrant location, etc. is recommended. <u>AEA</u>- Defer to the Board.
- 27. This office has not reviewed the proposed work in Main Street (Route 9) as it falls under the purview of MA DOT.
- AEA- Response not required.
- 28. There are specific site design requirements at gas pumps (spill storage, bollards, etc.). Those items do not fall under the scope of this review.
- AEA- Response not required.
- 29. This office has not reviewed the proposed sign since the sign permit is issued by the Zoning Board of Appeals.
- AEA- Response not required.
- 30. Labels should be provided on plan for radii, curb type, accessible signs, etc. and dimensions should be provided for aisles, islands, walkways, etc.
- AEA- Sheet 4 shows granite curb radii and curb type. Accessible signage and additional dimensions are also

provided.

- 31. Details should be provided for serval site related items (ie. guardrails, fences, bollards, retaining wall, curb stops, etc.).
- <u>AEA</u>- Water infrastructure (curb stops, etc.) will be installed in compliance with the Leicester Water Supply District standard details. Guardrail and fence detail added to sheet 10. Retaining wall details will be provided to the building department during building permit application, if required.
- 32. A guardrail is recommended on the top of the retaining wall in lieu of a fence. This office's experience has been that wheel stops, like those currently proposed, tend to get damaged over time and are removed. In that case, a guardrail would be a better option along the top of the wall.

<u>AEA</u>- Recommendation acknowledged.

- 33. It appears that the invert and rim elevations listed for CB7 in the drain schedule are mislabeled. *AEA- Labels have been corrected.*
- 34. The weir elevation and inlets/outlet elevations must be labeled in the diversion manhole detail. <u>AEA</u>- Labels added.
- 35. It is recommended that a solid surface be installed across the emergency spillway to provide a consistent spillway elevation and that the rip rap be placed on either side of the solid surface.
- AEA- Revised drainage analysis enclosed, 100-year flood event doesn't exceed emergency spillway elevation.
- 36. It is recommended that the emergency spillway elevation be set at elevation 1039 so that stormwater enters the overflow on the outlet structure before flowing over the spillway.
- <u>AEA</u>- Revised drainage analysis enclosed. Outlet structure rim set to 1038.88, emergency spillway elevation adjusted to 1039.2.
- 37. "Do Not Enter" signs are recommended where the one-way traffic of the drive through enters two-way traffic parking area.

AEA- Signs added.

Thank you for your attention to these matters, if additional information is required or if you have a question regarding this correspondence, please contact me at (508) 381-3212 x105 or by email at mark@allen-ea.com.

Sincerely,

ALLEN ENGINEERING & ASSOCIATES. INC.

Mark E. Allen, PE

President

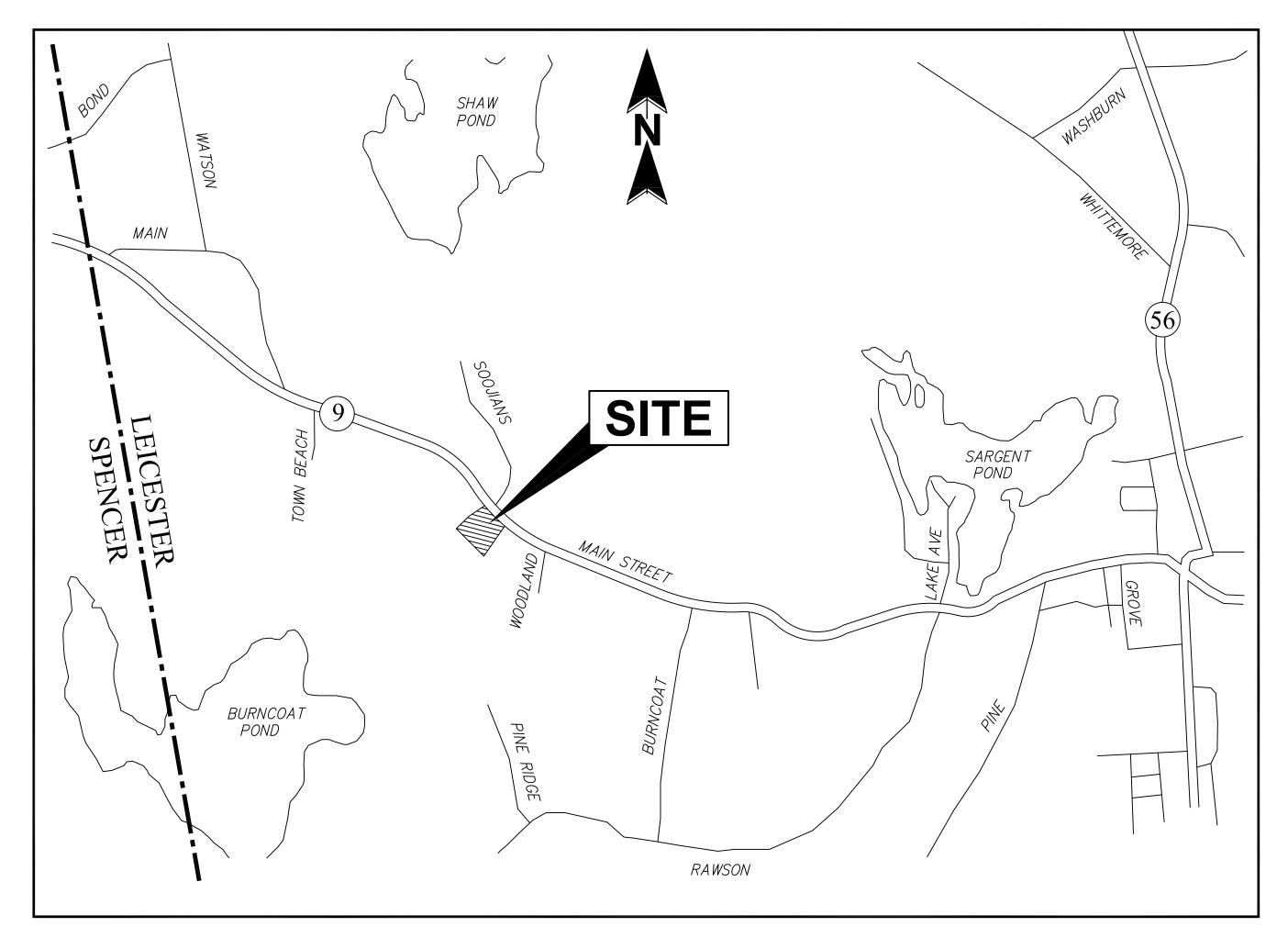
cc: Jean Skaff

# Site Development Plan at #1603 - #1605 Main Street Leicester, Massachusetts

Plan Date: September 23, 2021

|     | Revisions                   |             |    |  |  |  |  |  |
|-----|-----------------------------|-------------|----|--|--|--|--|--|
| 1   | 1   11/12/21   PER COMMENTS |             |    |  |  |  |  |  |
|     |                             |             |    |  |  |  |  |  |
|     |                             |             |    |  |  |  |  |  |
|     |                             |             |    |  |  |  |  |  |
|     |                             |             |    |  |  |  |  |  |
|     |                             |             |    |  |  |  |  |  |
| NO. | DATE                        | DESCRIPTION | BY |  |  |  |  |  |

| PLAN INDEX                       |    |  |  |  |  |  |
|----------------------------------|----|--|--|--|--|--|
| COVER SHEET                      | 1  |  |  |  |  |  |
| LOCUS PLAN                       | 2  |  |  |  |  |  |
| EXISTING CONDITIONS PLAN         | 3  |  |  |  |  |  |
| SITE LAYOUT PLAN                 | 4  |  |  |  |  |  |
| SITE UTILITIES & LIGHTING PLAN   | 5  |  |  |  |  |  |
| GRADING & DRAINAGE PLAN          | 6  |  |  |  |  |  |
| LANDSCAPE & EROSION CONTROL PLAN | 7  |  |  |  |  |  |
| CONSTRUCTION DETAILS-1           | 8  |  |  |  |  |  |
| CONSTRUCTION DETAILS-2           | 9  |  |  |  |  |  |
| CONSTRUCTION DETAILS-2           | 10 |  |  |  |  |  |
| LIGHTING PHOTOMETRIC PLAN        | 11 |  |  |  |  |  |
| LIGHTING DETAIL PLAN             | 12 |  |  |  |  |  |
| LIGHTING ISOMETRIC ELEVATION     | 13 |  |  |  |  |  |



# LOCUS MAP Scale: 1 " = 1,000 ± Feet

Prepared By:

Architect
Bertin Engineering
66 Glen Avenue,

Glen Rock, NJ 07452

**Traffic Consultant** 

Ron Müller & Associates

56 Teresa Road,

Hopkinton, MA

ALLEN ENGINEERING

& ASSOCIATES, INC.

Civil Engineers • Surveyors Land Development Consultants

One Charlesview Road Suite 2 Hopedale, Ma 01747 (508) 381-3212 • Phone www.allen-ea.com Leicester Main, LLC
One Charlesview Road, Suite 1
Hopedale, MA 01747

**Owner** 

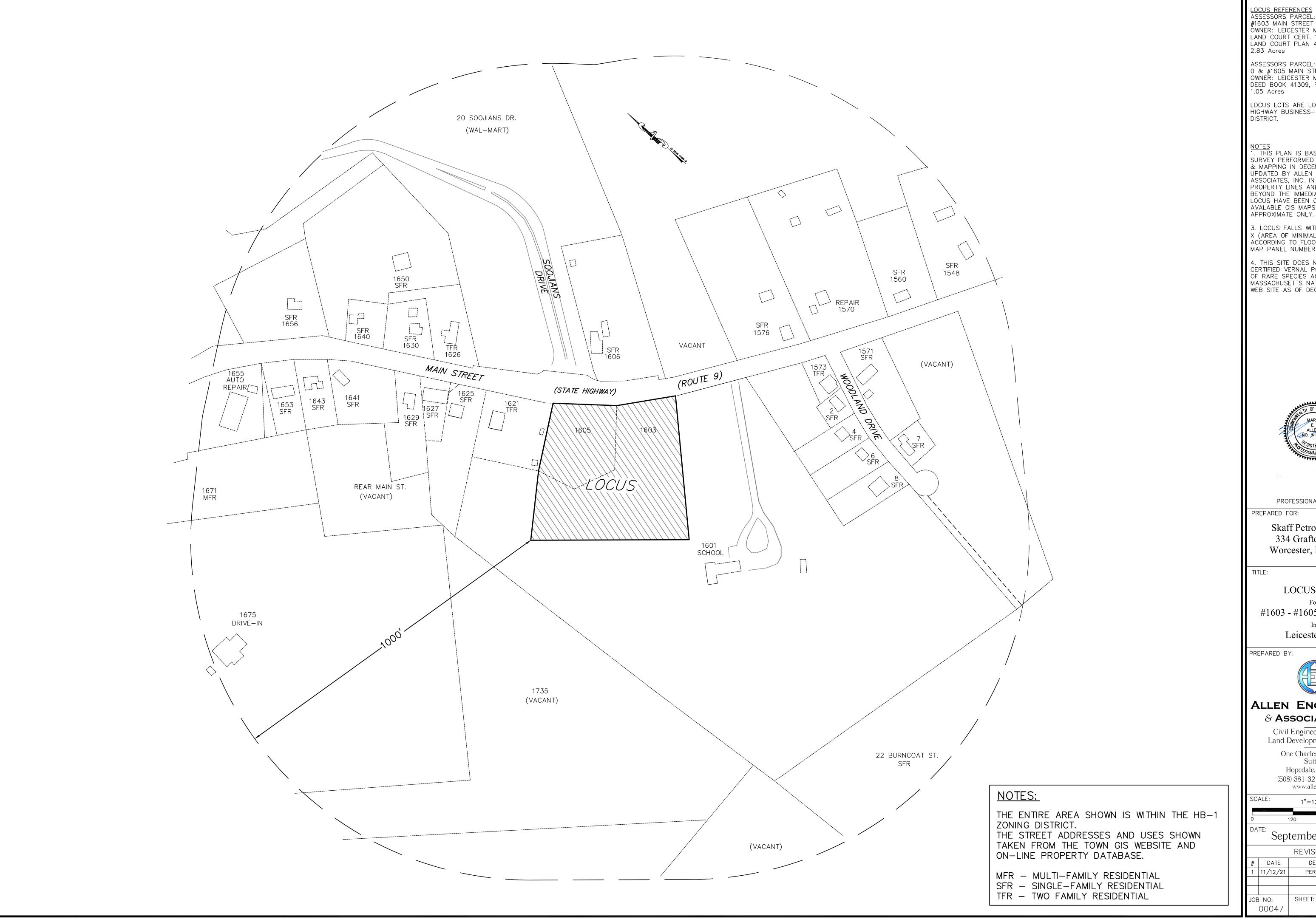
### **Applicant**

Skaff Petroleum, Inc. 334 Grafton Street, Worcester, MA 01604

| <b>APPROVED</b> | BY THE | <b>LEICESTER</b> | <b>PLANNING</b> | BOARD |
|-----------------|--------|------------------|-----------------|-------|
|                 |        |                  |                 |       |

DATE:

JOB NO: SHEET: 1 of 13



<u>LOCUS REFERENCES</u> ASSESSORS PARCEL: 18–8.1 #1603 MAIN STREET ÖWNER: LEICESTER MAIN, LLC LAND COURT CERT. 16956 LAND COURT PLAN 40185-B, LOT 1 2.83 Acres

ASSESSORS PARCEL: 18A-14 & 15 0 & #1605 MAIN STREET OWNER: LEICESTER MAIN, LLC DEED BOOK 41309, PAGE 153 1.05 Acres

LOCUS LOTS ARE LOCATED WITHIN THE HIGHWAY BUSINESS-INDUSTRIAL 1 DISTRICT.

NOTES

1. THIS PLAN IS BASED ON A FIELD SURVEY PERFORMED BY ODONE SURVEY & MAPPING IN DECEMBER 2012, AND UPDATED BY ALLEN ENGINEERING & ASSOCIATES, INC. IN DECEMBER 2020. PROPERTY LINES AND STRUCTURES BEYOND THE IMMEDIATE VICITY OF LOCUS HAVE BEEN COMPILED FROM AVALABLE GIS MAPS AND ARE

3. LOCUS FALLS WITHIN A FLOOD ZONE X (AREA OF MINIMAL FLOOD HAZARD) ACCORDING TO FLOOD INSURANCE RATE MAP PANEL NUMBER 25027C0780E.

4. THIS SITE DOES NOT CONTAIN CERTIFIED VERNAL POOLS OR HABITATS OF RARE SPECIES ACCORDING TO THE MASSACHUSETTS NATURAL HERITAGE WEB SITE AS OF DECEMBER 2020.



PROFESSIONAL ENGINEER

PREPARED FOR:

Skaff Petroleum, Inc. 334 Grafton Street, Worcester, MA 01604

LOCUS PLAN

#1603 - #1605 Main Street

Leicester, MA

PREPARED BY:



#### ALLEN ENGINEERING

### & ASSOCIATES, INC.

Civil Engineers • Surveyors Land Development Consultants

One Charlesview Road

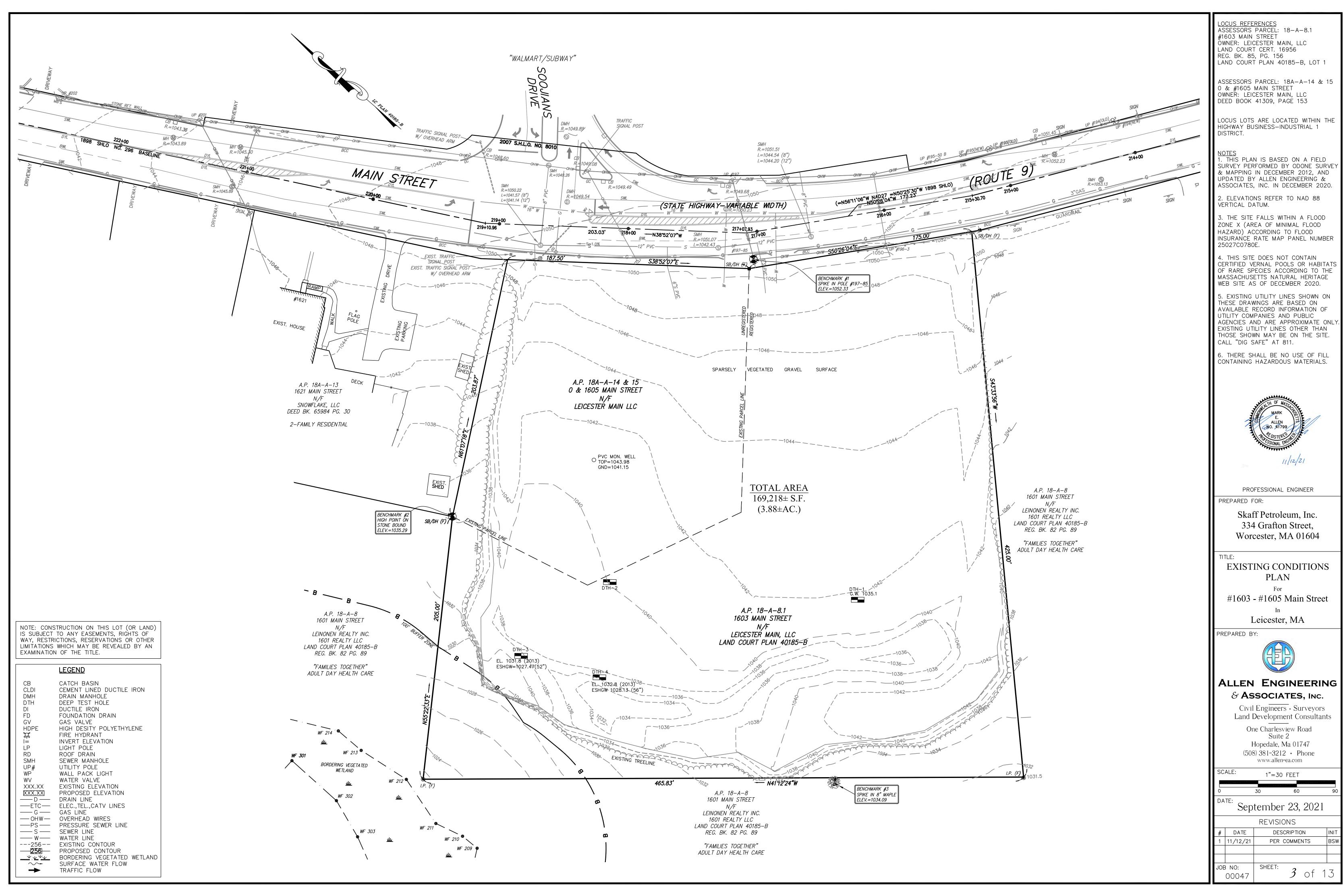
Suite 2 Hopedale, Ma 01747

(508) 381-3212 • Phone www.allen-ea.com

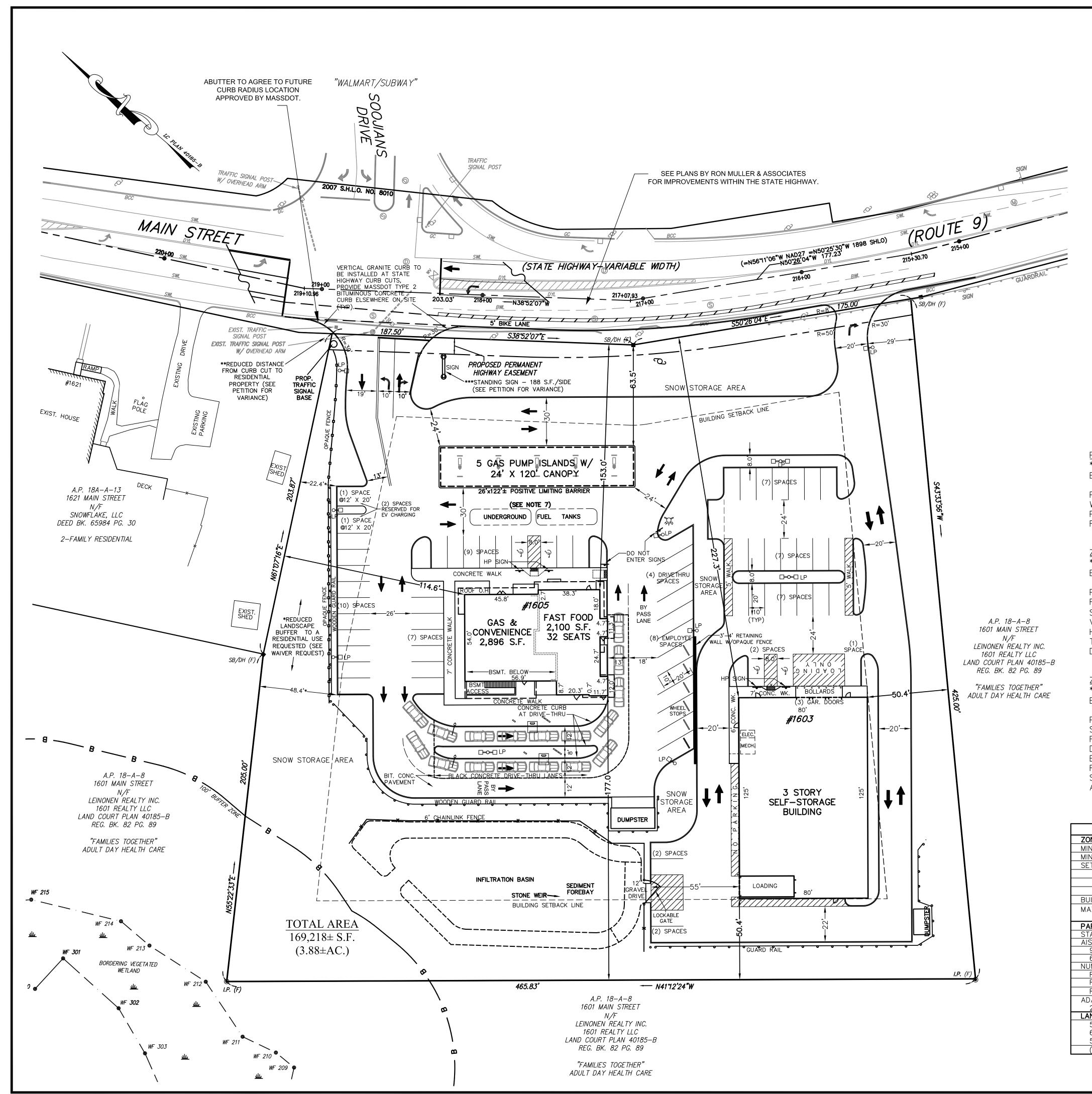
1"=120 FEET

120 240 September 23, 2021

REVISIONS DESCRIPTION # DATE 1 11/12/21 PER COMMENTS JOB NO: SHEET: 2 of 13 00047



| 1        |                       | 30     | 60    |           | 90  |  |  |  |  |
|----------|-----------------------|--------|-------|-----------|-----|--|--|--|--|
| Α        | September 23, 2021    |        |       |           |     |  |  |  |  |
|          | REVISIONS             |        |       |           |     |  |  |  |  |
| <u>!</u> | DATE DESCRIPTION INIT |        |       |           |     |  |  |  |  |
|          | 11/12/21              | PER (  | СОММЕ | NTS       | BSW |  |  |  |  |
|          |                       |        |       |           |     |  |  |  |  |
|          |                       |        |       |           |     |  |  |  |  |
|          | NO:                   | SHEET: | 3     | <br>_ f 1 | 3   |  |  |  |  |



**LEGEND** CATCH BASIN CEMENT LINED DUCTILE IRON CLDI DMH DRAIN MANHOLE DTH DEEP TEST HOLE DUCTILE IRON FOUNDATION DRAIN FD GV GAS VALVE HDPE HIGH DESITY POLYETHYLENE FIRE HYDRANT INVERT ELEVATION LIGHT POLE ROOF DRAIN SEWER MANHOLE SMH UP# UTILITY POLE WALL PACK LIGHT WV WATER VALVE EXISTING ELEVATION XXX.XX XXX.XXPROPOSED ELEVATION DRAIN LINE ---ETC--- ELEC., TEL., CATV LINES — G — GAS LINE --- OHW-- OVERHEAD WIRES ——PS — PRESSURE SEWER LINE —— S — SEWER LINE ---- W--- WATER LINE ---256-- EXISTING CONTOUR PROPOSED CONTOUR BORDERING VEGETATED WETLAND - $^{\prime}$  $^{\prime}$  $^{\prime}$  $^{\prime}$  $^{\prime}$ SURFACE WATER FLOW  $\sim$ TRAFFIC FLOW

NOTE: CONSTRUCTION ON THIS LOT (OR LAND) IS SUBJECT TO ANY EASEMENTS, RIGHTS OF WAY, RESTRICTIONS, RESERVATIONS OR OTHER LIMITATIONS WHICH MAY BE REVEALED BY AN EXAMINATION OF THE TITLE.

PLANNING BOARD WAIVER REQUEST:
\*REDUCED LANDSCAPE BUFFER TO A RESIDENTIAL USE REQUESTED,
BYLAW SECT. 5.5.02.2B. (50 FEET REQUIRED).

PROPOSED — 48.4 FEET, AND REQUEST TO ALLOW PARKING AND DRIVEWAY WITHIN THE BUFFER ADJACENT TO #1621 MAIN STREET. AN OPAQUE FENCE IS PROPOSED WITHIN THE BUFFER TO #1621 TO MITIGATE SCREENING LOST BY REDUCTION OF THE BUFFER.

ZONING BOARD OF APPEALS PETITION FOR VARIANCE:

\*\*REDUCED DISTANCE FROM CURB CUT TO RESIDENTIAL PROPERTY,
BYLAW SECT. 5.5.02.1.C.1. (24 FEET REQUIRED).

PROPOSED — 1 FOOT AT #1621 MAIN STREET PROPERTY. THE REDUCTION IS REQUESTED TO ALLOW THE NEW SITE ENTRANCE TO ALIGN WITH THE EXISTING SOOJIANS DRIVE INTERSECTION ACROSS MAIN STREET (ROUTE 9). GRANTING THIS VARIANCE WILL ALLOW A SAFER SIGNALIZED INTERSECTION ON THE STATE HIGHWAY. THIS REQUEST IS MADE NECESSARY DUE TO THE SPECIFIC SHAPE AND TOPOGRAPHY OF THE LOCUS LOT, AND DOES NOT GENERALLY AFFECT THE HB—1 DISTRICT IN WHICH IT IS LOCATED.

ZONING BOARD OF APPEALS PETITION FOR VARIANCE: \*\*\*STANDING SIGN — SIZE,

BYLAW SECT. 3.2.07-2 (NOT TO EXCEED 30 SQUARE FEET).

PROPOSED — STANDING SIGN WITH AN AREA OF 188 SQUARE FEET ON EACH SIDE. THE VARIANCE IS REQUESTED IN ORDER TO ALLOW THE DISPLAY OF PRICES FOR SEVERAL FUEL GRADES AT SUCH A SIZE AS CAN BE READILY SEEN BY DRIVERS, AND ADDITIONALLY PROVIDE SIGNAGE FOR THE THREE OTHER BUSINESSES ON THE PROJECT SITE. THIS PETITION OWES TO THE CIRCUMSTANCES RELATED SPECIFICALLY TO THE STRUCTURES INVOLVED, WHICH INCLUDE FOUR SEPARATE AND DISTINCT USES PROPOSED ON THIS PARTICULAR SITE, AND NOT AFFECTING GENERALLY THE HB—1 DISTRICT.

| ZONING TABLE   |             | #1603      | #1605      |  |
|--|-------------|------------|------------|--|
| ZONING DISTRICT: HIGHWAY BUSINESS-INDUSTRIAL 1                                     | REQUIRED    | PROPOSED   | PROPOSED   |  |
| MIN. LOT SIZE  | 60,000 S.F. | 169,2      | 18 S.F.    |  |
| MINIMUM LOT FRONTAGE   | 200 FEET    | 362.5      | O FEET     |  |
| SETBACKS:  |             |            |            |  |
| FRONT  | 50 FEET     | 227.3 FEET | 153.0 FEET |  |
| SIDE   | 50 FEET     | 50.4 FEET  | 114.6 FEET |  |
| REAR   | 50 FEET     | 50.4 FEET  | 177.0 FEET |  |
| BUILDING COVERAGE:   | 40% MAX.    |            | %          |  |
| MAXIMUM BUILDING HEIGHT  | 55 FEET     | 36.2 FEET  | 18.7 FEET  |  |
|  | 5 1/2 STY.  | 3 STY.     | 1 STY.     |  |
| PARKING REQUIREMENTS:  |             |            |            |  |
| STALL DIMENSIONS   | 10' x 20'   | 10' x 20'  | 10' x 20'  |  |
| AISLE WIDTH  |             |            |            |  |
| 90° PARKING  | 24'         | 24'        | 26'        |  |
| 60° PARKING  | 16'         |            | 18'        |  |
| NUMBER OF SPACES REQUIRED BY USE:  |             |            | T          |  |
| RENTAL ENCLOSED SELF-STORAGE (3+1 PER 100 UNITS) 3+3                               | 6           | 28         |            |  |
| RESTAURANT (1 PER EMP. + 1 PER 3 SEATS) 8+32/3=19                                  | 33          |            | 40         |  |
| RETAIL (1 PER 200 S.F. GROSS FLOOR SPACE) 2896/200=14                              |             |            |            |  |
| ADA PARKING REQUIREMENT: (26-50 SPACES)  | 2 SPACES    | 2 SPACES   | 2 SPACES   |  |
| 2 SPACES REQUIRED INCLUDING 1 VAN ACCESSIBLE  LANDSCAPING REQUIREMENTS:            |             |            |            |  |
| •  | <u> </u>    | Ī          |            |  |
| 5% INTERIOR PARKING LANDSCAPE REQUIRED 68 PARKING SPACES (10W x 20L) = 13,600 S.F. | 600 6 5     | 4 04 5     |            |  |
| 5% (0.05) x 13,600 S.F. = 680 S.F.   | 680 S.F.    | 4,215 S.F. |            |  |
|  | 2 TDEEC     | 17 TREES   |            |  |
| (1) TREE PER 35 SPACES $(68/35) = 1.9$   | 2 TREES     | 1/ 1       | KEES       |  |

LOCUS REFERENCES
ASSESSORS PARCEL: 18-8.1
#1603 MAIN STREET
OWNER: LEICESTER MAIN, LLC
LAND COURT CERT. 16956
LAND COURT PLAN 40185-B, LOT 1
2.83 Acres

ASSESSORS PARCEL: 18A-14 & 15 0 & #1605 MAIN STREET OWNER: LEICESTER MAIN, LLC DEED BOOK 41309, PAGE 153 1.05 Acres

LOCUS LOTS ARE LOCATED WITHIN THE HIGHWAY BUSINESS-INDUSTRIAL 1

#### DISTRICT.

1. THIS PLAN IS BASED ON A FIELD SURVEY PERFORMED BY ODONE SURVEY & MAPPING IN DECEMBER 2012, AND UPDATED BY ALLEN ENGINEERING & ASSOCIATES, INC. IN DECEMBER 2020.

2. ELEVATIONS REFER TO NAD 88 VERTICAL DATUM.

3. THE SITE FALLS WITHIN A FLOOD ZONE X (AREA OF MINIMAL FLOOD HAZARD) ACCORDING TO FLOOD INSURANCE RATE MAP PANEL NUMBER 25027C0780E.

4. THIS SITE DOES NOT CONTAIN
CERTIFIED VERNAL POOLS OR HABITATS
OF RARE SPECIES ACCORDING TO THE
MASSACHUSETTS NATURAL HERITAGE
WEB SITE AS OF DECEMBER 2020.

5. EXISTING UTILITY LINES SHOWN ON THESE DRAWINGS ARE BASED ON AVAILABLE RECORD INFORMATION OF UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY EXISTING UTILITY LINES OTHER THAN THOSE SHOWN MAY BE ON THE SITE. CALL "DIG SAFE" AT 811.

6. THERE SHALL BE NO USE OF FILL CONTAINING HAZARDOUS MATERIALS.

7. APPLICANT SHALL PROVIDE CONSTRUCTION DRAWINGS FOR UNDERGROUND STORAGE TANKS WITH APPLICATION FOR BUILDING PERMIT. DEPTH OF LEDGE/REFUSAL TO BE DETERMINED PRIOR TO DESIGN.



PROFESSIONAL ENGINEER

PREPARED FOR:

Skaff Petroleum, Inc. 334 Grafton Street, Worcester, MA 01604

TITLE

SITE LAYOUT PLAN

#1603 - #1605 Main Street

Leicester, MA

PREPARED BY:



## ALLEN ENGINEERING & ASSOCIATES, INC.

Civil Engineers • Surveyors Land Development Consultants

One Charlesview Road Suite 2 Hopedale, Ma 01747 (508) 381-3212 • Phone www.allen-ea.com

LE: 1"=30 FEET

o 30 60

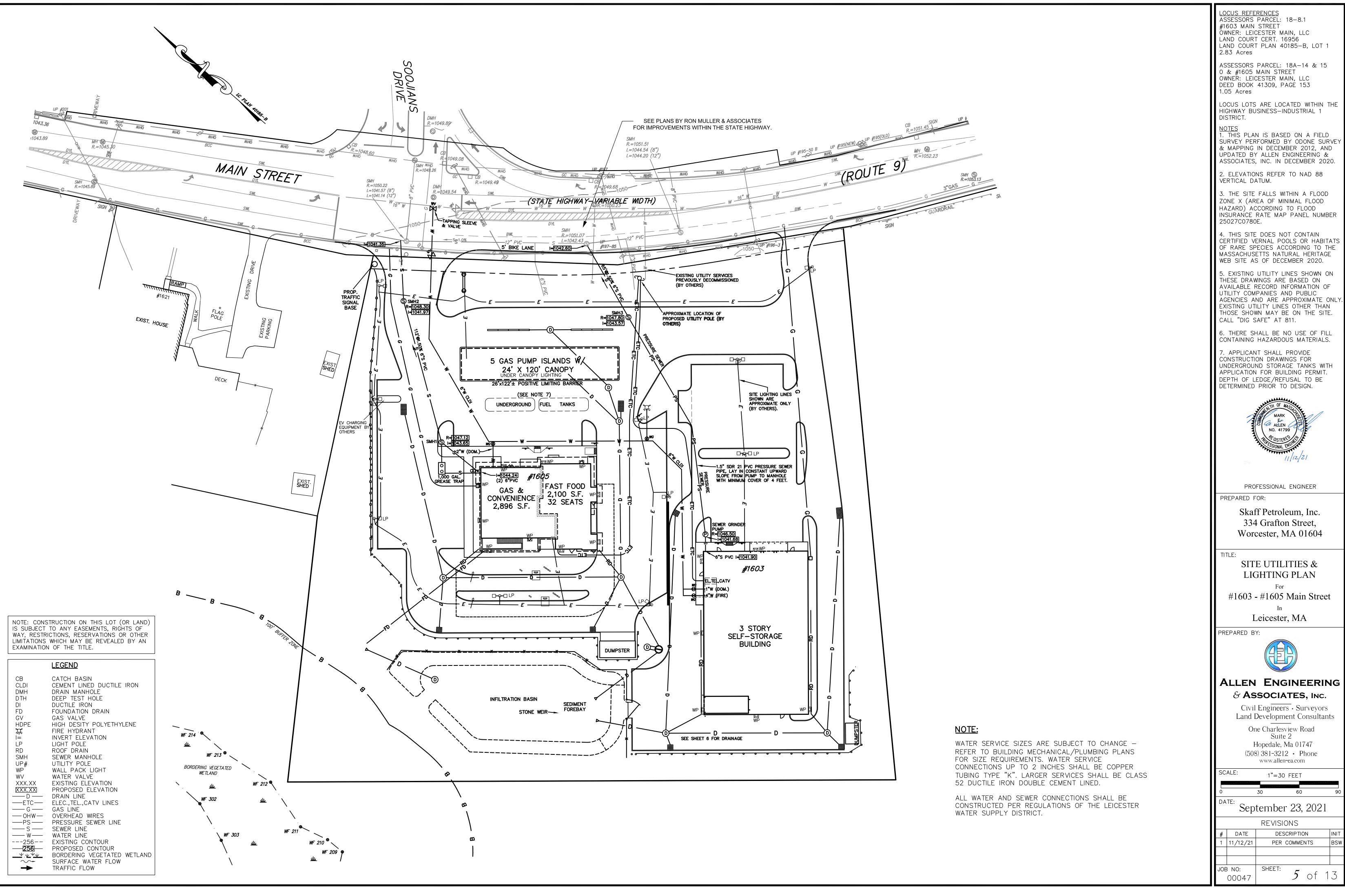
DATE: September 23, 2021

REVISIONS

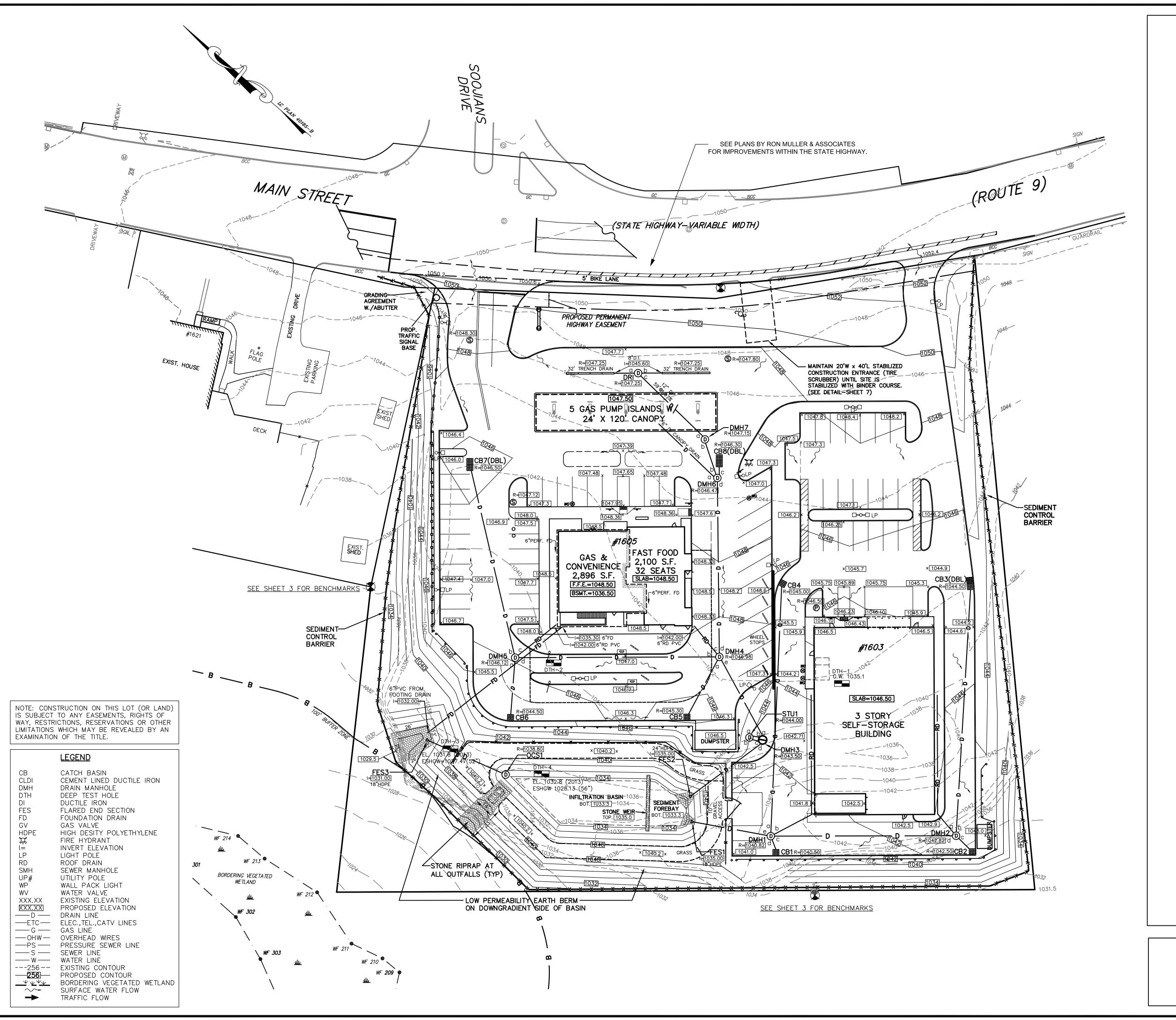
# DATE DESCRIPTION INIT

1 11/12/21 PER COMMENTS BSW

JOB NO: SHEET:
00047 4 of 13



| A       | September 23, 2021       |  |  |  |  |  |  |  |  |
|---------|--------------------------|--|--|--|--|--|--|--|--|
|         | REVISIONS                |  |  |  |  |  |  |  |  |
|         | DATE DESCRIPTION INIT    |  |  |  |  |  |  |  |  |
|         | 11/12/21 PER COMMENTS BS |  |  |  |  |  |  |  |  |
|         |                          |  |  |  |  |  |  |  |  |
|         |                          |  |  |  |  |  |  |  |  |
| <u></u> | NO. CHEET.               |  |  |  |  |  |  |  |  |



#### DRAINAGE SCHEDULE

R=1040.50 I=1036.50 12"HDPE

> CB2 R=1042.50 I=1037.95 12"HDPE

> CB3 (DOUBLE) R=1044.50 I=1040.00 12"HDPE

CB4 R=1045.00 I=1040.00 12"HDPE

CB5 R=1045.30 I=1040.30 12"HDPE

CB6 R=1044.50

R = 1045.50

I=1040.75 12"HDPE CB7 (DOUBLE GRATE)

I=1041.50 12"HDPE
CB8 (DOUBLE GRATE)

R=1046.30 I=1040.78 18"HDPE

DMH1 R=1040.82 I(a)=1036.38 12"HDPE

I(b)=1036.32 6"PVC ROOF DRAIN I(c)=1036.02 15"HDPE I(d)=1036.38 12"HDPE

I(e)=1035.77 18"HDPE DMH2 R=1042.82

I(a)=1038.32 6"PVC ROOF DRAIN I(b)=1037.77 12"HDPE I(c)=1037.77 12"HDPE I(d)=1037.52 15"HDPE

DMH3 (5'I.D.)
R=1043.5
I(a)=1036.37 24"HDPE
I(b)=1036.37 12"HDPE
I(c)=1036.20 12"HDPE
I(d)=1035.86 24"HDPE
TOP DIVERSION WEIR=1036.75

DMH4 R=1046.98 I(a)=1039.67 12"HDPE I(b)=1038.44 18"HDPE I(c)=1041.50 6"PVC R

(SEE SHEET 10)

I(c)=1038.44 18 HDPE I(c)=1041.50 6"PVC RD I(d)=1038.84 18"HDPE I(e)=1037.35 24"HDPE DMH5

R=1046.12 I(a)=1040.39 12"HDPE I(b)=1040.22 12"HDPE I(c)=1041.40 6"PVC RD I(d)=1039.89 18"HDPE

DMH6 R=1046.47 I(a)=1042.30 6"DI I(b)=1042.04 12"HDPE I(c)=1040.68 18"HDPE

I(d)=1040.58 18"HDPE

DMH7 (4' SUMP & OUTLET TRAP)
R=1047.15

I(a)=1042.59 12"DI I(b)=1042.49 12"HDPE DRI (DROP INLET)

R=1047.25 I(a)=1045.18 8"DI I(b)=1045.18 8"DI I(c)=1043.75 12"DI

OCS1 (OUTLET CONTROL STRUCTURE) R=1038.88 I=1033.50 18"HDPE

(SEE SHEET 9 FOR INLET ELEVATIONS)
STU1 (STORMWATER TREATMENT UNIT)

R=1044.0 I(a)=1036.30 12"HDPE I(b)=1036.30 12"HDPE (SEE SHEET 10)

#### NOTE:

PROPOSED GRADING SHOWN REQUIRES 17,400± CUBIC YARDS OF FILL.

LOCUS REFERENCES
ASSESSORS PARCEL: 18-8.1
#1603 MAIN STREET
OWNER: LEICESTER MAIN, LLC
LAND COURT CERT. 16956
LAND COURT PLAN 40185-B, LOT 1
2.83 Acres

ASSESSORS PARCEL: 18A-14 & 15 O & #1605 MAIN STREET OWNER: LEICESTER MAIN, LLC DEED BOOK 41309, PAGE 153 1.05 Acres

LOCUS LOTS ARE LOCATED WITHIN THE HIGHWAY BUSINESS—INDUSTRIAL 1 DISTRICT.

#### IOTES

1. THIS PLAN IS BASED ON A FIELD SURVEY PERFORMED BY ODONE SURVEY & MAPPING IN DECEMBER 2012, AND UPDATED BY ALLEN ENGINEERING & ASSOCIATES, INC. IN DECEMBER 2020.

2. ELEVATIONS REFER TO NAD 88 VERTICAL DATUM.

3. THE SITE FALLS WITHIN A FLOOD ZONE X (AREA OF MINIMAL FLOOD HAZARD) ACCORDING TO FLOOD INSURANCE RATE MAP PANEL NUMBER 25027C0780E.

4. THIS SITE DOES NOT CONTAIN CERTIFIED VERNAL POOLS OR HABITATS OF RARE SPECIES ACCORDING TO THE MASSACHUSETTS NATURAL HERITAGE WEB SITE AS OF DECEMBER 2020.

5. EXISTING UTILITY LINES SHOWN ON THESE DRAWINGS ARE BASED ON AVAILABLE RECORD INFORMATION OF UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY EXISTING UTILITY LINES OTHER THAN THOSE SHOWN MAY BE ON THE SITE. CALL "DIG SAFE" AT 811.

6. THERE SHALL BE NO USE OF FILL CONTAINING HAZARDOUS MATERIALS.

7. APPLICANT SHALL PROVIDE CONSTRUCTION DRAWINGS FOR UNDERGROUND STORAGE TANKS WITH APPLICATION FOR BUILDING PERMIT. DEPTH OF LEDGE/REFUSAL TO BE DETERMINED PRIOR TO DESIGN.



PROFESSIONAL ENGINEER

PREPARED FOR:

Skaff Petroleum, Inc. 334 Grafton Street, Worcester, MA 01604

\_\_\_\_\_

GRADING & DRAINAGE PLAN

#1603 - #1605 Main Street

Leicester, MA

PREPARED BY:



## ALLEN ENGINEERING & ASSOCIATES, INC.

Civil Engineers • Surveyors Land Development Consultants

One Charlesview Road
Suite 2
Hopedale, Ma 01747
(508) 381-3212 • Phone
www.allen-ea.com

E: 1"=30 FEET

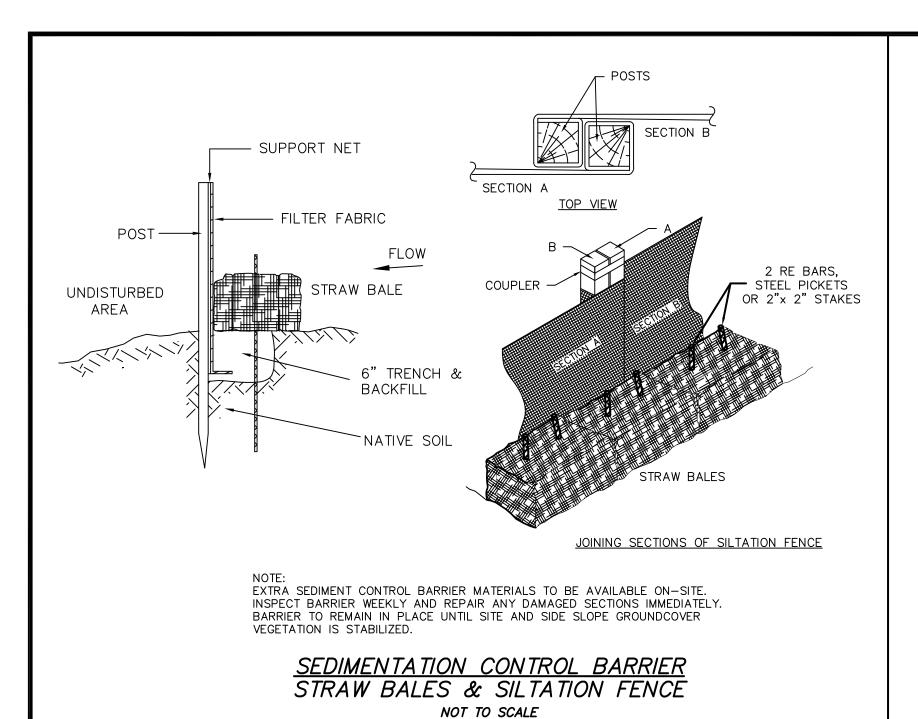
DATE: September 23, 2021

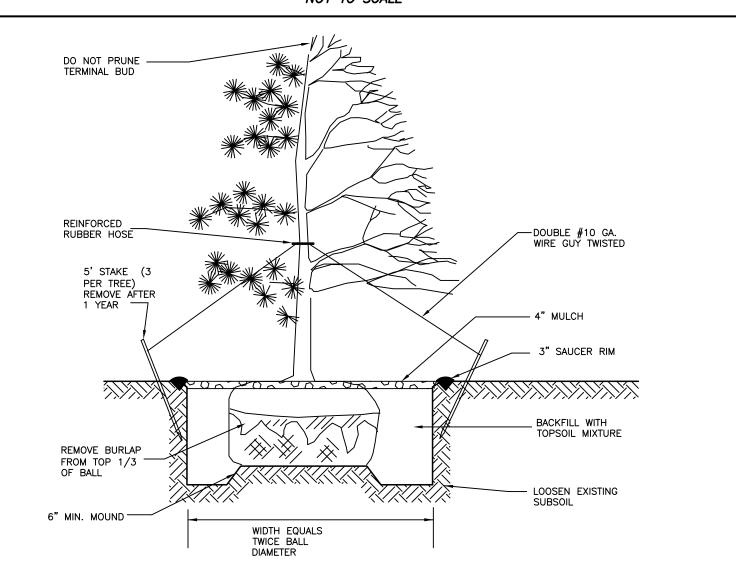
REVISIONS

# DATE DESCRIPTION INIT

1 11/12/21 PER COMMENTS BSW

JOB NO: SHEET:
00047 6 of 13

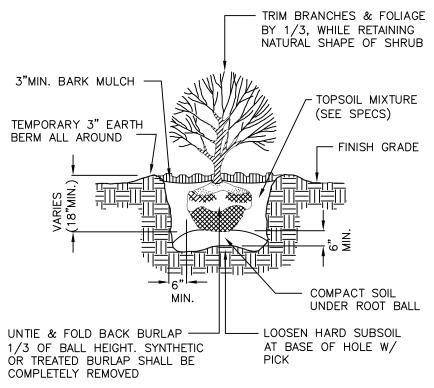




TREE PLANTING DETAIL (NOT TO SCALE)

TREE SCHEDULE

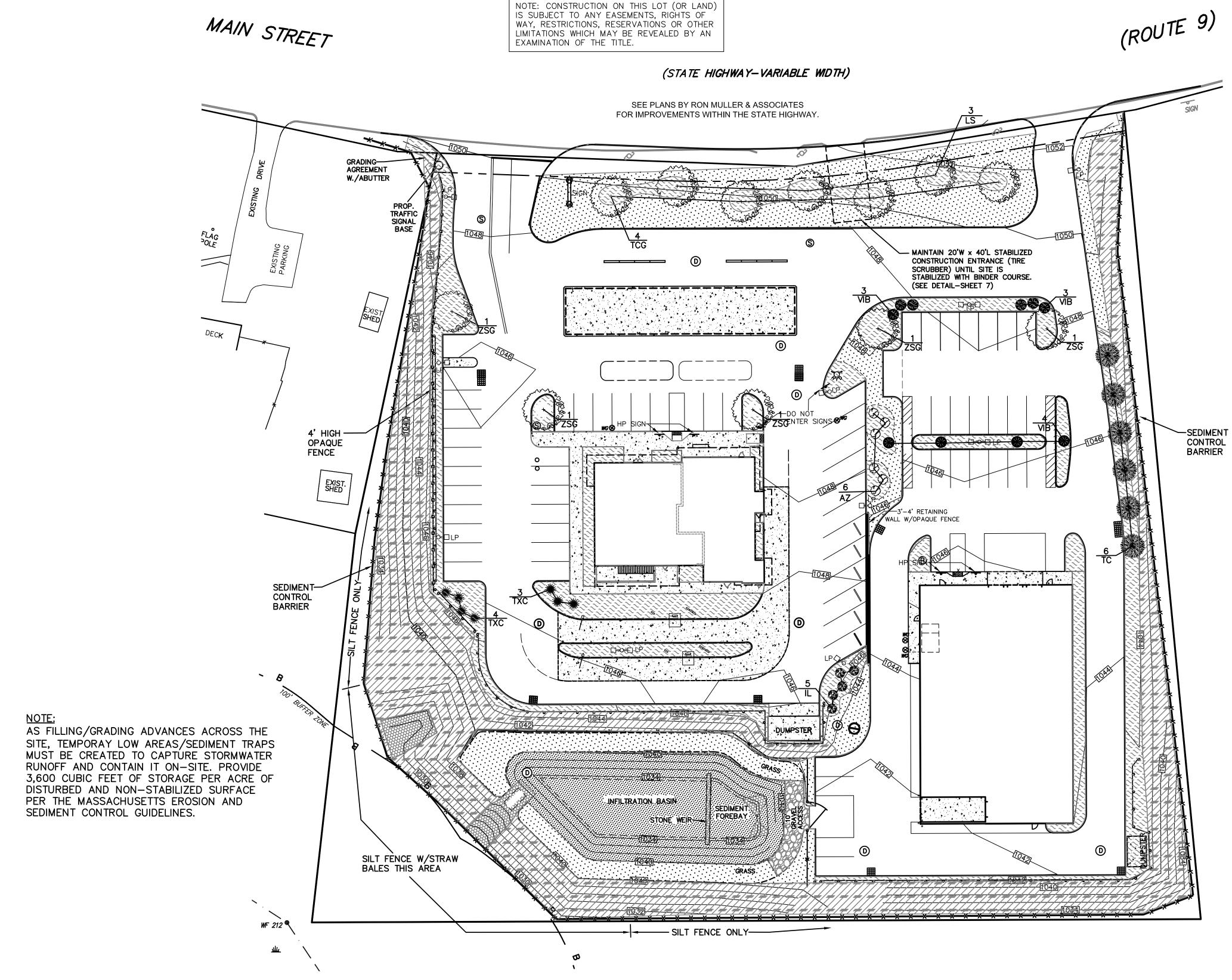
| KEY | BOTANICAL NAME             | COMMON NAME                   | SIZE            | COMMENTS | NO. |
|-----|----------------------------|-------------------------------|-----------------|----------|-----|
| LS  | LIQUIDAMBAR STYRACIFLUA    | AMERICAN SWEETGUM             | 2 - 2 1/2" CAL. | B&B      | 3   |
| TC  | TSUGA CANADENSIS           | CANADIAN HEMLOCK              | 6' - 8'         | B&B      | 6   |
| TCG | TILIA CORDATA GREENSPIRE   | GREENSPIRE LITTLE LEAF LINDEN | 2 - 2 1/2" CAL. | B&B      | 4   |
| ZSG | ZELCOVA SERRATA GREEN VASE | GREEN VASE ZELCOVA            | 2 - 2 1/2" CAL. | B&B      | 5   |

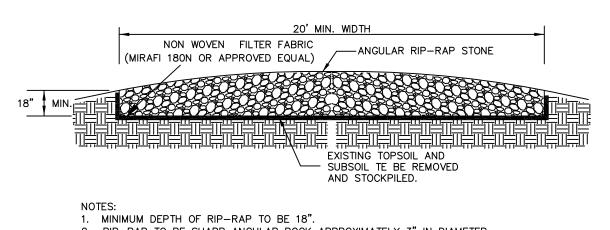


SHRUB PLANTING DETAIL
(NOT TO SCALE)

| <u>SHRUB</u> | <b>SCHEDULE</b> |
|--------------|-----------------|

| KEY | BOTANICAL NAME                 | COMMON NAME                  | SIZE*   | NO.   |
|-----|--------------------------------|------------------------------|---------|-------|
| ΑZ  | AZALEA DELAWARE VALLEY WHITE   | DELAWARE VALLEY WHITE AZALEA | #5      | 6     |
| IL  | ILEX OPACA                     | AMERICAN HOLLY               | #5      | 5     |
| TXC | TAXUS CUSPIDATE NANA AURESCENS | DWARF GOLDEN JAPANESE YEW    | #6      | 7     |
| VIB | VIBURNUM CARLESII              | MAYFLOWER VIBURNUM           | #5      | 9     |
|     |                                |                              | *2.5' H | IGH M |





2. RIP-RAP TO BE SHARP ANGULAR ROCK APPROXIMATELY 3" IN DIAMETER.
3. SIZE OF ENTRANCE TO BE A MINIMUM OF 40 FEET LONG AND 20 FEET WIDE.
4. ENTRANCE IS TO BE CLEANED OF SILT AND DEBRIS AFTER EACH MAJOR STORM EVENT.
5. RIP-RAP IS TO BE REMOVED ONLY WHEN SITE HAS BEEN STABILIZED WITH BINDER COURSE..

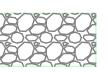
STABILIZED CONSTRUCTION ENTRANCE
(NOT TO SCALE)



CONCRETE PER CONSTRUCTION DETAILS. BLACK CONCRETE TO BE USED IN DRIVE—THRU VEHICLE LANES.



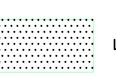
STONE RIPRAP PER CONSTRUCTION DETAILS.



GRAVEL ACCESS - 12" DEPTH OF CLEAN COMPACTED GRAVEL.



4" MIN. MULCH BED. SUPPLEMENT WITH PERRENIAL AND/OR ANNUAL FEATURE PLANTINGS PER TENANT/FRANCHISE STANDARDS.



LAWN GRASS-PERRENIAL RYE/FESCUE/KENTUCKY BLUEGRASS MIX.



EROSION CONTROL GRASS (NEW ENGLAND EROSION CONTROL AND RESTORATION MIX FOR WET SITES) TO BE USED ON ANY GRASSED DRAINAGE SWALES OR INTERIOR OF DRAINAGE BASINS.

EROSION CONTROL GRASS (NEW ENGLAND EROSION CONTROL AND RESTORATION MIX FOR DRY SITES) FOR SIDESLOPES GRADED FROM 3:1 TO 2:1 (MAX.). APPLIED WITH A BONDED FIBER MATRIX/HYDROSEEDED OR BIODEGRADEABLE ENVIRONMENTAL MATTING.

NOTE: PROVIDE 6 INCH DEPTH PREPARED LOAM BED FOR

LANDSCAPE SURFACE TREATMENT KEY

LOCUS REFERENCES
ASSESSORS PARCEL: 18-8.1
#1603 MAIN STREET
OWNER: LEICESTER MAIN, LLC
LAND COURT CERT. 16956
LAND COURT PLAN 40185-B, LOT
2.83 Acres

ASSESSORS PARCEL: 18A-14 & 15 0 & #1605 MAIN STREET OWNER: LEICESTER MAIN, LLC DEED BOOK 41309, PAGE 153

1.05 Acres

LOCUS LOTS ARE LOCATED WITHIN THE HIGHWAY BUSINESS—INDUSTRIAL 1

DISTRICT.

NOTES

1. THIS PLAN IS BASED ON A FIELD SURVEY PERFORMED BY ODONE SURVEY
& MAPPING IN DECEMBER 2012, AND UPDATED BY ALLEN ENGINEERING & ASSOCIATES, INC. IN DECEMBER 2020.

2. ELEVATIONS REFER TO NAD 88 VERTICAL DATUM.

3. THE SITE FALLS WITHIN A FLOOD ZONE X (AREA OF MINIMAL FLOOD HAZARD) ACCORDING TO FLOOD INSURANCE RATE MAP PANEL NUMBER 25027C0780E.

4. THIS SITE DOES NOT CONTAIN
CERTIFIED VERNAL POOLS OR HABITATS
OF RARE SPECIES ACCORDING TO THE
MASSACHUSETTS NATURAL HERITAGE
WEB SITE AS OF DECEMBER 2020.

5. EXISTING UTILITY LINES SHOWN ON THESE DRAWINGS ARE BASED ON AVAILABLE RECORD INFORMATION OF UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONL' EXISTING UTILITY LINES OTHER THAN THOSE SHOWN MAY BE ON THE SITE. CALL "DIG SAFE" AT 811.

6. THERE SHALL BE NO USE OF FILL CONTAINING HAZARDOUS MATERIALS.

7. APPLICANT SHALL PROVIDE CONSTRUCTION DRAWINGS FOR UNDERGROUND STORAGE TANKS WITH APPLICATION FOR BUILDING PERMIT. DEPTH OF LEDGE/REFUSAL TO BE DETERMINED PRIOR TO DESIGN.



PROFESSIONAL ENGINEER

PREPARED FOR:

Skaff Petroleum, Inc. 334 Grafton Street, Worcester, MA 01604

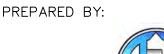
LANDSCAPE & EROSION

#1603 - #1605 Main Street

CONTROL PLAN

In

Leicester, MA





Civil Engineers • Surveyors Land Development Consultants

& ASSOCIATES, INC.

One Charlesview Road Suite 2 Hopedale, Ma 01747 (508) 381-3212 • Phone

(508) 381-3212 • Pho www.allen-ea.com LE: 1"=30 FEET

o 30 60

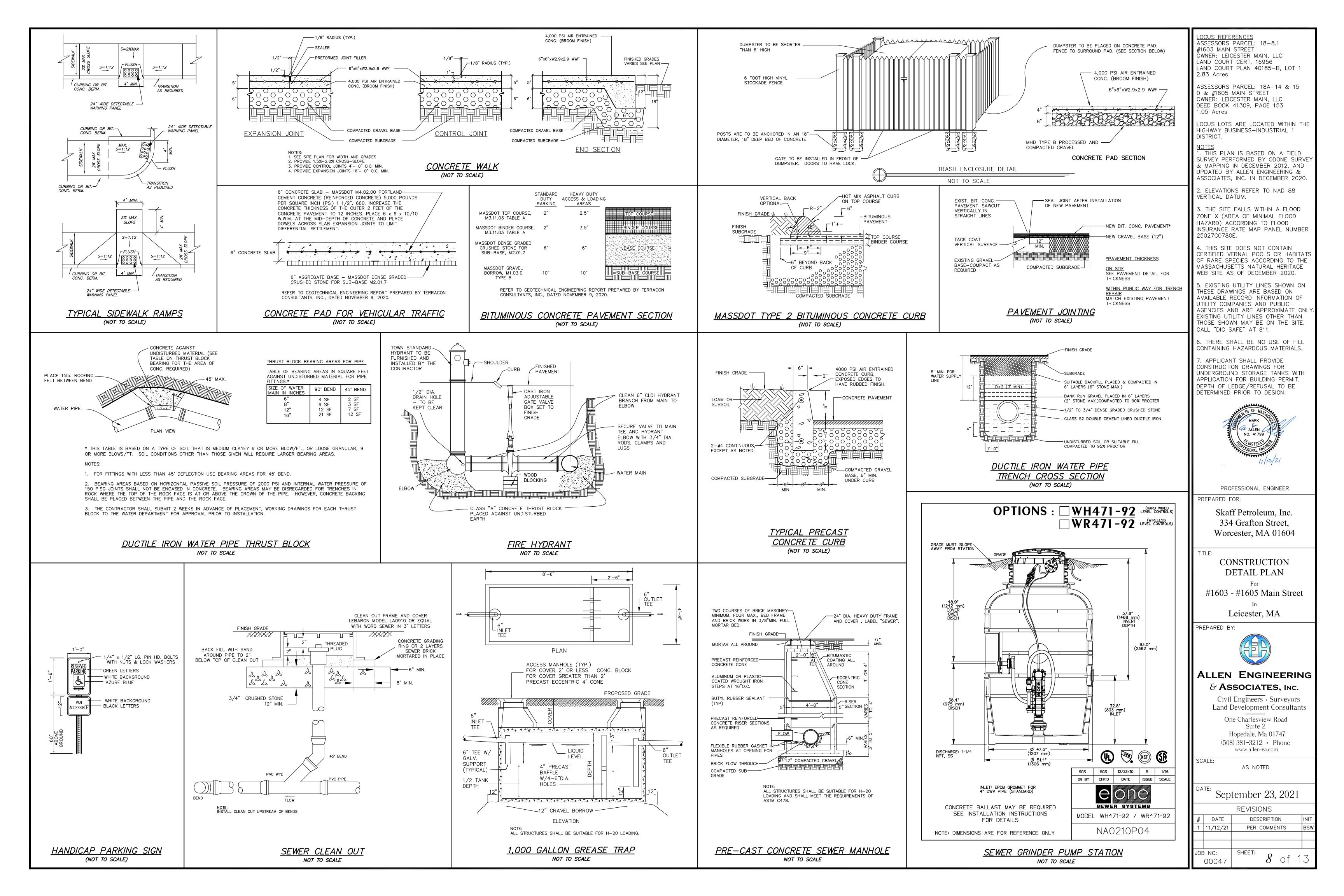
DATE: September 23, 2021

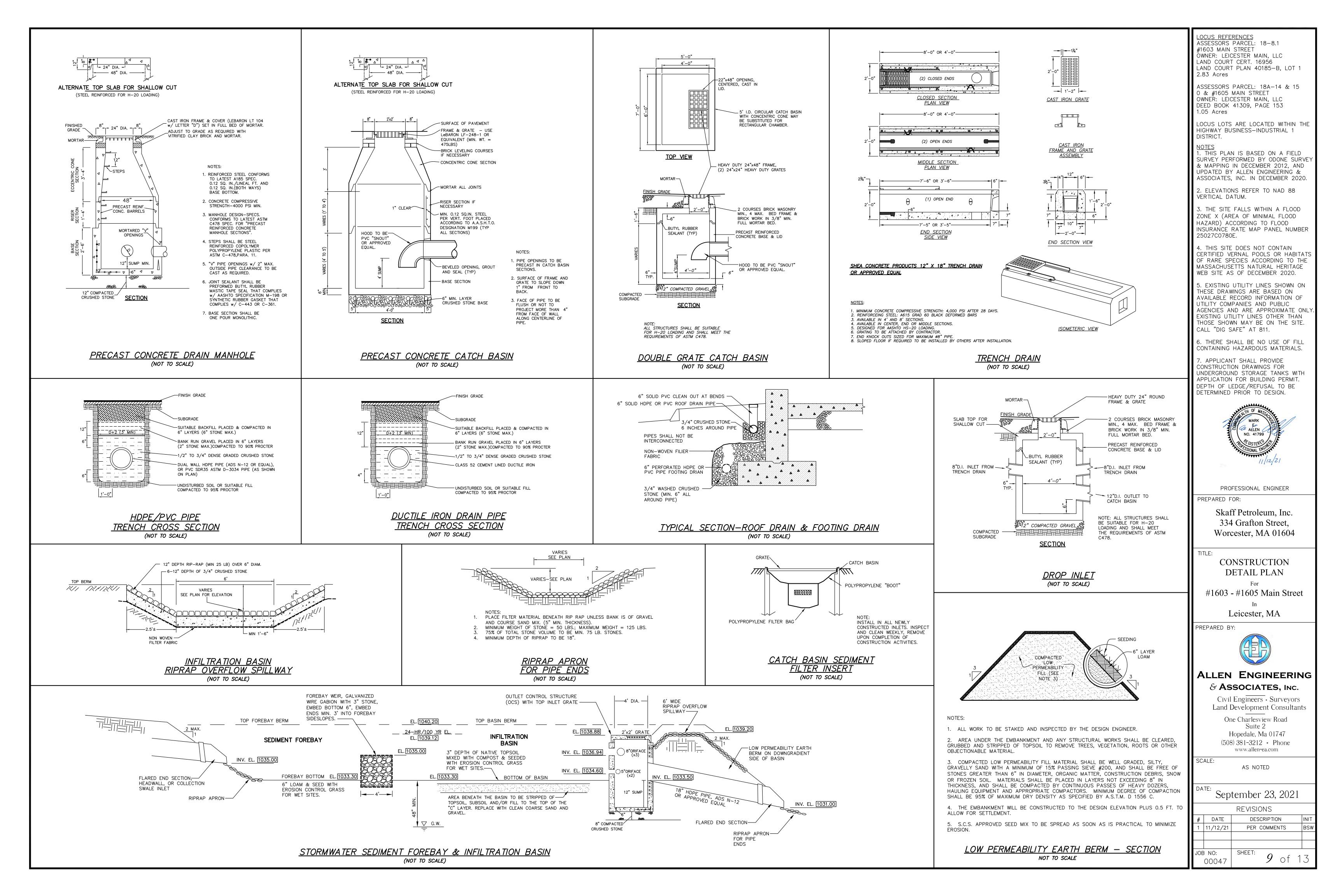
REVISIONS

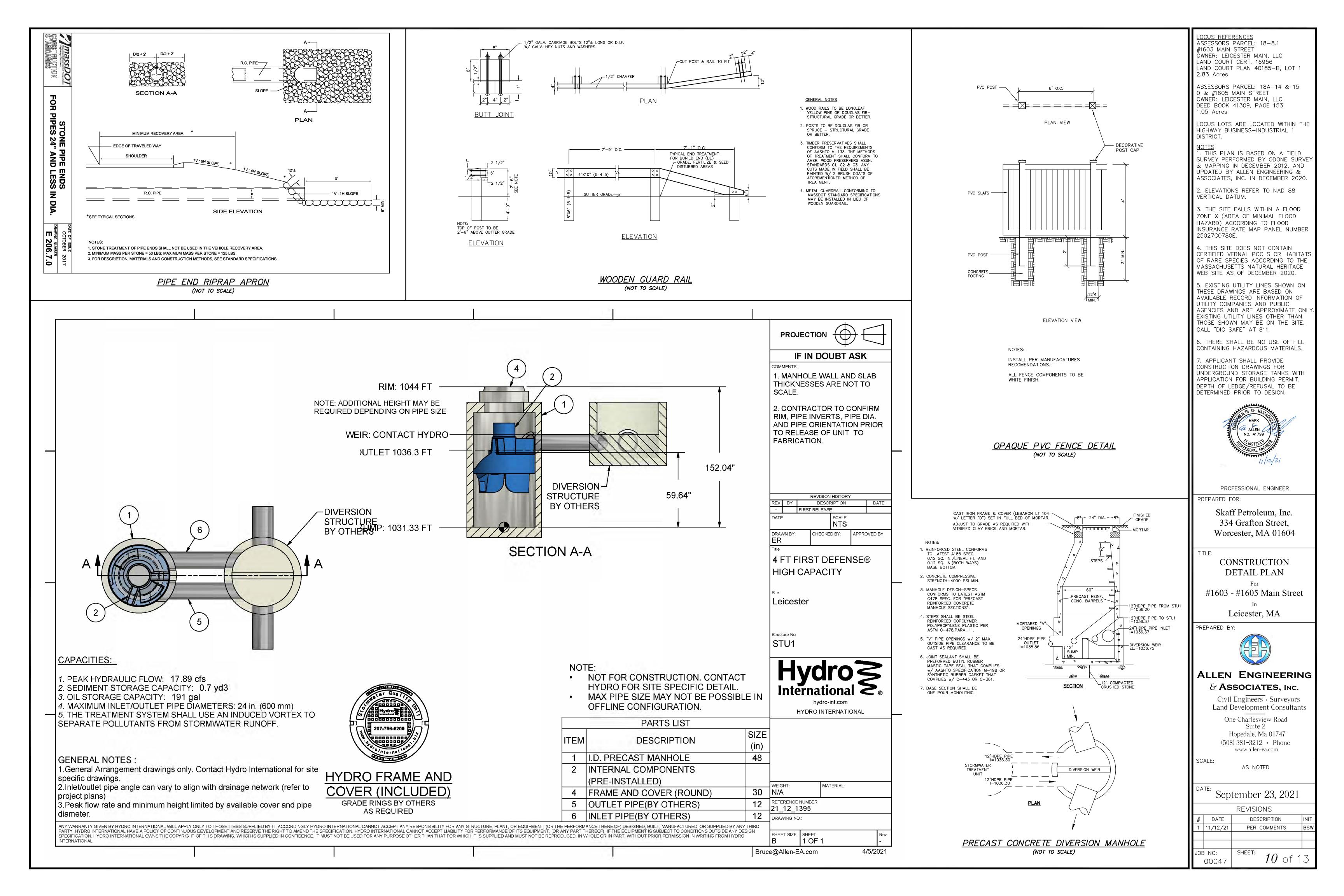
# DATE DESCRIPTION INIT

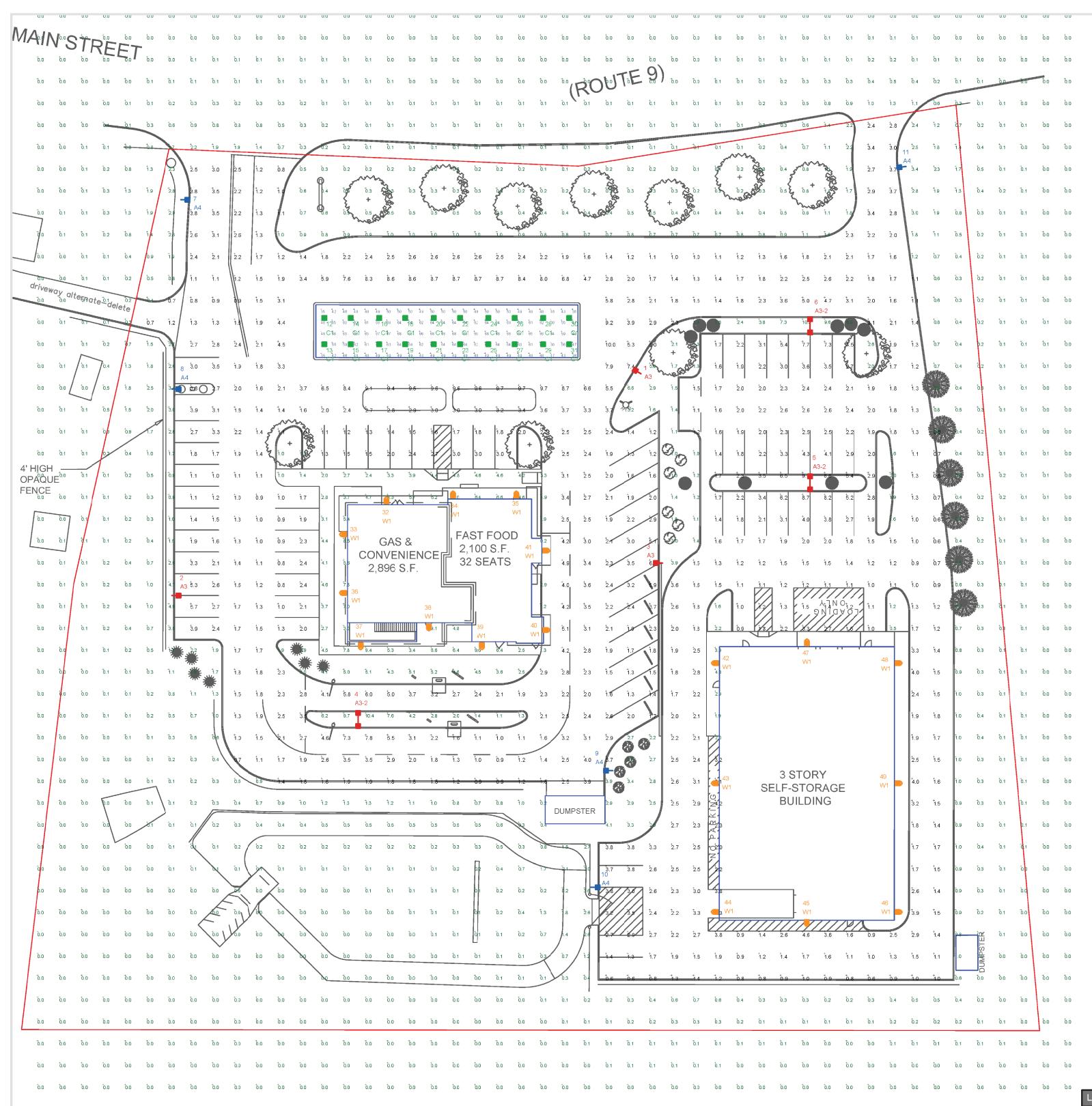
1 11/12/21 PER COMMENTS BSW

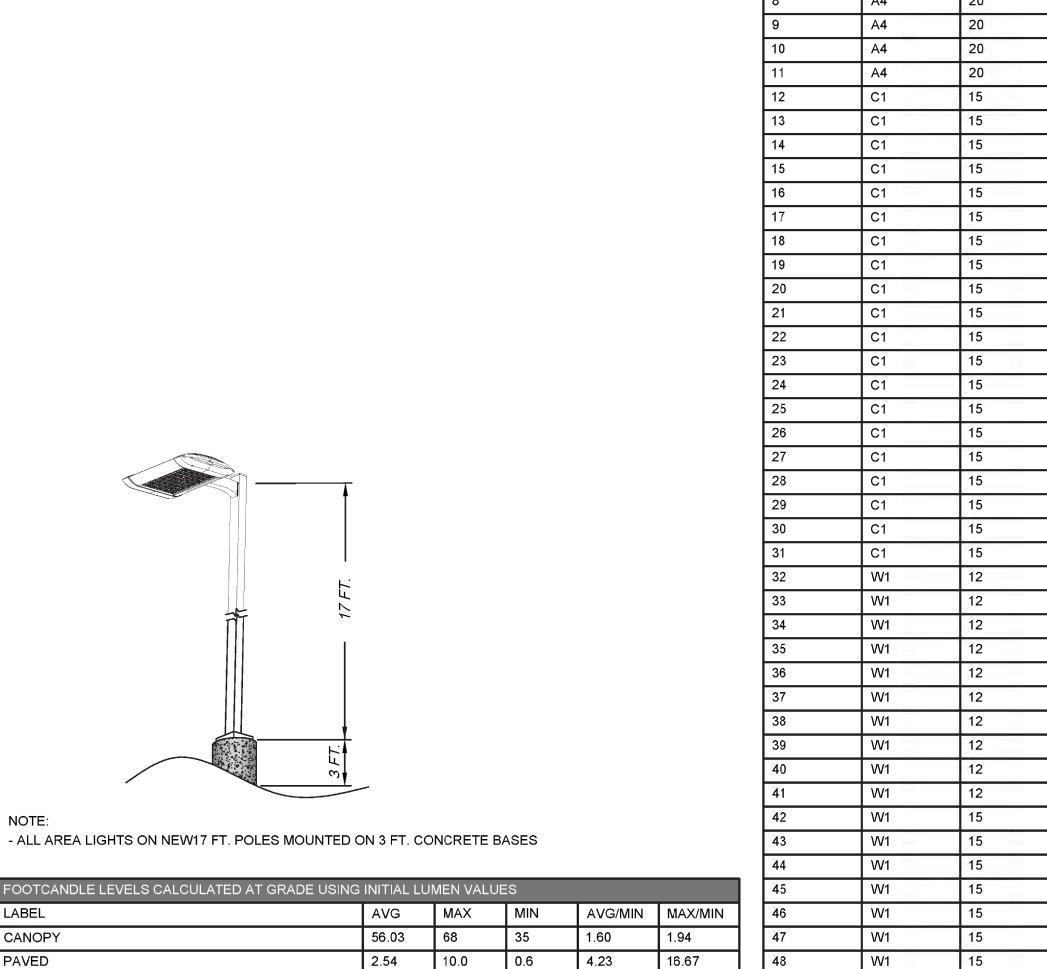
JOB NO: SHEET: 7 of 13

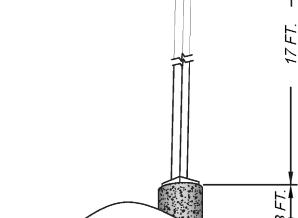












| FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES |       |      |     |         |         |  |  |  |
|--|-------|------|-----|---------|---------|--|--|--|
| LABEL  | AVG   | MAX  | MIN | AVG/MIN | MAX/MIN |  |  |  |
| CANOPY   | 56.03 | 68   | 35  | 1.60    | 1.94    |  |  |  |
| PAVED  | 2.54  | 10.0 | 0.6 | 4.23    | 16.67   |  |  |  |
| UNDEFINED  | 0.60  | 10.4 | 0.0 | N.A.    | N.A.    |  |  |  |

| LUMINAIRE SCHI | LUMINAIRE SCHEDULE |       |             |        |       |            |                 |             |               |  |
|----------------|--------------------|-------|-------------|--------|-------|------------|-----------------|-------------|---------------|--|
| SYMBOL         | QTY                | LABEL | ARRANGEMENT | LUMENS | LLF   | BUG RATING | WATTS/LUMINAIRE | TOTAL WATTS | MANUFACTURER  | CATALOG LOGIC                                |
|                | 3                  | A3    | SINGLE      | 11175  | 1.030 | B2-U0-G2   | 72              | 216         | Cree Lighting | OSQ-ML-B-XX-XX + OSQM-B-11L-57K7-3M-UL-NM-XX |
|                | 3                  | A3-2  | D180        | 11175  | 1.030 | B2-U0-G2   | 72              | 432         | Cree Lighting | OSQ-ML-B-XX-XX + OSQM-B-11L-57K7-3M-UL-NM-XX |
| -              | 5                  | A4    | SINGLE      | 11174  | 1.030 | B2-U0-G2   | 72              | 360         | Cree Inc      | OSQ-ML-B-XX-XX + OSQM-B-11L-57K7-4M-UL-NM-XX |
|                | 20                 | C1    | SINGLE      | 12516  | 1.030 | B3-U0-G1   | 91.19           | 1823.8      | Cree Lighting | CPY250-B-DM-F-13L-UL-XX-57K                  |
|                | 18                 | W1    | SINGLE      | 4270   | 1.030 | B1-U0-G1   | 31              | 558         | Cree Inc      | XSPW-B-WM-3ME-4L-57K-UL-XX                   |

1340 Kemper Meadow Dr, Forest Park, OH 45240 513-574-9500 | redleonard.com

DESCRIPTION REVISED TO INCLUDE SELF STORAGE PARKING DISCLAIMER

ANY SITE PLAN(S), FLOOR PLAN(S), RENDERING(S), LIGHTING LAYOUT(S) AND PHOTOMETRIC PLAN(S) INCLUDING BUT NOT LIMITED TO ANY PROJECT(S) CREATED/PRODUCED BY RED LEONARD ASSOCIATES INC., ARE ONLY INTENDED FOR ILLUSTRATION AND QUOTING PURPOSES ONLY. RED LEONARD ASSOCIATES HAS THE RIGHT TO USE THIRD PARTY LASERS, SCANNERS, AND CAMERAS BUT ACTUAL PROJECT CONDITIONS, DIMENSIONS, AND ACCURACY OF MEASUREMENTS MAY DIFFER FROM THESE OR ANY PARAMETERS. RED LEONARD ASSOCIATES INC. ASSUMES NO LIABILITY FOR WHAT IS CREATED/PRODUCED IN THESE RECREATIONS. THIS INCLUDES BUT IS NOT LIMITED TO THE USE OF, INSTALLATION OF AND/OR INTEGRITY OF EXISTING BUILDING(S), SURROUNDING AREA FOR PRODUCT(S) SUCH AS EXISTING POLE(S), ANCHOR BOLT(S), BASE(S), ARCHITECTURAL AND SIGNAGE STRUCTURE(S), LANDSCAPING PLAN(S), LIGHTING PLAN(S), FIXTURE SELECTION(S) AND PLACEMENT, MATERIAL(S), COLOR ACCURACY, TEXTURE(S), AND ANYTHING ATTRIBUTED TO PHOTO REALISM THAT IS CREATED. FURTHERMORE, FED LEONARD ASSOCIATES INC., DOES NOT ASSUME LIABILITY WHATSOEVER FOF ANY PURCHASES MADE BY CLIENT BEFORE, DURING, OR AT THE CONCLUSION OF THE PUBLISHED WORK. THE CUSTOMER, ITS RELATIVE AFFILIATES, AS WELL AS ANY OTHER PERSON(S) IN VIEWING OF THIS PRODUCT IS RESPONSIBLE FOR VERIFYING COMPLIANCE WITH ANY BUT NOT LIMITED TO ALL CODES, PERMITS, RESTRICTIONS, INSTRUCTIONS, PURCHASES, AND INSTALLATIONS OF OBJECTS VIEWED WITHIN THIS DOCUMENT(S) OR PROJECT(S). SYMBOLS ARE NOT DRAWN TO SCALE. SIZE IS FOR CLARITY PURPOSES ONLY. SIZES AND DIMENSIONS ARE APPROXIMATE, ACTUAL MEASUREMENTS MAY VARY. DRAWINGS ARE NOT INTENDED FOR ENGINEERING OR CONSTRUCTION USE. THIS DOCUMENT, ANY RED LEONARD DRAWING(S), OR PROJECT(S) IS NOT TO BE USED AND/OR INTENDED FOR ENGINEERING OR CONSTRUCTION PURPOSES, BUT FOR ILLUSTRATIVE PURPOSES ONLY, ANY LOCATIONS OF EMERGENCY LIGHTING SHOWN WERE PROVIDED BY OTHERS, RED LEONARD ASSOCIATES IS NOT RESPONSIBLE FOR INSUFFICIENT LIGHTING DURING AN EMERGENCY EVENT.

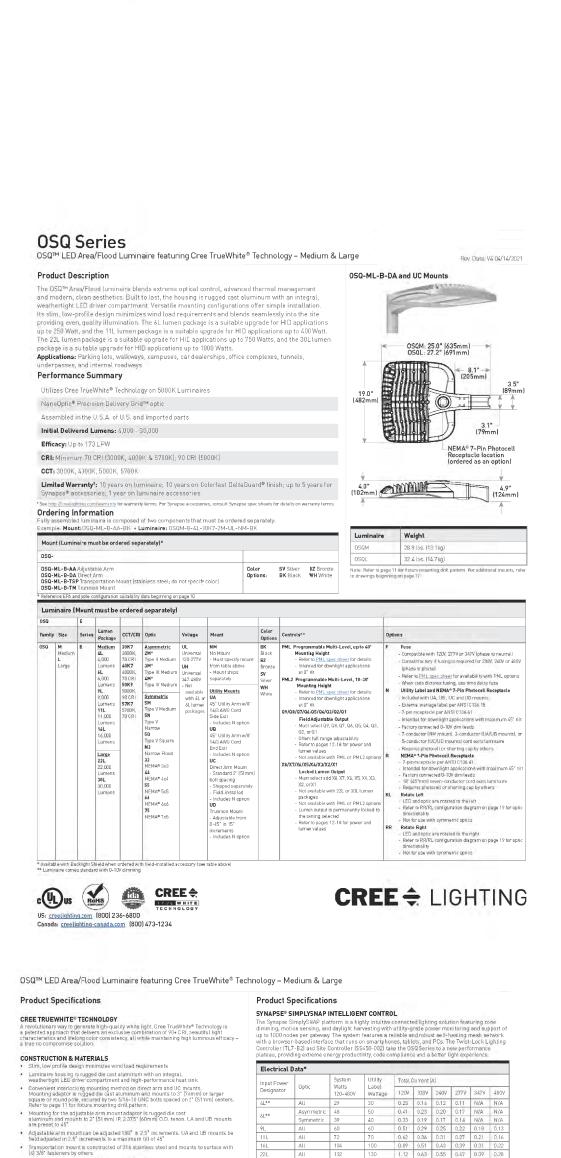
ANY USE OF THIS DOCUMENTATION AND/OR OTHER ARTICLES PRODUCED BY RED LEONARD WITHOUT WRITTEN AUTHORIZATION FROM JAYME J. LEONARD IS STRICTLY PROHIBITED.

SCALE: LAYOUT BY: 1" = 30' LMP DWG SIZE: DATE: D 04/30/21

MOBIL/BURGER KING LEICESTER, MA RL-7353-S1-R1



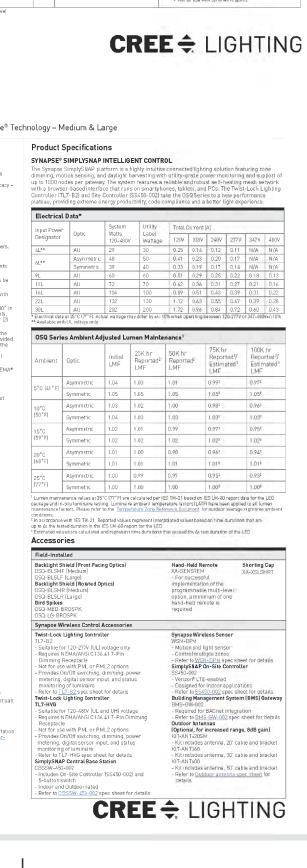
LIGHTING PHOTOMETRIC PLAN JOB NO: 00047 11 of 1.



QTY LABEL DESCRIPTION

3 A3 OSQ-ML-B-XX-XX + OSQM-B-11L-57K7-3M-UL-NM-XX

3 A3-2 OSQ-ML-B-XX-XX + OSQM-B-11L-57K7-3M-UL-NM-XX 5 A4 OSQ-ML-B-XX-XX + OSQM-B-11L-57K7-4M-UL-NM-XX



ELECTRICAL SYSTEM
Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 1 drivers
Power Factor: > 0.9 atfull load

Integral 10kV surge suppression protection standard
 When code dictates fusing, a slow blow fuse or type C/D break address inrush current

 Operating Temperature Range: -40°C - +40°C (-40°F - +104°F) REGULATORY & VOLUNTARY QUALIFICATIONS

cULus Listed (UL1598)
 Suitable for wet locations
 Meets NEA 08277 slandards
 Drivers and LEDs are UL Recognized in accordance with UL8750
 Enclosure rated IPA5 per IEC 80529 when ordered without N or R options
 Cognitify Recognific Proceedings and Communications of the Communication of Communication procedures.

Luminaire and finish endurance tested to withstand 5,000 hours fog conditions as defined in ASTM Standard B 117

Dark Sky Friendly, IDAAp proved when ordered with 30K CCT and direct mounts only. Please refer to <a href="https://www.darksky.org/our-work/lightir">https://www.darksky.org/our-work/lightir</a> industry/fsa/fsa-products/ for most current information

Meets Buy American requirements within ARRA RoHS compliant. Consult factory for additional details

CA RESIDENTS WARNING: Cancer and Reproductive Harm -

US: creelighting.com (300) 236-6800

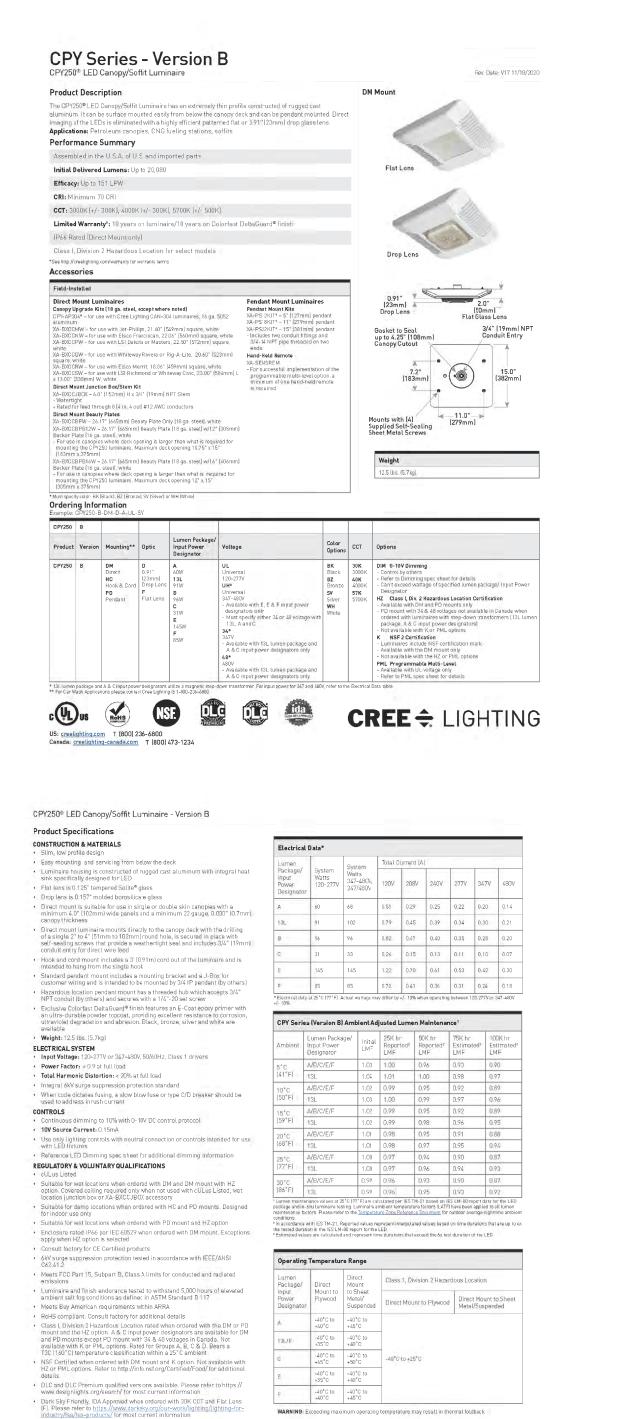
M ASSOCIATES

1340 Kemper Meadow Dr, Forest Park, OH 45240

513-574-9500 | redleonard.com

Canada: creelighting-canada.com [800] 473-1234

Total Harmonic Distortion: < 20% at full load



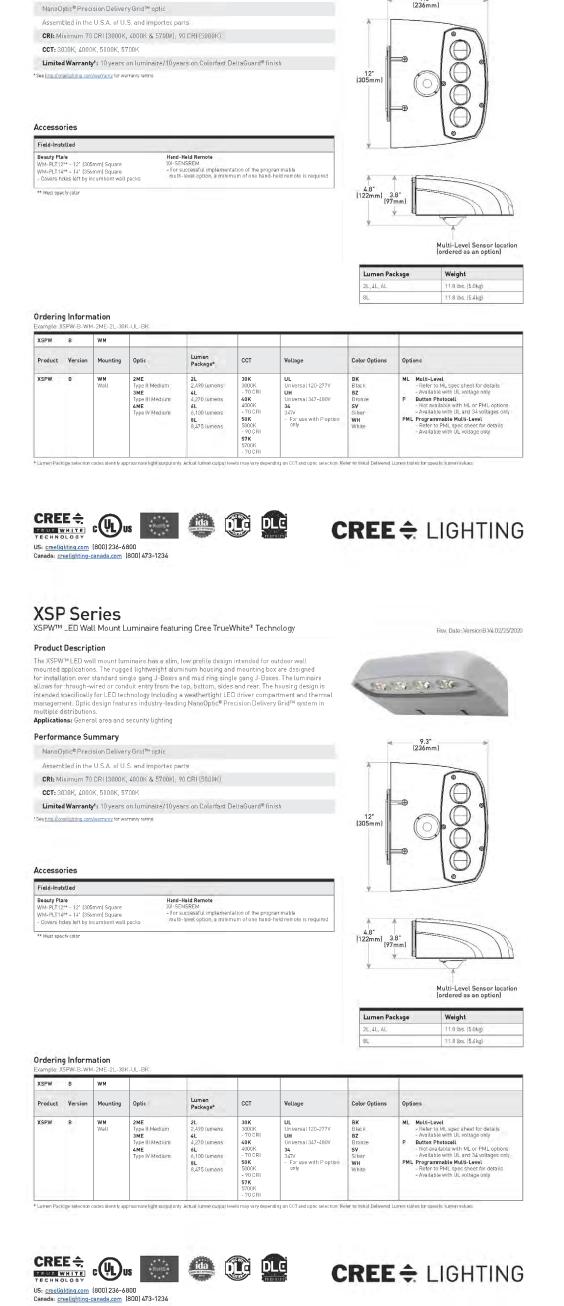
CREE 

 LIGHTING

US: <u>creelighting.com</u> T (800) 236-6800 Canada: <u>creelighting-canada.com</u> T (800) 473-1234

QTY LABEL DESCRIPTION

20 C1 CPY250-B-DM-F-13L-UL-XX-57K



OTY LABEL DESCRIPTION

WALL MOUNTED 18 W1 XSPW-B-WM-3ME-4L-57K-UL-XX

XSP Series

Applications: General area and security lighting

Product Description

Performance Summary

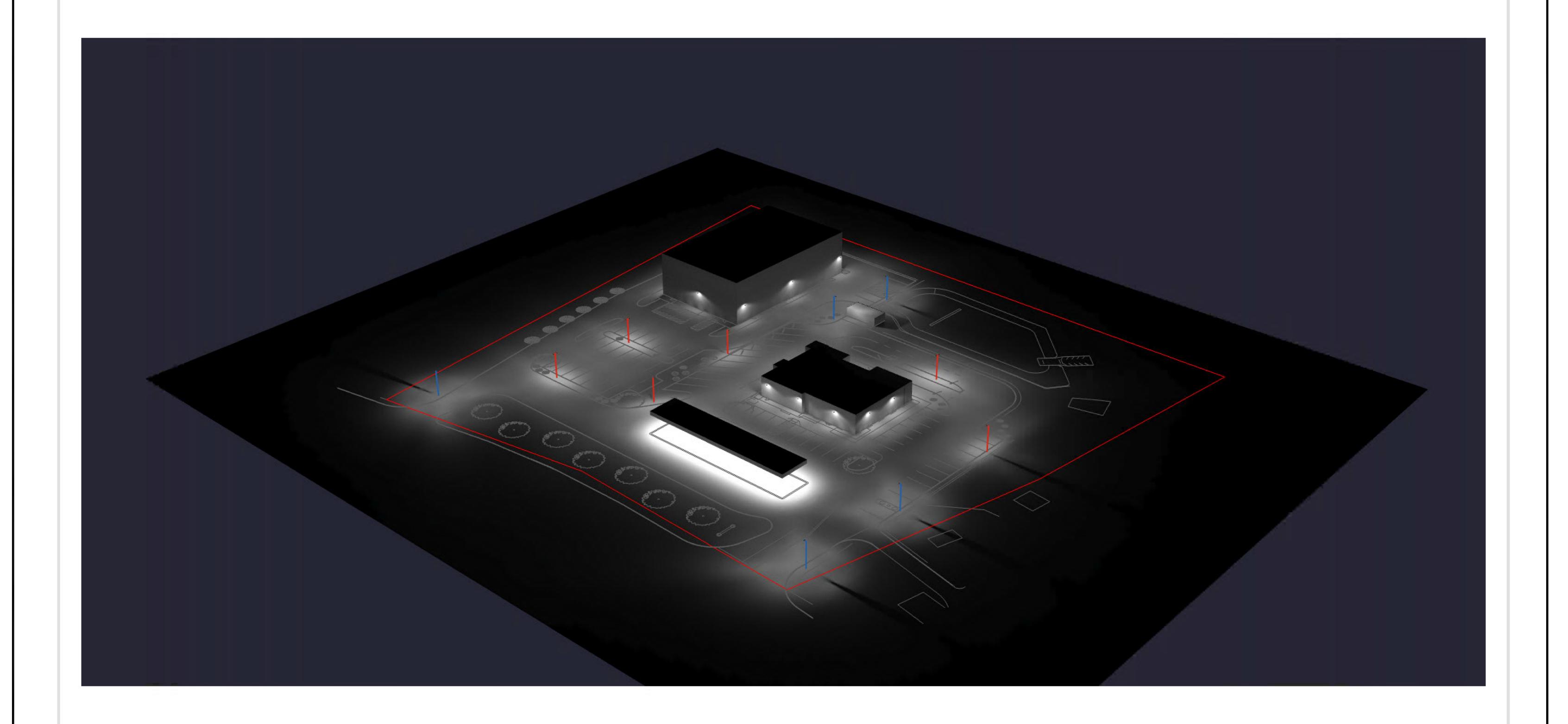
XSPW™ \_ED Wall Mount Luminaire featuring Cree TrueWhite® Technology

ANY SITE PLAN(S), FLOOR PLAN(S), RENDERING(S), LIGHTING LAYOUT(S) AND PHOTOMETRIC PLAN(S) INCLUDING BUT NOT LIMITED TO ANY PROJECT(S) CREATED/PRODUCED BY RED LEGNARD ASSOCIATES INC., ARE ONLY INTENDED FOR ILLUSTRATION AND QUOTING PURPOSES ONLY. RED LEONARD ASSOCIATES HAS THE RIGHT TO USE THIRD PARTY LASERS, SCANNERS, AND CAMERAS BUT ACTUAL PROJECT CONDITIONS, DIMENSIONS, AND ACCURACY OF MEASUREMENTS MAY DIFFER FROM THESE OR ANY PARAMETERS. RED LEONARD ASSOCIATES INC. ASSUMES NO LIABILITY FOR WHAT IS CREATED/PRODUCED IN THESE RECREATIONS. THIS INCLUDES BUT IS NOT LIMITED TO THE USE OF, INSTALLATION OF AND/OR INTEGRITY OF EXISTING BUILDING(S), SURROUNDING AREA FOR PRODUCT(S) SUCH AS EXISTING POLE(S), ANCHOR BOLT(S), BASE(S), ARCHITECTURAL AND SIGNAGE STRUCTURE(S), LANDSCAPING PLAN(S), LIGHTING PLAN(S), FIXTURE SELECTION(S) AND PLACEMENT, MATERIAL(S), COLOR ACCURACY, TEXTURE(S), AND ANYTHING ATTRIBUTED TO PHOTO REALISM THAT IS CREATED. FURTHERMORE, RED LEONAFD ASSOCIATES INC., DOES NOT ASSUME LIABILITY WHATSOEVER FOR ANY PURCHASES MADE BY CLIENT BEFORE, DURING, OR AT THE CONCLUSION OF THE PUBLISHED WORK. THE CUSTOMER, ITS RELATIVE AFFILIATES, AS WELL AS ANY OTHER PERSON (\$) IN VIEWING OF THIS PRODUCT IS RESPONSIBLE FOR VERIFYING COMPLIANCE WITH ANY BUT NOT LIMITED TO ALL CODES, PERMITS, RESTRICTIONS, INSTRUCTIONS, PURCHASES, AND INSTALLATIONS OF OBJECTS VIEWED WITHIN THIS DOCUMENT(S) OR PROJECT(S). SYMBOLS ARE NOT DRAWN TO SCALE, SIZE IS FOR CLARITY PURPOSES ONLY, SIZES AND DIMENSIONS ARE APPROXIMATE, ACTUAL MEASUREMENTS MAY VARY, DRAWINGS ARE NOT INTENDED FOR ENGINEERING OR CONSTRUCTION USE. THIS DOCUMENT, ANY RED LEONARD DRAWING(S), OR PROJECT(S) IS NOT TO BE USED AND/OR INTENDED FOR ENGINEERING OR CONSTRUCTION PURPOSES, BUT FOR ILLUSTRATIVE PURPOSES ONLY. ANY USE OF THIS DOCUMENTATION AND/OR OTHER ARTICLES PRODUCED BY RED LEONARD WITHOUT WRITTEN AUTHORIZATION FROM JAYME J. LEONARD IS STRICTLY PROHIBITED.

PROJECT NAME: MOBIL/BURGER KING LEICESTER, MA DRAWING NUMBER: RL-7353-S1-R1



JOB NO: 00047 SHEET: *12* of 13





ANY SITE PLAN(S), FLOOR PLAN(S), RENDERING(S), LIGHTING LAYOUT(S) AND PHOTOMETRIC PLAN(S) INCLUDING BUT NOT LIMITED TO ANY PROJECT(S) CREATED/PRODUCED BY RED LEONARD ASSOCIATES INC., ARE ONLY INTENDED FOR ILLUSTRATION AND QUOTING PURPOSES ONLY. RED LEONARD ASSOCIATES HAS THE RIGHT TO USE THIRD PARTY LASERS, SCANNERS, AND CAMERAS BUT ACTUAL PROJECT CONDITIONS, DIMENSIONS, AND ACCURACY OF MEASUREMENTS MAY DIFFER FROM THESE OR ANY PARAMETERS. RED LEONARD ASSOCIATES INC. ASSUMES NO LIABILITY FOR WHAT IS CREATED/PRODUCED IN THESE RECREATIONS. THIS INCLUDES BUT IS NOT LIMITED TO THE USE OF, INSTALLATION OF AND/OR INTEGRITY OF EXISTING BUILDING(S), SURROUNDING AREA FOR PRODUCT(S) SUCH AS EXISTING POLE(S), ANCHOR BOLT(S), BASE(S), ARCHITECTURAL AND SIGNAGE STRUCTURE(S), LANDSCAPING PLAN(S), LIGHTING PLAN(S), FIXTURE SELECTION(S) AND PLACEMENT, MATERIAL(S), COLOR ACCURACY, TEXTURE(S), AND ANYTHING ATTRIBUTED TO PHOTO REALISM THAT IS CREATED. FURTHERMORE, RED LEONARD ASSOCIATES INC., DOES NOT ASSUME LIABILITY WHATSOEVER FOR ANY PURCHASES MADE BY CLIENT BEFORE, DURING, OR AT THE CONCLUSION OF THE PUBLISHED WORK. THE CUSTOMER, ITS RELATIVE AFFILIATES, AS WELL AS ANY OTHER PERSON(S) IN VIEWING OF THIS PRODUCT IS RESPONSIBLE FOR VERIFYING COMPLIANCE WITH ANY BUT NOT LIMITED TO ALL CODES, PERMITS, RESTRICTIONS, INSTRUCTIONS, PURCHASES, AND INSTALLATIONS OF OBJECTS VIEWED WITHIN THIS DOCUMENT(S) OR PROJECT(S). SYMBOLS ARE NOT DRAWN TO SCALE. SIZE IS FOR CLARITY PURPOSES ONLY. SIZES AND DIMENSIONS ARE APPROXIMATE, ACTUAL MEASUREMENTS MAY VARY. DRAWINGS ARE NOT INTENDED FOR ENGINEERING OR CONSTRUCTION USE. THIS DOCUMENT, ANY RED LEONARD DRAWING(S), OR PROJECT(S) IS NOT TO BE USED AND/OR INTENDED FOR ENGINEERING OR CONSTRUCTION PURPOSES, BUT FOR ILLUSTRATIVE PURPOSES ONLY. ANY USE OF THIS DOCUMENTATION AND/OR OTHER ARTICLES PRODUCED BY RED LEONARD WITHOUT WRITTEN AUTHORIZATION FROM JAYME J. LEONARD IS STRICTLY PROHIBITED.

PROJECT NAME:

MOBIL/BURGER KING LEICESTER, MA
DRAWING NUMBER:
RL-7353-S1-R1



00047

ELEVATION

JOB NO: LIGHTING ISOMETRIC