

February 7, 2024

Franklin Conservation Commission Franklin Municipal Building 355 East Central Street Franklin MA, 02038

Re:

Peer Review Comment Response 15 Liberty Way, Franklin MA (DEP File No. 159-1282)

Dear Franklin Conservation Commission,

Goddard Consulting, LLC, (Goddard) is pleased to submit this response letter and revised site plans on behalf of Atlantic Oliver 15 Liberty Way LLC (the Applicant), to provide responses to the project review comments issued by BETA Group, Inc. on January 2, 2024, in regard to the Notice of Intent (NOI) filed for 15 Liberty Way, Franklin MA.

Two hard copies have been mailed and a digital copy has been submitted for the Commission's review and approval. If you have any questions, please feel free to contact Chris Frattaroli at (617) 620-2740.

Sincerely, Goddard Consulting, LLC

Chris Frattaroli Wetland Scientist

CC: Mike Shunta, Oliver Street Capital, 125 High St, Boston, MA 02110 Dan Campbell, Level Design Group, 249 South St, Plainville, MA 02762 Elyse Tripp, BETA Group, Inc., 315 Norwood Park South, 2nd Floor, Norwood, MA 02062



### List of Attachments

Attachment A:	BETA Group Comment Responses
Attachment B:	Invasive Species Management Plan Prepared by Goddard Consulting LLC, last revised 2/7/2024
Attachment C:	<b>50-100' Buffer Zone Cover Comparison</b> Prepared by Goddard Consulting LLC, dated 2/6/2024
Attachment D:	Proposed Stormwater Basin Impacts Prepared by Goddard Consulting LLC, dated 2/6/2024
Attachment E:	<b>Proposed Basin Planting Plan</b> Prepared by Goddard Consulting LLC, dated 2/7/2024
Attachment F:	Photo Exhibit Prepared by Goddard Consulting LLC, dated 2/6/2024
Attachment G:	<b>Revised Site Plan Set</b> – <i>Liberty Parking Expansion</i> Prepared by Level Design Group, last revised 2/1/2024



### 1.0 BETA GROUP COMMENT RESPONSES

Goddard and the project's engineer, Level Design Group (LDG), reviewed the BETA Group's comments and offer the following responses to BETA's comments from the third iteration of peer review for this project. BETA's comments from this iteration are denoted as "BETA3". Previously unresolved comments remain, denoted with "BETA2". Previously resolved comments that do not include a "BETA3" response have been omitted.

	BETA Peer Review Comment	Goddard Response							
	ADMINISTRATIVE AND F	PLAN COMMENTS							
A1	BETA3: The NOI has been filed with MassDEP and a File Number has been issued (File No. 159-1282) with no technical comments.	No further comment.							
A3	BETA3: Buffer Zones have been depicted on the plans but are missing labels. In addition, it appears that Buffer Zones have been offset from the boundaries of non-jurisdictional swales within the center of the Site. Buffer Zones should be revised to be accurate and labeled in accordance with the Act and the Bylaw. Comment remains.	Site plans have been revised to depict the relevant Buffer Zones more clearly.							
	WETLAND RESOURCE AREAS AN	D REGULATORY REVIEW							
Intro	BETA3: The Applicant has filed with MassDEP and received a MassDEP file number with no technical comment; however, compliance with the Stormwater Management Standards has not been demonstrated through the concurrent Planning Board review process. Additional information is required to adequately describe the proposed invasive species management plan and to comply with the Bylaw, including details on the proposed methods of treatment and considerations for working within a maintained easement. Prior to further revisions to the proposed invasive species management plan, BETA recommends that the Commission determine if the proposed mitigation is sufficient as mitigation for the filling of Bylaw-jurisdictional wetlands.	Review of project compliance with the Stormwater Management Standards is ongoing with Planning Board. The Applicant intends to confirm with the Commission that the proposed mitigation is sufficient for project impacts.							



W10	BETA2: BETA defers to the Commission for approval of silt fence as an erosion control measure. BETA3: Comment remains.	Goddard and Level Design Group maintain that the erosion controls depicted are appropriate for this project.
W11	cut stems treated with herbicide. When performing cut- stem treatment, however, approximately five (5) inches of the stem should be retained in case resprouting occurs	<ul> <li>a. Section 2.2 has been revised to indicate that ~5" of stem will remain to allow for follow-up treatments.</li> <li>b. The invasive species management plan has been revised to encourage late summer or early fall treatments.</li> <li>c. Other species such as multiflora rose, and honeysuckle are indeed viable candidates for cut-stem treatment. Manual removal was specified to minimize the amount of herbicide required. The invasive species management plan has been revised to allow for cut-stem treatment of these species as well, in order to reduce soil disturbance and improve the kill rate, assuming the maximum application rate is not exceeded.</li> <li>The invasive species management plan has been revised to call for multiple rounds of seeding if necessary.</li> <li>The Applicant will accept a Special Condition requiring the submittal and approval of a planting plan once remaining native species cover has been assessed.</li> </ul>



	<ul> <li>permitted by the Town within the sewer easement. It is recommended that the invasive species management plan be revised to incorporated multiple rounds of seeding with a native seed mixture, as the mowing schedule may impact certain species' abilities to establish seed heads and self-seed.</li> <li>In addition, the Applicant notes that a formal planting plan within the areas subject to the invasive species management plan will only be prepared once mitigation efforts are underway and it is determined which native species will be preserved. The Commission could consider including a Special Condition in the Order of Conditions requiring the Applicant to submit a formal planting plan for review and approval by the Commission prior to construction, after an inventory of native species to remain is performed.</li> </ul>	
	BYLAW REGULATOR	Y COMMENTS
W12	BETA2: BETA defers to the Commission for approval of the Variance Request for work proposed within the IVW, the 0-25' Buffer Zone, and 25-50' Buffer Zone. BETA3: Comment remains.	Substantial invasive species management is proposed. This invasive species management is intended as mitigation for resource area and buffer zone impacts. Additionally, the existing stormwater basin/IVW is proposed to be enhanced and enlarged to provide improved treatment and infiltration of stormwater on the site. Goddard believes the proposed invasive species management and stormwater management features will provide environmental benefits sufficient to mitigate for the proposed impacts to resource areas and buffer zones.
W13	BETA2: Comment not addressed. The Applicant should provide the percentage of impervious surface increase associated with the 18,894 sf of impervious surface proposed in the 50-100' Buffer Zone. BETA defers to the Commission for a determination on whether the proposed mitigation is sufficient for the proposed impacts. BETA3: Comment remains.	The total area of the 50-100' Buffer Zone on site is 63,447 square feet. Currently, 11,116 square feet (approximately 17.5%) of the 50-100' Buffer Zone is impervious. Proposed impervious cover in the 50-100' Buffer Zone will be 30,287 square feet (approximately 47.7%), an increase of 19,171 square feet. See attached graphic titled "50-100' Buffer Zone Cover Comparison". Runoff from the entirety of the proposed impervious area will be captured and treated by proposed stormwater management features.



Page | 6

W14	BETA3: Comment remains. BETA defers to the Commission for a determination on whether the proposed mitigation is sufficient for the proposed impacts, with the understanding that restoration within the sewer easement will only consist of the application of a native seed mixture in lieu of woody plantings.	The Applicant intends to confirm with the Commission that the proposed mitigation is sufficient for project impacts.
	STORMWATER MAN	NAGEMENT
	BETA3: Comment remains. BETA most recently submitted a peer review letter to the Franklin Planning Board on December 14, 2023, outlining remaining issues with the proposed stormwater design. The remaining stormwater comments are primarily related to the documented high groundwater at the Site, and the Applicant's proposal to artificially lower groundwater elevations around an infiltration system in order to meet the 2-foot separation to groundwater requirement. It is anticipated that additional stormwater management system design changes will be required, as the Applicant's proposal does not currently provide the level of recharge required to meet the Standards.	Review of project compliance with the Stormwater Management Standards is ongoing with Planning Board. Revised materials were submitted on 2/5/2024. As part of the revisions made to the stormwater management design, a new infiltration basin is now proposed in the southwest portion of the work area. This stormwater basin will provide a greater capacity for stormwater treatment and improved functionality, while expanding the size of the stormwater basin/IVW onsite. The expanded stormwater basin/IVW will be planted with appropriate wetland species to aid in removal of contaminants and uptake of water, while replicating the functions and characteristics of the lost stormwater basin/IVW. Impacts to the B- and H-series IVWs total approximately 3,719 square feet. The proposed basin measures approximately 6,755 square feet. Photos of this area can be found in the attached Photo Exhibit. Additional graphics are attached detailing the impacts of the proposed basin, and the proposed planting scheme for the basin.



### **Invasive Species Management Plan**

for 15 Liberty Way Franklin, MA (Map 320, Lot 4)

September 7, 2023 Revised: October 24, 2023 Revised: November 14, 2023 Revised: February 7, 2024

### ADDRESSED TO:

Municipal Building Franklin Conservation Commission 355 E. Central Street Franklin, MA 02038

### **PREPARED BY:**

Goddard Consulting LLC 291 Main Street, Suite 8 Northborough, MA 01532

### **PREPARED FOR:**

Atlantic Oliver 15 Liberty Way LLC c/o Oliver Street Capital 125 High Street, Suite 220 Boston, MA 02110



### 1.0 INTRODUCTION

As described in the Notice of Intent submission, invasive species management is proposed as mitigation for impacts to the 25' Buffer Zone, which total 16,553sf, and impacts to Isolated Vegetated Wetlands, which total 2,680sf. The area proposed for invasive species management is partially within the easement area located at the west of the project site, as shown on the attached graphic, and totals 46,374sf. Because the easement area is mowed semiregularly by Franklin DPW, planting of woody vegetation is proposed only in areas outside of the mowed easement access. This area totals approximately 33,000 square feet.

The primary invasive species on the site consist of oriental bittersweet (*Celastrus orbiculatus*), multiflora rose (*Rosa multiflora*), purple loosestrife (*Lythrum salicaria*), common reed (*Phragmites australis*), and honeysuckle (*Lonicera spp.*) These species are known to outcompete native plant species that are important to native wildlife for food and habitat. Management of these species will allow native vegetation present in the area to thrive. It is Goddard's opinion that the proposed mitigation will result in a net improvement of habitat value in the area.



Figure 1: View of invasive plant species in proposed invasive species management area.



Figure 2: View of invasive Phragmites reeds to be treated.



### 2.0 SUPERVISION AND METHODS

All activities in the invasive species management area (ISMA) will be supervised by a qualified wetland scientist with experience in invasive species management. Before work begins, the wetland scientist will coordinate with the selected contractor to flag or otherwise clearly identify the limits of work for the entirety of the invasive species management area. All proposed invasive species management activities will be conducted by hand only. The use of machines in this area is likely to result in increased impacts. Grubbing and cut-stem herbicide treatments as described below will be conducted by hand.

### 2.1 MANUAL REMOVAL

Grubbing is the simplest invasive species management technique. This technique is most effective on species that do not have expansive root systems. Species proposed to be managed with this approach include honeysuckle shrubs and multiflora rose. Simply digging out the plant and the majority of its root system with hand tools is effective in achieving long-term control. Repeated cutting of the above-ground portions of the plant is also an effective method to achieve control. Any invasive species present onsite that are not explicitly addressed in this plan will be managed with manual removal techniques.

### 2.2 <u>CUT-STEM TREATMENT</u>

A cut stem herbicide treatment is proposed for the remaining species that are not adequately addressed with manual grubbing. These species include Phragmites, purple loosestrife, and oriental bittersweet. These species have extensive root systems, and root material not physically removed is likely to resprout, resulting in ineffective control. All species proposed for manual removal may also be managed with a cut-stem treatment assuming that the maximum herbicide application rate is not exceeded.

The herbicide product to be used is EPA-approved for aquatic use – RoundUp Custom (EPA Reg. No. 524-343). This is a simple method that consists of cutting the target plant and applying a 50% diluted RoundUp formulation to the cut stem. The stem should be cut approximately 5" above the ground, to allow room for future cuts if follow-up treatment is necessary. The herbicide will be absorbed by the plant and transported throughout the plant tissue, effectively killing the plant from the inside. This method is exceptionally effective and rarely requires substantial follow-up treatments. All herbicide use will be overseen by a MA Licensed Pesticide Applicator. All stipulations of the product's label will be followed at all times. Cut-stem treatments are most effective in the late summer and early fall and should be conducted at this time of year if possible. Year-round treatments are acceptable but may result in less effective control.

Herbicide application shall not occur during rain events, to ensure effective treatments and reduce any potential for the herbicide to travel offsite. As mentioned above, the method of application will consist of only targeted cut-stem treatments. This method enables the use of a very minimal amount of active herbicide ingredient and allows for precise application with very little potential for off-target impacts. No broadcast herbicide application will be used, as this method has a strong potential for off-target impacts and overspray.

### 2.3 DISPOSAL

All cut plant material will be exported from the site and disposed of appropriately. In order to minimize the spread of invasive plant seeds or roots, cut plant material will be moved to an impervious surface as soon as possible (i.e., by the end of the workday). No soils originating from areas known to support invasive plant species will be moved elsewhere on site.



### 2.4 <u>REVEGETATION</u>

All upland areas within the ISMA will be seeded with the New England Conservation/Wildlife Mix from New England Wetland Plants at the recommended rate of 1lb/1750sf. All wetland areas within the ISMA, including the proposed basin, will be seeded with the New England Wetmix from New England Wetland Plants at the recommended rate of 1lb/2500sf. The seed will be spread after the initial invasive removal effort and raked into the soil. This will establish high-quality herbaceous vegetation that will aid in preventing the spread of invasive species. Reseeding of the easement path may be necessary, as mowing may inhibit the self-seeding ability of the species sown. Reseeding shall be conducted as necessary until the revegetation criteria outlined in section 2.5 of this report has been met.

Because the ISMA does have areas with quality native vegetation present, precise quantities of trees and shrubs to be replanted have not been determined at this point. However, the entire ISMA outside of the mowed easement area will be revegetated with appropriate native woody vegetation. The area outside of the mowed easement area to be replanted measures approximately 32,000sf. Planting quantities and species selection will be determined by a qualified wetland scientist to ensure appropriate placement and achieve the revegetation criteria described in section 2.5 of this report as described below. There will be no less than 6 different species chosen for planting to ensure appropriate species diversity. Plantings for these areas will be selected from the following list:

Upland Planting Areas	Wetland Planting Areas
White pine (Pinus strobus)	Silky dogwood (Cornus amomum)
Black cherry (Prunus serotina)	Northern Arrowwood (Viburnum dentatum)
Serviceberry (Amalanchier canadensis)	Highbush blueberry (Vaccinium corymbosum)
Black chokeberry (Aronia melanocarpa)	Bur-reed (Sparganium americanum)
Lowbush blueberry (Vaccinium angustifolium)	Woolgrass (Scirpus cyperinus)
Witch hazel (Hammamelis virginiana)	Cattail ( <i>Typha latifolia</i> )

\*Depending on nursery availability, other appropriate species not listed here may be selected for planting with Conservation Agent approval.

### 2.5 MONITORING AND REPORTING

As described above, the ISMP areas will be inspected for invasive species during the spring and fall growing seasons during each year of implementation. Monitoring reports shall be prepared for the ISMP by a qualified wetland scientist once a year with the results of the spring and fall inspections. If the report has deemed the management successful,



treatment may cease. If the management has been unsuccessful, adjusted spring and fall treatments will be scheduled and the qualified wetland scientist will inspect the site the following spring.

Monitoring reports will include photographs and details about the vitality of the success of the invasive species management in the area and shall be submitted to the issuing authority by December of each monitoring year. Monitoring reports shall describe, using narratives, plans, and color photographs, the physical characteristics of the management area. Any invasive species present will be noted, flagged, and removed or treated.

For this ISMP to be deemed successful, 75% of the present invasive species cover must be removed, with the regeneration of native plant species in their place. If these terms are not met, the applicant shall submit a remediation plan to the issuing authority for approval that will achieve management/restoration goals under the supervision of a wetland specialist. This plan must include an analysis of why the areas have not successfully re-vegetated with native species and how the Applicant intends to resolve the problem.

This ISMP is for the removal of invasive plants in the area identified on the attached map within the subject parcel, with a goal of establishing a primarily native plant community and improving wildlife habitat adjacent to the soon to be developed portions of the site. To achieve these goals, this plan has proposed an approach consisting of physical and chemical management methods.

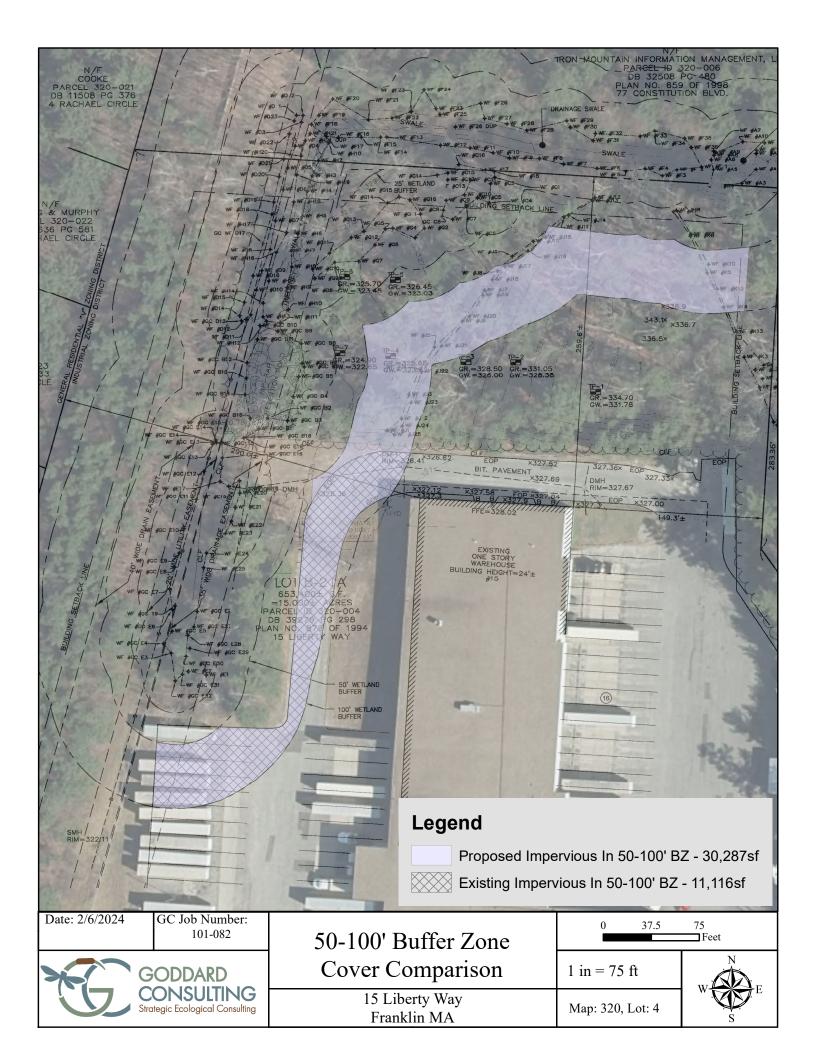
It is our professional opinion that the distinction in removal methods specified previously in this report will allow for the efficient removal of invasive species from the area while affording maximum protection to wetland resource areas, and that the proposed plantings will allow for appropriate revegetation to provide ideal forage and habitat value for wildlife. We therefore respectfully request that the Commission approve this ISMP in conjunction with Notice of Intent for the project at 15 Liberty Way in Franklin, MA.

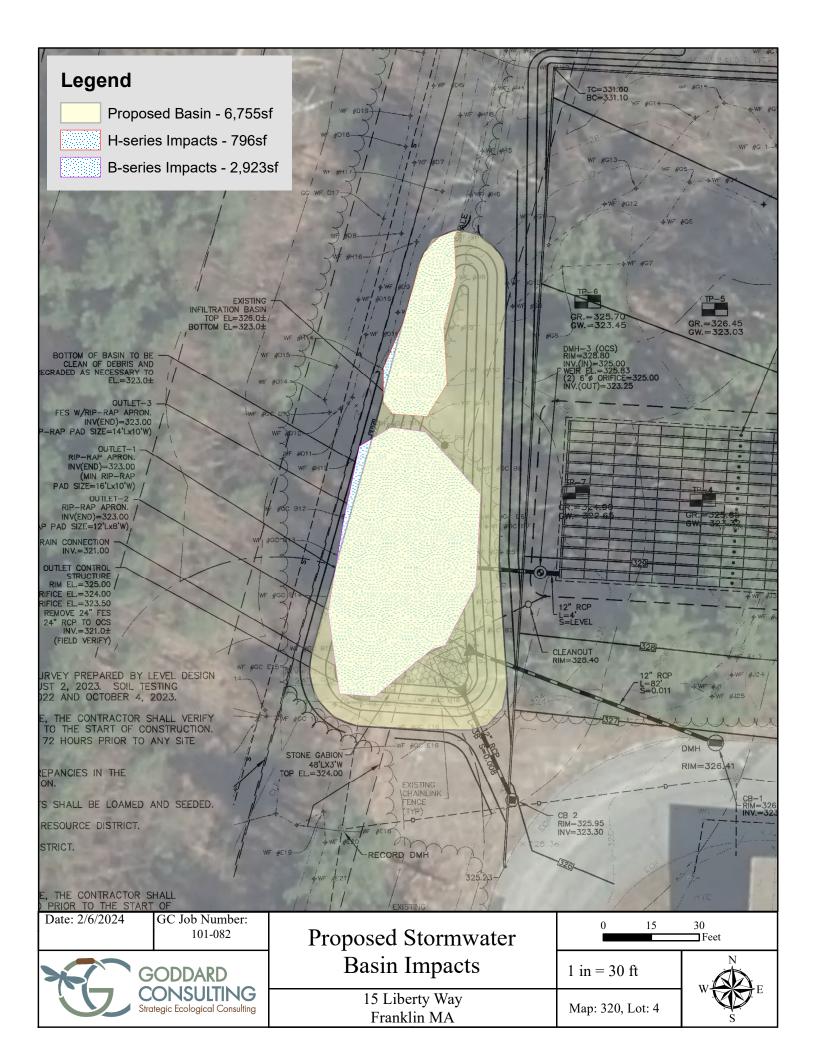
If there are any questions concerning this ISMP, please do not hesitate to contact us.

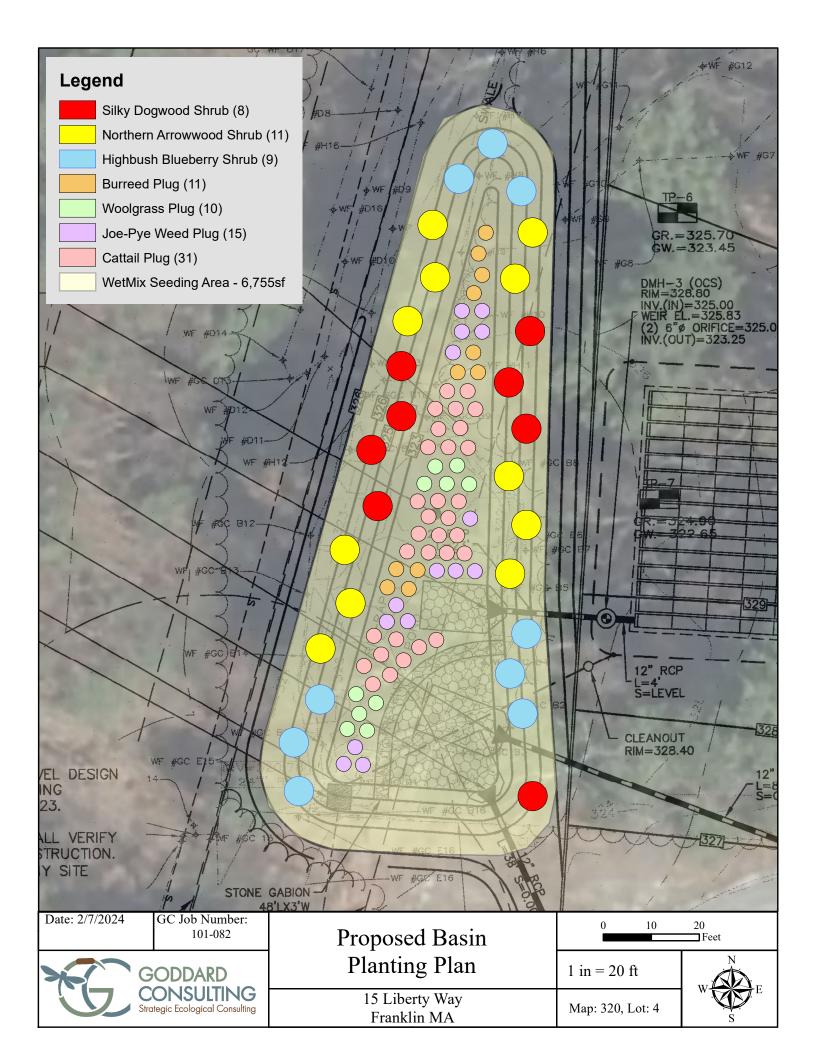
Sincerely,

Goddard Consulting LLC

**Chris Frattaroli** *Wetland Scientist* 









**15 Liberty Way, Franklin MA** DEP File #159-1282 *Site Photo Exhibit* | *1* 

### <u>Photo Exhibit - 2/7/2024</u>

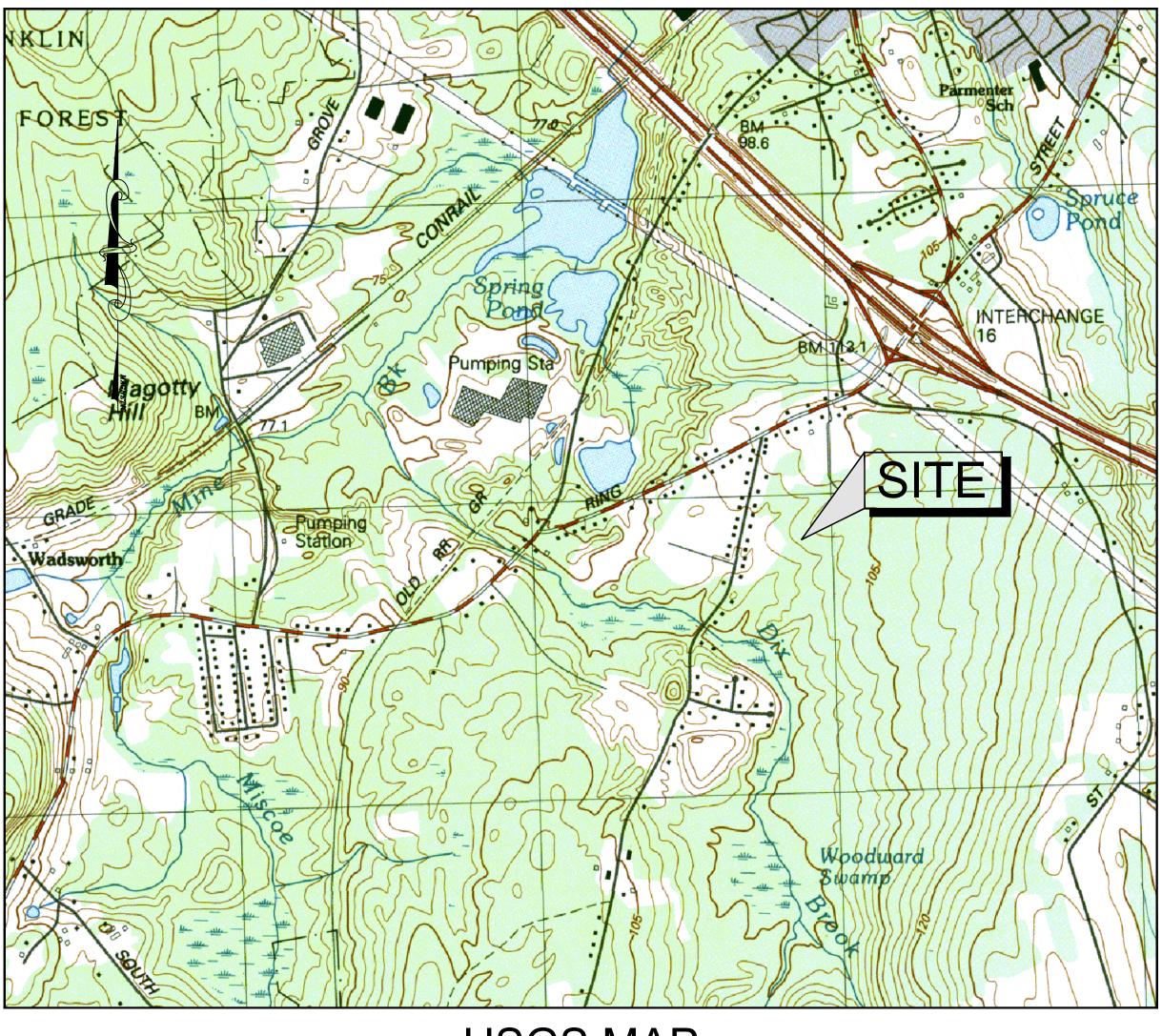


Photo 1. View of stormwater basin/IVW to be enhanced. Riprap lining of the basin is visible at left.

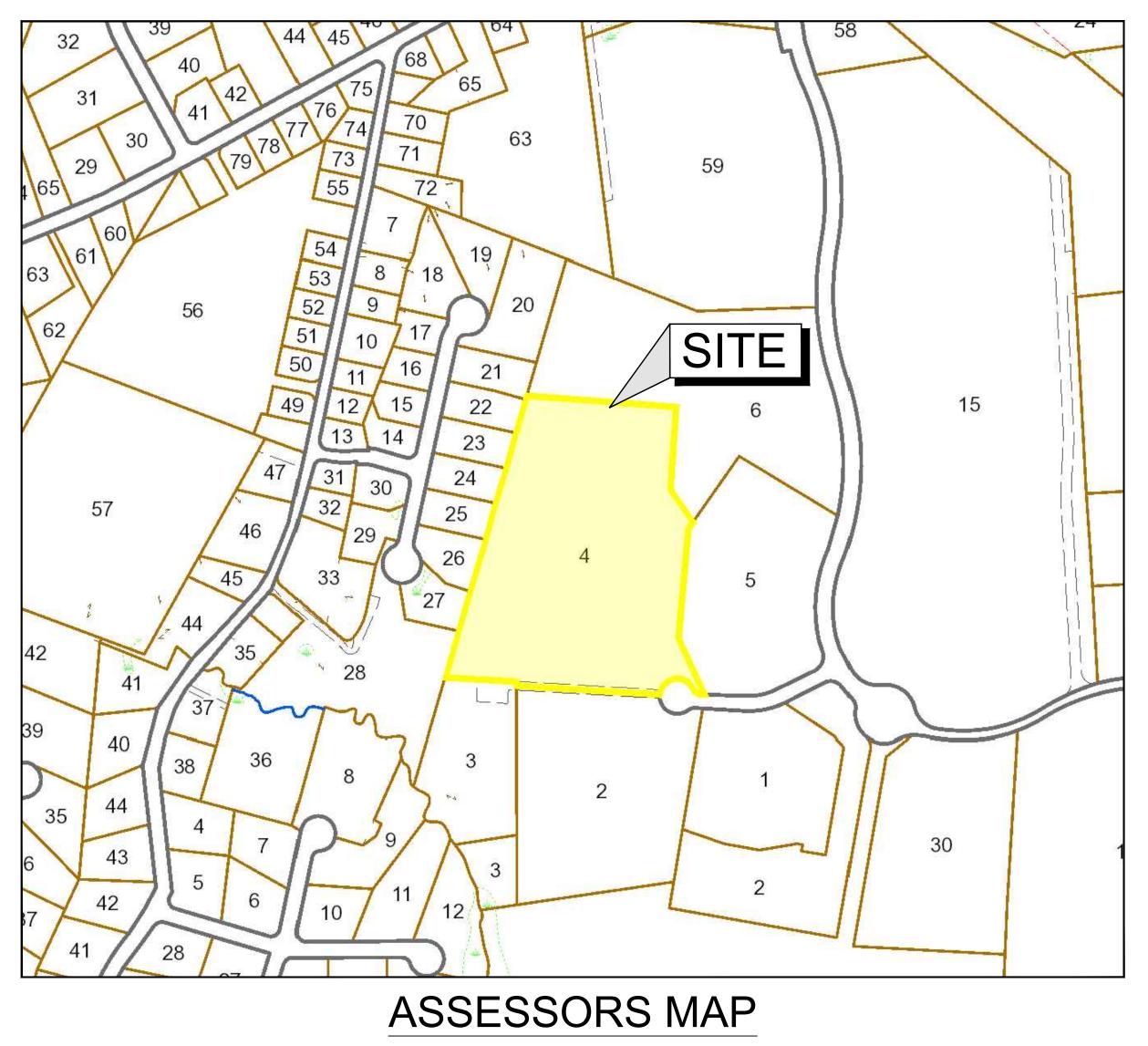


Photo 2: View of stormwater basin/IVW to be enhanced. Concrete flared end section outlet is visible at center.

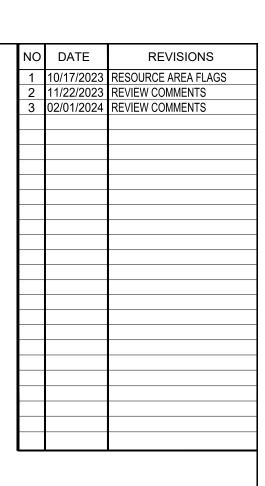
# LIBERTY PARKING EXPANSION OLIVER STREET CAPITAL **15 LIBERTY WAY** FRANKLIN, MASSACHUSETTS DATE: JANUARY 13, 2023 REVISED: FEBRUARY 1, 2024



USGS MAP SCALE:  $1" = 1,000' \pm$ 



SCALE:  $1" = 300' \pm$ 



**APPLICANT:** 

OLIVER STREET CAPITAL 125 HIGH STREET, SUITE 220 BOSTON, MA 02110

**CIVIL ENGINEER:** 



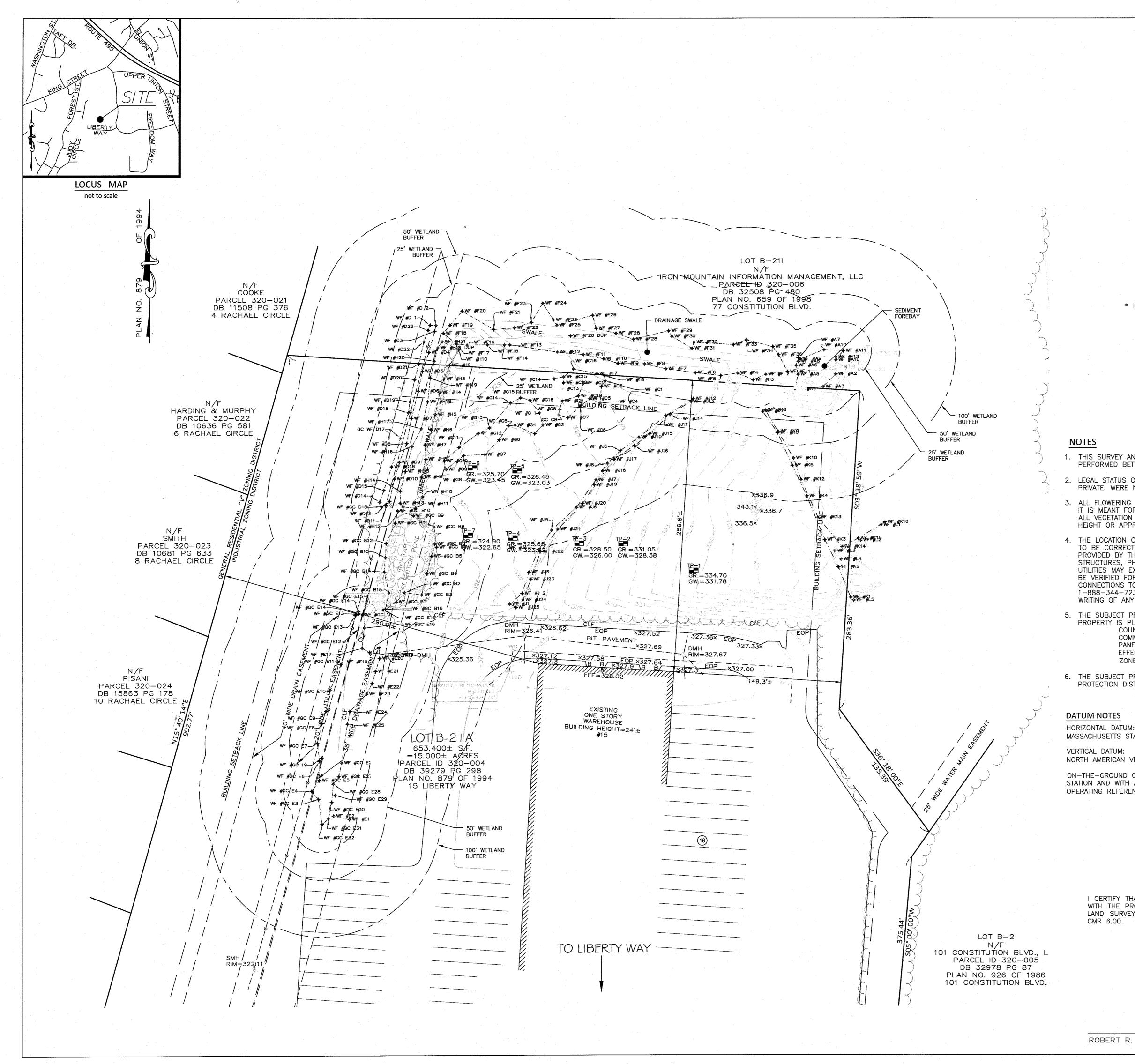
PROPERTY ADDRESS: **15 LIBERTY WAY** FRANKLIN, MASSACHUSETTS

ASSESSORS MAP/PARCEL: MAP 320 , PARCEL 004

ZONING DISTRICT: INDUSTRIAL

## DRAWING LIST:

C-0.0	COVER
C-1.0	EXISTING CONDITIONS
C-2.0	OVERALL SITE PLAN
C-3.0	LAYOUT & MATERIALS
C-4.0	GRADING & DRAINAGE
C-5.0	EROSION CONROL PLAN
C-6.0	TYPICAL DETAILS
C-6.1	TYPICAL DETAILS
C-6.2	TYPICAL DETAILS
SK-1.0	EMERGENCY VEHICLE ACCESS
PH-1.1	PHOTOMETRIC SITE LIGHTING
PH-2.1	PHOTOMETRY LIGHTING SPECS
L-1.0	LANDSCAPE PLAN



### LEGEND

BIT.

CLF

-D-

DMH

ELEV

EOP FES

FFE. HYD

INV

RBF

-S-SMH

PG

RCP

-W-

WG

BOLLARD BITUMINOUS CHAIN LINK FENCE UNDERGROUND DRAIN LINE DEED BOOK DRAIN MANHOLE ELEVATION EDGE OF PAVEMENT FLARED END SECTION FINISHED FLOOR ELEVATION FIRE HYDRANT INVERT NOW OR FORMERLY REBAR FOUND UNDERGROUND SEWER LINE SEWER MANHOLE PAGE REINFORCED CONCRETE PIPE UNDERGROUND WATER LINE WATER GATE

ZONING DISTRICT INDUSTRIAL

### MINIMUM BUILDING SETBACKS

FRONT=40 FEET SIDE=30 FEET\* REAR=30 FEET\* \* INCREASE BY THE COMMON BUILDING HEIGHT OF THE STRUCTURE WHEN ABUTTING A RESIDENTIAL USE.

> DEED REFERENCES ATLANTIC OLIVER 15 LIBERTY WAY, LLC DEED BOOK 39279 PAGE 278

### PLAN REFERENCES

PLAN NO. 879 OF 1994 PLAN NO. 878 OF 1994 PLAN NO. 47 OF 1995

1. THIS SURVEY AND PLAN ARE BASED UPON AN ACTUAL ON THE GROUND INSTRUMENT SURVEY PERFORMED BETWEEN NOVEMBER 2, 2022 AND AUGUST 2, 2023.

LEGAL STATUS OF THE STREETS AND/OR WAYS SHOWN HEREON, WHETHER THEY ARE PUBLIC OR PRIVATE, WERE NOT MADE PART OF THIS SURVEY.

3. ALL FLOWERING PLANTS, SHRUBS, OR TREES MAY NOT BE SHOWN WITHIN LANDSCAPING AREAS. IT IS MEANT FOR ILLUSTRATIVE PURPOSES ONLY AND NOT MEANT AS A COMPLETE INVENTORY OF ALL VEGETATION THAT MAY EXIST. SIZES REFLECT APPROXIMATE TRUNK DIAMETER AT BREAST HEIGHT OR APPROXIMATE DIAMETER OF SHRUB WIDTH.

4. THE LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE ONLY, AND ARE NOT WARRANTED TO BE CORRECT. UNDERGROUND UTILITIES ARE SHOWN BASED ON EITHER RECORD DATA PROVIDED BY THE OPERATING AUTHORITIES, VISUAL INSPECTION OF AVAILABLE ABOVEGROUND STRUCTURES, PHYSICAL SURFACE MARKINGS FOUND, OR DATA PROVIDED BY OTHERS. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT INDICATED ON THESE PLANS. ALL EXISTING UTILITIES SHALL BE VERIFIED FOR SERVICE, SIZE, INVERT ELEVATION, LOCATIONS, ETC. PRIOR TO NEW CONNECTIONS TO OR RELOCATION OF SAME. CONTRACTOR MUST NOTIFY DIG-SAFE AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION. NOTIFY THIS FIRM IN WRITING OF ANY AND ALL DISCREPANCIES PRIOR TO COMMENCING ANY WORK.

5. THE SUBJECT PROPERTY DOES NOT FALL IN A SPECIAL FLOOD HAZARD ZONE AS THE SUBJECT PROPERTY IS PLOTTED BY SCALE ONTO THE FLOOD INSURANCE RATE MAP FOUND AS, COUNTY NORFOLK

COMMUNITY	TOWN OF FRANKLIN	
PANEL	250240 0317E	
EFFECTIVE DATE	JULY 17, 2012	
ZONE	"X"	

6. THE SUBJECT PROPERTY DOES NOT FALL IN THE TOWN OF FRANKLIN'S WATER RESOURCE PROTECTION DISTRICT.

DATUM NOTES

MASSACHUSETTS STATE PLANE - MAINLAND ZONE NAD83 (2011) EPOCH 2010.00 - US FEET

NORTH AMERICAN VERTICAL DATUM OF 1988 (GEOID 12B) - US FEET

ON-THE-GROUND OBSERVATIONS WERE PERFORMED USING A LEICA TS13 (3") ROBOTIC TOTAL STATION AND WITH A SOKKIA GCX3 GPS RECEIVER USING THE MASSACHUSETTS CONTINUOUSLY OPERATING REFERENCE STATION (MaCORS) RTK NETWORK.

I CERTIFY THAT THIS SURVEY AND PLAN WERE PREPARED IN ACCORDANCE WITH THE PROCEDURAL AND TECHNICAL STANDARDS FOR THE PRACTICE OF LAND SURVEYING IN THE COMMONWEALTH OF MASSACHUSETTS, TITLE 250 CMR 6.00.

 
 1
 10/17/2023
 RESOURCE AREA FLAGS

 2
 11/22/2023
 REVIEW COMMENTS

 3
 02/01/2024
 REVIEW COMMENTS
 SEAL ALAAAA DANIEL R. CAMPBELL CIVIL No. 4624 DATE : JANUARY 13, 2023 DRAWN: AH/DRC 1" = 40' SCALE : S ́ С Õ  $\sim$ Ō CHUSI Ш RC  $\triangleleft$ Ω S °,≻ A Q N MA č ≥ M AP SHEET LIBERTY RANKLIN, N  $\square$ MAP 15 LI FRAN DESIGN GROUP Civil Engineers & Land Surveyors 249 SOUTH STREET, UNIT 1 PLAINVILLE, MA 02762 TEL. (508) 695-2221 FAX. (508) 695-2219 EXISTING CONDITIONS SHEET 2 OF 8 20' 40'

208

NO DATE

REVISIONS

DATE

ZONING DISTRICT

ZONED: INDUSTRIAL USE: 3.10 WAREHOUSE, DISTRIBUTION FACILITY (EXISTING)

MINIMUM BUILDING SETBACKS

FRONT=40 FEET SIDE=30 FEET REAR=30 FEET

DEED REFERENCES

ATLANTIC OLIVER 15 LIBERTY WAY, LLC DEED BOOK 39279 PAGE 278

PLAN REFERENCES

PLAN NO. 879 OF 1994 PLAN NO. 878 OF 1994 PLAN NO. 47 OF 1995

ZONING REQUIREMENTS											
ZONING DISTRICT: INDUSTRIAL											
	REQUIRED	EXISTING	PROPOSED								
MIN. LOT AREA	40,000 S.F.	653,400± S.F.	653,400± S.F.								
FRONTAGE	175'	946.73'	946.73'								
FRONT YARD SETBACK	40'	95.9'***	95.9'***								
SIDE YARD SETBACK	30'	149.3'	149.3'								
REAR YARD SETBACK	30'	259.6'	259.6'								
BUILDING COVERAGE	70% MAX.	14.6%**	14.6%**								
IMPERVIOUS COVERAGE	80% MAX.	46.7%***	57.4%***								
MAX. BUILDING HEIGHT	3 STORIES*	1 STORY/24'	1 STORY/24'								
PARKING REQUIREMENTS		· · ·									
USE: EXISTING WAREHOUSE: ONE SPACE PER 1,000 SF OF GROSS FLOOR AREA.	95,475 SF /1,000 SF =96 SPACES	98	(98) EXISTING								

\* BUILDINGS UP TO 60' IN HEIGHT MAY BE PERMITTED BY A SPECIAL PERMIT FROM THE PLANNING BOARD.
 \*\* BUILDING AREA IS BASED ON FRANKLIN ASSESSORS RECORDS
 \*\*\* TAKEN FROM THE RECORD SURVEY IN ADDITION TO AERIAL IMAGERY.

### PLAN NOTES:

- 1. EXISTING CONDITIONS WERE OBTAINED FROM FIELD SURVEY PREPARED BY LEVEL DESIGN GROUP, LLC BETWEEN NOVEMBER 2, 2022 AND AUGUST 2, 2023. SOIL TESTING COMPLETED BY ADAM P. HUNT ON NOVEMBER 16, 2022 AND OCTOBER 4, 2023.
- 2. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. NOTIFY "DIG-SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY SITE DEMOLITION OR EXCAVATION.
- 3. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES IN THE DESIGN PLANS PRIOR TO THE START OF CONSTRUCTION.
- 4. ALL DISTURBED AREAS NOT RECEIVING IMPROVEMENTS SHALL BE LOAMED AND SEEDED.
- 5. THE SITE IS NOT LOCATED WITHIN A ZONE II WATER RESOURCE DISTRICT.
- 6. THE SITE IS NOT LOCATED WITHIN A FLOOD PLAIN DISTRICT.

### CONSTRUCTION NOTES:

- 1. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. NOTIFY "DIG-SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY SITE DEMOLITION OR EXCAVATION.
- 2. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES IN THE DESIGN PLANS PRIOR TO THE START OF CONSTRUCTION.
- 3. ALL EXISTING PAVEMENT SHALL BE SAWCUT PRIOR TO REMOVAL.
- 4. ALL EXISTING PAVEMENT, CURB, WALKS, UTILITIES, LIGHT POLES, TREES, SHRUBS, ETC., SHALL BE REMOVED FROM THE AREAS TO BE DEVELOPED. ALL SUCH ITEMS NOT WITHIN THE WORK AREA SHALL BE PROTECTED AND UNDISTURBED.
- 5. ALL DISTURBED AREAS NOT RECEIVING IMPROVEMENTS SHALL BE LOAMED AND SEEDED.
- 6. ALL CONSTRUCTION AND CONSTRUCTION ACTIVITIES SHALL CONFORM TO STATE AND LOCAL REQUIREMENTS. INCLUDING BUT NOT LIMITED TO THE TOWN OF FRANKLIN, THE COMMONWEALTH OF MASSACHUSETTS AND ANY OTHER AGENCIES HAVING JURISDICTION.
- 7. MATERIAL TO BE EXPORTED FROM THE SITE WILL BE LIMITED TO TOPSOIL IN AREAS TO BE PAVED AND ANY DELETERIOUS MATERIAL ENCOUNTERED DURING EXCAVATION. MATERIAL TO BE EXPORTED WILL BE LIMITED TO GRAVEL BASE AND SEPTIC AGGREGATE.

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



### ZONING DISTRICT

ZONED: INDUSTRIAL

USE: 3.10 WAREHOUSE, DISTRIBUTION FACILITY (EXISTING)

### MINIMUM BUILDING SETBACKS

FRONT=40 FEET SIDE=30 FEET REAR=30 FEET

### DEED REFERENCES

ATLANTIC OLIVER 15 LIBERTY WAY, LLC DEED BOOK 39279 PAGE 278

### PLAN REFERENCES

PLAN NO. 879 OF 1994 PLAN NO. 878 OF 1994 PLAN NO. 47 OF 1995

### PLAN NOTES:

1. EXISTING CONDITIONS WERE OBTAINED FROM FIELD SURVEY PREPARED BY LEVEL DESIGN GROUP, LLC BETWEEN NOVEMBER 2, 2022 AND AUGUST 2, 2023. SOIL TESTING COMPLETED BY ADAM P. HUNT ON NOVEMBER 16, 2022 AND OCTOBER 4, 2023.

WF #H

(GC) 614

#GC

to

♦WF #E2

∲WE #21/

WF

∲₩F #E23

----WF #E.2

-WF #E23

11

艇19----

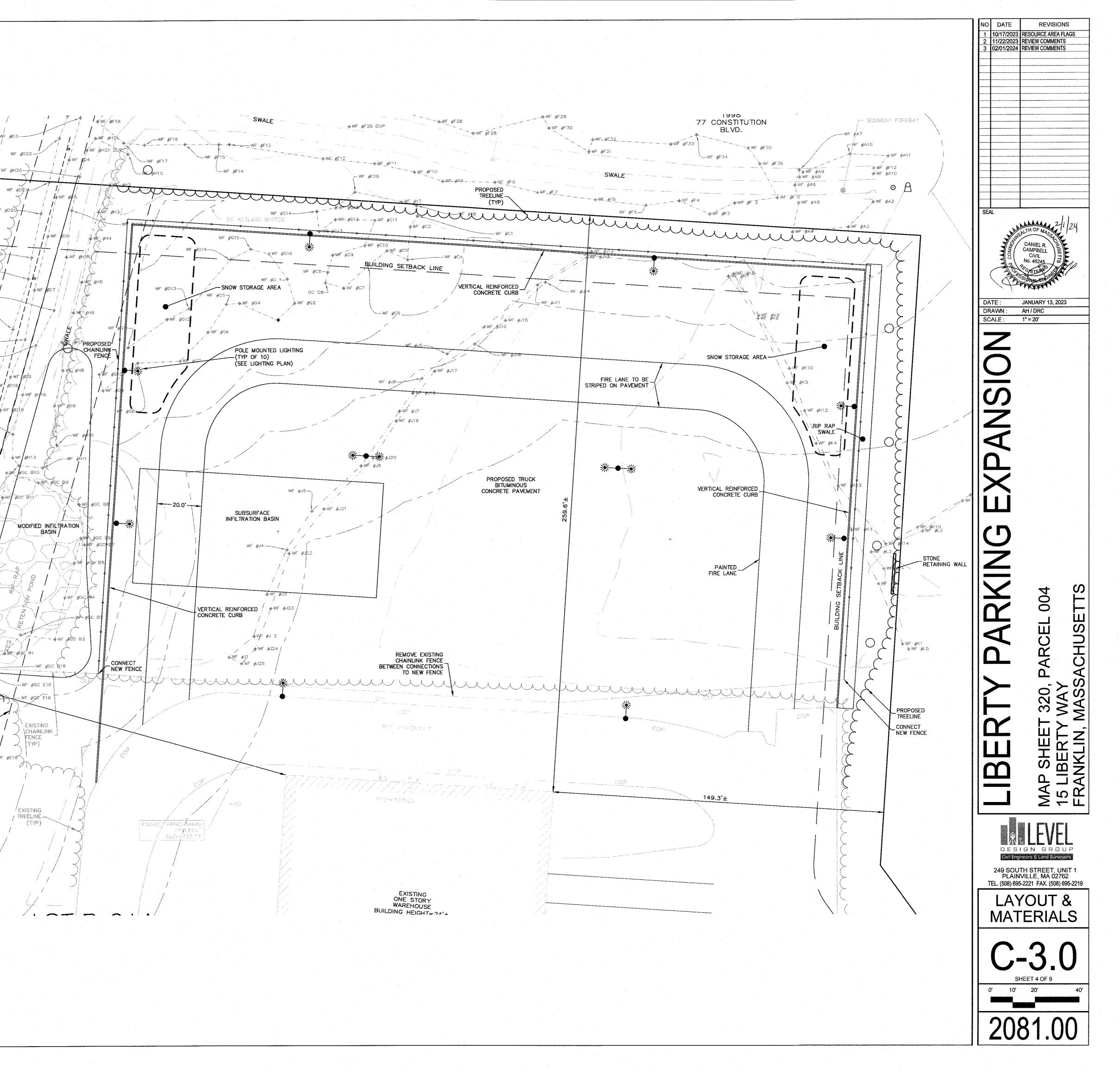
290.0'±

- 2. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. NOTIFY "DIG-SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY SITE DEMOLITION OR EXCAVATION.
- 3. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES IN THE DESIGN PLANS PRIOR TO THE START OF CONSTRUCTION.
- 4. ALL DISTURBED AREAS NOT RECEIVING IMPROVEMENTS SHALL BE LOAMED AND SEEDED.
- 5. THE SITE IS NOT LOCATED WITHIN A ZONE II WATER RESOURCE DISTRICT.
- 6. THE SITE IS NOT LOCATED WITHIN A FLOOD PLAIN DISTRICT.

### CONSTRUCTION NOTES:

- 1. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. NOTIFY "DIG-SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY SITE DEMOLITION OR EXCAVATION.
- 2. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES IN THE DESIGN PLANS PRIOR TO THE START OF CONSTRUCTION.
- 3. ALL EXISTING PAVEMENT SHALL BE SAWCUT PRIOR TO REMOVAL.
- 4. ALL EXISTING PAVEMENT, CURB, WALKS, UTILITIES, LIGHT POLES, TREES, SHRUBS, ETC., SHALL BE REMOVED FROM THE AREAS TO BE DEVELOPED. ALL SUCH ITEMS NOT WITHIN THE WORK AREA SHALL BE PROTECTED AND UNDISTURBED.
- 5. ALL DISTURBED AREAS NOT RECEIVING IMPROVEMENTS SHALL BE LOAMED AND SEEDED.
- 6. ALL CONSTRUCTION AND CONSTRUCTION ACTIVITIES SHALL CONFORM TO STATE AND LOCAL REQUIREMENTS. INCLUDING BUT NOT LIMITED TO THE TOWN OF FRANKLIN, THE COMMONWEALTH OF MASSACHUSETTS AND ANY OTHER AGENCIES HAVING JURISDICTION.
- 7. MATERIAL TO BE EXPORTED FROM THE SITE WILL BE LIMITED TO TOPSOIL IN AREAS TO BE PAVED AND ANY DELETERIOUS MATERIAL ENCOUNTERED DURING EXCAVATION. MATERIAL TO BE EXPORTED WILL BE LIMITED TO GRAVEL BASE AND SEPTIC AGGREGATE.

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





# MINIMUM BUILDING SETBACKS

FRONT=40 FEET SIDE=30 FEET REAR=30 FEET

DEED REFERENCES ATLANTIC OLIVER 15 LIBERTY WAY, LLC DEED BOOK 39279 PAGE 278

> PLAN NO. 879 OF 1994 PLAN NO. 878 OF 1994 PLAN NO. 47 OF 1995

> > INFILTRATION BASIN TOP EL=326.0±/ BOTTOM EL=323.0±

EXISTING

STONE GABION --48'LX3'W

TOP EL.=324.00

. . W

...................................₩E2.

WF #E19----

#GC E26

BOTTOM OF BASIN TO BE CLEAN OF DEBRIS AND REGRADED AS NECESSARY TO EL.=323.0±

OUTLET-3 FES W/RIP-RAP APRON. INV(END)=323.00 (MIN RIP-RAP PAD SIZE=14'Lx10'W)

OUTLET-1 RIP-RAP APRON. INV(END)=323.00 (MIN RIP-RAP PAD SIZE=16'Lx10'W) OUTLET-2 -RIP-RAP APRON. INV(END)=323.00 (MIN RIP-RAP PAD SIZE=12'Lx8'W), CURTIAN DRAIN CONNECTION INV.=321.00

60"X60" OUTLET CONTROL STRUCTURE RIM EL.=325.00 / 10"Hx20"W ORIFICE EL.=324.00 6"HX32"W ORIFICE EL.=323.50 REMOVE 24" FES AND EXTEND 24" RCP TO OCS INV.=321.0± (FIELD VERIFY)

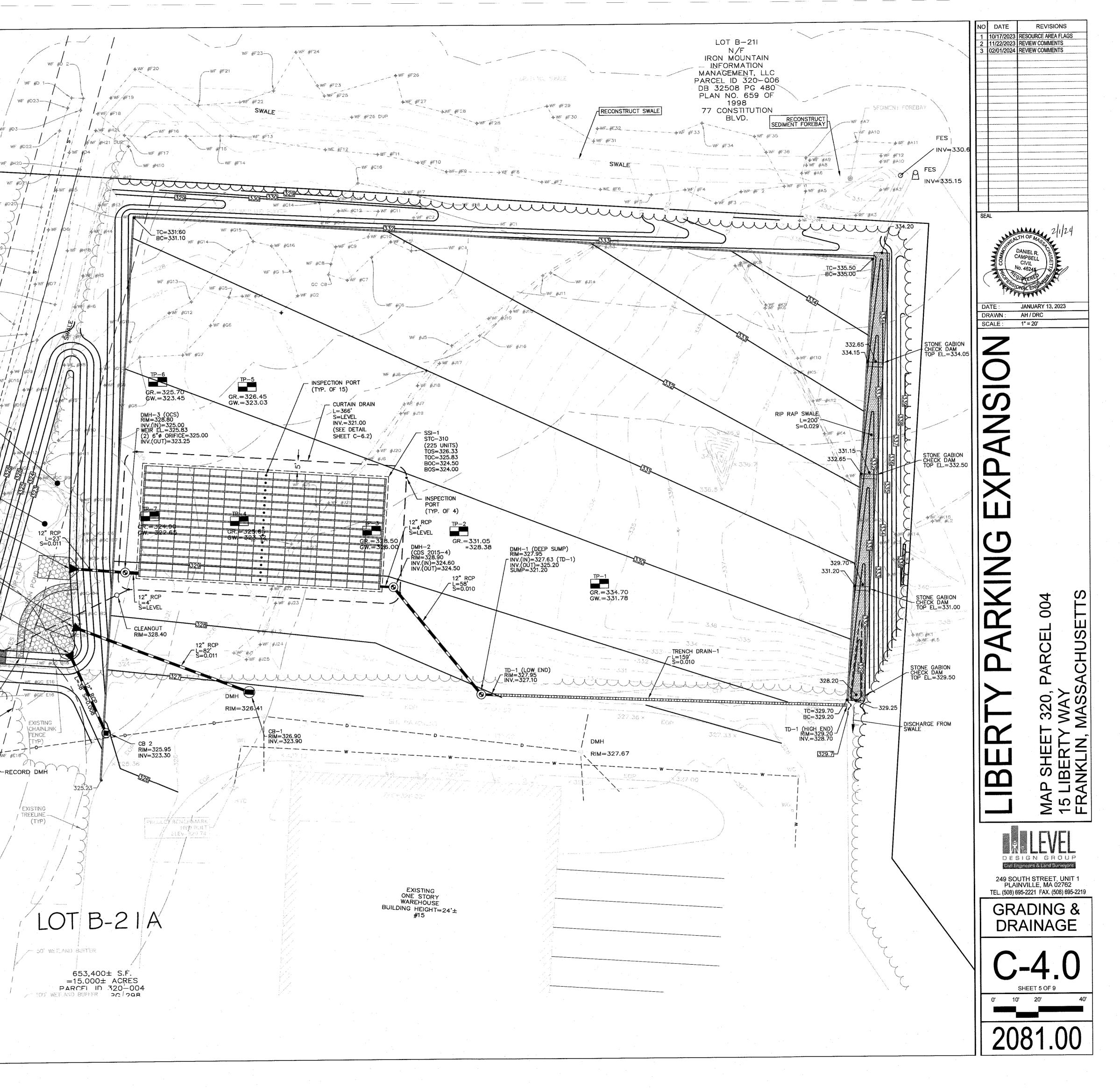
### PLAN NOTES:

- 1. EXISTING CONDITIONS WERE OBTAINED FROM FIELD SURVEY PREPARED BY LEVEL DESIGN GROUP, LLC BETWEEN NOVEMBER 2, 2022 AND AUGUST 2, 2023. SOIL TESTING COMPLETED BY ADAM P. HUNT ON NOVEMBER 16, 2022 AND OCTOBER 4, 2023.
- 2. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. NOTIFY "DIG-SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY SITE DEMOLITION OR EXCAVATION.
- 3. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES IN THE DESIGN PLANS PRIOR TO THE START OF CONSTRUCTION.
- 4. ALL DISTURBED AREAS NOT RECEIVING IMPROVEMENTS SHALL BE LOAMED AND SEEDED.
- 5. THE SITE IS NOT LOCATED WITHIN A ZONE II WATER RESOURCE DISTRICT.
- 6. THE SITE IS NOT LOCATED WITHIN A FLOOD PLAIN DISTRICT.

### CONSTRUCTION NOTES:

- 1. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. NOTIFY "DIG-SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY SITE DEMOLITION OR EXCAVATION.
- 2. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES IN THE DESIGN PLANS PRIOR TO THE START OF CONSTRUCTION.
- 3. ALL EXISTING PAVEMENT SHALL BE SAWCUT PRIOR TO REMOVAL.
- 4. ALL EXISTING PAVEMENT, CURB, WALKS, UTILITIES, LIGHT POLES, TREES, SHRUBS, ETC., SHALL BE REMOVED FROM THE AREAS TO BE DEVELOPED. ALL SUCH ITEMS NOT WITHIN THE WORK AREA SHALL BE PROTECTED AND UNDISTURBED.
- 5. ALL DISTURBED AREAS NOT RECEIVING IMPROVEMENTS SHALL BE LOAMED AND SEEDED.
- 6. ALL CONSTRUCTION AND CONSTRUCTION ACTIVITIES SHALL CONFORM TO STATE AND LOCAL REQUIREMENTS. INCLUDING BUT NOT LIMITED TO THE TOWN OF FRANKLIN, THE COMMONWEALTH OF MASSACHUSETTS AND ANY OTHER AGENCIES HAVING JURISDICTION.
- 7. MATERIAL TO BE EXPORTED FROM THE SITE WILL BE LIMITED TO TOPSOIL IN AREAS TO BE PAVED AND ANY DELETERIOUS MATERIAL ENCOUNTERED DURING EXCAVATION. MATERIAL TO BE EXPORTED WILL BE LIMITED TO GRAVEL BASE AND SEPTIC AGGREGATE.

### SITE PLAN NOTES:



ZONING DISTRICT

ZONED: INDUSTRIAL USE: 3.10 WAREHOUSE, DISTRIBUTION FACILITY (EXISTING)

### MINIMUM BUILDING SETBACKS

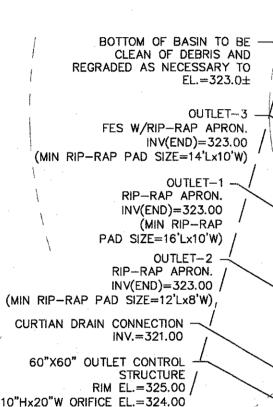
FRONT=40 FEET SIDE=30 FEET REAR=30 FEET

### DEED REFERENCES

ATLANTIC OLIVER 15 LIBERTY WAY, LLC DEED BOOK 39279 PAGE 278

### PLAN REFERENCES

PLAN NO. 879 OF 1994 PLAN NO. 878 OF 1994 PLAN NO. 47 OF 1995



WF #GC E14-4

EXISTING

STONE GABION -48'LX3'W

🚸 WF

\* WF #E231

----WF #E2

11

STORMWATER INLET PROTECTION

WF #E23

TOP EL.=324.00

WF #E19-

INFILTRATION BASIN

BOTTOM EL=323.0±

TOP EL=326.0±

6"HX32"W ORIFICE EL.=323.50 REMOVE 24" FES AND EXTEND 24" RCP TO OCS INV.=321.0± (FIELD VERIFY)

### EROSION CONTROL PLAN NOTES:

SILTATION CONTROL USING EROSION CONTROL FENCE WITH STRAW WATTLE OR APPROVED EQUAL

SILTSOXX IS TO BE VISUALLY INSPECTED AFTER EVERY RAIN FALL AND REPAIRS MADE AS REQUIRED TO THE SILTATION CONTROL FENCE AND STRAW WATTLE AFTER EACH RAIN FALL. CLEANOUT OF ACCUMULATED SEDIMENT BEHIND THE WATTLE IS NECESSARY IF 1/2 OF THE ORIGINAL HEIGHT OF THE WATTLE APPEARS TO HAVE BEEN INUNDATED WITH SEDIMENT.

### PRESERVE TOPSOIL

SITE OWNERS AND OPERATORS MUST PRESERVE EXISTING TOPSOIL ON THE CONSTRUCTION SITE TO THE MAXIMUM EXTENT FEASIBLE AND AS NECESSARY TO SUPPORT HEALTHY VEGETATION, PROMOTE SOIL STABILIZATION, AND INCREASE STORMWATER INFILTRATION RATES IN THE POST-CONSTRUCTION PHASE OF THE PROJECT.

### STABILIZATION OF SOILS

UPON COMPLETION AND ACCEPTANCE OF SITE PREPARATION AND INITIAL INSTALLATION OF EROSION, RUNOFF, AND SEDIMENT CONTROLS AND TEMPORARY POLLUTION PREVENTION MEASURES, THE OPERATOR SHALL INITIATE APPROPRIATE TEMPORARY OR PERMANENT STABILIZATION PRACTICES DURING ALL PHASES OF CONSTRUCTION ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED UNLESS THE ACTIVITY IS TO RESUME WITHIN TWENTY-ONE (21) DAYS.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AFTER FINAL SITE STABILIZATION. DISTURBED SOIL AREAS RESULTING FROM THE REMOVAL OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED WITHIN 30 DAYS OF REMOVAL.

ONLY AREAS THAT CAN BE REASONABLY EXPECTED TO HAVE ACTIVE CONSTRUCTION WORK BEING PERFORMED WITHIN 14 DAYS OF DISTURBANCE WILL BE CLEARED/GRUBBED AT ANY ONE TIME. IT IS NOT ACCEPTABLE TO GRUB AND STRIP TOP SOIL THE ENTIRE CONSTRUCTION SITE IF PORTIONS WILL NOT BE ACTIVE WITHIN THE 14-DAY TIME FRAME. PROPER PHASING OF CLEARING AND GRUBBING ACTIVITIES SHALL INCLUDE TEMPORARY STABILIZATION TECHNIQUES FOR AREAS CLEARED AND GRUBBED THAT WILL NOT BE ACTIVE WITHIN THE 14-DAY TIME FRAME.

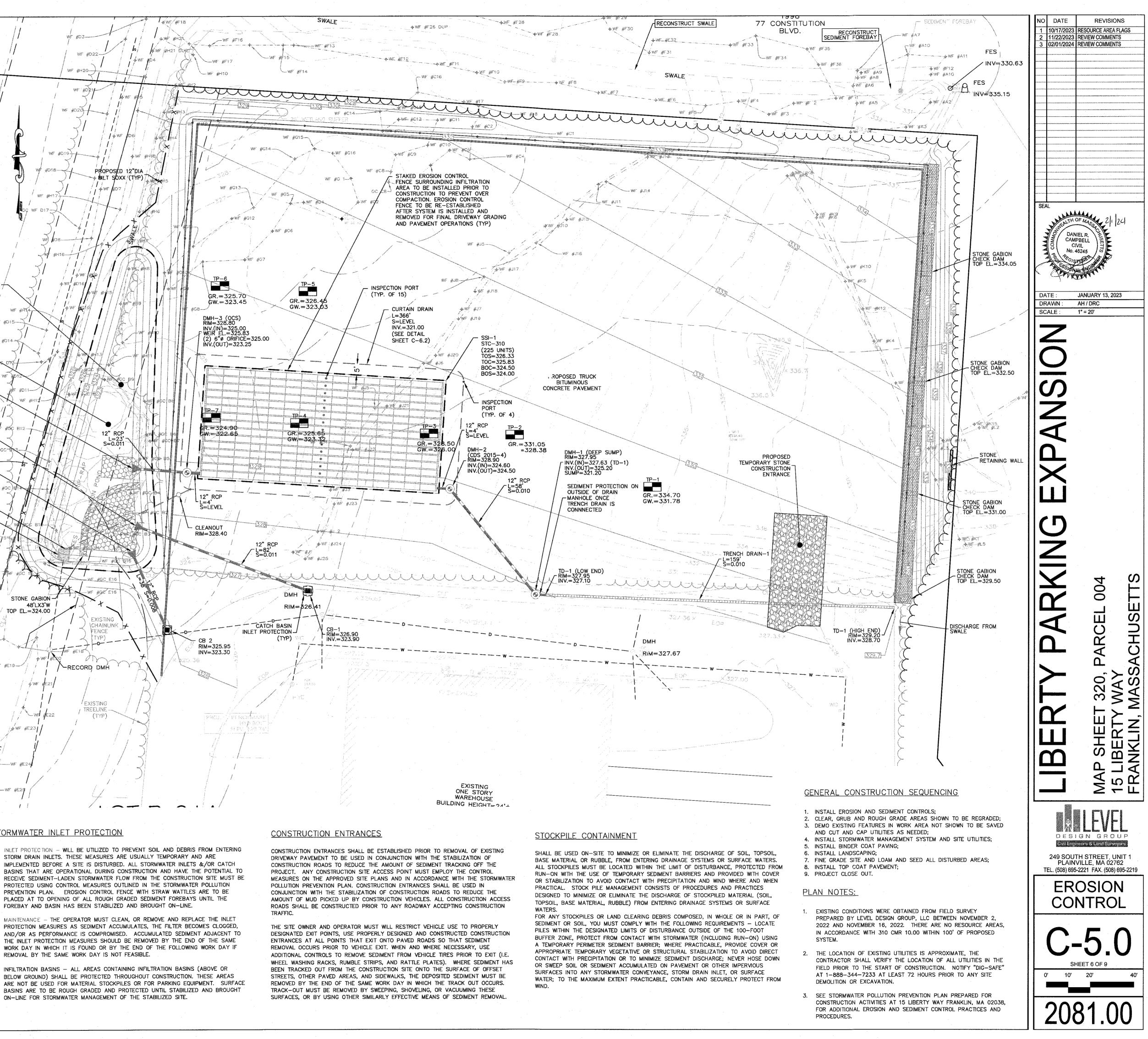
ONLY AREAS THAT CAN BE REASONABLY EXPECTED TO HAVE ACTIVE CONSTRUCTION WORK BEING PERFORMED WITHIN 14 DAYS OF DISTURBANCE WILL BE CLEARED/GRUBBED AT ANY ONE TIME. IT IS NOT ACCEPTABLE TO GRUB AND STRIP TOP SOIL THE ENTIRE CONSTRUCTION SITE IF PORTIONS WILL NOT BE ACTIVE WITHIN THE 14-DAY TIME FRAME. PROPER PHASING OF CLEARING AND GRUBBING ACTIVITIES SHALL INCLUDE TEMPORARY STABILIZATION TECHNIQUES FOR AREAS CLEARED AND GRUBBED THAT WILL NOT BE ACTIVE WITHIN THE 14-DAY TIME FRAME.

STEEP SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON. THE CONTRACTOR SHALL INITIATE APPROPRIATE VEGETATIVE PRACTICES ON ALL DISTURBED AREAS IN AREAS OF STEEP SLOPES AS SOON AS POSSIBLE BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS THE ACTIVITY IS TO RESUME WITHIN TWENTY-ONE (21) DAYS. ONCE AN STEEP SLOPE AREA HAS BEEN TEMPORARY AND/OR FINAL SEEDED IT SHALL BE PROTECTED WITH 4' HIGH ORANGE CONSTRUCTION TO PREVENT FURTHER DISTURBANCE OF THE AREA.

THE TEMPORARY SEEDING DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING: TYPE

> ANNUAL RYE GRASS PERENNIAL RYE GRASS

% BY WEIGHT 40 60



INLET PROTECTION - WILL BE UTILIZED TO PREVENT SOIL AND DEBRIS FROM ENTERING STORM DRAIN INLETS. THESE MEASURES ARE USUALLY TEMPORARY AND ARE IMPLEMENTED BEFORE A SITE IS DISTURBED. ALL STORMWATER INLETS &/OR CATCH PROTECTED USING CONTROL MEASURES OUTLINED IN THE STORMWATER POLLUTION PREVENTION PLAN. EROSION CONTROL FENCE WITH STRAW WATTLES ARE TO BE PLACED AT TO OPENING OF ALL ROUGH GRADED SEDIMENT FOREBAYS UNTIL THE FOREBAY AND BASIN HAS BEEN STABILIZED AND BROUGHT ON-LINE.

PROPOSED 12"DIA

BULT SOXX (TYP

12" RCP

FXISTING

FENCE

∽RECORD DMĤ

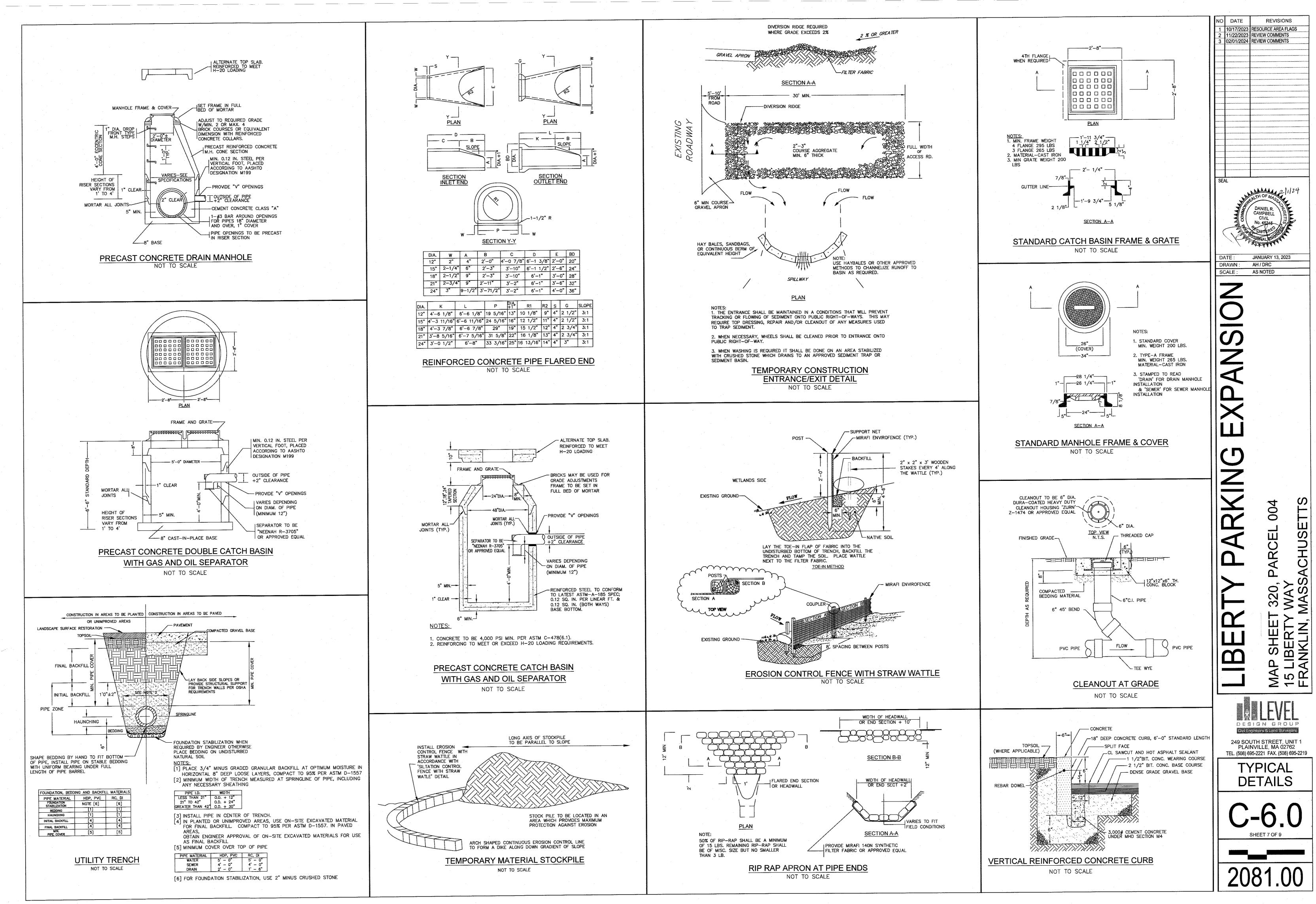
EXISTING

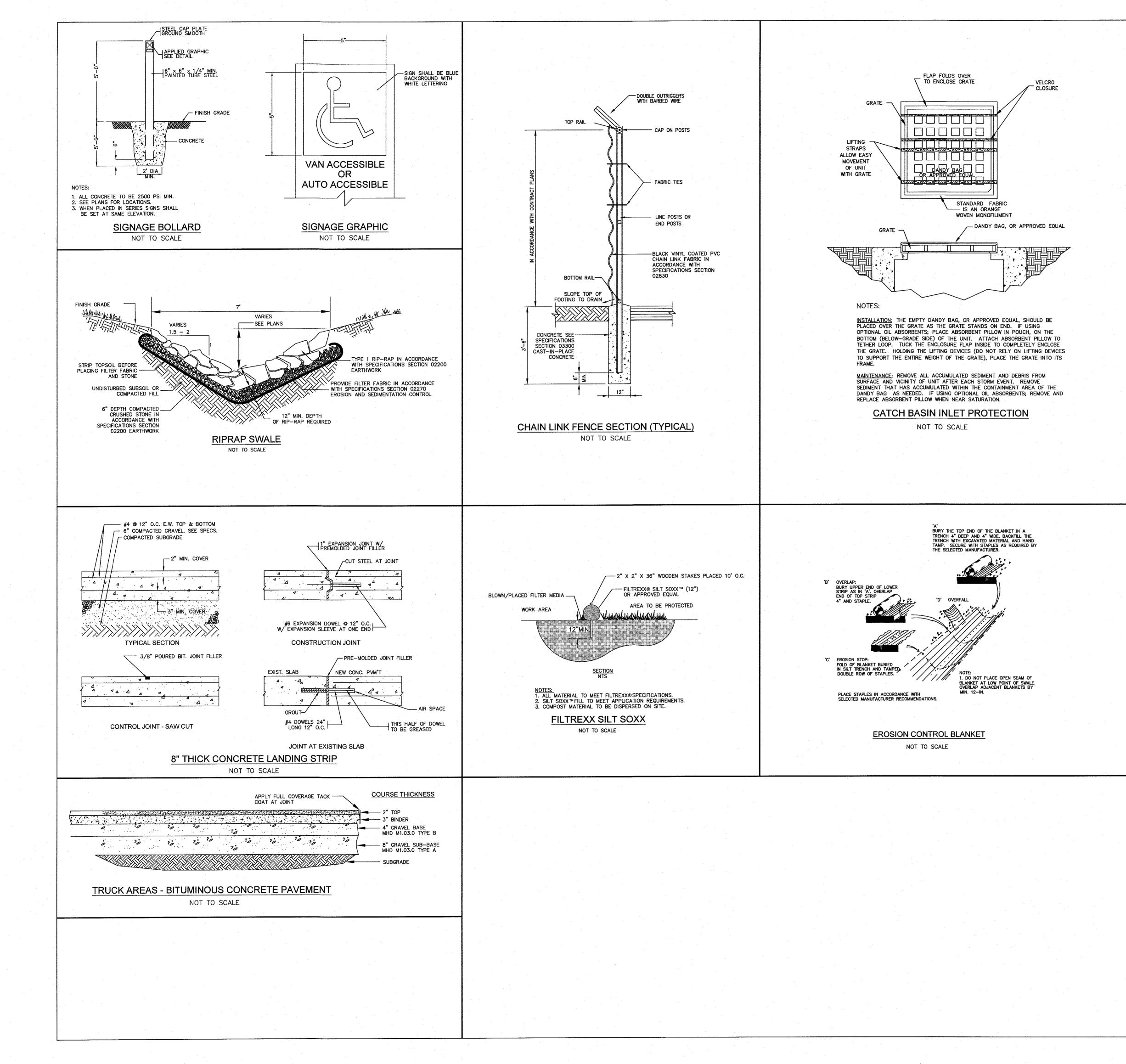
TREELINE ----

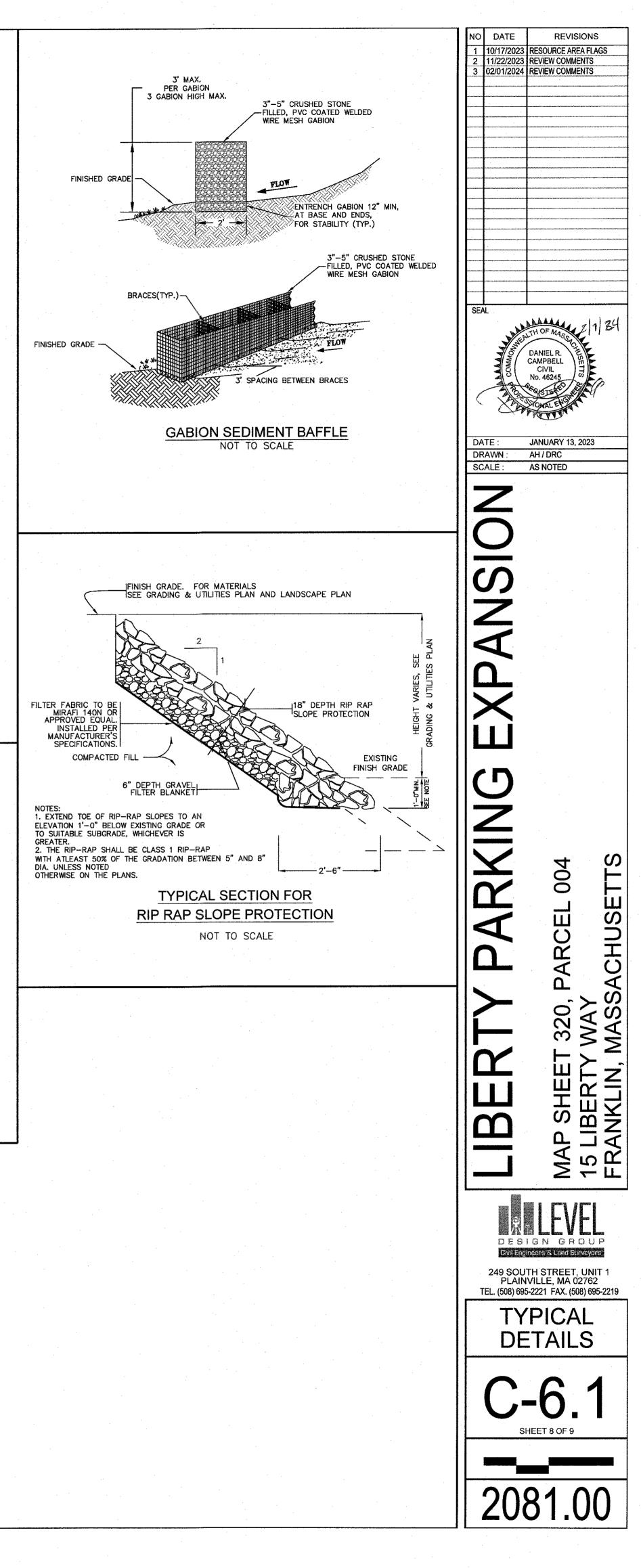
(TYP)

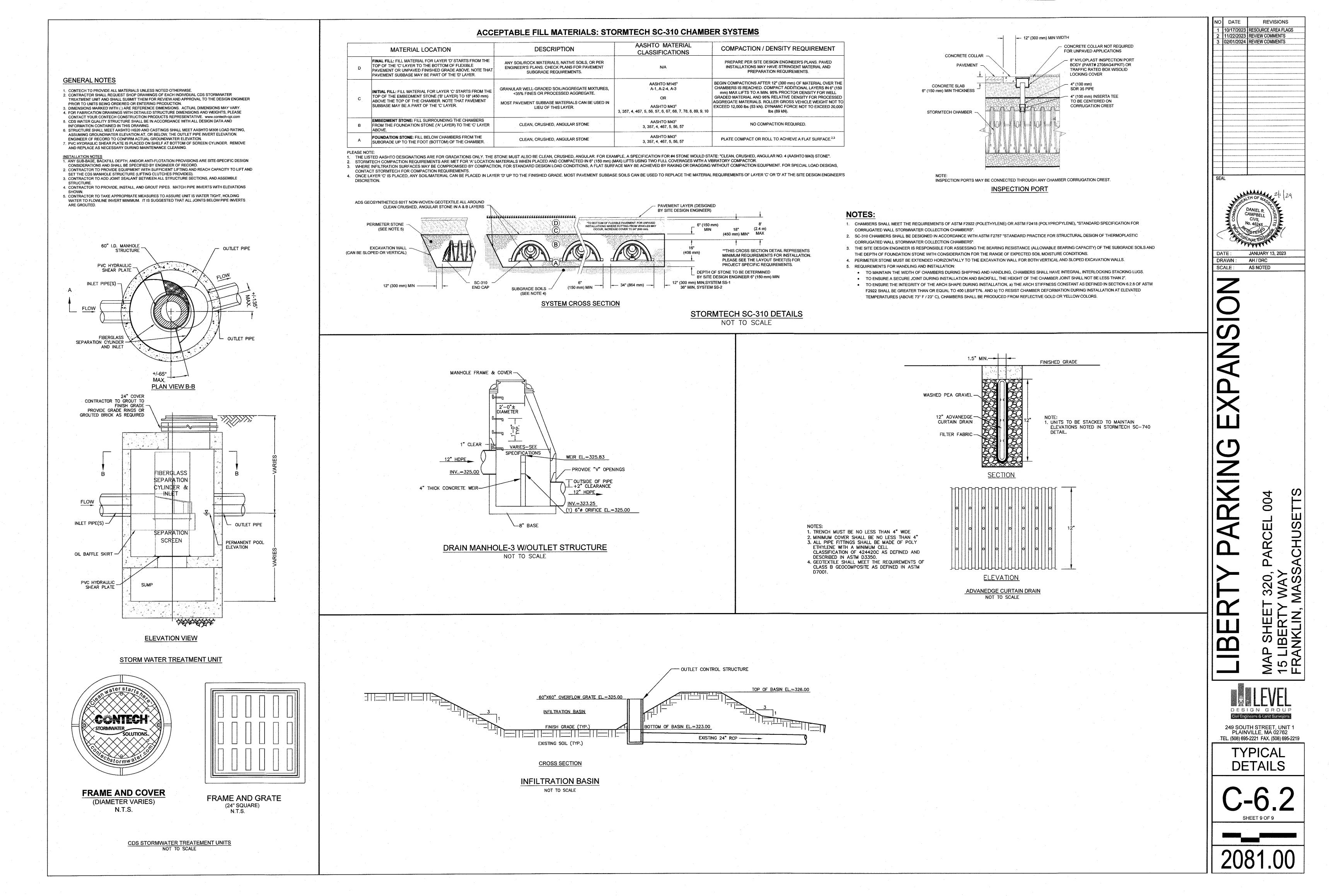
CHAINLINK H

INFILTRATION BASINS - ALL AREAS CONTAINING INFILTRATION BASINS (ABOVE OR BELOW GROUND) SHALL BE PROTECTED THROUGHOUT CONSTRUCTION. THESE AREAS BASINS ARE TO BE ROUGH GRADED AND PROTECTED UNTIL STABILIZED AND BROUGHT ON-LINE FOR STORMWATER MANAGEMENT OF THE STABILIZED SITE.



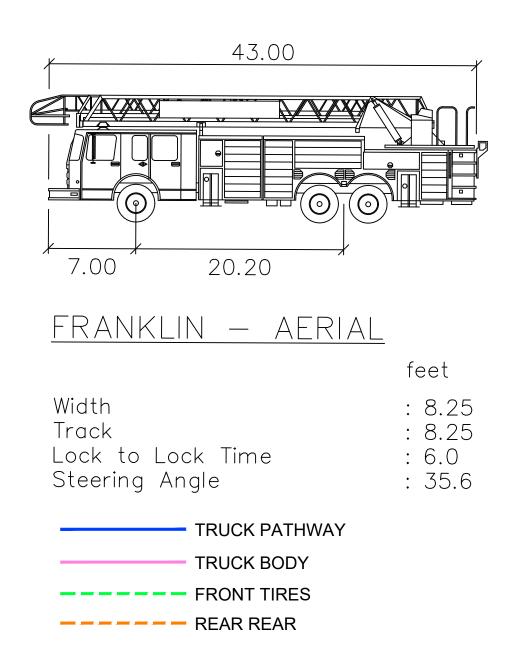


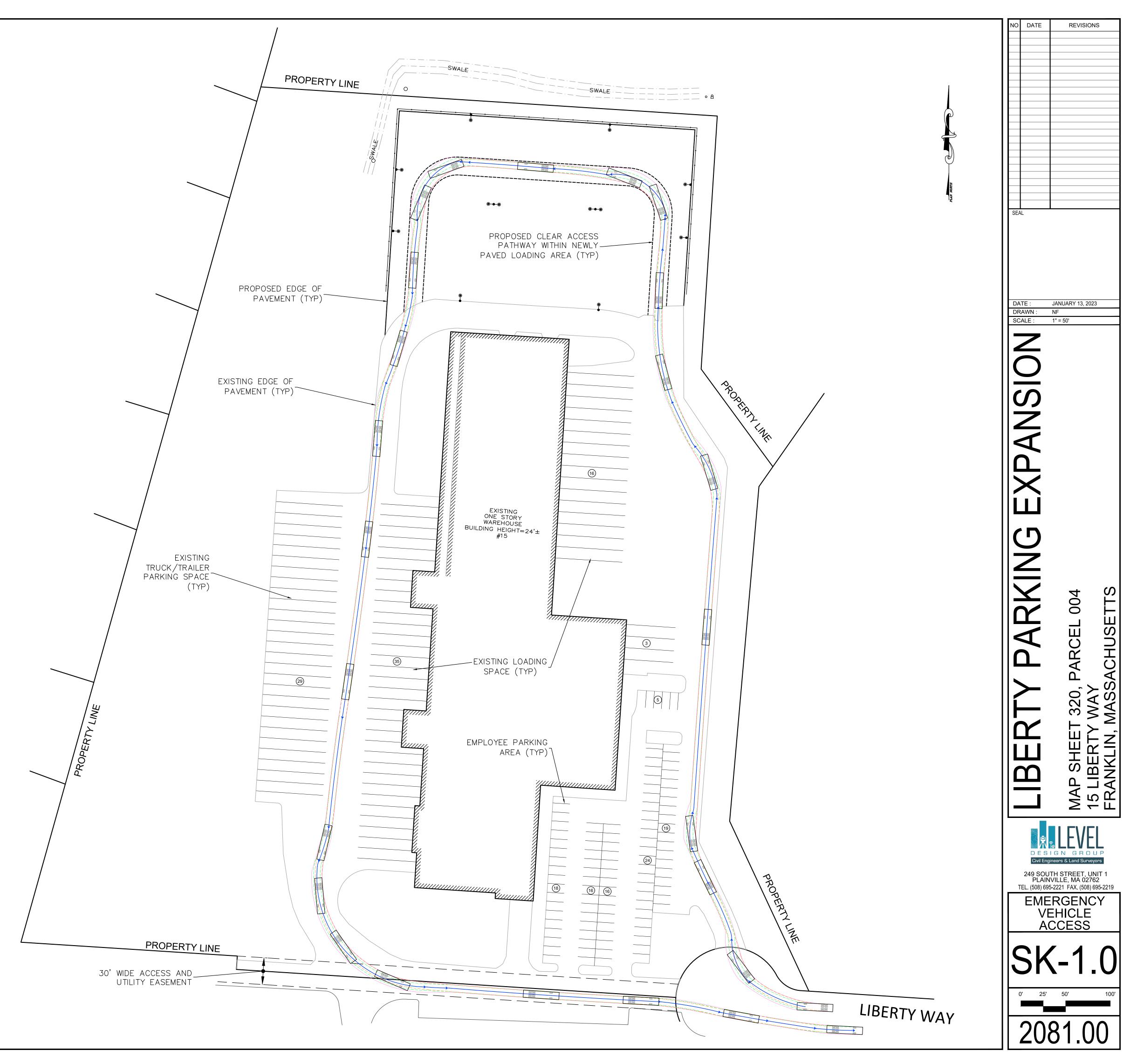




<u>Plan notes:</u>

1. EXISTING CONDITIONS WERE OBTAINED FROM FIELD SURVEY PREPARED BY LEVEL DESIGN GROUP, LLC BETWEEN NOVEMBER 2, 2022 AND NOVEMBER 16, 2022.





Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
TRAILER PARKING	Ж	4.69 fc	29.46 fc	0.05 f	: 589.2:1	93.8:1

Schedule									
Symbol	Label	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	Ш	Input Power
Ô	PI	8	PHILIPS GARDCO	ECF-L-80L-1A-NW-G2- BLC	EcoForm Area LED ECF - Large, 80 4000K CCT, TYPE BLC OPTIC,	LED' <b>š</b> ,	24081	1	261.0493
ĝ	P2	2	SIGNIFY GARDCO	ECF-L-80L-1A-NW-G2-4	EcoForm Area LED ECF - Large, 80 4000K CCT, TYPE 4 OPTIC, No Shie	LED' <b>s</b> , Id	33656	1	529.9496

ALL FIXTURES ARE SHOWN AT 18'-0" ABOVE FINISHED GRADE

NISHED GRADE	14000	K 001, 11							J																															
++	+	+ +	+	+	++	++	+	+	+	+	++_	+	+	+	++	+	+	+	+	++	+	+	+ +	· · · ·	+	+	++	+	++-	+	+	+	+	++	+	+	+ +	+	+ +	
0.00 0.0 + +	+	+ +	+	+	+ +	0.00 0. • •				+	+ +	.00 0.0	+	+	+ +	+	+	+	+ +	0.00 0. • •	+	+	+ +	0.00 0.C +	+	+ 4	+ +	+	0.00 C	+	+	+ +	+	+ +	. +	+	+ +	+	+ +	.00
0.00 0.0	0 0.00	0.00 (	0.00 0.00	0.00	0.00	0.00 0.				0.00	0.00 0.	.00 0.0	00.00	0.00	0.00 0	.00 0.0	) 0.0	0.00	0.00	0.00 0.	00 0.00	0.00	0.00	0.00 0.0			0.00 0.	00 0.00	0.00 0	.00 0.0	0 0.00	0.00 0.0	0 0.00							
0.00 0.0	0.00	0.00	0.00 0.00	0.00	0.00	0.00 0.	0.00 0.00	0.00	0.01	0.01	0.01	.00 0.0	0.0	0.01	0.01	).OI <sup>+</sup> O.C	0.0	0.01	0.01	0.01 0.	00 0.00	0.00	0.00	0.00 0.0	00.00	0.00	0.00 0.0	00 <sup>*</sup> 0.0l	<sup>-</sup> 0.01 <sup>-</sup> C	0.00 0.00	0.00	0.00 0.0	0 0.00	) _0.00 _	0.00 0.0	00,00 00	0.00 (	).00 0.00	0.00 0.0	.00
<sup>+</sup> 0.00 <sup>+</sup> 0.0	0.00 0	<sup>†</sup> 0.00 <sup>†</sup> (	0.00 00.00	0.00 €	<sup>+</sup> 0.00 <sup>+</sup>	°0.00 <sup>°</sup> 0.	0.00 <sup>↑</sup> 0.01	<sup>+</sup> 0.0I	<sup>+</sup> 0.01	<sup>+</sup> 0.0I	<sup>†</sup> 0.01 <sup>†</sup> 0.	.01 <sup>†</sup> 0.C	IO.O <sup>↑</sup> IC	<sup>+</sup> O.OI	<sup>†</sup> 0.01 <sup>†</sup> 0	).OI <sup>†</sup> O.C	N <sup>†</sup> O.OI	<sup>+</sup> 0.0I	<sup>+</sup> 0.01	0.01 ⁺0.	01 <sup>↑</sup> 0.01	<sup>+</sup> 0.00	<sup>+</sup> 0.00 <sup>+</sup>	<b>0.00</b> <sup>↑</sup> 0.C	IO.O <sup>↑</sup> IC	<sup>+</sup> 0.0I	<sup>+</sup> 0.0I <sup>+</sup> 0.ℓ	0.01 0.01	<sup>†</sup> 0.01 <sup>†</sup> C	0.01 <sup>↑</sup> 0.01	0.00	<sup>↑</sup> 0.00 <sup>↑</sup> 0.0	o <sup>†</sup> 0.00	) <sup>†</sup> 0.00 <sup>†</sup>	`0.00 <sup>†</sup> 0.0	00.00 00	) <sup>+</sup> 0.00 <sup>+</sup> (	0.00 <sup>↑</sup> 0.00	0 <sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
<sup>+</sup> 0.00 <sup>+</sup> 0.0	0.00 0	<sup>+</sup> 0.00 <sup>+</sup> (	0.00 €0.00	0.00 €	<sup>+</sup> 0.00 <sup>+</sup>	<b>0.00</b> <sup>↑</sup> 0.	0.01 <sup>↑</sup> 0.01	<sup>+</sup> O.OI	<sup>+</sup> 0.0I	<sup>+</sup> 0.0I	<sup>+</sup> 0.01 <sup>+</sup> 0.	OI STAP	KED EROSIO	DN CONTF	FILTRATION	0.01 <sup>†</sup> 0.C	), <sup>+</sup> 0.0	<sup>+</sup> 0.0I	<sup>+</sup> 0.0I	<sup>+</sup> 0.0I <sup>+</sup> 0.	0.01 0.01	<sup>+</sup> O.OI	<sup>+</sup> 0.01 <sup>+</sup> 0	0.0I <sup>†</sup> 0.C	IO.O <sup>↑</sup> IC	<sup>+</sup> 0.0I	<sup>+</sup> 0.01 <sup>+</sup> 0.9	0.01	<sup>+</sup> 0.01 <sup>+</sup> 0	0.01 <sup>↑</sup> 0.01	I <sup>↑</sup> O.OI	<sup>†</sup> 0.01 <sup>†</sup> 0.01	I <sup>↑</sup> 0.0I	<sup>+</sup> 0.0I <sup>+</sup>	0.00 0.0	00.00 00	0 <sup>+</sup> 0.00 <sup>+</sup> (	0.00 <sup>↑</sup> 0.00	, <sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
⁺0.00 <sup>+</sup> 0.0	o <sup>+</sup> 0.00	<sup>+</sup> 0.00 <sup>+</sup> (	0.00 <sup>+</sup> 0.00	0.00 €	<b>*0.00</b>	<sup>+</sup> 0.01 <sup>+</sup> 0.	0.0I <sup>+</sup> 0.0I	/ <sup>+</sup> 0.0I	0.01	<sup>+</sup> 0.0l	+ + 0.01 + 0.	ARE, O2 CON€ COM EENE	A TO <sub>+</sub> BE II <del>)2TRU (CLO2</del> ) PACTION. <u>I</u>	NSTALLED T <b>O,OB</b> E 	PRIOR TO (E <mark>0.01</mark> 0VER CONTROL	0.01 <sup>+</sup> 0.0	), <sup>+</sup> 0.0	<sup>+</sup> 0.0I	<sup>+</sup> 0.0I	<sup>+</sup> 0.0I <sup>+</sup> 0.	0.01 0.01	<sup>+</sup> 0.0I	<sup>+</sup> 0.01	0.01 +0.0	IO.O <sup>↑</sup> IC	<sup>+</sup> 0.0I	<sup>+</sup> 0.0I <sup>+</sup> 0.9	0.01	<sup>+</sup> 0.01 <sup>+</sup> 0	0.01 <sup>↑</sup> 0.01	I <sup>+</sup> O.OI	<sup>+</sup> 0.0I <sup>+</sup> 0.0I	I <sup>↑</sup> 0.0I	+ 0.0I +	0.01 0.0	OI <sup>↑</sup> 0.00	• <sup>+</sup> 0.00 <sup>+</sup> (	0.00 <sup>+</sup> 0.00	• <sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
<sup>+</sup> 0.00 <sup>+</sup> 0.0	0.00 0	<sup>+</sup> 0.00 <sup>+</sup> (	0.00 <sup>+</sup> 0.00	o <sup>+</sup> 0.00	<sup>+</sup> 0.00 <sup>+</sup>	<sup>+</sup> 0.01 <sup>+</sup> 0.			- 0.01	<sup>+</sup> 0.02	<sup>+</sup> 0.03 <sup>+</sup> 0	PAV	ER S¥STEM <b>D3</b> INTAL <b>O-01</b> 81 EMEN \$=0PE	FISONSTA VEN <mark>DAQ2</mark> GE	LED AN₽ R <b>AQQC</b> AN€ (TYP)	REMO¥ED 0.02 0.0	)2 0.02	+0.02	+0.02	<sup>+</sup> 0.02 <sup>+</sup> 0.	02 0.02 PROP	<b>0.0</b> OSED	<sup>+</sup> 0.01	0.0I <sup>+</sup> 0.C	O2 <sup>+</sup> O.O2	<sup>+</sup> 0.02	<sup>+</sup> 0.01 <sup>+</sup> 0.0	0.01 0.01	<sup>+</sup> 0.01 <sup>+</sup> 0	0.OI <sup>+</sup> 0.O2	2 <sup>†</sup> 0.OI	<sup>+</sup> 0.01 <sup>+</sup> 0.01	I <sup>+</sup> 0.0I	<sup>+</sup> O.OI <sup>+</sup>	0.0I <sup>+</sup> 0.0	OI <sup>+</sup> O.OI	<sup>+</sup> 0.00 <sup>+</sup> 0	0.00 <sup>+</sup> 0.00	<sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
<sup>+</sup> 0.00 <sup>+</sup> 0.0	0.00 0	<sup>+</sup> 0.00 <sup>+</sup> 0	0.00 <sup>+</sup> 0.00	0.00 €	<sup>+</sup> 0.01	°0.01 <sup>↑</sup> 0.	0.01 <sup>†</sup> 0.01	0.01	0.03	0.05		<u>060</u> C	0.04	+ 0.04	<sup>+</sup> 0.03 <sup>+</sup> 0	0.O3 <sup>↑</sup> O.C	03 <sup>↑</sup> 0.03	<sup>+</sup> 0.02	<sup>+</sup> 0.02	0.02 0.	02 0.02		+0.02	0.02 <sup>+</sup> 0.C	0.02	<sup>+</sup> 0.02	+0.02 +0.4	02 +0.02	<sup>+</sup> 0.02 <sup>+</sup> SH1		ç <sup>+</sup> 0.02	<sup>+</sup> 0.02 <sup>+</sup> 0.0	2 <sup>+</sup> 0.02	• • • • • • • • • • • • • • • • • • •	0.01 +0.0	0.01	<sup>+</sup> 0.01 <sup>+</sup> (	0.00 <sup>+</sup> 0.00	, <sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
<sup>+</sup> 0.00 <sup>+</sup> 0.0	o <sup>+</sup> 0.00	<sup>+</sup> 0.00 <sup>+</sup>	0.00 <sup>t</sup> 0.00	<b>)</b> <sup>↑</sup> 0.01	<sup>+</sup> 0.01	<sup>+</sup> 0.01 <sup>+</sup> 0.		+ 0.02	+ 0,1 0,1	+0.17	~				/	- 0000	₩₩₩₩ ₩ ₩ ₩ ₩	<u>0.03</u>	0.03	0.03 0.0.	030.03	to.031	+ .03	0.0300	<u>3 + 0.03</u>	+ 0.03	<sup>+</sup> 0.03 <sup>+</sup> 0.0	03 <sup>+</sup> 0.03	<sup>+</sup> 0.03 <sup>+</sup> 0	S=0 <sub>+</sub> 080	4 \ <sup>+</sup> 0.05	<sup>+</sup> 0.05 <sup>+</sup> 0.04	4 <sup>+</sup> 0.03	• <sup>+</sup> 0.02 <sup>+</sup>	0.0I <sup>+</sup> 0.0	OI <sup>†</sup> 0.OI	<sup>+</sup> 0.01	0.00 <sup>+</sup> 0.00	<sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
<sup>+</sup> 0.00 <sup>+</sup> 0.0	o <sup>+</sup> 0.00	<sup>+</sup> 0.00 <sup>+</sup>	0.00 <sup>+</sup> 0.00	) <sup>+</sup> 0.01	<sup>+</sup> 0.01	<sup>+</sup> 0.01 <sup>+</sup> 0.	0.01 j <sup>+</sup> 0.02	2 0.05	0.470.5	*0.74 1	8.1 <sup>*</sup> OI.1	37 <sup>*</sup> 3.IC	o) ∕*5.08 <sup>5</sup>			2 17	+ 0.76		01 1	+ <del>0.05</del> . +0.05	0.05	0.05	+ 0.050.1	0.07 0.0	)60,1 <u>0.06</u> ,	050070.		07 <u>0,1 0.06</u>		1.05 0.0	0.1	0.10 0.1 0.10	0.08	hui 0.03 (	0.01 0.0	Øn <sup>†</sup> 0.01	<sup>+</sup> 0.01 <sup>+</sup> (	).OI <sup>↑</sup> 0.OO	<sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
<sup>+</sup> 0.00 <sup>+</sup> 0.0	0.00	<sup>+</sup> 0.00 <sup>+</sup>	0.00 €0.00	o.o <sup>↑</sup>	+ 0.01	<sup>†</sup> 0.01 <sup>†</sup> 0.	.07 0.04	4	* I.27	* I.80	*2.34 *3.3	27 55.22	2 *8.87		K)	*8.9	5 4 4.69	*2.39	0.5 *2	*0.41 0 25*0.	15 <sup>*</sup> 0.12	0.1 *0.20 <sup>0.2</sup>	0.44	1.04 *2.0	08 *3.29	*4.25	0.5 2.02	74 0.68	) <u>5+</u> +	0.25	018,25	+ + 0.1 0.27 - 0.3	25 0.24	+0.05 +	0.0  { <sup>+</sup> 0.0	OI <sup>+</sup> O.OI	<sup>+</sup> 0.0I <sup>+</sup> 0	).OI <sup>↑</sup> 0.OO	<sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
<sup>+</sup> 0.00 <sup>+</sup> 0.0	0.00	<sup>+</sup> 0.00 <sup>+</sup>	. <mark></mark> ^0.01	PR <sup>↑</sup> 0.01	OPOSED 12 ILT+ SOXX (+ O.OI	2"DIA TYP) <b>0.01</b>	Ď2/ <sup>†</sup> Ø0¢	*0.87	* 2.55	*3.08	* 3.29 * 3.0	67 4.8	8 6.72	* <b>Ю</b> 8.47	* 9.20 E	<b>0</b> * .88 7.01	5 4.76	*2.84	* 1.44    *	*0.6@.5 *0.	30 0.24	*0.45	*.04 *:	2.12 <sup>*</sup> 3.8 <sup>!</sup>	· * 6.73	* <b>10</b> 11.62 *	<b>V PF2</b>	<b>10</b> 93 12/1	5 <sub>*</sub> 6.48 *3	.34 <sup>*</sup> 1.68			0.5 8		0.02	QI <sup>†</sup> 0.OI	<sup>+</sup> 0.0I <sup>+</sup> (	).OI <sup>↑</sup> 0.OO	, <sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
⁺0.00 <sup>+</sup> 0.0	o <sup>+</sup> 0.00	<sup>+</sup> 0.00 <sup>+</sup>	. <b></b> , 0.01	<sup>+</sup> O.OI	+ 0.01 +		0,03 0,0	5 *1 <del>27_</del>	* 4.65	*4.59	*4.09 *3.	41 3.77	7 4.79	* 5.26	* <u>5.40</u> *5	57 5 4.9	7 *3.73	*2.39	* .31 / *	*O.65 *O.	38 <sup>*</sup> 0. <i>3</i> 7	0:5 0.59	* *	2.32 *3.95	5 5 5.81	* <b>Ю</b> * 7.84	*9.40 9.7	<b>10</b> * 8.39	* 5 *	.83 *2.23	*1.64	* * * 1.84 * 2.01	*1.59	+	0.03 } <sup>+</sup> 0.0	¢2 <sup>+</sup> 0.0I	<sup>+</sup> 0.0I <sup>+</sup> (	).OI <sup>+</sup> 0.OI	<sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
⁺0,00 <sup>+</sup> 0,0	o <sup>+</sup> 0.00	<sup>+</sup> 0.00 <sup>+</sup>	000 1000	D.O <sup>+</sup>	<sup>+</sup> 0.01	0.02	0.04 0.08	* 4.46	5	5	* 4.6 * 28			0	1	-			*	, , , , , , , , , , , , , , , , , , ,	).5 57 <sup>*</sup> 0.56	* 0.7	* *	l.91 <sup>*</sup> 3.21	*4.50	* *	* * -5.45 5.7	72 *5.61	*4.65 *3	.24 *2.04	4 <sup>*</sup> 2.35	* * * 3.60	) *3.07			02 +0.01	<sup>+</sup> 0.01 <sup>+</sup> 0	).OI <sup>+</sup> O.OI	<sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
*000 *00	0, *0,00	<sup>+</sup> 000 <sup>+</sup> 0		<sup>+</sup> ∩.01	PRÓPOSED CHAINLINK + FENCE				* 10 * 1250	*755	* 495 * 31		° * 53	* 192	* * *	53 227	7 <sup>*</sup> 136	* 165	* *	* *  133 IIC		*	* *	162 <sup>*</sup> 233			5 *388 *42				* 336				E					
				CED.						* 709	* 495 * 2		* 76	* 2 17	* *	20 <sup>*</sup> 212,	7 294	* 210	* * *	* * 2 / 7 2 /		* 170	* *	220 ×260	a *202	* * *	* * *				* 416	5	$\setminus$		ξ					
						$\mathcal{A}$ $\mathcal{B}$ $\mathbb{I}$		<b>PH5</b>		°	*			* 210	*	5 *5	*	3.17	* *	× ×	×	*0 47	* 70 *	2.07 2.00	5 2.72 No *4.07	* *	*						~ \_		ξ					
					/	/ B i		0	13.19	/.p2 *	4.97 D.	19 10 <del>4</del>		* 200	4. <i>28</i> 5				4.33	5.0∪ 2.0 * *	ol 2.40	2.47 *	× ×	3.41 4.0	5 *	<del>4.24</del> 5	4.05 5.0				5		< 🗖		Ę					
						0.02 β φ. β Ι		9.49	KQ.18	*	*5 *	98 2.0	5   2.73	3.89	5.74 7		C/D	ÌQ	$\backslash$	\				4.49 5.81 5 *			6.86 5.4	$\sim$				RIP RA	AP		Ę					
						0.02 KO	03 02	5 <sup>643</sup>	8.26	7.16	4.98 2.4	44 2.13	3.05	4551	7.44 10 11.					0,00		010-1		5.70 8.4	IO I		10.99 7.9				5									
				0.01	0.01	0.02 0		6.46	8.12	7.08	4.72 2.1	7 2.2	3.17	4.92	<sup>−</sup> 8.26 <sup>−</sup> 13	.41 <sup>2</sup> 1.9	2 <b>422</b>	<sup>–</sup> 12.63	9.13 °	5.625 <sup>°</sup> 4.1	3 3.92	<sup>~</sup> 3.88	~4. <u>5</u> 5 ~			25 <sup>°</sup> 29'31 <b>1</b> 7 <b>1</b> 7							2 <sup>9.13</sup>		ξ					
<sup>*</sup> 0.00 <sup>*</sup> 0.0	0.00	0.09TING DETENTION BASIN	0.01 <sup>™</sup> 0.01	<sup>+</sup> 0.0I	<sup>+</sup> 0.01 ×	•0.02 <sup>+</sup> 0.		5 /9.70	9.46	7.05	4.77 *2.	38 2.12	3.04		*7.25 <b>X</b> *II.	32 *17.91	3 <sup>*</sup> 18.68	*12,40 10	8.08	\$.2  *4.0	OO <sup>*</sup> 3.83	*3.81	*4.5I *	, í		*				5	5		5 7.5	<b>100</b> 00	È					
<sup>+</sup> 0.00 <sup>+</sup> 0.0	0.00 0	<sup>+</sup> 0.00 <sup>+</sup> (	10.0 <sup>+</sup> 10.0	10.0	<sup>+</sup> 0.02 <sup>+</sup>	0.03 \0		16.22	<b>1</b> 1.24	6.95	* * 4.6 * 2.	3 1.95			*5.58 *7 5	47 <b>*</b> #02 10	4 10.44	· <sup>*</sup> 8.10	*6.10 5*	*4.36 *3.5	56 *3.44	*3.49	*4.07 5	5.73 <sup>*</sup> 8.3 <sup>-</sup>	0		Ю								0.04	02 <sup>+</sup> 0.01	<sup>+</sup> O.OI <sup>+</sup> (	).OI <sup>↑</sup> 0.OO	, <sup>†</sup> 0.00 <sup>†</sup> 0.0	.00
								סאר <b>PI-6</b> -63	<b>II.38</b>	* 6.44	* 4.17 2.	23 1.52																												
<sup>+</sup> 0.00 <sup>+</sup> 0.0	o <sup>+</sup> 0.00	<b>•</b> 0.00 • (		<sup>+</sup> 0.0I		<sup>+</sup> 0.03 <sup>+</sup> 0.	0.06	<b>10</b> * 15.66	10.06	* 6.02	*393 *17	2 *13	*1.63	*2.20	*2.64 *3	.06 *2.73	3 *3.23	*3.34	* 3.II	*2.65 *2.2	21 *2.04	*2.20	*2.65	3.28 *3.80	60 <sup>*</sup> 4.17	*54.41	*4.36 *3.9	97 *3.27	*2.47 *2	O2 <sup>*</sup> 3.97	*5.57	*9,04 *15.83	3 <b>10 1 1</b>	+ <b>0.1</b>	0.03 <sup>+</sup> 0.0	O2 <sup>↑</sup> O.OI	<sup>+</sup> 0.0I <sup>+</sup> (	).OI <sup>↑</sup> 0.OO	, <sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
<sup>+</sup> 0.00 <sup>+</sup> 0.0	0.00 0	<b>*0.00 *</b> (	0.01	<sup>+</sup> 0.0		H X II		<b>N</b>					1																		1	<b> </b>			KII					
						, 0.03 0.	0. 0. 0. 0. 0. 0. 0. 0. 1. 48	*5.03	* 55.16	*4.24	*2.63 *I.2	7 <b>I.34</b>	1.56	* I.65	* *	.99 *0.5	8 <sup>*</sup> 0.63	* 0.79	*0.77	* I * 0.75 0.	75 <sup>*</sup> 0.7C	*0.70	*1 *	0.92	* 0.7l	* 0.79 *	* <b>1.24</b> * <b>1.2</b> 8	B TEMPOR	PROPOSED AR 105 TONEL	05 <sup>*</sup> 2.55	* 4.47	*6.06 *7.27		0.1 Ø.06	0.03 <sup>+</sup> 0.0	O2 <sup>†</sup> O.OI	<sup>+</sup> O.OI <sup>+</sup> (	).0I <b>*0.00</b>	<sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
⁺0.00 <sup>+</sup> 0.0	0.00 0	<sup>+</sup> 0.00 <sup>+</sup> (	<b>0.0</b> 0   <sup>+</sup> 0.01		+0.01 +	<sup>+</sup> 0.02 / <sup>+</sup> 0.	0,25	*2.86	*3.40	*3.22	* 2.64 * 2.8	84 3,60	6 *3.96	* 3.76	*3.63 *3	.II <sup>*</sup> I.85	* <b>D.</b> 96	*0.61	*0.46	* 0.5 0.38    0.	* 0.5 37 0.42	0.47	*0.60 *	0.74 10.9	99 <sup>*</sup> 1.19	* 1.29	*1.20 0.9	<b>94</b> 0.76	entrance 0.53 Ropol		3.14	5 *4.00 *3.91	*	+ 0.04 +	О.Øв <sup>+</sup> О.0	02 <sup>+</sup> 0.0I	<sup>+</sup> 0.0I <sup>+</sup> (	).OI <sup>↑</sup> 0.OO	, <sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
						/		· \										\			/								RADA	KKOKOLO	X			R	2					
					W /						1		05 <b>* 10</b> .44	* IO.56	* <b>9</b> .26 *6	.88 *4.6	7 <b>2.83</b> BE	REMOVE	E EXISTING	0.31 0.23	24 *0.44	0.97	* *	3.38 *4.78	*5 8 5.69	* * 5.78	* 5 * 5.49 5.1	*4.18	* 2.73		* 1.06	* <u>114  </u> *0,90	0.5	<sup>↓</sup> 0.03	0.φ2 <sup>+</sup> 0.¢	0.01	<sup>+</sup> 0.0I <sup>+</sup> (	).OI <sup>↑</sup> 0.OO	, <sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
<sup>+</sup> 0.00 <sup>+</sup> 0.0	0.00	<sup>+</sup> 0.00 <sup>+</sup>	. <b></b> , ^0.01	<sup>+</sup> 0.0I	+0.01 +	0.01 <sup>+</sup> 0.		*025	0.39	*0.92	* *4.	54 9.4	3 16.48	<b>^</b> *18.08	*14.46 *8	.37 4.69	9 <sup>*</sup> 2.60	™ 130	*0.55	Q23 O.	19 <sub>0,25</sub> 040	0 103	* *	4.01 <sup>5</sup> *6.43	3 *9.010	*10.20	* <b>9.5</b> 8 *7.6	59 <b>*</b> 5. <b>5</b> 3	*		*0.66	0 <u>3</u> 51 *0.31	0.1	+0,02 +	0.01 +0.0	OI <sup>+</sup> O.OI	<sup>+</sup> 0.01	0.00 ⁺0.00	<sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
<sup>+</sup> 0.00 <sup>+</sup> 0.0	0 <sup>+</sup> 0.00	<sup>+</sup> 0.00 <sup>+</sup>	0.00 0.00	<b>२</b> <sup>↑</sup> Ø.OI	<sup>+</sup> 0.01	<sup>+</sup> 0.01 <sup>+</sup> 0.		+ 0,I 3 0.06	÷0.08	0.25 0.	0.14 <sup>t</sup> 0	E4 0/5 0.15	5 002.23	<b>P-3</b> b.5 0.32		27 <sup>1</sup> .94	+1.20	0.49	0.25	<b>0:10</b>			<u>**</u> 1.57	3.37 × ±*	<del>9 × 1922 ·</del>		* * 0	5 91	*		*0.42	*8:32 0,10		€ 0.02 +	.0.0 <sup>+</sup> 0.0	OI <sup>†</sup> 0.OI	<sup>+</sup> 0.01 <b>+</b>	).00 <sup>+</sup> 0.00	, <sup>+</sup> 0.00 <sup>+</sup> 0.0	.00
⁺0.00 <sup>+</sup> 0.0	0.00	<sup>+</sup> 0.00 <sup>+</sup>	0.00 <sup>+</sup> 0.00	o.01	+ 0.01	, • • • •	.ĎI <sup>+</sup> 0.O2	2 <sup>↑</sup> 0.03	<sup>+</sup> 0.04	<sup>+</sup> 0.04 <sub>⊂</sub>		0.1 04 <sup>+</sup> 0.0	+ 0.1 04 0,04	<sup>+</sup> 0.05	0.25 0.5	0.05 <sup>0.125</sup> 0	0.5 04 0.04	0.25 0.03	<sup>+</sup> 0.03	<sup>+</sup> 0.03 <sup>+</sup> 0.	03 0.03	0.25 + 0.04 0.		5 0920 0.2		П	0		K YRYOM	OP AD YK	0.5			C						
						M	Î			INLET	PROTECTION	ч_/	$\backslash$																		0,			2						
<sup>+</sup> 0.00 <sup>+</sup> 0.0	o <sup>+</sup> 0.00	, • • •	TYP)	o_ <b>^0.00</b>	10.00 <sup>+</sup>	, O.OI O		<sup>+</sup> O.OI	<sup>+</sup> O.Ol	<sup>+</sup> 0.0l	<sup>+</sup> 0.01 <sup>+</sup> 0.	.01 0.0	02 0.02	+0.02	<sup>+</sup> 0.01 <sup>+</sup> 0	.OI 0.C	), <u>+</u> 0.01	<sup>+</sup> 0.0I	+ 0 <del>.0 </del>	, _0.0  <sup>+</sup> 0.	OI <sup>↑</sup> 0.OI	<sup>+</sup> 0.02	<sup>+</sup> 0.02 <sup>+</sup>	0.02 <sup>+</sup> 0.0	0.02	<sup>+</sup> 0.02	<sup>+</sup> 0.02 <sup>+</sup> 0.0	02 +0.02	<sup>+</sup> 0.02 <sup>+</sup> 0	0.02 <sup>+</sup> 0.02	2 0.02	<sup>+</sup> 0.02 <sup>+</sup> 0.0	} المرفقة الارمانية	+ 0.0I +	0.0I <sup>+</sup> 0.0	OI <sup>+</sup> O.OI	<sup>+</sup> 0.00 <sup>+</sup> 0		, <sup>†</sup> 0.00 <sup>†</sup> 0.0	.00
			F	XISTING		   	×												/			/	/										ξ							
				(111)							+001 +0			+	+			+	+	±							+ - - - - - - - - - - - - -													
												··· ····		+	+ + - - - - - - - - - - - - - - - - - -		21 U.U.	0.0I	+			0.01	0.01		0.01	0.01	* *													
0.00 0.0	0.00	0.00 (	0.00 0.00	0.00	0.00	0.00 0.	0.00	0.00	0.00	0.00	0.00 0.	.00 0.0	00.00	0.00	0.00 0	0.00 0.0	0.00	0.00	0.00	0.00 0.	00 0.00	0.00	0.00	0.00 0.0	00.00	0.00	0.00 0.	00 0.00	0.00 C	.00 0.00	0 0.00	0.00 0.0	0 0.00	) 0.00 <sup>.</sup>	0.00 0.0	00 0.00	0.00 (	).00 0.00	0.00 0.0	.00

VINCENT A. DIIORIO, INC. CONSULTING ENGINEERS 89 Access Rd. Suite 18 Ńorwood, MA 02062 (781)255-9754 | vadjr@vadeng.com www.vadeng.com **REVISIONS:** REV.: DATE: DESCRIPTION: CLIENT: LEVEL DESIGN GROUP 249 SOUTH ST., UNIT 1 PLAINVILLE, MA 02762 PROJECT: LIBERTY PARKING EXPANSION 15 LIBERTY WAY FRANKLIN, MA DRAWING TITLE PHOTOMETRIC SITE LIGHTING DRAWN: CHECKED: SCALE: DATE: CDO VAD Jr 1" = 20'-0" 3/13/23

PH1.1



by §ignify

Site & Area

EcoForm

Gardco EcoForm Gen-2 combines economy with performance in an LED area luminaire. Capable of delivering up to 52,500 lumens or more in a compact, low profile LED luminaire, EcoForm offers a new level of customer value. EcoForm features an innovative retrofit arm kit, simplifying site conversions to LED by eliminating the need to drill additional holes in most existing poles. Integral control systems available for further energy savings. Includes Service Tag, our innovative way to provide assistance throughout the life of the product.

Project:	
Location:	
Cat.No:	
Туре:	
Lamps:	Qty:
Notes:	

🥮 🛄 🖤 🕲 s

	>				exa	nple: EC	F-L-96L-1A-	-CW-AR-AFI	R-90-120	DD-PCB-	F1-SP1	-TB-Rf	PA-HIS-E
Profix E <b>CF-L</b>	Number of LEDs	Drive Current	LED Color - Go	neration	Mounting	D	istribution					Voltage	
iCF-L EcoForm site and area, large	SOL SO LEDa (5 modulea) 98L 95 LEDa (8 modulea)	1.2A 1200	mA 30 mA 94 NW-92 No 1A 40 mA 90-92 00 mA 50	arm White DOOK, 70 CRI eneration 2 sutral White orderation 2 bol White Dool White operation 2	AR <sup>a</sup> Arm M. (stand) The following mounting kits must be orde separately (S accessories) SP <sup>3</sup> Gilp Fit Mount (fits to O.D. te WS Wail m. with au condui rear er permit RAM <sup>4</sup> Retrof	ard) 2 2- 2- 2- 2- 2- 2- 2- 3- 3- 3- 3- 3- 3- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2-	-90 Rotatac -270 Rotatac ype 3 -90 Rotat -270 Rotat ype 4 -90 Rotat -270 Rotat -270 Rotat ype 5 Type 1	ed left 90° ed right 270° 4 ed left 90° ed right 270° 5	AFR-270 BLC BLO-90 BLO-270	Auto Front Auto Front Rotated rig Back Light I Book Light I rotated at ( rotated at (	Row, t 90° Row, ht 270° Control Control 20° Control	120 208 240 277 347 480 UNV	120V 208V 240V 277V 347V 480V 120-27 (50/80) 347-48 (50/80)
(for cont DCC4.5.13 Dual Circ FAWS43.14 Field Adj LCC4.6.773 Integral J BL 14.779 Bi-level 1 SRDR4.5.6.417 SR driver DynaDimmer: Automat CS504-8 Safety 50 DMS04.3 Median 8 CB304.3 Bafety 50	ternal dimming rols by othera) ult Control ustable Wattage Selex wirelezs module unotionelity oconnected to Zhaga connected to Zhaga <u>the Profile Dimming</u> 2% Dimming, 7 hours 0% Dimming, 7 hours 0% Dimming, 8 hours	IMRI IMRI IMRI	nsensing lens t <sup>15</sup> Integral with #S lens <sup>173</sup> Integral with #7 lens	Photo-servin PCB1-3 TLR05%47 TLR07%47 TLRP0%50,4,1	Photocontrol Button Twist Look Receptacle 5 Pin Twist Look Receptacle 7 Pin 7 Twist Look Receptacle w/Photocell	F2° Do Pole Mou FP1° Sin FP2° Do FP3° Ca (2) Surge Pr	ngle (120, 277, puble (208, 24 unt Fuaing ngle (120, 277, puble (208, 24 anadian Doubl 08, 240, 480y rotaation (10k) pressed 20kA	0, 480VAC) , 347VAC) 0, 480VAC) e Pull (AC) A standard)	included in product TB <sup>12</sup> Terr RPA <sup>18</sup> Rou Ada (fits O.D. HIS <sup>14</sup> Inte	ble Adapter nistandard ninal Block nd Pole ptar ito 3"- 3.9" pole) sole) sole)	Ficish Texture BK WH BZ DGY MGY <u>Custon</u> RAL CC	Black White Bronze Dark G Mediur er spec Specify color c (ex: RA Custon (Must s chip fo	ray n Gray I <mark>fied</mark> y options r RAL L7024)
voltage is HVU (347 Mounts to a 4" roun aquare poles. L'inited to a maximu	d pole with adapter (nol m of 45 degress aiming ther dimming control of otion sensor. hotocontrol. on sensor lens. or 480V	uded for above horizont	when or FAW8 or 11. Not avai al. 12. Not avai 18. Not avai finish st 14. HIS not 15. Not avai 18. Not avai sontrol	dered with an LLC. lable in 480V. lable with DCC lable with 8F s andard. evaluable with 0D, lable with DD, optiona.	IPC receptable p y of the Dimming Crider photocell 3. and W8, RPAs pro Type 5, 5W, BLO, DCC, and FAWS o DOC, FAWS and L controller (by ot	controls D separately vided with BLC-90, o limming oc LC dimmin	DD or y with TLRDS/7, a black or BLC-270, ontrol options, %	details). ( recepted TLRDS or 18. 0-10V dim 19. 120V or 2	Consult fac le are sonn TLRPC. Iming drive 77V only, na	ompatible (és story for lead eoted to 8R r r standard. ot available wi or limitations)	time. All Iriver. SR ith SRDR (	7 pina in DR not a	NEMA vailable w

# ECF-L EcoForm large

### Area luminaire

3000K LED Wattage and Lumen Values

ECF-L\_EcoForm\_area\_large 04/22 page1of9

 
 Average
 Average
 Average
 Type 2
 Type 3
 EType 3
 EType 4
 Type 5
 Type 5
 Type 5

 Ordering Code
 Total
 Color
 System
 BUG
 Effloagy
 Lumen
 BUG
 Effloagy
 LUPW)
 Output
 Rating
 CIPW)
 Output
 Rating</td ECF-L-SOL-SOC-WW-G2-x E0 900 3000 225 28,308 83-U9-G3 128 27,334 53-U9-G4 124 28,348 83-U9-G4 126 29,158 53-U9-G4 130 28,844 85-U0-G4 123 ECF-L-80L-1A-WW-G2-x 80 1050 3000 265 31,927 B4-U0-G4 120 31,396 B3-U0-G4 118 31,974 B3-U0-G5 121 32,884 B5-U0-G4 124 32,534 B5-U0-G4 123 E0F-L-90L-1.2A-WW-02-x 80 1200 \$000 289 35,217 84-U9-34 122 34,830 83-U9-95 120 35,289 83-U9-95 122 38,272 85-U9-94 125 35,858 85-U9-94 124 ECF-L-96L-800-WW-G2-x 96 800 3000 238 30,570 B4-U0-G4 129 30,011 B3-U0-G4 126 30,617 B3-U0-G5 129 31,487 B5-U0-G4 132 31,151 B5-U0-G4 131 ECF-L-99L-1A-WW-62-x 96 1050 5000 \$18 58,058 B4-U0-34 120 37,428 53-U0-68 118 38,118 B3-U0-68 120 39,200 53-U0-34 124 38,788 B5-U0-65 123 ECF-L-96L-1.2A-WW-G2-x 96 1200 3000 365 41.398 B4-U0-G4 113 40,709 B4-U0-G5 112 41.460 B3-U0-G5 114 42.640 B5-U0-G4 117 42.186 B5-U0-G5 116 ECP-L-96L-1.4A-WW-32-x 96 1370 8000 422 44,566 84-U0-34 108 48,172 84-U0-95 109 45,613 84-U0-35 108 46,848 85-U0-35 111 45,580 85-U0-35 108 
 Drdering Oode
 LED
 LED
 Average
 Type AFR
 BLO
 BLO

 Ordering Oode
 LED
 (mA)
 Temp.
 Watte
 Output
 Reting
 (LPW)
 Output
 Rating
 (LPW)
 EGF-L-80L-900-WW-92-x 80 900 5000 225 29,085 84-U0-93 129 19,749 81-U0-93 89 ECF-L-80L-1A-WW-G2-x 80 1050 3000 265 32.784 B4-U0-G3 124 22.276 B1-U0-G4 85 ECP-L-80L-1.2A-WW-62-x 80 1200 3000 289 38.162 84-U0-33 125 24,572 81-U0-64 86 ECF-L-96L-800-WW-G2-x 96 800 3000 238 31,391 B4-U0-G3 132 21,294 B1-U0-G4 91 ECF-L-96L-1A-WW-G2-x 98 1050 3000 816 39,030 84-U0-34 124 26,554 61-U0-64 86 ECF-L-96L-1.2A-WW-G2-x 96 1200 3000 365 42,509 B4-U0-G4 116 28,885 B1-U0-G4 80 EGF-L-98L-1.4A-WW-02-x 08 1370 3000 422 49,542 84-U0-04 115 38,322 51-U0-05 86

### 4000K LED Wattage and Lumen Values

		LEĎ		Average		Type 2			Туре 3			Туре 4			Type 5			Type 5W	
Ordering Code	Total LEDs	Current (mA)	Color Temp.	System Watts	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Öutput	BUG Reting	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LIPW)	Lumen Output	BUG Rating	Efficacy (LPW)
ECP-L-80L-900-NW-G2-x	80	900	4000	225	29,796	BS-U0-G3	132	29,299	B3-U0-G4	130	29,840	83-U0-G5	135	30,689	85-U0-G4	136	30,962	85-U0-G4	155
ECF-L-80L-1A-NW-G2-x	80	1050	4000	265	33,607	B4-U0-G4	127	33,048	B3-U0-G5	125	33,657	B3-U0-G5	127	34,615	B5-U0-G4	131	34,246	B5-U0-G4	129
ECF-L-SOL-1.2A-NW-G2-x	80	1200	4000	239	87,070	84-U0-G4	128	38,453	B3-U0-G5	126	87,125	83-U0-G5	128	88,181	Bā-U0-G4	132	87,775	85-U0-G4	181
ECF-L-96L-800-NW-G2-x	96	800	4000	238	32,179	B4-U0-G4	135	31,590	B3-U0-G4	133	32,228	B3-U0-G5	136	33,144	B5-U0-G4	139	32,791	B5-U0-G4	138
ECF-L-96L-1A-NW-G2-x	98	1050	4000	318	40,081	B4-U0-G4	127	39,395	88-00-65	124	40,122	83-U0-G5	127	41,283	B8-00-G4	180	40,824	85-U0-35	129
ECF-L-96L-1.2A-NW-G2-x	96	1200	4000	365	43,577	B4-U0-G4	119	42,852	B4-U0-G5	117	43,642	B3-U0-G5	120	44,884	B5-U0-G4	123	44,406	B5-U0-G5	122
ECF-L-98L-1.4A-NW-G2-x	98	1370	4000	422	48,179	B4-U3-34	114	49,917	B4-UC-65	118	49,311	B4-U0-93	117	50,847	B8-U0-G8	120	49,221	85-U0-G5	117
		LED		Average		Type AFR			BLC										
Ordering Code	Totai LEDs	Current (mA)	Color Temp.	System Watts	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)									
ECF-L-SOL-900-NW-G2-x	80	900	4000	225	30,595	B4-U0-33	138	21,350	B1-U0-G4	98									
ECF-L-80L-1A-NW-G2-x	80	1050	4000	265	34,509	B4-U0-G3	130	24,082	B1-U0-G4	92									
EOF-L-SOL-1.2A-NW-G2-x	50	1200	4000	289	38,085	B4-U0-G3	132	26,563	B1-UC-G4	93									
			4000	0.00	00.040	D.4.110.000	400	00.000	24.110.04										

LOF L-OOL IN INF OZ X	00	1000	4000	200	04,000	04-00-00	100	24,002	01-00-04	32
ECF-L-SOL-1.2A-NW-G2-X	50	1200	4000	289	38,085	B4-U0-G3	132	26,363	B1-U0-G4	93
ECF-L-96L-800-NW-G2-x	96	800	4000	238	33,043	B4-U0-G3	139	23,020	B1-U0-G4	98
ECF-L-98L-1A-NW-G2-x	66	1050	4000	318	41,137	B4-U0-G4	130	28,707	B1-U0-G4	92
ECF-L-96L-1.2A-NW-G2-x	96	1200	4000	365	44,746	B4-U0-G4	123	31,226	B1-U0-G4	87
ECF-L-98L-1.4A-NW-G2-x	96	1370	4000	422	52,478	B4-U3-G4	124	39,065	82-UO-G5	82

Values from photometric tests performed in accordance with IESNA LM-78 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

ECF-L\_EcoForm\_area\_large 04/22 page 4 of 9

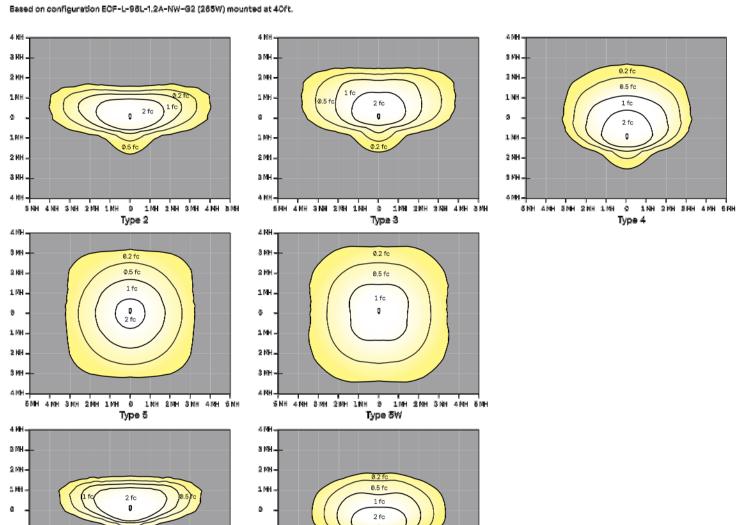
# ECF-L EcoForm large

### Area luminaire

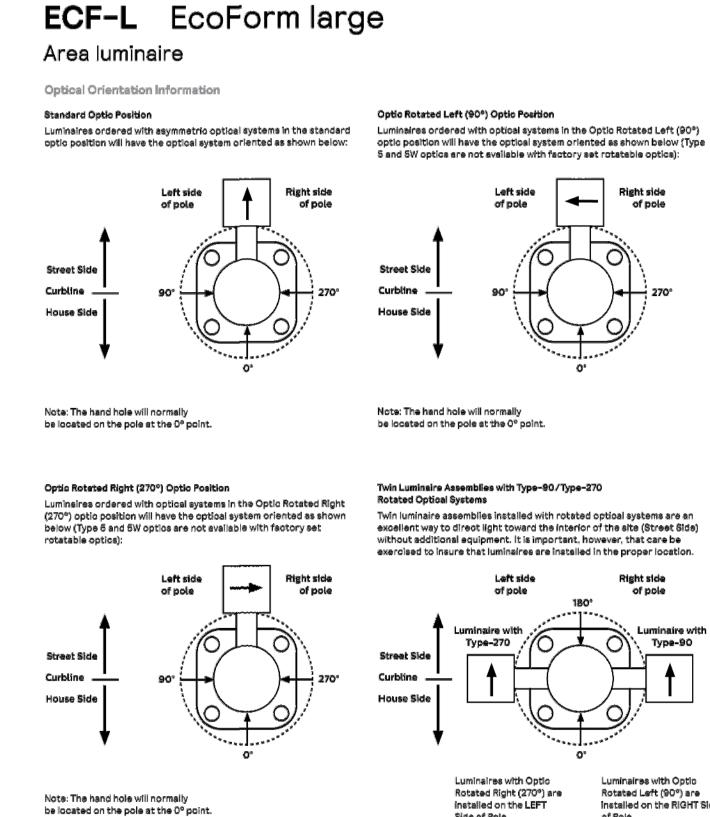
Predicted Lumen Depreciation Data

25°C	up to 1400 mA	>100.000 hours	>90.000 hours	>96%
Ambient Temperature °C	Driver mA	Calculated L <sub>70</sub> Hours	L <sub>70</sub> per TM-21	Lumen Maintenance % at 60.000 hrs
Predicted performance derived from i Actual experience may vary due to fiel initial lumen output. Calculated per let	d application conditi	ions.L <sub>70</sub> is the predicted time w	hen LED performance deprecia	

**Optical Distributions** 



BLĆ



ECF-L\_EcoForm\_ares\_large 04/22 page 3 of 9

AFR

อัพห 4 พห 8 พห 2 พห 1 พห 2 พห 3 พห 4 พห 5 พห 4 พห 8 พห

ECF-L\_EcoForm\_area\_large 04/22 page 7 of 9

Rotated Left (90°) are installed on the RIGHT Side of Pole

Note: The hand hole location will depend on the drilling configuration ordered for the pole.

Side of Pole

		CENT A. DiIO ONSULTING ENG 89 Access Rd. Su Norwood, MA C 55-9754   vadjr@ www.vadeng.c	nite 18 92062 9vadeng.com
* * * * * * * * *	* * * * * * * * * * * * * * * *	* * * * * * * * * * * *	
RE//	SIONS:		
REV.	-	DESCRIPTION	:
		DESIGN	
GR	ROUF	)	
PLAIN	OUTH ST NVILLE, M IECT <sup>.</sup>		
	BERT	Y PARK	(ING
15 LIE	PAN BERTY W. IKLIN, MA		
DRAV	VING TIT	LE	
		METRY NG SPE	
DRAV	VN:		CDO
CHEC SCAL	KED: E:		VAD Jr NOT TO SCALE 3/13/23
DATE			
	P	<b>H2</b>	

Plar	nt Schedule			Feb 5 2024
<u>Sym.</u>	Botanical Name	Common Name	<u>Qty.</u>	Size, Comments
Trees				
AG	Amelanchier 'Autumn Brilliance'	Autumn Brilliance Serviceberry	10	8-10' B+B m/s
BN	Betula nigra 'Heritage'	Heritage River Birch	3	12-14' B+B, m/s
Shrub	S			
Ca	Clethra alnifolia	Summersweet	8	#10
Ci	Cornus alba 'Ivory Halo'	Red-twig Dogwood	10	2-3' B+B
Rs	Amelanchier alnifolia 'Regent'	Regent Serviceberry	12	#7
Tm	Taxus med. 'Densiformis'	Densiformis Yew	8	18-24"
Vd	Viburnum dentatum	Arrowwood Viburnum	14	2-3' B+B

### **General Planting Notes**

1. All plants shall be the highest quality, heavy nursery-grown stock and sized according to Massachusetts Nurseryman's Association Standards. No substitutions will be permitted without the prior approval of the Landscape Architect. 2. Topsoil for plant beds and pits shall be good quality sandy loam devoid of roots, clods, stones,

rubbish, glass, brick, or asphalt. Soil should be between pH 6 and 7, and have good fertility and organic content. 3. Plant beds shall have a minimum soil depth of 10" unless otherwise specified and be mulched

with 2-3" of finely shredded pine bark mulch. Groundcover area should have a  $1\frac{1}{2}$  - 2" mulch deptl 4. All plant material shall be guaranteed for one full year from the completion of the installation.

5. All seeded and sodded areas shall have 6" of screened loam, spread and finely graded according to the plans. All areas indicated of the drawings and disturbed areas not otherwise indicated, shall receive 6" of loam previously stripped and stockpiled with the addition of 3" loam borrow tilled together and finely graded over all areas to receive seed. Loam borrow shall consist of friable soil typical of locally cultivated soils containing a minimum of 2% decayed organic matter, no clods, sticks and debris; and have a pH of 6 to 7. Test soil for acidity, fertility and texture by a reputable soils testing lab. Amend soil with lime and fertilizers accordingly. Rake until surface is smooth, friable, and uniform in texture to the elevations indicated on the drawings. Seed evenly at a rate of 5 lbs. per 1000 square feet or according to the manufacturers instructions. Lay sod with hand-tight joints. Irrigate immediately and as necessary to provide one inch of water per week while the seed germinates and sod takes root until the grass is thoroughly established.

### **General Planting Notes**

1. All plants shall be the highest quality, heavy nursery-grown stock and sized according to Massachusetts Nurseryman's Association Standards. No substitutions will be permitted without the prior approval of the Landscape Architect.

2. Topsoil for plant beds and pits shall be good quality sandy loam devoid of roots, clods, stones, rubbish, glass, brick, or asphalt. Soil should be between pH 6 and 7, and have good fertility and organic content.

3. Plant beds shall have a minimum soil depth of 10" unless otherwise specified and be mulched with 2-3" of finely shredded pine bark mulch. Groundcover area should have a  $1\frac{1}{2}$  - 2" mulch depth.

4. All plant material shall be guaranteed for one full year from the completion of the installation. 5. All seeded and sodded areas shall have 6" of screened loam, spread and finely graded according to the plans. All areas indicated of the drawings and disturbed areas not otherwise indicated, shall receive 6" of loam previously stripped and stockpiled with the addition of 3" loam borrow tilled together and finely graded over all areas to receive seed. Loam borrow shall consist of friable soil typical of locally cultivated soils containing a minimum of 2% decayed organic matter, no clods, sticks and debris; and have a pH of 6 to 7. Test soil for acidity, fertility and texture by a reputable soils testing lab. Amend soil with lime and fertilizers accordingly. Rake until surface is smooth, friable, and uniform in texture to the elevations indicated on the drawings. Seed evenly at a rate of 5 lbs. per 1000 square feet or according to the manufacturers instructions. Lay sod with hand-tight joints. Irrigate immediately and as necessary to provide one inch of water per week while the seed germinates and sod takes root until the grass is thoroughly established.

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

- 1. EXISTING CONDITIONS WERE OBTAINED FROM FIELD SURVEY PREPARED BY LEVEL DESIGN GROUP, LLC BETWEEN NOVEMBER 2, 2022 AND NOVEMBER 16, 2022. SOIL TESTING COMPLETED BY ADAM P. HUNT ON NOVEMBER 16, 2022.
- 2. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. NOTIFY "DIG-SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY SITE DEMOLITION OR EXCAVATION.
- 3. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES IN THE DESIGN PLANS PRIOR TO THE START OF CONSTRUCTION.
- 4. ALL DISTURBED AREAS NOT RECEIVING IMPROVEMENTS SHALL BE LOAMED AND SEEDED.
- 5. THE SITE IS NOT LOCATED WITHIN A ZONE II WATER RESOURCE DISTRICT.

6. THE SITE IS NOT LOCATED WITHIN A FLOOD PLAIN DISTRICT.

### CONSTRUCTION NOTES:

- 1. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. NOTIFY "DIG-SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY SITE DEMOLITION OR EXCAVATION.
- 2. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES IN THE DESIGN PLANS PRIOR TO THE START OF CONSTRUCTION.
- 3. ALL EXISTING PAVEMENT SHALL BE SAWCUT PRIOR TO REMOVAL.
- 4. ALL EXISTING PAVEMENT, CURB, WALKS, UTILITIES, LIGHT POLES, TREES, SHRUBS, ETC., SHALL BE REMOVED FROM THE AREAS TO BE DEVELOPED. ALL SUCH ITEMS NOT WITHIN THE WORK AREA SHALL BE PROTECTED AND UNDISTURBED.
- 5. ALL DISTURBED AREAS NOT RECEIVING IMPROVEMENTS SHALL BE LOAMED AND SEEDED.
- 6. ALL CONSTRUCTION AND CONSTRUCTION ACTIVITIES SHALL CONFORM TO STATE AND LOCAL REQUIREMENTS. INCLUDING BUT NOT LIMITED TO THE TOWN OF FRANKLIN, THE COMMONWEALTH OF MASSACHUSETTS AND ANY OTHER AGENCIES HAVING JURISDICTION.
- 7. MATERIAL TO BE EXPORTED FROM THE SITE WILL BE LIMITED TO TOPSOIL IN AREAS TO BE PAVED AND ANY DELETERIOUS MATERIAL ENCOUNTERED DURING EXCAVATION. MATERIAL TO BE EXPORTED WILL BE LIMITED TO GRAVEL BASE AND SEPTIC AGGREGATE.

### SITE PLAN NOTES:

