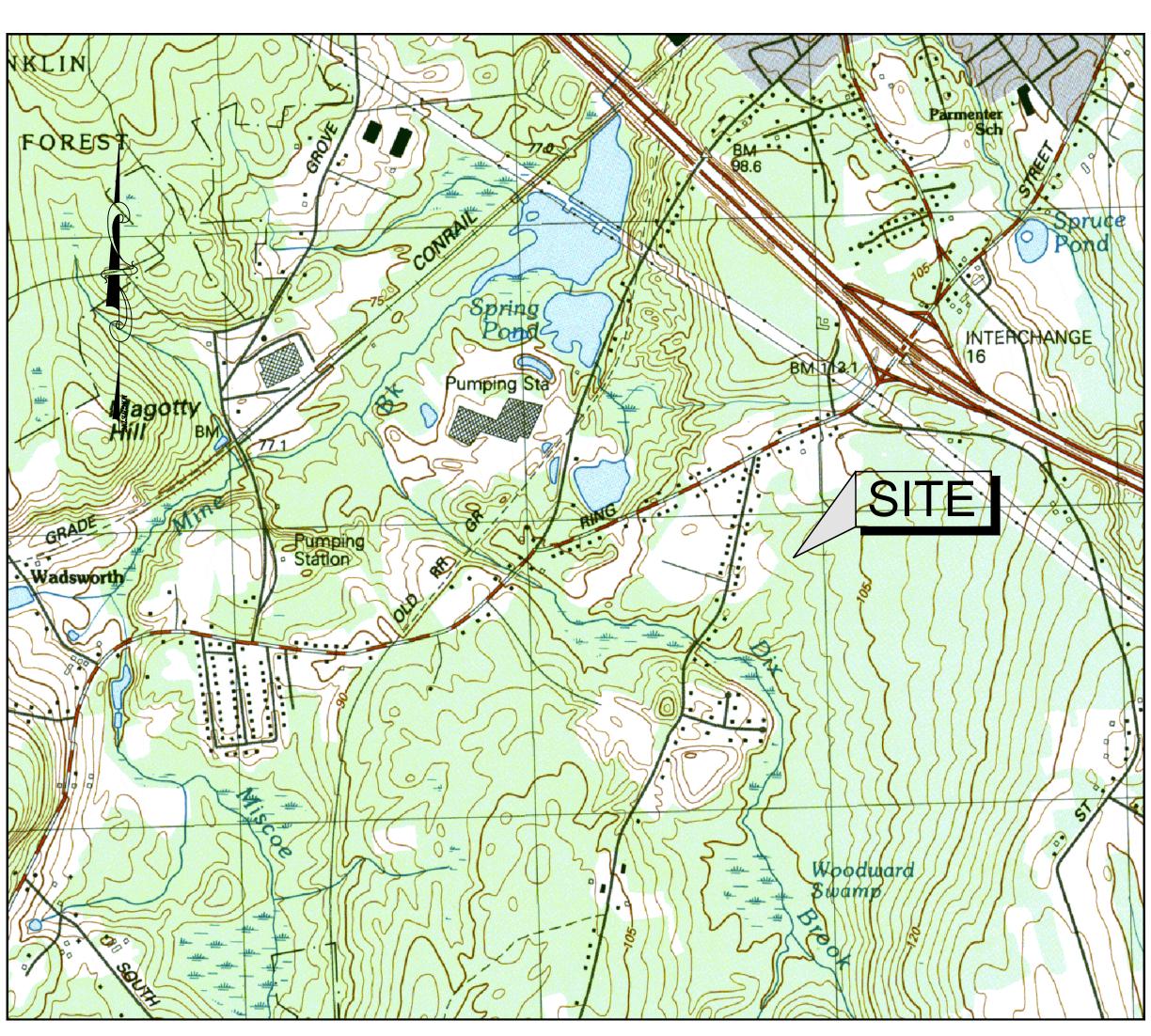
LIBERTY PARKING EXPANSION

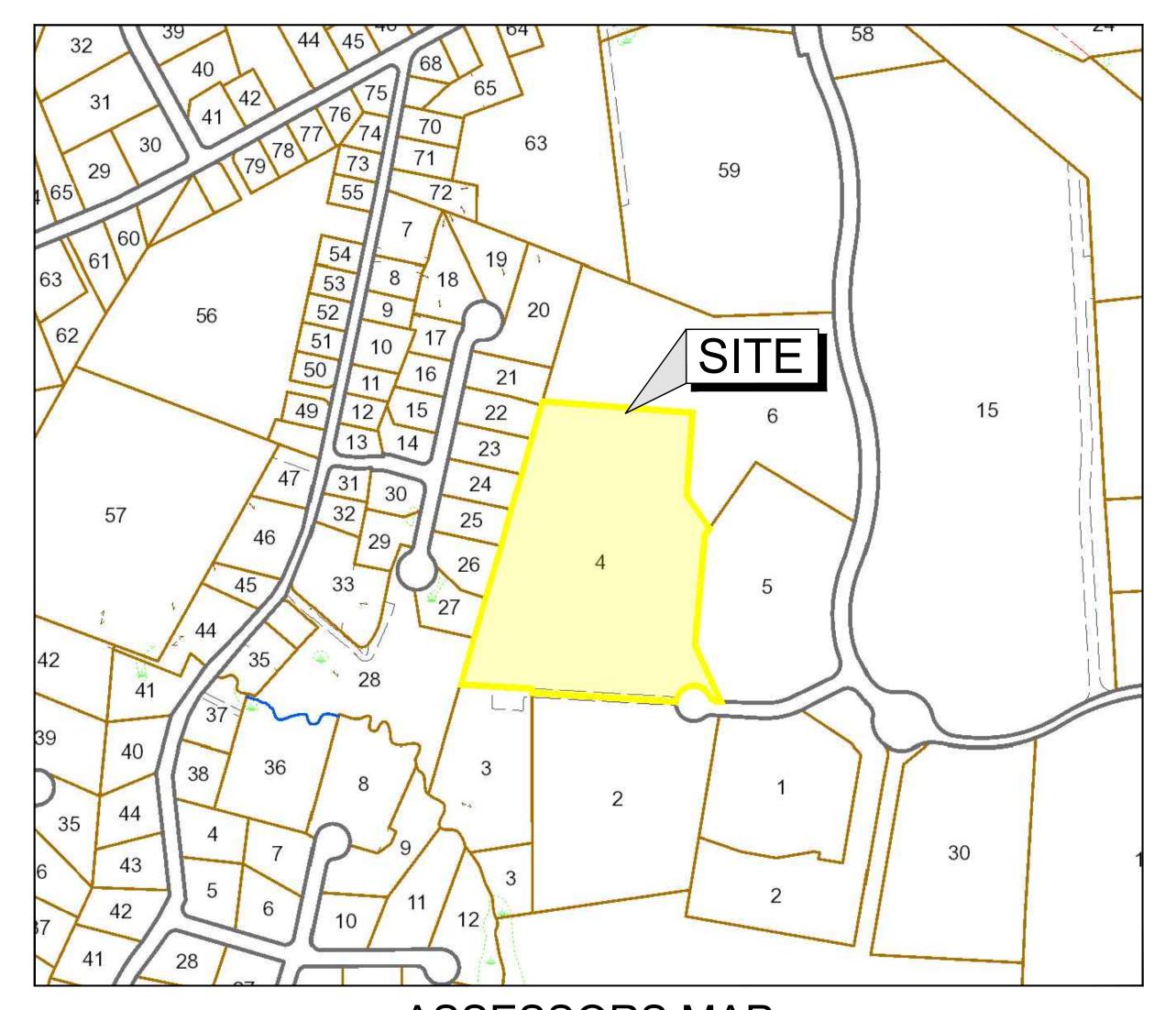
OLIVER STREET CAPITAL

15 LIBERTY WAY

FRANKLIN, MASSACHUSETTS

DATE: JANUARY 13, 2023 REVISED: FEBRUARY 1, 2024





USGS MAP

SCALE: 1"= 1,000'±

ASSESSORS MAP

SCALE: 1"= 300'±

1 10/17/2023 RESOURCE AREA FLAGS 2 11/22/2023 REVIEW COMMENTS 3 02/01/2024 REVIEW COMMENTS

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

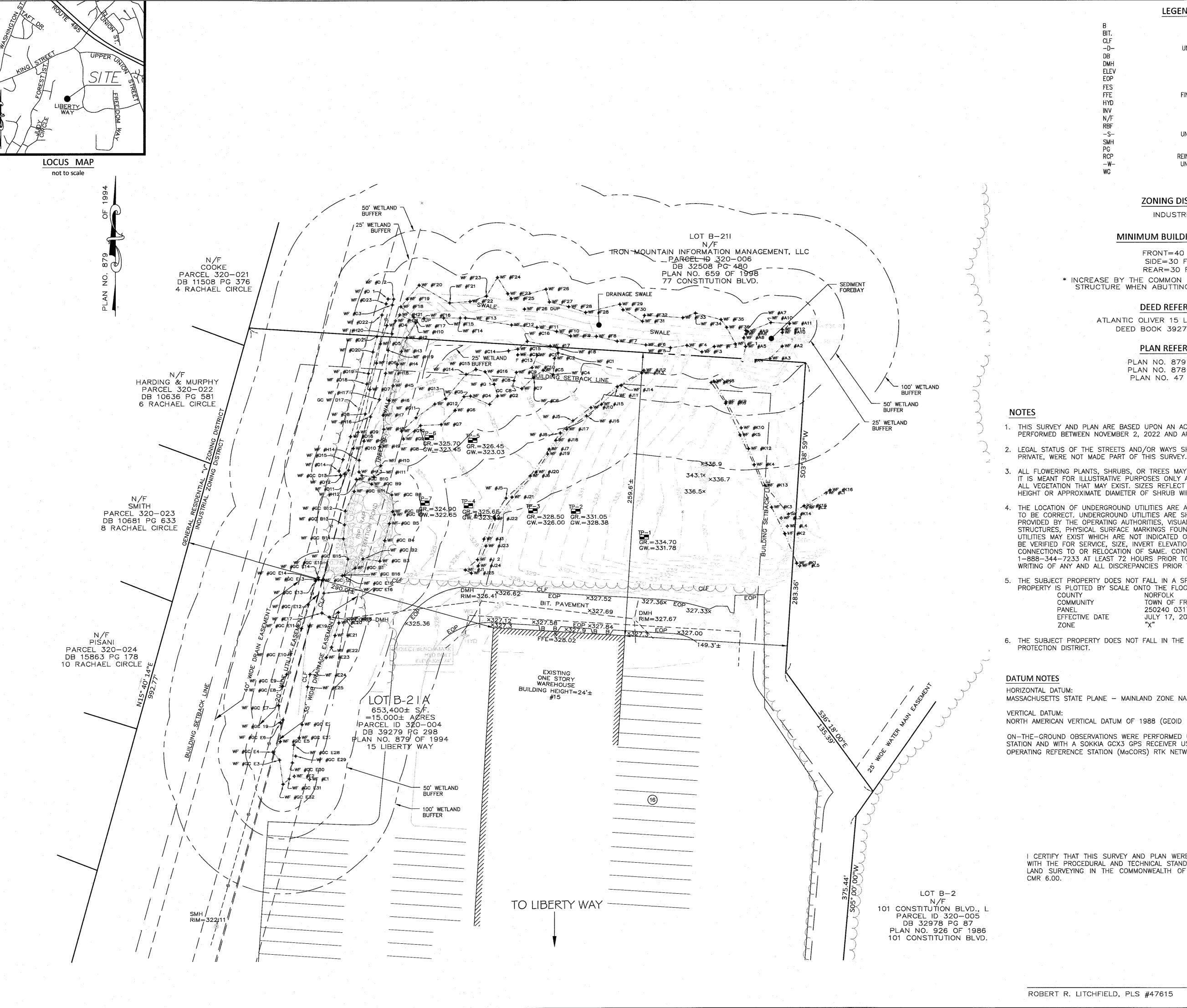
ZONING DISTRICT: INDUSTRIAL

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
OIC A O	

SK-1.0 EMERGENCY VEHICLE ACCESS
PH-1.1 PHOTOMETRIC SITE LIGHTING
PH-2.1 PHOTOMETRY LIGHTING SPECS

L-1.0 LANDSCAPE PLAN



LEGEND **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

ZONING DISTRICT

REINFORCED CONCRETE PIPE

UNDERGROUND WATER LINE

WATER GATE

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
- 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,

COMMUNITY

NORFOLK TOWN OF FRANKLIN 250240 0317E JULY 17, 2012 "X"

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

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

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

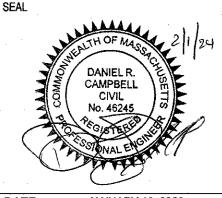
ON-THE-GROUND OBSERVATIONS WERE PERFORMED USING A LEICA TS13 (3") ROBOTIC TOTAL STATION AND WITH A SOKKIA GCX3 GPS RECEIVER USING THE MASSACHUSETTS CONTINUOUSLY OPERATING REFERENCE STATION (Macors) RTK NETWORK.

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

1 10/17/2023 RESOURCE AREA FLAGS 2 11/22/2023 REVIEW COMMENTS 3 02/01/2024 REVIEW COMMENTS

REVISIONS

NO DATE



JANUARY 13, 2023 DRAWN: AH/DRC

1" = 40'

SCALE:

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DESIGN GROUP Civil Engineers & Land Surveyors

249 SOUTH STREET, UNIT 1 PLAINVILLE, MA 02762 TEL. (508) 695-2221 FAX. (508) 695-2219

EXISTING CONDITIONS

20' 40'

ZONING DISTRICT

ZONED: INDUSTRIAL

USE: 3.10 WAREHOUSE, DISTRIBUTION FACILITY (EXISTING)

MINIMUM BUILDING SETBACKS

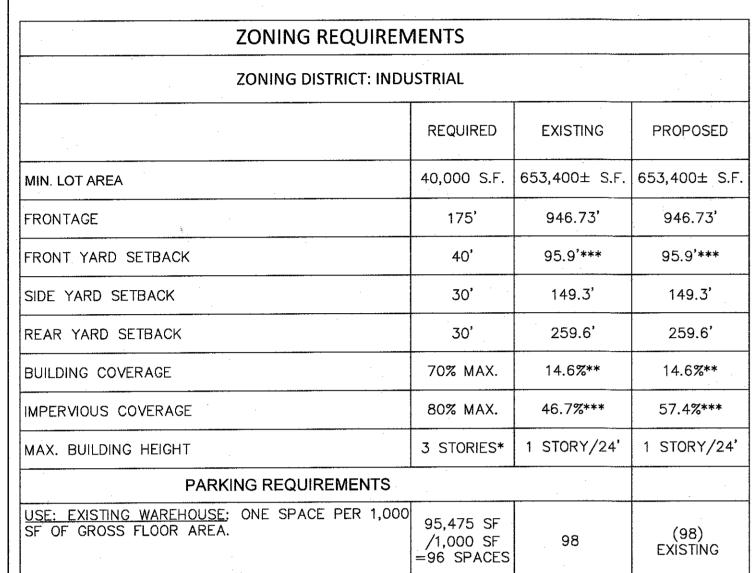
FRONT=40
FEET SIDE=30 FEET
REAR=30 FEET

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



* BUILDINGS UP TO 60' IN HEIGHT MAY BE PERMITTED BY A SPECIAL PERMIT

*** TAKEN FROM THE RECORD SURVEY IN ADDITION TO AERIAL IMAGERY.

FROM THE PLANNING BOARD.

** BUILDING AREA IS BASED ON FRANKLIN ASSESSORS RECORDS

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.

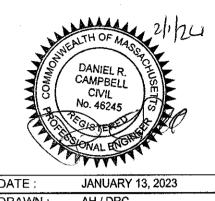
 MATERIAL TO BE EXPORTED WILL BE LIMITED TO GRAVEL BASE AND SEPTIC AGGREGATE.

SITE PLAN NOTES:

1. THIS PLAN SET HAS BEEN ISSUED FOR PERMITTING ONLY. A FULL CONSTRUCTION PLAN SET SHALL BE ISSUED ONCE ALL LOCAL, STATE, AND FEDERAL PERMIT APPROVALS HAVE BEEN GRANTED.



NO	DATE	REVISIONS
1		RESOURCE AREA FLAGS
2		REVIEW COMMENTS
3	02/01/2024	REVIEW COMMENTS
SE/	AL.	
-	-	
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		ATH OF MASS
	JUNES	LTH OF MASS.
	₹/ ↔` /	\ \%\\\



DRAWN: AH / DRC

SCALE: 1" = 50'

BERTY PARKING EXPANSIC

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DESIGN GROUP

249 SOUTH STREET, UNIT 1 PLAINVILLE, MA 02762 TEL. (508) 695-2221 FAX. (508) 695-2219

OVERALL SITE PLAN

C-2.0

SHEET 3 OF '

2081.00

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:

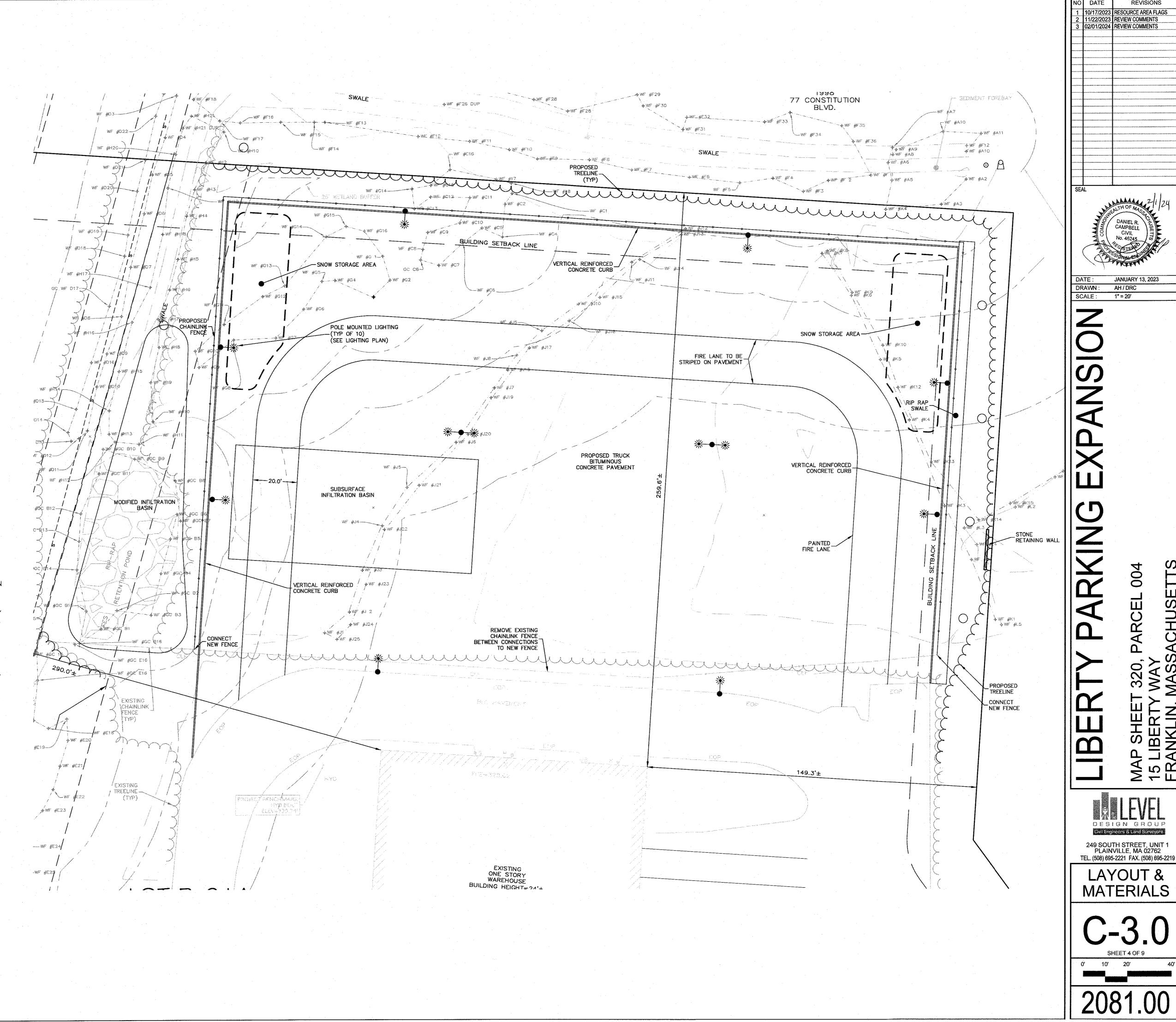
- 1. EXISTING CONDITIONS WERE OBTAINED FROM FIELD SURVEY PREPARED BY LEVEL DESIGN GROUP, LLC BETWEEN NOVEMBER 2, 2022 AND AUGUST 2, 2023. SOIL TESTING COMPLETED BY ADAM P. HUNT ON NOVEMBER 16, 2022 AND OCTOBER 4, 2023.
- 2. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY 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:

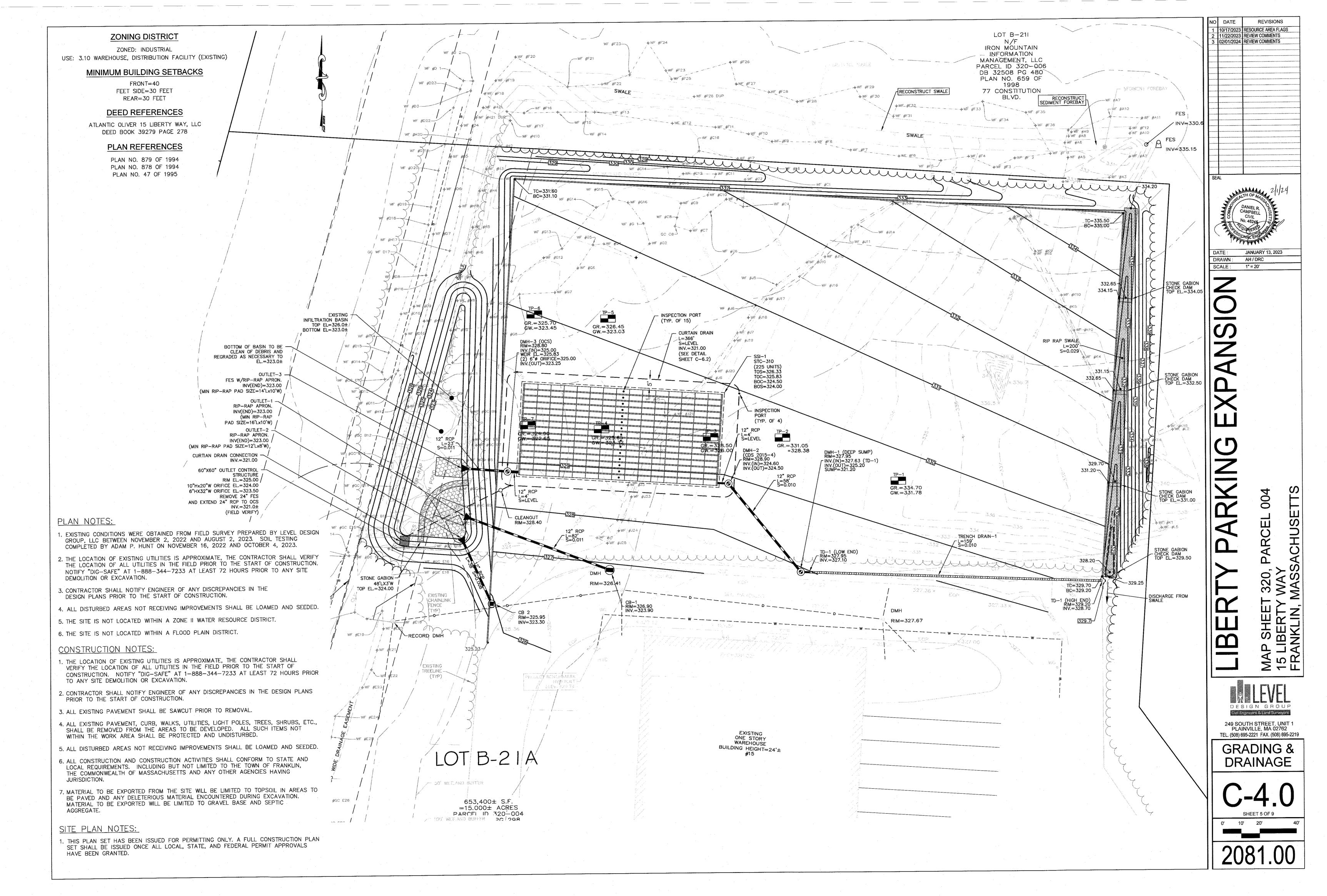
1. THIS PLAN SET HAS BEEN ISSUED FOR PERMITTING ONLY. A FULL CONSTRUCTION PLAN SET SHALL BE ISSUED ONCE ALL LOCAL, STATE, AND FEDERAL PERMIT APPROVALS HAVE BEEN GRANTED.

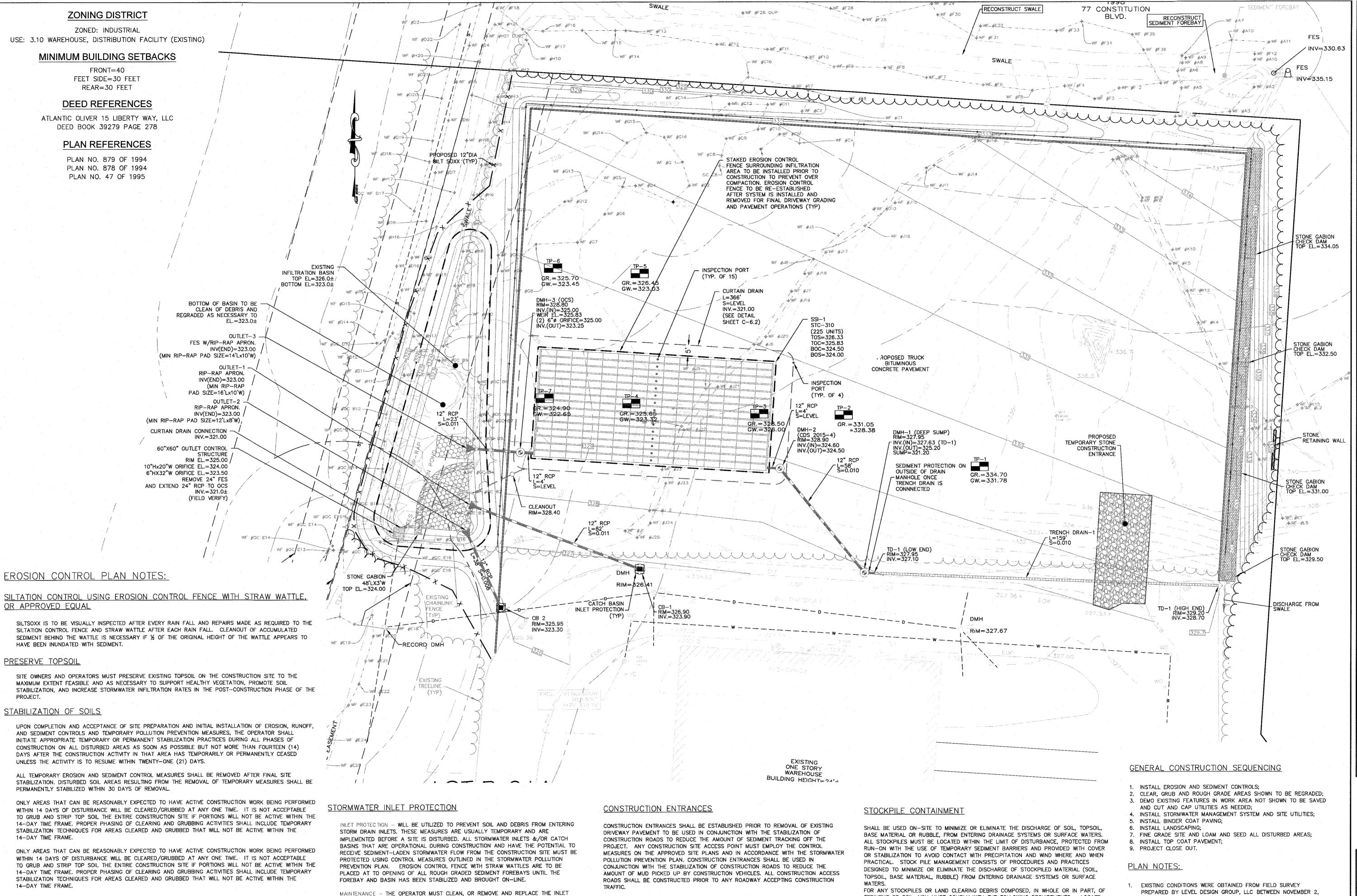


JANUARY 13, 2023

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THE SITE OWNER AND OPERATOR MUST WILL RESTRICT VEHICLE USE TO PROPERLY

ENTRANCES AT ALL POINTS THAT EXIT ONTO PAVED ROADS SO THAT SEDIMENT

REMOVAL OCCURS PRIOR TO VEHICLE EXIT. WHEN AND WHERE NECESSARY, USE

DESIGNATED EXIT POINTS, USE PROPERLY DESIGNED AND CONSTRUCTED CONSTRUCTION

ADDITIONAL CONTROLS TO REMOVE SEDIMENT FROM VEHICLE TIRES PRIOR TO EXIT (I.E.

BEEN TRACKED OUT FROM THE CONSTRUCTION SITE ONTO THE SURFACE OF OFFSET

STREETS, OTHER PAVED AREAS, AND SIDEWALKS, THE DEPOSITED SEDIMENT MUST BE

REMOVED BY THE END OF THE SAME WORK DAY IN WHICH THE TRACK OUT OCCURS.

SURFACES, OR BY USING OTHER SIMILARLY EFFECTIVE MEANS OF SEDIMENT REMOVAL.

TRACK-OUT MUST BE REMOVED BY SWEEPING, SHOVELING, OR VACUUMING THESE

WHEEL WASHING RACKS, RUMBLE STRIPS, AND RATTLE PLATES). WHERE SEDIMENT HAS

STEEP SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS

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,

BEEN TEMPORARY AND/OR FINAL SEEDED IT SHALL BE PROTECTED WITH 4' HIGH ORANGE CONSTRUCTION TO

% BY WEIGHT

UNLESS THE ACTIVITY IS TO RESUME WITHIN TWENTY-ONE (21) DAYS. ONCE AN STEEP SLOPE AREA HAS

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

ANNUAL RYE GRASS

PERENNIAL RYE GRASS

PREVENT FURTHER DISTURBANCE OF THE AREA.

THE INACTIVE WINTER SEASON. THE CONTRACTOR SHALL INITIATE APPROPRIATE VEGETATIVE PRACTICES ON

PROTECTION MEASURES AS SEDIMENT ACCUMULATES, THE FILTER BECOMES CLOGGED,

THE INLET PROTECTION MEASURES SHOULD BE REMOVED BY THE END OF THE SAME

WORK DAY IN WHICH IT IS FOUND OR BY THE END OF THE FOLLOWING WORK DAY IF

INFILTRATION BASINS - ALL AREAS CONTAINING INFILTRATION BASINS (ABOVE OR

ON-LINE FOR STORMWATER MANAGEMENT OF THE STABILIZED SITE.

BELOW GROUND) SHALL BE PROTECTED THROUGHOUT CONSTRUCTION. THESE AREAS

ARE NOT BE USED FOR MATERIAL STOCKPILES OR FOR PARKING EQUIPMENT. SURFACE

BASINS ARE TO BE ROUGH GRADED AND PROTECTED UNTIL STABILIZED AND BROUGHT

REMOVAL BY THE SAME WORK DAY IS NOT FEASIBLE.

AND/OR AS PERFORMANCE IS COMPROMISED. ACCUMULATED SEDIMENT ADJACENT TO

DESIGN GROUP

EROSION

CONTROL

0' 10' 20'

O

REVISIONS

10/17/2023 RESOURCE AREA FLAGS

11/22/2023 REVIEW COMMENTS

02/01/2024 REVIEW COMMENTS

DANIEL R. CAMPBELL CIVIL No. 46245

DRAWN: AH/DRC

SCALE: 1" = 20'

JANUARY 13, 2023

249 SOUTH STREET, UNIT 1 PLAINVILLE, MA 02762 TEL. (508) 695-2221 FAX. (508) 695-2219

PREPARED BY LEVEL DESIGN GROUP, LLC BETWEEN NOVEMBER 2, 2022 AND NOVEMBER 16, 2022. THERE ARE NO RESOURCE AREAS, IN ACCORDANCE WITH 310 CMR 10.00 WITHIN 100' OF PROPOSED

SEDIMENT OR SOIL, YOU MUST COMPLY WITH THE FOLLOWING REQUIREMENTS - LOCATE

BUFFER ZONE, PROTECT FROM CONTACT WITH STORMWATER (INCLUDING RUN-ON) USING

A TEMPORARY PERIMETER SEDIMENT BARRIER; WHERE PRACTICABLE, PROVIDE COVER OR

APPROPRIATE TEMPORARY VEGETATIVE OR STRUCTURAL STABILIZATION TO AVOID DIRECT

CONTACT WITH PRECIPITATION OR TO MINIMIZE SEDIMENT DISCHARGE; NEVER HOSE DOWN

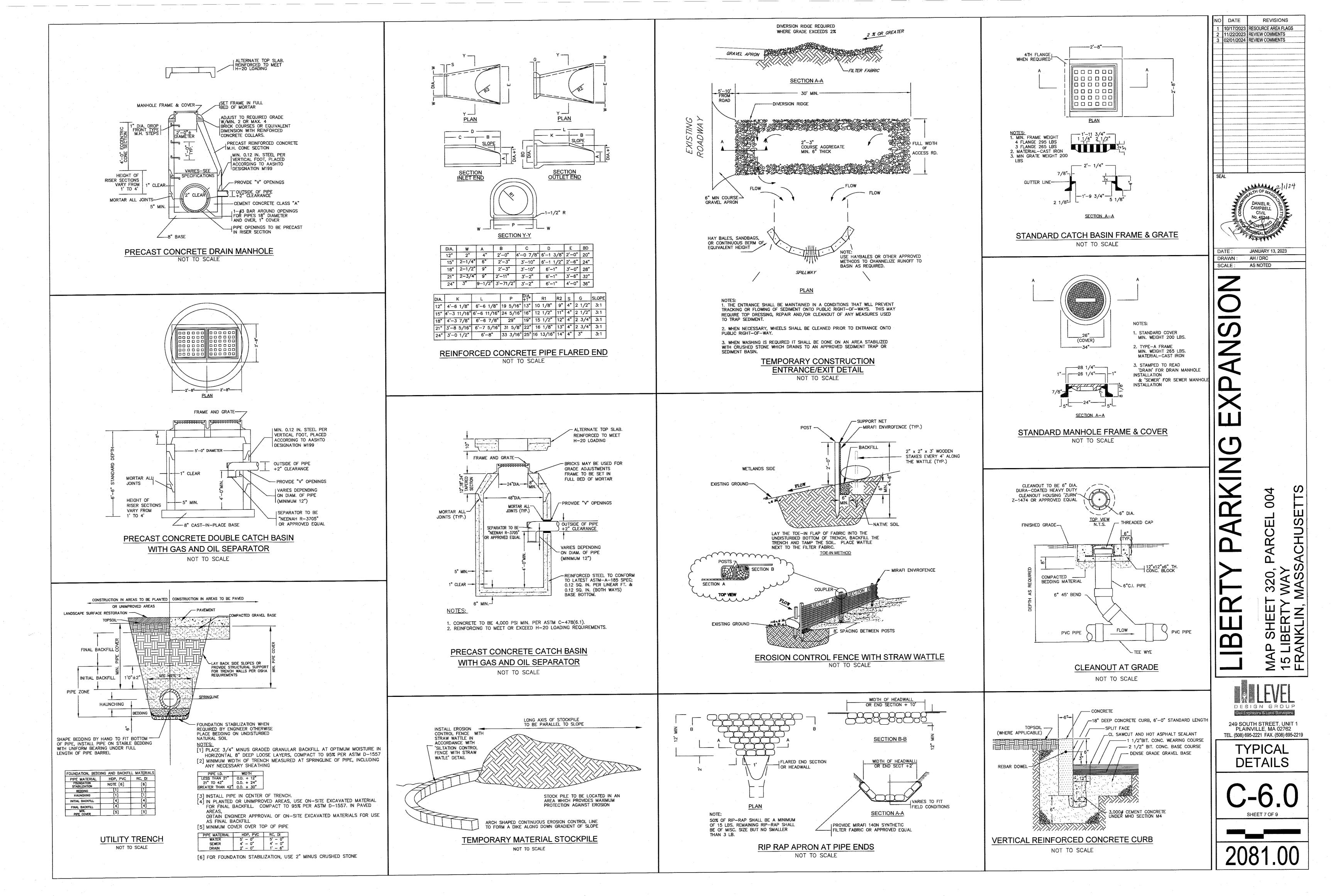
WATER; TO THE MAXIMUM EXTENT PRACTICABLE, CONTAIN AND SECURELY PROTECT FROM

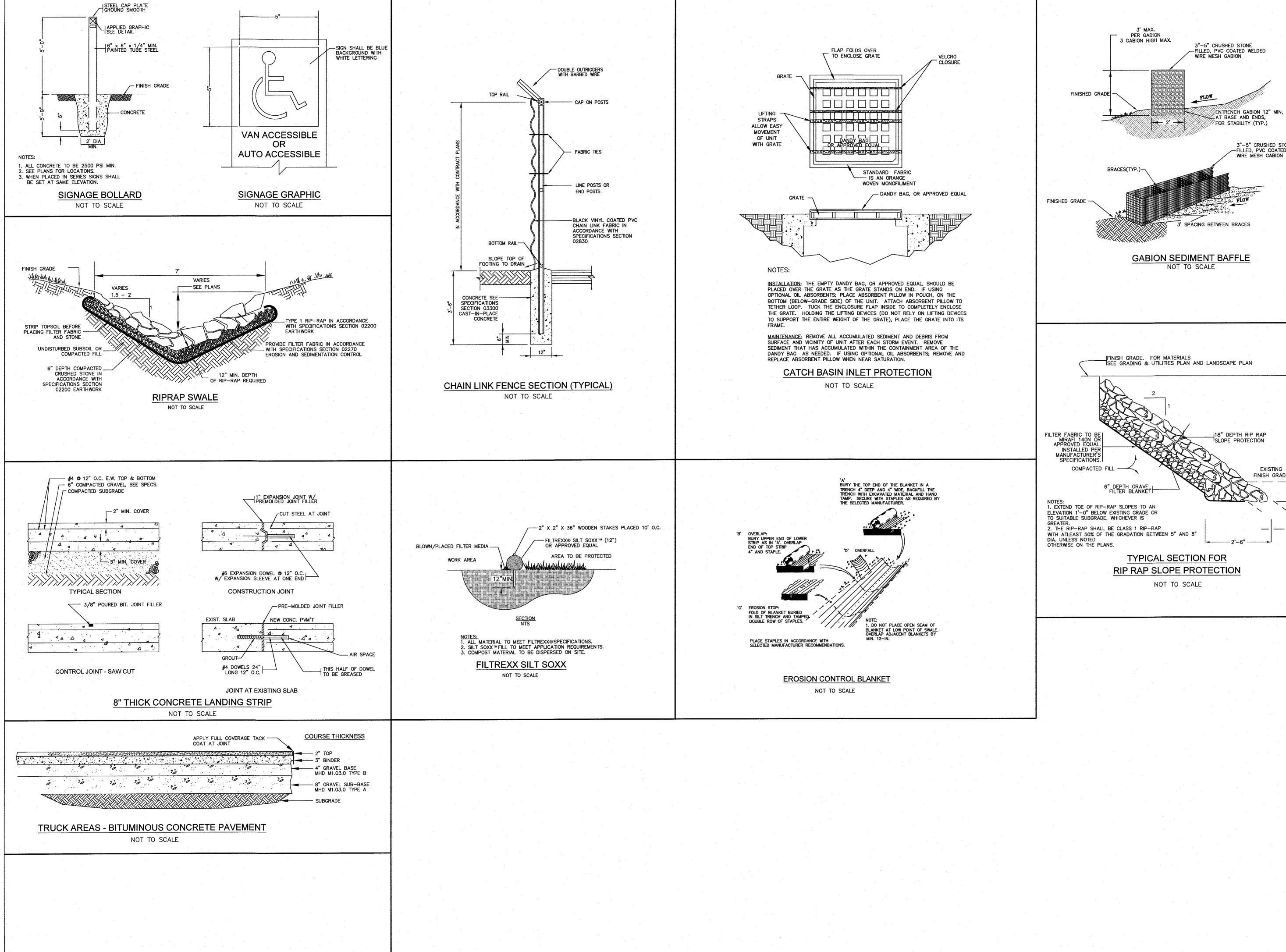
PILES WITHIN THE DESIGNATED LIMITS OF DISTURBANCE OUTSIDE OF THE 100-FOOT

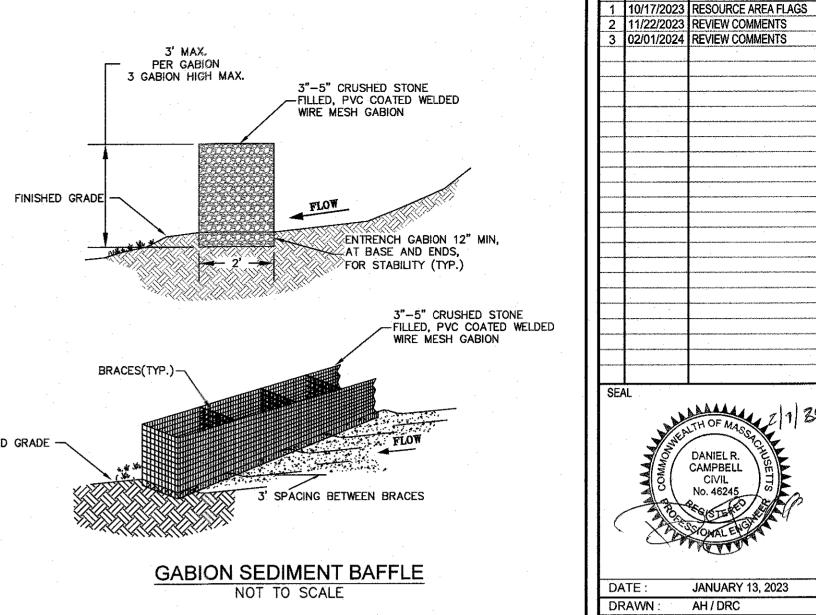
OR SWEEP SOIL OR SEDIMENT ACCUMULATED ON PAVEMENT OR OTHER IMPERVIOUS

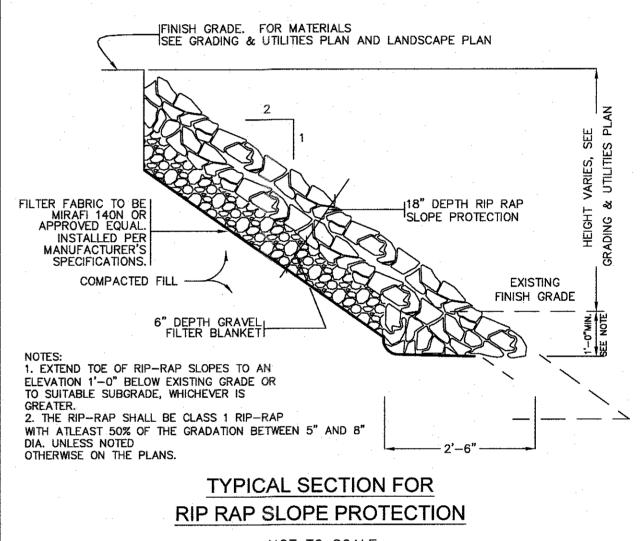
SURFACES INTO ANY STORMWATER CONVEYANCE, STORM DRAIN INLET, OR SURFACE

- 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. SEE STORMWATER POLLUTION PREVENTION PLAN PREPARED FOR CONSTRUCTION ACTIVITIES AT 15 LIBERTY WAY FRANKLIN, MA 02038. FOR ADDITIONAL EROSION AND SEDIMENT CONTROL PRACTICES AND PROCEDURES.









AS NOTED SCALE:

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ACHUSE_

NO DATE

REVISIONS

DESIGN GROUP

249 SOUTH STREET, UNIT 1 PLAINVILLE, MA 02762 TEL. (508) 695-2221 FAX. (508) 695-2219

TYPICAL DETAILS

SHEET 8 OF 9

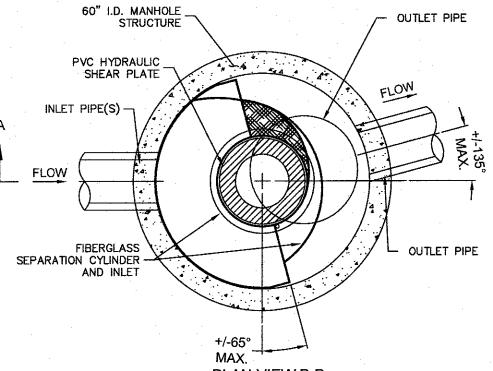
GENERAL NOTES

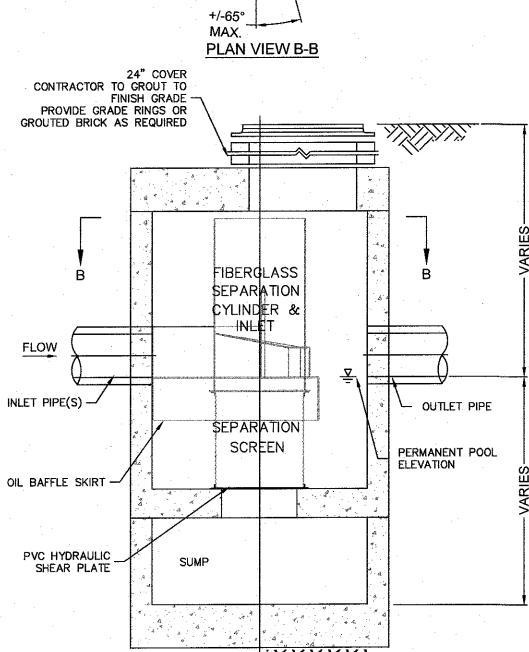
- 1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE. 2. CONTRACTOR SHALL REQUEST SHOP DRAWINGS OF EACH INDIVIDUAL CDS STORMWATER
- TREATMENT UNIT AND SHALL SUBMIT THEM FOR REVIEW AND APPROVAL TO THE DESIGN ENGINEER PRIOR TO UNITS BEING ORDERED OR ENTERING PRODUCTION. 3. DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
- 4. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH CONSTRUCTION PRODUCTS REPRESENTATIVE. www.contech-coi.com 5. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND
- INFORMATION CONTAINED IN THIS DRAWING. 6. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION.
- ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. 7. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE

AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

- INSTALLATION NOTES

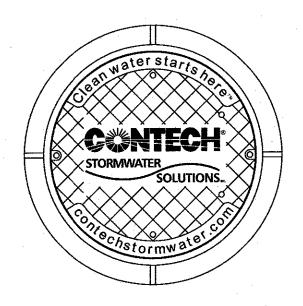
 1. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- 2. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED). 3. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE
- STRUCTURE. 4. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS
- 5. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT. HOLDING
- WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

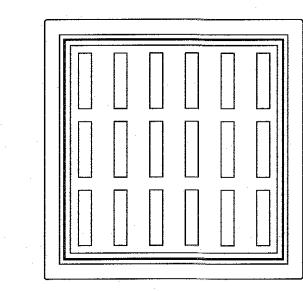




ELEVATION VIEW

STORM WATER TREATMENT UNIT





FRAME AND COVER (DIAMETER VARIES) N.T.S.

FRAME AND GRATE (24" SQUARE)

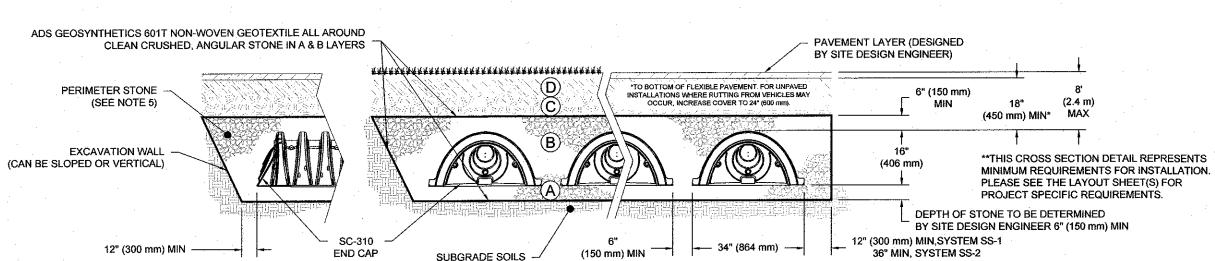
CDS STORMWATER TREATEMENT UNITS
NOT TO SCALE

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
С	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
В	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
Α	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

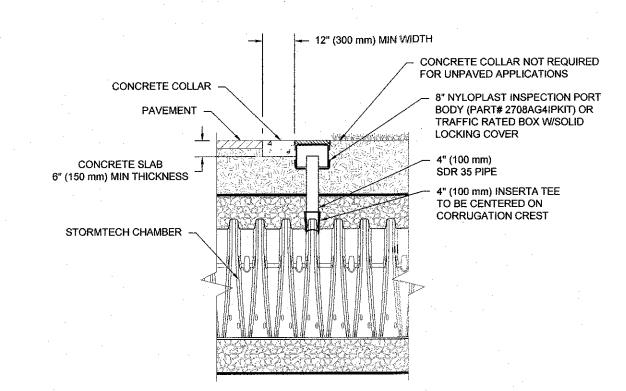
PLEASE NOTE: 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE". STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.

WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS. 4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S



(SEE NOTE 4)

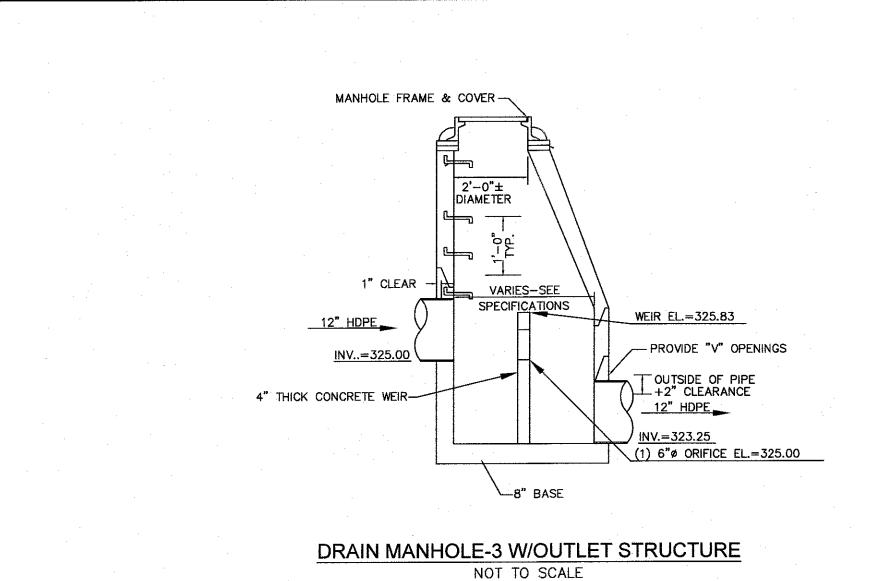
SYSTEM CROSS SECTION STORMTECH SC-310 DETAILS NOT TO SCALE

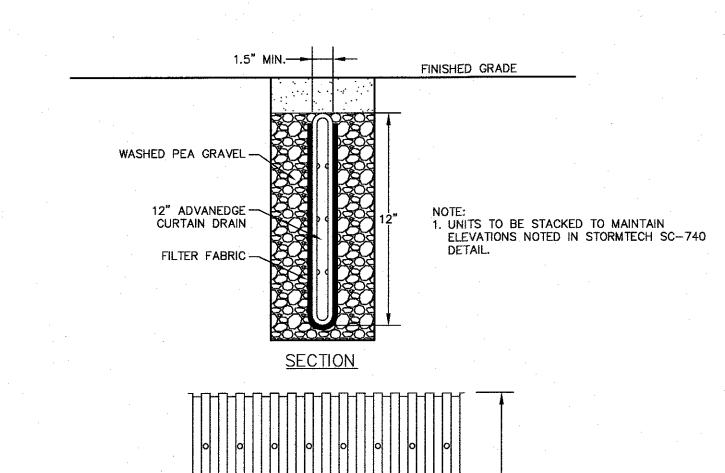


INSPECTION PORTS MAY BE CONNECTED THROUGH ANY CHAMBER CORRUGATION CREST. **INSPECTION PORT**

NOTES:

- 1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- 2. SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- 3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- 4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- 5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
- TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS. • TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
- TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM
- F2922 SHALL BE GREATER THAN OR EQUAL TO 400 LBS/FT/%. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

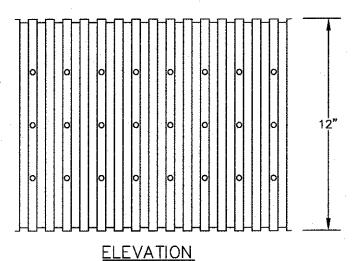




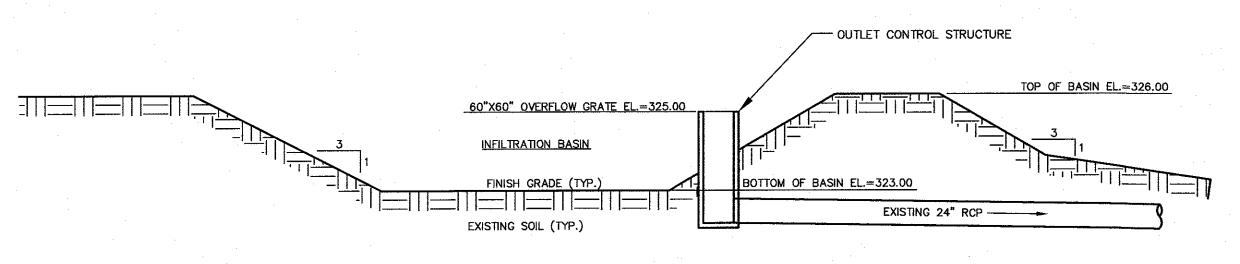
1. TRENCH MUST BE NO LESS THAN 4" WIDE 2. MINIMUM COVER SHALL BE NO LESS THAN 4"
3. ALL PIPE FITTINGS SHALL BE MADE OF POLY ETHYLENE WITH A MINIMUM CELL

CLASSIFICATION OF 424420C AS DEFINED AND DESCRIBED IN ASTM D3350.

4. GEOTEXTILE SHALL MEET THE REQUIREMENTS OF CLASS B GEOCOMPOSITE AS DEFINED IN ASTM



ADVANEDGE CURTAIN DRAIN NOT TO SCALE



CROSS SECTION

INFILTRATION BASIN NOT TO SCALE



MASSACHUSETTS

004

NO DATE

REVISIONS

JANUARY 13, 2023

AH / DRC

AS NOTED

DRAWN:

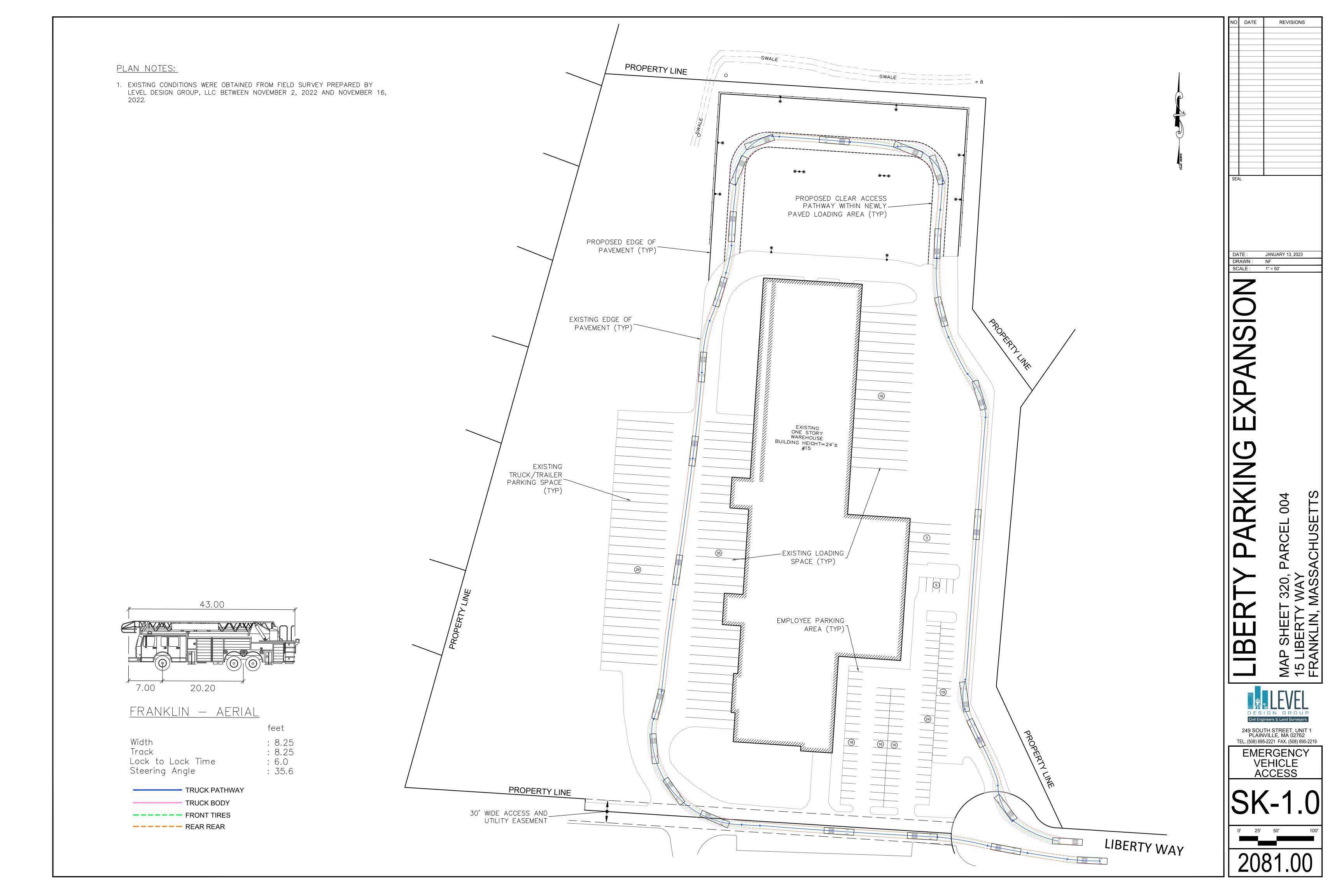
SCALE:

1 10/17/2023 RESOURCE AREA FLAGS 2 11/22/2023 REVIEW COMMENTS

3 02/01/2024 REVIEW COMMENTS

249 SOUTH STREET, UNIT 1 PLAINVILLE, MA 02762 TEL. (508) 695-2221 FAX. (508) 695-2219

> **TYPICAL DETAILS**



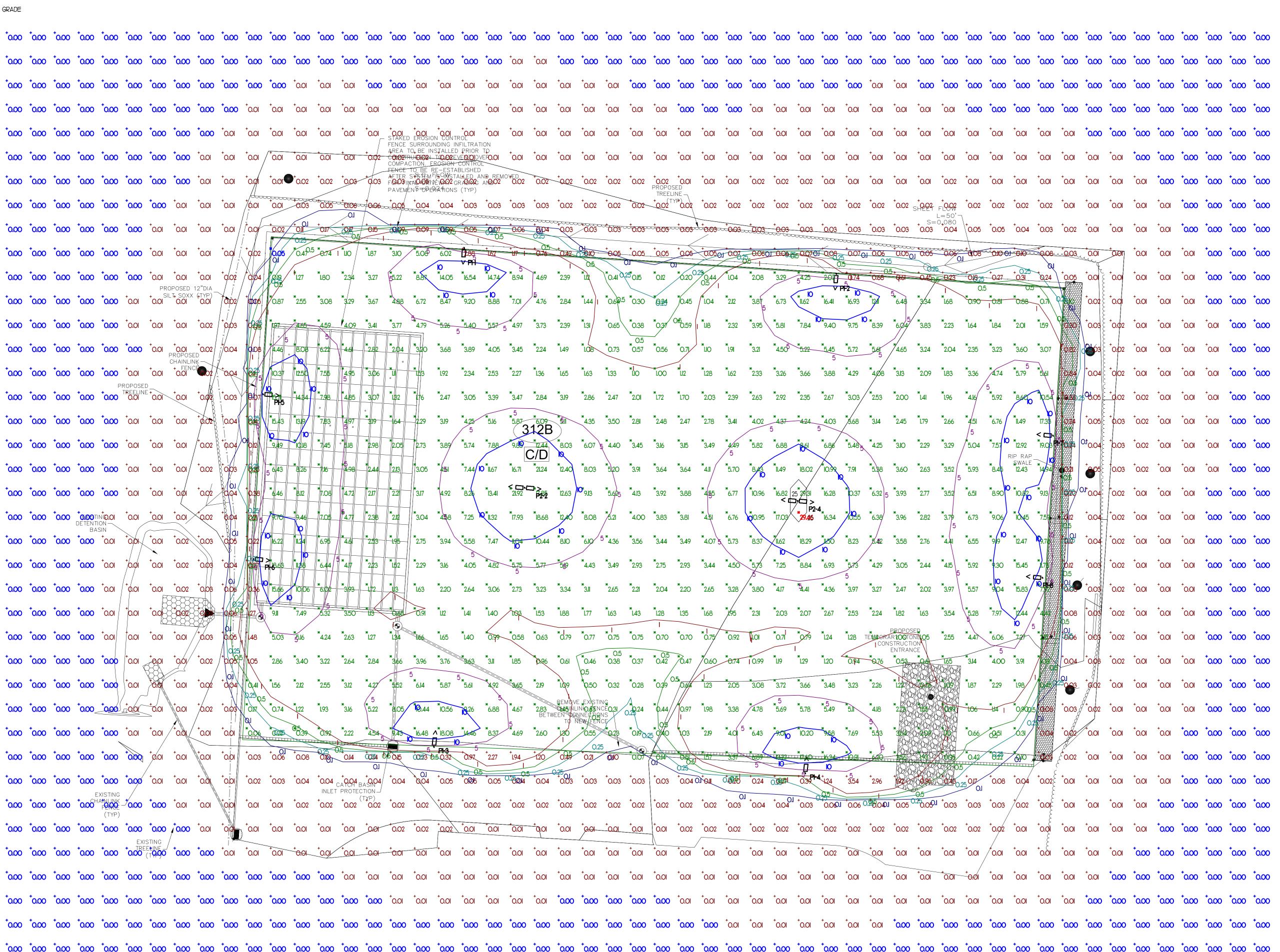
Statistics

Description Symbol Avg Max Min Max/Min Avg/Min

TRAILED BARKING X 1469 to 2946 to 0.05 to 58931 9381

Schedule									
Symbol	Label	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	Ъ	Input Power
Ģ	Pi	8	PHILIPS GARDCO	ECF-L-8OL-IA-NW-G2- BLC	EcoForm Area LED ECF - Large, 80 4000K CCT, TYPE BLC OPTIC,	LED's,	24081	1	261.0493
ĝ	P2	2	SIGNIFY GARDCO	ECF-L-80L-IA-NW-G2-4	EcoForm Area LED ECF - Large, 80 4000K CCT, TYPE 4 OPTIC, No Shie	LED' s , Id	33656	1	529.9496

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





REVISIONS:
REV.: DATE: DESCRIPTION:

LEVEL DESIGN GROUP

249 SOUTH ST., UNIT 1 PLAINVILLE, MA 02762

LIBERTY PARKING
EXPANSION

15 LIBERTY WAY FRANKLIN, MA

DRAWING TITLE

PHOTOMETRIC SITE LIGHTING

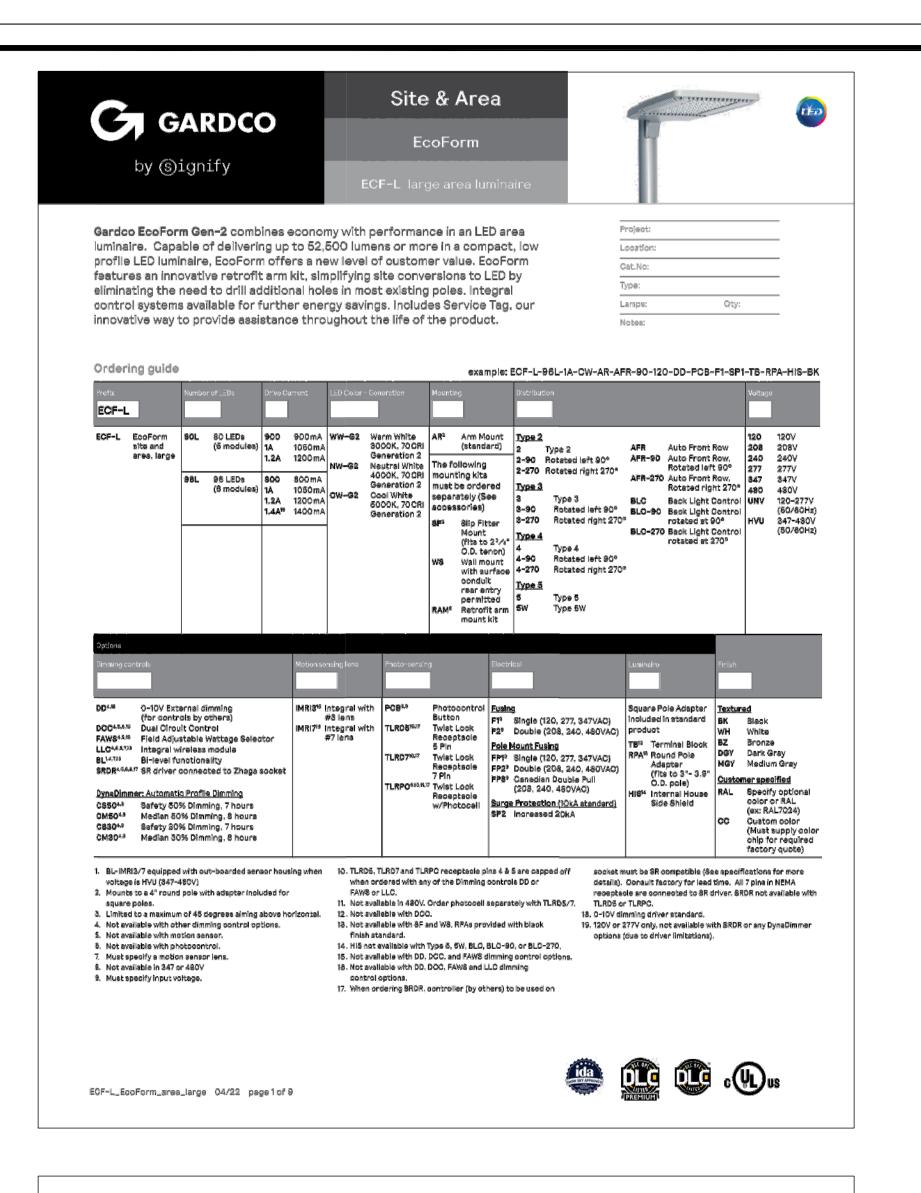
 DRAWN:
 CDO

 CHECKED:
 VAD Jr

 SCALE:
 1" = 20'-0"

 DATE:
 3/13/23

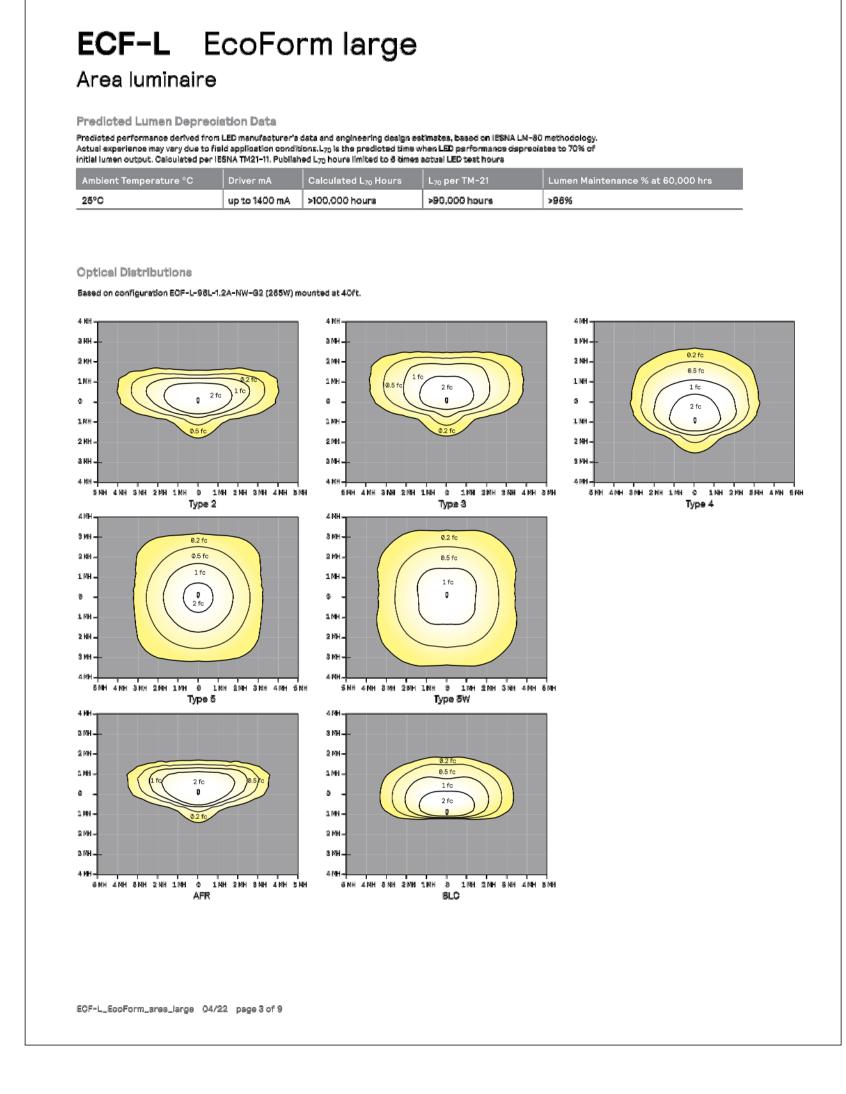
PH1.1

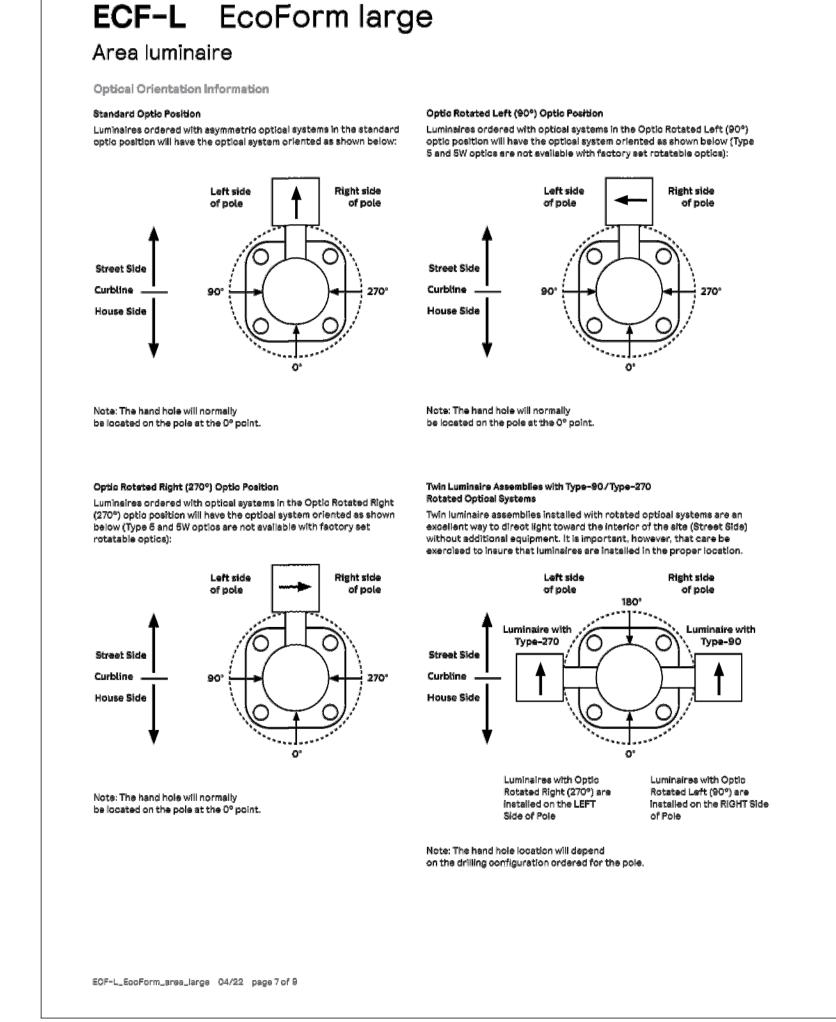


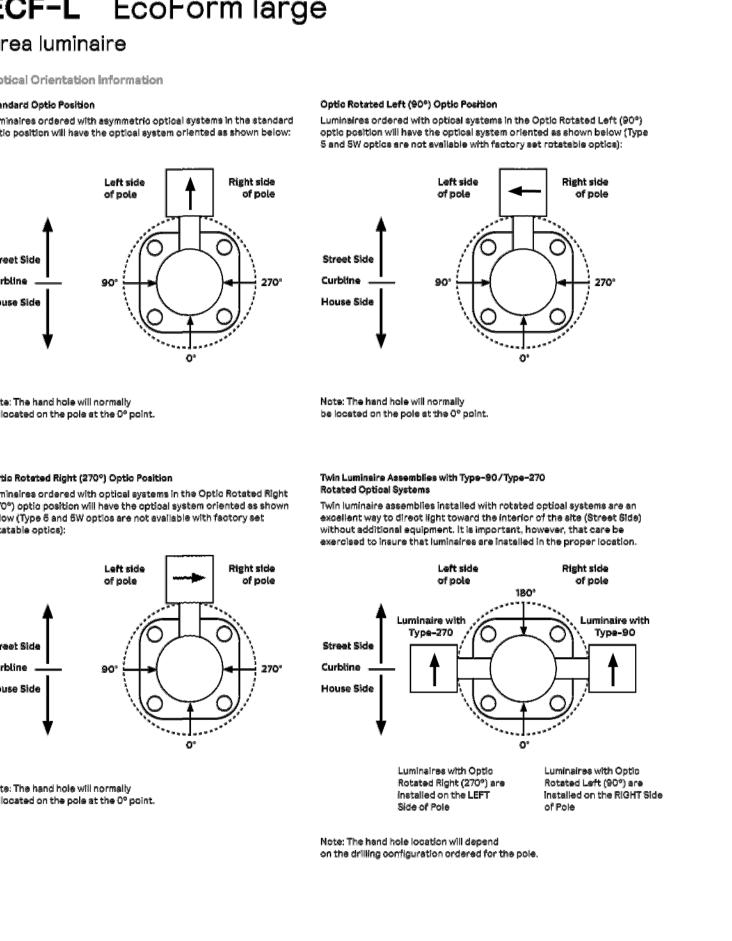
ECF-L EcoForm large

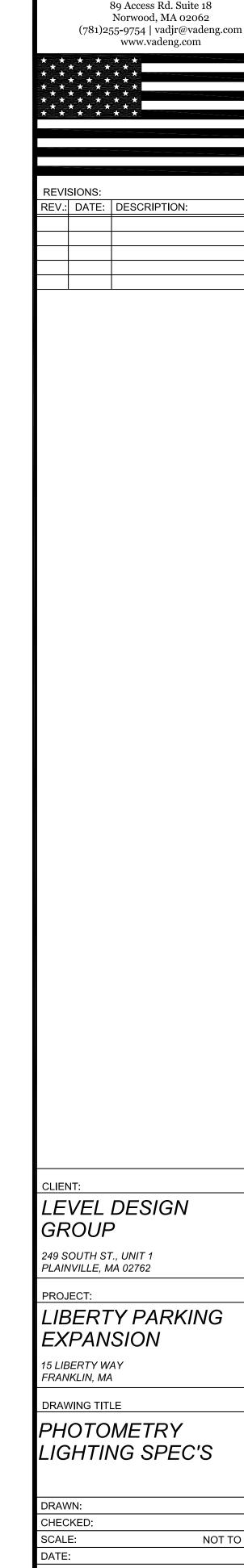
Area luminaire

3000K LED Wattage and Lumen Values









VINCENT A. DiIORIO, INC

Total Color (mA) Temp. Watts Type AFR BLC

Total Color System (mA) Temp. Watts Color Rating (LPW) Couput Rating (LPW)

Type AFR BLC

Lumen BUG Efficacy Lumen BUG Cutput Rating (LPW)

Couput Rating (LPW) ECF-L-80L-900-WW-92-x 80 900 \$000 225 29,085 B4-U0-G3 129 19,749 B1-U0-GS 89 ECF-L-80L-1A-WW-G2-x 80 1050 3000 265 32,784 B4-U0-G3 124 22,276 B1-U0-G4 85 ECF-L-SOL-1.2A-WW-G2-x 80 1200 5000 289 58,182 84-U0-G3 125 24,572 81-U0-G4 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-98L-1A-WW-G2-x 98 1050 3000 816 39,080 B4-U0-34 124 26,564 B1-U0-G4 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-92-x 98 1370 3000 422 48,542 84-U0-34 115 38,322 81-U0-95 86 4000K LED Wattage and Lumen Values LEO Average Type 2 Type 3 Type 4 Type 5 Type 5W Total Current Color System Lumen BUG Efficacy (LPW) Output Rating (LPW) ECP-L-80L-900-NW-G2-x 80 900 4000 225 29,796 B8-U0-G3 132 29,299 B8-U0-G4 130 29,840 B9-U0-G5 133 30,889 B5-U0-G4 138 30,982 B5-U0-G4 138 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 ECP-L-80L-1.22-NW-G2-x 80 1200 4000 289 87,070 84-U0-94 128 88,453 88-U0-95 126 87,125 89-U0-95 128 88,181 85-U0-94 132 27,775 85-U0-94 131 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-98L-1A-NW-G2-x 98 1050 4000 518 40.081 B4-U0-94 127 89.395 B8-U0-65 124 40.122 B9-U0-95 127 41.263 B5-U0-94 130 40.824 B5-U0-95 129 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-Q2-x 98 1370 4000 422 48,179 B4-U0-34 114 49,917 B4-U0-G5 118 49,811 B4-U0-35 117 50,847 B5-U0-G5 120 49,221 B5-U0-G5 117 Total Current Color System LEDs (mA) Temp. Watts Couput Rating (LPW) Cutput Rating (LPW) ECF-L-80L-900-MW-G2-x 80 900 4000 225 30,595 84-U0-G3 135 21,350 81-U0-G4 96 ECF-L-80L-1A-NW-G2-x 80 1050 4000 265 34,509 B4-U0-G3 130 24,082 B1-U0-G4 92 ECF-L-SOL-1.2A-NW-G2-x 50 1200 4000 289 38,085 B4-U8-G3 132 26,563 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 EGF-L-98L-1A-NW-G2-x 98 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 EGF-L-98L-1.4A-NW-G2-x 96 1370 4000 422 52,478 B4-U0-G4 124 39,055 B2-U0-G5 82 Values from photometric tests performed in accordance with IESNA LM-79 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

Total Current Color System Lumen BUG Effloacy Lumen

ECF-L-90L-900-WW-G2-x 80 900 3000 225 28.308 B3-U0-G3 128 27.334 B3-U0-G4 124 28.348 B3-U0-G4 126 29.155 B3-U0-G4 130 28.844 B5-U0-G4 128 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-92-x 80 1200 3000 289 35,217 84-U9-G4 122 34,830 53-U0-G5 120 35,289 85-U0-G5 122 36,272 85-U0-G4 125 35,886 85-UC-G4 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-98L-1A-WW-G2-x 96 1050 5000 \$18 53,058 B4-U0-G4 120 37,425 B5-U0-G5 118 38,116 B5-U0-G5 120 39,200 B5-U0-G4 124 38,788 B5-U0-G5 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-98L-1.4A-WW-G2-x 98 1370 3000 422 44,526 84-U0-94 108 45,172 84-U0-95 109 45,613 84-U0-95 108 46,848 85-U0-95 111 45,520 85-U0-95 108

PH2.1

CDO

VAD Ji

3/13/23

NOT TO SCALE

Plar	nt Schedule			Feb 5 2024
Sym.	Botanical Name	Common Name	Qty.	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

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 ½ - 2" mulch

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

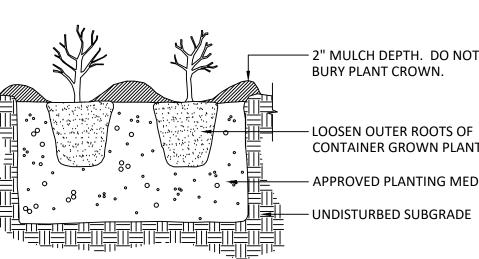
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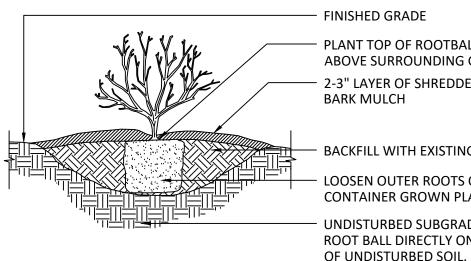
PLAN NOTES:

- 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,
- 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:
- 1. THIS PLAN SET HAS BEEN ISSUED FOR PERMITTING ONLY. A FULL CONSTRUCTION PLAN SET SHALL BE ISSUED ONCE ALL LOCAL, STATE, AND FEDERAL PERMIT APPROVALS HAVE BEEN GRANTED.



PERENNIAL/GROUNDCOVER PLANTING

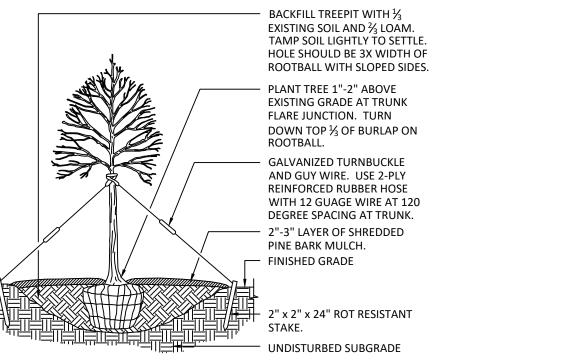
- 2" MULCH DEPTH. DO NOT **CONTAINER GROWN PLANTS** - APPROVED PLANTING MEDIUM



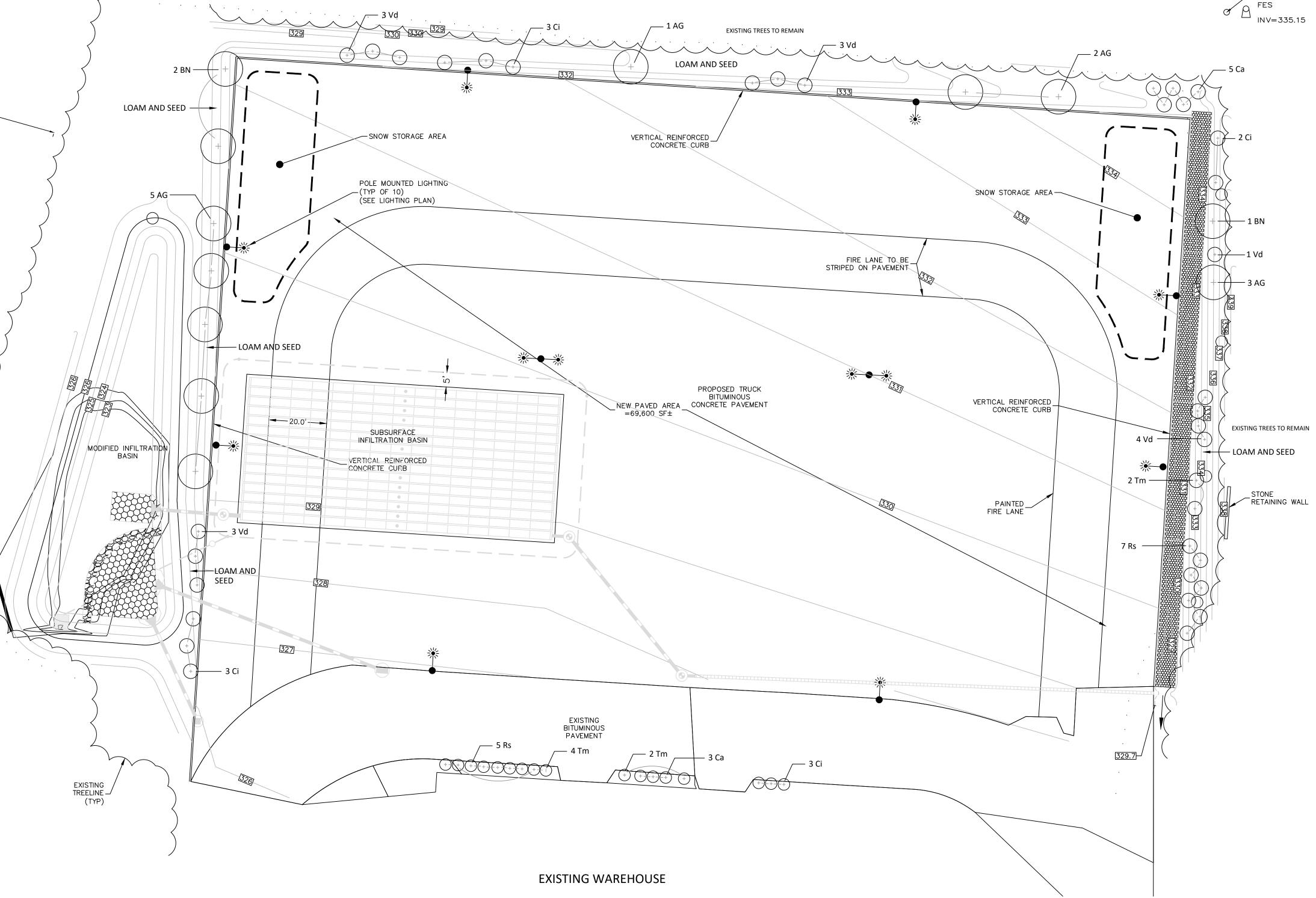
FINISHED GRADE PLANT TOP OF ROOTBALL 1-2" ABOVE SURROUNDING GRADE 2-3" LAYER OF SHREDDED PINE **BARK MULCH**

BACKFILL WITH EXISTING SOIL OOSEN OUTER ROOTS OF **CONTAINER GROWN PLANTS** UNDISTURBED SUBGRADE. SET ROOT BALL DIRECTLY ON TOP

SHRUB PLANTING DETAIL NOT TO SCALE



TREE PLANTING DETAIL



IRRIGATION NOTES

1. The Landscape Contractor shall provide a drip irrigation system for all planted islands.

2. The Landscape Contractor shall submit an irrigation plan with zone boxes, valve boxes, clock, and backflow preventer locations to the Owner. 3. Once the irrigation system has been installed, the Landscape Contractor shall provide an as-built plan to the Owner with all irrigation equipment shown on the plan, including sub-surface sleeves,

conduit and valve boxes.



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ELLIOTT BRUNDAGE

978 470 4970

elliottbrundage.com

LANDSCAPE ARCHITECTURE

190 High Plain Road Andover MA

LANDSCAPE

PLAN

10' 20'

DATE:

DRAWN:

FEB 5 2024

FES

REVISIONS