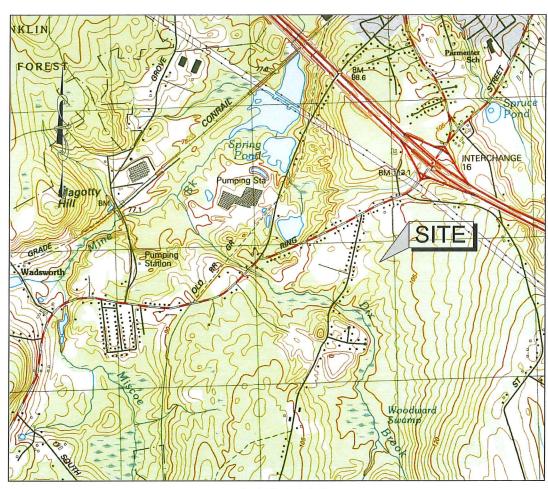
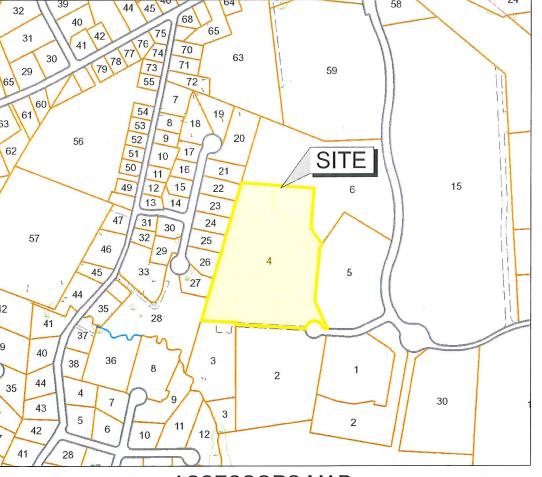
LIBERTY PARKING EXPANSION

OLIVER STREET CAPITAL 15 LIBERTY WAY FRANKLIN, MASSACHUSETTS

DATE: JANUARY 13, 2023







USGS MAP

SCALE: 1"= 1,000'±

ASSESSORS MAP

SCALE: 1"= 300'±

BECEINED

Lt : E d 1 6 - 834 EZOZ

TOWN OF FRANKLIN

APPLICANT:

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

CIVIL ENGINEER:



PROPERTY ADDRESS:

15 LIBERTY WAY FRANKLIN, MASSACHUSETTS

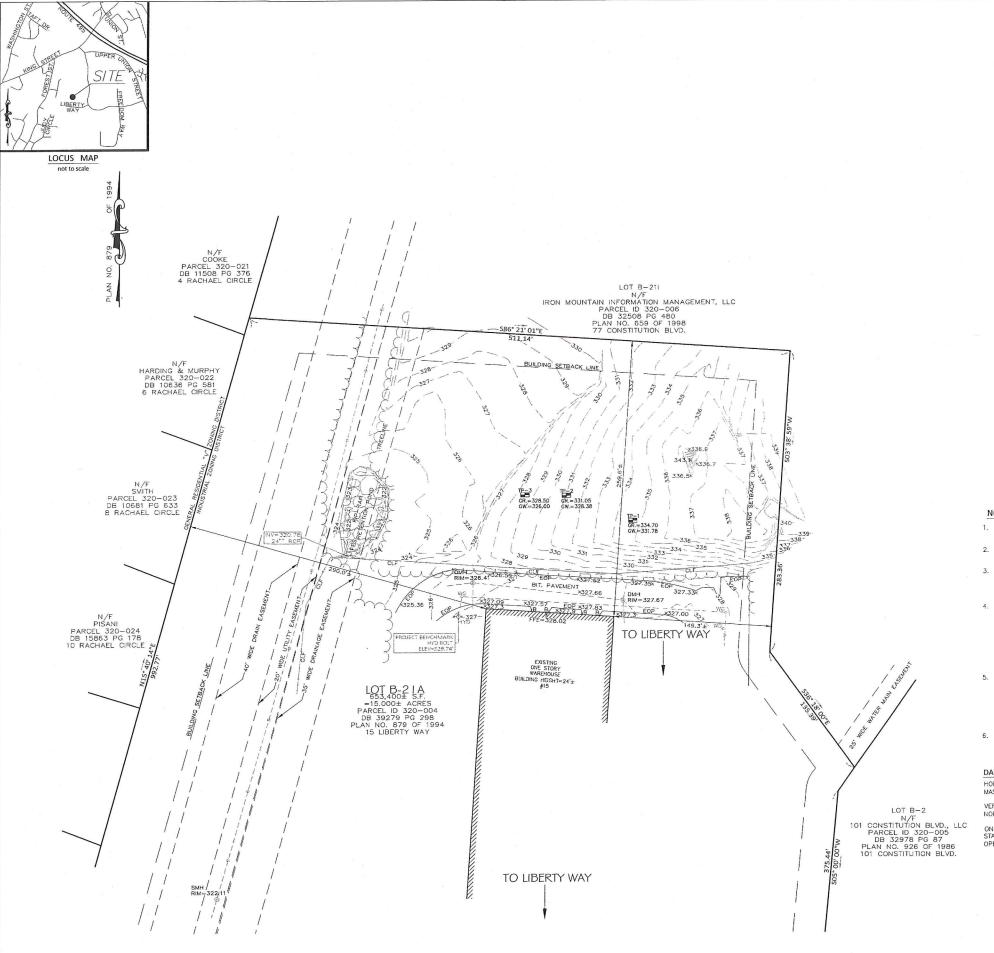
ASSESSORS MAP/PARCEL:

MAP 320, PARCEL 004

ZONING DISTRICT: INDUSTRIAL

DRAWING LIST:

| C-0.0 | COVER |
|-------|-------------------------------|
| C-1.0 | EXISTING CONDITIONS |
| C-2.0 | LAYOUT & MATERIALS |
| C-3.0 | GRADING & DRAINAGE |
| C-4.0 | EROSION CONROL PLAN |
| C-5.0 | TYPICAL DETAILS |
| C-5.1 | TYPICAL DETAILS |
| C-5.2 | TYPICAL DETAILS |



LEGEND

| В | BOLLARD |
|------|--------------------------|
| BIT. | BITUMINOUS |
| CLE | CHAIN LINK FENCE |
| -D- | UNDERGROUND DRAIN LINE |
| DB | DEED BOOK |
| DMH | DRAIN MANHOLE |
| FLEV | ELEVATION |
| EOP | EDGE OF PAVEMENT |
| FES | FLARED END SECTION |
| FE | FINISHED FLOOR ELEVATION |
| HYD | FIRE HYDRANT |
| NV | INVERT |
| N/F | NOW OR FORMERLY |
| REF | REBAR FOUND |
| -S- | UNDERGROUND SEWER LINE |
| SMH | SEWER MANHOLE |
| PG | PAGE |
| RCP | REINFORCED CONCRETE PIPE |
| -W- | UNDERGROUND WATER LINE |
| NG | 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

NOTES

- THIS SURVEY AND PLAN ARE BASED UPON AN ACTUAL ON THE GROUND INSTRUMENT SURVEY PERFORMED BETWEEN NOVEMBER 2, 2022 AND NOVEMBER 16, 2022.
- 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 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

HORIZONTAL DATUM: MASSACHUSETIS 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 IS13 (3") ROBOTIC TOTAL STATION AND WITH A SOKKIA GCX3 GPS RECEIVER USING THE MASSACHUSETTS CONTINUOUSLY OPERATING REFERENCE STATION (McCORS) RTK NETWORK.



REVISIONS

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MAP SHEET 320, PARCEL 004 15 LIBERTY WAY FRANKLIN, MASSACHUSETTS

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

EXISTING CONDITIONS

2081

ZONING DISTRICT

ZONED: INDUSTRIAL

MINIMUM BUILDING SETBACKS

SIDE=30 FEET REAR=30 FEET

DEED REFERENCES

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

PLAN REFERENCES

| ZONING REQUIREME | NTS | <u> </u> |
|---|--------------------------------------|---------------|
| ZONING DISTRICT: INDUST | TRIAL | |
| | REQUIRED | PROVIDED |
| MIN. LOT AREA | 40,000 S.F. | 653,400± S.F. |
| FRONTAGE | 175' | 946.73' |
| FRONT YARD SETBACK | 40' | 95.9'*** |
| SIDE YARD SETBACK | 30' | 149.3' |
| REAR YARD SETBACK | 30' | 259.6' |
| BUILDING COVERAGE | 70% MAX. | 14.6%** |
| IMPERVIOUS COVERAGE | 80% MAX. | 57.8%*** |
| MAX. BUILDING HEIGHT | 3 STORIES* | 1 STORY/24' |
| PARKING REQUIREMENTS | | |
| <u>USE: WAREHOUSE</u> : ONE SPACE PER 1,000 SF OF GROSS FLOOR AREA. | 95,475 SF /1,000 SF =96 SPACES | EXISTING |

- BUILDINGS UP TO 60' IN HEIGHT MAY BE PERMITTED BY A SPECIAL PERMIT
- BOILDINGS OF TO BO IN REIGHT WAT BE FERMINED STATEMENT FROM THE PLANNING BOARD.

 BUILDING AREA IS BASED ON FRANKLIN ASSESSORS RECORDS

 TAKEN FROM THE RECORD SURVEY IN ADDITION TO AERIAL MAGERY.

PLAN NOTES:

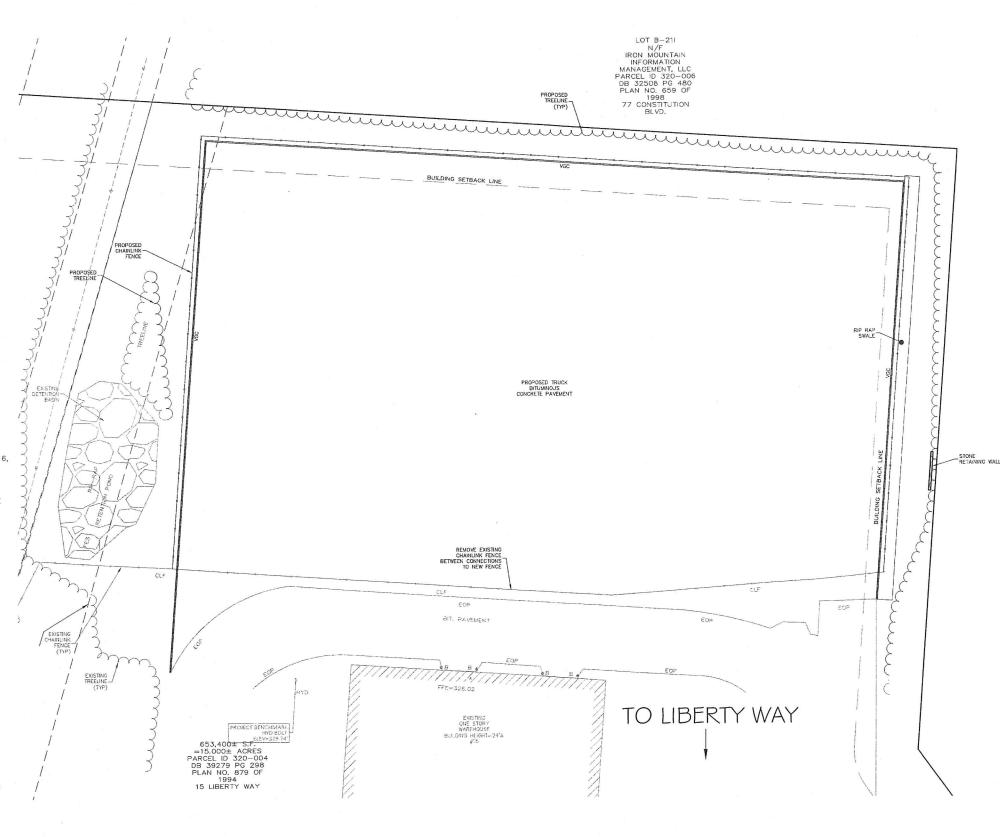
- EXISTING CONDITIONS WERE OBTAINED FROM FIELD SURVEY PREPARED BY LEVEL DESIGN GROUP, LLC BETWEEN NOVEMBER 2, 2022 AND NOVEMBER 16, 2022. SOIL TESTING COMPLETED BY ADAM P. HUNT ON NOVEMBER 16,
- 2. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES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

- 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.
- 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.
- ALL EXISTING PAVEMENT, CURB, WALKS, UTILITIES, LIGHT POLES, TREES, SHRUBS, ETC., SHALL BE REMOVED FROM THE AREAS TO BE DEVELOPED. ALL SUCH !TEMS NOT WITHIN THE WORK AREA SHALL BE PROTECTED AND UNDISTURBED.
- 5. ALL DISTURBED AREAS NOT RECEIVING IMPROVEMENTS SHALL BE LOAMED AND
- 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
- 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:

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.



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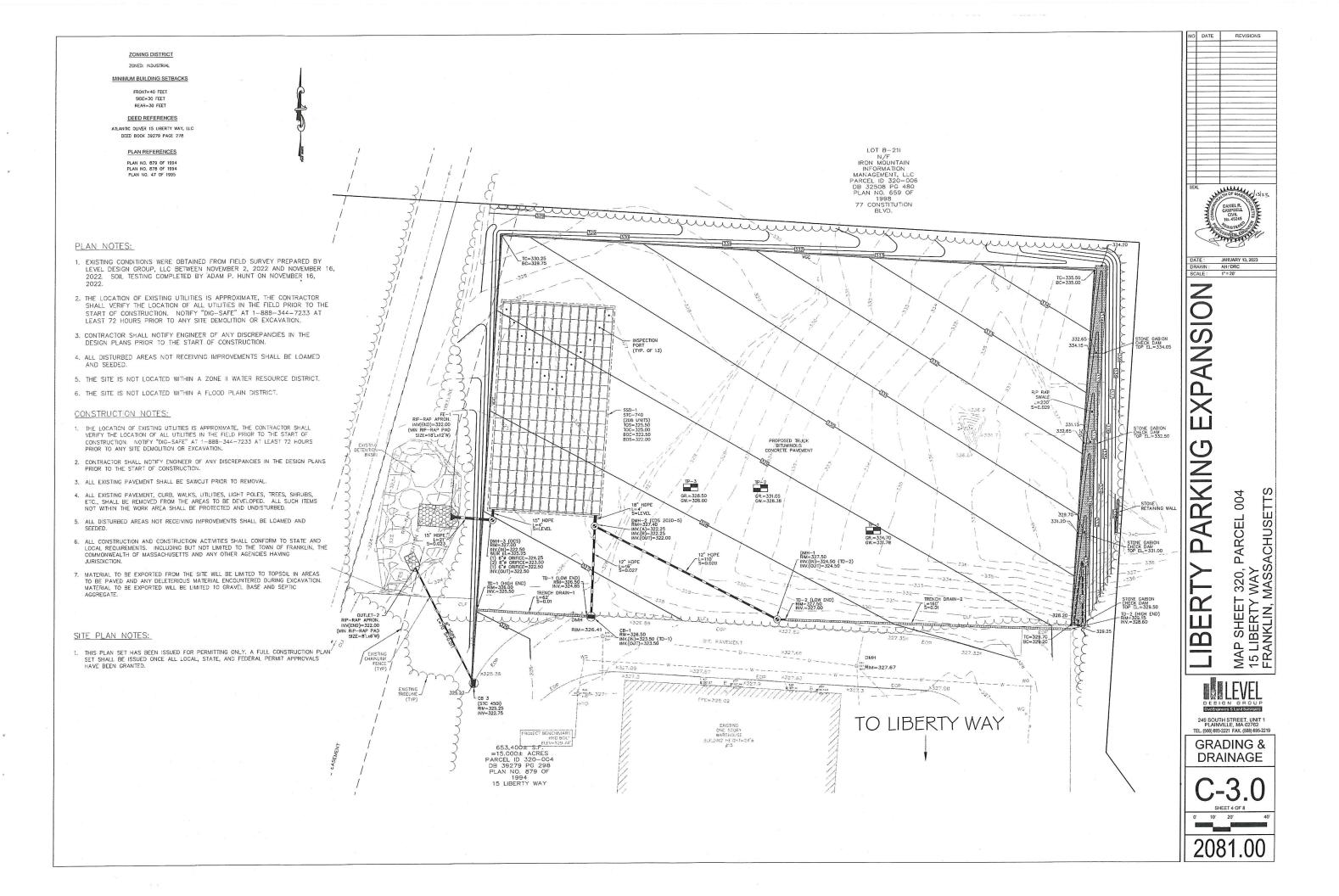
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T 320, PARCEL 004 Y WAY , MASSACHUSETTS

MAP SHEET (15 LIBERTY V FRANKLIN, M

249 SOUTH STREET, UNIT 1 PLAINVILLE, MA 02762

LAYOUT & **MATERIALS**



ZONING DISTRICT ZONED: INDUSTRIAL

MINIMUM BUILDING SETBACKS

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

DEED REFERENCES

ATLANTIC CLIVER 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

EROSION CONTROL PLAN NOTES:

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

SLISOXX IS TO BE VISUALLY INSPECTED AFTER EVERY RAIN FALL AND REPAIRS MADE AS REQUIRED TO THE SILTATION CONTROL FRICE AND STRAW WATLE AFTER EACH RAIN FALL CLEARQUT OF ACQUIMILATED SECURITY BEHIND THE WATTLE IS NECESSARY IF % OF THE ORIGINAL HEIGHT OF THE WATTLE APPEARS TO HAVE BEEN NUMBATED WITH SEDMENT.

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 PORT FOR THE PORT OF THE

STABILIZATION OF SOILS

UPON COMPLETION AND ACCEPTANCE OF SITE PREPARATION AND INSTALLATION OF EROSION, RUNOFF, AND SEDIMENT CONTINUES, AND TEMPORARY POLLUTION FREVENTION MEASURES, THE OPERATOR SHALL INSTALLATIONARY OF REMAINENT STABLIZATION 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 EROSON 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 TEMPOVAL.

ONLY AREAS THAT CAN BE REASONABLY EXPECTED TO HAVE ACTIVE CONSTRUCTION WORK BEING PERFORMED ONLY AREAS THAT CAN BE REASONABLY EXPECTED TO HAVE ACCUSE CONSTRUCTIVE VIOLENCE BEING FERRORGED WITHIN 14 DAYS OF DISTURBANCE WILL BE CLEARED/GRUBED AT ANY ONLY TIME. IT IS NOT ACCEPTABLE TO GRUB AND STRIP TOR SOL. THE ENTIRE CONSTRUCTION SITE IF PORTIONS WE. 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/CRUBBED AT ANY ONE TIME. IT IS NOT ACCEPTABLE TO GRUB AND STRIP TOP SOL THE ENTIRE CONSTRUCTION STIPE FOR ACTIVE WITHIN THE 14-DAY THE FRAME. PROPER PHASING OF CLEARING AND GRUBBING ACTIVITES SHALL INCLUDE TEMPORARY STABILZATION 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 WHITER SEASON. THE CONTRACTOR SHALL INITIALE APPROPRIATE VECETATIVE PRACTICES ON ALL DISTURBED AREAS IN AREAS OF SIETE SLOPES AS SOON AS POSSIBLE BUT NOT MORE THAN FOUNTEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMAHENTLY CEASED, UNLESS THE ACTIVITY IS TO RESUME WITHIN TWENTY-ONE (27) DAYS. ONCE AN SIETE 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 7 BY WEIGHT

ANNUAL RYE GRASS 40

PERENNAL RYE GRASS 60 TYPE ANNUAL RYE GRASS PERENNIAL RYE GRASS

STORMWATER INLET PROTECTION

PRIET 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 & ZOR CATCH BASINS THAT ARE OPERATIONAL DURING CONSTRUCTION AND HAVE THE POTENTIAL TO RECEIVE SEDIMENT—LADEN STORMWATER FLOW FROM THE CONSTRUCTION SITE MUST BE PROTECTED USING CONTROL MEASURES OUTLINED IN THE STORMWATER POLLUTION PREVENTION PLAN. FROSION CONTROL FERSE 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.

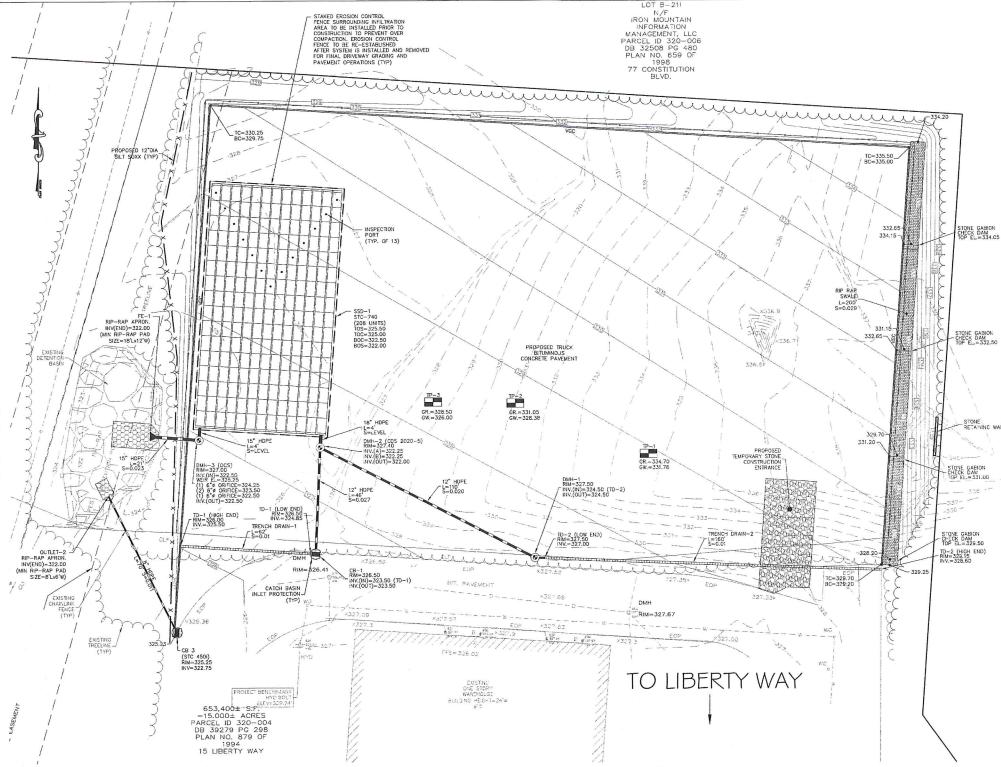
MAINTENANCE — THE OPERATOR MUST CLEAN, OR REMOVE AND REPLACE THE INLET PROTECTION MEASURES AS SEDIMENT ACCUMULATES, THE FILTER BECOMES CLOGGED, AND/OR AS PERFORMANCE IS COMPROVISED. ACCUMULATED SEDIMENT ADJACENT TO THE INLET PROTECTION MEASURES SHOULD BE REMOVED BY THE END OF THE SAME WORK DAY IN WHICH IT IS FOUND OR BY THE END OF THE FOLLOWING WORK DAY IF REMOVAL BY THE SAME WORK DAY IS NOT FEASSILE.

INFILTRATION BASINS — ALL AREAS CONTAINING INFILTRATION BASINS (ABOVE OR 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 ON—LINE FOR STORWMATER MANAGEMENT OF THE STABILIZED SITE.

CONSTRUCTION ENTRANCES

CONSTRUCTION ENTRANCES SHALL BE ESTABLISHED PRIOR TO REVOVAL OF EXISTING DRIVEWAY PAVEMENT TO BE USED IN CONJUNCTION WITH THE STABLIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF SEDIMENT TRACKING OFF THE PROJECT. ANY CONSTRUCTION SITE ACCESS POINT MUST EMPLOY THE CONTROL MEASURES ON THE APPROVED SITE PLANS AND IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN. CONSTRUCTION STATEMENTS SHALL BE USED IN CONJUNCTION WITH THE STABLIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF MUD PROCEED UP BY CONSTRUCTION STRUCTION FOR THE STABLIZATION OF CONSTRUCTION ACCESS ROADS SHALL BE CONSTRUCTED PRIOR TO ANY ROADWAY ACCEPTING CONSTRUCTION TRAFFIC

THE SITE OWNER AND OPERATOR MUST WILL RESTRICT VEHICLE USE TO PROPERLY DESIGNATED EXIT POINTS, USE PROPERLY DESIGNED AND CONSTRUCTED CONSTRUCTION ENTRANCES AT ALL POINTS THAT EXIT ONTO PAVED ROADS SO THAT SEDMENT REMOVAL OCCURS PRIOR TO VEHICLE EXIT. WHEN AND WHERE NECESSARY, USE ADDITIONAL CONTROLS TO REMOVE SEDMENT FROM VEHICLE TIERS PRIOR TO EXT (I.E. WHELL WASHING RACKS, RUMBLE STRIPS, AND RATTLE PLATES). WHERE SEDIMENT HAS SEEN TRACKED OUT FROM THE CONSTRUCTION SITE ONTO THE SUPPRACE OF OFFSET STRIETS, OTHER PAVED AREAS, AND SIEWAULS, THE DEPOSITED SEDIMENT MUST BE REMOVED BY THE BAD OF THE SAME WORK DAY IN WHICH THE TRACK OUT OCCURS. TRACK-OUT MUST BE REMOVED BY SWEEPING, SHOVELING, OR VACULUMING THESE SUFFACES, OR BY USING OTHER SIMILARLY EFFECTIVE MEANS OF SEDIMENT REMOVAL.



STOCKPILE CONTAINMENT

SHALL BE USED ON-SITE TO MINIMIZE OR ELIMINATE THE DISCHARGE OF SOIL, TOPSOIL, BASE MATERIAL OR RUBBLE, FROM ENTERING DRAINAGE SYSTEMS OR SURFACE WATERS. ALL STOCKPILES MUST BE LOCATED WITHIN THE LIMIT OF DISTURBANCE, PROTECTED FROM RUN-OW WITH THE USE OF TEMPORARY SEDMENT BARRIERS AND PROVIDED WITH COVER OR STABLISHED TO AVOD CONTACT WITH PRECUPITATION AND WIND WHERE AND WHEN PRACTICAL. STOCK PILE WARRASEMENT CONSISTS OF PROCEDURES AND PRACTICES DESIGNED TO MINIMIZE OR ELIMINATE THE DISCHARGE OF STOCKPILED MATERIAL. (SOIL, TOPSOIL, BASE MATERIAL, RUBBLE) FROM ENTERING DERBINS COMPOSED, IN WHOLE OR IN PART, OF SEDMENT OR SOIL, YOU MUST COMPLY WITH THE FOLLOWING REQUIREMENTS — LOCATE PILES WITHIN THE DESIGNATED LIMITS OF INSTRUBANCE OUTSIDE OF THE 100-FOOT BUFFER ZONE, PROTECT FROM CONTACT WITH STORMWATER (INCLUDING RUN-ON) USING A TEMPORARY PERINETER SEDMENT BARRIER; WHERE PRACTICABLE, PROVIDE COVER OR APPROPRIATE TEMPORARY VEGITATIVE OR STRUCTURAL STABLIZATION TO AVOD DIRECT CONTACT WITH PRECIPITATION OR TO MINIMIZE SEDMENT DISCHARGE, REVER HOSE DOWN OR SWEEP SOIL OR SEDMENTAL TO PAYMENT OR OTHER INFERROUS SUFFACES INTO ANY STORMWATER CONCEVANCE, STORY DRAIN INLET, OR SURFACE WATER; TO THE MAXIMUM EXTENT PRACTICABLE, CONTAIN AND SECURELY PROTECT FROM WIND.

GENERAL CONSTRUCTION SEQUENCING

- INSTALL EROSION AND SEDIMENT CONTROLS;
 CLEAR, GRUB AND ROUGH GRADE AREAS SHOWN TO BE
- REGRADED;
 3. DEMO EXISTING FEATURES IN WORK AREA NOT SHOWN TO BE SAVED AND CUT AND CAP UTILITIES AS NEEDED;
 4. INSTALL STORMWATER MANAGEMENT SYSTEM AND SITE UTILITIES.
- INSTALL BINDER COAT PAVING:
- INSTALL LANDSCAPING;
 FINE GRADE SITE AND LOAM AND SEED ALL DISTURBED
- 8. INSTALL TOP COAT PAVEMENT; 9. PROJECT CLOSE OUT.

PLAN NOTES:

- 1. EXISTING CONDITIONS WERE OBTAINED FROM FIELD SURVEY 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 SYSTEM.
- THE LOCATION OF EMSTING UTILITIES IS APPROXIVATE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE STATE 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.

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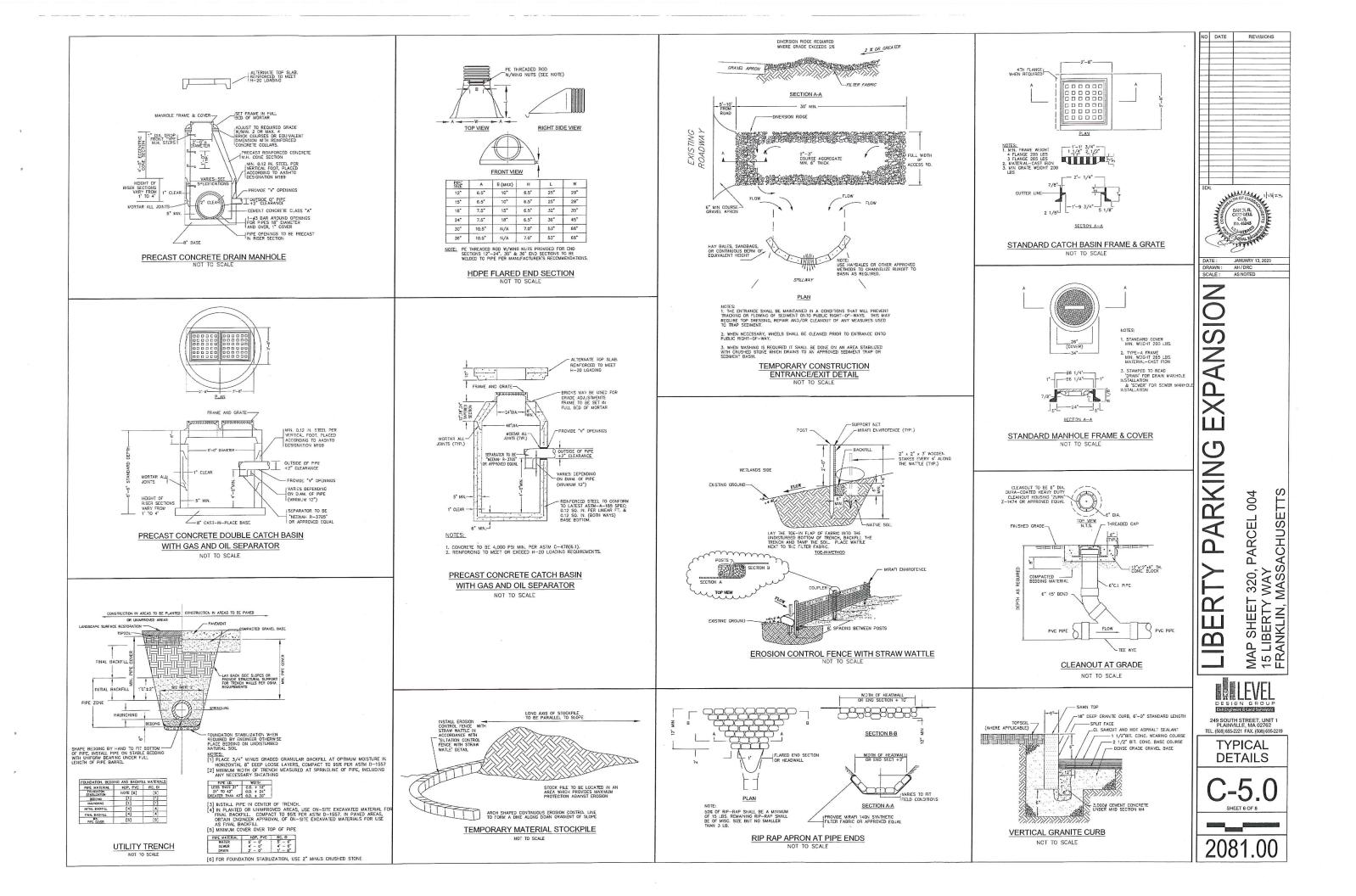
MAP SHEET: 15 LIBERTY V FRANKLIN, N

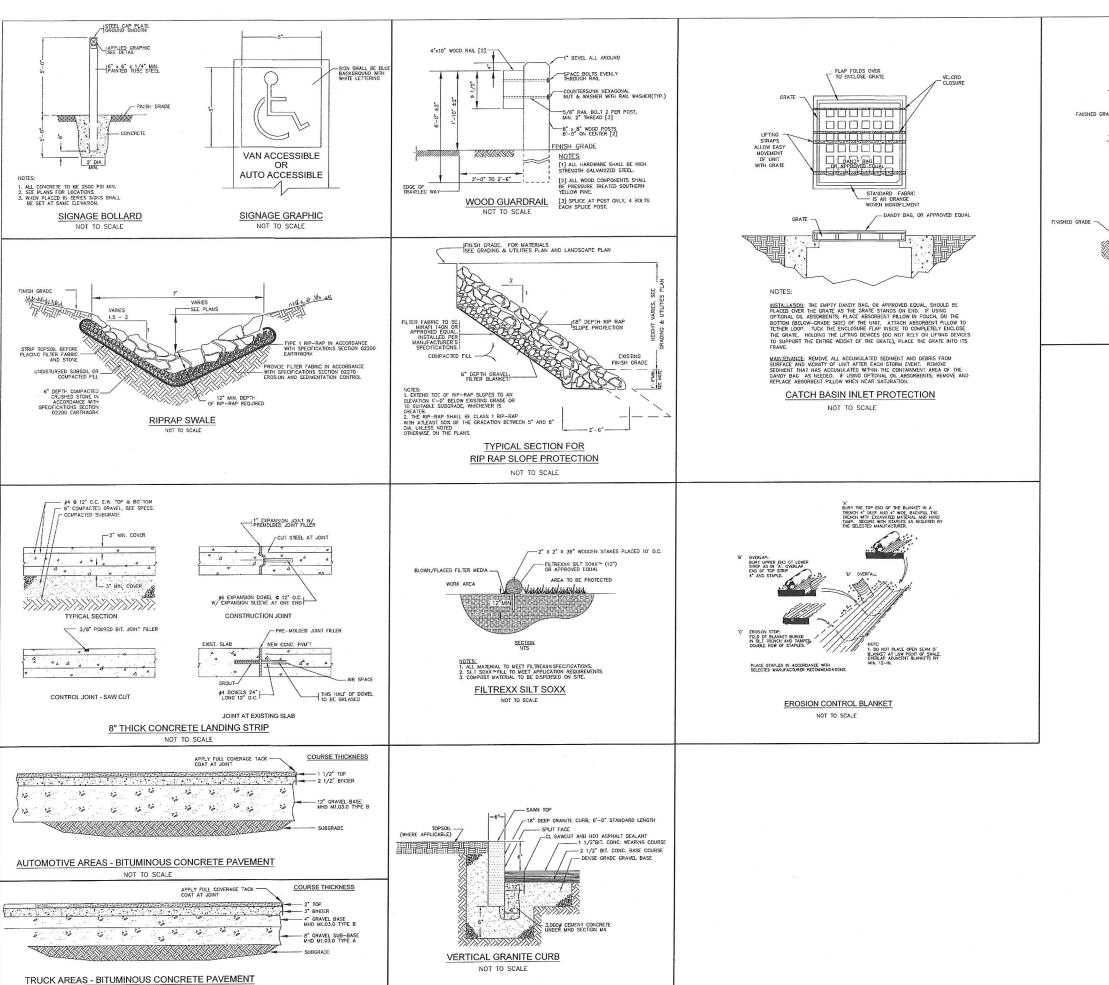
249 SOUTH STREET, UNIT PLAINVILLE, MA 02762

EROSION CONTROL

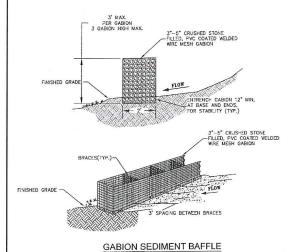
SHEET 5 OF 8

2081





NOT TO SCALE





SCALE: AS NOTED

LIBERTY PARKING EXPANSION

MAP SHEET (15 LIBERTY V FRANKLIN, M

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PARCEL (

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

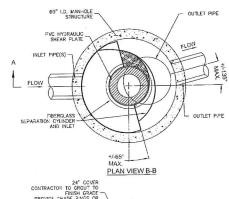
TYPICAL DETAILS

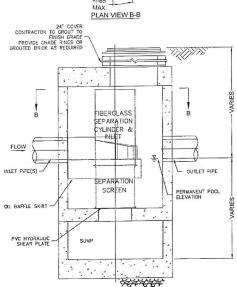
C-5.1

2081.00

GENERAL NOTES

- CONTRACTOR TO ADO CONT SEALANT EFFICIENT ALL STRUCTURE SECTIONS, AND ASSERBLE STRUCTURE
 CONTRACTOR TO PROMEE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTIS WITH ELEVATIONS CONTRACTOR TO TAKE APPROPRIET MEASURES TO ASSURE USET IS WATTER TOWN, HOLDING WATER TO FLOWING INVERTIS AND GROUTED THAT ALL JOINTS ELLOW PIPE INVERTIS ARE GROUTED.

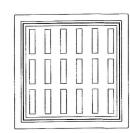




ELEVATION VIEW

STORM WATER TREATMENT UNIT

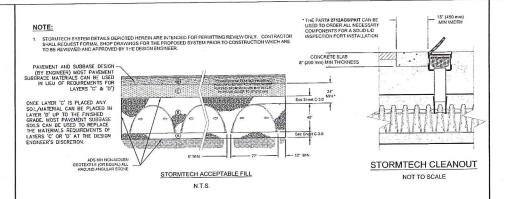




FRAME AND COVER (DIAMETER VARIES)

FRAME AND GRATE (24" SQUARE) N.T.S.

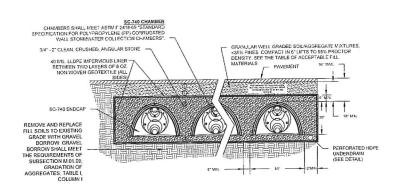
CDS STORMWATER TREATEMENT UNITS
NOT TO SCALE



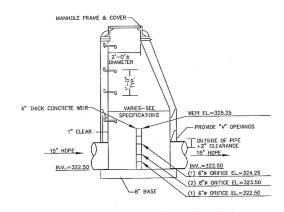
| M | ATERIAL LOCATION | DESCRIPTION | AASHTO M43 DESIGNATION' | COMPACTION/DENSITY REQUIREMENT |
|---|---|---|---|---|
| | FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXBLE PAVEMENT OR UNPAVED FINISHED BRALE ABOVE. NOTE THAT PAVEMENT SUBBASE WAY BE PART OF THE D' LAYER. | ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS. | N/A | PREPARE PER ENGNEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS. |
| © | FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" [610 mm] ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THIS LAYER. | GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, < 35% FINES, MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER. | 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10 | PROCTOR DENSITY. |
| ® | EMBEDMENT STONE SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE TO THE 'C' LAYER ABOVE. | CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SIZE DISTRIBUTION BETWEEN 3/4 - 2 INCH [19 - 51 mm] | 3, 357, 4, 467, 5, 56, 57 | NO COMPACTION REQUIRED. |
| A | FOUNDATION STONE BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER. | CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SIZE DISTRIBUTION BETWEEN 3/4 - 2 INCH [19 - 51 mm] | 3, 35, 4, 467, 5, 56, 57 | PLATE COMPACT OR ROLL TO ACHIEVE A 95% STANDARD PROCTOR DENSITY 2. |

PLEASE NOTE:

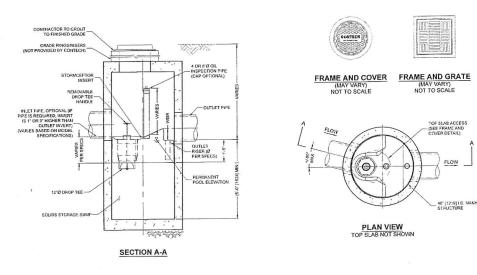
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR FOR EXAMPLE, A SPECIFICATION FOR 45 STONE WOULD STATE: CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE: 2. AS AN ALTERNATE TO PROCTOR TESTING AND FIELD DENSITY MEASUREMENTS ON OPEN GRADED STONE, STORMTECH COMPACTION REQUIREMENTS ARE MET FOR "A" LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9 [229 mm] (MAX) LIFTS USING TWO FULL COVERAGES WITH AN APPROPRIATE COMPACTOR.



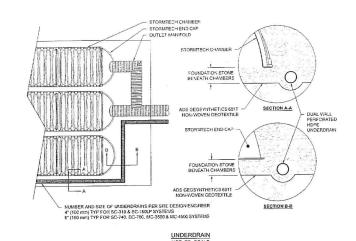
STORMTECH SC-740 SYSTEM LAYOUT NOT TO SCALE



DRAIN MANHOLE-3 W/OUTLET STRUCTURE



STORMCEPTOR TREATMENT UNITS NOT TO SCALE



RTY BE

PARKING EXPANSION

MAP SHEET 320, PARCEL 004 15 LIBERTY WAY FRANKLIN, MASSACHUSETTS DESIGN GROUP

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

TYPICAL DETAILS

2081.00

| Pla | nt Schedule | | | Mar. 2, 2023 |
|-------|---------------------------------|--------------------------------|--------|-----------------|
| Sym. | Botanical Name | Common Name | Qty. | Size, Comments |
| Trees | | | | |
| AG | Amelanchier 'Autumn Brilliance' | Autumn Brilliance Serviceberry | 10 | 8-10' BHB m/s |
| BN | Betula nigra 'Heritage' | Heritage River Birch | 3 | 12-14' B+B, m/s |
| Shrub | S | | •••••• | <u></u> |
| 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" |
| ٧d | Viburnum dentatum | Arrow wood 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.

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PLAN NOTES:

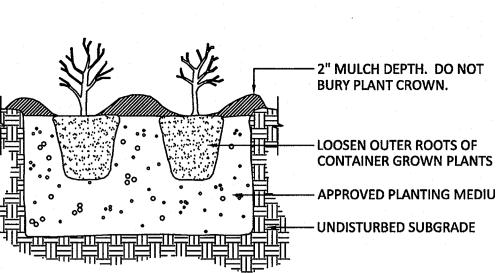
- EXISTING CONDITIONS WERE OBTAINED FROM FIELD SURVEY PREPARED BY LEVEL DESIGN GROUP, LLC BETWEEN NOVEMBER 2, 2022 AND NOVEMBER 16, 2022. SOIL TESTING COMPLETED BY ADAM P. HUNT ON NOVEMBER 16,
- 2. THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES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



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 LOOSEN OUTER ROOTS OF **CONTAINER GROWN PLANTS**

> UNDISTURBED SUBGRADE. SET **ROOT BALL DIRECTLY ON TOP** OF UNDISTURBED SOIL.

EXISTING SOIL AND 3/4 LOAM. TAMP SOIL LIGHTLY TO SETTLE. HOLE SHOULD BE 3X WIDTH OF ROOTBALL WITH SLOPED SIDES. PLANT TREE 1"-2" ABOVE PINE BARK MULCH. FINISHED GRADE

EXISTING GRADE AT TRUNK FLARE JUNCTION. TURN DOWN TOP 1/2 OF BURLAP ON GALVANIZED TURNBUCKLE AND GUY WIRE. USE 2-PLY REINFORCED RUBBER HOSE WITH 12 GUAGE WIRE AT 120 DEGREE SPACING AT TRUNK. - 2"-3" LAYER OF SHREDDED 2" x 2" x 24" ROT RESISTANT

UNDISTURBED SUBGRADE

MARCH 6, 2023

REVISIONS

1" = 20'

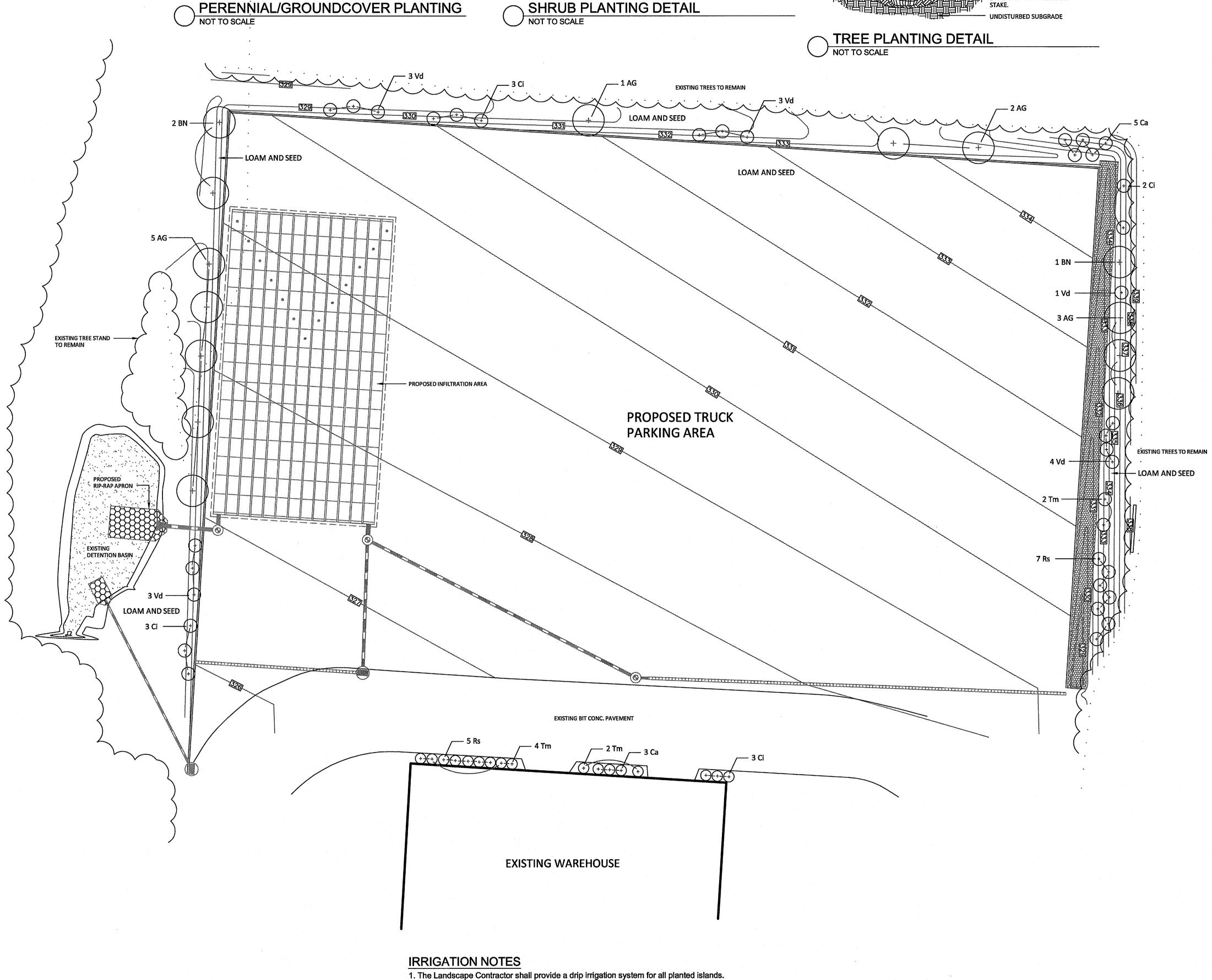
DRAWN: SCALE:

ELLIOTT **BRUNDAGE** LANDSCAPE ARCHITECTURI

978 470 4970 190 High Plain Road Andover MA elliottbrundage.com

LANDSCAPE PLAN

SHEET 1 OF 1

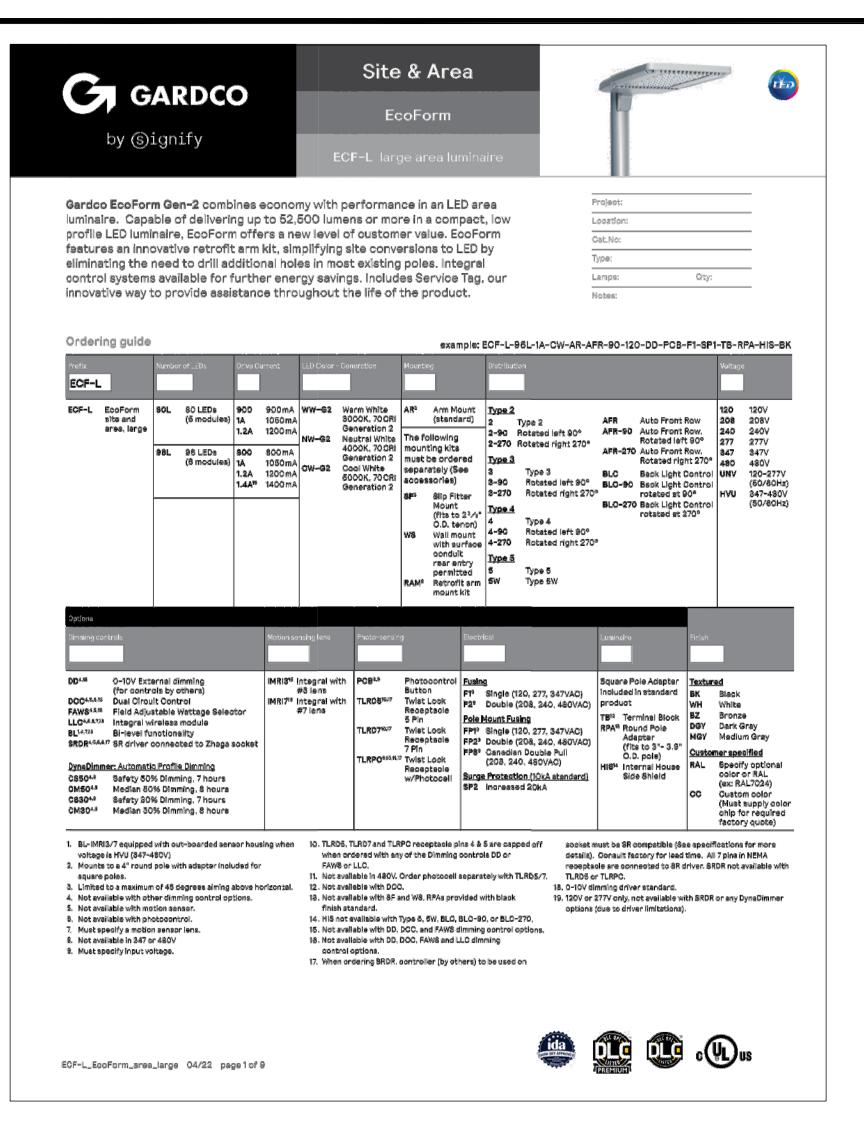


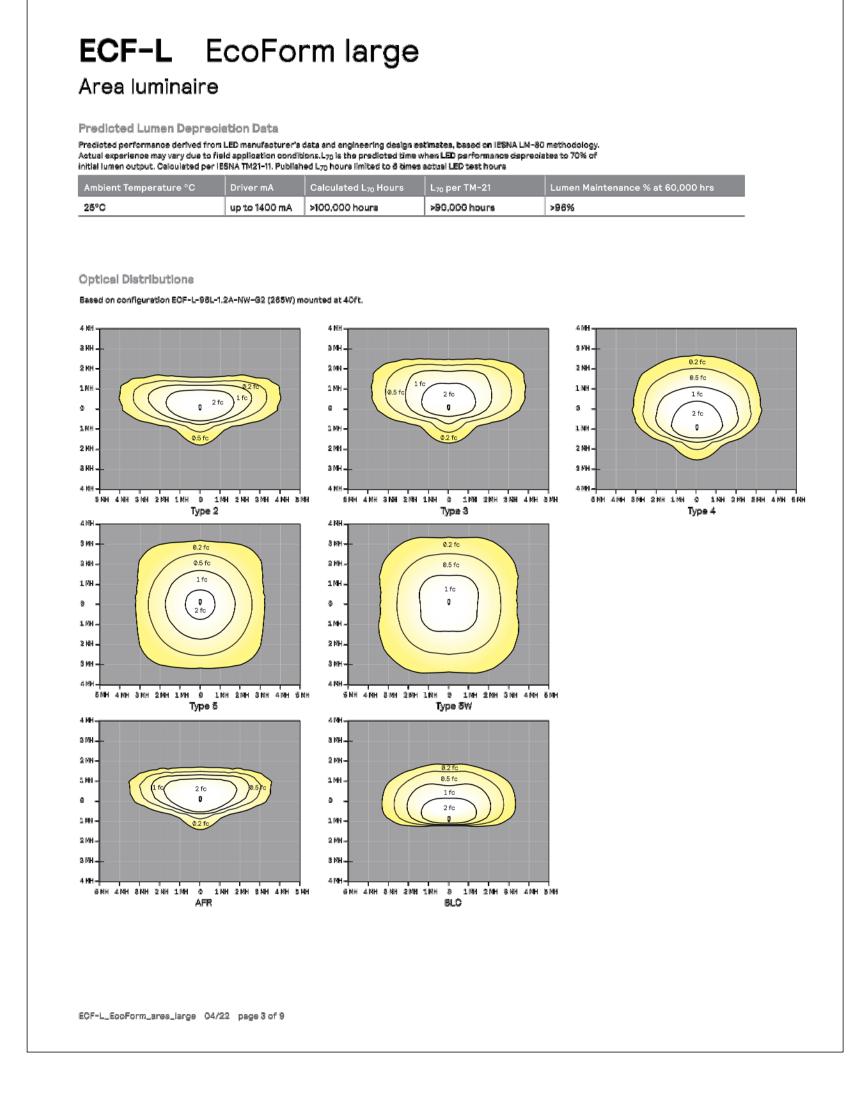
2. The Landscape Contractor shall submit an irrigation plan with zone boxes, valve boxes, clock, and backflow preventer locations to the Owner.

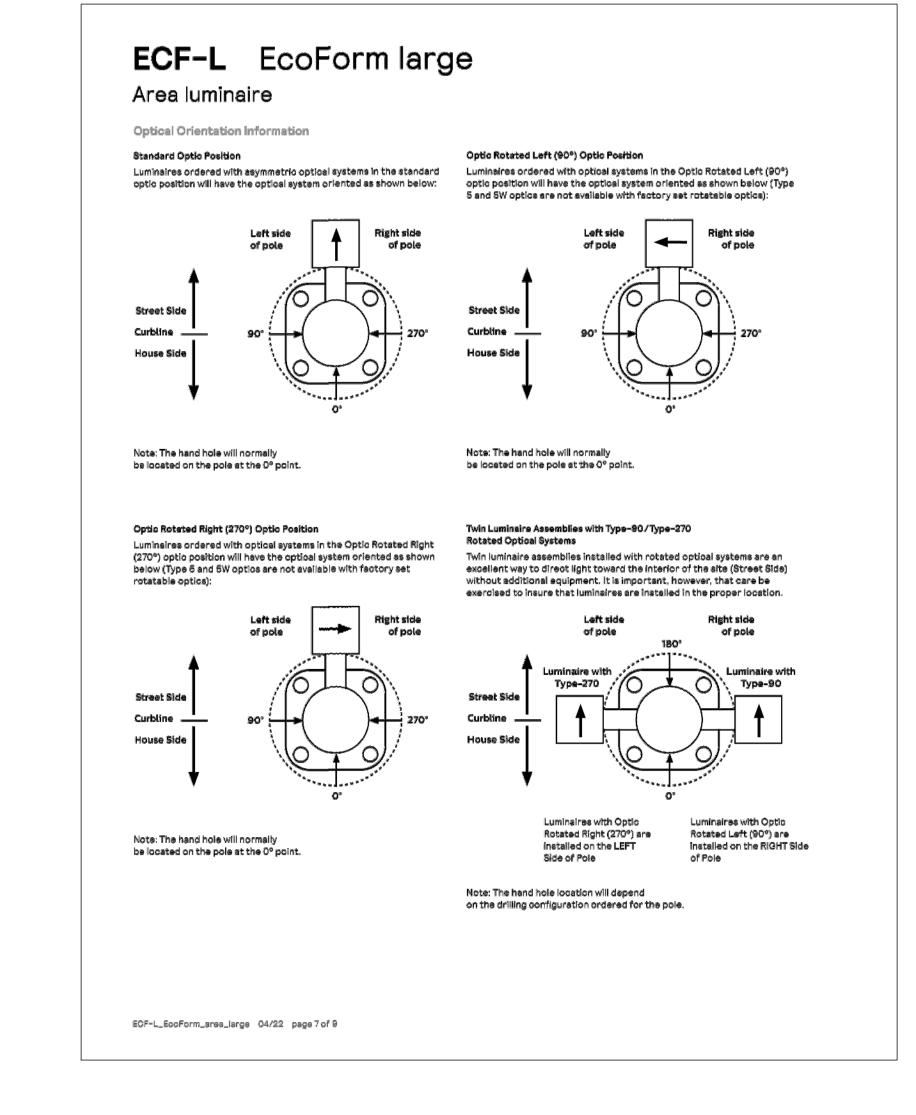
3.Once the irrigation system has been installed, the Landscape Contractor shall provide an as-built plan to the Owner with all irrigation

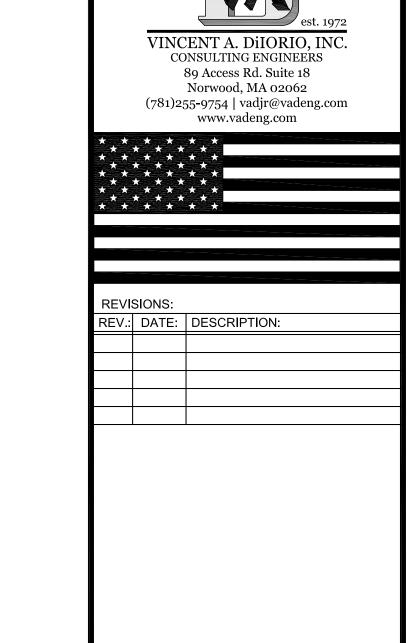
equipment shown on the plan, including sub-surface sleeves.

conduit and valve boxes.









LEVEL DESIGN GROUP 249 SOUTH ST., UNIT 1

PLAINVILLE, MA 02762

LIBERTY PARKING EXPANSION

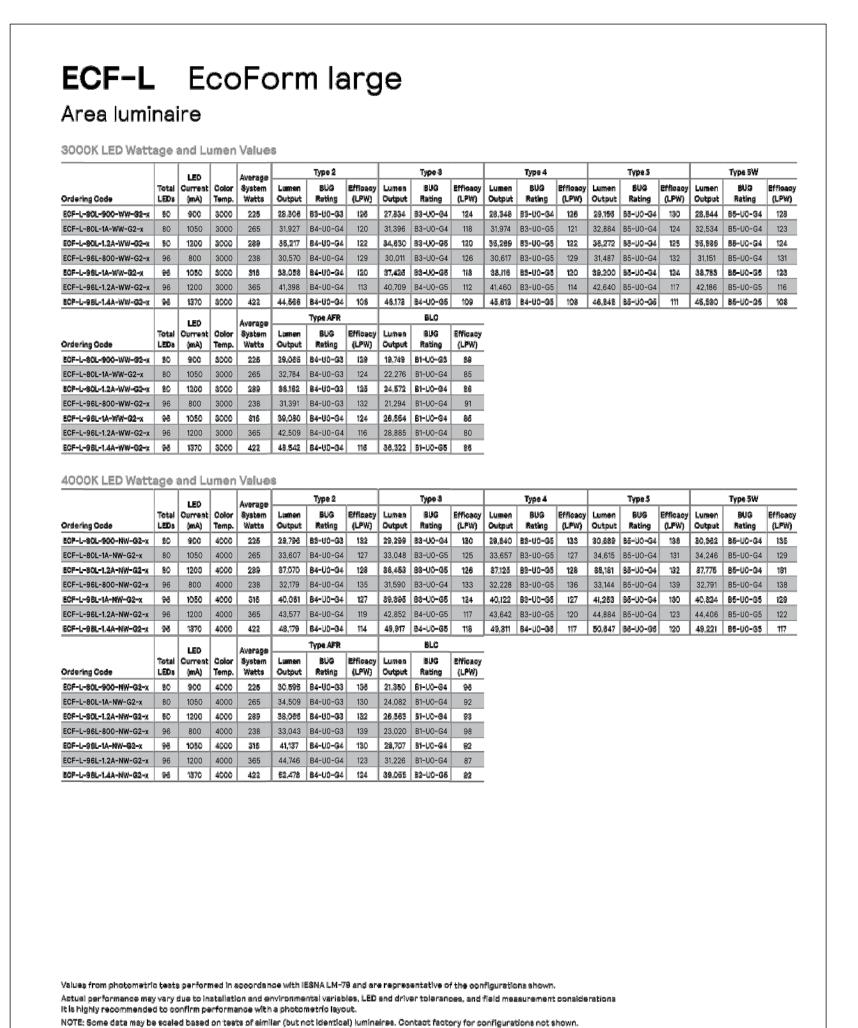
15 LIBERTY WAY FRANKLIN, MA

DRAWING TITLE

PHOTOMETRY LIGHTING SPEC'S

DRAWN: CDO CHECKED: VAD Ji SCALE: NOT TO SCALE DATE: 3/13/23

PH2.1



ECF-L_EcoForm_area_large 04/22 page 4 of 9

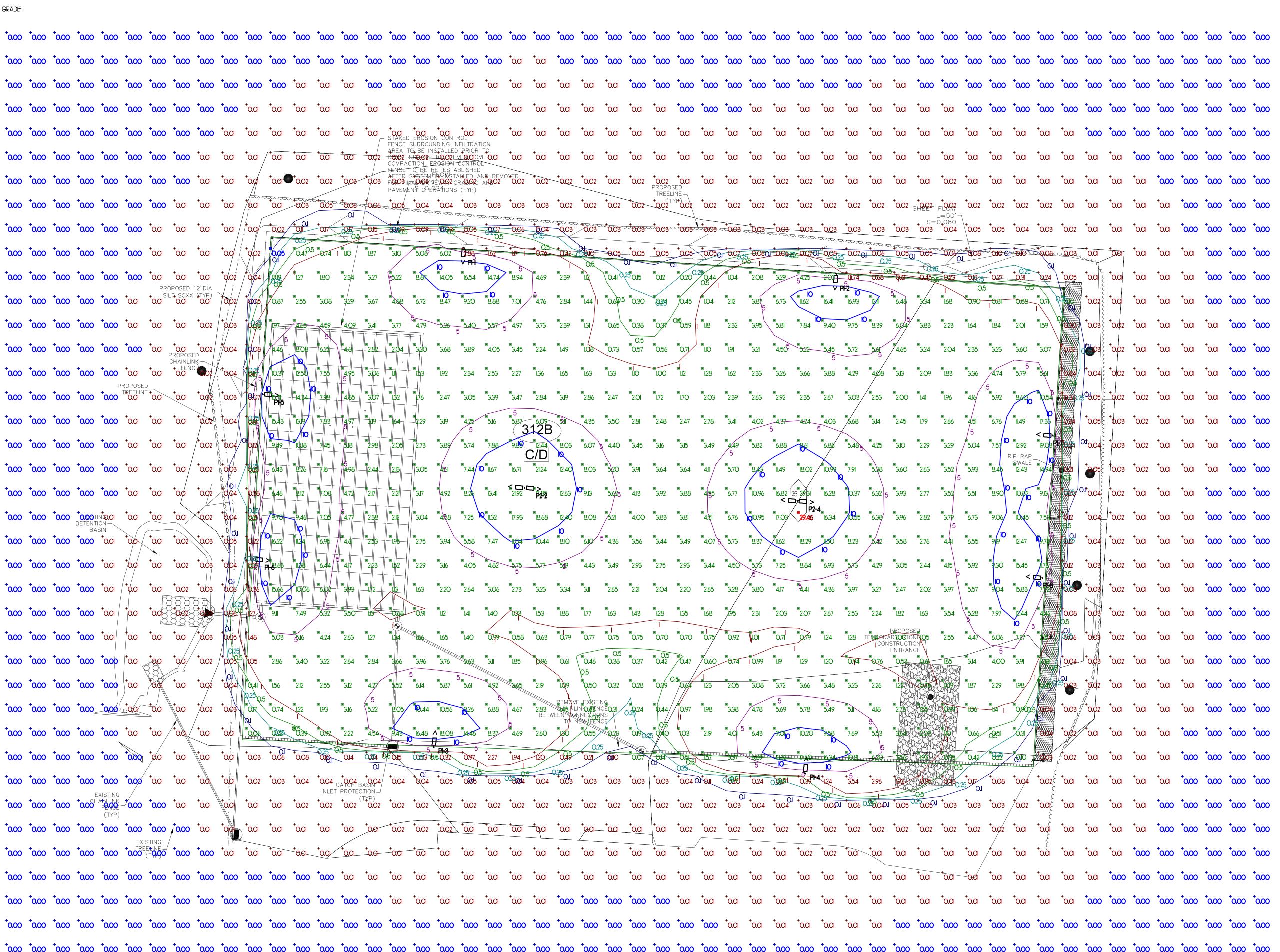
Statistics

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 Qutput | 片 | Input Power |
| Ċ | 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 |
| ÇĐÇ | P2 | 2 | SIGNIFY GARDCO | ECF-L-8OL-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





| REVI | SIONS: | |
|-------|--------|--------------|
| REV.: | DATE: | DESCRIPTION: |
| | | |
| | | |
| | | |
| | | |
| | | |

LEVEL DESIGN GROUP

249 SOUTH ST., UNIT 1 PLAINVILLE, MA 02762

ROJECT:

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