DEFINITIVE SUBDIVISION PLANS

FOR

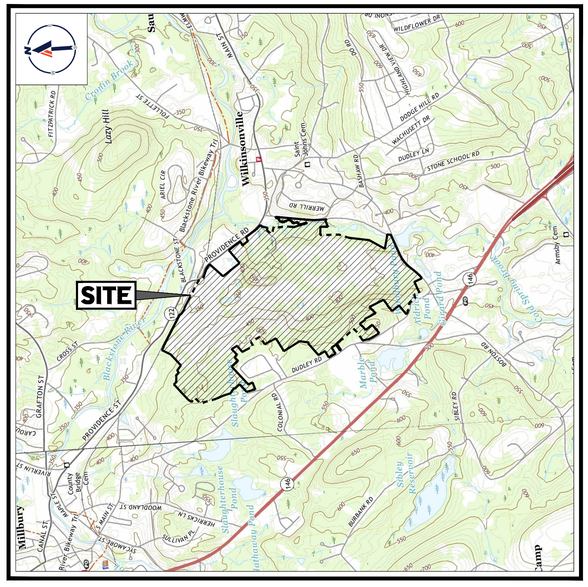
UNIFIED PARKWAY

LOCATION OF SITE:

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON
WORCESTER COUNTY, MASSACHUSETTS

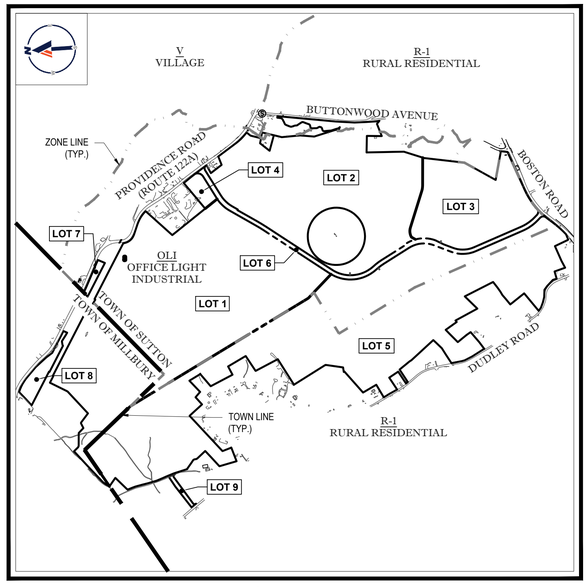
SITE INFORMATION

1. APPLICANT:
   UGPG RE SUTTON LLC
   223 WORCESTER PROVIDENCE TURNPIKE
   SUTTON, MA 01590
2. OWNER:
   UGPG RE SUTTON LLC
   223 WORCESTER PROVIDENCE TURNPIKE
   SUTTON, MA 01590



USGS MAP

SCALE: 1" = 2,000'
SOURCE: WORCESTER SOUTH AND GRAFTON MASSACHUSETTS USGS QUADRANGLE



SITE MAP

SCALE: 1" = 1,000'

PREPARED BY

BOHLER

WAIVER LIST:

SUTTON SUBDIVISION RULES & REGULATIONS

SECTION II.D

- IN ORDER TO CONTINUE ONGOING SITE WORK IN ACCORDANCE WITH A WORK PROGRAM TO BE PRESENTED TO THE PLANNING BOARD

SECTION III.C.1.f

- LOCATION PLAN AT A SCALE OF 1"=200'
- PLANS AT A SCALE OF 1"=40'

SECTION IV.A.2k

- TYPICAL ROADWAY CROSS SECTION

SECTION IV.B.3

- OVERALL PAVEMENT WIDTH

SECTION IV.B.2b

- 12" MIN. PIPE SIZE
- 4' MIN. COVER OVER PIPES

SECTION IV.B.2c

- CATCH BASINS AT INTERVALS NO MORE THAN 300'

SECTION IV.B.2f

- HEADWALLS SHALL BE PROVIDED AT OUTLET END OF ALL DRAINS
- HEADWALLS AND WING WALLS REQUIRED ON ALL EXPOSED DRAINAGE INFLOWS

SECTION IV.F.3

- TEMPORARY CONSTRUCTION EASEMENTS

SECTION V.G.1

- GRANITE CURBING SHALL BE PROVIDED ALONG EACH SIDE OF THE ROADWAY

SECTION V.I.4

- SIDEWALKS SHALL BE CONSTRUCTION OF PORTLAND CEMENT CONCRETE

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OVERALL GRADING AND DRAINAGE PLAN	C-401
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DEFINITIVE SUBDIVISION PLAN OF LAND (PREPARED BY WSP USA, INC.)	23 SHEETS

CERTIFICATE OF NO APPEAL

THIS IS TO CERTIFY THAT NOTICE FROM THE PLANNING BOARD OF APPROVAL OF THIS PLAN WAS RECEIVED BY ME ON_____, AND NO NOTICE OF APPEAL FROM SUCH APPROVAL WAS RECEIVED BY ME DURING THE TWENTY (20) DAYS NEXT AFTER RECEIPT AND RECORDING OF THE NOTICE OF APPROVAL.

_____ DATE

_____ TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

_____ CHAIRMAN

_____

_____

_____

_____

_____

_____ DATE

BOHLER™

SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

THE INFORMATION, DESIGN AND CONTENT OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE COPIED OR USED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM BOHLER. ONLY APPROVED, SIGNED AND SEALED PLANS SHALL BE UTILIZED FOR CONSTRUCTION PURPOSES © BOHLER

REVISIONS

REV	DATE	COMMENT	DRAWN BY / CHECKED BY
1	12/16/2021	PEER REVIEW COMMENTS	AJS / JK / KC

Know what's below. Call before you dig.

ALWAYS CALL 811

It's fast. It's free. It's the law.

DEFINITIVE PLAN

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.: W211141-CVL-1_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

BOHLER
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SOUTHBOROUGH, MA 01772
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www.BohlerEngineering.com

COMMONWEALTH OF MASSACHUSETTS
JOHN A. KUCICH
CIVIL
No. 41530
REGISTERED PROFESSIONAL ENGINEER
MASSACHUSETTS LICENSE No. 41530
NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 06616
MAINE LICENSE No. 12553

SHEET TITLE:

COVER SHEET

SHEET NUMBER:

C-101

REVISION 1 - 12/16/2021

P:\2\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_DEFINITIVE SUB----A-LAYOUT C-101-COVR

GENERAL NOTES

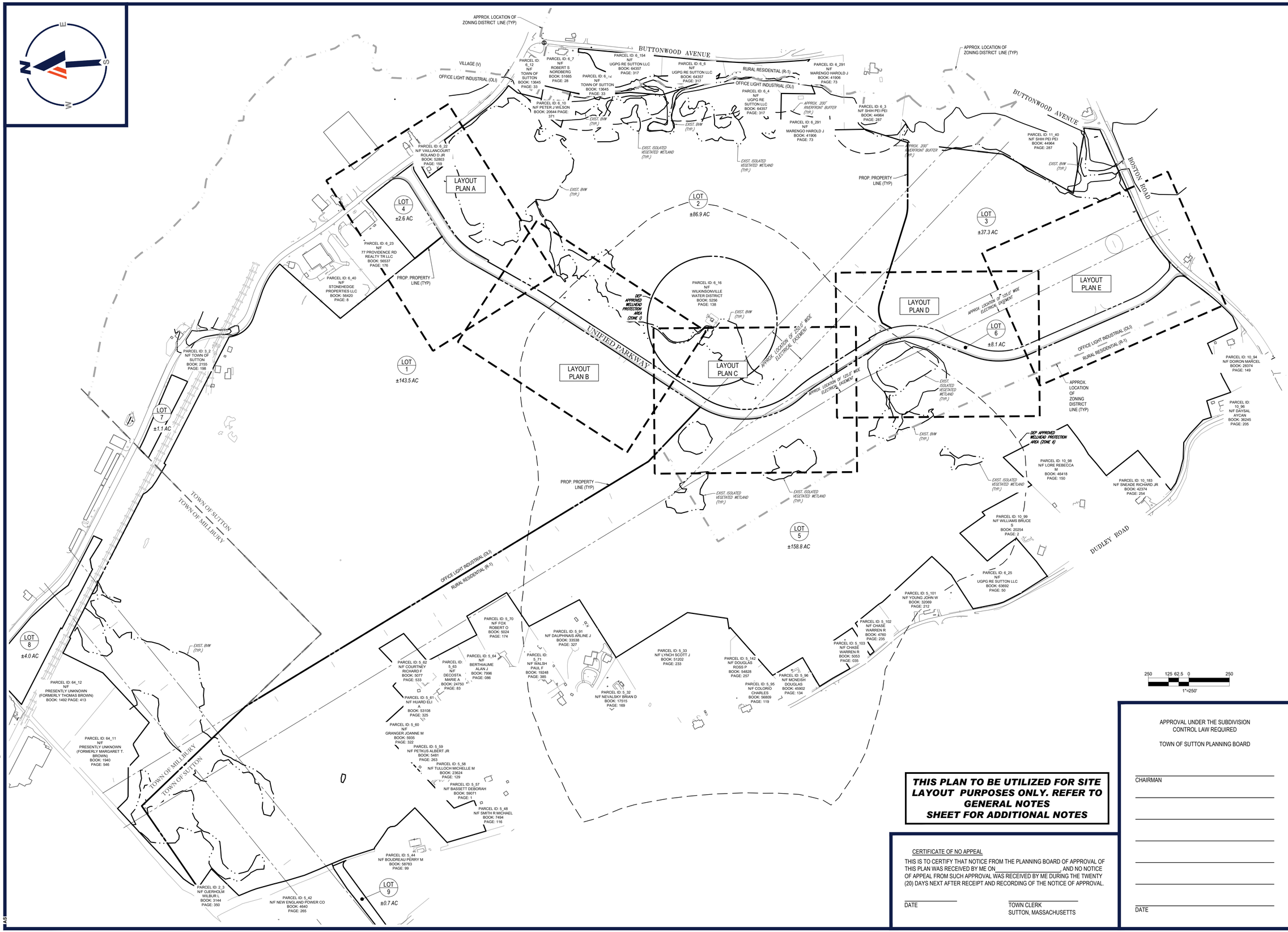
CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE NOTES AND SPECIFICATIONS CONTAINED HEREIN. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL SUBCONTRACTORS FULLY AND COMPLETELY CONFORM TO AND COMPLY WITH THESE REQUIREMENTS.

1. THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN:
   - "DEFINITIVE SUBDIVISION PLAN OF LAND", PREPARED BY WSP USA, INC., DATED 11/08/2021, REVISED: 12/16/2021.
   - "EXISTING CONDITIONS PLAN OF LAND", PREPARED BY WSP USA, INC., DATED 11/08/2021, REVISED: 12/16/2021.

   PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST VERIFY THAT HE/SHE HAS THE LATEST EDITION OF THE DOCUMENTS REFERENCED ABOVE. THIS IS CONTRACTOR'S RESPONSIBILITY.
2. ALL ACCESSIBLE (A/K/A ADA) PARKING SPACES MUST BE CONSTRUCTED TO MEET, AT A MINIMUM, THE MORE STRINGENT OF THE REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES ACT" (ADA) CODE (42 U.S.C. § 12101 et seq. AND 42 U.S.C. § 4151 et seq.) OR THE REQUIREMENTS OF THE JURISDICTION WHERE THE PROJECT IS TO BE CONSTRUCTED, AND ANY AND ALL AMENDMENTS TO BOTH WHICH ARE IN EFFECT WHEN THESE PLANS ARE COMPLETED.
3. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED THE COMMENTS TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORITIES AND CONFIRMED THAT ALL NECESSARY OR REQUIRED PERMITS HAVE BEEN OBTAINED. CONTRACTOR MUST HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES.
4. THE OWNER/CONTRACTOR MUST BE FAMILIAR WITH AND RESPONSIBLE FOR THE PROCUREMENT OF ANY AND ALL CERTIFICATIONS REQUIRED FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
5. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND CONDITIONS OF APPROVAL, AND ALL APPLICABLE REQUIREMENTS, RULES, REGULATIONS, STATUTORY REQUIREMENTS, CODES, LAWS AND STANDARDS OF ALL GOVERNMENTAL ENTITIES WITH JURISDICTION OVER THIS PROJECT.
6. THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SET FORTH HEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND, IN CASE OF CONFLICT, DISCREPANCY OR AMBIGUITY, THE MORE STRINGENT REQUIREMENTS AND/OR RECOMMENDATIONS CONTAINED IN THE PLANS AND THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR MUST NOTIFY THE ENGINEER, IN WRITING, OF ANY SUCH CONFLICT, DISCREPANCY OR AMBIGUITY BETWEEN THE GEOTECHNICAL REPORTS AND PLANS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH ANY FURTHER WORK.
7. THESE PLANS ARE BASED ON INFORMATION PROVIDED TO BOHLER ENGINEERING BY THE OWNER AND OTHERS PRIOR TO THE TIME OF PLAN PREPARATION. CONTRACTOR MUST FIELD VERIFY EXISTING CONDITIONS AND NOTIFY BOHLER ENGINEERING, IN WRITING, IMMEDIATELY IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES.
8. ALL DIMENSIONS SHOWN ON THE PLANS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR MUST NOTIFY ENGINEER, IN WRITING, IF ANY CONFLICTS, DISCREPANCIES, OR AMBIGUITIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR WORK WHICH HAS TO BE REDONE OR REPAIRED DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS PRIOR TO CONTRACTOR GIVING ENGINEER WRITTEN NOTIFICATION OF SAME AND ENGINEER, THEREAFTER, PROVIDING CONTRACTOR WITH WRITTEN AUTHORIZATION TO PROCEED WITH SUCH ADDITIONAL WORK.
9. CONTRACTOR MUST REFER TO THE ARCHITECTURAL/BUILDING PLANS "OF RECORD" FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY LOCATIONS.
10. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST COORDINATE THE BUILDING LAYOUT BY CAREFUL REVIEW OF THE ENTIRE SITE PLAN AND THE LATEST ARCHITECTURAL PLANS (INCLUDING, BUT NOT LIMITED TO, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION PLAN, WHERE APPLICABLE). CONTRACTOR MUST IMMEDIATELY NOTIFY OWNER, ARCHITECT AND SITE ENGINEER, IN WRITING, OF ANY CONFLICTS, DISCREPANCIES OR AMBIGUITIES WHICH EXIST.
11. DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE AND ALL UNSUITABLE EXCAVATED MATERIAL AND DEBRIS (SOLID WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH THE REQUIREMENTS OF ANY AND ALL GOVERNMENTAL AUTHORITIES WHICH HAVE JURISDICTION OVER THIS PROJECT OR OVER CONTRACTOR.
12. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING WHEN SHORING IS REQUIRED AND FOR INSTALLING ALL SHORING REQUIRED DURING EXCAVATION (TO BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS) AND ANY ADDITIONAL PRECAUTIONS TO BE TAKEN TO ASSURE THE STABILITY OF ADJACENT, NEARBY AND CONTIGUOUS STRUCTURES AND PROPERTIES.
13. THE CONTRACTOR IS TO EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ACTIVITIES ADJACENT TO PAVEMENT, STRUCTURES, ETC. WHICH ARE TO REMAIN EITHER FOR AN INITIAL PHASE OF THE PROJECT OR AS PART OF THE FINAL CONDITION. CONTRACTOR IS RESPONSIBLE FOR TAKING ALL APPROPRIATE MEASURES REQUIRED TO ENSURE THE STRUCTURAL STABILITY OF SIDEWALKS AND PAVEMENT, UTILITIES, BUILDINGS, AND INFRASTRUCTURE WHICH ARE TO REMAIN, AND TO PROVIDE A SAFE WORK AREA FOR THIRD PARTIES, PEDESTRIANS AND ANYONE INVOLVED WITH THE PROJECT.
14. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR PROPERTY DURING THE COURSE OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. AND SHALL BEAR ALL COSTS ASSOCIATED WITH SAME TO INCLUDE, BUT NOT BE LIMITED TO, REDESIGN, RE-SURVEY, RE-PERMITTING AND CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR AND MUST REPLACE ALL SIGNAL INTERCONNECTION CABLE, WIRING CONDUITS, AND ANY UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION AND MUST BEAR ALL COSTS ASSOCIATED WITH SAME. THE REPAIR OF ANY SUCH NEW OR EXISTING CONSTRUCTION OR PROPERTY MUST RESTORE SUCH CONSTRUCTION OR PROPERTY TO A CONDITION EQUIVALENT TO OR BETTER THAN THE CONDITION PRIOR TO COMMENCEMENT OF THE CONSTRUCTION, AND IN CONFORMANCE WITH APPLICABLE CODES, LAWS RULES, REGULATIONS, STATUTORY REQUIREMENTS AND STATUTES. CONTRACTOR MUST BEAR ALL COSTS ASSOCIATED WITH SAME. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND TO NOTIFY THE OWNER AND THE CONSTRUCTION MANAGER PRIOR TO THE START OF CONSTRUCTION.
15. ALL CONCRETE MUST BE AIR ENTRAINED AND HAVE THE MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECHNICAL REPORT.
16. THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS, MEANS, TECHNIQUES OR PROCEDURES, GENERALLY OR FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES OR PROCEDURES FOR COMPLETION OF THE WORK DEPICTED BOTH ON THESE PLANS, AND FOR ANY CONFLICTS/SCOPE REVISIONS WHICH RESULT FROM SAME. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE METHODS/MEANS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
17. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY. THE ENGINEER OF RECORD HAS NOT BEEN RETAINED TO PERFORM OR BE RESPONSIBLE FOR JOB SITE SAFETY, SAME BEING WHOLLY OUTSIDE OF ENGINEER'S SERVICES AS RELATED TO THE PROJECT. THE ENGINEER OF RECORD IS NOT RESPONSIBLE TO IDENTIFY OR REPORT ANY JOB SITE SAFETY ISSUES, AT ANY TIME.
18. ALL CONTRACTORS MUST CARRY THE SPECIFIED STATUTORY WORKER'S COMPENSATION INSURANCE, EMPLOYER'S LIABILITY INSURANCE AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGL). ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME BOHLER ENGINEERING, AND ITS PAST, PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AS ADDITIONAL NAMED INSURED AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INSURE THIS HOLD HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED BY THE CONTRACTORS. ALL CONTRACTORS MUST FURNISH BOHLER ENGINEERING WITH CERTIFICATIONS OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION AND FOR ONE YEAR AFTER THE COMPLETION OF CONSTRUCTION. IN ADDITION, ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, INDEMNIFY, DEFEND AND HOLD HARMLESS BOHLER ENGINEERING AND ITS PAST, PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS FROM AND AGAINST ANY DAMAGES, INJURIES, CLAIMS, ACTIONS, PENALTIES, EXPENSES, PUNITIVE DAMAGES, TORT DAMAGES, STATUTORY CLAIMS, STATUTORY CAUSES OF ACTION, LOSSES, CAUSES OF ACTION, LIABILITIES OR COSTS, INCLUDING, BUT NOT LIMITED TO, REASONABLE ATTORNEYS' FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH OR TO THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTORS, ALL CLAIMS BY THIRD PARTIES AND ALL CLAIMS RELATED TO THE PROJECT. CONTRACTOR MUST NOTIFY ENGINEER, IN WRITING, AT LEAST THIRTY (30) DAYS PRIOR TO ANY TERMINATION, SUSPENSION OR CHANGE OF ITS INSURANCE HEREUNDER.
19. BOHLER ENGINEERING WILL REVIEW OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONSTRUCTION MEANS AND/OR METHODS AND/OR TECHNIQUES OR PROCEDURES, COORDINATION OF THE WORK WITH OTHER TRADES, AND CONSTRUCTION SAFETY PRECAUTIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND BOHLER HAS NO RESPONSIBILITY OR LIABILITY FOR SAME HEREUNDER. BOHLER ENGINEERING'S SHOP DRAWING REVIEW WILL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM MUST NOT INDICATE THAT BOHLER ENGINEERING HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. BOHLER ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT PROMPTLY AND IMMEDIATELY BROUGHT TO ITS ATTENTION, IN WRITING, BY THE CONTRACTOR. BOHLER ENGINEERING WILL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.
20. NEITHER THE PROFESSIONAL ACTIVITIES OF BOHLER ENGINEERING, NOR THE PRESENCE OF BOHLER ENGINEERING AND/OR ITS PAST, PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AT A CONSTRUCTION/PROJECT SITE, SHALL RELIEVE THE GENERAL CONTRACTOR OF ITS OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, OVERSEEING, SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND COMPLIANCE WITH ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES WITH JURISDICTION OVER THE PROJECT AND/OR PROPERTY. BOHLER ENGINEERING AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY. BOHLER ENGINEERING SHALL BE INDEMNIFIED BY THE GENERAL CONTRACTOR AND MUST BE NAMED AN ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE AS DESCRIBED ABOVE IN NOTE 19 FOR JOB SITE SAFETY.
21. IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED HEREIN, WITHOUT FIRST OBTAINING THE PRIOR WRITTEN AUTHORIZATION OF THE ENGINEER FOR SUCH DEVIATIONS, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCURRED IN CORRECTING ANY WORK DONE WHICH DEVIATES FROM THE PLANS, ALL FINES AND/OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM AND, FURTHER, SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE ENGINEER, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, IN ACCORDANCE WITH PARAGRAPH 19 HEREIN, FOR AND FROM ALL FEES, ATTORNEYS' FEES, DAMAGES, COSTS, JUDGMENTS, PENALTIES AND THE LIKE RELATED TO SAME.
22. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC PLAN FOR ALL WORK THAT AFFECTS PUBLIC TRAVEL EITHER IN THE R.O.W. OR ON SITE. THE COST FOR THIS ITEM MUST BE INCLUDED IN THE CONTRACTOR'S PRICE.
23. ALL SIGNING AND PAVEMENT STRIPING MUST CONFORM TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR LOCALLY APPROVED SUPPLEMENT.
24. ENGINEER IS NOT RESPONSIBLE FOR ANY INJURY OR DAMAGES RESULTING FROM CONTRACTOR'S FAILURE TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH THE APPROVED PLANS. IF CONTRACTOR AND/OR OWNER FAIL TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH APPROVED PLANS, THEY AGREE TO JOINTLY AND SEVERALLY INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS.
25. OWNER MUST MAINTAIN AND PRESERVE ALL PHYSICAL SITE FEATURES AND DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, IN STRICT ACCORDANCE WITH THE APPROVED PLAN(S) AND DESIGN AND, FURTHER ENGINEER IS NOT RESPONSIBLE FOR ANY FAILURE TO SO MAINTAIN OR PRESERVE SITE AND/OR DESIGN FEATURES. IF OWNER FAILS TO MAINTAIN AND/OR PRESERVE ALL PHYSICAL SITE FEATURES AND/OR DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, OWNER AGREES TO INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.
26. ALL DIMENSIONS MUST BE TO FACE OF CURB, EDGE OF PAVEMENT, OR EDGE OF BUILDING, UNLESS NOTED OTHERWISE.
27. ALL CONSTRUCTION AND MATERIALS MUST COMPLY WITH AND CONFORM TO APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, ORDINANCES, RULES AND CODES, AND ALL APPLICABLE OSHA REQUIREMENTS.
28. CONTRACTOR AND OWNER MUST INSTALL ALL ELEMENTS AND COMPONENTS IN STRICT COMPLIANCE WITH AND ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDED INSTALLATION CRITERIA AND SPECIFICATIONS. IF CONTRACTOR AND/OR OWNER FAIL TO DO SO, THEY AGREE TO JOINTLY AND SEVERALLY INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.
29. CONTRACTOR IS RESPONSIBLE TO MAINTAIN ON-SITE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN COMPLIANCE WITH EPA REQUIREMENTS FOR SITES WHERE ONE (1) ACRE OR MORE (UNLESS THE LOCAL JURISDICTION REQUIRES FEWER) IS DISTURBED BY CONSTRUCTION ACTIVITIES. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL ACTIVITIES, INCLUDING THOSE OF SUBCONTRACTORS, ARE IN COMPLIANCE WITH THE SWPPP, INCLUDING BUT NOT LIMITED TO LOGGING ACTIVITIES (MINIMUM ONCE PER WEEK AND AFTER RAINFALL EVENTS) AND CORRECTIVE MEASURES, AS APPROPRIATE.
30. AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED APPLICATION DOCUMENTS PREPARED BY THE SIGNATORY PROFESSIONAL ENGINEER, THE USE OF THE WORDS CERTIFY OR CERTIFICATION CONSTITUTES AN EXPRESSION OF "PROFESSIONAL OPINION" REGARDING THE INFORMATION WHICH IS THE SUBJECT OF THE UNDERSIGNED PROFESSIONAL'S KNOWLEDGE OR BELIEF AND IN ACCORDANCE WITH COMMON ACCEPTED PROCEDURE CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EITHER EXPRESSED OR IMPLIED.

GENERAL GRADING & UTILITY PLAN NOTES

1. LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE INDEPENDENTLY CONFIRMED WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE CONNECTION POINTS MUST BE INDEPENDENTLY CONFIRMED BY THE CONTRACTOR IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES MUST IMMEDIATELY BE REPORTED, IN WRITING, TO THE ENGINEER. CONSTRUCTION MUST COMMENCE BEGINNING AT THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UP GRADIENT. PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. CONTRACTOR MUST VERTICALLY AND HORIZONTALLY LOCATE ALL UTILITIES AND SERVICES INCLUDING, BUT NOT LIMITED TO, GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE OR WORK SPACE, WHICHEVER IS GREATER. THE CONTRACTOR MUST USE, REFER TO, AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION, AT NO COST TO THE OWNER. CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CONSTRUCTION CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT WORK SCOPE PRIOR TO THE INITIATION AND COMMENCEMENT OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT AND/OR DISCREPANCY BETWEEN THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE OR APPLICABLE CODES, REGULATIONS, LAWS, RULES, STATUTES AND/OR ORDINANCES, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD, IN WRITING, OF SAID CONFLICT AND/OR DISCREPANCY PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR'S FAILURE TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE CONTRACTOR'S FULL AND COMPLETE ACCEPTANCE OF ALL RESPONSIBILITY TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, STATUTES, ORDINANCES AND CODES AND, FURTHER, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SAME.
4. THE CONTRACTOR MUST LOCATE AND CLEARLY AND UNAMBIGUOUSLY DEFINE VERTICALLY AND HORIZONTALLY ALL ACTIVE AND INACTIVE UTILITY AND/OR SERVICE SYSTEMS THAT ARE TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN ALL ACTIVE AND INACTIVE SYSTEMS THAT ARE NOT BEING REMOVED/RELOCATED DURING SITE ACTIVITY.
5. THE CONTRACTOR MUST FAMILIARIZE ITSELF WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION AS DESCRIBED ON THESE PLANS OR REQUIRED BY THE PROJECT. THE CONTRACTOR MUST PROVIDE THE OWNER WITH WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH THE JURISDICTION AND UTILITY COMPANY REQUIREMENTS AND ALL OTHER APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES.
6. THE CONTRACTOR MUST INSTALL ALL STORM SEWER AND SANITARY SEWER COMPONENTS WHICH FUNCTION BY GRAVITY PRIOR TO THE INSTALLATION OF ALL OTHER UTILITIES.
7. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SITE PLAN DOCUMENTS AND ARCHITECTURAL DESIGN FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS, GREASE TRAP REQUIREMENTS/DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE ARCHITECT WILL DETERMINE THE UTILITY SERVICE SIZES. THE CONTRACTOR MUST COORDINATE INSTALLATION OF UTILITIES/SERVICES WITH THE INDIVIDUAL COMPANIES TO AVOID CONFLICTS AND TO ENSURE THAT PROPER DEPTHS ARE ACHIEVED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT INSTALLATION OF ALL IMPROVEMENTS COMPLIES WITH ALL UTILITY REQUIREMENTS WITH JURISDICTION AND/OR CONTROL OF THE SITE, AND ALL OTHER APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES AND, FURTHER, IS RESPONSIBLE FOR COORDINATING THE UTILITY MISCONNECTIONS PRIOR TO THE EXISTING UTILITY/SERVICE. WHERE A CONFLICT(S) EXISTS BETWEEN THESE SITE PLANS AND THE ARCHITECTURAL PLANS, OR WHERE ARCHITECTURAL PLAN UTILITY CONNECTION POINTS DIFFER, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER, IN WRITING, AND PRIOR TO CONSTRUCTION, RESOLVE SAME.
8. WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTOR'S PRICE FOR WATER SERVICE MUST INCLUDE ALL FEES, COSTS AND APPURTENANCES REQUIRED BY THE UTILITY TO PROVIDE FULL AND COMPLETE WORKING SERVICE. CONTRACTOR MUST CONTACT THE APPLICABLE MUNICIPALITY TO CONFIRM THE PROPER WATER METER AND VAULT, PRIOR TO COMMENCING CONSTRUCTION.
9. ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, TELEPHONE, CABLE TV, ETC. ARE TO BE INSTALLED UNDERGROUND. ALL NEW UTILITIES/SERVICES MUST BE INSTALLED IN ACCORDANCE WITH THE UTILITY/SERVICE PROVIDER INSTALLATION SPECIFICATIONS AND STANDARDS.
10. SITE GRADING MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT REFERENCED IN THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING UNSUITABLE MATERIALS WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT. ALL EXCAVATED OR FILLED AREAS MUST BE COMPACTED TO THE DENSITIES AS OUTLINED IN THE GEOTECHNICAL REPORT. MOISTURE CONTENT MUST BE SUBMITTED IN A COMPACTION REPORT PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER, REGISTERED WITH THE STATE WHERE THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREAS AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT MUST BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE BY OWNER/DEVELOPER, OR OWNER/DEVELOPER'S REPRESENTATIVE, SUBBASE IS TO BE REMOVED AND REPLACED WITH APPROVED FILL MATERIAL (GEOTECHNICAL REPORT).
11. ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION MUST BE AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND MUST BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY SPECIFICATIONS. WHEN THE PROJECT DOES NOT HAVE GEOTECHNICAL RECOMMENDATIONS, FILL AND COMPACTION MUST, AT A MINIMUM, COMPLY WITH THE STATE DOT REQUIREMENTS AND SPECIFICATIONS AND CONSULTANT SHALL HAVE NO LIABILITY OR RESPONSIBILITY FOR OR AS RELATED TO FILL, COMPACTION AND BACKFILL. FURTHER, CONTRACTOR IS FULLY RESPONSIBLE FOR EARTHWORK BALANCE.
12. THE CONTRACTOR MUST COMPLY, TO THE FULLEST EXTENT, WITH THE LATEST OSHA STANDARDS AND REGULATIONS, AND/OR ANY OTHER AGENCY WITH JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR AND MUST REPLACE ALL SIGNAL INTERCONNECTION CABLE, WIRING CONDUITS, AND ANY UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION AND MUST BEAR ALL COSTS ASSOCIATED WITH SAME. THE REPAIR OF ANY SUCH NEW OR EXISTING CONSTRUCTION OR PROPERTY MUST RESTORE SUCH CONSTRUCTION OR PROPERTY TO A CONDITION EQUIVALENT TO OR BETTER THAN THE CONDITION PRIOR TO COMMENCEMENT OF THE CONSTRUCTION, AND IN CONFORMANCE WITH APPLICABLE CODES, LAWS RULES, REGULATIONS, STATUTORY REQUIREMENTS AND STATUTES. CONTRACTOR MUST BEAR ALL COSTS ASSOCIATED WITH SAME. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND TO NOTIFY THE OWNER AND THE CONSTRUCTION MANAGER PRIOR TO THE START OF CONSTRUCTION.
13. PAVEMENT MUST BE SAW CUT IN STRAIGHT LINES, AND EXCEPT FOR EDGE OF BUTT JOINTS, MUST EXTEND TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS MUST BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.
14. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT TOPS MUST BE ADJUSTED, AS NECESSARY, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL APPLICABLE STANDARDS, REQUIREMENTS, RULES, STATUTES, LAWS,



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DATE

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SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.: W211141-CVL-1_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

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352 TURNPIKE ROAD
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MASSACHUSETTS LICENSE No. 41530
NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 9616
MAINE LICENSE No. 12553

SHEET TITLE:

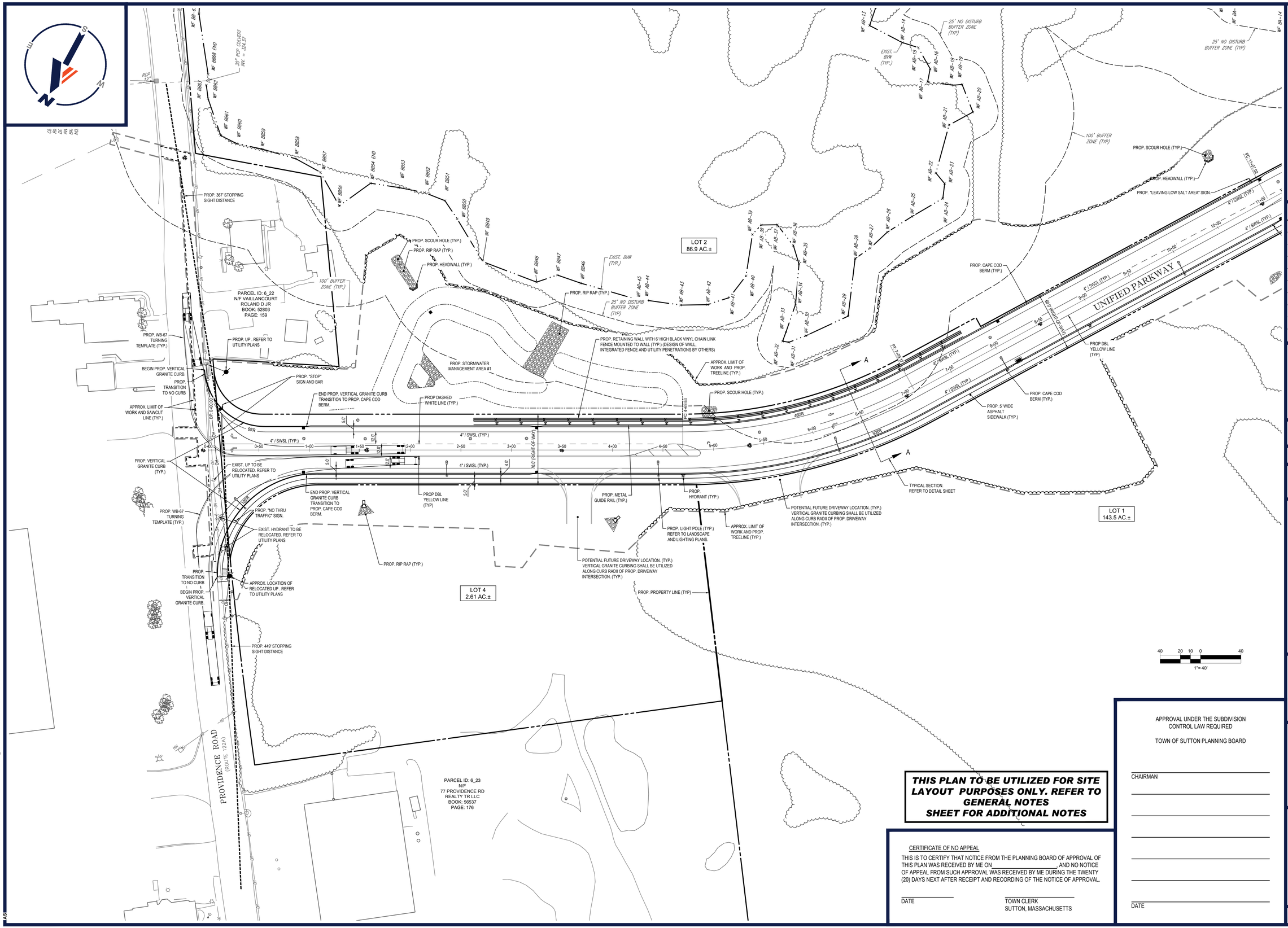
OVERALL LAYOUT PLAN

SHEET NUMBER:

C-301

REVISION 1 - 12/16/2021

P:\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_DEFINITIVE SUB----LAYOUT: C-301-OVERALL SITE



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DATE

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SUTTON, MASSACHUSETTS

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CHAIRMAN

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CHECKED BY:	KC / JAK
DATE:	11/10/2021
CAD I.D.:	W211141-CVL-1_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

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PROFESSIONAL ENGINEER
REGISTERED PROFESSIONAL ENGINEER
MASSACHUSETTS LICENSE No. 41530
NEW YORK LICENSE No. 115476
CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 9616
MAINE LICENSE No. 12553

SHEET TITLE:

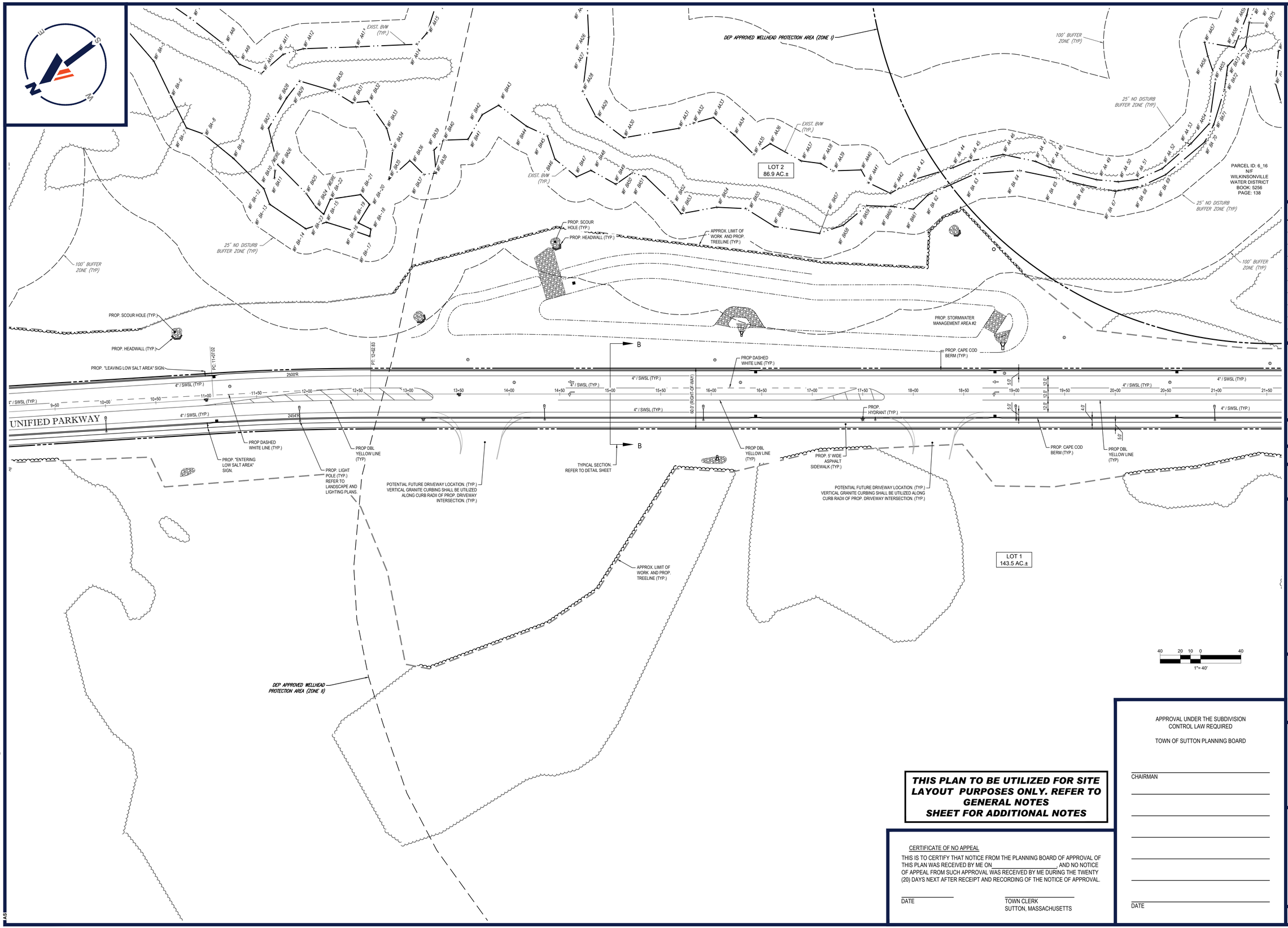
LAYOUT PLAN A

SHEET NUMBER:

C-302

REVISION 1 - 12/16/2021

P:\211\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_DEFINITIVE SUB----LAYOUT: C-302-SITE A



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DATE

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SUTTON, MASSACHUSETTS

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CHAIRMAN

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CHECKED BY:	KC / JAK
DATE:	11/10/2021
CAD I.D.:	W211141-CVL-1_DEFINITIVE SUB

PROJECT:

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MASSACHUSETTS LICENSE No. 41530
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CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 9616
MAINE LICENSE No. 12553

SHEET TITLE:

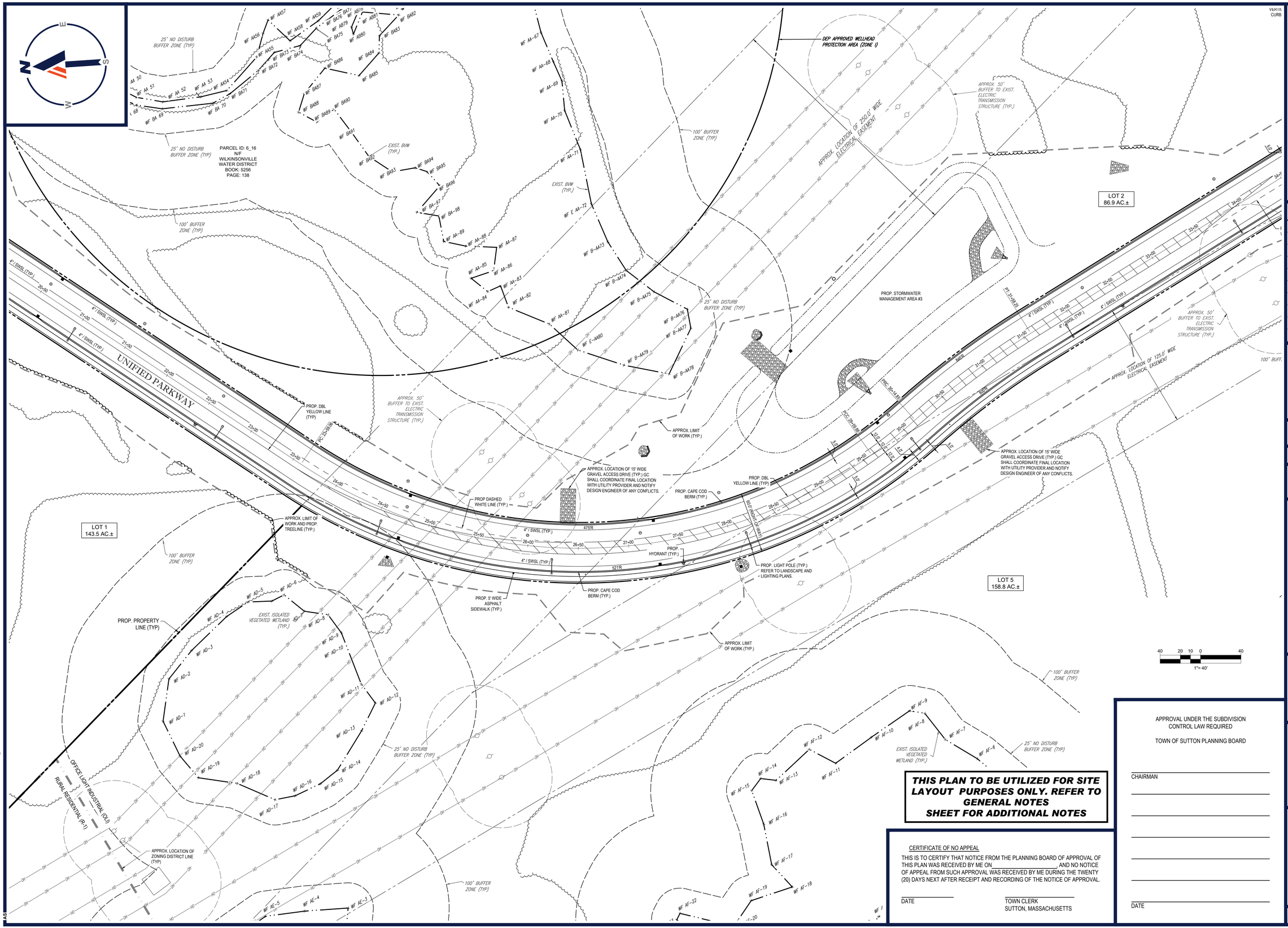
LAYOUT PLAN B

SHEET NUMBER:

C-303

REVISION 1 - 12/16/2021

P:\2\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_DEFINITIVE SUB----LAYOUT C-303 SITE B



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DATE

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TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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DATE: 11/10/2021
CAD I.D.: W211141-CVL-1_DEFINITIVE SUB

PROJECT:

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FOR

UNIFIED2 GLOBAL PACKAGING GROUP

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CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 06718
MAINE LICENSE No. 12553

SHEET TITLE:

LAYOUT PLAN C

SHEET NUMBER:

C-304

REVISION 1 - 12/16/2021

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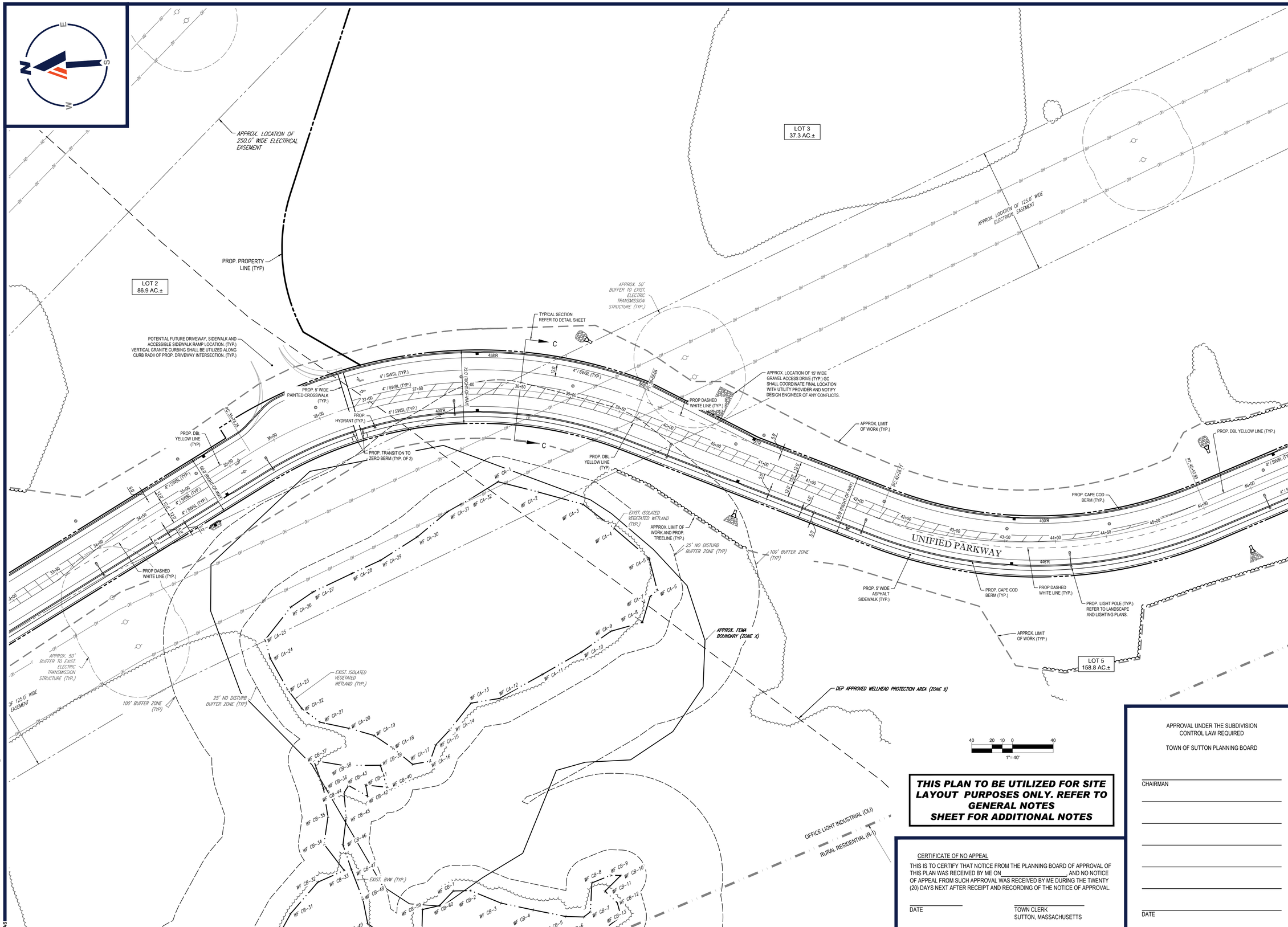

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DATE

TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.: W211141-CVL-1_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED2 GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

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NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 6618
MAINE LICENSE No. 12553

SHEET TITLE:

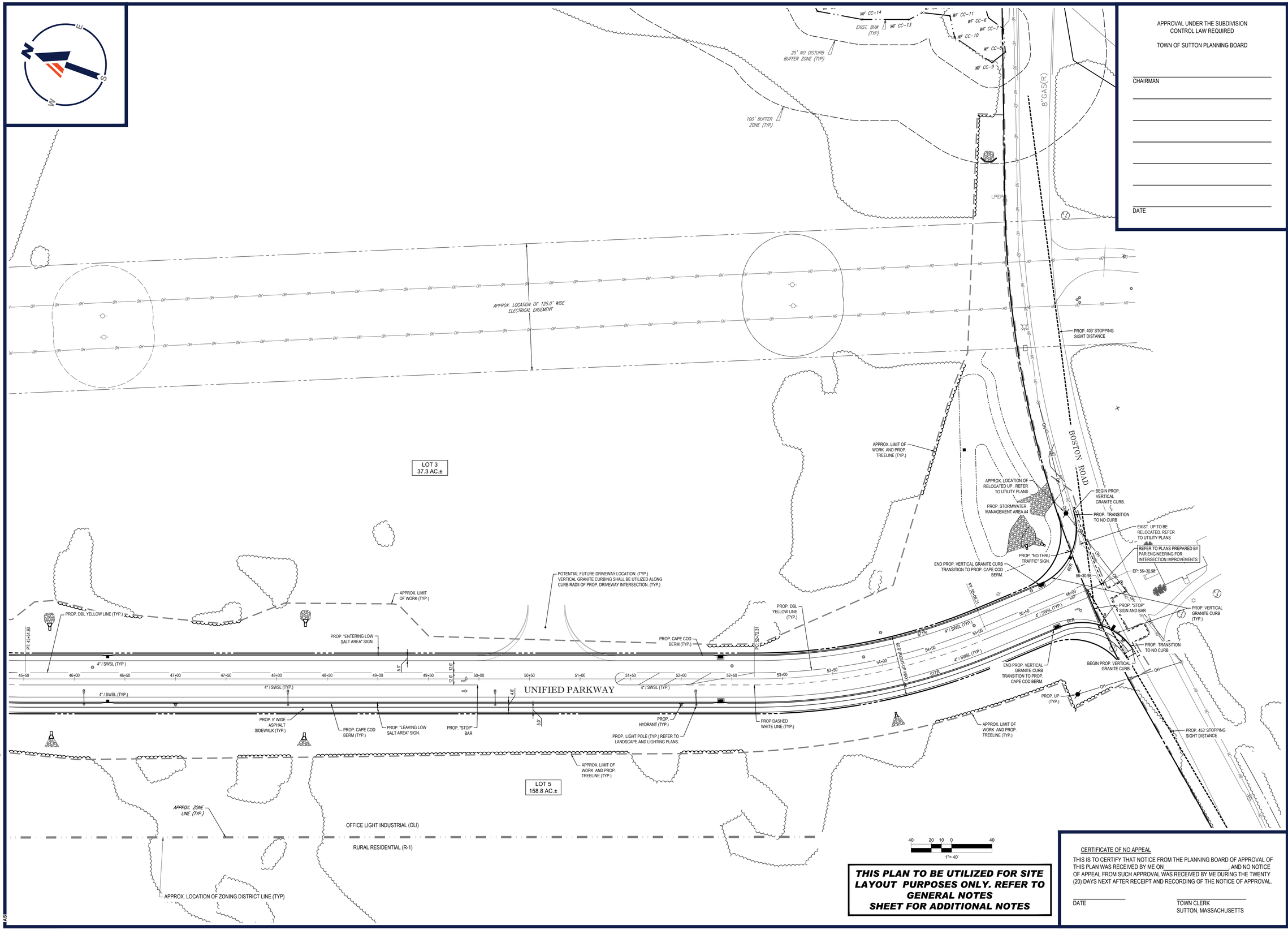
LAYOUT PLAN D

SHEET NUMBER:

C-305

REVISION 1 - 12/16/2021

P:\211\W211141\DRAWINGS\PLAN SET\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_DEFINITIVE SUB ----- LAYOUT: C-305 SITE D



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_____ DATE

_____ TOWN CLERK SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

_____ CHAIRMAN

_____

_____

_____

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_____ DATE

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DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

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MASSACHUSETTS LICENSE No. 41530
NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 9616
MAINE LICENSE No. 12553

SHEET TITLE:

LAYOUT PLAN E

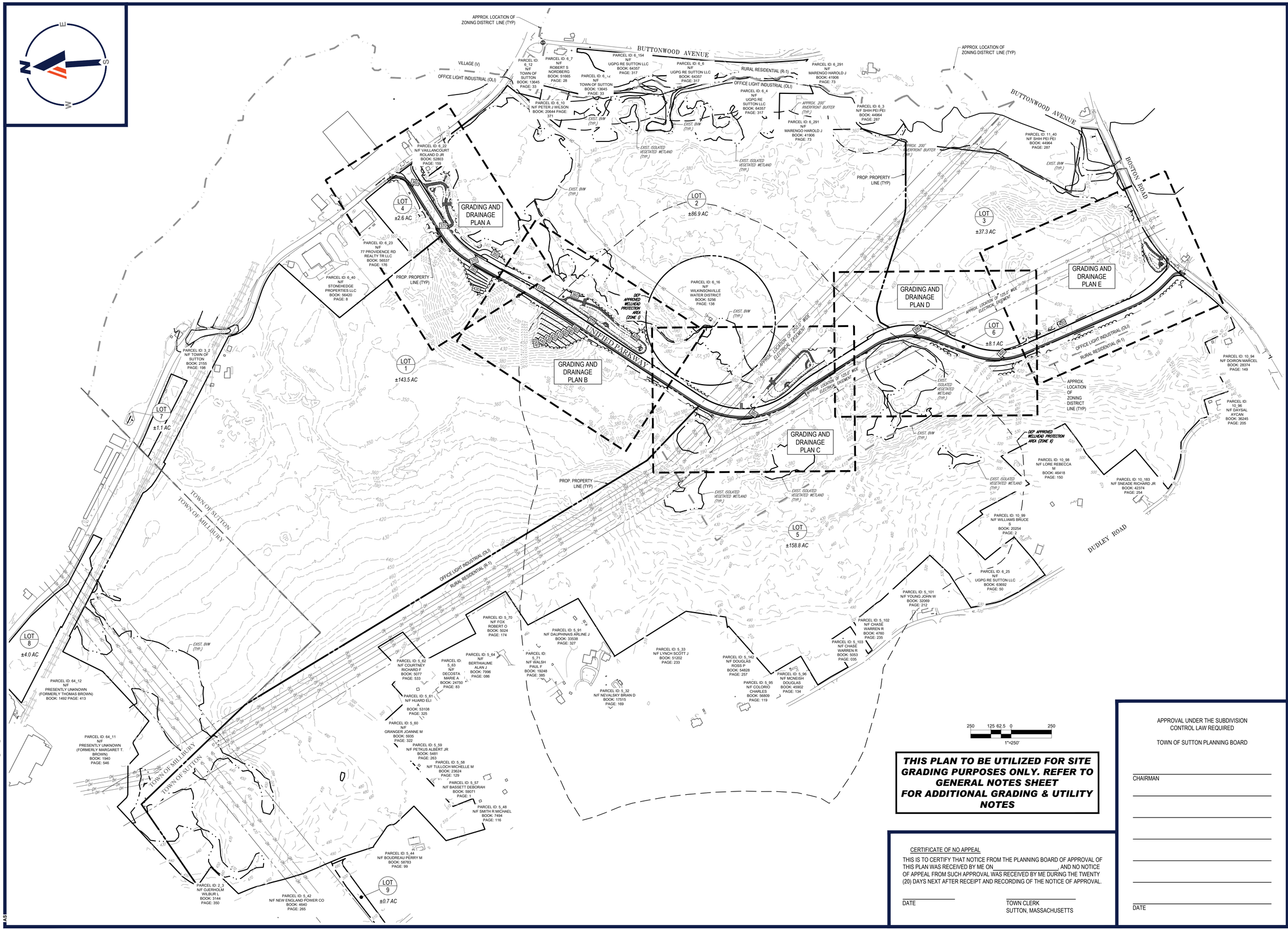
SHEET NUMBER:

C-306

REVISION 1 - 12/16/2021

P:\211\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_DEFINITIVE SUB——LAYOUT: C-306 SITE E

AJS



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DATE

TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.\W211141-CVL-1_GRAD_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

BOHLER

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Phone: (508) 480-9900

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MASSACHUSETTS LICENSE No. 41530
NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 9616
MAINE LICENSE No. 12553

SHEET TITLE:

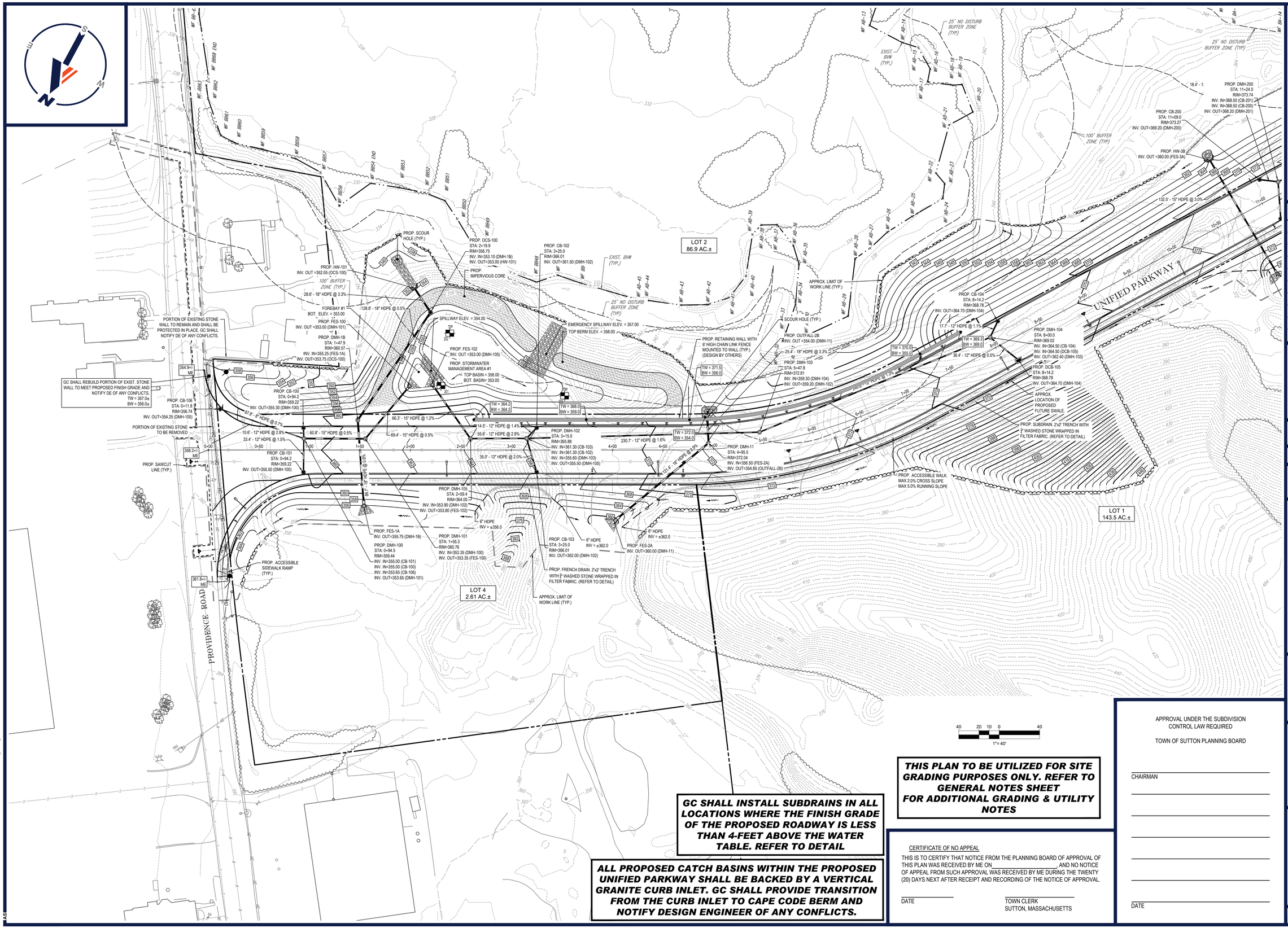
OVERALL GRADING AND DRAINAGE PLAN

SHEET NUMBER:

C-401

REVISION 1 - 12/16/2021

P:\W211141\DRAWINGS\PLAN SETS\07-DEFINITVE SUBDIVISION PLAN\W211141-CVL-1_GRAD_DEFINITIVE SUB ----LAYOUT: C-401-OVERALL GRAD



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SUTTON, MASSACHUSETTS

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CHAIRMAN

DATE

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CAD I.D.:W211141-CVL-1_GRAD_DEFINITIVE SUB

PROJECT:

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UNIFIED PARKWAY

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CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 06616
MAINE LICENSE No. 12553

SHEET TITLE:

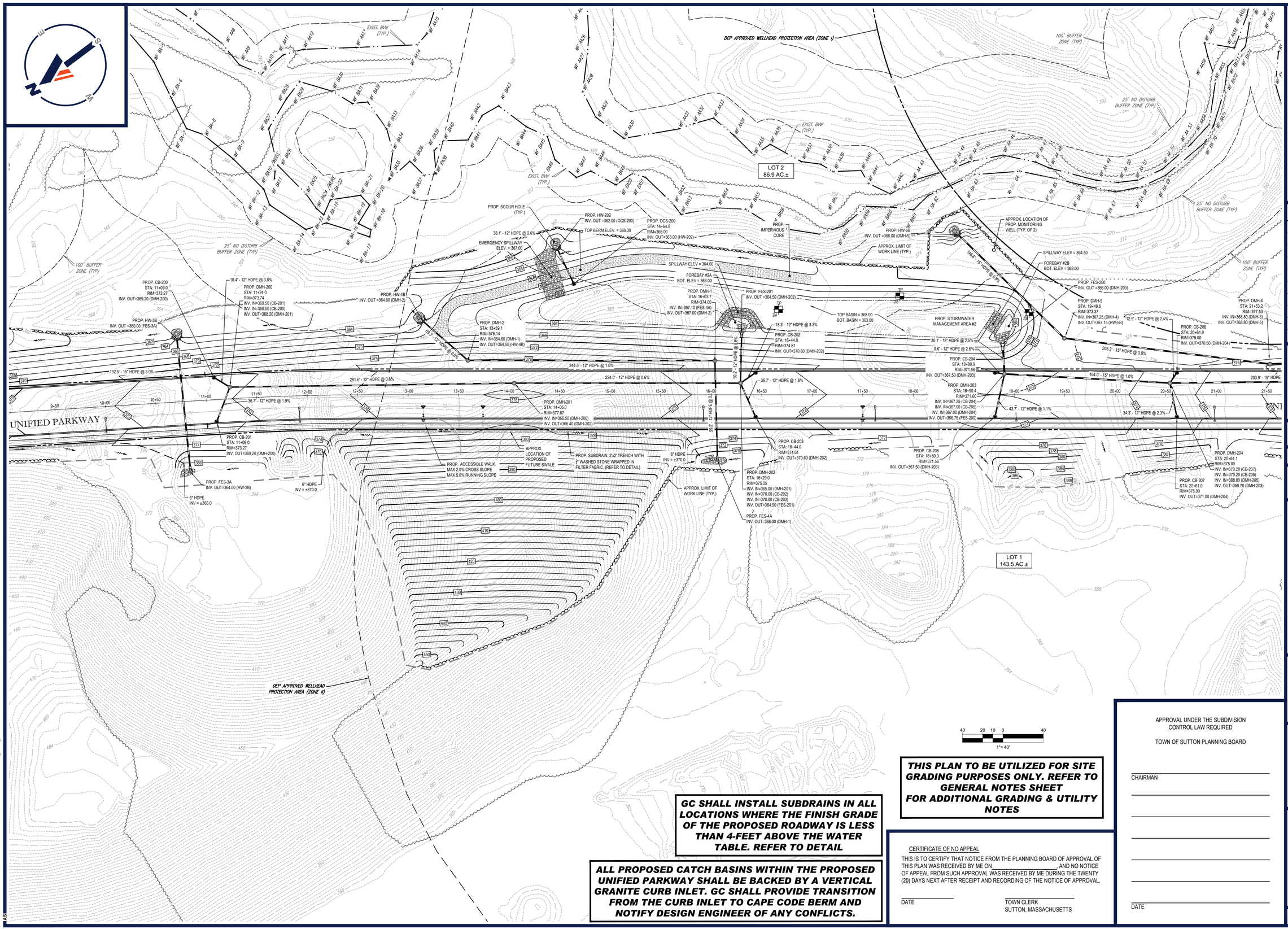
GRADING AND DRAINAGE PLAN A

SHEET NUMBER:

C-402

REVISION 1 - 12/16/2021

P:\2021\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_GRAD_DEFINITIVE SUB----3LAYOUT C-402 GRAD A
AJS



40 20 10 0 40
1"= 40'

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_____ DATE

_____ TOWN CLERK SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

_____ CHAIRMAN

_____

_____

_____

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_____ DATE

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PROJECT:

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FOR

UNIFIED²
GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

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MAINE LICENSE No. 12553

SHEET TITLE:

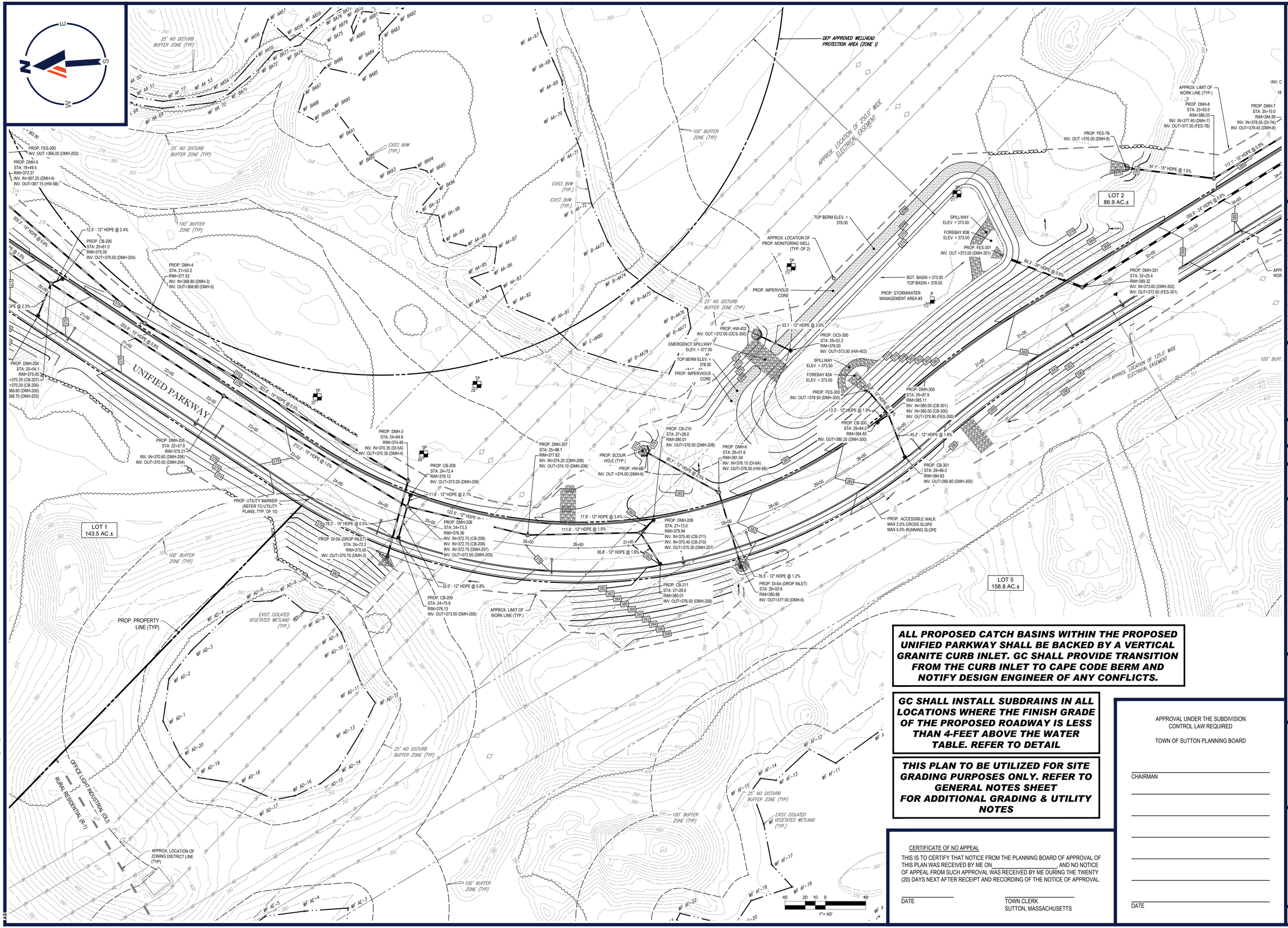
GRADING AND DRAINAGE PLAN B

SHEET NUMBER:

C-403

REVISION 1 - 12/16/2021

P:\211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_GRAD_DEFINITIVE SUB ---> LAYOUT: C-403 GRAD B
AJS



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TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.W211141-CVL-1_GRAD_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

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SHEET TITLE:

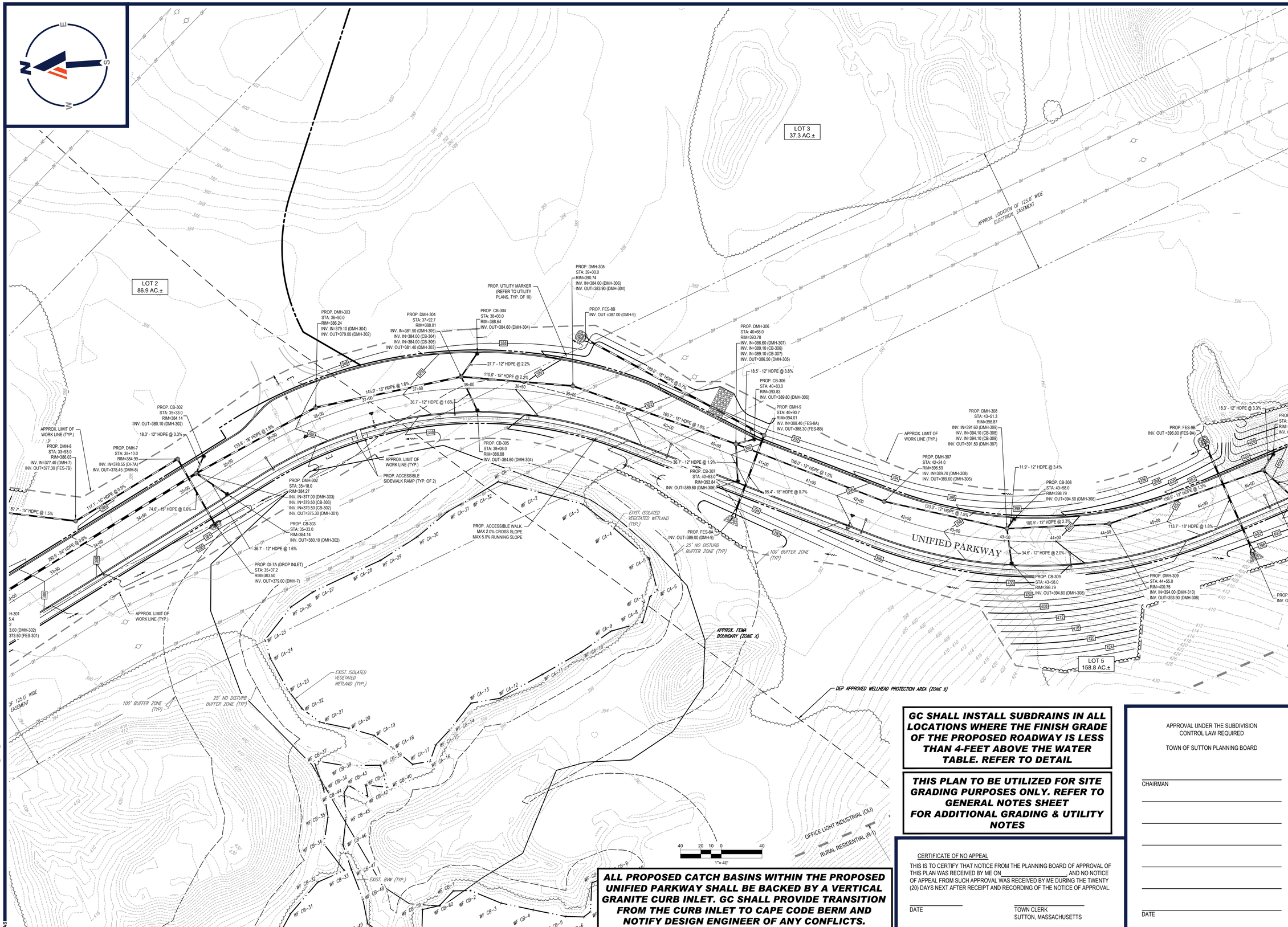
GRADING AND DRAINAGE PLAN C

SHEET NUMBER:

C-404

REVISION 1 - 12/16/2021

P:\211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_GRAD_DEFINITIVE SUB ---- ---LAYOUT: C-404 GRAD C



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TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

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DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.W:\211141-CVL-1_GRAD_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

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MASSACHUSETTS LICENSE No. 41530
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CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 9616
MAINE LICENSE No. 12553

SHEET TITLE:

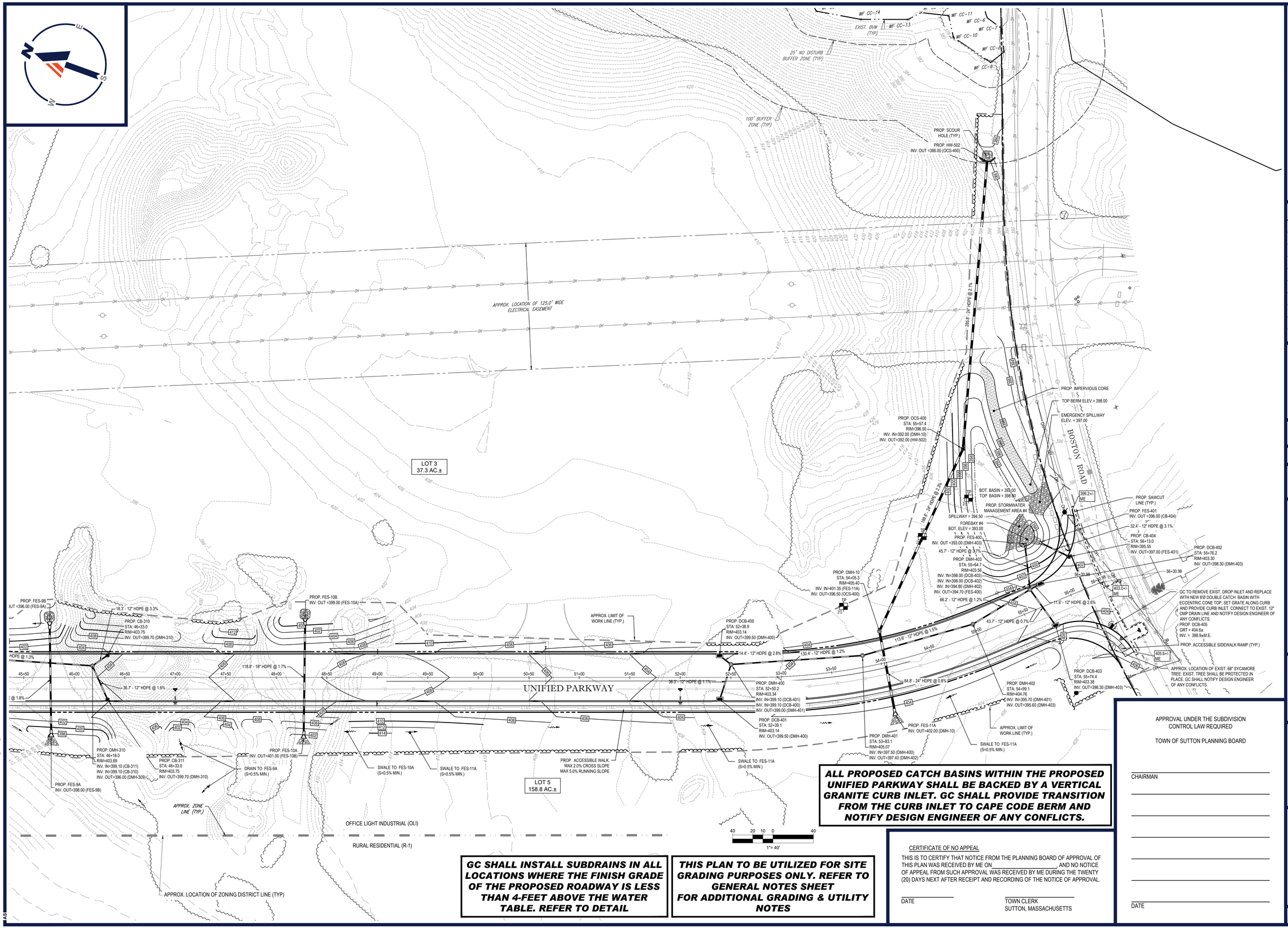
GRADING AND DRAINAGE PLAN D

SHEET NUMBER:

C-405

REVISION 1 - 12/16/2021

P:\211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_GRAD_DEFINITIVE SUB ---->LAYOUT: C-405 GRAD D



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TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

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DRAWN BY:	AJS
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CAD I.D:	W211141-CVL-1_GRAD_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

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CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 06116
MAINE LICENSE No. 12553

SHEET TITLE:

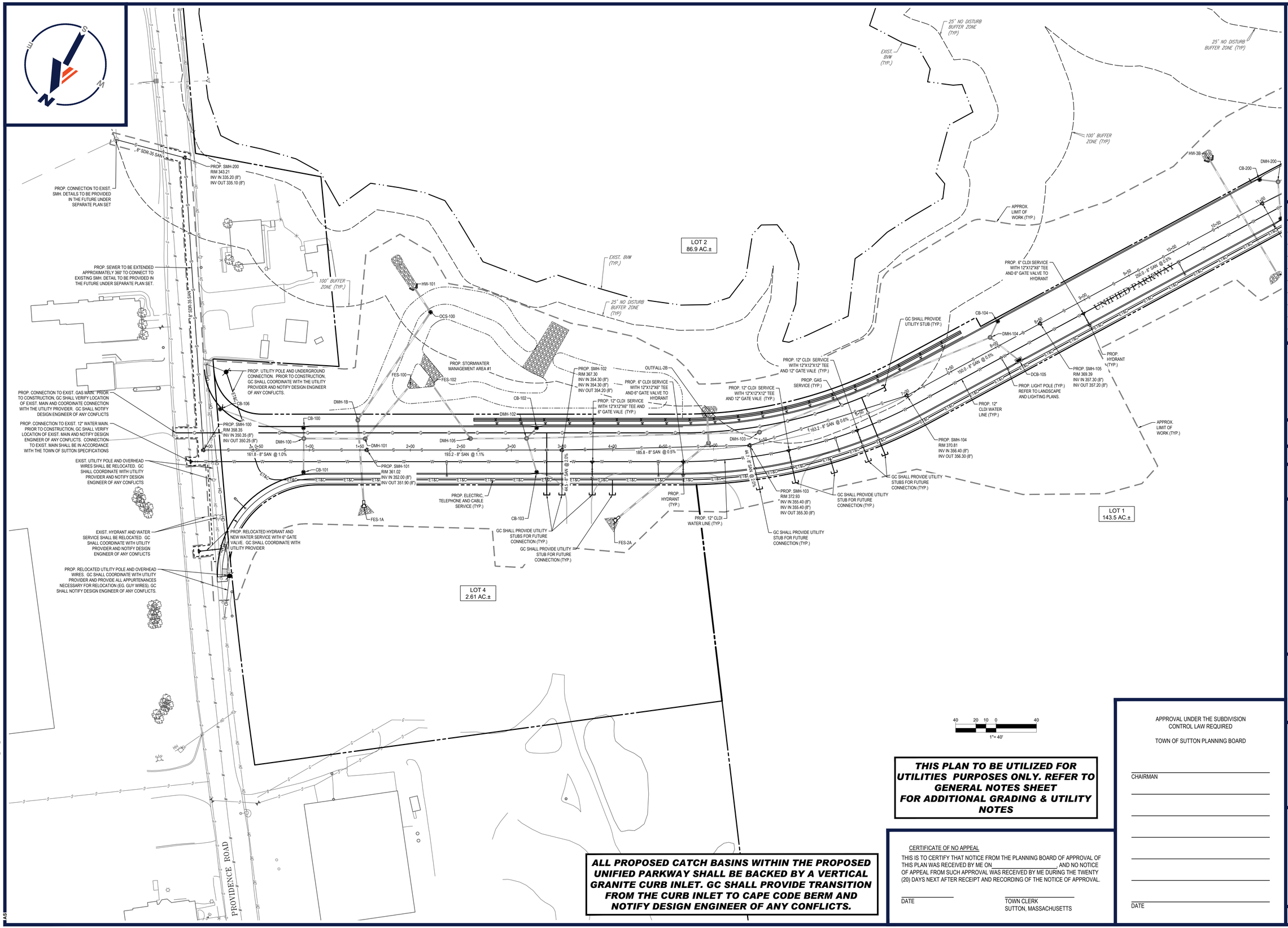
GRADING AND DRAINAGE PLAN E

SHEET NUMBER:

C-406

REVISION 1 - 12/16/2021

P:\2\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_GRAD_DEFINITIVE SUB ---- --- --- --



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40 20 10 0 40
1"= 40'

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TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

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PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

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MAINE LICENSE No. 12553

SHEET TITLE:

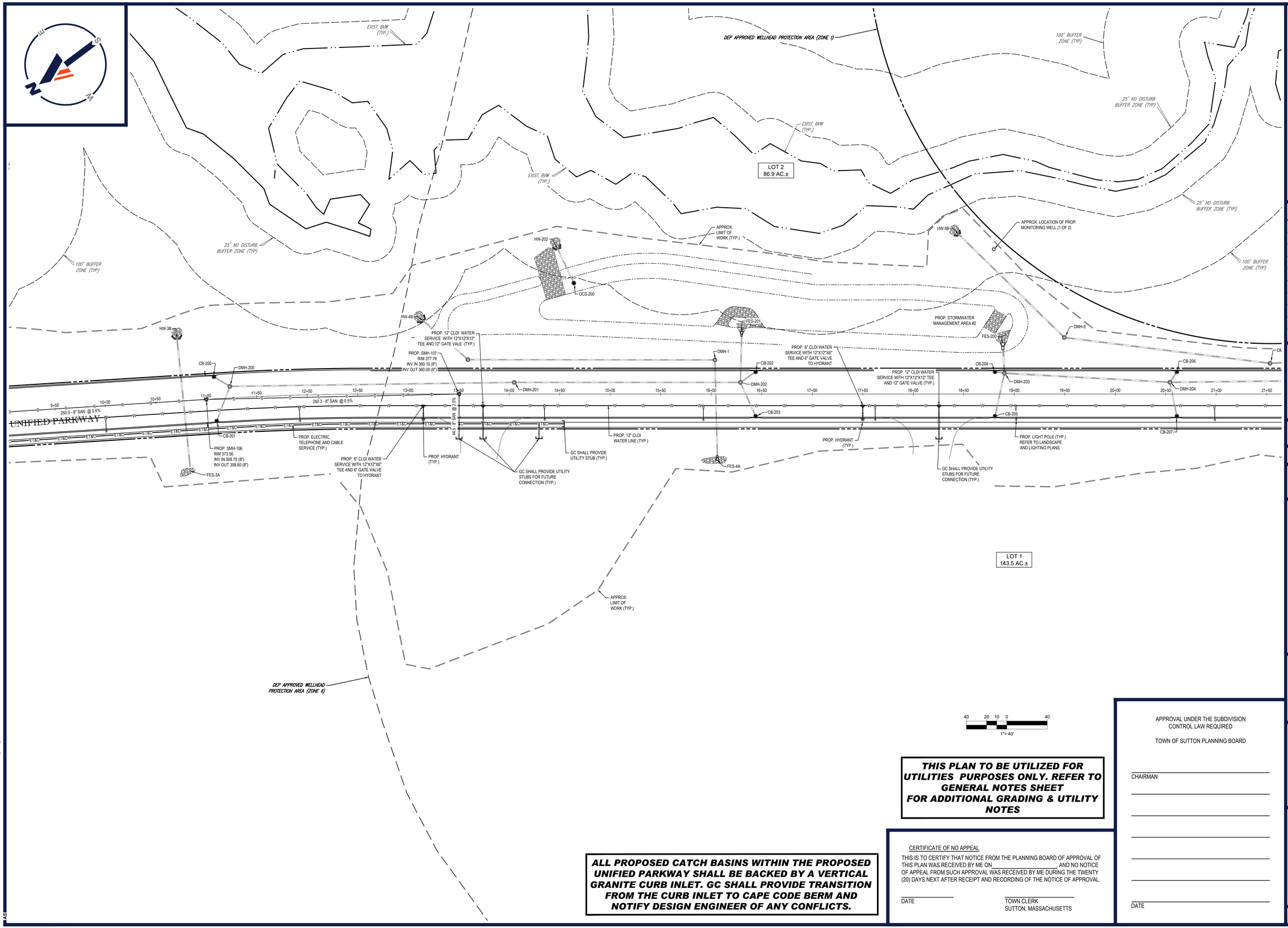
UTILITY PLAN A

SHEET NUMBER:

C-501

REVISION 1 - 12/16/2021

P:\2\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_UTIL_DEFINITIVE SUB----LAYOUT: C-501 UTIL A



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CERTIFICATE OF NO APPEAL

THIS IS TO CERTIFY THAT NOTICE FROM THE PLANNING BOARD OF APPROVAL OF THIS PLAN WAS RECEIVED BY ME ON_____, AND NO NOTICE OF APPEAL FROM SUCH APPROVAL WAS RECEIVED BY ME DURING THE TWENTY (20) DAYS NEXT AFTER RECEIPT AND RECORDING OF THE NOTICE OF APPROVAL.

DATE

TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.: W211141-CVL-1_UTIL_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED²
GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A)
TO BOSTON ROAD,
TOWN OF SUTTON,
WORCESTER COUNTY,
MASSACHUSETTS

BOHLER

352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900

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JOHN A. KUCIC
No. 41530
REGISTERED PROFESSIONAL ENGINEER
MASSACHUSETTS LICENSE No. 41530
NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 06616
MAINE LICENSE No. 12553

SHEET TITLE:

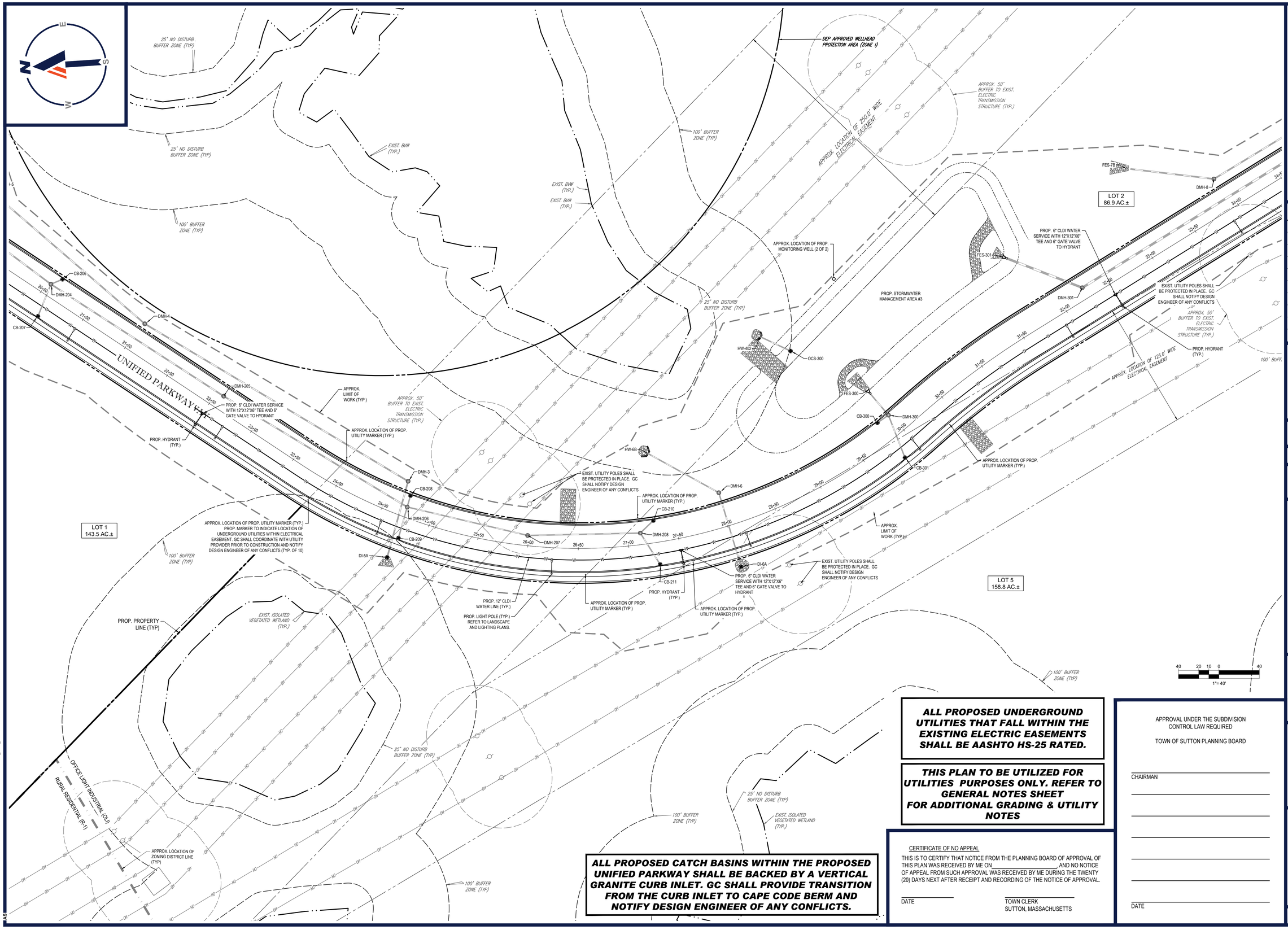
UTILITY PLAN B

SHEET NUMBER:

C-502

REVISION 1 - 12/16/2021

P:\211\W211410\DRAWINGS\PLAN SETS\07-DEFINITVE SUBDIVISION PLAN\W211141-CVL-1_UTIL_DEFINITIVE SUB----1-LAYOUT C-502 UTIL B
AJS



ALL PROPOSED UNDERGROUND UTILITIES THAT FALL WITHIN THE EXISTING ELECTRIC EASEMENTS SHALL BE AASHTO HS-25 RATED.

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DATE

TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.: W211141-CVL-1_UTIL_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

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MASSACHUSETTS LICENSE No. 41530
NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 0616
MAINE LICENSE No. 12553

SHEET TITLE:

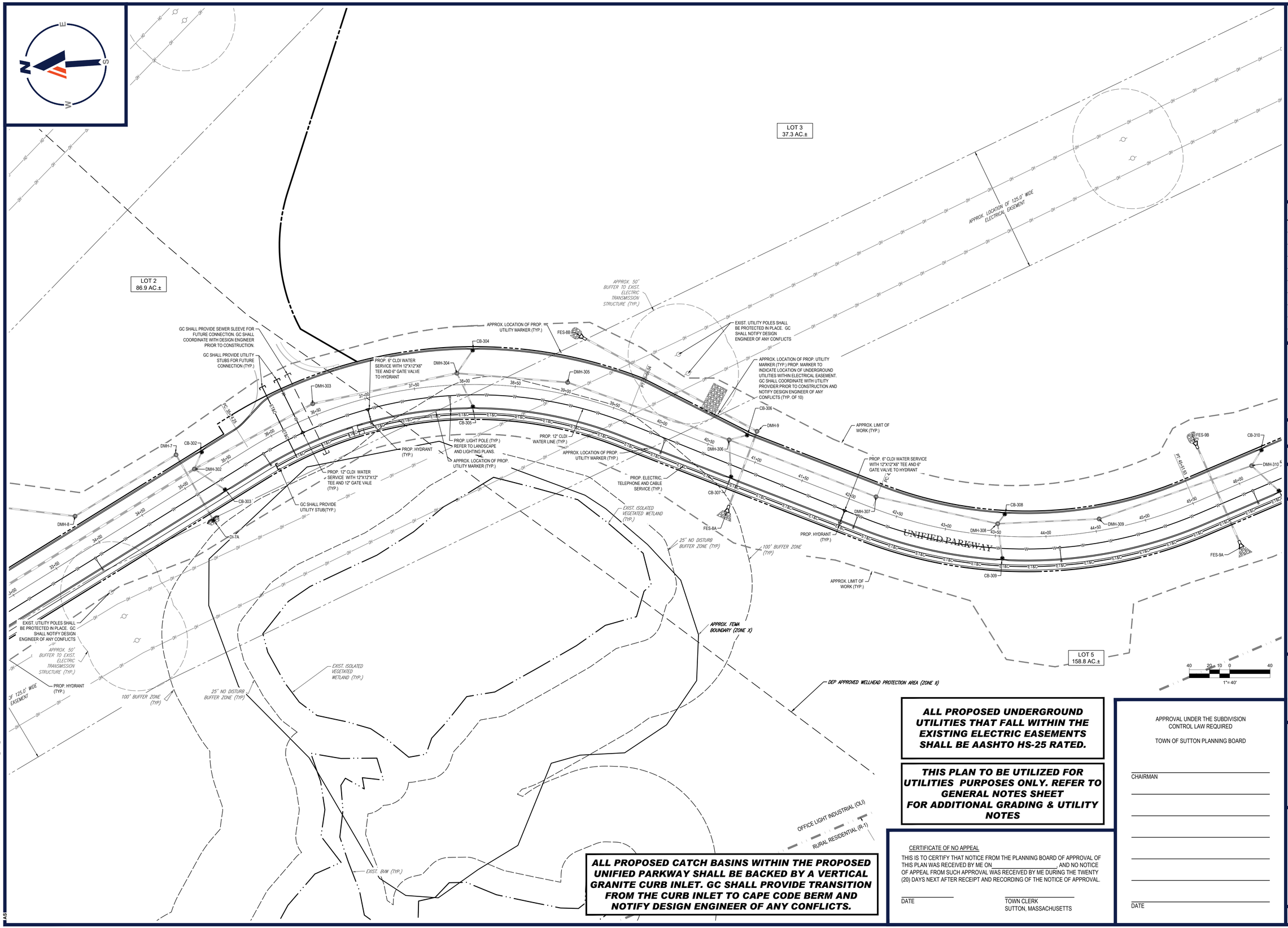
UTILITY PLAN C

SHEET NUMBER:

C-503

REVISION 1 - 12/16/2021

P:\2\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_UTIL_DEFINITIVE SUB----\LAYOUT: C-503 UTIL C
AS



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_____ DATE

_____ TOWN CLERK SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

_____ CHAIRMAN

_____

_____

_____

_____

_____

_____ DATE

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DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.: W211141-CVL-1_UTIL_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

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CIVIL
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REGISTERED PROFESSIONAL ENGINEER

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CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 06016
MAINE LICENSE No. 12553

SHEET TITLE:

UTILITY PLAN D

SHEET NUMBER:

C-504

REVISION 1 - 12/16/2021

P:\2021\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_UTIL_DEFINITIVE SUB----LAYOUT: C-504 UTIL D
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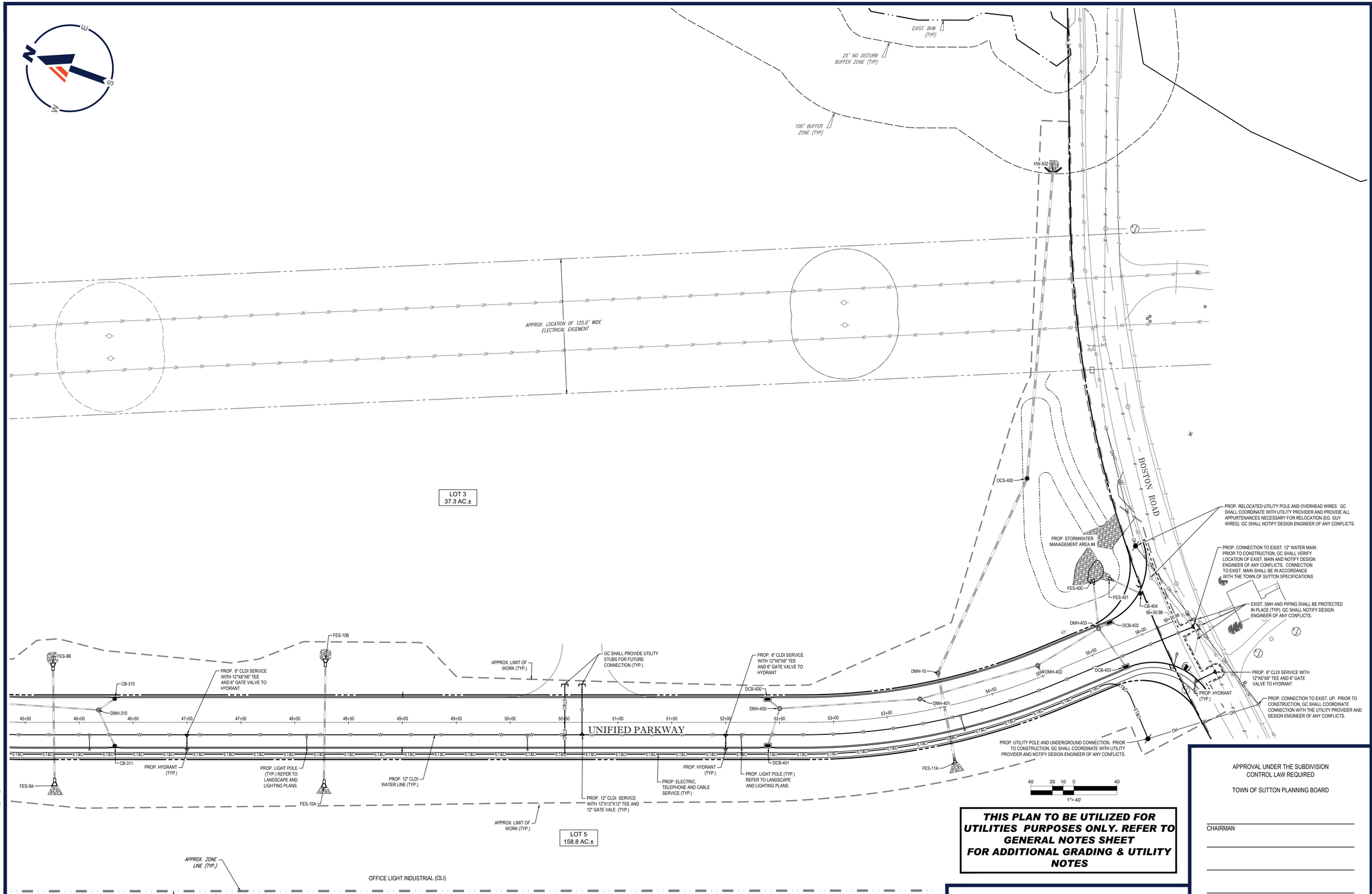

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_____ DATE

_____ TOWN CLERK SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

_____ CHAIRMAN

_____

_____

_____

_____

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.: W211141-CVL-1_UTIL_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

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GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

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CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 9616
MAINE LICENSE No. 12553

SHEET TITLE:

UTILITY PLAN E

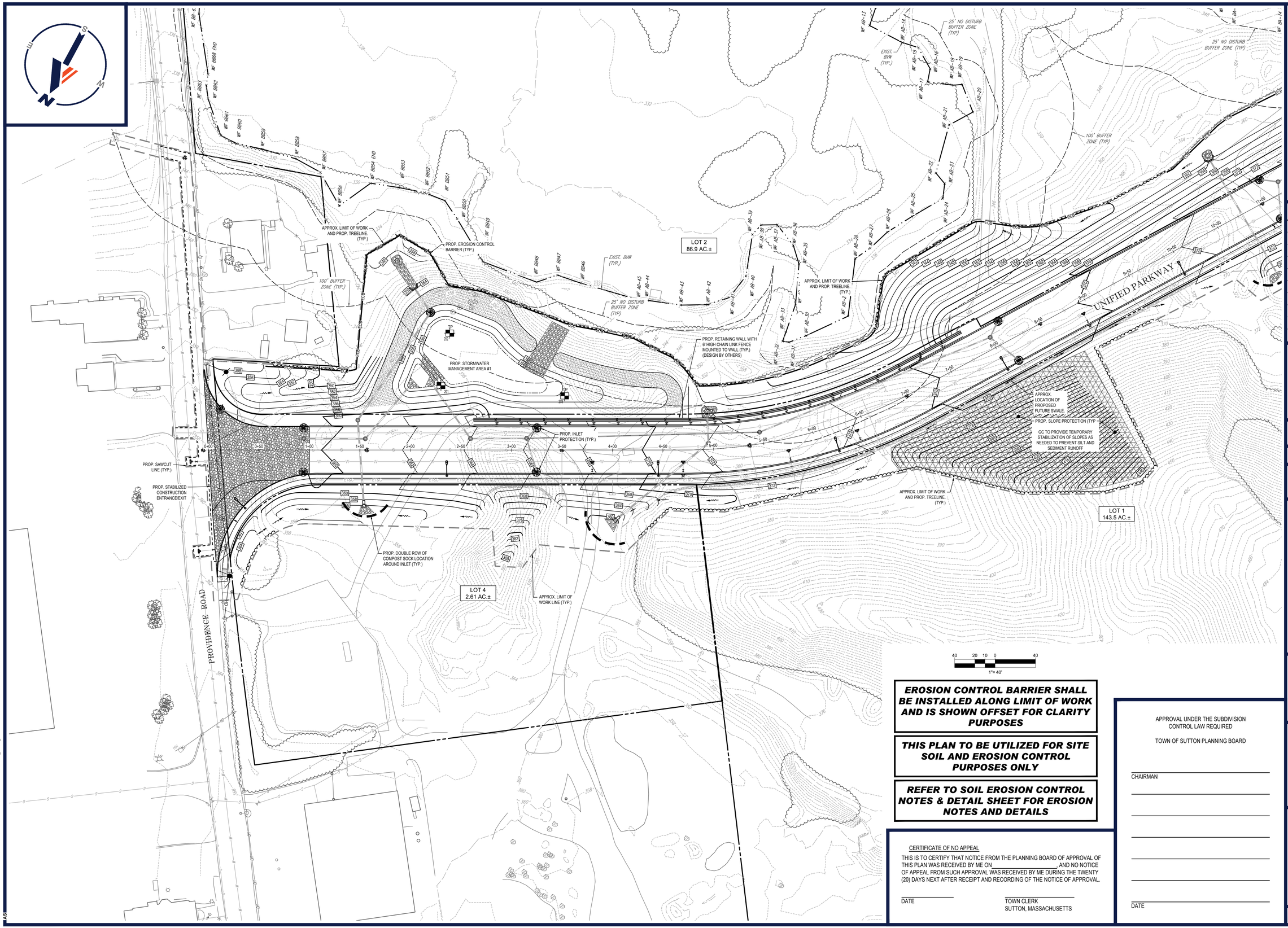
SHEET NUMBER:

C-505

REVISION 1 - 12/16/2021

P:\2019\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_UTIL_DEFINITIVE SUB——LAYOUT C-505 UTIL E

AJS



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DATE

TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.:W211141-CVL-1_EROS_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

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MASSACHUSETTS LICENSE No. 41530
NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 9616
MAINE LICENSE No. 12553

SHEET TITLE:

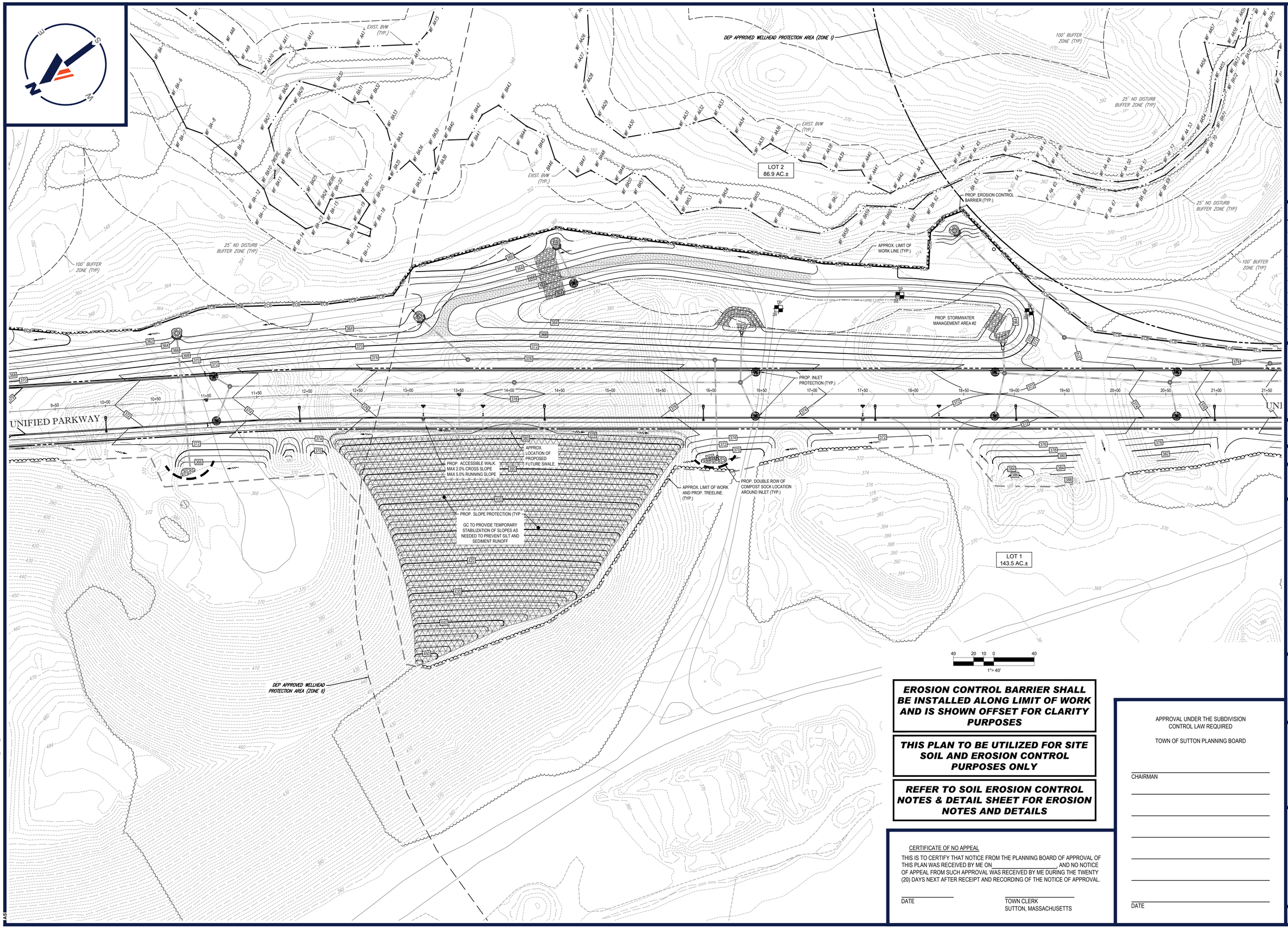
SOIL EROSION & SEDIMENT CONTROL PLAN A

SHEET NUMBER:

C-601

REVISION 1 - 12/16/2021

P:\211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_EROS_DEFINITIVE SUB------LAYOUT: C-601 EROS A
AJS



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CERTIFICATE OF NO APPEAL

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DATE

TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.W:211141-CVL-1_EROS_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

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MASSACHUSETTS LICENSE No. 41530
NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 06616
MAINE LICENSE No. 12553

SHEET TITLE:

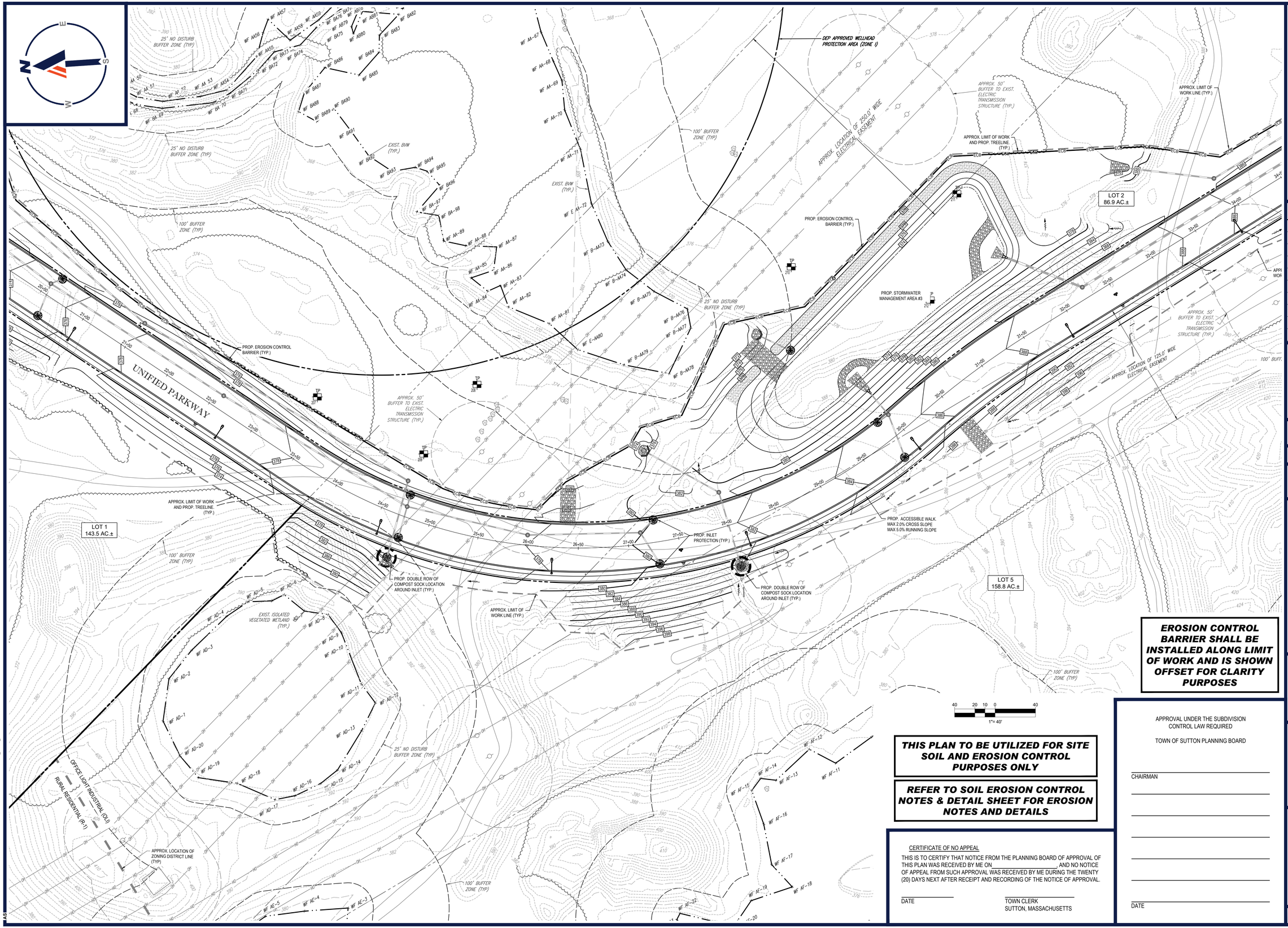
SOIL EROSION & SEDIMENT CONTROL PLAN B

SHEET NUMBER:

C-602

REVISION 1 - 12/16/2021

P:\2021\W211410\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_EROS_DEFINITIVE SUB ----> LAYOUT: C-602 EROS B
AJS



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DATE

TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.W211141-CVL-1_EROS_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

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MASSACHUSETTS LICENSE No. 41530
NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 9616
MAINE LICENSE No. 12553

SHEET TITLE:

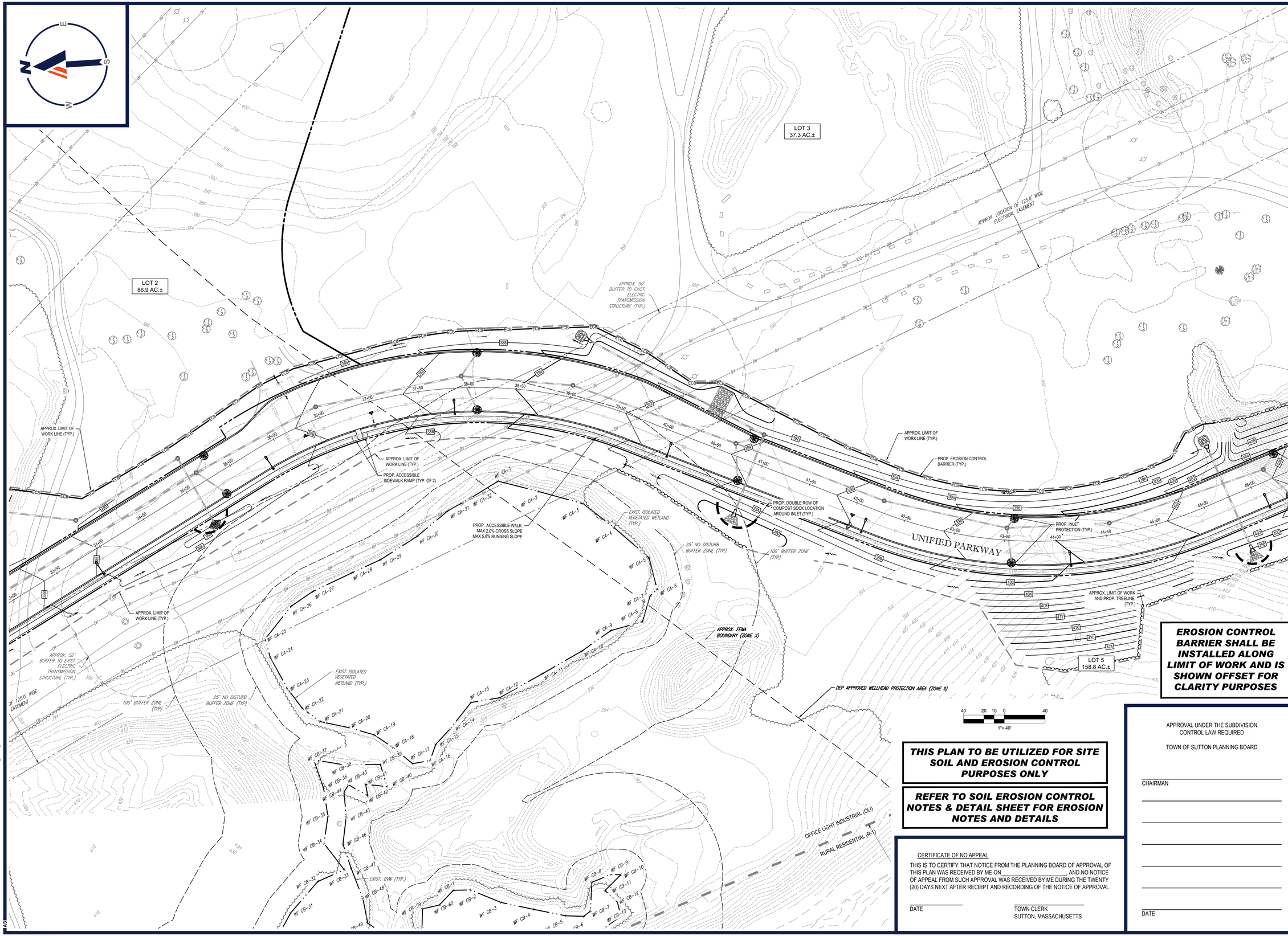
SOIL EROSION & SEDIMENT CONTROL PLAN C

SHEET NUMBER:

C-603

REVISION 1 - 12/16/2021

P:\211\W211141\DRAWING\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_EROS_DEFINITIVE SUB ---- LAYOUT: C-603 EROS C



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DATE

TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.W:211141-CVL-1_EROS_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

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RHODE ISLAND LICENSE No. 9616
MAINE LICENSE No. 12553

SHEET TITLE:

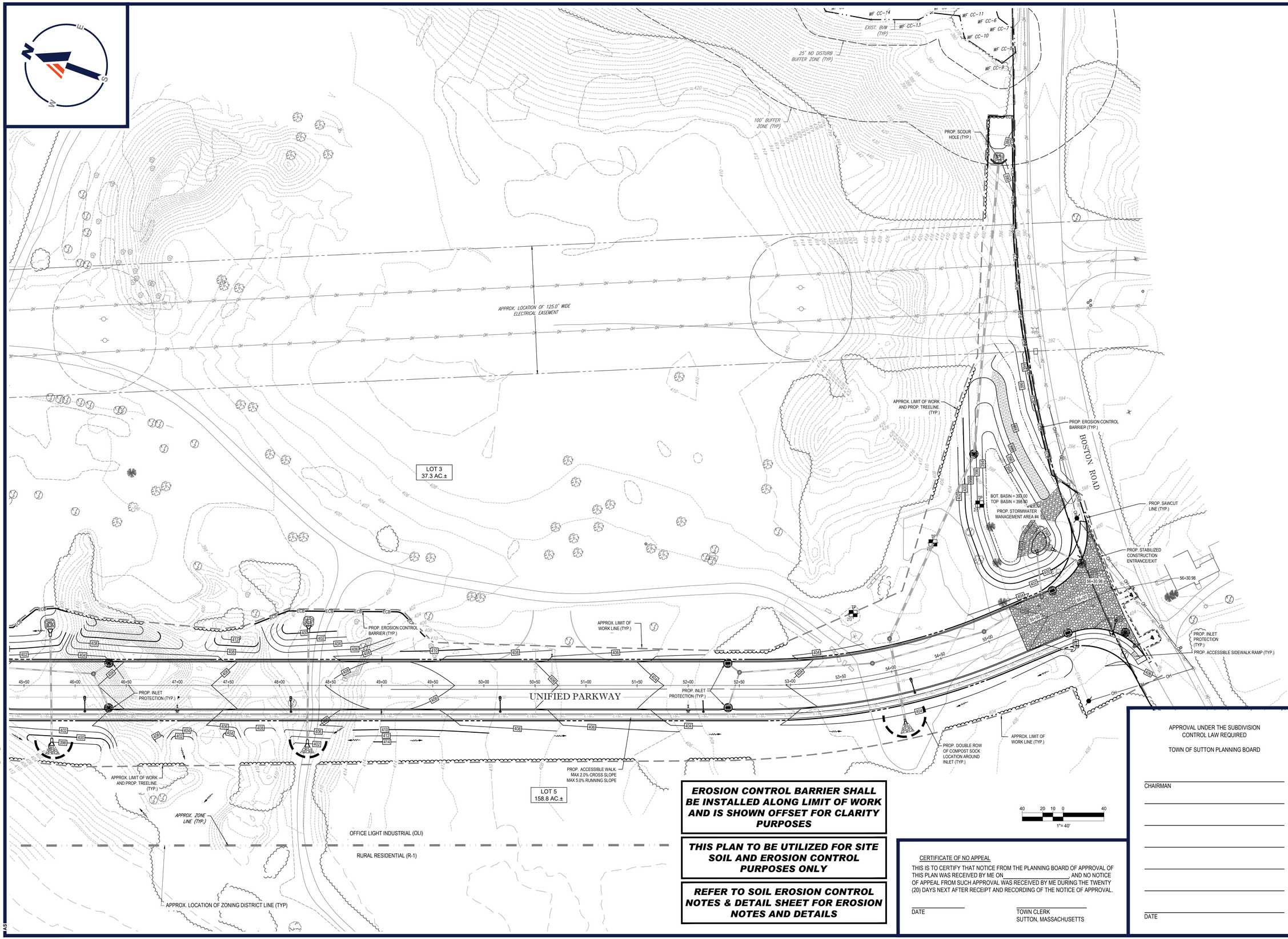
SOIL EROSION & SEDIMENT CONTROL PLAN D

SHEET NUMBER:

C-604

REVISION 1 - 12/16/2021

P:\21\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_EROS_DEFINITIVE SUB----LAYOUT: C-604 EROS D



EROSION CONTROL BARRIER SHALL BE INSTALLED ALONG LIMIT OF WORK AND IS SHOWN OFFSET FOR CLARITY PURPOSES

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FOR

UNIFIED² GLOBAL PACKAGING GROUP

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SHEET TITLE:

SOIL EROSION & SEDIMENT CONTROL PLAN E

SHEET NUMBER:

C-605

REVISION 1 - 12/16/2021

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AJS

EROSION AND SEDIMENT CONTROL NOTES

1. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE AS SET FORTH IN THE MOST CURRENT STATE SEDIMENT AND EROSION CONTROL MANUAL.

2. THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL. IF THE DISTURBANCE IS WITHIN 100 FEET OF A STREAM OR POND, THE AREA SHALL BE STABILIZED WITHIN 7 DAYS OR PRIOR TO ANY STORM EVENT (THIS WOULD INCLUDE WETLANDS).

3. SEDIMENT BARRIERS (SILT FENCE, STRAW BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.

4. INSTALL SILTATION BARRIER AT TOE OF SLOPE TO FILTER SILT FROM RUNOFF. SEE SILTATION BARRIER DETAILS FOR PROPER INSTALLATION. SILTATION BARRIER WILL REMAIN IN PLACE PER NOTE #5.

5. ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE STABILIZED BY TURF.

6. NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO TO ONE (2:1).

7. IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY MULCH (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.

8. TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST TO PROTECT FROM SPRING RUNOFF PROBLEMS.

9. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND REGRADED ONTO OPEN AREAS.

10. REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS:

10.1. SIX INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.

10.2. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 800 LB PER ACRE OR 18.4 LB PER 1,000 SF USING 10-20-20 OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB PER1,000 SF).

10.3. FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEEDED TO A MIXTURE OF 47% CREEPING RED FESCUE, 5% REDTOP, AND 48% TALL FESCUE. THE LAWN AREAS WILL BE SEEDED TO A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUE-GRASS, 44% CREEPING RED FESCUE, AND 12% PERENNIAL RYEGRASS: SEEDING RATE IS 1.03 LBS PER 1,000 SF LAWN QUALITY SOD MAY BE SUBSTITUTED FOR SEED.

10.4. STRAW MULCH AT THE RATE OF 70-90 LBS PER 1,000 SF. A HYDRO-APPLICATION OF WOOD OR PAPER FIBER SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS WILL BE USED ON STRAW MULCH FOR WIND CONTROL.

11. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS STABILIZED.

12. WETLANDS WILL BE PROTECTED W/ STRAW, COMPOST, AND/OR SILT FENCE BARRIERS INSTALLED AT THE EDGE OF THE WETLAND OR THE BOUNDARY OF WETLAND DISTURBANCE.

13. ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL HAVE AN EXPOSURE WINDOW OF NOT MORE THAN 7 DAYS.

14. ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL FOLLOW APPROPRIATE EROSION CONTROL MEASURES PRIOR TO EACH STORM IF NOT BEING ACTIVELY WORKED,

MULCH

LOCATION	MULCH	RATE (1000 SF)
PROTECT AREA	STRAW	100 POUNDS
WINDY AREA	SHREDDED OR CHOPPED CORNSTALKS STRAW (ANCHORED)*	185-275 POUNDS 100 POUNDS
MODERATE TO HIGH VELOCITY AREAS OR STEEP SLOPES GREATER THAN 3:1	JUTE MESH OR EXCELSIOR MAT	AS REQUIRED
GREATER THAN 3:1	(REFER TO GEOTECHNICAL REPORT FOR FINAL DESIGN REQUIREMENT)	

* A HYDRO-APPLICATION OF WOOD, OR PAPER FIBER MAY BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS SHALL BE USED ON STRAW MULCH FOR WIND CONTROL.

MULCH ANCHORING
ANCHOR MULCH WITH PEG AND TWINE (1 SQ. YD/BLOCK); MULCH NETTING (AS PER MANUFACTURER); WOOD CELLULOSE FIBER (750 LBS/ACRE); CHEMICAL TACK (AS PER MANUFACTURER'S SPECIFICATIONS); USE OF A SERRATED STRAIGHT DISK. WETTING FOR SMALL AREAS AND ROAD DITCHES MAY BE PERMITTED.

EROSION CONTROL NOTES DURING WINTER CONSTRUCTION

1. WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.

2. WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT THE AMOUNT OF AREA OPEN AT ONE TIME IS MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE AND IN CONFORMANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN SUCH THAT ADEQUATE PROVISIONS ARE EMPLOYED TO CONTROL STORMWATER RUNOFF.

3. CONTINUATION OF EARTHWORK OPERATION ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE.

4. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR STRAW AT A RATE OF 100 LB. PER 1,000 SQUARE FEET (WITH OR WITHOUT SEEDING) OR DORMANT SEEDED, MULCHED AND ADEQUATELY ANCHORED BY AN APPROVED ANCHORING TECHNIQUE.

5. FOR AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR A PERIOD EXCEEDING 14 DAYS BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 1ST, LOAM OR SEED WILL NOT BE REQUIRED. THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED. IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED AND IS SMOOTH, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 200-300% HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED AS APPLICABLE. SLOPES SHALL NOT BE LEFT UNSTABILIZED OVER THE WINTER OR IN AREAS WHERE WORK HAS CEASED FOR MORE THAN 14 DAYS UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF SEDIMENT BARRIERS OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS.

6. MULCHING REQUIREMENTS:

6.1. BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 15TH ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING OR WOOD CELLULOSE FIBER.

6.2. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPE EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%.

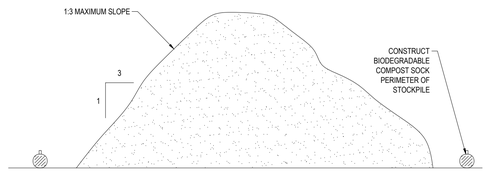
6.3. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.

7. ALL DISTURBED AREAS SHALL BE STABILIZED IN ACCORDANCE WITH THE STORMWATER PREVENTION PLAN.

8. DURING THE WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.

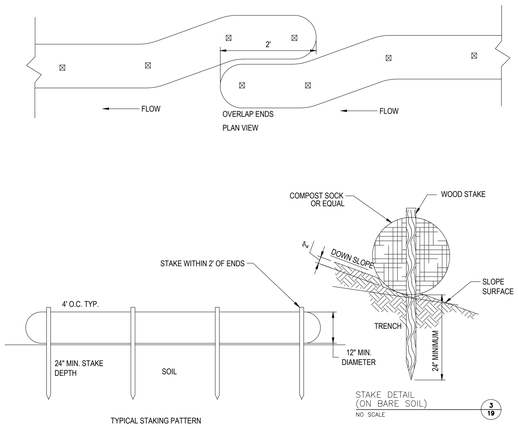
9. STOCKPILING OF MATERIALS (DIRT, WOOD, CONSTRUCTION MATERIALS, ETC.) MUST REMAIN COVERED AT ALL TIMES TO MINIMIZE ANY DUST PROBLEMS THAT MAY OCCUR WITH ADJACENT PROPERTIES AND TO PROVIDE MAXIMUM PROTECTION AGAINST EROSION RUNOFF.

10. EXISTING CATCH BASIN STRUCTURES SHALL BE PROTECTED UNTIL SUCH TIME AS THEY ARE REMOVED.

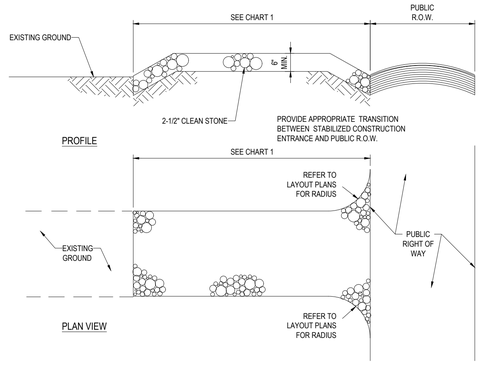


TEMPORARY STOCKPILE

N.T.S.



BIODEGRADABLE COMPOST SOCK
(N.T.S.)



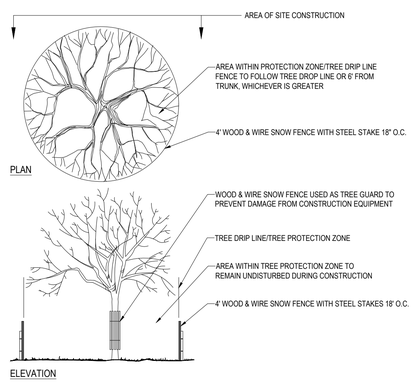
PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED	
	COARSE GRAINED SOILS	FINE GRAINED SOILS
0 TO 2%	50 FT	100 FT
2% TO 5%	100 FT	200FT
>5%	ENTIRE ENTRANCE STABILIZED WITH FABC BASE COURSE (1)	

(1) AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER GOVERNING AUTHORITY.

CHART 1

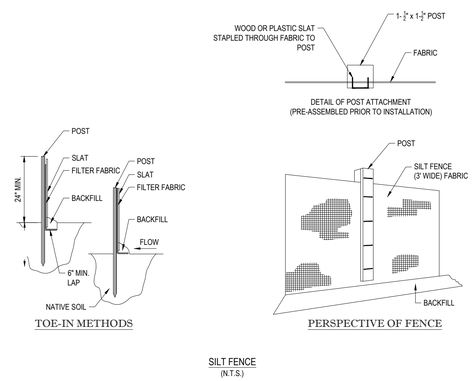
STABILIZED CONSTRUCTION ENTRANCE

N.T.S.



TREE PROTECTION DURING SITE CONSTRUCTION

N.T.S.

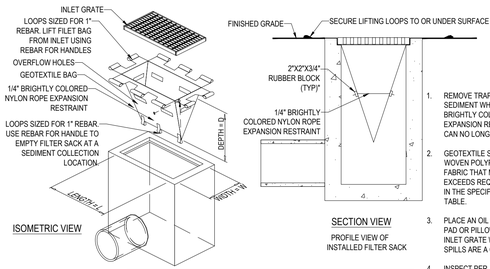


SILT FENCE
(N.T.S.)

INSTALLATION:
1. EXCAVATE A 6"x 6" TRENCH ALONG THE LINE OF EROSION CONTROL OF THE SITE.
2. UNROLL SILTATION FENCE AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM FLOW DIRECTION).
3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS LAYING ACROSS THE TRENCH BOTTOM.
4. LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING FABRIC FLAP ON UNDISTURBED GROUND AND PILING & TAMP- ING FILL AT THE BASE.

EROSION CONTROL BARRIER (ECB) DETAIL

N.T.S.



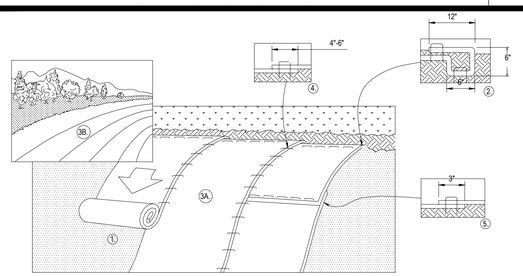
1. REMOVE TRAPPED SEDIMENT WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
3. PLACE AN OIL ADSORBENT PAD OR PILLOW OVER INLET GRATE WHEN OIL SPILLS ARE A CONCERN.
4. INSPECT PER REGULATORY REQUIREMENTS.
5. THE WIDTH, "W", OF THE FILTER SACK SHALL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH, "D", OF THE FILTER SACK SHALL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L", OF THE FILTER SACK SHALL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80%
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC-1
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90%
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC-1

NOTE:
DO NOT USE IN PAVED AREAS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

FILTER SACKS (GRATED INLETS)

N.T.S.



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS PER MANUFACTURES RECOMMENDATIONS.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 4"-6" OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3"OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12"APART ACROSS ENTIRE BLANKET WIDTH.
6. PLACE STAPLES/STAKES PER MANUFACTURE RECOMMENDATION FOR THE APPROPRIATE SLOPE BEING APPLIED.

NOTES:
1. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
2. FOLLOW EROSION CONTROL TECHNOLOGY COUNCIL SPECIFICATION FOR PRODUCT SELECTION
3. AT A MINIMUM, THE EROSION CONTROL MATTING SHALL BE INSTALLED ON SLOPES GREATER THAN 3:1 WITHIN THE 100-FOOT BUFFER ZONE.

EROSION CONTROL MATTING

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_____ DATE

_____ TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

_____ CHAIRMAN

_____

_____

_____

_____

_____

_____ DATE

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CAD I.D.W:\211141-CVL-1_EROS_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

BOHLER
352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
www.BohlerEngineering.com

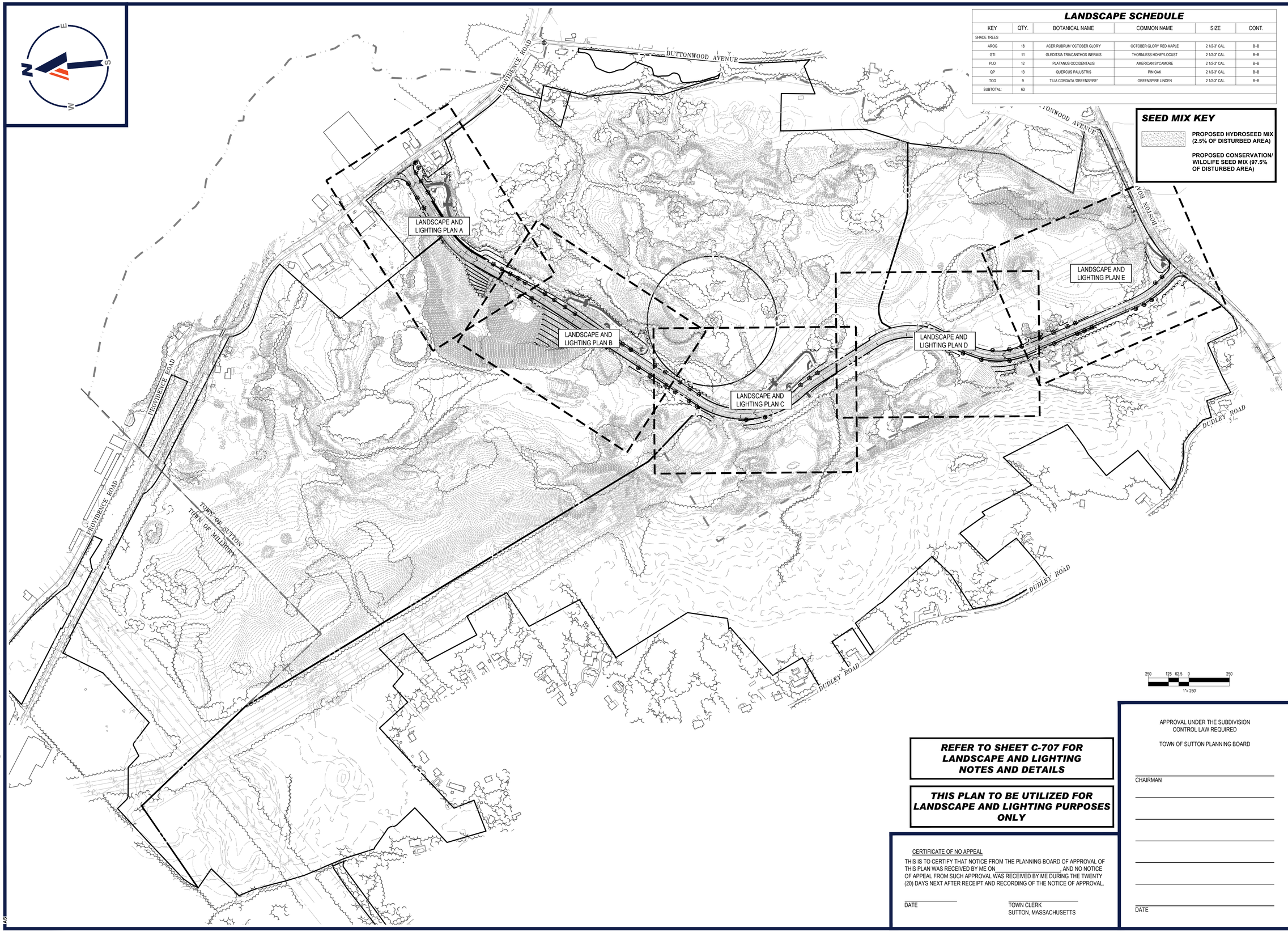
COMMONWEALTH OF MASSACHUSETTS
JOHN A. KUCIS III
CIVIL
No. 41530
REGISTERED PROFESSIONAL ENGINEER
MASSACHUSETTS LICENSE No. 41530
NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 06616
MAINE LICENSE No. 12553

SHEET TITLE:
EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

SHEET NUMBER:
C-606

REVISION 1 - 12/16/2021

P:\211\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_EROS_DEFINITIVE SUB ---- LAYOUT: C-606-ENOTE
AS



LANDSCAPE SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
SHADE TREES					
AROG	18	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2 1/2-3" CAL.	B+B
GTI	11	GLEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEYLOCUST	2 1/2-3" CAL.	B+B
PLO	12	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	2 1/2-3" CAL.	B+B
QP	13	QUERCUS PALUSTRIS	PIN OAK	2 1/2-3" CAL.	B+B
TCG	9	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LINDEN	2 1/2-3" CAL.	B+B
SUBTOTAL:	63				

SEED MIX KEY

PROPOSED HYDROSEED MIX (2.5% OF DISTURBED AREA)

PROPOSED CONSERVATION/ WILDLIFE SEED MIX (97.5% OF DISTURBED AREA)

REFER TO SHEET C-707 FOR LANDSCAPE AND LIGHTING NOTES AND DETAILS

THIS PLAN TO BE UTILIZED FOR LANDSCAPE AND LIGHTING PURPOSES ONLY

CERTIFICATE OF NO APPEAL

THIS IS TO CERTIFY THAT NOTICE FROM THE PLANNING BOARD OF APPROVAL OF THIS PLAN WAS RECEIVED BY ME ON_____, AND NO NOTICE OF APPEAL FROM SUCH APPROVAL WAS RECEIVED BY ME DURING THE TWENTY (20) DAYS NEXT AFTER RECEIPT AND RECORDING OF THE NOTICE OF APPROVAL.

DATE

TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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REV	DATE	COMMENT	DRAWN BY / CHECKED BY
1	12/16/2021	PEER REVIEW COMMENTS	AJS / JK / KC

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.: W211141-LND-1_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED2 GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

BOHLER

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SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900

www.BohlerEngineering.com

MATTHEW J. KUCZYNSKI
COMMONWEALTH OF MASSACHUSETTS
REGISTERED LANDSCAPE ARCHITECT
No. 3052

SHEET TITLE:

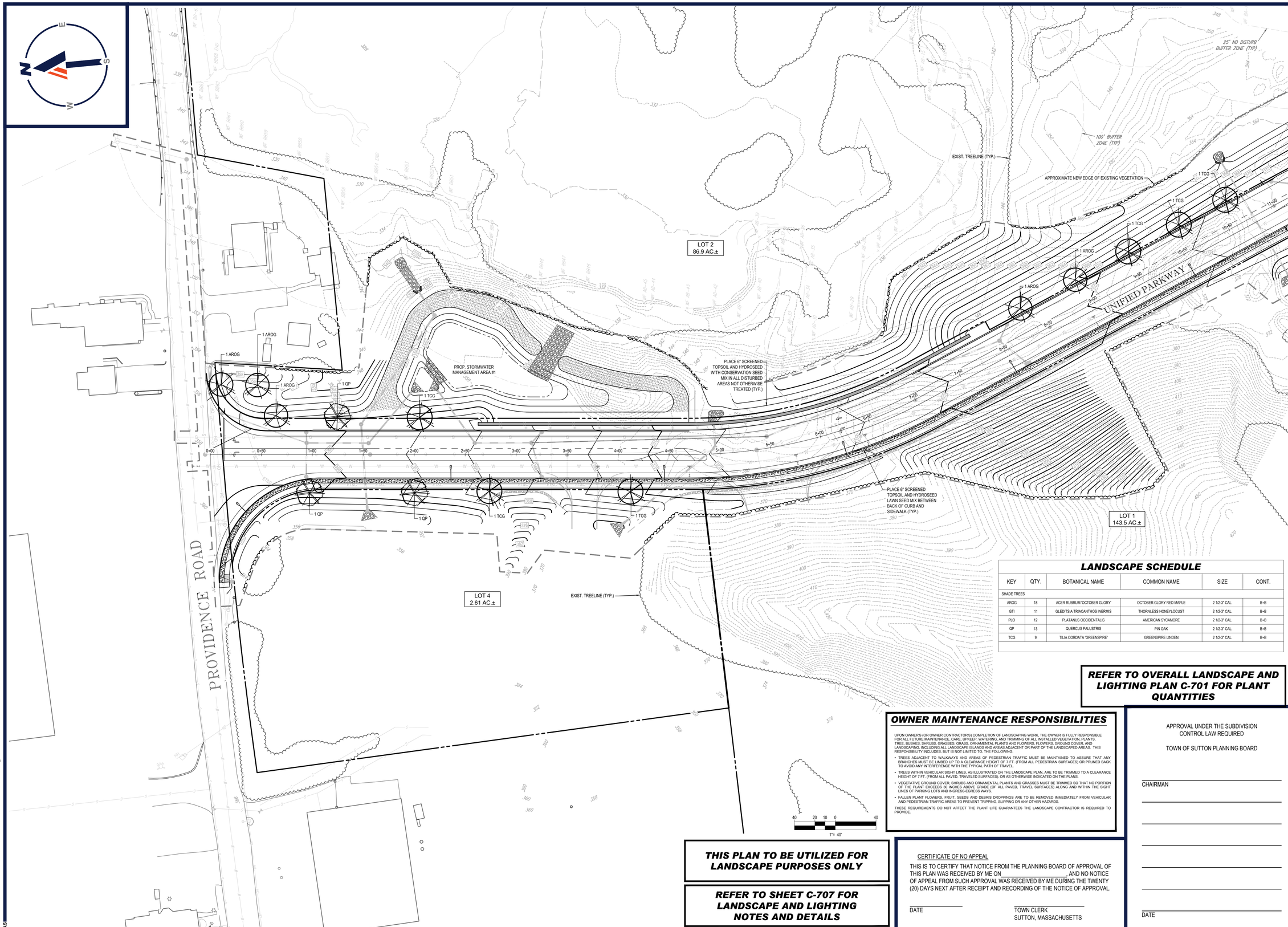
OVERALL LANDSCAPE AND LIGHTING PLAN

SHEET NUMBER:

C-701

REVISION 1 - 12/16/2021

P:\2\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-LND-1_DEFINITIVE SUB------LAYOUT: C-701-OVERALL LAND AND LIGHT
AJS



LANDSCAPE SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
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PLO	12	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	2 1/2-3" CAL.	B+B
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TCG	9	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LINDEN	2 1/2-3" CAL.	B+B

REFER TO OVERALL LANDSCAPE AND LIGHTING PLAN C-701 FOR PLANT QUANTITIES

OWNER MAINTENANCE RESPONSIBILITIES

UPON OWNER'S (OR OWNER CONTRACTOR'S) COMPLETION OF LANDSCAPING WORK, THE OWNER IS FULLY RESPONSIBLE FOR ALL FUTURE MAINTENANCE, CARE, UPKEEP, WATERING, AND TRIMMING OF ALL INSTALLED VEGETATION, PLANTS, TREE, BUSHES, SHRUBS, GRASSES, GRASS, ORNAMENTAL PLANTS AND FLOWERS, FLOWERS, GROUND COVER, AND LANDSCAPING, INCLUDING ALL LANDSCAPE ISLANDS AND AREAS ADJACENT OR PART OF THE LANDSCAPED AREAS. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:

- TREES ADJACENT TO WALKWAYS AND AREAS OF PEDESTRIAN TRAFFIC MUST BE MAINTAINED TO ASSURE THAT ANY BRANCHES MUST BE LIMBED UP TO A CLEARANCE HEIGHT OF 7 FT. (FROM ALL PEDESTRIAN SURFACES) OR PRUNED BACK TO AVOID ANY INTERFERENCE WITH THE TYPICAL PATH OF TRAVEL.
- TREES WITHIN VEHICULAR SIGHT LINES, AS ILLUSTRATED ON THE LANDSCAPE PLAN, ARE TO BE TRIMMED TO A CLEARANCE HEIGHT OF 7 FT. (FROM ALL PAVED, TRAVELED SURFACES), OR AS OTHERWISE INDICATED ON THE PLANS.
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- FALLEN PLANT FLOWERS, FRUIT, SEEDS AND DEBRIS DROPPINGS ARE TO BE REMOVED IMMEDIATELY FROM VEHICULAR AND PEDESTRIAN TRAFFIC AREAS TO PREVENT TRIPPING, SLIPPING OR ANY OTHER HAZARDS.

THESE REQUIREMENTS DO NOT AFFECT THE PLANT LIFE GUARANTEES THE LANDSCAPE CONTRACTOR IS REQUIRED TO PROVIDE.

THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY

REFER TO SHEET C-707 FOR LANDSCAPE AND LIGHTING NOTES AND DETAILS

CERTIFICATE OF NO APPEAL

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TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.: W211141-LND-1_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED2 GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

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Phone: (508) 480-9900
www.BohlerEngineering.com

COMMONWEALTH OF MASSACHUSETTS
REGISTERED LANDSCAPE ARCHITECT

SHEET TITLE:

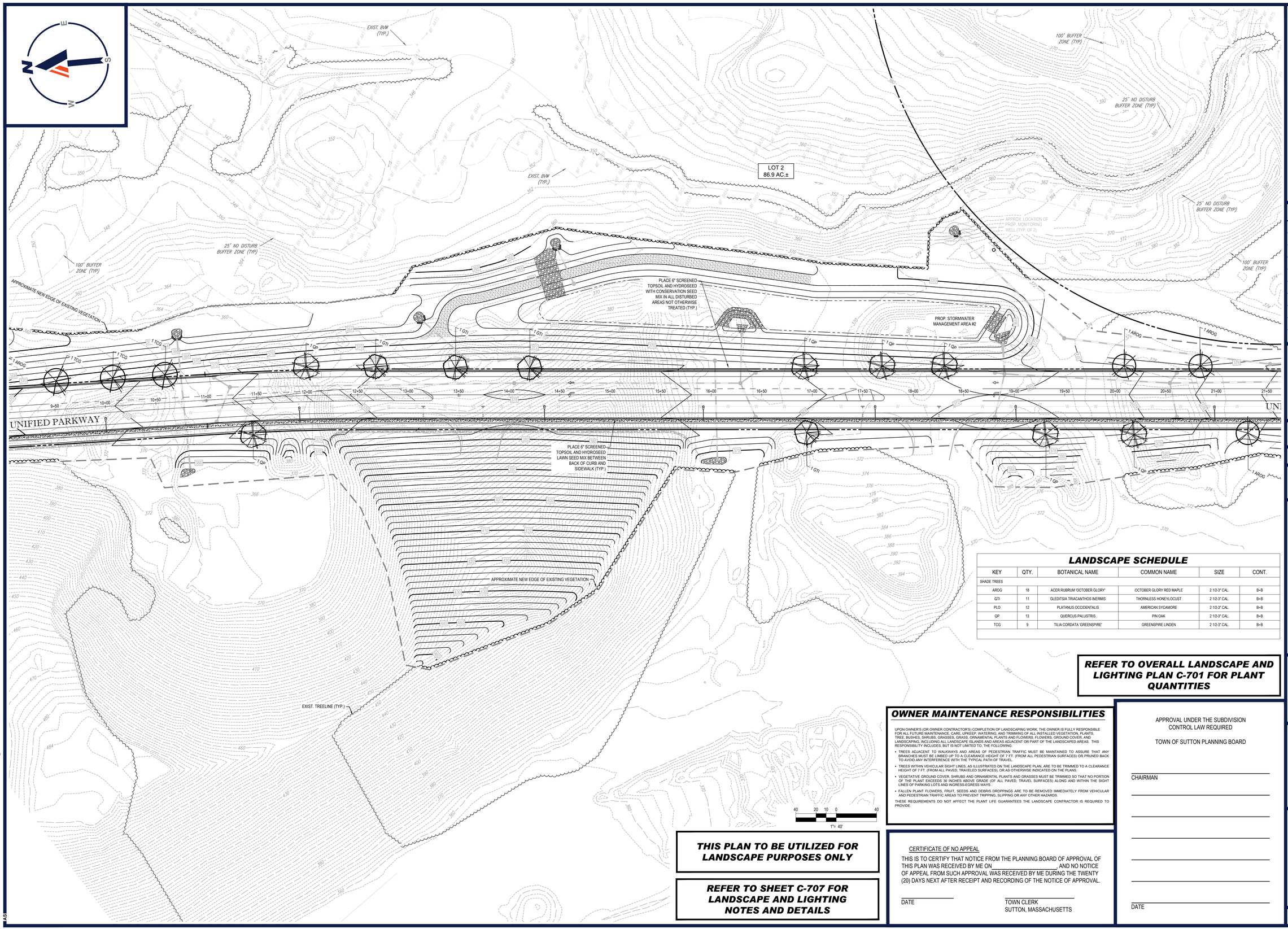
LANDSCAPE AND LIGHTING PLAN A

SHEET NUMBER:

C-702

REVISION 1 - 12/16/2021

P:\W211141\DRAWINGS\PLAN SETS\07-DEFINITVE SUBDIVISION PLAN\W211141-LND-1_DEFINITIVE SUB----LAYOUT: C-702-LAND



LANDSCAPE SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
SHADE TREES					
AROG	18	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2 1/2-3" CAL.	B+B
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PLO	12	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	2 1/2-3" CAL.	B+B
QP	13	QUERCUS PALUSTRIS	PIN OAK	2 1/2-3" CAL.	B+B
TCG	9	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LINDEN	2 1/2-3" CAL.	B+B

REFER TO OVERALL LANDSCAPE AND LIGHTING PLAN C-701 FOR PLANT QUANTITIES

OWNER MAINTENANCE RESPONSIBILITIES

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THESE REQUIREMENTS DO NOT AFFECT THE PLANT LIFE GUARANTEES THE LANDSCAPE CONTRACTOR IS REQUIRED TO PROVIDE.

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REFER TO SHEET C-707 FOR LANDSCAPE AND LIGHTING NOTES AND DETAILS

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DATE

TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

BOHLER

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1	12/16/2021	PEER REVIEW COMMENTS	AJS / JK / KC

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.: W211141-LND-1_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

BOHLER
352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
www.BohlerEngineering.com

MASSACHUSETTS REGISTERED LANDSCAPE ARCHITECT

SHEET TITLE:

LANDSCAPE AND LIGHTING PLAN B

SHEET NUMBER:

C-703

REVISION 1 - 12/16/2021

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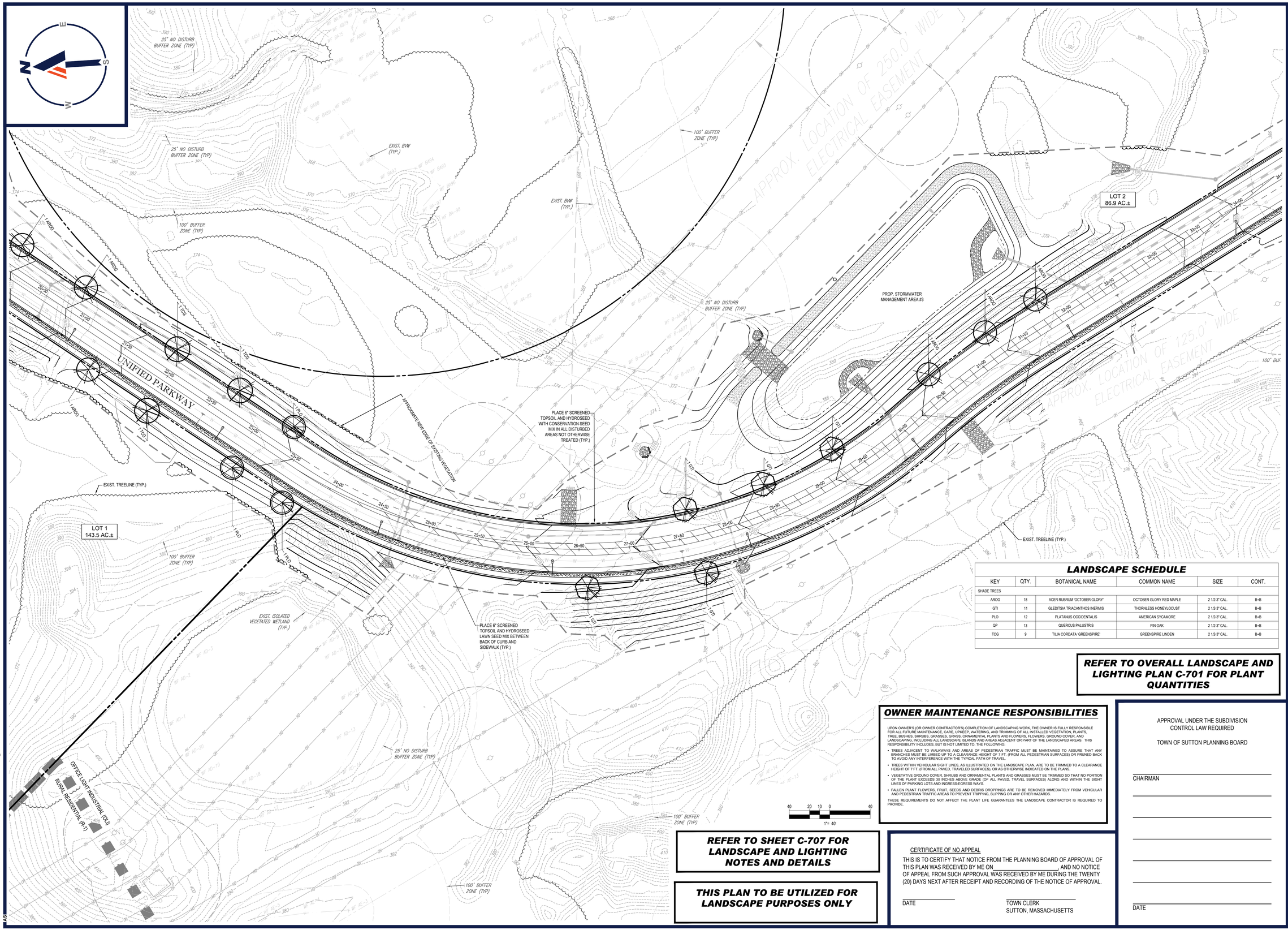

LANDSCAPE SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
SHADE TREES					
AROG	18	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2 1/2-3" CAL.	B+B
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TCG	9	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LINDEN	2 1/2-3" CAL.	B+B

REFER TO OVERALL LANDSCAPE AND LIGHTING PLAN C-701 FOR PLANT QUANTITIES

OWNER MAINTENANCE RESPONSIBILITIES

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REFER TO SHEET C-707 FOR LANDSCAPE AND LIGHTING NOTES AND DETAILS

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APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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MASSACHUSETTS REGISTERED LANDSCAPE ARCHITECT

SHEET TITLE:

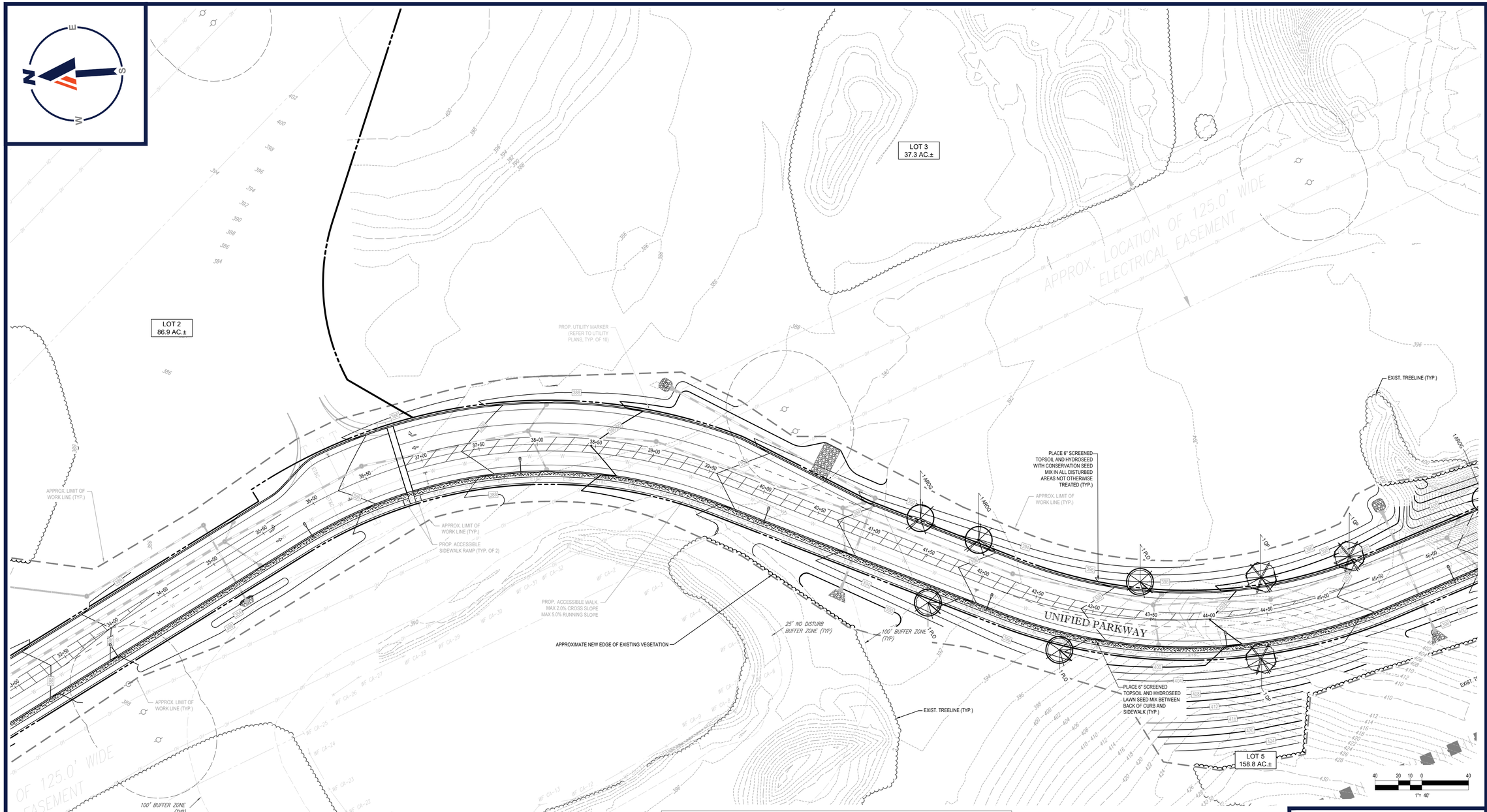
LANDSCAPE AND LIGHTING PLAN C

SHEET NUMBER:

C-704

REVISION 1 - 12/16/2021

P:\2\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-LND-1_DEFINITIVE SUB ---- LAYOUT: C-704-LAND
AS



LANDSCAPE SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
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REFER TO OVERALL LANDSCAPE AND LIGHTING PLAN C-701 FOR PLANT QUANTITIES

REFER TO SHEET C-707 FOR LANDSCAPE AND LIGHTING NOTES AND DETAILS

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LAND SURVEYING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
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REVISIONS

REV	DATE	COMMENT	DRAWN BY / CHECKED BY
1	12/16/2021	PEER REVIEW COMMENTS	AJS / JK / KC

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DEFINITIVE PLAN

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PROJECT No.:	W211141
DRAWN BY:	AJS
CHECKED BY:	KC / JAK
DATE:	11/10/2021
CAD I.D.:	W211141-LND-1_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

BOHLER
352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
www.BohlerEngineering.com

MASSACHUSETTS REGISTERED LANDSCAPE ARCHITECT

SHEET TITLE:

LANDSCAPE AND LIGHTING PLAN D

SHEET NUMBER:

C-705

REVISION 1 - 12/16/2021

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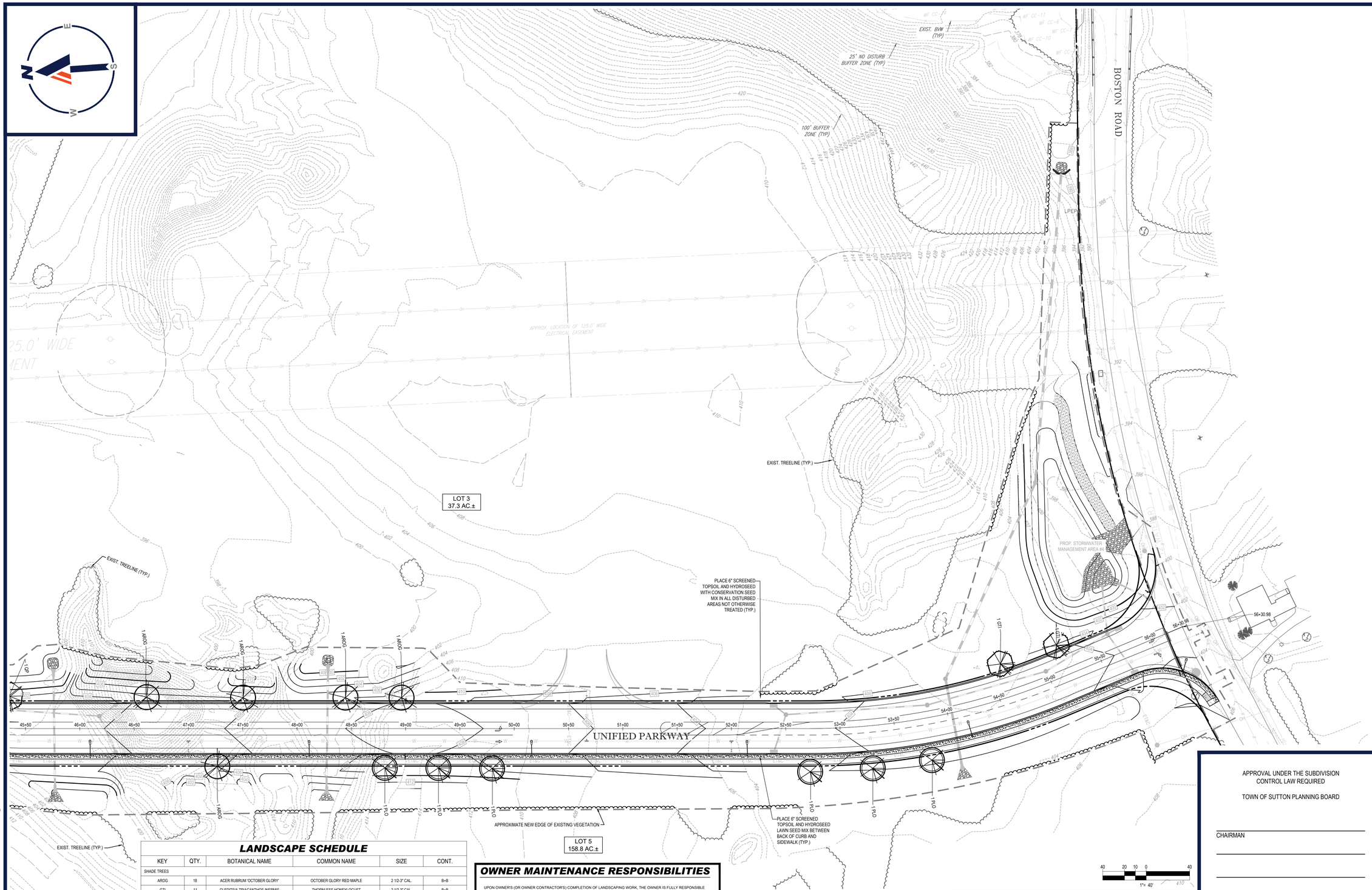

LANDSCAPE SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
SHADE TREES					
AROG	18	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2 1/2-3" CAL.	B+B
GTI	11	GLEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEYLOCUST	2 1/2-3" CAL.	B+B
PLO	12	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	2 1/2-3" CAL.	B+B
QP	13	QUERCUS PALUSTRIS	PIN OAK	2 1/2-3" CAL.	B+B
TCG	9	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LINDEN	2 1/2-3" CAL.	B+B

REFER TO OVERALL LANDSCAPE AND LIGHTING PLAN C-701 FOR PLANT QUANTITIES

OWNER MAINTENANCE RESPONSIBILITIES

UPON OWNER'S /OR OWNER CONTRACTOR'S) COMPLETION OF LANDSCAPING WORK, THE OWNER IS FULLY RESPONSIBLE FOR ALL FUTURE MAINTENANCE, CARE, UPKEEP, WATERING, AND TRIMMING OF ALL INSTALLED VEGETATION, PLANTS, TREE, BUSHES, SHRUBS, GRASSES, GRASS, ORNAMENTAL PLANTS AND FLOWERS, FLOWERS, GROUND COVER, AND LANDSCAPING, INCLUDING ALL LANDSCAPE ISLANDS AND AREAS ADJACENT OR PART OF THE LANDSCAPED AREAS. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:

- TREES ADJACENT TO WALKWAYS AND AREAS OF PEDESTRIAN TRAFFIC MUST BE MAINTAINED TO ASSURE THAT ANY BRANCHES MUST BE LIMBED UP TO A CLEARANCE HEIGHT OF 7 FT. (FROM ALL PEDESTRIAN SURFACES) OR PRUNED BACK TO AVOID ANY INTERFERENCE WITH THE TYPICAL PATH OF TRAVEL.
- TREES WITHIN VEHICULAR SIGHT LINES, AS ILLUSTRATED ON THE LANDSCAPE PLAN, ARE TO BE TRIMMED TO A CLEARANCE HEIGHT OF 7 FT. (FROM ALL PAVED, TRAVELED SURFACES), OR AS OTHERWISE INDICATED ON THE PLANS.
- VEGETATIVE GROUND COVER, SHRUBS AND ORNAMENTAL PLANTS AND GRASSES MUST BE TRIMMED SO THAT NO PORTION OF THE PLANT EXCEEDS 30 INCHES ABOVE GRADE (OF ALL PAVED, TRAVEL SURFACES) ALONG AND WITHIN THE SIGHT LINES OF PARKING LOTS AND INGRESS-EGRESS WAYS.
- FALLEN PLANT FLOWERS, FRUIT, SEEDS AND DEBRIS DROPPINGS ARE TO BE REMOVED IMMEDIATELY FROM VEHICULAR AND PEDESTRIAN TRAFFIC AREAS TO PREVENT TRIPPING, SLIPPING OR ANY OTHER HAZARDS.

THESE REQUIREMENTS DO NOT AFFECT THE PLANT LIFE GUARANTEES THE LANDSCAPE CONTRACTOR IS REQUIRED TO PROVIDE.

REFER TO SHEET C-707 FOR LANDSCAPE AND LIGHTING NOTES AND DETAILS

THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY

CERTIFICATE OF NO APPEAL

THIS IS TO CERTIFY THAT NOTICE FROM THE PLANNING BOARD OF APPROVAL OF THIS PLAN WAS RECEIVED BY ME ON _____, AND NO NOTICE OF APPEAL FROM SUCH APPROVAL WAS RECEIVED BY ME DURING THE TWENTY (20) DAYS NEXT AFTER RECEIPT AND RECORDING OF THE NOTICE OF APPROVAL.

DATE

TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

BOHLER™

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COMMONWEALTH OF MASSACHUSETTS
Kathleen A. Kilpatrick
No. 9741
REGISTERED LANDSCAPE ARCHITECT

SHEET TITLE:

LANDSCAPE AND LIGHTING PLAN E

SHEET NUMBER:

C-706

REVISION 1 - 12/16/2021

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LANDSCAPE SPECIFICATIONS

1. SCOPE OF WORK:

1.1. THE LANDSCAPE CONTRACTOR SHALL BE REQUIRED TO PERFORM ALL CLEARING, FINISHED GRADING, SOIL PREPARATION, PERMANENT SEEDING OR SODDING, PLANTING AND MULCHING INCLUDING ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY FOR THE COMPLETION OF THIS PROJECT, UNLESS OTHERWISE CONTRACTED BY THE GENERAL CONTRACTOR.

2. MATERIALS

2.1. GENERAL - ALL HARDSCAPE MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION'S SPECIFICATIONS.

2.2. TOPSOIL - NATURAL, FRIABLE, LOAMY SILT SOIL HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, A PH RANGE BETWEEN 4.5-7.0. IT SHALL BE FREE OF DEBRIS, ROCKS LARGER THAN ONE INCH (1"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.

2.3. LAWN - ALL DISTURBED AREAS ARE TO BE TREATED WITH A MINIMUM 6" THICK LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, AND SEEDED OR SODDED IN ACCORDANCE WITH THE PERMANENT STABILIZATION METHODS INDICATED ON THE LANDSCAPE PLAN

2.3.1. LAWN SEED MIXTURE SHALL BE FRESH, CLEAN NEW CROP SEED.

2.3.2. SOD SHALL BE STRONGLY ROOTED, WEED AND DISEASE/PEST FREE WITH A UNIFORM THICKNESS. SOD INSTALLED ON SLOPES GREATER THAN 4:1 SHALL BE PEGGED TO HOLD SOD IN PLACE.

2.4. MULCH - ALL PLANTING BEDS SHALL BE MULCHED WITH A 3" THICK LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH, UNLESS OTHERWISE STATED ON THE LANDSCAPE PLAN AND/OR LANDSCAPE PLAN NOTES /DETAILS.

2.5. FERTILIZER

2.5.1. FERTILIZER SHALL BE DELIVERED TO THE SITE MIXED AS SPECIFIED IN THE ORIGINAL UNOPENED STANDARD BAGS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER. FERTILIZER SHALL BE STORED IN A WEATHERPROOF PLACE SO THAT IT CAN BE KEPT DRY PRIOR TO USE.

2.5.2. FOR THE PURPOSE OF BIDDING, ASSUME THAT FERTILIZER SHALL BE 10% NITROGEN, 6% PHOSPHORUS AND 4% POTASSIUM BY WEIGHT. A FERTILIZER SHOULD NOT BE SELECTED WITHOUT A SOIL TEST PERFORMED BY A CERTIFIED SOIL LABORATORY.

2.6. PLANT MATERIAL

2.6.1. ALL PLANTS SHALL IN ALL CASES CONFORM TO THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1), LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION (FORMERLY THE AMERICAN ASSOCIATION OF NURSERYMEN).

2.6.2. IN ALL CASES, BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES FOR ANY AND ALL PLANT MATERIAL.

2.6.3. PLANTS SHALL BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE. TAGS ARE TO REMAIN ON AT LEAST ONE PLANT OF EACH SPECIES FOR VERIFICATION PURPOSES DURING THE FINAL INSPECTION.

2.6.4. TREES WITH ABRASION OF THE BARK, SUN SCALDS, DISFIGURATION OR FRESH CUTS OF LIMBS OVER 1½", WHICH HAVE NOT BEEN COMPLETELY CALLUSED, SHALL BE REJECTED. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES.

2.6.5. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH: WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE OF DISEASE, INSECTS, PESTS, EGGS OR LARVAE.

2.6.6. CALIPER MEASUREMENTS OF NURSERY GROWN TREES SHALL BE TAKEN AT A POINT ON THE TRUNK SIX INCHES (6") ABOVE THE NATURAL GRADE FOR TREES UP TO AND INCLUDING A FOUR INCH (4") CALIPER SIZE. IF THE CALIPER AT SIX INCHES (6") ABOVE THE GROUND EXCEEDS FOUR INCHES (4") IN CALIPER, THE CALIPER SHOULD BE MEASURED AT A POINT 12" ABOVE THE NATURAL GRADE.

2.6.7. SHRUBS SHALL BE MEASURED TO THE AVERAGE HEIGHT OR SPREAD OF THE SHRUB, AND NOT TO THE LONGEST BRANCH.

2.6.8. TREES AND SHRUBS SHALL BE HANDLED WITH CARE BY THE ROOT BALL.

3. GENERAL WORK PROCEDURES

3.1. CONTRACTOR TO UTILIZE WORKMANLIKE INDUSTRY STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH WORKDAY. ALL DEBRIS, MATERIALS AND TOOLS SHALL BE PROPERLY STORED, STOCKPILED OR DISPOSED OF.

3.2. WASTE MATERIALS AND DEBRIS SHALL BE COMPLETELY DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL NOT BE BURIED, INCLUDING ORGANIC MATERIALS, BUT SHALL BE REMOVED COMPLETELY FROM THE SITE.

4. SITE PREPARATIONS

4.1. BEFORE AND DURING PRELIMINARY GRADING AND FINISHED GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES OUTLINED HEREIN.

4.2. ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT THE BRANCH COLLAR. CONTRACTOR SHALL ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH CLEAN, SHARP TOOLS AND TOPSOIL SHALL BE PLACED AROUND THE REMAINDER OF THE ROOTS. EXISTING TREES SHALL BE MONITORED ON A REGULAR BASIS FOR ADDITIONAL ROOT OR BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECLINE.

4.3. CONTRACTOR SHALL ARRANGE TO HAVE A UTILITY STAKE-OUT TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY LANDSCAPE MATERIAL. UTILITY COMPANIES SHALL BE CONTACTED THREE (3) DAYS PRIOR TO THE BEGINNING OF WORK.

5. TREE PROTECTION

5.1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES TO REMAIN. A TREE PROTECTION ZONE SHALL BE ESTABLISHED AT THE DRIP LINE OR AT THE LIMIT OF CONSTRUCTION DISTURBANCE, WHICHEVER IS GREATER. LOCAL STANDARDS THAT MAY REQUIRE A MORE STRICT TREE PROTECTION ZONE SHALL BE HONORED.

5.2. A FORTY-EIGHT INCH (48") HIGH WOODEN SNOW FENCE OR ORANGE COLORED HIGH-DENSITY 'VISI-FENCE', OR APPROVED EQUAL, MOUNTED ON STEEL POSTS SHALL BE PLACED ALONG THE BOUNDARY OF THE TREE PROTECTION ZONE. POSTS SHALL BE LOCATED AT A MAXIMUM OF EIGHT FEET (8') ON CENTER OR AS INDICATED WITHIN THE TREE PROTECTION DETAIL.

5.3. WHEN THE TREE PROTECTION FENCING HAS BEEN INSTALLED, IT SHALL BE INSPECTED BY THE APPROVING AGENCY PRIOR TO DEMOLITION, GRADING, TREE CLEARING OR ANY OTHER CONSTRUCTION. THE FENCING ALONG THE TREE PROTECTION ZONE SHALL BE REGULARLY INSPECTED BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.

5.4. AT NO TIME SHALL MACHINERY, DEBRIS, FALLEN TREES OR OTHER MATERIALS BE PLACED, STOCKPILED OR LEFT STANDING IN THE TREE PROTECTION ZONE.

6. SOIL MODIFICATIONS

6.1. CONTRACTOR SHALL ATTAIN A SOIL TEST FOR ALL AREAS OF THE SITE PRIOR TO CONDUCTING ANY PLANTING. SOIL TESTS SHALL BE PERFORMED BY A CERTIFIED SOIL LABORATORY.

6.2. LANDSCAPE CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL. SOIL MODIFICATIONS, AS SPECIFIED HEREIN, MAY NEED TO BE CONDUCTED BY THE LANDSCAPE CONTRACTOR DEPENDING ON SITE CONDITIONS.

6.3. THE FOLLOWING AMENDMENTS AND QUANTITIES ARE APPROXIMATE AND ARE FOR BIDDING PURPOSES ONLY. COMPOSITION OF AMENDMENTS SHOULD BE REVISED DEPENDING ON THE OUTCOME OF A TOPSOIL ANALYSIS PERFORMED BY A CERTIFIED SOIL LABORATORY.

6.3.1. TO INCREASE A SANDY SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6-12". USE COMPOSTED BARK, COMPOSTED LEAF MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.

6.3.2. TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) AND/OR AGRICULTURAL GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. SUBSURFACE DRAINAGE LINES MAY NEED TO BE ADDED TO INCREASE DRAINAGE.

6.3.3. MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.

7. FINISHED GRADING

7.1. UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.

7.2. LANDSCAPE CONTRACTOR SHALL VERIFY THAT SUBGRADE FOR INSTALLATION OF TOPSOIL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MUST MEET THE FINISHED GRADE LESS THE REQUIRED TOPSOIL THICKNESS (1"±).

7.3. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT.

7.4. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEDS. STANDING WATER SHALL NOT BE PERMITTED IN PLANTING BEDS.

8. TOPSOILING

8.1. CONTRACTOR SHALL PROVIDE A 6" THICK MINIMUM LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS.

8.2. ON-SITE TOPSOIL MAY BE USED TO SUPPLEMENT THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE REJECTED IF IT HAS NOT BEEN PROPERLY REMOVED, STORED AND PROTECTED PRIOR TO CONSTRUCTION.

8.3. CONTRACTOR SHALL FURNISH TO THE APPROVING AGENCY AN ANALYSIS OF BOTH IMPORTED AND ON-SITE TOPSOIL TO BE UTILIZED IN ALL PLANTING AREAS. THE PH AND NUTRIENT LEVELS MAY NEED TO BE ADJUSTED THROUGH SOIL MODIFICATIONS AS NEEDED TO ACHIEVE THE REQUIRED LEVELS AS SPECIFIED IN THE MATERIALS SECTION ABOVE.

8.4. ALL LAWN AREAS ARE TO BE CULTIVATED TO A DEPTH OF SIX INCHES (6"). ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES SECTION ABOVE. THE FOLLOWING SHALL BE TILLED INTO THE TOP FOUR INCHES (4") IN TWO DIRECTIONS (QUANTITIES BASED ON A 1,000 SQUARE FOOT AREA - FOR BID PURPOSES ONLY [SEE SPECIFICATION 6.A.]):

8.4.1. 20 POUNDS 'GRO-POWER' OR APPROVED SOIL CONDITIONER/FERTILIZER

8.4.2. 20 POUNDS NITRO-FORM (COURSE) 38-0-0 BLUE CHIP OR APPROVED NITROGEN FERTILIZER

8.5. THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN CONDITIONS.

9. PLANTING

9.1. INSOFAR THAT IT IS FEASIBLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THAT THIS IS NOT POSSIBLE, LANDSCAPE CONTRACTOR SHALL PROTECT UNINSTALLED PLANT MATERIAL. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. PLANTS THAT WILL NOT BE PLANTED FOR A PERIOD OF TIME GREATER THAN THREE DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH TO HELP PRESERVE ROOT MOISTURE.

9.2. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION.

9.3. ANY INJURED ROOTS OR BRANCHES SHALL BE PRUNED TO MAKE CLEAN-CUT ENDS PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY INJURED OR DISEASED BRANCHING SHALL BE REMOVED.

9.4. ALL PLANTING CONTAINERS, BASKETS AND NON-BIODEGRADABLE MATERIALS SHALL BE REMOVED FROM ROOT BALLS DURING PLANTING. NATURAL FIBER BURLAP MUST BE CUT FROM AROUND THE TRUNK OF THE TREE AND FOLDED DOWN AGAINST THE ROOT BALL PRIOR TO BACKFILLING.

9.5. POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.

9.6. PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE, AS SHOWN ON THE APPROVED LANDSCAPE PLAN, MUST BE INSTALLED, INSPECTED AND APPROVED BY THE APPROVING AGENCY. THE APPROVING AGENCY SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD AS FOLLOWS. THE PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER SHALL OCCUR ONLY DURING THE FOLLOWING PLANTING SEASONS:

9.6.1. PLANTS: MARCH 15 TO DECEMBER 15

9.6.2. LAWN: MARCH 15 TO JUNE 15 OR SEPT. 1 TO DECEMBER 1

9.6.3. PLANTINGS REQUIRED FOR A CERTIFICATE OF OCCUPANCY SHALL BE PROVIDED DURING THE NEXT APPROPRIATE SEASON AT THE MUNICIPALITY'S DISCRETION. CONTRACTOR SHOULD CONTACT APPROVING AGENCY FOR POTENTIAL SUBSTITUTIONS.

9.7. FURTHERMORE, THE FOLLOWING TREE VARIETIES ARE UNUSUALLY SUSCEPTIBLE TO WINTER DAMAGE WITH TRANSPLANT SHOCK AND THE SEASONAL LACK OF NITROGEN AVAILABILITY, THE RISK OF PLANT DEATH IS GREATLY INCREASED. IT IS NOT RECOMMENDED THAT THESE SPECIES BE PLANTED DURING THE FALL PLANTING SEASON:

ACER RUBRUM	PLATANUS X ACERIFOLIA
BETULA VARIETIES	POPULUS VARIETIES
CARPINUS VARIETIES	PRUNUS VARIETIES
CRATAEGUS VARIETIES	PYRUS VARIETIES
KOELREUTERIA	QUERCUS VARIETIES
LIQUIDAMBAR STYRACIFLUA	TILIA TOMENTOSA
LIRIODENDRON TULIPIFERA	ZELKOVA VARIETIES

9.8. PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, WITH THE WIDTH TWICE THE DIAMETER OF ROOT BALL. THE ROOT BALL SHALL REST ON UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACKFILLED IN LAYERS WITH THE FOLLOWING PREPARED SOIL MIXED THOROUGHLY:

9.8.1. 1 PART PEAT MOSS

9.8.2. 1 PART COMPOSTED COW MANURE BY VOLUME

9.8.3. 3 PARTS TOPSOIL BY VOLUME

9.8.4. 21 GRAMS "AGRIFORM" PLANTING TABLETS (OR APPROVED EQUAL) AS FOLLOWS:

9.8.4.1. 2 TABLETS PER 1 GALLON PLANT

9.8.4.2. 3 TABLETS PER 5 GALLON PLANT

9.8.4.3. 4 TABLETS PER 15 GALLON PLANT

9.8.4.4. LARGER PLANTS: 2 TABLETS PER ½" CALIPER OF TRUNK

9.9. FILL PREPARED SOIL AROUND BALL OF PLANT HALF-WAY AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND WATER THOROUGHLY.

9.10. ALL PLANTS SHALL BE PLANTED SO THAT THE TOP OF THE ROOT BALL, THE POINT AT WHICH THE ROOT FLARE BEGINS, IS SET AT GROUND LEVEL AND IN THE CENTER OF THE PIT. NO SOIL IS TO BE PLACED DIRECTLY ON TOP OF THE ROOT BALL.

9.11. ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS OR DRIVEWAYS SHALL BE PRUNED AND MAINTAINED TO A MINIMUM BRANCHING HEIGHT OF 7' FROM GRADE.

9.12. GROUND COVER AREAS SHALL RECEIVE A ¼" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING. ALL GROUND COVER AREAS SHALL BE WEEDED AND TREATED WITH A PRE-EMERGENT CHEMICAL AS PER MANUFACTURER'S RECOMMENDATION.

9.13. NO PLANT, EXCEPT GROUND COVERS, GRASSES OR VINES, SHALL BE PLANTED LESS THAN TWO FEET (2') FROM EXISTING STRUCTURES AND SIDEWALKS.

9.14. ALL PLANTING AREAS AND PLANTING PITS SHALL BE MULCHED AS SPECIFIED HEREIN TO FILL THE ENTIRE BED AREA OR SAUCER. NO MULCH IS TO TOUCH THE TRUNK OF THE TREE OR SHRUB.

9.15. ALL PLANTING AREAS SHALL BE WATERED IMMEDIATELY UPON INSTALLATION IN ACCORDANCE WITH THE WATERING SPECIFICATIONS AS LISTED HEREIN.

10. TRANSPLANTING (WHEN REQUIRED)

10.1. ALL TRANSPLANTS SHALL BE DUG WITH INTACT ROOT BALLS CAPABLE OF SUSTAINING THE PLANT.

10.2. IF PLANTS ARE TO BE STOCKPILED BEFORE REPLANTING, THEY SHALL BE HEALED IN WITH MULCH OR SOIL, ADEQUATELY WATERED AND PROTECTED FROM EXTREME HEAT, SUN AND WIND.

10.3. PLANTS SHALL NOT BE DUG FOR TRANSPLANTING BETWEEN APRIL 10 AND JUNE 30.

10.4. UPON REPLANTING, BACKFILL SOIL SHALL BE AMENDED WITH FERTILIZER AND ROOT GROWTH HORMONE.

10.5. TRANSPLANTS SHALL BE GUARANTEED FOR THE LENGTH OF THE GUARANTEE PERIOD SPECIFIED HEREIN.

10.6. F TRANSPLANTS DIE, SHRUBS AND TREES LESS THAN SIX INCHES (6") DBH SHALL BE REPLACED IN KIND. TREES GREATER THAN SIX INCHES (6") DBH MAY BE REQUIRED TO BE REPLACED IN ACCORDANCE WITH THE MUNICIPALITY'S TREE REPLACEMENT GUIDELINES.

11. WATERING

11.1. NEW PLANTINGS OR LAWN AREAS SHALL BE ADEQUATELY IRRIGATED BEGINNING IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED. WATERING SHALL CONTINUE AT LEAST UNTIL PLANTS ARE ESTABLISHED.

11.2. SITE OWNER SHALL PROVIDE WATER IF AVAILABLE ON SITE AT TIME OF PLANTING. IF WATER IS NOT AVAILABLE ON SITE, CONTRACTOR SHALL SUPPLY ALL NECESSARY WATER. THE USE OF WATERING BAGS IS RECOMMENDED FOR ALL NEWLY PLANTED TREES.

11.3. IF AN IRRIGATION SYSTEM HAS BEEN INSTALLED ON THE SITE, IT SHALL BE USED TO WATER PROPOSED PLANT MATERIAL, BUT ANY FAILURE OF THE SYSTEM DOES NOT ELIMINATE THE CONTRACTOR'S RESPONSIBILITY OF MAINTAINING THE DESIRED MOISTURE LEVEL FOR VIGOROUS, HEALTHY GROWTH.

12. GUARANTEE

12.1. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF 1 YEAR FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE APPROVING AGENCY. CONTRACTOR SHALL SUPPLY THE OWNER WITH A MAINTENANCE BOND FOR TEN PERCENT (10%) OF THE VALUE OF THE LANDSCAPE INSTALLATION WHICH WILL BE RELEASED AT THE CONCLUSION OF THE GUARANTEE PERIOD AND WHEN A FINAL INSPECTION HAS BEEN COMPLETED AND APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.

12.2. ANY DEAD OR DYING PLANT MATERIAL SHALL BE REPLACED FOR THE LENGTH OF THE GUARANTEE PERIOD. REPLACEMENT OF PLANT MATERIAL SHALL BE CONDUCTED AT THE FIRST SUCCEEDING PLANTING SEASON. ANY DEBRIS SHALL BE DISPOSED OF OFF-SITE, WITHOUT EXCEPTION.

12.3. TREES AND SHRUBS SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION AND THROUGHOUT THE 90 DAY MAINTENANCE PERIOD AS SPECIFIED HEREIN. CULTIVATION, WEEDING, WATERING AND THE PREVENTATIVE TREATMENTS SHALL BE PERFORMED AS NECESSARY TO KEEP PLANT MATERIAL IN GOOD CONDITION AND FREE OF INSECTS AND DISEASE.

12.4. LAWNS SHALL BE MAINTAINED THROUGH WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING AND OTHER OPERATIONS SUCH AS ROLLING, REGARDING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.

13. CLEANUP

13.1. UPON THE COMPLETION OF ALL LANDSCAPE INSTALLATION AND BEFORE THE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL UNUSED MATERIALS, EQUIPMENT AND DEBRIS FROM THE SITE. ALL PAVED AREAS ARE TO BE CLEANED.

13.2. THE SITE SHALL BE CLEANED AND LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.

14. MAINTENANCE (ALTERNATIVE BID):

14.1. A 90 DAY MAINTENANCE PERIOD SHALL COMMENCE AT THE END OF ALL LANDSCAPE INSTALLATION OPERATIONS. THE 90 DAY MAINTENANCE PERIOD ENSURES TO THE OWNER/OPERATOR THAT THE NEWLY INSTALLED LANDSCAPING HAS BEEN MAINTAINED AS SPECIFIED ON THE APPROVED LANDSCAPE PLAN. ONCE THE INITIAL 90 DAY MAINTENANCE PERIOD HAS EXPIRED, THE OWNER/OPERATOR MAY REQUEST THAT BIDDERS SUBMIT AN ALTERNATE MAINTENANCE BID FOR A MONTHLY MAINTENANCE CONTRACT. THE ALTERNATE MAINTENANCE CONTRACT WILL ENCOMPASS ANY WORK THAT IS CONSIDERED APPROPRIATE TO ENSURE THAT PLANT AND LAWN AREAS ARE HEALTHY AND MANICURED TO THE APPROVAL OF THE OWNER/OPERATOR.

LIGHTING NOTES

1. THIS LIGHTING PLAN DEPICTS PROPOSED SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTED MANUFACTURER(S). ACTUAL SUSTAINED SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED VARIABLE FIELD CONDITIONS.

2. THE LIGHT LOSS FACTORS USED IN THESE LIGHTING CALCULATIONS ARE 0.90 FOR ALL LED LUMINAIRES, 0.80 FOR ALL HIGH PRESSURE SODIUM LUMINAIRES OR 0.72 FOR ALL METAL HALIDE LUMINAIRES UNLESS OTHERWISE SPECIFIED. THESE FACTORS ARE INDICATIVE OF TYPICAL LIGHTING INDUSTRY MODELING STANDARDS.

3. THE LIGHTING VALUES AND CALCULATION POINTS DEPICTED ON THIS PLAN ARE ALL ANALYZED ON A HORIZONTAL GEOMETRIC PLANE AT ELEVATION ZERO (GROUND LEVEL) UNLESS OTHERWISE NOTED. THE VALUES DEPICTED ON THIS PLAN ARE IN FOOTCANDLES.

4. THE LUMINAIRES, LAMPS AND LENSES MUST BE REGULARLY INSPECTED/MAINTAINED TO ENSURE THAT THEY FUNCTION PROPERLY. THIS WORK SHOULD INCLUDE, BUT NOT BE LIMITED TO, FREQUENT VISUAL INSPECTIONS, CLEANING OF LENSES, AND RELAMPING (IF NECESSARY) AT LEAST ONCE EVERY SIX (6) MONTHS. FAILURE TO FOLLOW THE ABOVE STEPS COULD CAUSE THE LUMINAIRES, LAMPS AND LENSES TO FAIL PROPERLY TO FUNCTION.

5. WHERE APPLICABLE, THE EXISTING CONDITION LIGHT LEVELS ILLUSTRATED ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES, UNLESS ACTUAL FIELD MEASUREMENTS ARE TAKEN WITH A LIGHT METER AND ARE, CONSEQUENTLY, APPROXIMATIONS ONLY. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC, ACTUAL LIGHT LEVELS MAY DIFFER. EXISTING LIGHT LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED APPROXIMATE.

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7. CONTRACTOR MUST BRING TO DESIGNER'S ATTENTION, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ANY LIGHT LOCATIONS THAT CONFLICT WITH DRAINAGE, UTILITIES, OR OTHER STRUCTURES.

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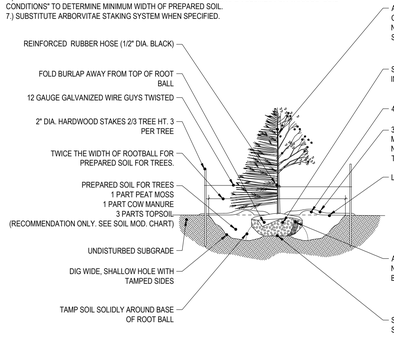
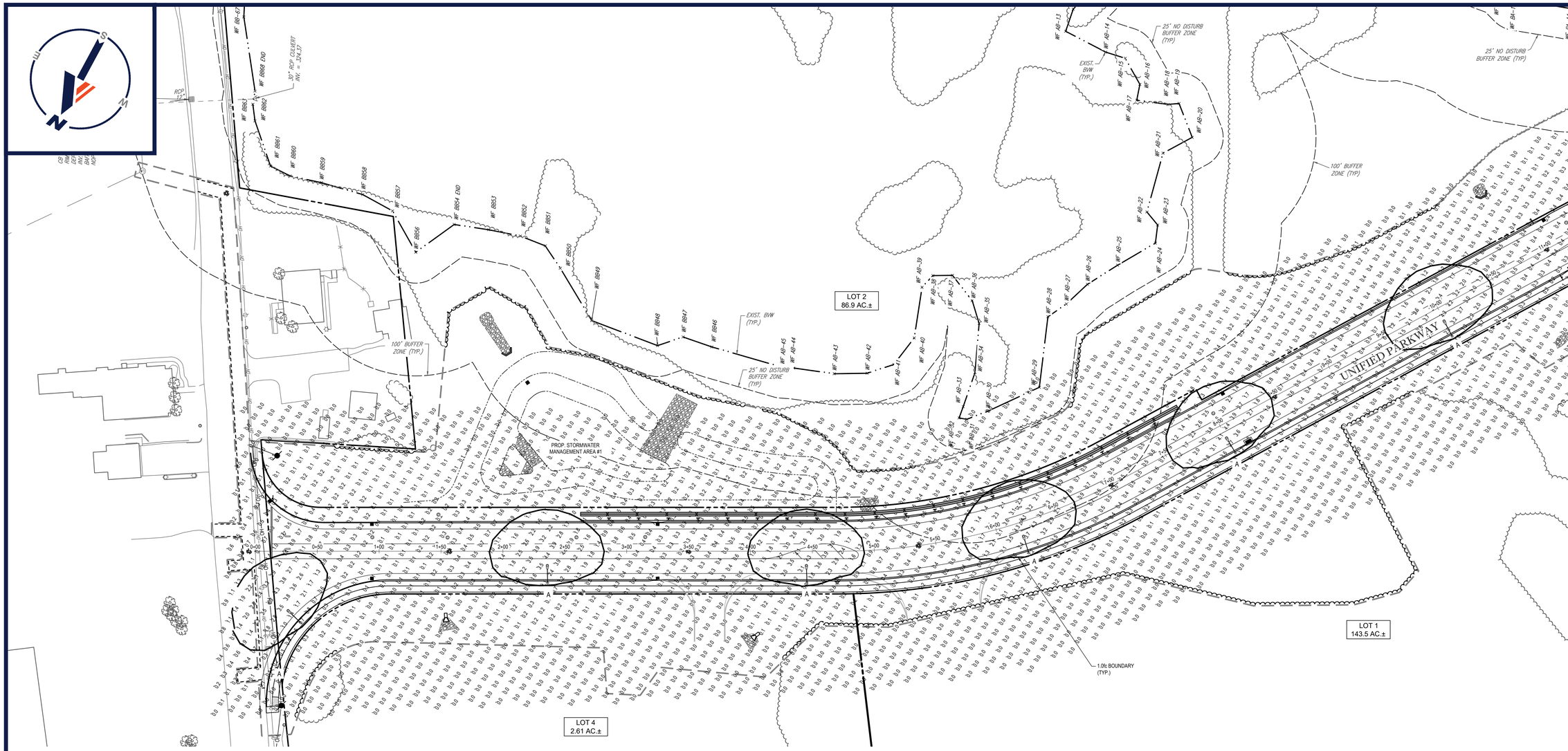
10. THE CONTRACTOR MUST VERIFY THAT INSTALLATION OF LIGHTING FIXTURES COMPLIES WITH THE REQUIREMENTS FOR SEPARATION FROM OVERHEAD ELECTRICAL WIRES PER STATE REGULATIONS.

11. WHEN A BANK ATM IS INCLUDED IN THE PLAN, THE LIGHTING DESIGN REPRESENTS BOHLER'S UNDERSTANDING AND INTERPRETATION OF THE REGULATORY LIGHTING LEVELS INTENDED BY PUBLISHED STANDARDS.

12. UPON OWNER'S ACCEPTANCE OF THE COMPLETED PROJECT, THE OWNER SHALL BE RESPONSIBLE FOR ALL MAINTENANCE, SERVICING, REPAIR AND INSPECTION OF THE LIGHTING SYSTEM AND ALL OF ITS COMPONENTS AND RELATED SYSTEMS, TO ENSURE ADEQUATE LIGHTING LEVELS ARE PRESENT AND FUNCTIONING AT ALL TIMES.

NOTES:
1.) NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.
2.) REMOVE ALL NON-BIODEGRADABLE MATERIAL AND ROPE FROM TRUNK & TOP OF ROOT BALL. FOLD BURLAP BACK 1/3 FROM ROOT BALL.
3.) PLANTING DEPTH SHALL BE THE SAME AS GROWN IN NURSERY.
4.) THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH
AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
5.) THE BOTTOM OF PLANTING PIT EXCAVATIONS SHOULD BE ROUGH TO AVOID MATTING OF SOIL LAYERS AS
NEW SOIL IS ADDED. IT IS PREFERABLE TO TILL THE FIRST LIFT (2 TO 3 IN.) OF PLANTING SOIL INTO THE SUBSOIL.
6.) REFER TO THE CHART "GENERAL RANGE OF SOIL MODIFICATIONS & VOLUMES FOR VARIOUS SOIL CONDITIONS" TO DETERMINE MINIMUM WIDTH OF PREPARED SOIL.
7.) SUBSTITUTE ARBORVITAE STAKING SYSTEM WHEN SPECIFIED.


REINFORCED RUBBER HOSE (1/2" DIA. BLACK)
FOLD BURLAP AWAY FROM TOP OF ROOT BALL
12 GAUGE GALVANIZED WIRE GUYS TWISTED
2" DIA. HARDWOOD STAKES 2/3 TREE HT. 3 PER TREE
TWICE THE WIDTH OF ROOTBALL FOR PREPARED SOIL FOR TREES.
PREPARED SOIL FOR TREES
1 PART PEAT MOSS
1 PART COW MANURE
3 PARTS TOPSOIL
(RECOMMENDATION ONLY. SEE SOIL MOD. CHART)
UNDISTURBED SUBGRADE
DIG WIDE, SHALLOW HOLE WITH TAMPED SIDES
TAMP SOIL SOLIDLY AROUND BASE OF ROOT BALL
AVOID PURCHASING TREES WITH TWO LEADERS OR REMOVE ONE AT PLANTING. OTHERWISE, DO NOT PRUNE TREE AT PLANTING EXCEPT FOR SPECIFIC STRUCTURAL CORRECTIONS.
SET ROOT BALL FLUSH TO GRADE OR SEVERAL INCHES HIGHER IN POORLY DRAINING SOILS.
4" BUILT-UP EARTH SAUCER
3" DOUBLE SHREDDED HARDWOOD BARK MULCH (UNLESS OTHERWISE SPECIFIED) (DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK)
LANDS



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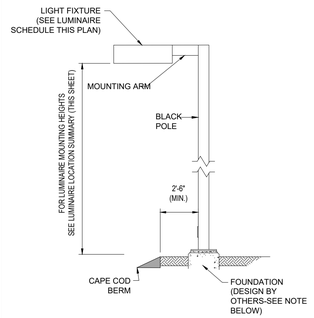

AREA LIGHT DETAIL — N.T.S.

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NUMERIC SUMMARY

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AREA SUMMARY	ILLUMINANCE	FC	1.29	4.4	0.1	12.90	44.00

LUMINAIRE SCHEDULE

SYMBOL	QTY	ARRANGEMENT	LUMENS	LLF	DESCRIPTION
A	30	SINGLE	19072	0.90	LEOTEK GREENCOBRA MIDSIZE LED STREET LIGHT MOUNTED @ 30'; GCM3-60J-HV-40K-3R-XX-190

XX - FINISH TO BE DETERMINED BY CLIENT
TRUSS ARM - VALMONT ROUND TAPER ALUMINUM ELLIPTICAL TRUSS ARM, 15' SINGLE - CLAMP MOUNT

THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY

CERTIFICATE OF NO APPEAL

THIS IS TO CERTIFY THAT NOTICE FROM THE PLANNING BOARD OF APPROVAL OF THIS PLAN WAS RECEIVED BY ME ON _____ AND NO NOTICE OF APPEAL FROM SUCH APPROVAL WAS RECEIVED BY ME DURING THE TWENTY (20) DAYS NEXT AFTER RECEIPT AND RECORDING OF THE NOTICE OF APPROVAL.

DATE

TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

40 20 10 0 40
1"= 40'

BOHLER™

SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

THE BOHLER CIVIL DESIGN AND CONTENT OF THIS PLAN SHEET, PROGRAM OR PLAN, WILL BE ACCEPTED BY USERS FOR HIGHER, WITHOUT PRIOR WRITTEN AUTHORIZATION FROM BOHLER, ONLY APPROVED, SEALED PLANS SHALL BE UTILIZED FOR CONSTRUCTION PURPOSES.
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REVISIONS

REV	DATE	COMMENT	DRAWN BY / CHECKED BY
1	12/16/2021	PEER REVIEW COMMENTS	AJS / JK / KC

Know what's below. Call before you dig.
ALWAYS CALL 811
It's fast. It's free. It's the law.

DEFINITIVE PLAN

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.: W211141-CVL-1_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

BOHLER
352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
www.BohlerEngineering.com

COMMONWEALTH OF MASSACHUSETTS
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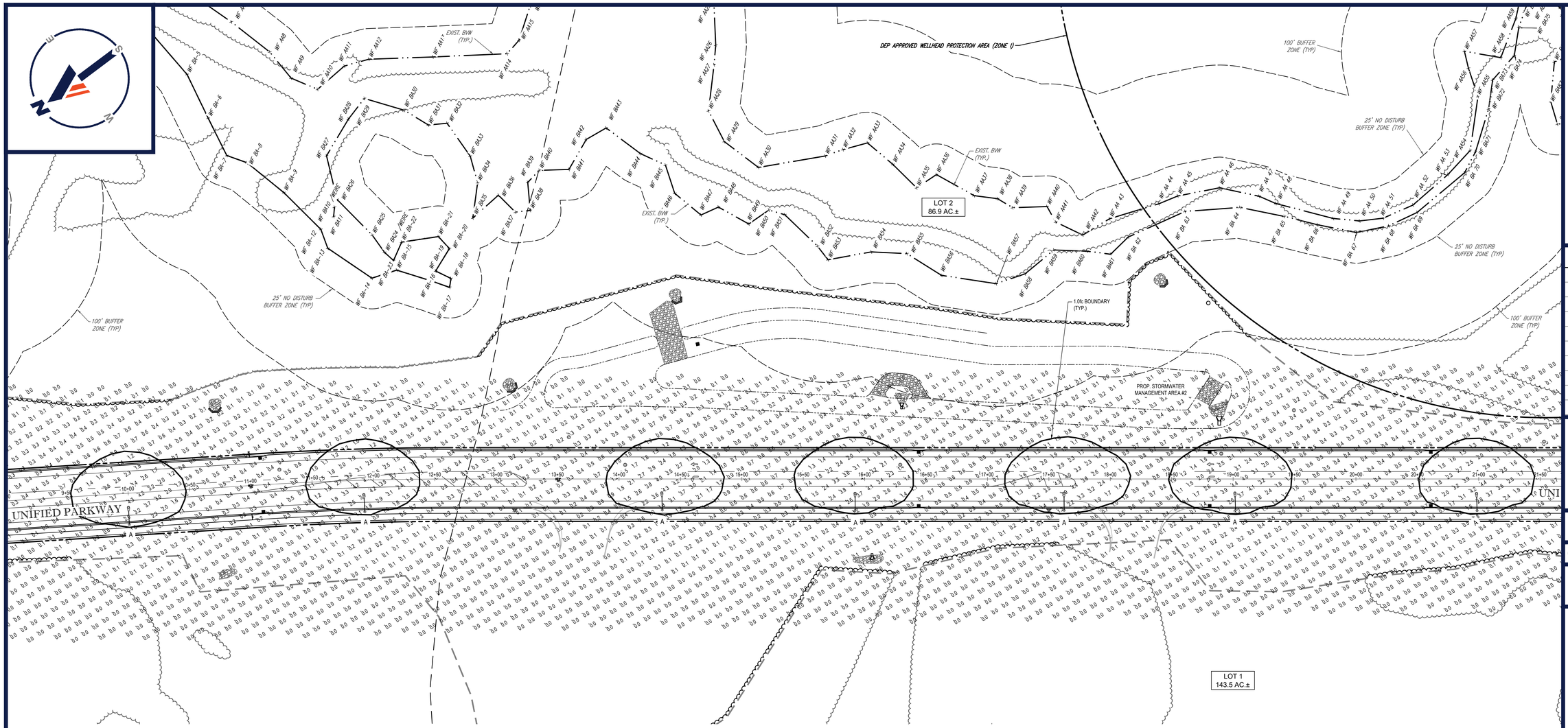
No. 41530
REGISTERED PROFESSIONAL ENGINEER
MASSACHUSETTS LICENSE No. 41530
NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 26127
RHODE ISLAND LICENSE No. 9616
MAINE LICENSE No. 12553

SHEET TITLE:
PROPOSED PHOTOMETRIC LIGHTING PLAN A

SHEET NUMBER:
C-708

REVISION 1 - 12/16/2021

P:\2\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_DEFINITIVE SUB---LAYOUT: C-708 LIGHT A
AJS



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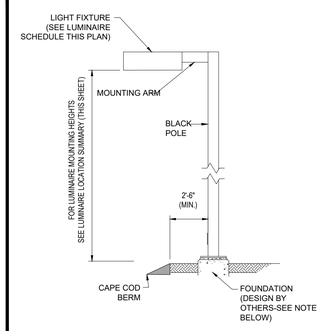

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DATE

TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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REVISIONS

REV	DATE	COMMENT	DRAWN BY / CHECKED BY
1	12/16/2021	PEER REVIEW COMMENTS	AJS / JK / KC

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DEFINITIVE PLAN

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PROJECT No.:	W211141
DRAWN BY:	AJS
CHECKED BY:	KC / JAK
DATE:	11/10/2021
CAD I.D.:	W211141-CVL-1_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

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MASSACHUSETTS LICENSE No. 41530
NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 9616
MAINE LICENSE No. 12553

SHEET TITLE:

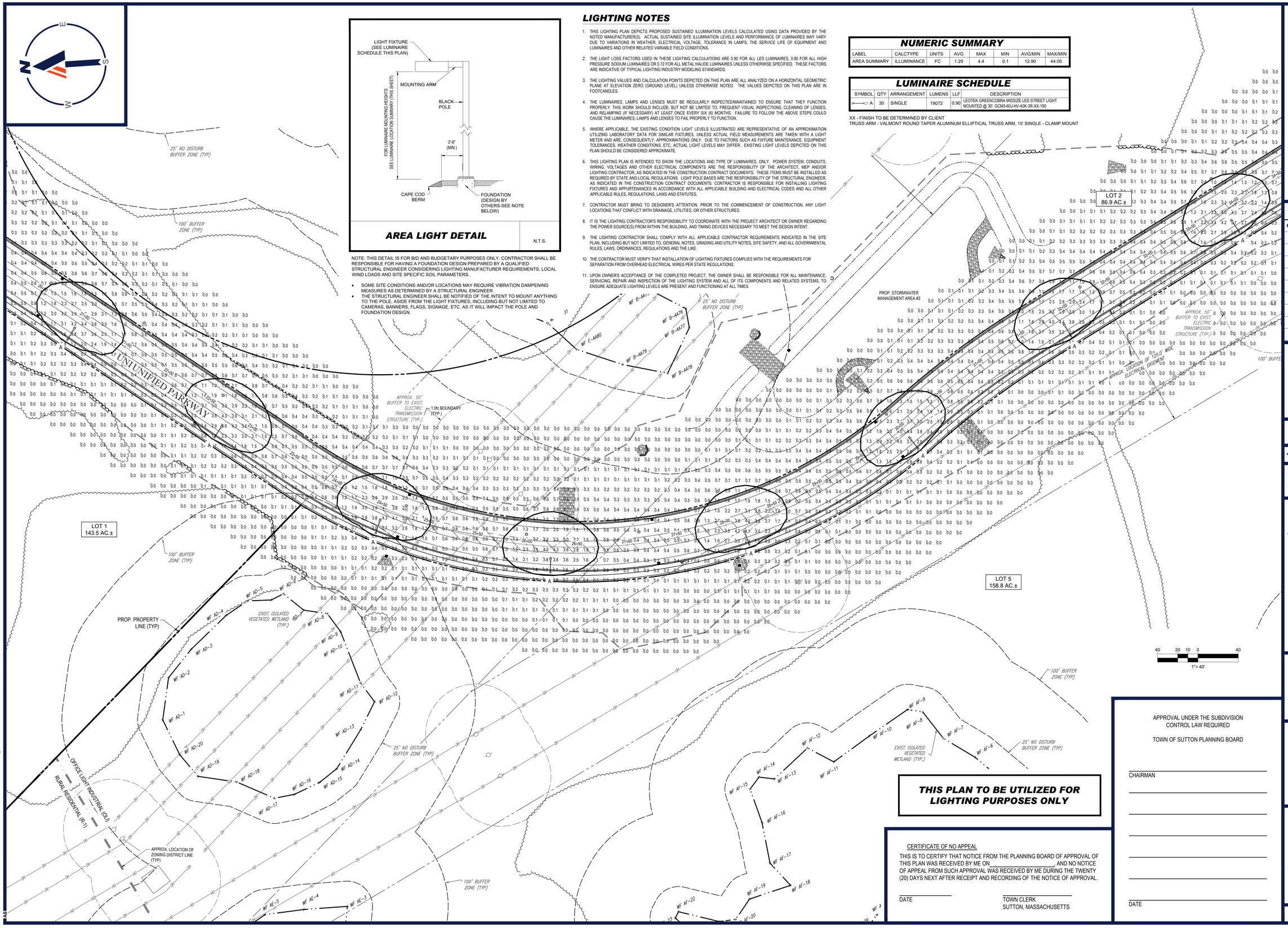
PROPOSED PHOTOMETRIC LIGHTING PLAN B

SHEET NUMBER:

C-709

REVISION 1 - 12/16/2021

P:\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_DEFINITIVE SUB----LAYOUT: C-709 LIGHT B
ASI



AREA LIGHT DETAIL

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LIGHTING NOTES

1. THIS LIGHTING PLAN DEPICTS PROPOSED SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTED MANUFACTURER(S). ACTUAL SUSTAINED SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED VARIABLE FIELD CONDITIONS.
2. THE LIGHT LOSS FACTORS USED IN THESE LIGHTING CALCULATIONS ARE 0.90 FOR ALL LED LUMINAIRES, 0.80 FOR ALL HIGH PRESSURE SODIUM LUMINAIRES OR 0.72 FOR ALL METAL HALIDE LUMINAIRES UNLESS OTHERWISE SPECIFIED. THESE FACTORS ARE INDICATIVE OF TYPICAL LIGHTING INDUSTRY MODELING STANDARDS.
3. THE LIGHTING VALUES AND CALCULATION POINTS DEPICTED ON THIS PLAN ARE ALL ANALYZED ON A HORIZONTAL GEOMETRIC PLANE AT ELEVATION ZERO (GROUND LEVEL) UNLESS OTHERWISE NOTED. THE VALUES DEPICTED ON THIS PLAN ARE IN FOOTCANDLES.
4. THE LUMINAIRES, LAMPS AND LENSES MUST BE REGULARLY INSPECTED/MAINTAINED TO ENSURE THAT THEY FUNCTION PROPERLY. THIS WORK SHOULD INCLUDE, BUT NOT BE LIMITED TO, FREQUENT VISUAL INSPECTIONS, CLEANING OF LENSES, AND RELAMPING (IF NECESSARY) AT LEAST ONCE EVERY SIX (6) MONTHS. FAILURE TO FOLLOW THE ABOVE STEPS COULD CAUSE THE LUMINAIRES, LAMPS AND LENSES TO FAIL PROPERLY TO FUNCTION.
5. WHERE APPLICABLE, THE EXISTING CONDITION LIGHT LEVELS ILLUSTRATED ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES, UNLESS ACTUAL FIELD MEASUREMENTS ARE TAKEN WITH A LIGHT METER AND ARE, CONSEQUENTLY, APPROXIMATIONS ONLY. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC. ACTUAL LIGHT LEVELS MAY DIFFER. EXISTING LIGHT LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED APPROXIMATE.
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7. CONTRACTOR MUST BRING TO DESIGNER'S ATTENTION, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ANY LIGHT LOCATIONS THAT CONFLICT WITH DRAINAGE, UTILITIES, OR OTHER STRUCTURES.
8. IT IS THE LIGHTING CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE PROJECT ARCHITECT OR OWNER REGARDING THE POWER SOURCE(S) FROM WITHIN THE BUILDING, AND TIMING DEVICES NECESSARY TO MEET THE DESIGN INTENT.
9. THE LIGHTING CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CONTRACTOR REQUIREMENTS INDICATED IN THE SITE PLAN, INCLUDING BUT NOT LIMITED TO, GENERAL NOTES, GRADING AND UTILITY NOTES, SITE SAFETY, AND ALL GOVERNMENTAL RULES, LAWS, ORDINANCES, REGULATIONS AND THE LIKE.
10. THE CONTRACTOR MUST VERIFY THAT INSTALLATION OF LIGHTING FIXTURES COMPLIES WITH THE REQUIREMENTS FOR SEPARATION FROM OVERHEAD ELECTRICAL WIRES PER STATE REGULATIONS.
11. UPON OWNER'S ACCEPTANCE OF THE COMPLETED PROJECT, THE OWNER SHALL BE RESPONSIBLE FOR ALL MAINTENANCE, SERVICING, REPAIR AND INSPECTION OF THE LIGHTING SYSTEM AND ALL OF ITS COMPONENTS AND RELATED SYSTEMS, TO ENSURE ADEQUATE LIGHTING LEVELS ARE PRESENT AND FUNCTIONING AT ALL TIMES.

NUMERIC SUMMARY

LABEL	CALCTYPE	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
AREA SUMMARY	ILLUMINANCE	FC	1.29	4.4	0.1	12.90	44.00

LUMINAIRE SCHEDULE

SYMBOL	QTY	ARRANGEMENT	LUMENS	LLF	DESCRIPTION
A	30	SINGLE	19072	0.90	LEOTEK GREENCOBRA MIDSIZE LED STREET LIGHT MOUNTED @ 30'; GCM3-60J-HV-40K-3R-XX-190

XX - FINISH TO BE DETERMINED BY CLIENT
TRUSS ARM - VALMONT ROUND TAPER ALUMINUM ELLIPTICAL TRUSS ARM, 15' SINGLE - CLAMP MOUNT

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DATE

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TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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PROJECT No.:	W211141
DRAWN BY:	AJS
CHECKED BY:	KC / JAK
DATE:	11/10/2021
CAD I.D.:	W211141-CVL-1_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

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RHODE ISLAND LICENSE No. 9616
MAINE LICENSE No. 12553

SHEET TITLE:

PROPOSED PHOTOMETRIC LIGHTING PLAN C

SHEET NUMBER:

C-710

REVISION 1 - 12/16/2021

P:\211\W211141\DRAWING\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_DEFINITIVE SUB----LAYOUT: C-710 LIGHT C

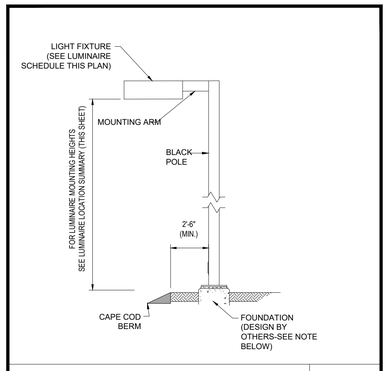
NUMERIC SUMMARY

LABEL	CALCTYPE	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
AREA SUMMARY	ILLUMINANCE	FC	1.29	4.4	0.1	12.90	44.00

LUMINAIRE SCHEDULE

SYMBOL	QTY	ARRANGEMENT	LUMENS	LLF	DESCRIPTION
A	30	SINGLE	19072	0.90	LEOTEK GREENCOBRA MIDSIZE LED STREET LIGHT MOUNTED @ 30'; GCM3-60J-HV-40K-3K-XX-190

XX - FINISH TO BE DETERMINED BY CLIENT
TRUSS ARM - VALMONT ROUND TAPER ALUMINUM ELLIPTICAL TRUSS ARM, 15' SINGLE - CLAMP MOUNT



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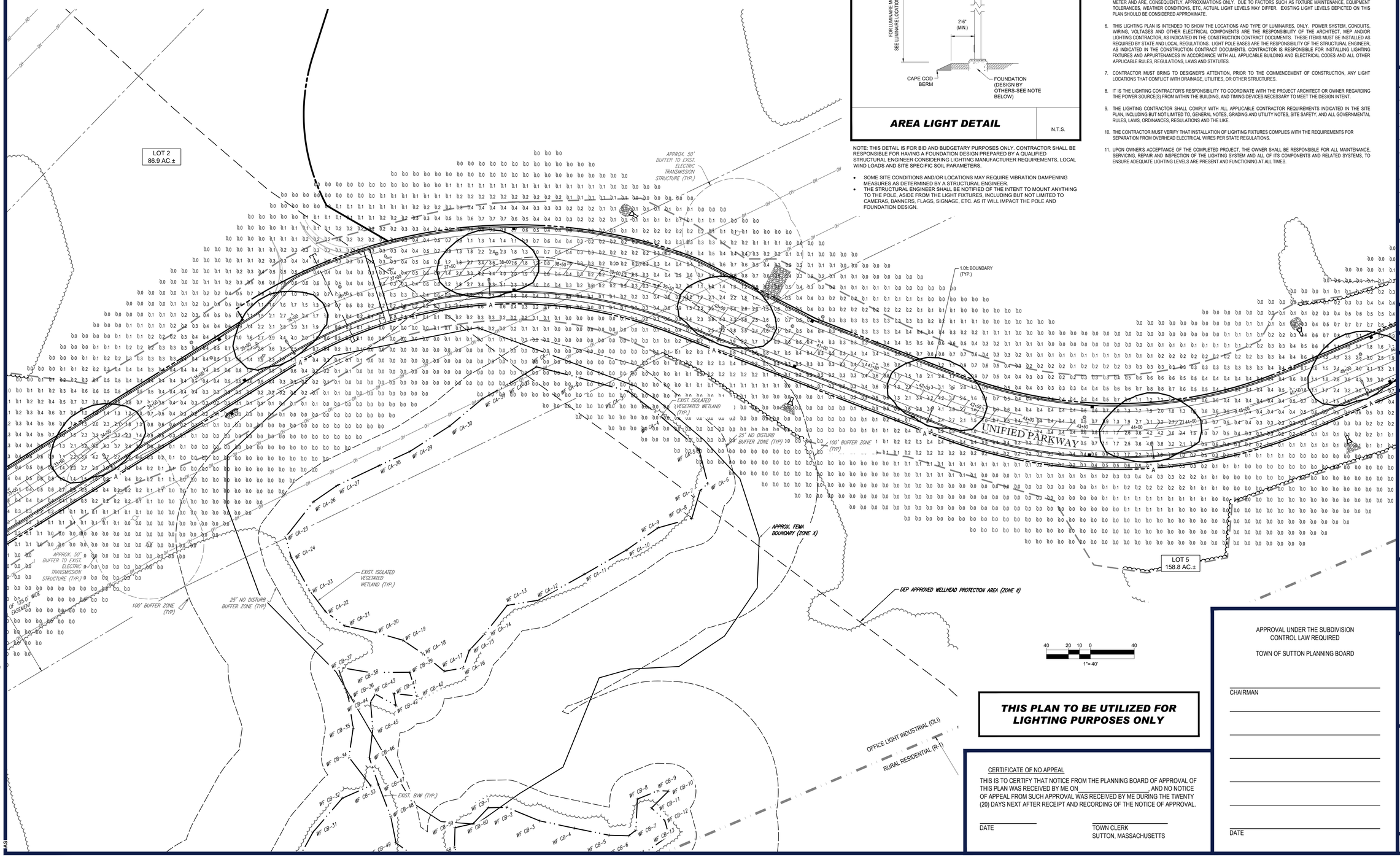

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DATE

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.: W211141-CVL-1_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

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UNIFIED PARKWAY

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MAINE LICENSE No. 12553

SHEET TITLE:

PROPOSED PHOTOMETRIC LIGHTING PLAN D

SHEET NUMBER:

C-711

REVISION 1 - 12/16/2021

P:\211\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_DEFINITIVE SUB----LAYOUT: C-711 LIGHT D

NUMERIC SUMMARY

LABEL	CALCTYPE	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
AREA SUMMARY	ILLUMINANCE	FC	1.29	4.4	0.1	12.90	44.00

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SYMBOL	QTY	ARRANGEMENT	LUMENS	LLF	DESCRIPTION
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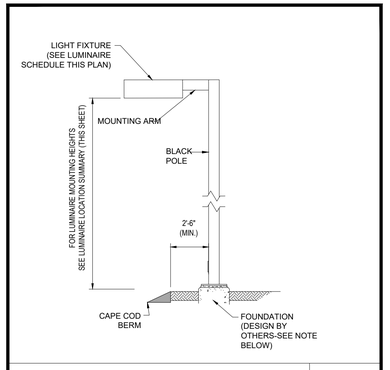

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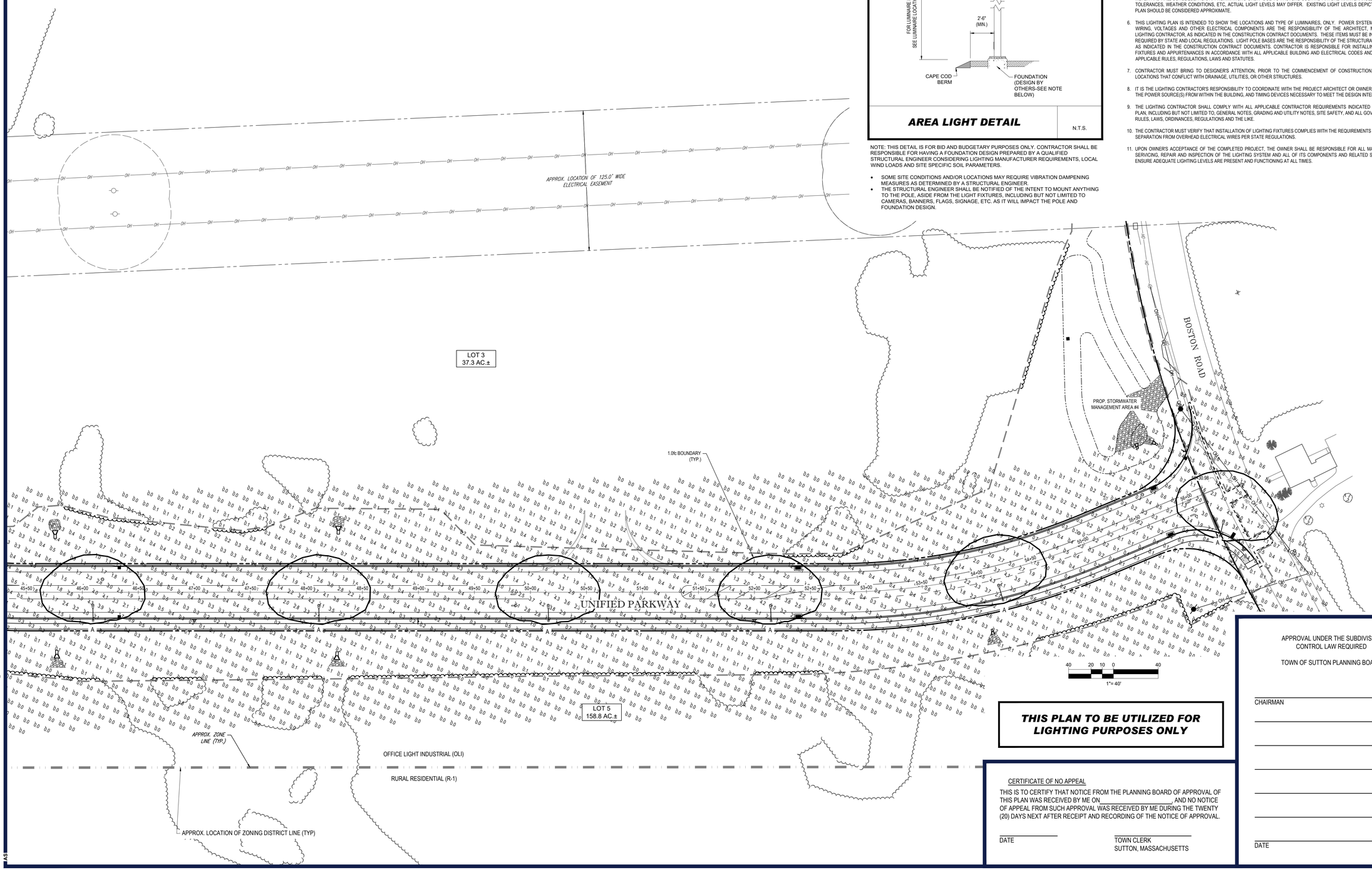
10. THE CONTRACTOR MUST VERIFY THAT INSTALLATION OF LIGHTING FIXTURES COMPLIES WITH THE REQUIREMENTS FOR SEPARATION FROM OVERHEAD ELECTRICAL WIRES PER STATE REGULATIONS.
11. UPON OWNER'S ACCEPTANCE OF THE COMPLETED PROJECT, THE OWNER SHALL BE RESPONSIBLE FOR ALL MAINTENANCE, SERVICING, REPAIR AND INSPECTION OF THE LIGHTING SYSTEM AND ALL OF ITS COMPONENTS AND RELATED SYSTEMS, TO ENSURE ADEQUATE LIGHTING LEVELS ARE PRESENT AND FUNCTIONING AT ALL TIMES.



THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY

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DATE

TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.: W211141-CVL-1_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

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REGISTERED PROFESSIONAL ENGINEER
MASSACHUSETTS LICENSE No. 41530
NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 9616
MAINE LICENSE No. 12553

SHEET TITLE:

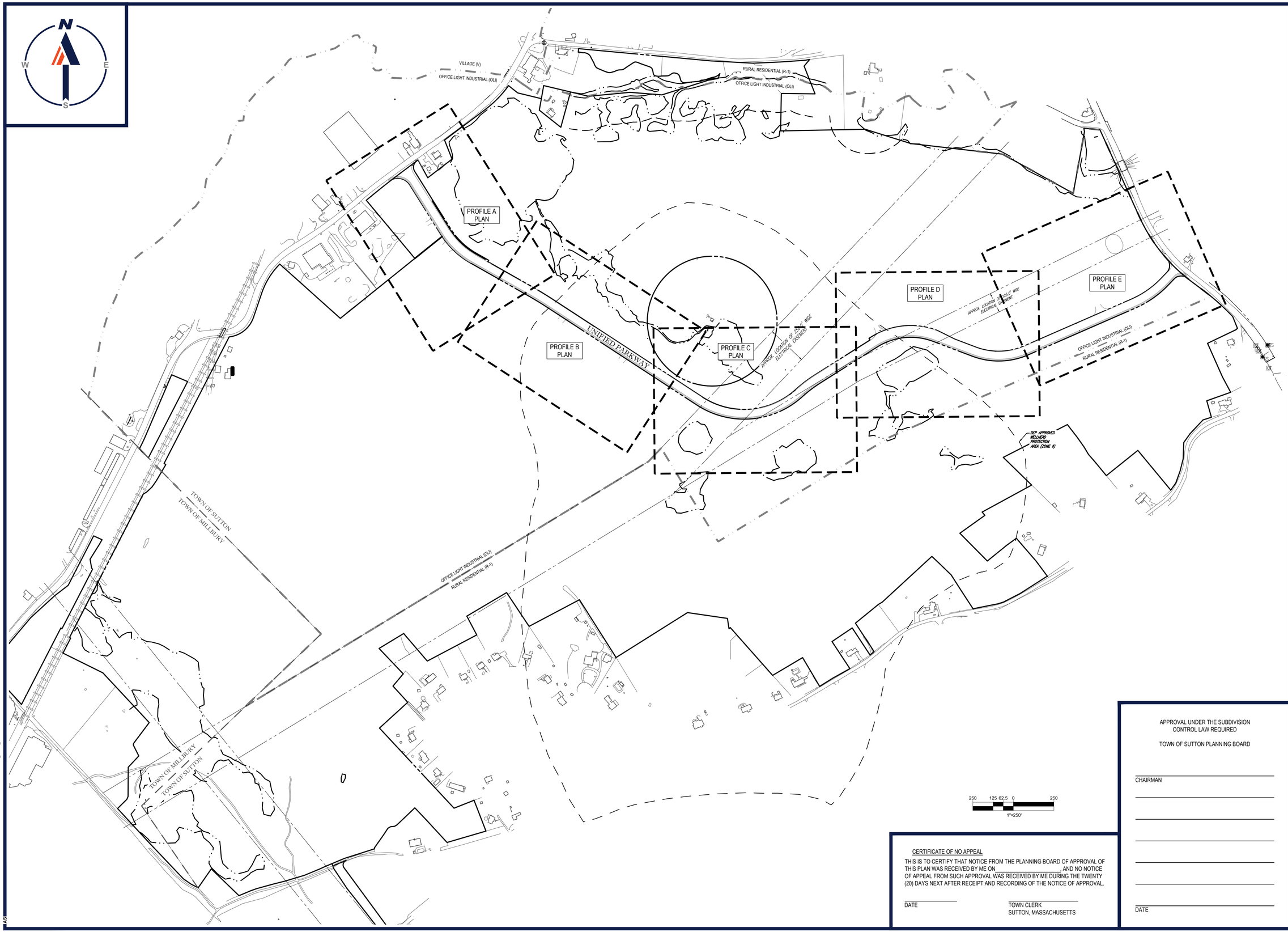
PROPOSED PHOTOMETRIC LIGHTING PLAN E

SHEET NUMBER:

C-712

REVISION 1 - 12/16/2021

P:\2021\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_DEFINITIVE SUB----LAYOUT: C-712 LIGHT E
AJS



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DATE

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SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.:W211141-CVL-1_PROF_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

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MASSACHUSETTS LICENSE No. 41530
NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 9616
MAINE LICENSE No. 12553

SHEET TITLE:

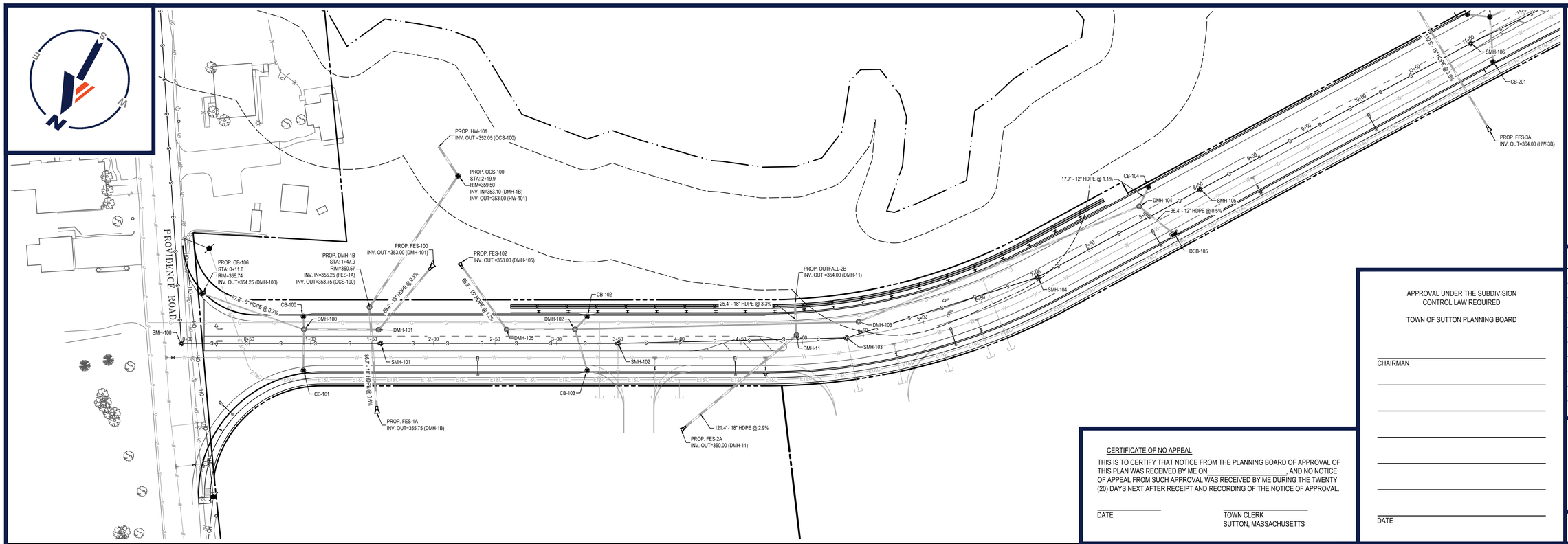
OVERALL PROFILE PLAN

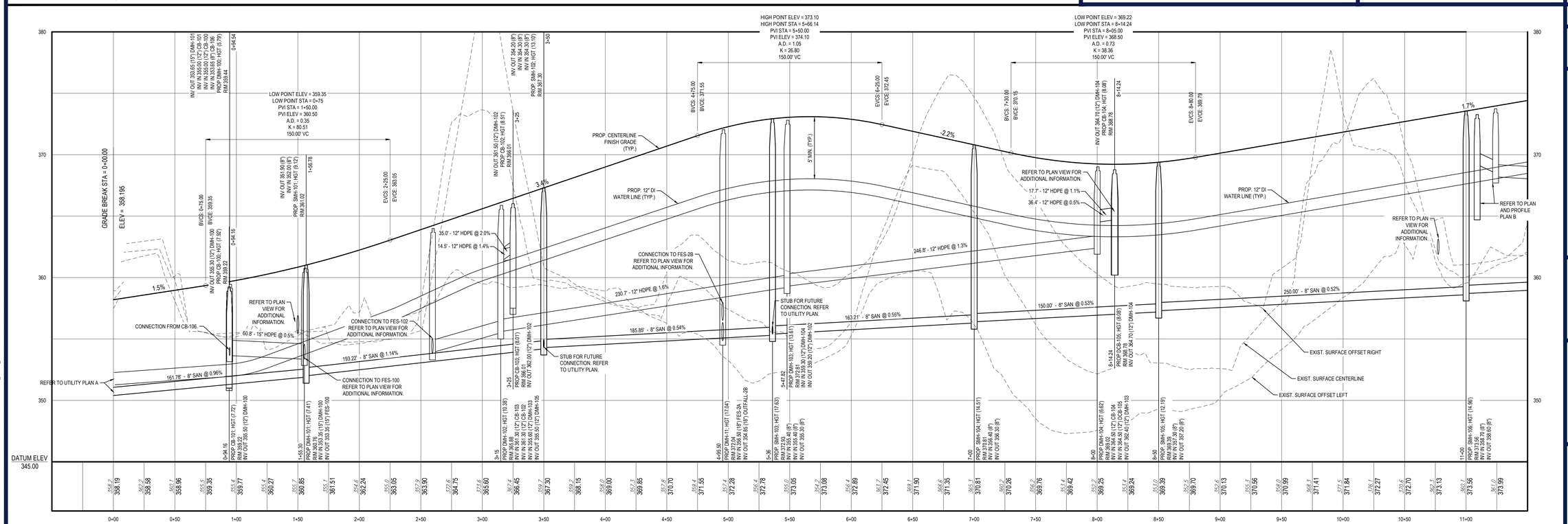
SHEET NUMBER:

C-801

REVISION 1 - 12/16/2021

P:\2\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_PROF_DEFINITIVE SUB----LAYOUT: C-801-OVERALL PROFILE
AJS





APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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SUTTON, MASSACHUSETTS

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CAD I.D.W211141-CVL-1_PROF_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

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CONNECTICUT CERTIFICATE OF AUTHORIZATION No. 26177
RHODE ISLAND LICENSE No. 26616
MAINE LICENSE No. 12553

SHEET TITLE:

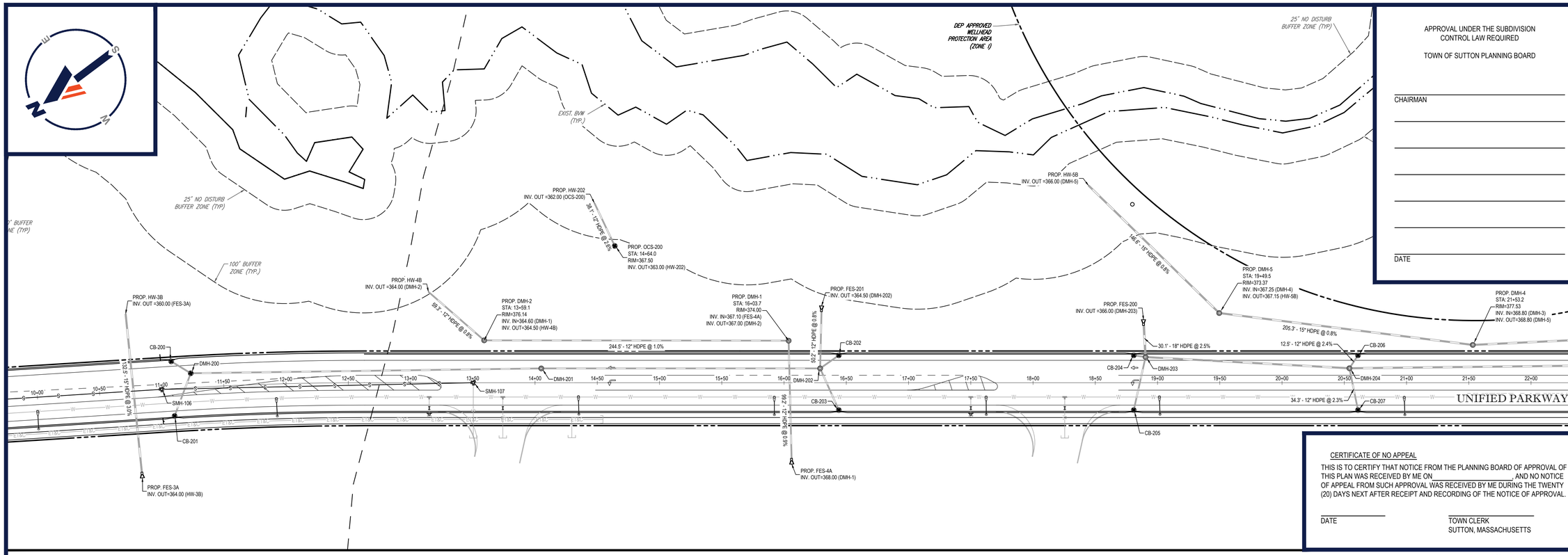
PROPOSED ROADWAY PLAN AND PROFILE "A"

SHEET NUMBER:

C-802

REVISION 1 - 12/16/2021

P:\211\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_PROF_DEFINITIVE SUB----\LAYOUT: C-802-PROFILE A



APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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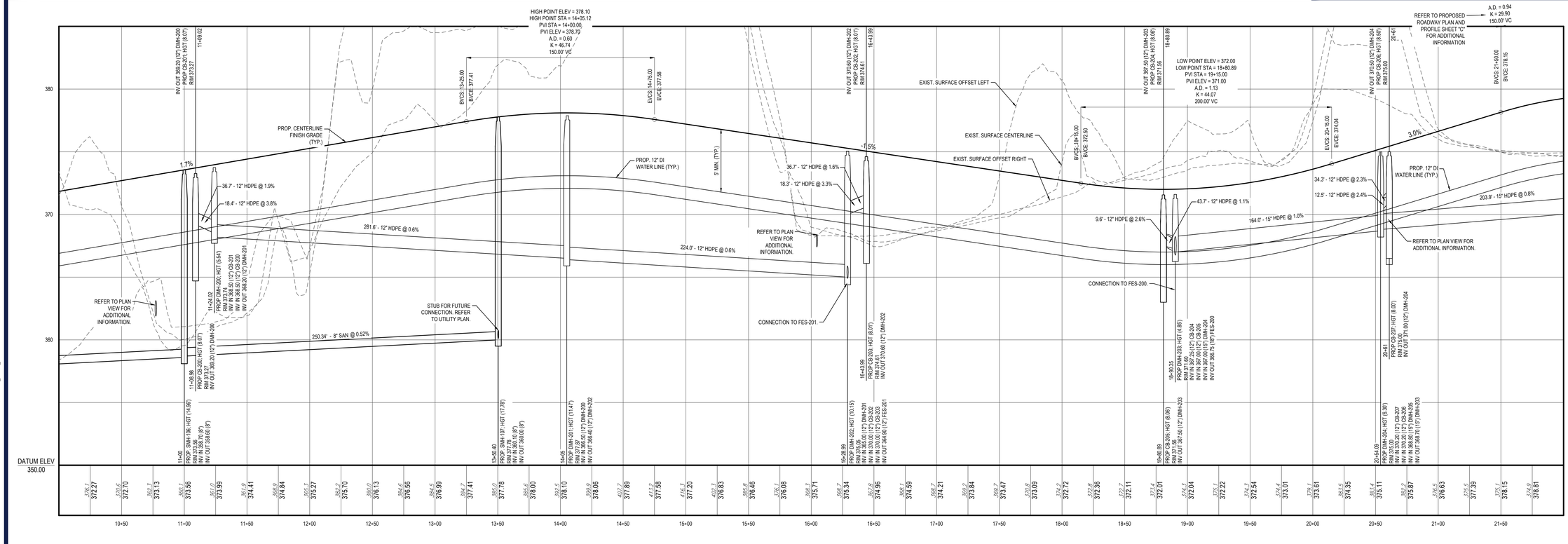
DATE

TOWN CLERK
SUTTON, MASSACHUSETTS



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PROJECT:

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FOR

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MASSACHUSETTS LICENSE No. 41530
NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 28127
RHODE ISLAND LICENSE No. 9616
MAINE LICENSE No. 12553

SHEET TITLE:

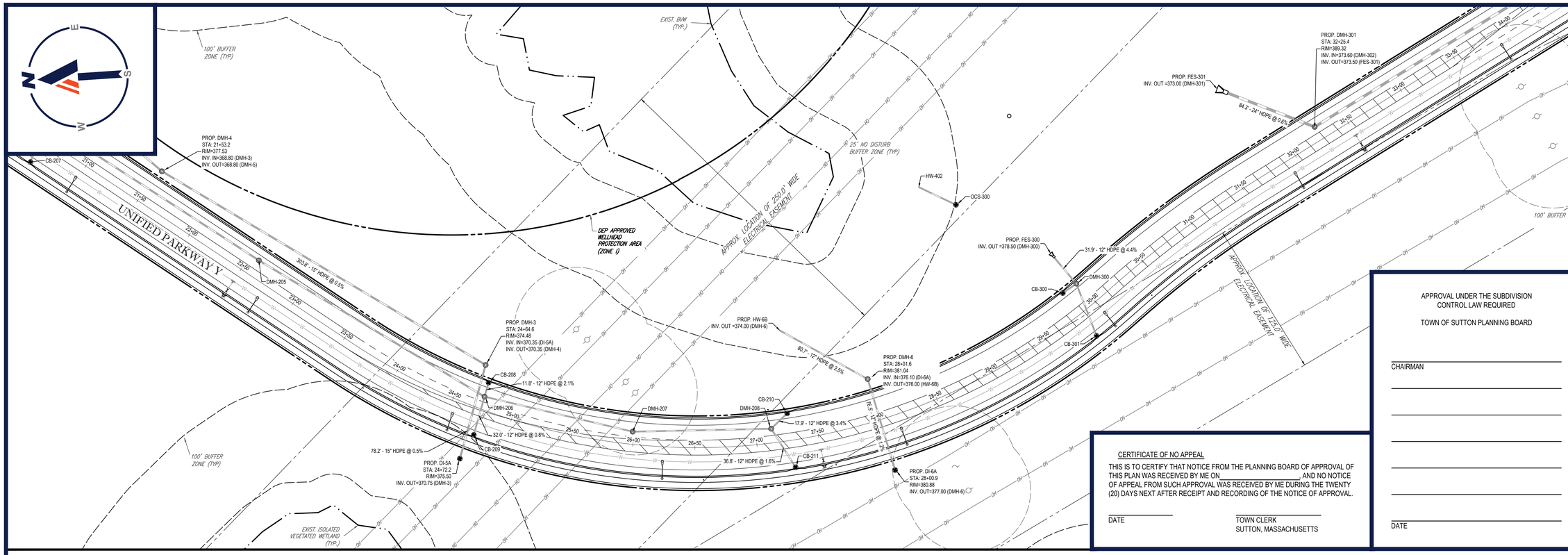
PROPOSED ROADWAY PLAN AND PROFILE "B"

SHEET NUMBER:

C-803

REVISION 1 - 12/16/2021

P:\211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_PROF_DEFINITIVE SUB----LAYOUT: C-803-PROFILE B



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DATE

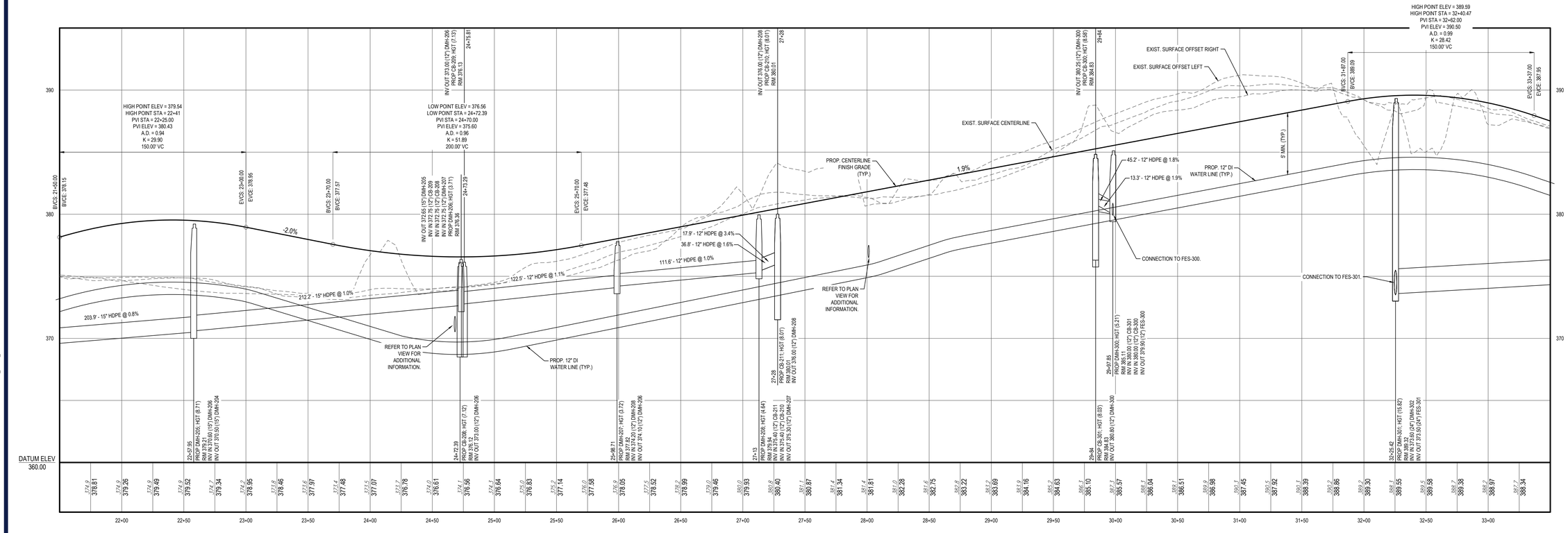
TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE



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SCALE: 1"= 40' HORIZONTAL
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CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.W211141-CVL-1_PROF_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

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MASSACHUSETTS LICENSE No. 41530
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CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 26116
MAINE LICENSE No. 12553

SHEET TITLE:

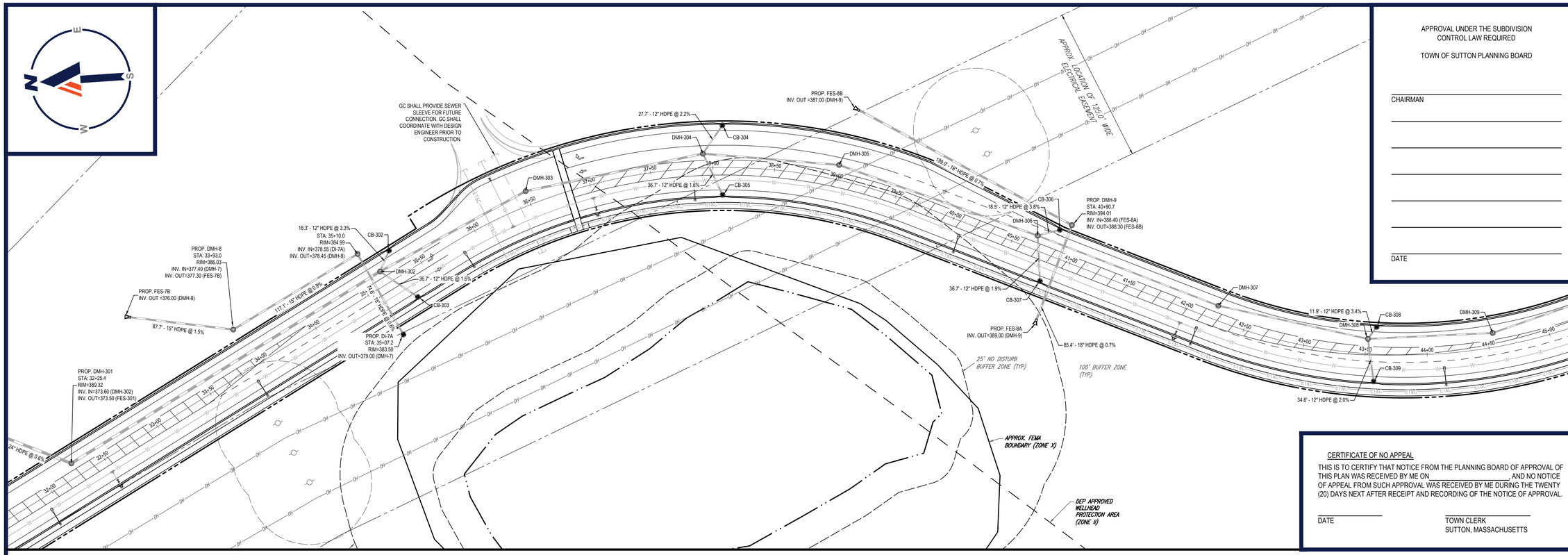
PROPOSED ROADWAY PLAN AND PROFILE "C"

SHEET NUMBER:

C-804

REVISION 1 - 12/16/2021

P:\211W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_PROF_DEFINITIVE SUB----\LAYOUT: C-804-PROFILE C
AS



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TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

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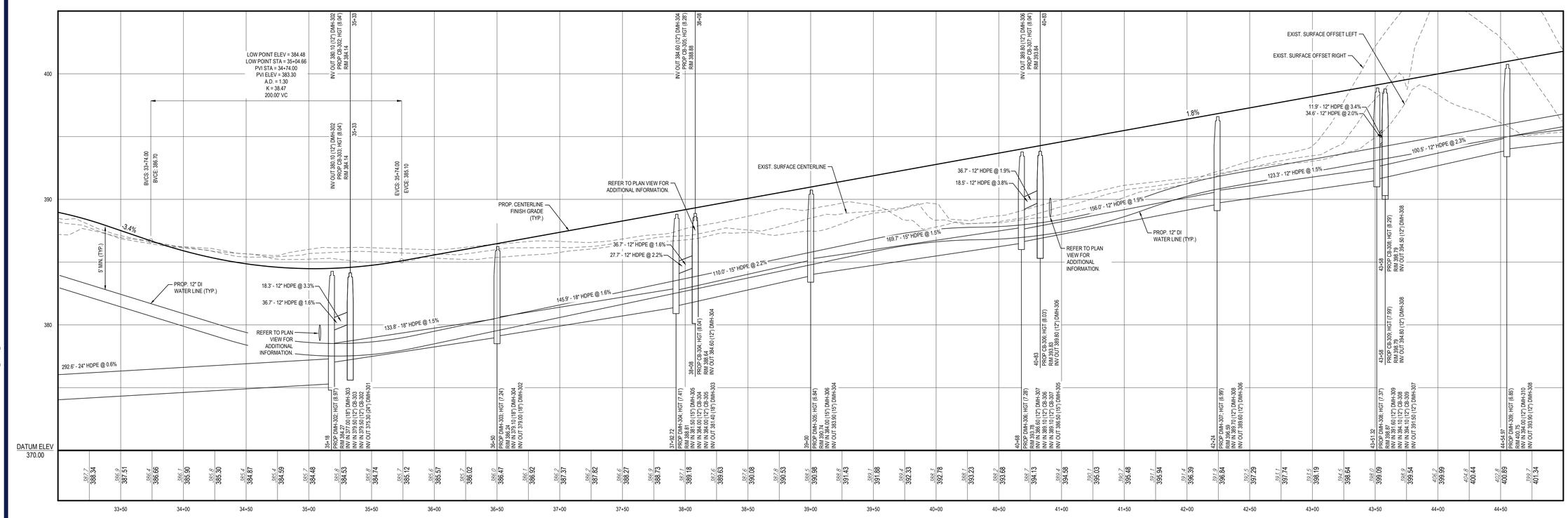

UNIFIED PARKWAY (STA: 33+25 - STA: 44+75)

SCALE: 1"= 40 ' HORIZONTAL
1"= 4 ' VERTICAL

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.W211141-CVL-1_PROF_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED2 GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

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JOHN A. KUCICH
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REGISTERED PROFESSIONAL ENGINEER
MASSACHUSETTS No. 41530
NEW HAMPSHIRE LICENSE No. 15476
CONNECTICUT LICENSE No. 26177
RHODE ISLAND LICENSE No. 26616
MAINE LICENSE No. 12553

SHEET TITLE:

PROPOSED ROADWAY PLAN AND PROFILE "D"

SHEET NUMBER:

C-805

REVISION 1 - 12/16/2021

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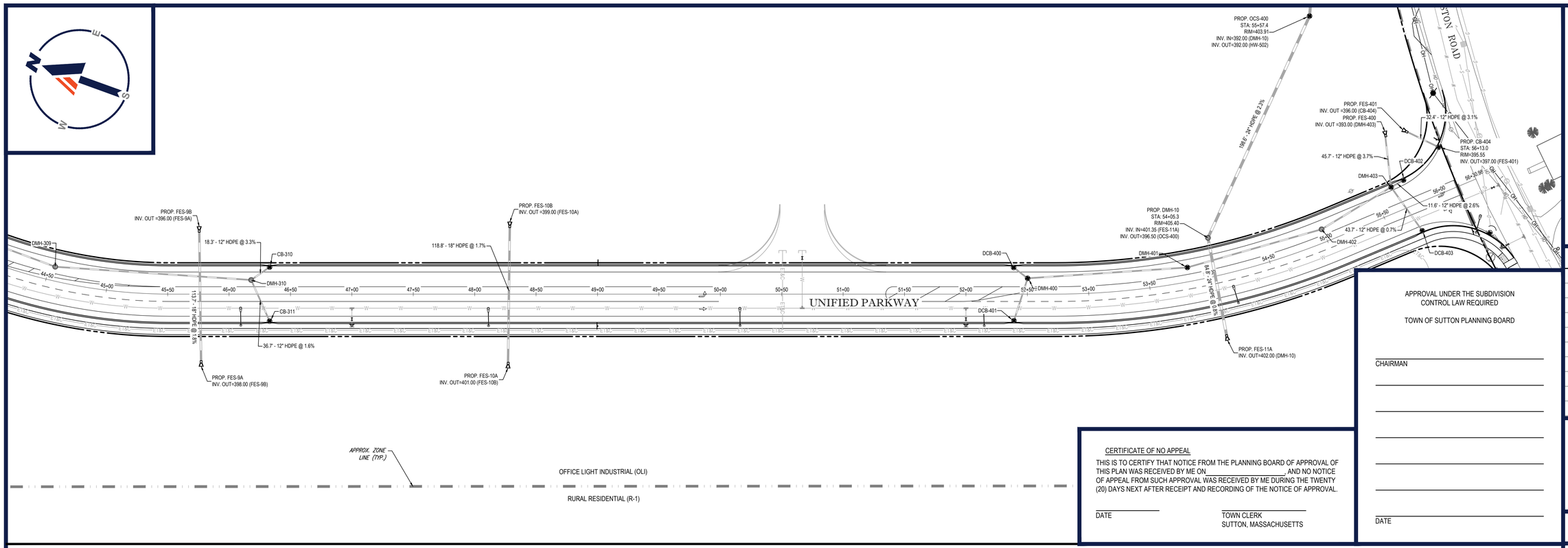

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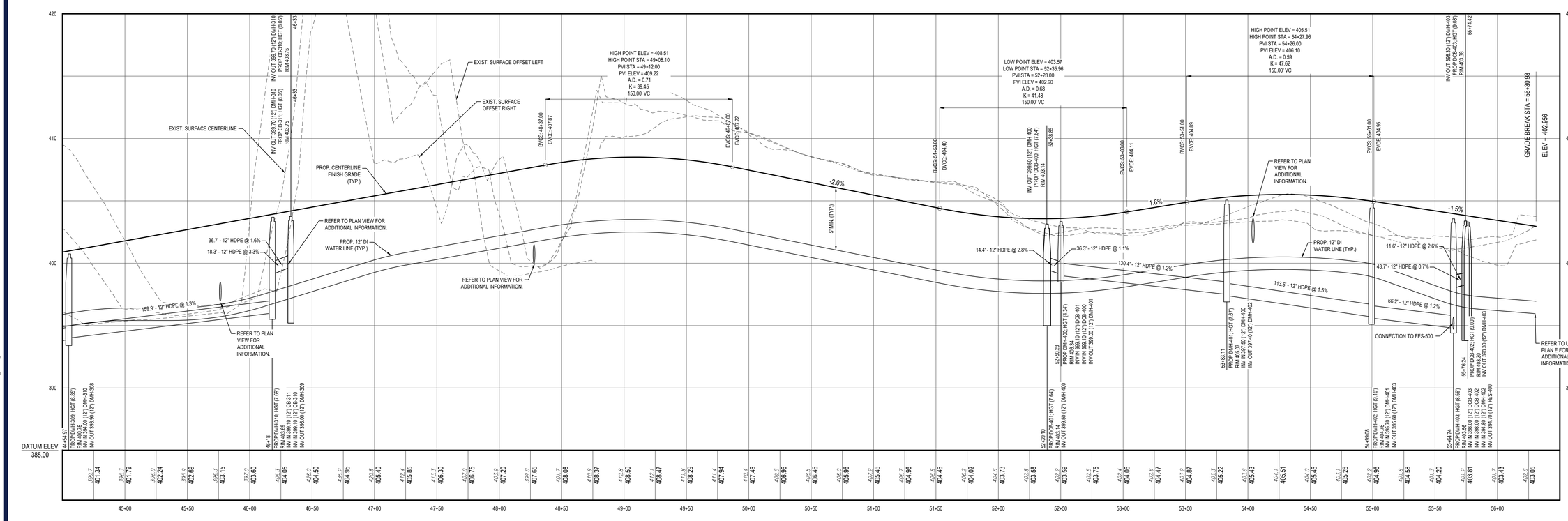
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE



UNIFIED PARKWAY (STA: 44+75 - STA: 56+31)

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PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.W211141-CVL-1_PROF_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

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CONNECTICUT LICENSE No. 26177
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MAINE LICENSE No. 12553

SHEET TITLE:

PROPOSED ROADWAY PLAN AND PROFILE "E"

SHEET NUMBER:

C-806

REVISION 1 - 12/16/2021

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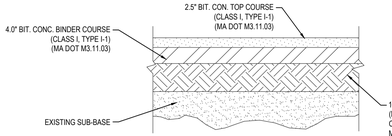
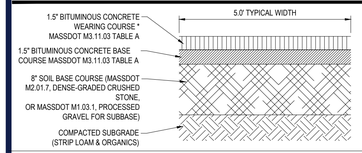
AJS



NOTE:
PAVEMENT BASE AND SUBBASE COURSES TO CONFORM TO ALL MASSDOT HIGHWAY DIVISION SPECIFICATIONS AND CONSTRUCTED IN CONFORMANCE WITH THE TOWN OF SUTTON SUBDIVISION RULES AND REGULATIONS.

TYPICAL PAVEMENT SECTION

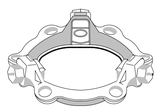
N.T.S.



NOTES:
1. PAVEMENT BASE AND SUBBASE COURSES TO CONFORM TO ALL MASSDOT HIGHWAY DIVISION SPECIFICATIONS AND CONSTRUCTED IN CONFORMANCE WITH THE TOWN OF SUTTON SUBDIVISION RULES AND REGULATIONS.

BITUMINOUS CONCRETE SIDEWALK PAVEMENT SECTION

N.T.S.



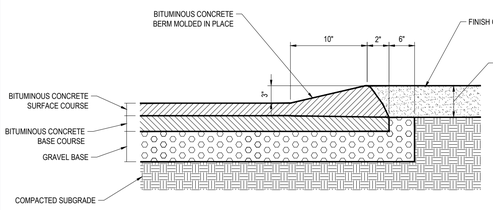
WEDGE ACTION
RESTRAINT DEVICE

TYPICAL THRUST RESTRAINT USING
WEDGE ACTION RESTRAINT DEVICE

NOTES:
1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING SITE SPECIFIC DESIGN FROM MANUFACTURER.
2. DEVICES NEED TO BE PLACED BEYOND THE AREA OF RESTRAINTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

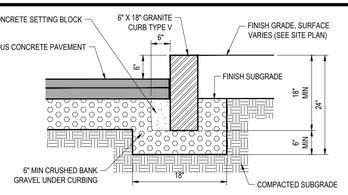
TYPICAL WATER LINE JOINT RESTRAINT "MEGALUG" DETAIL

N.T.S.



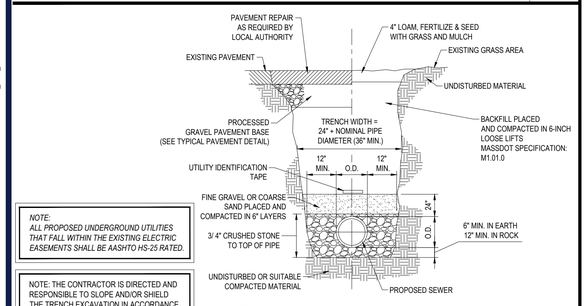
CAPE COD BERM

N.T.S.



VERTICAL GRANITE CURB

N.T.S.



NOTE:
ALL PROPOSED UNDERGROUND UTILITIES THAT FALL WITHIN THE EXISTING ELECTRIC EASEMENTS SHALL BE AASHTO HS-25 RATED.

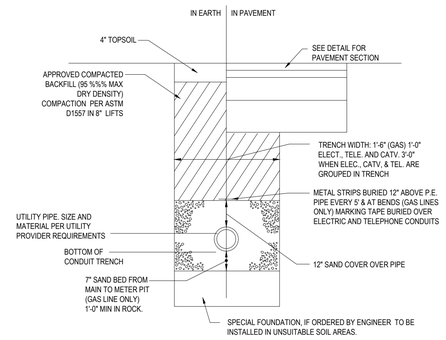
NOTE: THE CONTRACTOR IS DIRECTED AND RESPONSIBLE TO SLOPE AND/OR SHIELD THE TRENCH EXCAVATION IN ACCORDANCE WITH ALL APPLICABLE OSHA REGULATIONS.

NOTE:
1. DETAIL SHOWN FOR GRAPHICAL PURPOSES ONLY. PROVIDE SEWER LINE TRENCH IN ACCORDANCE WITH UTILITY OWNER'S REQUIREMENTS.

SEWER AND FORCE MAIN TRENCH DETAIL

N.T.S.

NOTE: THE CONTRACTOR IS DIRECTED AND RESPONSIBLE TO SLOPE AND/OR SHIELD THE TRENCH EXCAVATION IN ACCORDANCE WITH ALL APPLICABLE OSHA REGULATIONS.

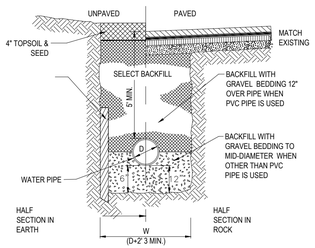


NOTE: THE CONTRACTOR IS DIRECTED AND RESPONSIBLE TO SLOPE AND/OR SHIELD THE TRENCH EXCAVATION IN ACCORDANCE WITH ALL APPLICABLE OSHA REGULATIONS.

NOTE:
ALL PROPOSED UNDERGROUND UTILITIES THAT FALL WITHIN THE EXISTING ELECTRIC EASEMENTS SHALL BE AASHTO HS-25 RATED.

ELECTRICAL, TELEPHONE AND GAS TRENCH DETAIL

N.T.S.

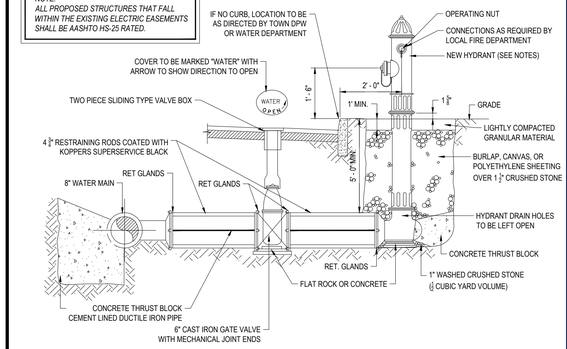


NOTE:
ALL PROPOSED UNDERGROUND UTILITIES THAT FALL WITHIN THE EXISTING ELECTRIC EASEMENTS SHALL BE AASHTO HS-25 RATED.

TYPICAL WATER TRENCH

N.T.S.

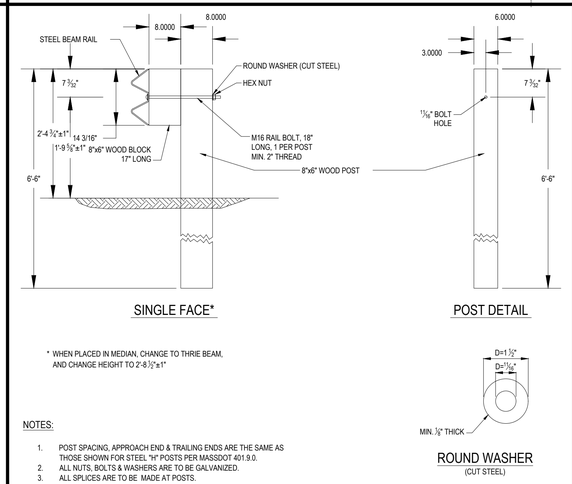
NOTE:
ALL PROPOSED STRUCTURES THAT FALL WITHIN THE EXISTING ELECTRIC EASEMENTS SHALL BE AASHTO HS-25 RATED.



NOTES:
1. HYDRANTS AND APPURTENANCES SHALL BE EQUAL IN QUALITY TO THOSE PRESENTLY BEING PURCHASED BY THE TOWN OF SUTTON WATER DEPARTMENT AND SHOULD BE APPROVED BY THE TOWN PRIOR TO ORDERING MATERIALS.
2. HYDRANTS SHALL CONFORM IN ALL RESPECTS TO U.S. PIPE METROPOLITAN 250 MODEL-94 OR CLOW MEDALLION, PER THE TOWN OF SUTTON WATER DEPARTMENT RULES AND REGULATIONS, DATED 12/11/12.
3. HYDRANTS SHALL HAVE A 5 1/4" MAIN VALVE, 2-2 1/2" HOSE NOZZLES, 1-4 1/2" PUMPER NOZZLE, INDEPENDENT DRAIN AND DRAIN ROD, 1- 1/2" OPERATING NUT, AND NATIONAL STANDARD THREADS.
4. HYDRANTS SHALL OPEN COUNTER-CLOCKWISE.
5. HYDRANTS SHALL BE INSTALLED NOT LESS THAN 34" FROM THE GROUND AND NOT MORE THAN 40" HIGH.

HYDRANT & VALVE INSTALLATION

N.T.S.



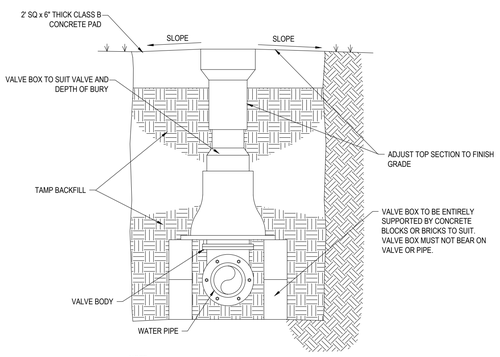
* WHEN PLACED IN MEDIAN, CHANGE TO THRIE BEAM, AND CHANGE HEIGHT TO 2'-8 1/2"±1"

NOTES:

1. POST SPACING, APPROACH END & TRAILING ENDS ARE THE SAME AS THOSE SHOWN FOR STEEL "H" POSTS PER MASSDOT 401.9.0.
2. ALL NUTS, BOLTS & WASHERS ARE TO BE GALVANIZED.
3. ALL SPLICES ARE TO BE MADE AT POSTS.

GUIDE RAIL DETAIL

N.T.S.

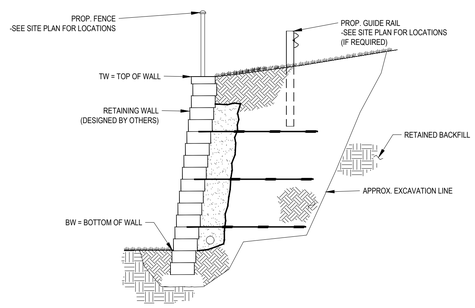


NOTE:
GATE VALVE SHALL BE IN ACCORDANCE WITH THE TOWN OF SUTTON DEPARTMENT OF PUBLIC WORKS MATERIALS SPECIFICATIONS.

NOTE:
ALL PROPOSED STRUCTURES THAT FALL WITHIN THE EXISTING ELECTRIC EASEMENTS SHALL BE AASHTO HS-25 RATED.

GATE VALVE

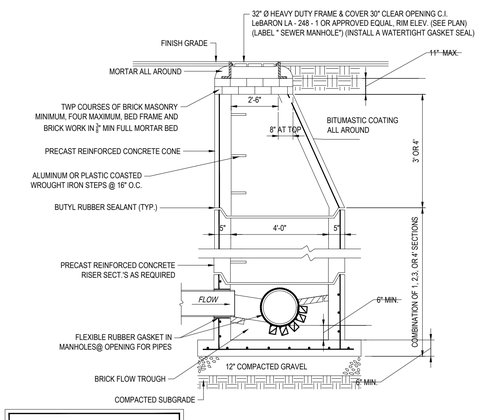
N.T.S.



NOTES:
[1] THIS DETAIL PROVIDED FOR REFERENCE ONLY. DESIGN OF PROPOSED RETAINING WALLS TO BE PREPARED BY A LICENSED STRUCTURAL ENGINEER.
[2] RETAINING WALL & ASSOCIATED REINFORCEMENT SHALL BE DESIGNED TO ACCOMMODATE PROPOSED FENCE, GUIDE RAIL, SUBSURFACE STRUCTURES, UTILITIES AND ALL OTHER WORK SHOWN ON THESE SITE DEVELOPMENT PLANS.
[3] RETAINING WALL DESIGNER MUST ACCOUNT FOR MULTIPLE STORM STRUCTURES BEHIND WALL INCLUDING PARALLEL STORM PIPE THAT MAY INTERFERE WITH GEOSYNTHETIC REINFORCEMENT.
[4] SEE GRADING & DRAINAGE PLAN FOR PROPOSED ELEVATIONS AND SLOPES ASSOCIATED WITH SAME.

REINFORCED RETAINING WALL

N.T.S.

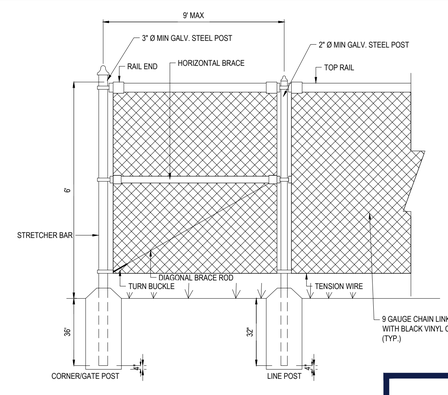


NOTE:
ALL PROPOSED STRUCTURES THAT FALL WITHIN THE EXISTING ELECTRIC EASEMENTS SHALL BE AASHTO HS-25 RATED.

NOTE: ALL STRUCTURES SHALL BE SUITABLE FOR H-20 LOADING AND SHALL MEET THE REQUIREMENTS OF ASTM C478.

TYP. PRECAST CONCRETE SANITARY MANHOLE

N.T.S.



BLACK VINYL CHAIN LINK FENCE

N.T.S.

CERTIFICATE OF NO APPEAL

THIS IS TO CERTIFY THAT NOTICE FROM THE PLANNING BOARD OF APPROVAL OF THIS PLAN WAS RECEIVED BY ME ON_____ AND NO NOTICE OF APPEAL FROM SUCH APPROVAL WAS RECEIVED BY ME DURING THE TWENTY (20) DAYS NEXT AFTER RECEIPT AND RECORDING OF THE NOTICE OF APPROVAL.

DATE

TOWN CLERK
SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION
CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

CHAIRMAN

DATE

BOHLER™

SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

THE INFORMATION, DESIGN AND CONTENT OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE COPIED OR USED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM BOHLER. ONLY APPROVED, SIGNED AND SEALED PLANS SHALL BE UTILIZED FOR CONSTRUCTION PURPOSES
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REVISIONS

REV	DATE	COMMENT	DRAWN BY / CHECKED BY
1	12/16/2021	PEER REVIEW COMMENTS	AJS / JK / KC

Know what's below. Call before you dig.

ALWAYS CALL 811

It's fast. It's free. It's the law.

DEFINITIVE PLAN

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.: W211141-CVL-1_DET_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

BOHLER

352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900

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REGISTERED PROFESSIONAL ENGINEER
COMMONWEALTH OF MASSACHUSETTS
NEW YORK LICENSE No. 087177
CONNECTICUT LICENSE No. 28127
RHODE ISLAND LICENSE No. 9818
MAINE LICENSE No. 12653

SHEET TITLE:

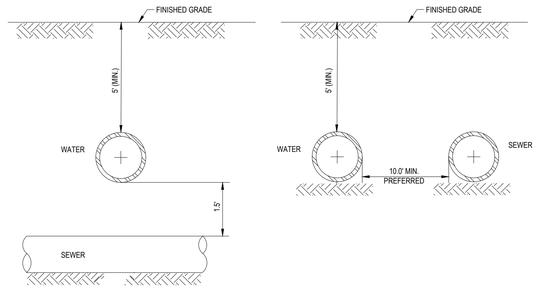
DETAIL SHEET

SHEET NUMBER:

C-901

REVISION 1 - 12/16/2021

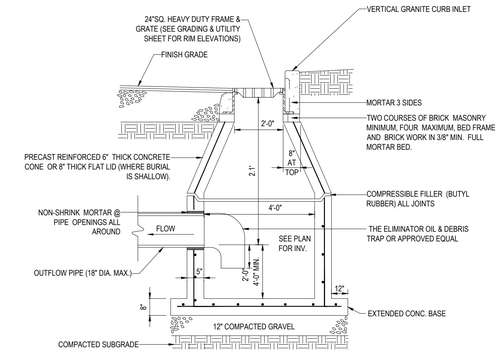
P:\211\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_DET_DEFINITIVE SUB----LAYOUT: C-901-DETAILS



NOTE:
10' HORIZONTAL SEPARATION AND 1.5' VERTICAL SEPARATION SHALL BE PROVIDED BETWEEN WATER AND SEWER AS DEPICTED IN THIS DETAIL OR SEWER SHALL BE ENCASED IN CONCRETE (SEE "CONCRETE ENCASEMENT DETAIL AT UTILITY CROSSING" DETAIL THIS SHEET) IN SECTIONS WHERE SEPARATIONS SHALL NOT BE ACHIEVED.

WATER/SEWER CROSSING DETAIL

N.T.S.

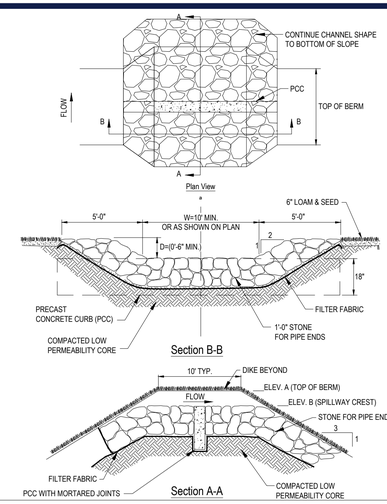


NOTES:
1. ALL STRUCTURES SHALL BE SUITABLE FOR H-20 LOADING AND SHALL MEET THE REQUIREMENTS OF ASTM C478.
2. USE PRECAST FLAT SLAB TOP FOR SHALLOW INVERT APPLICATIONS.
3. USE VERTICAL GRANITE CURB INLET AT ALL CATCH BASIN LOCATIONS.
4. GRATES FOR CATCH BASINS CB200-CB210 AND CB300-CB311 SHALL BE INSCRIBED WITH "DO NOT DUMP - DRAINS TO WATERWAYS", OR APPROVED EQUAL.

NOTE:
ALL PROPOSED STRUCTURES THAT FALL WITHIN THE EXISTING ELECTRIC EASEMENTS SHALL BE AASHTO HS-25 RATED.

PRECAST CONCRETE DEEP SUMP CATCH BASIN DETAIL

N.T.S.

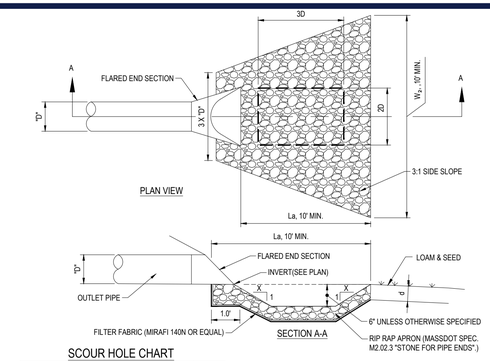


EMERGENCY SPILLWAY SCHEDULE

STORMWATER MANAGEMENT AREA	Elev. A	Elev. B
BASIN 1	358.00	357.00
BASIN 2	368.00	367.00
BASIN 3	378.00	377.00
BASIN 4	398.00	397.00

OVERFLOW SPILLWAY

N.T.S.



SCOUR HOLE CHART

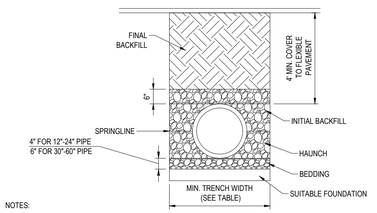
LOCATION	D (in.)	F (ft.)	C (ft.)	B (ft.)	d (in.)
HW-101	18	0.75	10	10	6
OUTFALL-2B	18	0.75	10	10	6
HW-3B	15	0.63	10	10	6
HW-4B	12	0.50	10	10	6
HW-5B	15	0.63	10	10	6
HW-6B	12	0.50	10	10	6
FES-8B	18	0.75	10	10	6
FES-9B	18	0.75	10	10	12
FES-10B	18	0.75	10	10	12
HW-502	24	1.00	12	10	12

RIP-RAP APRON CHART

LOCATION	D (in.)	X	La (ft.)	W_2 (ft.)	d (in.)
FES-7B	15	3	10	20	6

FLARED END SECTION WITH RIP RAP APRON

N.T.S.



RECOMMENDED MIN. TRENCH WIDTH	
PIPE DIA.	MIN. TRENCH WIDTH
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
48"	80"
60"	96"

NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321 , "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION.

2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.

3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.

4. BEDDING: SUITABLE MATERIAL FOR HDPE PIPE SHALL MEET THE REQUIREMENTS OF AASHTO M 145, A-1, A-2-4, A-2-5, OR A-3. A STABLE AND UNIFORM BEDDING SHALL BE PROVIDED FOR THE PIPE AND ANY PROTRUDING FEATURES OF ITS JOINT AND/OR FITTINGS. THE MIDDLE OF THE BEDDING EQUAL TO 1/3 OF THE PIPE O.D. MAY BE LOOSELY PLACED, WHILE THE REMAINDER SHALL BE COMPACTED TO A MINIMUM 95% OF MAXIMUM DENSITY PER AASHTO T99. A MINIMUM OF 4" OF BEDDING SHALL BE PROVIDED PRIOR TO PLACEMENT OF THE PIPE, UNLESS AN UNYIELDING MATERIAL (ROCK CUTS) IS PRESENT IN THE TRENCH BOTTOM, THEN A 6" CUSHION OF BEDDING IS RECOMMENDED. BEDDING MATERIAL SIZE SHALL BE 1.5" MAXIMUM GRANULAR MATERIAL.

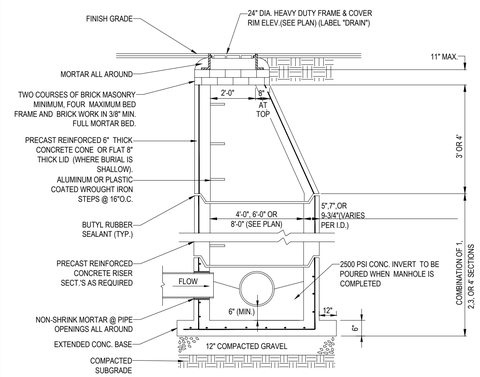
5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

6. MINIMUM COVER: MINIMUM COVER SHALL BE FOUR (4) FEET, PER THE TOWN OF SUTTON SUBDIVISION RULES & REGULATIONS.

NOTE:
ALL PROPOSED UNDERGROUND UTILITIES THAT FALL WITHIN THE EXISTING ELECTRIC EASEMENTS SHALL BE AASHTO HS-25 RATED.

HDPE STORM DRAINAGE TRENCH

N.T.S.

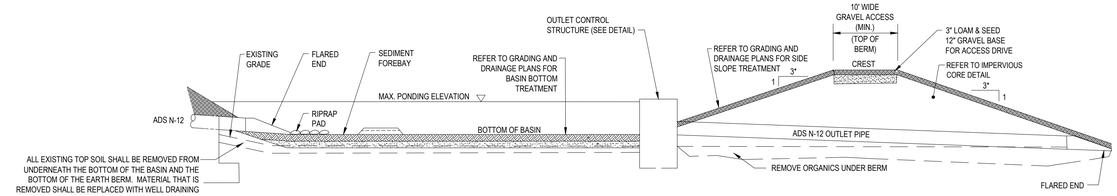


NOTE:
ALL PROPOSED STRUCTURES THAT FALL WITHIN THE EXISTING ELECTRIC EASEMENTS SHALL BE AASHTO HS-25 RATED.

NOTES:
1. ALL STRUCTURES SHALL BE SUITABLE FOR H-20 LOADING AND SHALL MEET THE REQUIREMENTS OF ASTM C478.
2. CONTRACTOR SHALL SIZE MANHOLE AS NECESSARY TO ACCOMMODATE THE PROPOSED PIPE SIZES AND PENETRATIONS USING GEOMETRY SHOWN ON THE GRADING AND DRAINAGE PLANS AS WELL AS INFORMATION PROVIDED IN THE ROADWAY PROFILES.

TYP. PRECAST CONCRETE MANHOLE STORM DRAIN

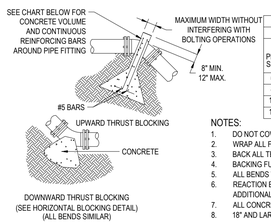
N.T.S.



ALL EXISTING TOP SOIL SHALL BE REMOVED FROM UNDERNEATH THE BOTTOM OF THE BASIN AND THE BOTTOM OF THE EARTH BERM. MATERIAL THAT IS REMOVED SHALL BE REPLACED WITH WELL DRAINING MATERIAL (SAND, SANDY LOAM). FILL MATERIAL SHALL BE FREE OF DEBRIS AND OTHER DELETERIOUS MATERIALS. MATERIAL SHALL BE PLACED TO AVOID COMPACTION OF SOILS TO ALLOW FOR INFILTRATION OF STORM WATER.

TYPICAL BASIN CROSS SECTION DETAIL

N.T.S.

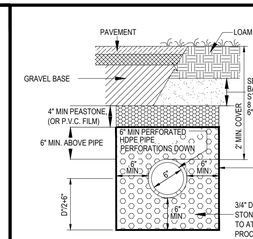


UPWARD THRUST BLOCKING (REQUIRED REINFORCING BARS & CUBIC YARDS OF P.C. CONCRETE													
	90° BEND			45° BEND			22 1/2° BEND			11 1/4°BEND			
PIPE SIZE	CONC. C.Y.	REINF QTY	REINF SIZE	CONC. C.Y.	REINF QTY	REINF SIZE	CONC. C.Y.	REINF QTY	REINF SIZE	CONC. C.Y.	REINF QTY	REINF SIZE	
6"	1.5	3	5	1.5	3	5	1.25	2	5	1.25	2	5	
8"	2	3	5	2	3	5	1.5	2	5	1.5	2	5	
10"	2.5	3	5	2.5	3	5	2	3	5	2	3	5	
12"	3	3	5	3	3	5	2.5	3	5	2.5	3	5	

NOTES:
1. DO NOT COVER BELLS OR FLANGES WITH CONCRETE
2. WRAP ALL FITTINGS WITH VISQUEEN.
3. BACK ALL TEES ACCORDING TO SIZE OF BRANCH.
4. BACKING FUTURE LINE EXTENSIONS SHALL BE SUCH THAT LATER REMOVAL IS POSSIBLE.
5. ALL BENDS WHERE FITTINGS ARE USED, BOTH HORIZONTAL OR VERTICAL SHALL BE BACKED.
6. REACTION BACKING TABLE IS BASED ON 100 P.S.I. AND SOIL BEARING PRESSURE OF 2000 LB./SQ.FT. ADDITIONAL BACKING MAY BE REQUIRED IN SOME AREAS AS DIRECTED BY ENGINEERS.
7. ALL CONCRETE SHALL BE 2500 P.S.I.
8. 18" AND LARGER REQUIRES SPECIFIC ANTI-THRUST DESIGN.

VERTICAL THRUST BLOCKING

N.T.S.

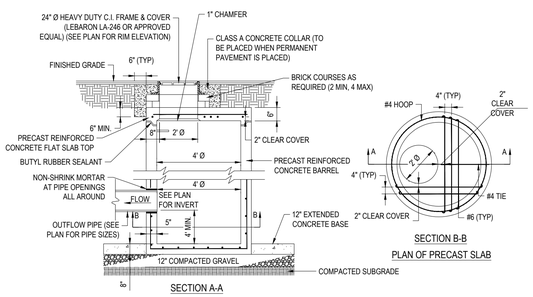


NOTES
1. PROVIDE CLEANOUTS TO FINISHED GRADE AT ALL UPGRADIENT ENDS AND AT INTERVALS OF NO MORE THAN 200 FEET
2. MINIMUM SLOPE SHALL BE 0.005, TO DRAIN TO DAYLIGHT.
3. SUBDRAIN TO BE INSTALLED IN ALL LOCATIONS WHERE THE FINISH GRADE OF THE PROPOSED ROADWAY IS LESS THAN 4 FEET ABOVE THE WATER TABLE.

NOTE:
ALL PROPOSED STRUCTURES THAT FALL WITHIN THE EXISTING ELECTRIC EASEMENTS SHALL BE AASHTO HS-25 RATED.

TYPICAL SUBDRAIN DETAIL

N.T.S.



NOTE:
ALL PROPOSED STRUCTURES THAT FALL WITHIN THE EXISTING ELECTRIC EASEMENTS SHALL BE AASHTO HS-25 RATED.

NOTES:

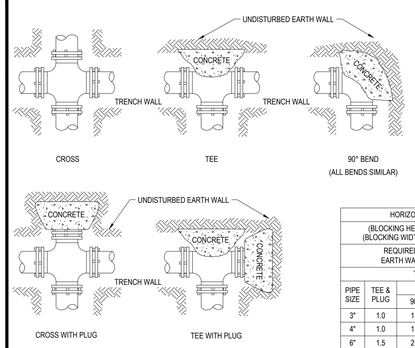
1. ALL DRAIN PIPE CONNECTIONS TO STRUCTURES LOCATED IN GROUNDWATER SHALL HAVE FLEXIBLE RUBBER BOOTS AND BE WATERTIGHT.

2. USE VERTICAL GRANITE CURB INLETS AT ALL CATCH BASIN LOCATIONS.

3. CATCH BASIN GRATES SHALL BE INSCRIBED WITH "DO NOT DUMP - DRAINS TO WATERWAYS", OR APPROVED EQUAL.

PRECAST FLAT SLAB TOP FOR CATCH BASIN

N.T.S.

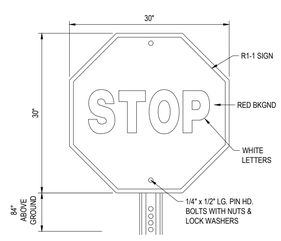


HORIZONTAL THRUST BLOCKING (BLOCKING HEIGHT GREATER THAN PIPE O.D.) (BLOCKING WIDTH BETWEEN 1 & 2 TIMES HEIGHT) REQUIRED SQ. FT. OF UNDISTURBED EARTH WALL FOR REACTION BACKING					
TYPE OF FITTINGS					
PIPE SIZE	TEE & PLUG	BENDS			
		90°	45°	22 1/2°	11 1/4°
3"	1.0	1.0	1.0	1.0	1.0
4"	1.0	1.0	1.0	1.0	1.0
6"	1.5	2.0	1.0	1.0	1.0
8"	2.5	3.5	1.8	1.0	1.0
10"	4.0	5.5	2.8	1.5	1.0
12"	6.0	8.0	4.0	2.0	1.5

NOTE:
1. DO NOT COVER BELLS OR FLANGES WITH CONCRETE
2. WRAP ALL FITTINGS WITH VISQUEEN.
3. BACK ALL TEES ACCORDING TO SIZE OF BRANCH.
4. BACKING FUTURE LINE EXTENSIONS SHALL BE SUCH THAT LATER REMOVAL IS POSSIBLE.
5. ALL BENDS WHERE FITTINGS ARE USED, BOTH HORIZONTAL OR VERTICAL SHALL BE BACKED.
6. REACTION BACKING TABLE IS BASED ON 100 P.S.I. AND SOIL BEARING PRESSURE OF 2000 lb./sq.ft. ADDITIONAL BACKING MAY BE REQUIRED IN SOME AREAS AS DIRECTED BY ENGINEERS.
7. ALL CONCRETE SHALL BE 2500 P.S.I.
8. 18" AND LARGER REQUIRES SPECIFIC ANTI-THRUST DESIGN.

HORIZONTAL THRUST BLOCKING

N.T.S.



STOP SIGN DETAIL

N.T.S.

CERTIFICATE OF NO APPEAL

THIS IS TO CERTIFY THAT NOTICE FROM THE PLANNING BOARD OF APPROVAL OF THIS PLAN WAS RECEIVED BY ME ON _____ AND NO NOTICE OF APPEAL FROM SUCH APPROVAL WAS RECEIVED BY ME DURING THE TWENTY (20) DAYS NEXT AFTER RECEIPT AND RECORDING OF THE NOTICE OF APPROVAL.

_____ DATE

_____ TOWN CLERK SUTTON, MASSACHUSETTS

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

_____ CHAIRMAN

_____

_____

_____

_____

_____

_____ DATE

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REVISIONS

REV	DATE	COMMENT	DRAWN BY / CHECKED BY
1	12/16/2021	PEER REVIEW COMMENTS	AJS / JK / KC

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DEFINITIVE PLAN

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: W211141
DRAWN BY: AJS
CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.: W211141-CVL-1_DET_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED² GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

BOHLER
352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
www.BohlerEngineering.com

JOHN KUCICH CIVIL No. 41580 REGISTERED PROFESSIONAL ENGINEER MASSACHUSETTS · NEW HAMPSHIRE · NEW YORK · CONNECTICUT · RHODE ISLAND LICENSE No. 20116 LICENSE No. 22553

SHEET TITLE:

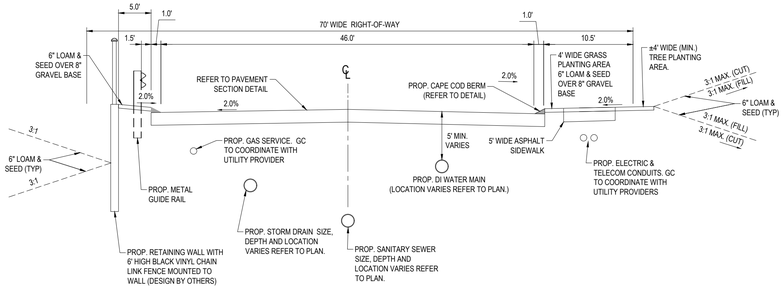
DETAIL SHEET

SHEET NUMBER:

C-902

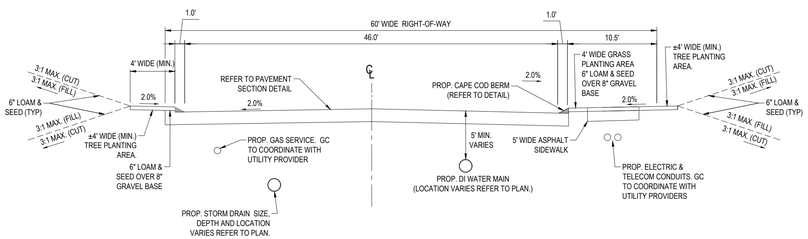
REVISION 1 - 12/16/2021

P:\2\W211141\DRAWINGS\PLAN SETS\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_DET_DEFINITIVE SUB ---3LAYOUT: C-902-DETAILS
AS



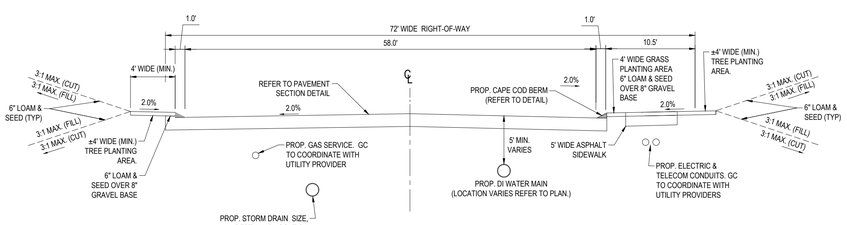
TYPICAL ROADWAY CROSS SECTION A-A

N.T.S.



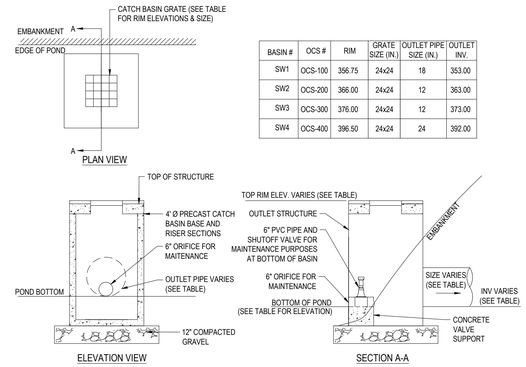
TYPICAL ROADWAY CROSS SECTION B-B

N.T.S.



TYPICAL ROADWAY CROSS SECTION C-C

N.T.S.

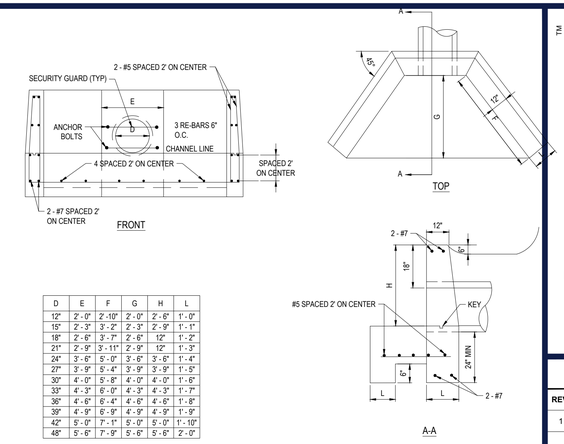


BASIN #	OCS #	RIM	GRATE SIZE (IN.)	OUTLET PIPE SIZE (IN.)	OUTLET INV.
SW1	OCS-100	356.75	24x24	18	353.00
SW2	OCS-200	366.00	24x24	12	363.00
SW3	OCS-300	376.00	24x24	12	373.00
SW4	OCS-400	396.50	24x24	24	392.00

NOTES:
1. CONTRACTOR SHALL SIZE STRUCTURE AS NECESSARY TO ACCOMMODATE THE PROPOSED PIPE SIZES AND PENETRATIONS USING GEOMETRY SHOWN ON THE GRADING AND DRAINAGE PLANS AS WELL AS INFORMATION PROVIDED IN THIS DETAIL
2. STRUCTURES SHALL BE SUITABLE FOR H20 LOADING.

TYPICAL OUTLET CONTROL STRUCTURE DETAIL

N.T.S.

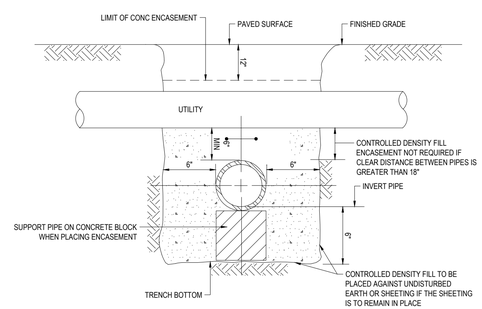


D	E	F	G	H	L
12"	2' - 0"	2' -10"	2' - 0"	2' - 6"	1' - 0"
15"	2' - 3"	3' - 2"	2' - 3"	2' - 9"	1' - 1"
18"	2' - 6"	3' - 7"	2' - 6"	12"	1' - 2"
21"	2' - 9"	3' - 11"	2' - 9"	12"	1' - 3"
24"	3' - 6"	5' - 0"	3' - 6"	3' - 6"	1' - 4"
27"	3' - 9"	5' - 4"	3' - 9"	3' - 9"	1' - 5"
30"	4' - 0"	5' - 8"	4' - 0"	4' - 0"	1' - 6"
33"	4' - 3"	6' - 0"	4' - 3"	4' - 3"	1' - 7"
36"	4' - 6"	6' - 4"	4' - 6"	4' - 6"	1' - 8"
39"	4' - 9"	6' - 9"	4' - 9"	4' - 9"	1' - 9"
42"	5' - 0"	7' - 1"	5' - 0"	5' - 0"	1' - 10"
48"	5' - 6"	7' - 9"	5' - 6"	5' - 6"	2' - 0"

NOTE: ALL CONCRETE TO BE CLASS "B" CONCRETE AIR ENTRAINED 3500 psi MIN. ALL REINFORCED SHALL HAVE 2 INCHES OF COVER TO FACE OF WALL. AS DIRECTED BY THE TOWN ENGINEER

TYPICAL HEADWALL DETAIL

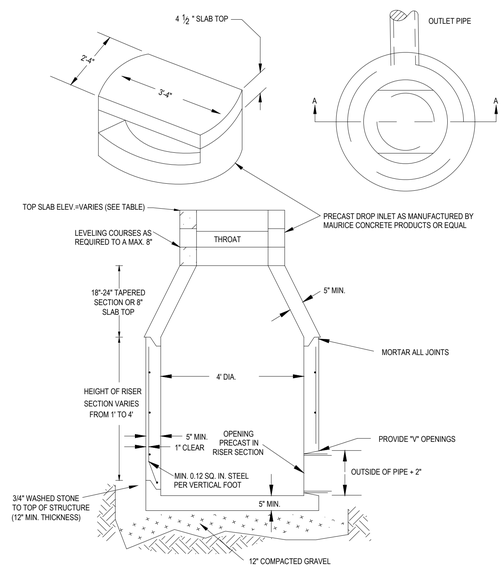
N.T.S.



NOTES:
1. PIPE MUST BE BRACED VERTICALLY & HORIZONTALLY TO PREVENT FLOATATION DURING PLACEMENT OF CONCRETE
2. ALL CONTROLLED DENSITY FILL ENCASEMENT SHALL BE KEPT 12" BELOW THE BOTTOM OF ASPHALT PAVEMENT

CONCRETE ENCASEMENT AT UTILITY CROSSING

N.T.S.

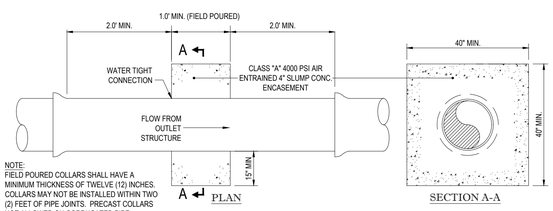


SECTION A-A

NOTES: CONTRACTOR SHALL SIZE STRUCTURE AS NECESSARY TO ACCOMMODATE THE PROPOSED PIPE SIZES AND PENETRATIONS USING GEOMETRY SHOWN ON THE GRADING AND DRAINAGE PLANS AS WELL AS INFORMATION PROVIDED IN THIS DETAIL

TYPICAL DROP INLET DETAIL

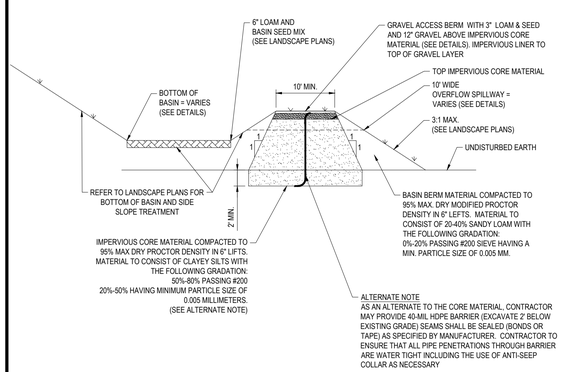
N.T.S.



NOTE:
FIELD POURED COLLARS SHALL HAVE A MINIMUM THICKNESS OF TWELVE (12) INCHES. COLLARS MAY NOT BE INSTALLED WITHIN TWO (2) FEET OF PIPE JOINTS. PRECAST COLLARS NOT ALLOWED ON CORRUGATED PIPE.

ANTI-SEEP COLLAR DETAIL

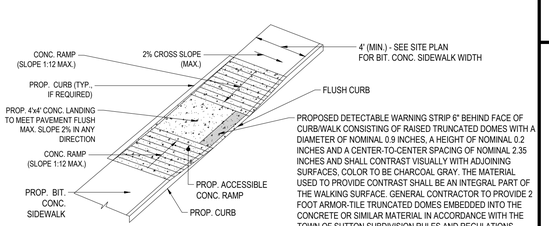
N.T.S.



NOTE: FOUNDATION FOR BERM CONSTRUCTION SHALL BE CLEARED OF ALL TOP SOIL, ROCKS, STUMPS, OR OTHER DELETERIOUS MATERIAL TO A FIRM SURFACE.

BASIN IMPERVIOUS CORE DETAIL

N.T.S.



PROPOSED DETECTABLE WARNING STRIP 6" BEHIND FACE OF CURB/WALK CONSISTING OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCHES, A HEIGHT OF NOMINAL 0.2 INCHES AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCHES AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, COLOR TO BE CHARCOAL GRAY. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. GENERAL CONTRACTOR TO PROVIDE 2 FOOT ARMOR-TILE TRUNCATED DOMES EMBEDDED INTO THE CONCRETE OR SIMILAR MATERIAL IN ACCORDANCE WITH THE TOWN OF SUTTON SUBDIVISION RULES AND REGULATIONS.

ACCESSIBLE RAMP

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APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

TOWN OF SUTTON PLANNING BOARD

_____ CHAIRMAN

_____

_____

_____

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CHECKED BY: KC / JAK
DATE: 11/10/2021
CAD I.D.: W211141-CVL-1_DET_DEFINITIVE SUB

PROJECT:

DEFINITIVE SUBDIVISION PLANS

FOR

UNIFIED2 GLOBAL PACKAGING GROUP

UNIFIED PARKWAY

PROVIDENCE ROAD (ROUTE 122A) TO BOSTON ROAD, TOWN OF SUTTON, WORCESTER COUNTY, MASSACHUSETTS

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J. ALEXANDER KUCICH JOHN ALEXANDER KUCICH No. 41530 PROFESSIONAL ENGINEER REGISTERED NEW HAMPSHIRE LICENSE No. 16929 CONNECTICUT LICENSE No. 28127 RHODE ISLAND LICENSE No. 9618 MAINE LICENSE No. 12503

SHEET TITLE:

DETAIL SHEET

SHEET NUMBER:

C-903

REVISION 1 - 12/16/2021

P:\211\W211141\DRAWINGS\PLAN SET\07-DEFINITIVE SUBDIVISION PLAN\W211141-CVL-1_DET_DEFINITIVE SUB----LAYOUT: C-903-DETAILS
AJS