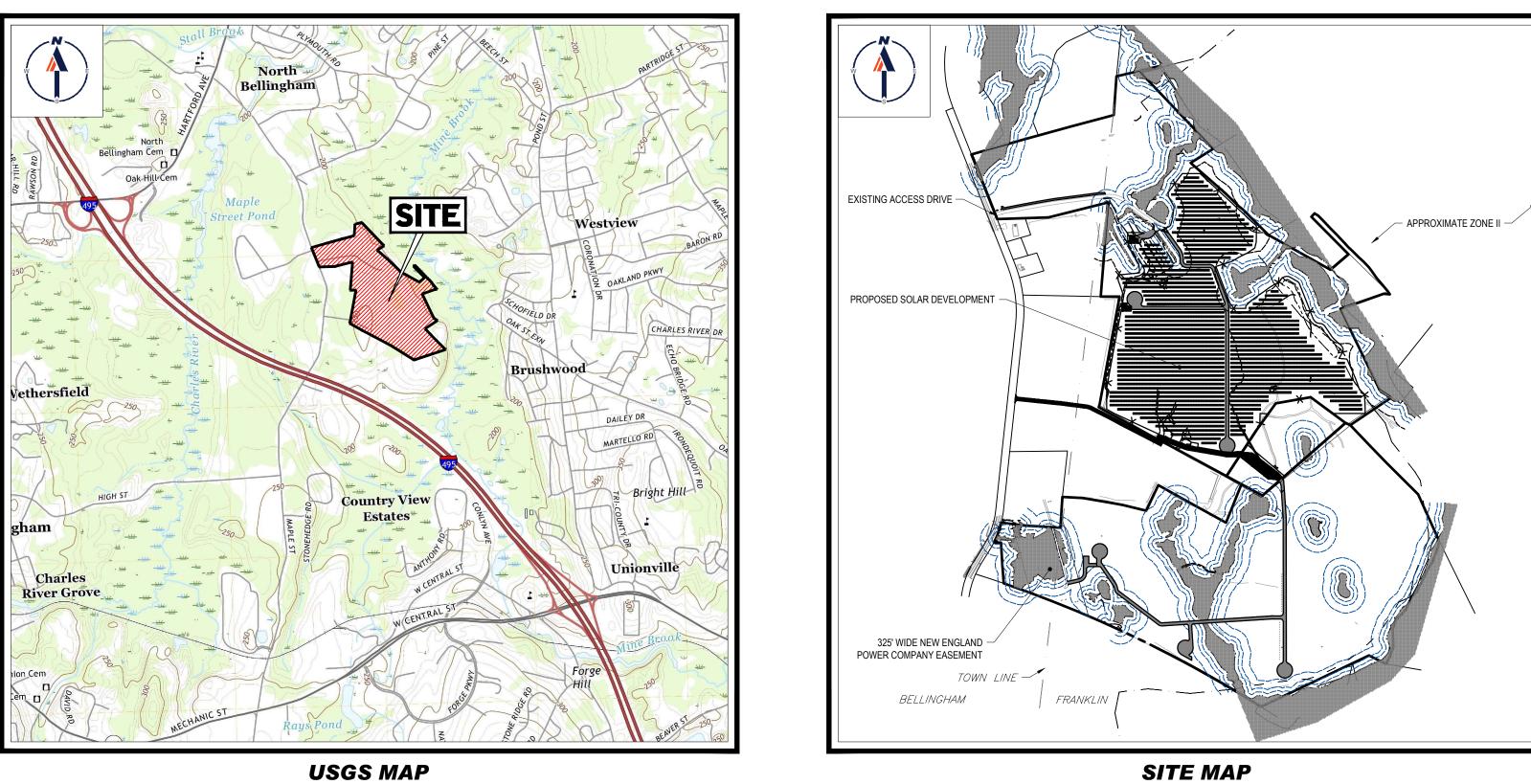
# **PROPOSED SITE PLAN** DOCUMENTS

LOCATION OF SITE: 160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN NORFOLK COUNTY, MASSACHUSETTS LOTS INCLUDED (PARCEL #): 239-009, F 239-010, G 239-010, H 239-010, I 239-010, 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010, & 26-0009 (BELLINGHAM)



USGS MAP SCALE: 1" = 2,000' SOURCE: FRANKLIN MASSACHUSETTS USGS QUADRANGLE

– FOR –––––

## **NEXTGRID MESCALBEAN LLC**

## PROPOSED **SOLAR FARM**



**PREPARED BY** 

SCALE: 1" = 600' SOURCE: GOOGLE AERIAL

#### REFERENCES

EXISTING CONDITIONS SURVEY: FELDMAN GEOSPATIAL 152 HAMPDEN STREET, BOSTON, MA 01608 DATE: 05/09/2022

ANR SURVEY: FELDMAN GEOSPATIAL 152 HAMPDEN STREET, BOSTON, MA 01608

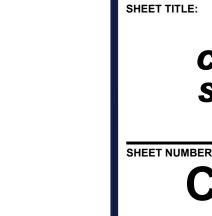
DATE: 08/05/2022

\* THE ABOVE REFERENCED DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THESE PLANS, HOWEVER, BOHLER ENGINEERING DOES NOT CERTIFY THE ACCURACY OF THE WORK REFERENCED OR DERIVED FROM THESE DOCUMENTS, BY OTHERS.

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REVISIONSREVDATECOMMENTDRAWN BY CHECKED BY106/07/2023PLANNING BOARD COMMENTSOCR207/10/2023PLANNING BOARD COMMENTSOCR37/19/2023PER SURVEY UPDATESAP48/01/2023PARCEL AREA REFERENCESAP59/12/2023PER CONS COM CONDITIONSJDL00000000000000000000000000000000000
Know what's below. Call before you dig. ALWAYS CALL 811 It's fast. It's free. It's the law. FOR EXHIBIT PURPOSES ONLY
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.: W201257 DRAWN BY: EVD / CMC / OCR CHECKED BY: GD DATE: 04/13/2023 CAD I.D.: W201257-SPPD-5B PROJECT: PROPOSED SITE PLAN DOCUMENTS
NEXTGRID MESCALBEAN LLC PROPOSED SOLAR FARM
LOTS INCLUDED (PARCEL #):239-009, F 239-010, G 239-010, H 239-010, I 239-010, 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010, 26-0009 160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS
239-010, G 239-010, H 239-010, I 239-010, 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010, 26-0009 160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN,

DRAWING	SHEET	INDEX

SHEET TITLE	SHEET NUMBER
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GENERAL NOTES SHEET	C-102
OVERALL DEMOLITION PLAN	C-201
DEMOLITION PLAN (A-F)	C-202 - C-207
OVERALL SITE LAYOUT PLAN	C-301
SITE LAYOUT PLAN (A - F)	C-302 - C-307
OVERALL GRADING PLAN	C-401
GRADING PLAN (A - F)	C-402 - C-407
OVERALL EROSION & SEDIMENT CONTROL PLAN	C-601
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FIRE TRUCK CIRCULATION PLAN	1 OF 1
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SHEET

**C-101** 

**REVISION 5 - 9/12/2023** 

### **GENERAL NOTES**

1.	THESE PLANS ARE SOLELY BASED ON INFORMATION THE OWNER AND OTHERS PROVIDED TO BOHLER ENGINEERING, (HEREIN "BOHLER") PRIOR TO THE DATE ON WHICH THE ENGINEER OF RECORD AND BOHLER PREPARED THESE PLANS. THE CONTRACTOR MUST FIELD VERIFY ALL EXISTING CONDITIONS AND IMMEDIATELY NOTIFY BOHLER, IN WRITING, IF ANY ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THESE PLANS, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES.	1.
	ANT OTHER SITE FEATURES.	2.

- THE CONTRACTOR MUST STRICTLY COMPLY WITH THESE NOTES AND ALL SPECIFICATIONS/REPORTS CONTAINED HEREIN. THE CONTRACTOR MUST ENSURE THAT ALL SUBCONTRACTORS FULLY AND COMPLETELY CONFORM TO AND COMPLY WITH THESE REQUIREMENTS, THESE NOTES, AND THE REQUIREMENTS ARTICULATED IN THE NOTES CONTAINED IN ALL THE OTHER DRAWINGS THAT COMPRISE THE PLAN SET OF DRAWINGS. ADDITIONAL NOTES AND SPECIFIC PLAN NOTES MAY BE FOUND ON THE INDIVIDUAL PLANS. THESE GENERAL NOTES APPLY TO THIS ENTIRE DOCUMENT PACKAGE. 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 THE PROJECT WORK SCOPE, PRIOR TO THE INITIATION AND COMMENCEMENT OF CONSTRUCTION.
- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR MUST CONFIRM WITH THE ENGINEER OF RECORD AND BOHLER THAT THE LATEST EDITION OF THE DOCUMENTS AND/OR REPORTS REFERENCED WITHIN THE PLAN REFERENCES ARE BEING USED FOR CONSTRUCTION. THIS IS THE CONTRACTOR'S SOLE AND COMPLETE RESPONSIBILITY.
- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR MUST ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO 4.2. CONSTRUCTION OR FABRICATION IS TO BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED THE CONDITIONS OF APPROVAL TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORITIES AND HAS ALSO CONFIRMED THAT ALL NECESSARY AND REQUIRED PERMITS HAVE BEEN OBTAINED. THE CONTRACTOR MUST HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES.
- THE CONTRACTOR MUST ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS/REPORTS 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, AND ALL PROVISIONS IN AND CONDITIONS OF THE CONSTRUCTION CONTRACT WITH THE OWNER/DEVELOPER INCLUDING ALL EXHIBITS, ATTACHMENTS AND ADDENDA TO SAME. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR MUST COORDINATE THE BUILDING LAYOUT BY CAREFULLY REVIEWING THE MOST
- CURRENT ARCHITECTURAL, CIVIL AND STRUCTURAL CONSTRUCTION DOCUMENTS (INCLUDING, BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL, PLUMBING AND 6 FIRE SUPPRESSION PLANS. WHERE APPLICABLE). THE CONTRACTOR MUST IMMEDIATELY NOTIFY OWNER, ARCHITECT AND ENGINEER OF RECORD AND BOHLER, IN WRITING. OF ANY CONFLICTS. DISCREPANCIES OR AMBIGUITIES WHICH EXIST BETWEEN THESE PLANS AND ANY OTHER PLANS THAT COMPRISE THE CONSTRUCTION DOCUMENTS.
- CONTRACTOR MUST REFER TO AND ENSURE COMPLIANCE WITH THE APPROVED ARCHITECTURAL/BUILDING PLANS OF RECORD FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY LOCATION
- THE CONTRACTOR MUST FIELD VERIEVAL DIMENSIONS AND MEASUREMENTS SHOWN ON THESE PLANS. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR MUST IMMEDIATELY NOTIFY ENGINEER OF RECORD AND BOHLER, 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 RE-DONE OR REPAIRED DUE TO DIMENSIONS, MEASUREMENTS OR GRADES SHOWN INCORRECTLY ON THESE PLANS PRIOR TO BOTH (A) THE CONTRACTOR GIVING ENGINEER OF RECORD AND BOHLER WRITTEN NOTIFICATION OF SAME AND (B) ENGINEER OF RECORD AND BOHLER. THEREAFTER, PROVIDING THE CONTRACTOR WITH WRITTEN AUTHORIZATION TO PROCEED WITH SUCH ADDITIONAL WORK.
- THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND MEASUREMENTS INCLUDED ON DESIGN DOCUMENTS HEREIN AND MUST NOT SCALE OFF THE DRAWINGS DUE TO POTENTIAL PRINTING INACCURACIES. ALL DIMENSIONS AND MEASUREMENTS ARE TO BE CHECKED AND CONFIRMED BY THE GENERAL CONTRACTOR PRIOR TO PREPARATION OF SHOP DRAWINGS, FABRICATION/ORDERING OF PARTS AND MATERIALS AND COMMENCEMENT OF SITE WORK. SITE PLAN DRAWINGS ARE NOT INTENDED AS SURVEY DOCUMENTS. DIMENSIONS SUPERSEDE GRAPHICAL REPRESENTATIONS. THE CONTRACTOR MUST MAKE CONTRACTOR'S OWN MEASUREMENTS FOR LAYOUT OF IMPROVEMENTS.
- THE OWNER AND CONTRACTOR MUST BE FAMILIAR WITH AND RESPONSIBLE FOR THE PROCUREMENT OF ANY AND ALL CERTIFICATIONS REQUIRED FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

PROMPTLY PROVIDED TO THE OWNER UPON REQUEST.

- WHEN INCLUDED AS ONE OF THE REFERENCED DOCUMENTS, THE GEOTECHNICAL REPORT, SPECIFICATIONS AND RECOMMENDATIONS SET FORTH THEREIN 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: (A) THE PLANS: AND (B) THE GEOTECHNICAL REPORT AND RECOMMENDATIONS. MUST TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR MUST NOTIFY THE ENGINEER OF RECORD AND BOHLER, IN WRITING, OF ANY SUCH CONFLICT, DISCREPANCY OR AMBIGUITY BETWEEN THE GEOTECHNICAL REPORT AND PLANS AND SPECIFICATIONS, PRIOR TO PROCEEDING WITH ANY FURTHER WORK. IF A GEOTECHNICAL REPORT WAS NOT CREATED, THEN THE CONTRACTOR MUST FOLLOW AND COMPLY WITH ALL OF THE REQUIREMENTS OF ANY AND ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE SPECIFICATIONS WHICH HAVE JURISDICTION OVER THIS PROJECT.
- ENGINEER OF RECORD AND BOHLER ARE NEITHER LIABLE NOR RESPONSIBLE FOR ANY SUBSURFACE CONDITIONS AND FURTHER. HAS NO LIABILITY FOR ANY HAZARDOUS MATERIALS, HAZARDOUS SUBSTANCES, OR POLLUTANTS ON, ABOUT OR UNDER THE PROPERTY THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING WHEN AND WHERE 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. ALL OF THIS WORK IS TO BE PERFORMED AT CONTRACTOR'S SOLE COST AND EXPENSE THE CONTRACTOR MUST EXERCISE EXTREME CAUTION 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. THE 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. DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION AND CONSTRUCTION WASTES, UNSUITABLE EXCAVATED MATERIAL, EXCESS SOIL AND DEBRIS (SOLID WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH THE REQUIREMENTS OF ANY AND ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS
- AND APPLICABLE CODES WHICH HAVE JURISDICTION OVER THIS PROJECT OR OVER THE CONTRACTOR. 3. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN RECORDS TO DEMONSTRATE PROPER AND FULLY COMPLIANT DISPOSAL ACTIVITIES, TO BE
- THE CONTRACTOR MUST REPAIR, AT CONTRACTOR'S SOLE COST, ALL 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 MUST 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 CONDITIONS PRIOR TO COMMENCEMENT OF THE ONSTRUCTION, AND IN CONFORMANCE WITH APPLICABLE CODES, LAWS, RULES, REGULATIONS, STATUTORY REQUIREMENTS AND STATUTES. THE CONTRACTOR MUST BEAR ALL COSTS ASSOCIATED WITH SAME. THE CONTRACTOR MUST, PROMPTLY, DOCUMENT ALL EXISTING DAMAGE AND NOTIFY, IN WRITING, THE OWNER AND THE CONSTRUCTION MANAGER PRIOR TO THE START OF CONSTRUCTION.
- THE ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR AND HAVE NO CONTRACTUAL LEGAL OR OTHER RESPONSIBILITIES FOR JOB SITE SAFETY IOR SITE SUPERVISION OR ANYTHING RELATED TO SAME. THE ENGINEER OF RECORD AND BOHLER HAVE NOT BEEN RETAINED TO PERFORM OR TO BE RESPONSIBLE FOR JOB SITE SAFETY, SAME BEING WHOLLY OUTSIDE OF ENGINEER OF RECORD'S AND BOHLER SERVICES AS RELATED TO THE PROJECT. THE ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE TO IDENTIFY OR REPORT ANY JOB SITE SAFETY ISSUES OR ANY JOB SITE CONDITIONS, AT ANY TIME. THE CONTRACTOR MUST IMMEDIATELY IDENTIFY IN WRITING, TO THE ENGINEER OF RECORD AND BOHLER , ANY DISCREPANCIES THAT MAY OR COULD AFFECT
- THE PUBLIC SAFETY, HEALTH OR GENERAL WELFARE, OR PROJECT COST. IF THE CONTRACTOR PROCEEDS WITH CONSTRUCTION WITHOUT PROVIDING PROPER WRITTEN NOTIFICATION AS DESCRIBED ABOVE, IT WILL BE AT THE CONTRACTOR'S OWN RISK AND, FURTHER, THE CONTRACTOR MUST INDEMNIFY, DEFEND AND HOLD HARMLESS THE ENGINEER OF RECORD AND BOHLER FOR ANY AND ALL DAMAGES, COSTS, INJURIES, ATTORNEY'S FEES AND THE LIKE WHICH RESULT FROM OR ARE IN ANY WAY RELATED TO SAME INCLUDING, BUT NOT LIMITED TO, ANY THIRD PARTY AND FIRST PARTY CLAIMS.
- THE ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR ANY INJURY OR DAMAGES RESULTING FROM THE CONTRACTOR'S FAILURE TO BUILD OR WNER FAIL TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH APPROVED PLANS, RULES, STATUTES, CODES AND THE LIKE, THE CONTRACTOR AND/OR OWNER AGREE TO AND MUST JOINTLY, INDEPENDENTLY, SEPARATELY, AND SEVERALLY INDEMNIFY AND HOLD THE ENGINEER OF RECORD AND BOHLER HARMLESS FOR AND FROM ALL INJURIES, CLAIMS AND DAMAGES THAT ENGINEER AND BOHLER SUFFER AND ANY AND ALL COSTS THAT ENGINEER AND BOHLER INCUR AS RELATED TO SAME
- ALL CONTRACTORS MUST CARRY AT LEAST THE MINIMUM AMOUNT OF THE SPECIFIED AND COMMERCIALLY REASONABLE STATUTORY WORKER'S COMPENSATION INSURANCE. EMPLOYER'S LIABILITY INSURANCE AND COMMERCIAL GENERAL LIABILITY INSURANCE (CGL) INCLUDING ALSO ALL UMBRELLA COVERAGES. ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME BOHLER, 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 INSUREDS AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INSURE (DEFEND, IF APPLICABLE) AND HOLD HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED AND AGREED TO BY THE CONTRACTOR HEREIN. ALL CONTRACTORS MUST FURNISH BOHLER WITH CERTIFICATIONS OF INSURANCE OR CERTIFICATES OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE COVERAGES PRIOR TO COMMENCING ANY WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION AND FOR TWO YEARS AFTER THE COMPLETION OF CONSTRUCTION AND AFTER ALL PERMITS ARE ISSUED, WHICHEVER DATE IS LATER. IN ADDITION, ALL CONTRACTORS AGREE THAT THEY WILL, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, INDEMNIFY, DEFEND AND HOLD HARMLESS BOHLER 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 THI

PROJECT. INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTOR(S) ALL CLAIMS BY THIRD PARTIES AND ALL CLAIMS RELATED TO THE PROJECT. THE

CONTRACTOR MUST NOTIFY ENGINEER. IN WRITING. AT LEAST THIRTY (30) DAYS PRIOR TO ANY TERMINATION. SUSPENSION OR CHANGE OF ITS INSURANCE

- THE ENGINEER OF RECORD AND BOHLER ARE 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 IN SCOPE AND REVISIONS THAT RESULT FROM SAME. THE CONTRACTOR IS FULLY AND SOLELY RESPONSIBLE FOR DETERMINING THE MEANS AND METHODS FOR COMPLETION OF THE WORK, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. . NEITHER THE PROFESSIONAL ACTIVITIES OF BOHLER, NOR THE PRESENCE OF BOHLER AND/OR ITS PAST, PRESENT AND FUTURE OWNERS, OFFICERS,
- DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED 25. WHERE THE LIMIT OF WORK COINCIDES WITH PROPERTY LINE, TREE LIN ENTITIES AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AT A CONSTRUCTION/PROJECT SITE (HEREIN "BOHLER PARTIES") RELIEVES OR WILL RELIEVE THE CONTRACTOR OF AND FROM 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 ALL HEALTH AND SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES WITH JURISDICTION OVER THE PROJECT AND/OR PROPERTY, BOHLER PARTIES HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER (OR ANY RESPONSIBILITY FOR) ANY CONSTRUCTION, THE CONTRACTOR OR ITS EMPLOYEES RELATING TO THEIR WORK AND ANY AND ALL HEALTH AND SAFETY PROGRAMS OR PROCEDURES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY. THE CONTRACTOR MUST INDEMNIFY, DEFEND, PROTECT AND HOLD HARMLESS BOHLER PARTIES FOR AND FROM ANY LIABILITY TO BOHLER PARTIES RESULTING FROM THE CONTRACTOR'S WORK, SERVICES AND/OR VIOLATIONS OF THIS NOTE, THESE NOTES OR ANY NOTES IN THE PLAN SET AND, FURTHER, THE CONTRACTOR MUST NAME BOHLER AS AN ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE AS DESCRIBED ABOVE.
- WHEN IT IS CLEARLY AND SPECIFICALLY WITHIN BOHLER'S SCOPE OF SERVICES CONTRACT WITH THE OWNER/DEVELOPER. BOHLER 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 EVALUATING CONFORMANCE WITH THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONSTRUCTION MEANS AND 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. BOHLER WILL PERFORM ITS SHOP DRAWING REVIEW WITH REASONABLE PROMPTNESS, AS CONDITIONS PERMIT. ANY DOCUMENT, DOCUMENTING BOHLER'S REVIEW OF A SPECIFIC ITEM OR LIMITED SCOPE, MUST NOT INDICATE THAT BOHLER HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT, BOHLER IS NOT RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR MUST, IN WRITING, PROMPTLY AND IMMEDIATELY BRING ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS TO BOHLER'S ATTENTION. BOHLER IS NOT REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.
- IF THE CONTRACTOR DEVIATES FROM THESE PLANS AND/OR SPECIFICATIONS, INCLUDING THE NOTES CONTAINED HEREIN, WITHOUT FIRST OBTAINING THE PRIOR WRITTEN AUTHORIZATION OF THE ENGINEER OF RECORD AND BOHLER FOR ALL DEVIATIONS WITHIN ENGINEER'S SCOPE, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCURRED IN CORRECTING ANY WORK PERFORMED WHICH DEVIATES FROM THE PLANS. ALL FINES AND/OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM AND, FURTHER, MUST DEFEND. INDEMNIFY, PROTECT, AND HOLD HARMLESS THE ENGINEER OF RECORD AND BOHLER PARTIES TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, FOR AND FROM ALL FEES, ATTORNEYS' FEES, DAMAGES, COSTS, JUDGMENTS, CLAIMS, INJURIES, PENALTIES AND THE LIKE RELATED TO SAMI
- THE CONTRACTOR IS RESPONSIBLE FOR A MAINTAINING AND PROTECTING THE TRAFFIC CONTROL PLAN AND ELEMENTS IN ACCORDANCE WITH FEDERAL, STATE, 3. ALL DIRECTIONAL/TRAFFIC SIGNING AND PAVEMENT STRIPING MUST CO AND LOCAL REQUIREMENTS, FOR ALL WORK THAT AFFECTS PUBLIC TRAVEL EITHER IN THE RIGHT OF WAY OR ON SITE. THE COST FOR THIS ITEM MUST BE INCLUDED IN THE CONTRACTOR'S PRICE AND IS THE CONTRACTOR'S SOLE RESPONSIBILITY. 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, THE ENGINEER OF RECORD AND BOHLER ARE 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 THE ENGINEER OF RECORD AND BOHLER PARTIES, IARMLESS FOR ALL INJURIES, DAMAGES AND COSTS THAT ENGINEER OF RECORD AND BOHLER INCUR AS A RESULT OF SAID FAILURE OR FAILURE TO PRESERVE THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION ACTIVITIES AND MATERIALS COMPLY WITH AND CONFORM TO APPLICABLE 6 WHEN APPLICABLE 6 WHEN APPLICABLE 6 WHEN APPLICABLE FOR ENSURING THAT ALL CONSTRUCTION ACTIVITIES AND MATERIALS COMPLY WITH AND CONFORM TO APPLICABLE 6 WHEN APPLICABLE FOR ENSURING THAT ALL CONSTRUCTION ACTIVITIES AND MATERIALS COMPLY WITH AND CONFORM TO APPLICABLE 6 WHEN APPLICABLE FOR ENSURING THAT ALL CONSTRUCTION ACTIVITIES AND MATERIALS COMPLY WITH AND CONFORM TO APPLICABLE 6 WHEN APPLICABLE FOR ENSURING THAT ALL CONSTRUCTION ACTIVITIES AND MATERIALS COMPLY WITH AND CONFORM TO APPLICABLE 6 WHEN APPLICABLE FOR ENSURING THAT ALL CONSTRUCTION ACTIVITIES AND MATERIALS COMPLY WITH AND CONFORM TO APPLICABLE 6

FEDERAL, STATE AND LOCAL RULES AND REGULATIONS, LAWS, ORDINANCES, AND CODES, AND ALL APPLICABLE REQUIREMENTS OF THE OCCUPATIONAL SAFETY

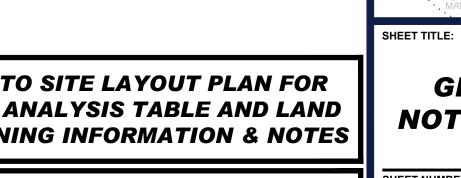
- AND HEALTH ACT OF 1970, (29 U.S.C. 651 ET SEQ.) AS AMENDED, AND ANY MODIFICATIONS, AMENDMENTS OR REVISIONS TO SAME THE CONTRACTOR MUST STRICTLY COMPLY WITH THE LATEST AND CURRENT OSHA STANDARDS AND REGULATIONS, AND/OR ANY OTHER AGENCY WITH SDICTION OVER EXCAVATION AND TRENCHING PROCEDURES. ENGINEER OF RECORD AND BOHLER HAS NO RESPONSIBILITY FOR OR AS RELATED TO EXCAVATION AND TRENCHING PROCEDURES AND WORK.
- THE CONTRACTOR AND THE OWNER MUST INSTALL ALL ELEMENTS AND COMPONENTS IN STRICT COMPLIANCE WITH AND IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDED INSTALLATION CRITERIA AND SPECIFICATIONS. IF THE CONTRACTOR AND/OR OWNER FAIL TO DO SO, THEY AGREE TO JOINTLY INDEPENDENTLY SEPARATELY COLLECTIVELY AND SEVERALLY INDEMNIEY DEFEND PROTECT AND HOLD ENGINEER OF RECORD AND BOHLER PARTIES HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.
- THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN AN ON-SITE STORMWATER POLITION PREVENTION PLAN (SWPPP) IN COMPLIANCE WITH THE ENVIRONMENTAL PROTECTION AGENCY (FPA) REQUIREMENTS OR LOCAL GOVERNING AGENCY FOR SITES WHERE ONE (1) ACRE OR MORE IS DISTURBED BY CONSTRUCTION ACTIVITIES (UNLESS THE LOCAL JURISDICTION REQUIRES A DIFFERENT THRESHOLD). THE CONTRACTOR MUST ENSURE THAT ALL ACTIVITIES, INCLUDING THOSE OF ALL 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 AND FURTHER. THE CONTRACTOR IS SOLELY AND COMPLETELY RESPONSIBLE FOR FAILING
- AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED DOCUMENTS PREPARED BY THE ENGINEER OF RECORD AND BOHLER. THE USE OF THE WORDS 'CERTIEY' OR 'CERTIFICATION' CONSTITUTE(S) AN EXPRESSION ONLY OF PROFESSIONAL OPINION REGARDING THE INFORMATION WHICH IS THE SUBJECT OF THE ENGINEER OF RECORD'S AND BOHLER KNOWLEDGE OR BELIEF AND IN ACCORDANCE WITH COMMON AND ACCEPTED PROCEDURE CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE OF ANY NATURE OR TYPE, EITHER EXPRESSED OR IMPLIED, UNDER ANY CIRCUMSTANCES.

#### **GENERAL DEMOLITION NOTE**

- THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DO ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO T BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL OF THE THE CONTRACTOR MUST CONDUCT DEMOLITION/REMOVALS ACTIVITIES SIDEWALKS, WALKWAYS, AND ALL OTHER ADJACENT FACILITIES. THE ( VERNMENTAL AUTHORITY(IES) PRIOR TO THE COMMENCEMENT OF 3. WHEN DEMOLITION-RELATED ACTIVITIES IMPACT ROADWAYS AND/OR F GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE DEVICES" (MUTCD), AND THE FEDERAL, STATE, AND LOCAL REGULATION THE DEMOLITION (AND/OR REMOVALS) PLAN IS INTENDED TO PROVIDE DEMOLISHED, REMOVED, AND/OR TO REMAIN. 4.1. THE CONTRACTOR MUST ALSO REVIEW ALL CONSTRUCTION DOCU NECESSARY FOR THE CONSTRUCTION OF THE NEW SITE IMPROVE THIS PLAN IS NOT INTENDED TO AND DOES NOT PROVIDE DIRECT BE EMPLOYED TO ACCOMPLISH THE WORK. ALL MEANS, METHODS. ACCORDANCE AND CONFORMANCE WITH ALL STATE FEDERAL LO OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE 5. THE CONTRACTOR MUST PROVIDE ALL "METHODS AND MEANS" NECES AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SIT ALL ITEMS AND FEATURES THAT ARE TO REMAIN. CONTRACTOR MUST RESTORATION OF ALL ITEMS AND FEATURES REPAIRED TO THEIR PRE-CONTRACTOR'S SOLE EXPENSE. ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR JOB A SYSTEMATIC AND SAFE MANNER, COMPLYING WITH ALL OSHA REQUI ON THE SITE OR ADJACENT OR NEAR TO THE SAME. 7. THE CONTRACTOR IS RESPONSIBLE FOR JOB SITE SAFETY. WHICH MUS FENCING, OTHER APPROPRIATE AND/OR NECESSARY SAFETY FEATURE ONSTRUCTION ACTIVITIES. THE CONTRACTOR MUST SAFEGUARD TH THE ENTRY OF ALL UNAUTHORIZED PERSONS AT ANY TIME, TO OR NEA PRIOR TO THE COMMENCEMENT OF ANY SITE ACTIVITY AND ANY DEMO CONCERNING THE ACCURACY OR INTENT OF THESE PLANS AND/OR SP STANDARDS, AND/OR THE SAFETY OF THE CONTRACTOR AND/OR THIRI CONVEYED TO THE ENGINEER OF RECORD AND BOHLER, IN WRITING AND BY BOHLER, IN WRITING. ALL DEMOLITION ACTIVITIES MUST BE PE SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL RE THE CONTRACTOR MUST BECOME FAMILIAR WITH THE APPLICABLE UTII REGARDING UTILITY DEMOLITION AND/OR DISCONNECTION AS IDENTIFIE WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES URISDICTION AND UTILITY COMPANY REQUIREMENTS AND ALL OTHER 10. PRIOR TO COMMENCING ANY DEMOLITION. THE CONTRACTOR MUST 10.1. OBTAIN ALL REQUIRED PERMITS AND MAINTAIN THE SAME ON SITE THROUGHOUT THE DURATION OF THE PROJECT, SITE WORK, AND 10.2. NOTIFY, AT A MINIMUM, THE MUNICIPAL ENGINEER, DESIGN ENGINE TO THE COMMENCEMENT OF WORK. INSTALL THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL M 10.3. STABILIZED 10.4. IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR MUST CALL OF ANY EXCAVATION. 10.5. LOCATE AND PROTECT ALL UTILITIES AND SERVICES, INCLUDING BU CABLE FIBER OPTIC CABLE FTC. WITHIN AND AD IACENT TO THE I REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM PROTECT AND MAINTAIN IN OPERATION, ALL ACTIVE UTILITIES AND 7. ARRANGE FOR AND COORDINATE WITH THE APPLICABLE UTILITY S REQUIRED BY THE PROJECT PLANS AND SPECIFICATIONS REGARD RECORD'S RESPONSIBILITY. IN THE EVENT OF ABANDONMENT, THE WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVIC UTILITY COMPANY REQUIREMENTS 10.8. ARRANGE FOR AND COORDINATE WITH THE APPLICABLE UTILITY S NECESSARY OR AS REQUIRED TO MINIMIZE THE IMPACT ON, OF, AN PERFORMED AT NO ADDITIONAL COST TO THE OWNER. 10.9. IN THE EVENT THE CONTRACTOR DISCOVERS ANY HAZARDOUS MA SPECIFICATIONS OR THE CONTRACT WITH THE OWNER/DEVELOPE AND IMMEDIATELY NOTIFY, IN WRITING AND VERBALLY, THE OWNER PURSUE PROPER AND COMPLIANT REMOVAL OF SAME. THE CONTRACTOR MUST NOT PERFORM ANY EARTH MOVEMENT ACTIV WITHIN THE LIMITS OF DISTURBANCE, UNLESS SAME IS IN STRICT ACCO PURSUANT TO THE WRITTEN DIRECTION OF THE OWNER'S STRUCTURA 12. DEMOLITION ACTIVITIES AND EQUIPMENT MUST NOT USE OR INCLUDE / RMISSION AND AUTHORITY OF AND FROM THE OWNER AND ALL GOV THE CONTRACTOR MUST BACKFILL ALL EXCAVATION RESULTING FROM APPROVED BACKFILL MATERIALS AND MUST BE SUFFICIENTLY COMPAC WITH THE RECOMMENDATIONS AND GUIDANCE ARTICULATED IN THE G ACTIVITIES AND MUST BE PERFORMED SO AS TO PREVENT WATER ENT DRAINAGE. THE CONTRACTOR IS RESPONSIBLE FOR COMPACTION TES THE OWNER 4 EXPLOSIVES MUST NOT BE USED WITHOUT PRIOR WRITTEN CONSEN OVERNMENTAL AUTHORITIES. PRIOR TO COMMENCING ANY EXPLOSIV OVERSEE THE INSTALLATION OF ALL OF THE REQUIRED PERMIT AND EX REQUIRE. THE CONTRACTOR IS ALSO RESPONSIBLE TO CONDUCT AND MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES AND THE LIKE. 15. IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS, T DIRT RISING AND SCATTERING IN THE AIR. AFTER THE DEMOLITION IS ( IMPROVEMENTS TO REMOVE ALL DUST AND DEBRIS WHICH THE DEMO ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION AT CONTRA 16. PAVEMENT MUST BE SAW CUT IN STRAIGHT LINES, ALL DEBRIS FROM R STOCKPILING OF DEBRIS OUTSIDE OF APPROVED AREAS WILL NOT BE I 7. THE CONTRACTOR MUST MAINTAIN A RECORD SET OF PLANS WHICH IN OR RELOCATED DUE TO DEMOLITION ACTIVITIES. THIS RECORD DOCUM THE OWNER/DEVELOPER UPON COMPLETION OF THE WORK, ALL OF WI 18 THE CONTRACTOR MUST EMPTY OF EAN AND REMOVE FROM THE SITE STATE, COUNTY AND LOCAL REQUIREMENTS, PRIOR TO CONTINUING C ARE AT THE CONTRACTOR'S SOLE COST. 19. THE CONTRACTOR MUST LOCATE AND CLEARLY DEFINE VERTICALLY A TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AN 20. CONTRACTOR SHALL FIELD LOCATE EXISTING UTILITIES PRIOR TO CONS AND DEPTH OF UTILITIES. CONTRACTOR SHALL NOTIFY DESIGN ENGINE **IMPROVEMENTS** 21. CONTRACTOR SHALL INSPECT ALL EXISTING UTILITY STRUCTURES THA STRUCTURES CAN NOT BE REUSED THEN THE CONTRACTOR SHALL PRO APPLICABLE UTILITY PROVIDER. 22. CONTRACTOR TO REMOVE ANY BUILDING FOUNDATION REMAINS OR AS WORK SHOWN ON THESE PLANS. 23. THE CONTRACTOR SHALL REVIEW THE PLANS VERSUS THE LOCATION O ACCURACY OF SAME AND VERIEV ITEMS TO BE REMOVED. THE CONTRA APPURTENANCES, AND UNDERGROUND UTILITIES, INCLUDING BUT NOT 24. THE CONTRACTOR SHALL MAINTAIN, ADJUST OR ABANDON EXISTING M CONSULTANT (TYP.) FEATURES FOR GRAPHICAL CLARITY. 26. EXISTING TREES TO REMAIN ARE TO BE PROTECTED DURING CONSTRU BE TAKEN DURING CONSTRUCTION TO PREVENT DAMAGE AND SELECTI DEVELOPMENT 27. CONTRACTOR SHALL REPAIR/REPLACE ANY TRAFFIC LOOP DETECTORS WAYS, ANY SUCH WORK SHALL BE PERFORMED BY A LICENSED / DOT SHALL BE REPAIRED IMMEDIATELY AFTER THE WORK IS COMPLETE. TH F REQUESTED BY DOT AND/OR THE MUNICIPALITY 28. THE CONTRACTOR MUST FIELD VERIFY THE LOCATIONS WHERE PROPO DETERMINE THE EXACT SIZE, DEPTH AND LOCATION, PRIOR TO COMME 29. CONTRACTOR SHALL LOCATE ANY EXISTING UTILITY SERVICES THAT A ARE TO BE TERMINATED IN ACCORDANCE WITH MUNICIPAL / STATE TRA **GENERAL SITE NOTES** THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DO ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO 1 BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL OF THE PRIOR TO THE COMMENCEMENT OF GENERAL CONSTRUCTION, THE CO PREVENTION PLAN (SWPPP) MEASURES NECESSARY, AS INDICATED OF APPLICABLE AND/OR APPROPRIATE AGENCIES' GUIDELINES TO PREVEN RIGHT OF WAY DEVICES (MUTCD) AND ANY APPLICABLE STATE OR LOCALLY APPROVE THE LOCATIONS OF PROPOSED UTILITY POLES AND TRAFFIC SIGNS SHO RESPONSIBLE FOR FIELD-VERIFYING THEIR LOCATION. THE CONTRACT JURISDICTION OVER THE PROJECT ALL DIMENSIONS SHOWN ARE TO BOTTOM FACE OF CURB. EDGE OF PA OUT OF LOCATIONS OF INLETS, LIGHT POLES, ETC, MUST BE PERFORM START OF CONSTRUCTION, LAND DISTURBING ACTIVITIES MUST NOT C
- AUTHORITIES (INCLUDING STORMWATER POLLUTION PREVENTION PLA ONSTRUCTION OPERATIONS (IF PROVIDED). 7. ALL CONCRETE MUST BE AIR ENTRAINED AND INCLUDE THE MINIMUM C UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECH
- 8. THE CONTRACTOR MUST FILE SITE SIGNAGE APPLICATION OR PERMIT PROCEDURES
- THE CONTRACTOR MUST REPAIR OR REPLACE, AT THE CONTRACTOR'S DAMAGED BY CONSTRUCTION ACTIVITIES WHETHER SPECIFIED ON THI
- 10. WORK WITHIN THE RIGHT-OF-WAY MUST BE PERFORMED IN ACCORDAN PUBLIC WORKS, ENGINEERING DEPARTMENT, HIGHWAY DIVISION, AND/ WHERE RETAINING WALLS ARE IDENTIFIED ON THE PLANS, TOP AND BO RATHER THEY ARE AN ASSUMPTION BASED ON WALL TYPE AND WALL
- BE SET/DETERMINED BY THE CONTRACTOR OR WALL DESIGNER, AND M APPROPRIATE PROFESSIONAL LICENSED IN THE STATE WHERE THE C LICENSED PROFESSIONAL DESIGNS ALL WALLS SHOWN HEREON AND
- MODIFICATION LOCATIONS OF BOLLARDS AND BOLLARDS WITH SIGNAGE AS NEEDED TO AVOID CONFLICTS WITH EXISTING UTILITY SERVICES TO REMAIN

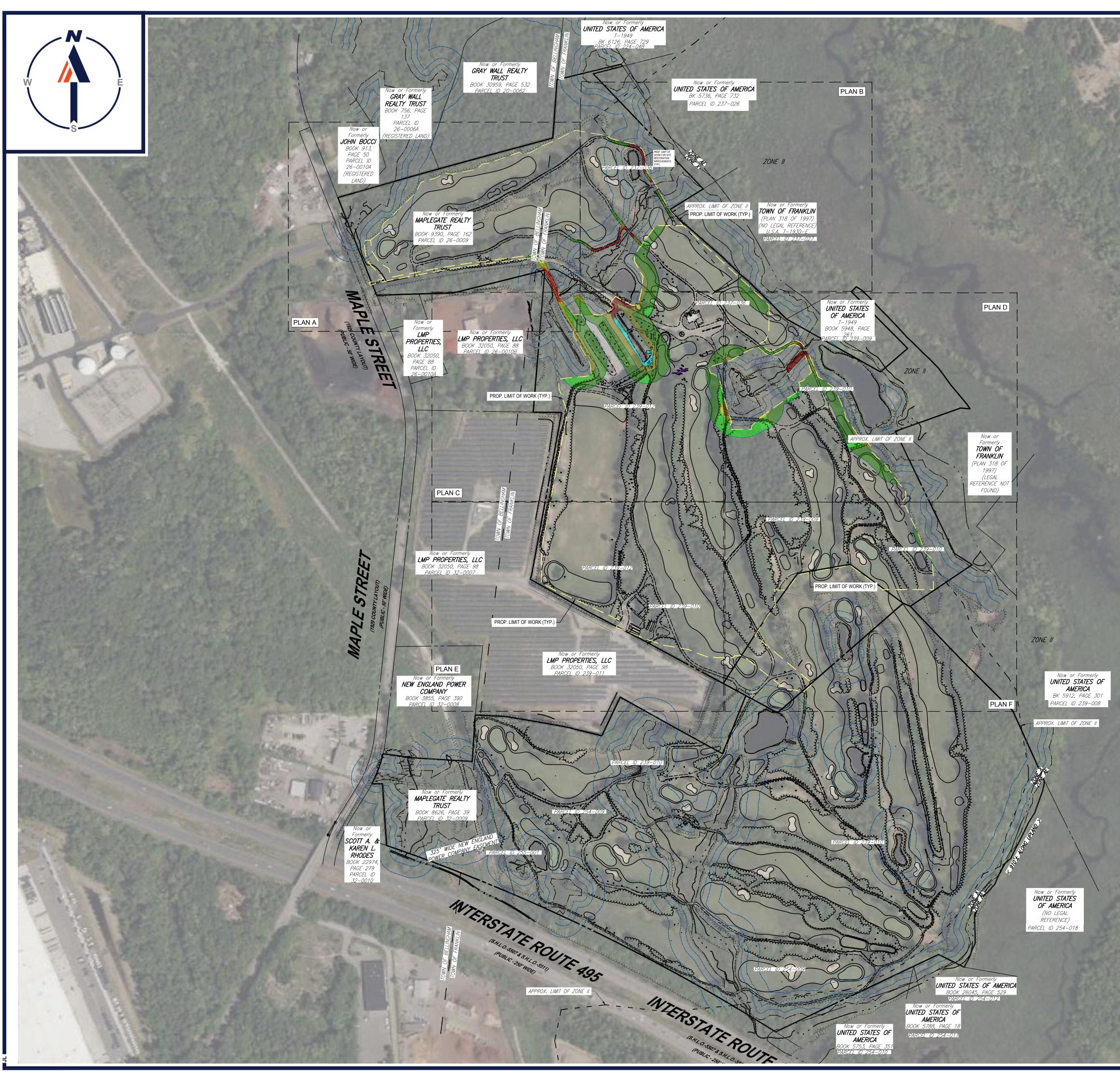
-E C	GENERAL GRADING NOTES			
E DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES	1. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES	ABBREVIATIONS	TYPICAL LINE TYPE LEGEND	
TO THEM AND FULLY COMPLY WITH THESE NOTES, IN THEIR ENTIRETY. THE CONTRACTOR MUST THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES.	ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES, IN THEIR ENTIRETY. THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL OF THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES.	KEY DESCRIPTION	PROPERTY LINE EXISTING PROPOSED	WITHOUT PI
VITIES IN SUCH A MANNER AS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, HE CONTRACTOR MUST OBTAIN ALL APPLICABLE PERMITS FROM THE APPROPRIATE F OF ANY ROAD OPENING OR DEMOLITION ACTIVITIES IN OR ADJACENT TO THE RIGHT-OF-WAY.	2. SITE GRADING MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT AS REFERENCED IN THIS PLAN SET. IF NO GEOTECHNICAL REPORT HAS BEEN REFERENCED, THE CONTRACTOR MUST HAVE A GEOTECHNICAL ENGINEER PROVIDE WRITTEN SPECIFICATIONS AND RECOMMENDATIONS PRIOR TO THE CONTRACTOR COMMENCING THE GRADING WORK. THE CONTRACTOR MUST FOLLOW THE REQUIREMENTS OF ALL MUNICIPAL. COUNTY. STATE, AND FEDERAL LAWS, WHICH HAVE JURISDICTION OVER THIS PROJECT.		ADJACENT PROPERTY EXISTING — — — — — — — — — — — — — — — — — — —	
/OR ROADWAY RIGHT-OF-WAY, THE CONTRACTOR MUST PROVIDE TRAFFIC CONTROL AND THE CURRENT FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL ATIONS.	<ol> <li>THE CONTRACTOR IS REQUIRED TO SECURE ALL NECESSARY AND/OR REQUIRED PERMITS AND APPROVALS FOR ALL OFF-SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. THE CONTRACTOR MUST SUPPLY A COPY OF APPROVALS TO THE ENGINEER OF RECORD AND THE OWNER PRIOR TO THE CONTRACTOR COMMENCING</li> </ol>	BOC BOTTOM OF CURB	RIGHT-OF-WAY LINE     PROPOSED       SETBACK OR BUFFER     EXISTING	
VIDE GENERAL INFORMATION AND TO IDENTIFY ONLY CONDITIONS REGARDING ITEMS TO BE	ANY WORK. 4. THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFYING EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCING ANY CONSTRUCTION. SHOULD DISCREPANCIES BETWEEN THE PLANS AND INFORMATION OBTAINED THROUGH FIELD VERIFICATIONS BE IDENTIFIED OR EXIST, THE	BLDG BUILDING CONC. CONCRETE	EASEMENT LINE PROPOSED	
DOCUMENTS AND INCLUDE WITHIN THE DEMOLITION ACTIVITIES ALL INCIDENTAL WORK ROVEMENTS. ECTION REGARDING THE MEANS, METHODS, SEQUENCING, TECHNIQUES AND PROCEDURES TO	CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING. 5. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING ALL UNSUITABLE MATERIALS WITH SUITABLE MATERIALS AS SPECIFIED IN THE	DEC DECORATIVE  DEGREE  DEP DEPRESSED	WETLAND BOUNDARY EXISTING PROPOSED	
IODS, SEQUENCING, TECHNIQUES AND PROCEDURES TO BE USED MUST BE IN STRICT L, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR MUST COMPLY WITH ALL DVIDE A SAFE WORK SITE FOR THE CONTRACTOR AND THE PUBLIC.	GEOTECHNICAL REPORT. THE CONTRACTOR MUST COMPACT ALL EXCAVATED OR FILLED AREAS IN STRICT ACCORDANCE WITH THE GEOTECHNICAL REPORT'S GUIDANCE. MOISTURE CONTENT AT TIME OF PLACEMENT MUST BE SUBMITTED IN A COMPACTION REPORT PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER, REGISTERED WITH THE STATE WHERE THE WORK IS PERFORMED. THIS REPORT MUST VERIFY THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE	Ø / DIA DIAMETER DMH DRAIN MANHOLE	WETLAND BUFFER EXISTING	
ECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, F SITE. THE CONTRACTOR, AT THE CONTRACTOR'S SOLE COST, MUST REPAIR ALL DAMAGE TO	BUILDING PAD AREA 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 WHICH ARE IN EFFECT AND WHICH ARE APPLICABLE TO THE PROJECT. 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 MUST BE REMOVED AND	DIP DUCTILE IRON PIPE EOP EDGE OF PAVEMENT	WATER WAY BOUNDARY EXISTING PROPOSED EXISTING EXISTING EXISTING	
IUST USE NEW MATERIAL FOR ALL REPAIRS. CONTRACTOR'S REPAIRS MUST INCLUDE THE PRE-DEMOLITION CONDITION, OR BETTER. CONTRACTOR MUST PERFORM ALL REPAIRS AT THE	FILLED WITH APPROVED FILL MATERIAL, COMPACTED AS THE GEOTECHNICAL REPORT DIRECTS. EARTHWORK ACTIVITIES INCLUDING, BUT NOT LIMITED TO, EXCAVATION, BACKFILL, AND COMPACTING MUST COMPLY WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES. STATUTES, LAWS, ORDINANCES AND CODES, EARTHWORK ACTIVITIES MUST COMPLY WITH THE STANDARD STATE DOT SPECIFICATIONS FOR ROADWAY	ELEV ELEVATION EXIST. EXISTING FF FINISH FLOOR	WATERWAY BUFFER PROPOSED WETLAND OR EXISTING	
JOB SITE SAFETY OR SUPERVISION. THE CONTRACTOR MUST PROCEED WITH THE DEMOLITION IN EQUIREMENTS, TO ENSURE PUBLIC AND CONTRACTOR SAFETY AND SAFETY TO ALL PROPERTY	<ul><li>CONSTRUCTION (LATEST EDITION) AND ANY AMENDMENTS OR REVISIONS THERETO.</li><li>IN THE EVENT OF A DISCREPANCY(IES) AND/OR A CONFLICT(S) BETWEEN PLANS, OR RELATIVE TO OTHER PLANS, THE GRADING PLAN TAKES PRECEDENCE AND</li></ul>	FFE         FINISH FLOOR ELEVATION           GC         GENERAL CONTRACTOR	WATERWAY FLAG     PROPOSED       RIGHT-OF-WAY CENTER     EXISTING       OR BASE LINE     PROPOSED	
HMUST INCLUDE, BUT IS NOT LIMITED TO, THE INSTALLATION AND MAINTENANCE OF BARRIERS, TURES AND ITEMS NECESSARY TO PROTECT THE PUBLIC FROM AREAS OF CONSTRUCTION AND	CONTROLS. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING, OF ANY DISCREPANCY(IES) AND/OR CONFLICT(S). 7. THE CONTRACTOR IS RESPONSIBLE TO IMPORT FILL OR EXPORT EXCESS MATERIAL AS NECESSARY TO CONFORM TO THE PROPOSED GRADING, AND TO BACKFILL	GRT GRATE HDPE HIGH DENSITY POLYETHYLENE PIPE HP HIGH POINT	APPROX. LIMIT OF WORK OR DISTURBANCE PROPOSED	SIT SITION F
D THE SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT R NEAR THE DEMOLITION AREA.	EXCAVATIONS FOR THE INSTALLATION OF UNDERGROUND IMPROVEMENTS. 8. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE PAVEMENT GRADE UNLESS OTHERWISE NOTED.	INT INTERSECTION INV INVERT	APPROX. SAWCUT LINE EXISTING PROPOSED EXISTING EXISTING	
R SPECIFICATIONS, ALL CONCERNS OR QUESTIONS REGARDING THE APPLICABLE SAFETY THIRD PARTIES IN PERFORMING THE WORK ON THIS PROJECT. ANY SUCH CONCERNS MUST BE ING AND MUST ADDRESS ALL ISSUES AND ITEMS RESPONDED TO. BY THE ENGINEER OF RECORD	<ol> <li>THE CONTRACTOR MUST CONFIRM AND ENSURE THAT AS CONSTRUCTED IMPROVEMENTS CREATE THE FOLLOWING MINIMUM SLOPES (EXCEPT WHERE ADA REQUIREMENTS LIMIT THEM): 1.0% ON ALL CONCRETE SURFACES, 1.5% ON ASPHALT SURFACES, 1.5% IN LANDSCAPED AREAS AND 0.75% SLOPE AGAINST ALL ISLANDS, GUTTERS, AND CURBS TO PROVIDE POSITIVE DRAINAGE.</li> </ol>	L.S.A. LANDSCAPE AREA LOD LIMIT OF DISTURBANCE LOW LIMIT OF WORK	TREE LINE     EXISTING       PROPOSED	
E PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THESE PLANS AND AL REGULATIONS, RULES, REQUIREMENTS, STATUTES, ORDINANCES AND CODES.	<ol> <li>WHERE RETAINING WALLS ARE IDENTIFIED ON THE PLANS, TOP AND BOTTOM OF WALL ELEVATIONS (TW &amp; BW) REPRESENT THE PROPOSED FINISHED GRADE AT THE FACE OF THE TOP AND BOTTOM OF THE WALL AND DO NOT REPRESENT THE ELEVATION OF THE PROPOSED WALL (INCLUDING THE CAP UNIT OR FOOTING).</li> </ol>	LF LINEAR FOOT / FEET LP LOW POINT	SUBSURFACE BASIN     PROPOSED	REVISIONS
E UTILITY SERVICE PROVIDER REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION NTIFIED OR REQUIRED FOR THE PROJECT. THE CONTRACTOR MUST PROVIDE THE OWNER WITH CES HAVE BEEN TERMINATED, REMOVED AND/OR ABANDONED IN ACCORDANCE WITH THE	WALL FOOTINGS/FOUNDATION ELEVATIONS ARE NOT IDENTIFIED HEREIN AND ARE TO BE SET/DETERMINED BY THE CONTRACTOR OR WALL DESIGNER, AND MUST BE SET BASED UPON FINAL STRUCTURAL DESIGN SHOP DRAWINGS PREPARED BY THE APPROPRIATE PROFESSIONAL LICENSED IN THE STATE WHERE THE CONSTRUCTION OCCURS. THE CONTRACTOR MUST ENSURE THAT THERE ARE NO UTILITIES ON THE PASSIVE SIDE OF THE RETAINING WALL. NO EXCAVATION MAY	MAX MAXIMUM MEP MECHANICAL, ELECTRICAL, PLUMBING	CURBING PROPOSED OH OH OH OH	REV DATE COMMENT DRAWN BY CHECKED BY
THER APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. ST: SITE FOR REVIEW BY THE ENGINEER AND ALL PUBLIC AGENCIES WITH JURISDICTION	BE PERFORMED ON THE PASSIVE SIDE OF THE RETAINING WALL WITHOUT APPROPRIATELY AND SAFELY SUPPORTING THE WALL IN ACCORDANCE WITH THE STANDARD OF CARE AND ALL APPLICABLE RULES, REGULATIONS, CODES, ORDINANCES, LAWS AND STATUTES.	ME MEET OR MATCH EXISTING MIN MINIMUM	FENCE OR RAILING EXISTING PROPOSED CONC/BIT MONOLITHIC SLOPED / VERT GRAN TRANSITION CAPE COD CHAINLINK	1 06/07/2023 PLANNING BOARD OCR COMMENTS GD
AND DEMOLITION WORK. JGINEER, AND LOCAL SOIL CONSERVATION JURISDICTION, AT LEAST 72 BUSINESS HOURS PRIOR	<ol> <li>MSE OR GRAVITY BLOCK WALLS SHALL BE CONSTRUCTED SUCH THAT UPON COMPLETION OF CONSTRUCTION THERE IS NO UNFINISHED SURFACE OR LIFTING RINGS VISIBLE (E.G. USE OF FINISHED TOP BLOCK OR CAP STONES)</li> <li>STORMWATER RUNOFF WITHIN PROPERTY MUST BE COLLECTED ON-SITE WITH NO OVERLAND RUNOFF ONTO THE RIGHT-OF-WAY OR ADJACENT PROPERTIES TO</li> </ol>	No. / # NUMBER ± PLUS OR MINUS PC POINT OF CURVATURE	RETAINING WALL EXISTING PROPOSED RETAINING WALL	2 07/10/2023 PLANNING BOARD OCR COMMENTS GD
OL MEASURES PRIOR TO SITE DISTURBANCE, AND MAINTAIN SAID CONTROLS UNTIL SITE IS	THE MAXIMUM EXTENT POSSIBLE OR IN THE MANNER SHOWN ON THE CONSTRUCTION DRAWINGS. STORMWATER RUNOFF ONTO ADJACENT PROPERTIES SHALL BE CONTROLLED AS TO NOT ADVERSLY IMPACT SAID PROPERTIES.	PI POINT OF INTERSECTION PT POINT OF TANGENCY	CONTOURS EXISTING FROPOSED 50 50 50 50 50 50 50 50 50 50 50 50 50	3     7/19/2023     UPDATES     GD       4     8/01/2023     PARCEL AREA     AP
NG BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, HE LIMITS OF PROJECT ACTIVITIES. THE CONTRACTOR MUST USE AND COMPLY WITH THE	13. BEFORE COMMENCING GRADING WORK, CONTRACTOR SHALL SUBMIT SAMPLES OF ALL NATIVE AND IMPORTED MATERIALS WITH THEIR INTENDED FOR STRUCTURAL USES TO THE GEOTECHNICAL ENGINEER OF RECORD.	PVI POINT OF VERTICAL INTERSECTION PVC POLYVINYL CHLORIDE PIPE PROP PROPOSED	SWALE EXISTING PROPOSED D D D D D D D D D D D D D D D D D D	4     8/01/2023     REFERENCES     GD       5     9/12/2023     PER CONS COM CONDITIONS     JDL
YSTEM TO LOCATE ALL UNDERGROUND UTILITIES. AND SYSTEMS THAT ARE NOT BEING REMOVED DURING ANY DEMOLITION ACTIVITIES. ITY SERVICE PROVIDER(S) FOR THE TEMPORARY OR PERMANENT TERMINATION OF SERVICE	<ol> <li>REFER TO GENERAL NOTES SHEET FOR ADDITIONAL ADA GUIDELINES AND REQUIREMENTS.</li> <li>FOR ALL RETAINING WALLS (CT USE 3, ALL OTHER OFFICES USE 4) FEET OR GREATER IN HEIGHT: 4.5.4. THE OWNER OR THE OWNER SOUTH ACTOR IS TO PROVIDE A CITE SPECIFIC RETAINING WALL RESIDN REFERENCE BY THE APPROPRIATE PROFESSIONAL     </li> </ol>	PROP.     PROPOSED       R     RADIUS OR RADII       RCP     REINFORCED CONCRETE PIPE	BERM PROPOSED	
GARDING THE METHODS AND MEANS TO CONSTRUCT SAME. THESE ARE NOT THE ENGINEER OF , THE CONTRACTOR MUST PROVIDE THE UTILITY ENGINEER AND OWNER WITH IMMEDIATE RVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTIONAL AND	15.1. THE OWNER OR THE OWNER'S CONTRACTOR IS TO PROVIDE A SITE-SPECIFIC RETAINING WALL DESIGN PREPARED BY THE APPROPRIATE PROFESSIONAL LICENSED (E.G. STRUCTURAL ENGINEER) IN THE STATE WHERE THE CONSTRUCTION OCCURS. SOIL TYPES, WATER TABLE ELEVATION, EXISTING & PROPOSED SURROUNDING IMPROVEMENTS/CONDITIONS (INCLUDING BUT NOT LIMITED TO SLOPES, DRIVE AISLES, ROADS, FENCING, GUIDERAILS, UTILITIES, DRAINAGE EACULITIES, STRUCTURES, EQUINDATIONS) (INCLUDING BUT NOT LIMITED TO SLOPES, DRIVE AISLES, ROADS, FENCING, GUIDERAILS, UTILITIES, DRAINAGE EACULITIES, STRUCTURES, EQUINDATIONS) (INCLUDING BUT NOT LIMITED TO SLOPES, DRIVE AISLES, ROADS, FENCING, GUIDERAILS, UTILITIES, DRAINAGE EACULITIES, STRUCTURES, EQUINDATIONS) (INCLUDING BUT NOT LIMITED TO SLOPES, DRIVE AISLES, ROADS, FENCING, GUIDERAILS, UTILITIES, DRAINAGE EACULITIES, STRUCTURES, EQUINDATIONS) (INCLUDING BUT NOT LIMITED TO SLOPES, DRIVE AISLES, ROADS, FENCING, GUIDERAILS, UTILITIES, DRAINAGE EACULITIES, STRUCTURES, EQUINDATIONS) (INCLUDING BUT NOT LIMITED TO SLOPES, DRIVE AISLES, ROADS, FENCING, GUIDERAILS, UTILITIES, DRAINAGE EACULITIES, STRUCTURES, EQUINDATIONS) (INCLUDING BUT NOT LIMITED TO SLOPES, DRIVE AISLES, ROADS, FENCING, GUIDERAILS, UTILITIES, DRAINAGE EACULITIES, STRUCTURES, STRUCTURES, DRIVE, AND AND AND ADDRESSIONAL EACULITIES, STRUCTURES, AND AND ADDRESSIONAL AND ADDRESSIONAL AND ADDRESSIONAL EACULITIES, STRUCTURES, AND ADDRESSIONAL AND ADDRESSIONAL AND ADDRESSIONAL AND ADDRESSIONAL AND ADDRESSIONAL ADDRESSIONAL AND ADDRESSIONAL ADDRESSIONAL ADDRESSIONAL ADDRESSIONAL ADDRESSIONAL ADDRESSIONAL ADDRESSIONAL ADDRESSIONAL ADDRESSIONAL ADDRESSIONA	R.O.W. RIGHT-OF-WAY SAN SANITARY	PROPOSED         PROPOSED           DRAIN PIPE         EXISTING         =         =         =         -         0-Qa         -           PROPOSED         PROPOSED         -	
ITY SERVICE PROVIDER(S) REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS )F, AND TO THE AFFECTED PARTIES. WORK REQUIRED TO BE PERFORMED "OFF-PEAK" IS TO BE	<ul> <li>FACILITIES, STRUCTURES, FOUNDATIONS), LIVE LOADS AND OTHER SITE AMENITIES THAT COULD HAVE AN INFLUENCE OR IMPACT ON THE RETAINING WALL(S) CONSTRUCTABILITY AND/OR LONGEVITY SHALL BE CONSIDERED AND INCORPORATED INTO THE RETAINING WALL DESIGN AS WELL AS THE GLOBAL STABILITY ANALYSIS.</li> <li>15.2. PEER REVIEW AND GLOBAL STABILITY ANALYSIS OF THE RETAINING WALL DESIGN MUST BE COMPLETED BY THE OWNER'S GEOTECHNICAL ENGINEER TO</li> </ul>	SMH     SEWER MANHOLE       S     SLOPE       SF     SQUARE FOOT	PROPOSED         Seven propose	
IS MATERIAL, THE REMOVAL OF WHICH IS NOT ADDRESSED IN THE PROJECT PLANS AND LOPER, THE CONTRACTOR MUST IMMEDIATELY CEASE ALL WORK IN THE AREA OF DISCOVERY, WNER AND ENGINEER OF RECORD AND BOHLER. THE DISCOVERY OF SUCH MATERIALS TO	CERTIFY THE DESIGN MEETS INDUSTRY STANDARDS FOR FACTOR OF SAFETY. SOIL TYPES, WATER TABLE ELEVATION AND DESIGN PROPERTIES AS NOTED ABOVE SHALL BE FIELD CONFIRMED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO WALL CONSTRUCTION.	STA STATION STM STORM	SEWER FORCE MAIN     EXISTING    FM	
ACTIVITIES, DEMOLITION OR REMOVAL OF FOUNDATION WALLS, FOOTINGS, OR OTHER MATERIALS ACCORDANCE AND CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, OR	16. CONTRACTOR SHALL INSTALL CONCRETE CURB ALONG FACE OF BUILDING / WALL AS SHOWN TO PROVIDE CONSISTENT WIDTH ALONG LENGTH OF PROPOSED ACCESSIBLE RAMP AND RAMP LANDING TO MEET ADA/AAB REQUIREMENTS.	TBR     TO BE REMOVED       TBR/R     TO BE REMOVED AND REPLACED	ELECTRIC         EXISTING	811
TURAL OR GEOTECHNICAL ENGINEER. UDE AREAS OUTSIDE THE DEFINED PROJECT LIMIT LINE, WITHOUT SPECIFIC WRITTEN	17. CONTRACTOR SHALL REVIEW RETAINING WALL LOCATIONS VERSUS APPLICABLE STATE AND LOCAL CODES AND PROVIDE FALL PROTECTION (E.G. FENCING OR RAILING) IN ACCORDANCE WITH SAID CODE.	TC     TOP OF CURB       TW     TOP OF WALL       TPF     TREE PROTECTION FENCE	S         PROPOSED         T         T         T           CABLE TV         EXISTING	
GOVERNMENTAL AGENCIES WITH JURISDICTION.	<ol> <li>CONTRACTOR SHALL COORDINATE WITH OWNER/OPERATOR TO REVIEW EXISTING DEPRESSIONS WITHIN EXISTING PAVEMENT AREAS TO REMAIN AND SHALL CONFIRM THAT THE SCOPE OF WORK SHALL PROVIDE POSITIVE DRAINAGE BY FIXING ANY EXISTING AREAS OF PONDING.</li> <li>DEFORE COMMENCING CRADING WORK, CONTRACTOR SHALL SUBMIT SAMPLES OF ALL NATIVE AND IMPORTED MATERIALS WITH THEIR INTENDED FOR</li> </ol>	TYP. TYPICAL UNG UNDERGROUND	CABLE TV         PROPOSED         CC         CC           GAS         EXISTING	Know what's <b>below.</b> <b>Call</b> before you dig.
MPACTED TO SUPPORT ALL NEW IMPROVEMENTS AND MUST BE PERFORMED IN COMPLIANCE HE GEOTECHNICAL REPORT. BACKFILLING MUST OCCUR IMMEDIATELY AFTER DEMOLITION & ENTERING THE EXCAVATION. FINISHED SURFACES MUST BE GRADED TO PROMOTE POSITIVE I TESTING AND MUST SUBMIT SUCH REPORTS AND RESULTS TO THE ENGINEER OF RECORD AND	<ol> <li>BEFORE COMMENCING GRADING WORK, CONTRACTOR SHALL SUBMIT SAMPLES OF ALL NATIVE AND IMPORTED MATERIALS WITH THEIR INTENDED FOR STRUCTURAL USES TO THE GEOTECHNICAL ENGINEER OF RECORD.</li> <li>GENERAL DRAINAGE &amp; UTILITY NOTES</li> </ol>	V.I.F. VERIFY IN FIELD W WIDTH	WATER         EXISTING	ALWAYS CALL 811 It's fast. It's free. It's the law.
ENT FROM BOTH THE OWNER AND ALL APPLICABLE. NECESSARY AND REQUIRED	1. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES	EXISTING CONDITION	NS NOTES	
LOSIVE PROGRAM AND/OR ANY DEMOLITION ACTIVITIES, THE CONTRACTOR MUST ENSURE AND ND EXPLOSIVE CONTROL MEASURES THAT THE FEDERAL, STATE, AND LOCAL GOVERNMENTS AND PERFORM ALL INSPECTION AND SEISMIC VIBRATION TESTING THAT IS REQUIRED TO	ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES, IN THEIR ENTIRETY. THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL OF THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES. 2. LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE, AND THE CONTRACTOR MUST INDEPENDENTLY VERIFY AND CONFIRM THOSE	NOTES:		FOR EXHIBIT
E. DS, THE CONTRACTOR MUST USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND	LOCATIONS AND SERVICES WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCING ANY CONSTRUCTION OF EXCAVATION. THE CONTRACTOR MUST INDEPENDENTLY VERIFY AND CONFIRM ALL SANITARY CONNECTION POINTS AND ALL OTHER UTILITY SERVICE CONNECTION POINTS IN THE FIELD, PRIOR TO COMMENCING ANY CONSTRUCTION. THE CONTRACTOR MUST REPORT ALL DISCREPANCIES, ERRORS AND OMISSIONS IN WRITING, TO THE ENGINEER OF RECORD.	1) BENCH MARK INFORMATION: ELEVATIONS ESTABLISHED FROM GPS OB:	SERVATIONS	PURPOSES ONLY
N IS COMPLETE, THE CONTRACTOR MUST CLEAN ALL ADJACENT STRUCTURES AND EMOLITION OPERATIONS CAUSE. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL NTRACTOR'S SOLE COST.	<ol> <li>THE CONTRACTOR MUST VERTICALLY AND HORIZONTALLY LOCATE ALL UTILITIES AND SERVICES INCLUDING, BUT NOT LIMITED TO, GAS, WATER, ELECTRIC, SANITARY AND STORM, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE OR WORK SPACE, WHICHEVER IS GREATER. THE</li> </ol>	TEMPORARY BENCHMARKS SET TBM-EC1: TOP OF MAG NAIL SET IN ASPHALT CA		THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. I <u>T IS NOT INTENDED AS A CONSTRUCTION</u> <u>DOCUMENT</u> UNLESS INDICATED OTHERWISE.
OM REMOVAL OPERATIONS MUST BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. T BE PERMITTED, INCLUDING BUT NOT LIMITED TO, THE PUBLIC RIGHT-OF-WAY.	CONTRACTOR MUST USE, REFER TO, AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL OF THE UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO ANY EXISTING UTILITIES WHICH OCCUR DURING CONSTRUCTION, AT NO COST TO THE OWNER AND AT CONTRACTOR'S SOLE COST AND EXPENSE. THE CONTRACTOR MUST BEAR ALL COSTS ASSOCIATED WITH DAMAGE TO ANY	ELEVATION=216.32 TBM-EC11: TOP OF MAG NAIL SET IN ASPHALT CA		PROJECT No.:         W201257           DRAWN BY:         EVD / CMC / OCR
CH INDICATES THE LOCATION OF EXISTING UTILITIES THAT ARE CAPPED, ABANDONED IN PLACE, OCUMENT MUST BE PREPARED IN A NEAT AND WORKMAN-LIKE MANNER AND TURNED OVER TO OF WHICH IS AT THE CONTRACTOR'S SOLE COST.	EXISTING UTILITIES WHICH OCCURS DURING CONSTRUCTION.  4. THE CONTRACTOR MUST FIELD VERIFY THE PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES BY USING A TEST PIT TO CONFIRM EXACT DEPTH. PRIOR TO COMMENCEMENT OF CONSTRUCTION.	ELEVATIONS REFER TO NORTH AMERICAN VERT		CHECKED BY:         GD           DATE:         04/13/2023           CAD I.D.:         W201257-SPPD-5B
SITE ALL UNDERGROUND STORAGE TANKS, IF ENCOUNTERED, IN ACCORDANCE WITH FEDERAL, NG CONSTRUCTION IN THE AREA AROUND THE TANK WHICH EMPTYING, CLEANING AND REMOVAL	<ol> <li>STORMWATER ROOF DRAIN LOCATIONS ARE BASED ON ARCHITECTURAL PLANS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF SAME BASED UPON FINAL ARCHITECTURAL PLANS.</li> </ol>	3) CONTOUR INTERVAL EQUALS ONE (1) FOOT.		PROJECT:
LY AND HORIZONTALLY ALL ACTIVE AND INACTIVE UTILITY AND/OR SERVICE SYSTEMS THAT ARE	6. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SITE PLAN DOCUMENTS AND ARCHITECTURAL PLANS FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS; GREASE TRAP REQUIREMENTS; AND DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE ARCHITECT WILL DETERMINE THE UTILITY SERVICE SIZES	CHANCE FLOOD AND A ZONE "AE, AN AREA WITHIN TH FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.	OWN HEREON LIE WITHIN A ZONE "X" (UNSHADED), AN AREA OUTSIDE OF THE 0.2% ANNUAL IE 1% CHANCE ANNUAL FLOOD WITH BASE FLOOD ELEVATIONS DETERMINED, AS SHOWN ON THE I.A) FLOOD INSURANCE RATE MAP (F.I.R.M.) FOR NORFOLK COUNTY, MASSACHUSETTS, (ALL	PROPOSED SITE
CONSTRUCTION AND IF REQUIRED, DIG EXPLORATORY TEST PITS TO CONFIRM EXACT LOCATION	THE CONTRACTOR MUST COORDINATE INSTALLATION OF UTILITY 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 OF THE APPLICABLE JURISDICTION AND REGULATORY AGENCIES AND ALL OTHER APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CONFECTAND IS DESCRIPTION OF ACCOUNTS OF A DESCRIPTION OF ALL IMPROVEMENTS, RULES, STATUTES, LAWS,		E OF FELDMAN LAND SURVEYORS ISSUED TO OUR CLIENT FOR PURPOSES RELATED DIRECTLY	PLAN DOCUMENTS
NGINEER WITH ANY CONFLICTS AS NEEDED TO COORDINATE FINAL LOCATION OF ALL PROPOSED	ORDINANCES AND CODES AND, FURTHER, IS RESPONSIBLE FOR COORDINATING THE UTILITY TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO THE EXISTING UTILITY/SERVICE. WHERE A CONFLICT(S) EXISTS BETWEEN THESE DOCUMENTS AND THE ARCHITECTURAL PLANS, OR WHERE ARCHITECTURAL PLAN UTILITY CONNECTION POINTS DIFFER, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING, AND PRIOR TO CONSTRUCTION, MUST RESOLVE SAME.	DOCUMENT FOR ANY REASON BY ANY PARTY FOR PU AND EXCLUSIVE RISK AND LIABILITY, INCLUDING LIABI	OF SERVICES UNDER CONTRACT TO OUR CLIENT FOR THIS PROJECT. ANY USE OR REUSE OF THIS IRPOSES UNRELATED DIRECTLY AND SOLELY TO SAID CONTRACT SHALL BE AT THE USER'S SOLE ILITY FOR VIOLATION OF COPYRIGHT LAWS, UNLESS WRITTEN CONSENT IS PROVIDED BY FELDMAN	FOR
S THAT ARE TO REMAIN FOR THE PROJECTS RE-USE TO VERIFY SUITABILITY FOR SAME. IF LL PROVIDE A NEW STRUCTURE. THE CONTRACTOR SHALL COORDINATE SUCH WORK WITH THE	<ol> <li>ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION MUST BE EXACTLY AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND THE CONTRACTOR MUST COORDINATE SAME WITH THE APPLICABLE UTILITY COMPANY SPECIFICATIONS. WHEN THE PROJECT DOES</li> </ol>		TH A FIELD SURVEY AND PLANS OF RECORD. THE LOCATIONS OF UNDERGROUND PIPES AND	NEXTGRID
OR ASSOCIATED IMPROVEMENTS, DELETERIOUS MATERIALS, AND/OR DEBRIS THAT IMPEDE THE	NOT HAVE GEOTECHNICAL RECOMMENDATIONS, FILL AND COMPACTION MUST COMPLY WITH APPLICABLE REQUIREMENTS AND SPECIFICATIONS. ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR DESIGN OF TRENCH BACKFILL OR FOR COMPACTION REQUIREMENTS	RESPONSIBILITY FOR DAMAGES INCURRED AS A RESU SUBSURFACE UTILITIES CANNOT BE VISIBLY VERIFIED	REMENTIONED RECORD PLANS AND ARE APPROXIMATE ONLY. WE CANNOT ASSUME ULT OF UTILITIES THAT ARE OMITTED OR INACCURATELY SHOWN ON SAID RECORD PLANS, SINCE D. BEFORE PLANNING FUTURE CONNECTIONS, THE PROPER UTILITY ENGINEERING DEPARTMENT OF SUBSURFACE STRUCTURES SHOULD BE DETERMINED IN THE FIELD, CALL, TOLL FREE, THE DIG	MESCALBEAN LLC
TION OF EXISTING STRUCTURES, UTILITIES AND APPURTENANCES IN THE FIELD TO CONFIRM ONTRACTOR SHALL CARRY COSTS FOR REMOVAL OF ANY EXISTING STRUCTURES, I NOT LIMITED TO, DRAIN, WATER, SEWER, STEAM, IRRIGATION, GAS, TELECOM AND ELECTRIC.	8. DURING THE INSTALLATION OF SANITARY, STORM, AND ALL UTILITIES, THE CONTRACTOR MUST MAINTAIN A CONTEMPORANEOUS AND THOROUGH RECORD OF CONSTRUCTION TO IDENTIFY THE AS-INSTALLED LOCATIONS OF ALL UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR MUST CAREFULLY NOTE ANY INSTALLATIONS THAT DEVIATE, IN ANY RESPECT, FROM THE INFORMATION CONTAINED IN THESE PLANS. THIS RECORD MUST BE KEPT ON A CLEAN COPY OF THE APPROPRIATE PLAN(S), WHICH THE CONTRACTOR MUST PROMPTLY PROVIDE TO THE OWNER IMMEDIATELY UPON THE COMPLETION OF WORK.	SAFE CALL CENTER AT 1-888-344-7233 SEVENTY-TWO		PROPOSED SOLAR FARM
NG MONITORING WELLS IN ACCORDANCE WITH THE DIRECTION OF THE ENVIRONMENTAL	<ol> <li>THE CONTRACTOR MUST ENSURE THAT ALL UTILITY TRENCHES LOCATED IN EXISTING PAVED ROADWAYS INCLUDING SANITARY, WATER AND STORM SYSTEMS, ARE REPAIRED IN ACCORDANCE WITH REFERENCED MUNICIPAL, COUNTY AND OR STATE DOT DETAILS AS APPLICABLE. THE CONTRACTOR MUST COORDINATE</li> </ol>			LOTS INCLUDED (PARCEL #):239-009, F
EE LINE, PROPOSED SAWCUT OR COMBINATION THEREOF IT IS SHOWN ADJACENT TO THESE	INSPECTION AND APPROVAL OF COMPLETED WORK WITH THE AGENCY WITH JURISDICTION OVER SAME.			239-010, G 239-010, H 239-010, I 239-010, 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010, 26-0009
STRUCTION UNLESS CLEARLY INDICATED OTHERWISE. REASONABLE CARE AND CAUTION SHALL LECTIVE PRUNING MAY BE REQUIRED TO ENSURE THAT TREES DO NOT CONFLICT WITH THE	REGARDLESS OF WHAT THIS PLAN DEPICTS.  11. WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY. THE CONTRACTOR MUST CONTACT THE ADDI CADLE MUNICIPALITY TO CONFIRM THE PROPER WATER METER AND VALUE. PRIOR TO COMMENCING CONSTRUCTION			160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN,
TORS THAT ARE DAMAGED DURING CONSTRUCTION WITHIN EXISTING OR PROPOSED RIGHTS OF DOT APPROVED SIGNAL CONTRACTOR. ANY DAMAGED LOOPS OR OTHER SIGNAL EQUIPMENT	CONTACT THE APPLICABLE MUNICIPALITY TO CONFIRM THE PROPER WATER METER AND VAULT, PRIOR TO COMMENCING CONSTRUCTION. 12. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT MUST BE ADJUSTED, AS NECESSARY, TO MATCH PROPOSED FINISHED GRADES WITH NO TRIPPING OR SAFETY HAZARD IN ACCORDANCE WITH ALL APPLICABLE STANDARDS. REQUIREMENTS. RULES. STATUTES, LAWS, ORDINANCES AND CODES			NORFOLK COUNTY, MASSACHUSETTS
E. THE SIGNAL CONTRACTOR SHALL BE AVAILABLE TO MAKE ANY TEMPORARY SIGNAL CHANGES	13. THE CONTRACTOR'S PRICE FOR WATER AND SEWER SERVICE INSTALLATIONS MUST INCLUDE ALL FEES, COSTS, AND APPURTENANCES REQUIRED BY THE UTILITY PROVIDER (AND OTHER AGENCIES HAVING JURISDICTION OVER THE WORK) TO PROVIDE FULL AND COMPLETE WORKING SERVICE, INCLUDING (BUT NOT LIMITED			<b>BOHLER</b>
ROPOSED UTILITIES CROSS EXISTING UNDERGROUND UTILITIES BY USING A TEST PIT TO DMMENCEMENT OF CONSTRUCTION. IAT ARE TO BE TERMINATED AT THE EXISTING MAIN AND/OR PROPERTY LINE. THESE SERVICES	TO) NECESSARY FEES, TESTING, DISINFECTING, INSPECTIONS, ROAD OPENING & BACKFILL REQUIREMENTS, TRAFFIC CONTROL AND SURETY BONDS AS DEFINED BY THE PROVIDER (AND OTHER AGENCIES HAVING JURISDICTION OVER THE WORK).			
E TRANSPORTATION DEPARTMENT REQUIREMENTS.	14. ALL WORK ASSOCIATED WITH UTILITY POLES, OVERHEAD WIRES AND ANY/ALL APPURTENANCES SHALL BE COORDINATED BY THE GC WITH THE LOCAL UTILITY COMPANIES PRIOR TO THE ORDERING OF ANY MATERIALS. THIS MAY INCLUDE BUT IS NOT LIMITED TO THE REMOVAL, INSTALLATION, RELOCATION OR PROTECTION OF ANY BRACING, GUY WIRES, OVERHEAD WIRES, ETC. AS MAY BE REQUIRED TO ACCOMMODATE THE PROJECT.	1		<b>352 TURNPIKE ROAD</b> <b>SOUTHBOROUGH, MA 01772</b> Phone: (508) 480-9900
E DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES	15. SEWERS CONVEYING SANITARY FLOW, OR INDUSTRIAL FLOW MUST BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY. IF SUCH LATERAL SEPARATION IS NOT POSSIBLE, THE PIPES MUST, AT A MINIMUM, BE IN SEPARATE TRENCHES WITH THE AT LEAST 18 INCHES OF VERTICAL SEPARATION FROM THE BOTTOM OF THE WATER MAIN TO THE TOP OF THE SEWER LINE. WHERE APPROPRIATE SEPARATION FROM A WATER MAIN IS NOT			www.BohlerEngineering.com
THE GENERAL NOTES AND ALL OF THE PLANS' SPECIFIC NOTES.	POSSIBLE, THE SEWER MUST BE ENCASED IN CONCRETE, OR CONSTRUCTED OF DUCTILE IRON PIPE USING MECHANICAL OR SLIP-ON JOINTS FOR A DISTANCE OF AT LEAST 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE WATER LINE AS POSSIBLE. WHERE A WATER MAIN CROSSES UNDER A SANITARY SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SANITARY			
E ON THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN AND IN ACCORDANCE WITH REVENT SEDIMENT AND/OR LOOSE DEBRIS FROM WASHING ONTO ADJACENT PROPERTIES OR THE	SEWER MUST BE PROVIDED. ALL CROSSINGS SHALL BE IN ACCORDANCE WITH JURISDICTIONAL PERMITTING/UTILITY AUTHORITIES REGULATIONS. 16. WHEN THESE PLANS INVOLVE MULTIPLE BUILDINGS, SOME OF WHICH MAY BE BUILT AT A LATER DATE, THE CONTRACTOR MUST EXTEND ALL UTILITY SERVICES,			STEALTH OF MASS
ST CONFORM TO THE LATEST STANDARDS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL ROVED SUPPLEMENTS, GUIDELINES, RULES, REGULATIONS, STANDARDS AND THE LIKE.	INCLUDING BUT NOT LIMITED TO STORM, SANITARY, UTILITIES, AND IRRIGATION LINES, TO A POINT AT LEAST FIVE (5) FEET BEYOND THE PAVED AREAS FOR WHICH THE CONTRACTOR IS RESPONSIBLE. THE CONTRACTOR MUST CAP ENDS OF INSTALLED UTILITIES AS APPROPRIATE, MARK UTILITY ENDS WITH MAGENTIC TRACER TAPE, MARK TERMINOUS LOCATIONS WITH A 2X4 STAKE, AND MUST NOTE THE LOCATION OF ALL UTILITY STUBS ON A CLEAN COPY OF THE PLAN. THIS RECORD DOCUMENT MUST BE BEEPARED IN A NEED AND AUGUMANT LIKE MANINER AND FUEL DATE OF ALL UTILITY STUBS ON A CLEAN COMPLETION OF THE WORK ALL			JOHIVA KUCANANA
IS SHOWN ON THE PLANS ARE SCHEMATIC AND PRELIMINARY. THE CONTRACTOR IS SOLELY RACTOR MUST COORDINATE THE RELOCATION OF TRAFFIC SIGNS WITH THE ENTITY WITH	DOCUMENT MUST BE PREPARED IN A NEAT AND WORKMAN-LIKE MANNER AND TURNED OVER TO THE OWNER/DEVELOPER UPON COMPLETION OF THE WORK, ALL OF WHICH IS AT THE CONTRACTOR'S SOLE COST. 17. STORM AND SANITARY PIPE LENGTHS INDICATED ARE NOMINAL AND ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS			CIVIL No. 41530
OF PAVEMENT, OR EDGE OF BUILDING, EXCEPT WHEN DIMENSION IS TO A PROPERTY LINE, STAKE ORMED IN STRICT ACCORDANCE WITH THE DETAILS, UNLESS NOTED CLEARLY OTHERWISE.	<ol> <li>STORM AND SANTIART FIPE LENGTHS INDICATED ARE NOMINAL AND ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE ONLESS INDICATED ON THE PLANS OTHERWISE.</li> <li>UNLESS INDICATED OTHERWISE, ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, TELEPHONE, CABLE TV, ETC., MUST BE INSTALLED UNDERGROUND. ALL NEW</li> </ol>			MASS NEW HASSIONAL ENGLAND
NPDES PERMITS AT APPROPRIATE AND/OR REQUIRED TIMEFRAMES BASED UPON THE DESIRED OT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED FROM GOVERNING	UTILITY SERVICES MUST BE INSTALLED IN ACCORDANCE WITH THE UTILITY SERVICE PROVIDER INSTALLATION SPECIFICATIONS AND STANDARDS. 19. SANITARY PIPE MUST BE POLYVINYL CHLORIDE (PVC) SDR 35 EXCEPT WHERE CLEARLY INDICATED OTHERWISE. SANITARY LATERAL(S) MUST BE PVC SDR 26 UNLESS CLEARLY INDICATED OTHERWISE.			CONNECTATE LECTRONO. 26177 RHODE ISLAND LICENSE No. 9616 MAINE LICENSE No. 12553
I PLAN). THE CONTRACTOR MUST STRICTLY ADHERE TO THE APPROVED SWPPP PLAN DURING	20. UNLESS CLEARLY INDICATED OTHERWISE, ALL STORM PIPE MUST BE REINFORCED CONCRETE PIPE (RCP) CLASS III WITH SILT/SOIL TIGHT JOINTS. WHEN HIGH-DENSITY POLYETHYLENE PIPE (HDPE) IS CALLED FOR ON THE PLANS, IT MUST CONFORM TO AASHTO M252 FOR PIPES 4" TO 10" AND TO AASHTO M294 FOR DISC 40" ADD CONTANT AND TO AASHTO M294 FOR DISC 400 MITH AND TO AASHTO M294 FOR DISC 40" ADD TO AASHTO M294 FOR			SHEET TITLE:
IUM COMPRESSIVE STRENGTH OF JURISDICTIONAL STANDARD PSI AT 28 DAYS (OR 4,000 PSI) )TECHNICAL REPORT. RMIT UNDER SEPARATE APPLICATION UNLESS DONE SO AS PART OF JURISDICTIONAL PERMITTING	PIPES 12" TO 60" AND TYPE S (SMOOTH INTERIOR WITH ANGULAR CORRUGATIONS) WITH GASKET FOR SILT/SOIL TIGHT JOINT. PIPE FOR ROOF DRAIN CONNECTION MUST BE HDPE SDR 26 OR PVC SCHEDULE 40 UNLESS INDICATED OTHERWISE. HDPE PIPE JOINT GASKETS MUST BE PROVIDED AND CONFORM TO ASTM F477. DRAIN PIPE INSTALLED WITH OVER TEN (10) FEET OVER COVER AND/OR IN HIGH GROUNDWATER CONDITIONS SHALL BE SANITITE HP POLYPROPOPYLENE PIPE (PP), OR APPROVED EQUIVALENT.		REFER TO SITE LAYOUT PLAN FOR	GENERAL
TOR'S SOLE COST AND EXPENSE, ALL SIDEWALKS, CURBS, PAVEMENT MARKINGS, AND PAVEMENT	(PP), OR APPROVED EQUIVALENT. 21. UNLESS CLEARLY INDICATED OTHERWISE ALL SANITARY PIPE MUST BE: 21.1. FOR PIPES LESS THAN 12 FEET DEEP: POLYVINYL CHLORIDE (PVC) SDR 35 PER ASTM D3034.		ZONING ANALYSIS TABLE AND LAND	NOTES SHEET
N THIS PLAN OR NOT. RDANCE WITH ALL APPLICABLE REQUIREMENTS AND STANDARDS OF THE DEPARTMENT OF	<ul> <li>21.2. FOR PIPES GREATER THAN 12 FEET DEEP: POLYVINYL CHLORIDE (PVC) SDR 26 PER ASTM D3034.</li> <li>21.3. UNLESS LOCAL OR STATE BUILDING / PLUMBING CODE CLEARLY SPECIFIES DIFFERENTLY, SANITARY LATERALS MUST BE PVC SDR 26.</li> <li>21.4. FOR ALL UTILITY PIPING (INCLUDING DRAIN) WITHIN 10 FT OF A BUILDING, PIPE MATERIAL SHALL COMPLY WITH APPLICABLE LOCAL OR STATE BUILDING AND</li> </ul>		USE / ZONING INFORMATION & NOTES	
AND/OR STATE DOT HIGHWAY DEPARTMENT. ND BOTTOM OF WALL WIDTHS DO NOT REPRESENT THE ACTUAL WIDTH OF THE PROPOSED WALL, ALL HEIGHT, WALL EQUINDS AND (OR EQUINDATIONS ARE NOT IDENTIFIED HEREIN AND ARE TO	<ul> <li>PLUMBING CODES. CONTRACTOR SHALL REFER TO PLUMBING ENGINEERING PLANS AND VERIFY PIPE MATERIAL WITH LOCAL OFFICIAL PRIOR TO ORDERING OF MATERIALS.</li> <li>21.5. CONTRACTOR SHALL VERIFY THE CONNECTION OF EXTERIOR PIPING TO ANY FIXTURES (SUCH AS AN EXTERIOR GREASE INTERCEPTOR) OR OTHER DRAINAGE SYSTEMS WITH LOCAL OFFICIALS FOR COMPLIANCE WITH APPLICABLE LOCAL OF STATE BUILDING AND PLUMBING CODES PRIOR TO ORDERING OF MATERIALS</li> </ul>		REFER TO EROSION AND SEDIMENT	SHEET NUMBER:
ALL HEIGHT. WALL FOOTINGS AND /OR FOUNDATIONS ARE NOT IDENTIFIED HEREIN AND ARE TO AND MUST BE SET BASED UPON FINAL STRUCTURAL DESIGN SHOP DRAWINGS PREPARED BY THE HE CONSTRUCTION OCCURS. THE CONTRACTOR MUST ENSURE THAT AN APPROPRIATELY AND PRIOR TO CONSTRUCTION. REFER TO GRADING NOTES REGARDING RETAINING WALL	SYSTEMS WITH LOCAL OFFICIALS FOR COMPLIANCE WITH APPLICABLE LOCAL OR STATE BUILDING AND PLUMBING CODES PRIOR TO ORDERING OF MATERIALS 22. WATER MAIN PIPING MUST BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL WATER COMPANY. IN THE ABSENCE OF SUCH REQUIREMENTS, WATER MAIN PIPING MUST BE CEMENT-LINED DUCTILE IRON (DIP) MINIMUM CLASS 52 THICKNESS. ALL PIPE AND APPURTENANCES MUST		CONTROL NOTES & DETAILS SHEET	C-102
REMAIN IN PROXIMITY TO PROPOSED BOLLARDS AND SIGNS. CONTRACTOR SHALL PROVIDE FIELD	COMPLY WITH THE APPLICABLE AWWA STANDARDS IN EFFECT AT THE TIME OF APPLICATION.		FOR TYPICAL EROSION NOTES AND	

12. CONTRACTOR IS CAUTIONED OF EXISTING UTILITY SERVICES TO REMAIN IN PROXIMITY TO PROPOSED BOLLARDS AND SIGNS. CONTRACTOR SHALL PROVIDE FIELD 23. GAS METERS MUST BE PROTECTED AS REQUIRED BY THE JURISDICTIONAL GAS PROVIDER.



**REVISION 5 - 9/12/2023** 

DETAILS



REV	DATE	COMMENT	DRAWN BY
	DATE	COMMENT	CHECKED BY
1	06/07/2023	PLANNING BOARD	OCR
1	00/07/2023	COMMENTS	GD
2	07/10/2023	PLANNING BOARD	OCR
2	07/10/2023	COMMENTS	GD
2	7/10/2022	PER SURVEY	AP
3	7/19/2023	UPDATES	GD
4	8/01/2023	PARCEL AREA	AP
4	0/01/2023	REFERENCES	GD
5	9/12/2023	PER CONS COM	JDL
5	9/12/2023	CONDITIONS	GD



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### FOR EXHIBIT PURPOSES ONLY

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY EVIEW AND APPROVAL. <u>IT IS NOT INTENDED AS A CONSTRUCTIO</u> DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.:
DRAWN BY:
CHECKED BY:
DATE:
CAD I.D.:
PROJECT:

W20125 EVD / CMC / OCR 04/13/2023 W201257-DEMO-5E

## PROPOSED SITE

PLAN DOCUMENTS — FOR —

NEXTGRID **MESCALBEAN LLC** PROPOSED SOLAR FARM

LOTS INCLUDED (PARCEL #):239-009, F 239-010, G 239-010, H 239-010, I 239-010, 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010, 26-0009 160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS



www.BohlerEngineering.com





<b>C</b> -2

**REVISION 5 - 9/12/2023** 

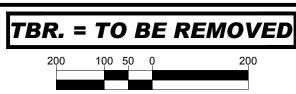


AREA	HATCH	DESCRIPTION
274± sf		25' Proposed Buffer Disturbance
7,321± sf		25' Existing Buffer Disturbance
4,061± sf		50' Proposed Buffer Disturbance
56,130± sf		50' Existing Buffer Disturbance
35,869± sf		100' Proposed Buffer Disturbance
257,327± sf		100' Existing Buffer Disturbance
4,118± sf		25' Existing Buffer Disturbance (To Be Removed)
307± sf		Existing Wetland (To Be Filled)
8,020± sf		25' Existing Buffer Disturbance (To Be Improved)
4,484± sf		50' Proposed Buffer Disturbance (To Be Improved)
6,458± sf		50' Existing Buffer Disturbance (To Be Improved)
320,778± sf	N/A	Total Existing Buffer Disturbance
40,024± sf	N/A	Total Proposed Buffer Disturbance

THE PURPOSE OF THE OVERALL PLAN SHEET IS TO BE UTILIZED AS A SITE KEY MAP, TO PROVIDE SITE FEATURE LOCATIONS ONLY. PLEASE REFER TO EACH INDIVIDUAL SHEET FOR MORE INFORMATION.

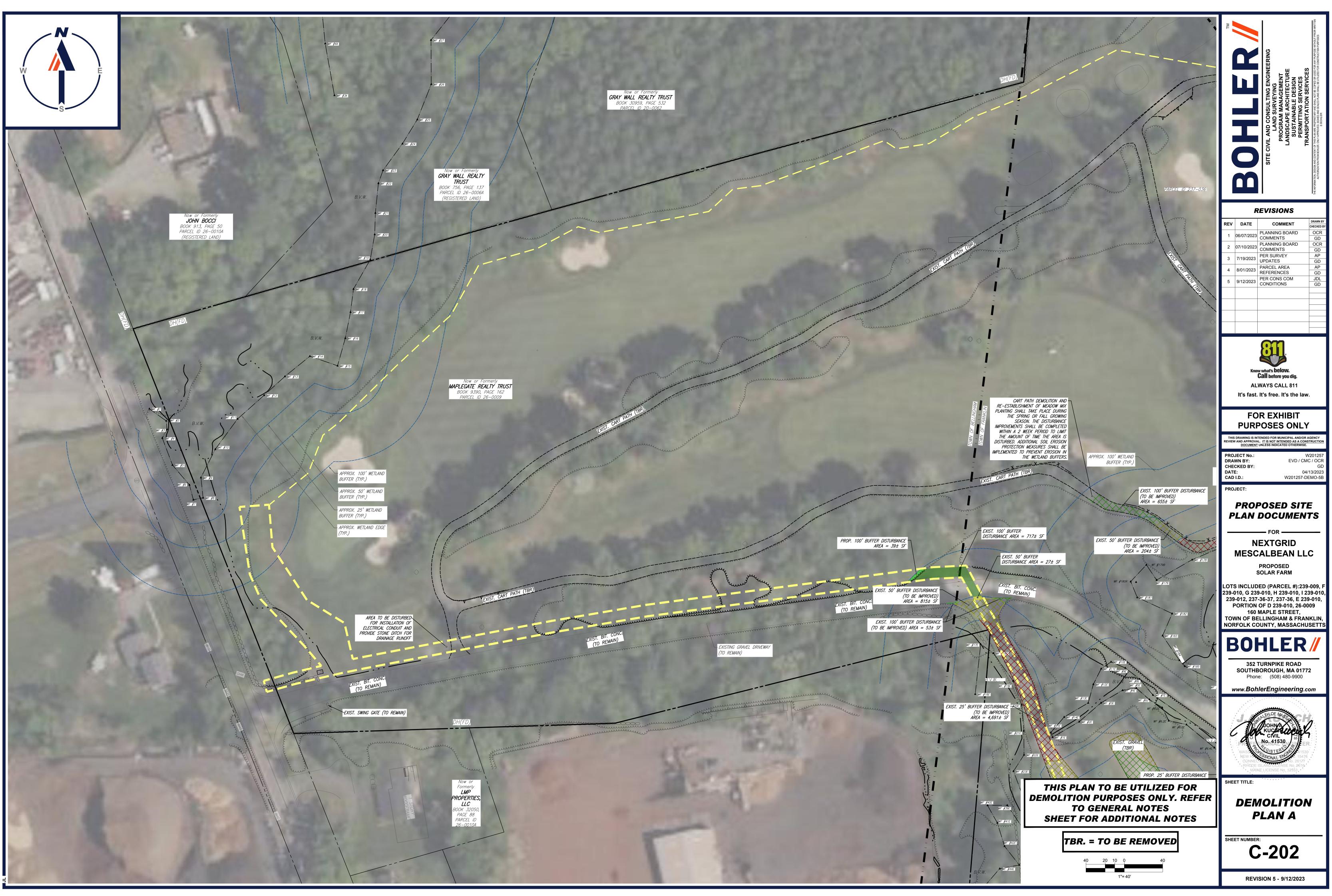
REFER TO GENERAL NOTES SHEET FOR **DEMOLITION NOTES** 

THIS PLAN TO BE UTILIZED FOR DEMOLITION/ REMOVAL **PURPOSES ONLY** 

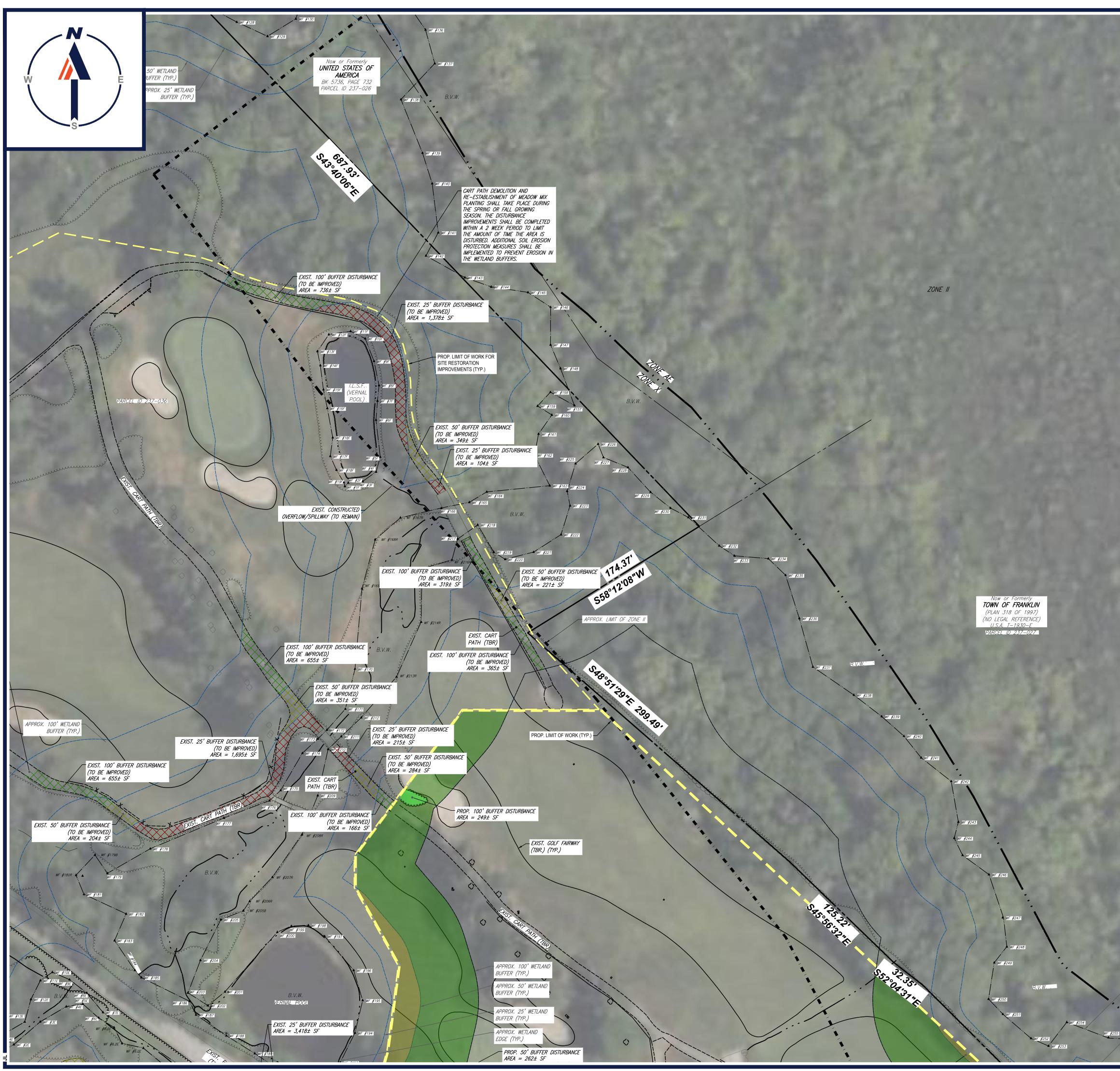


1"= 200'

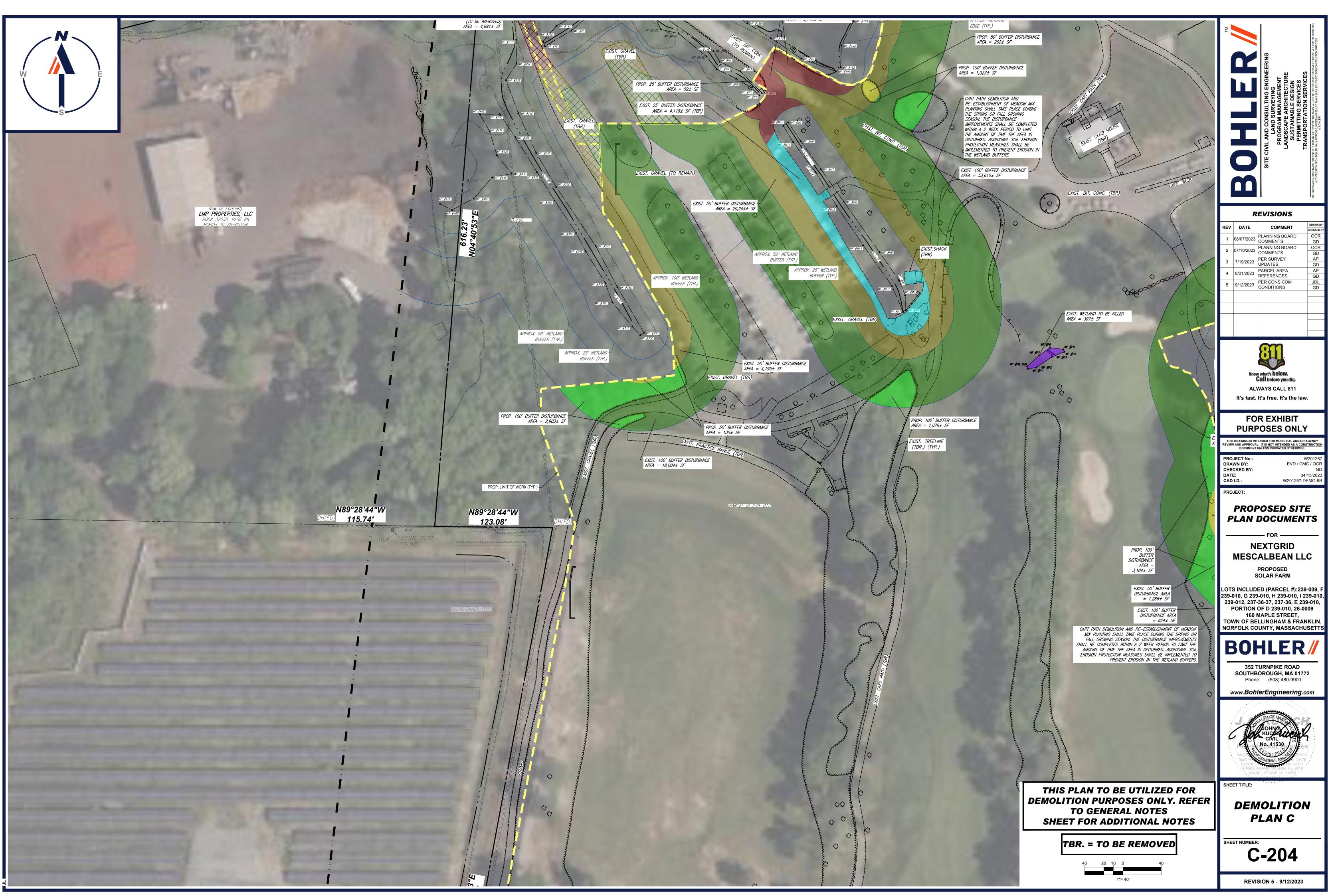
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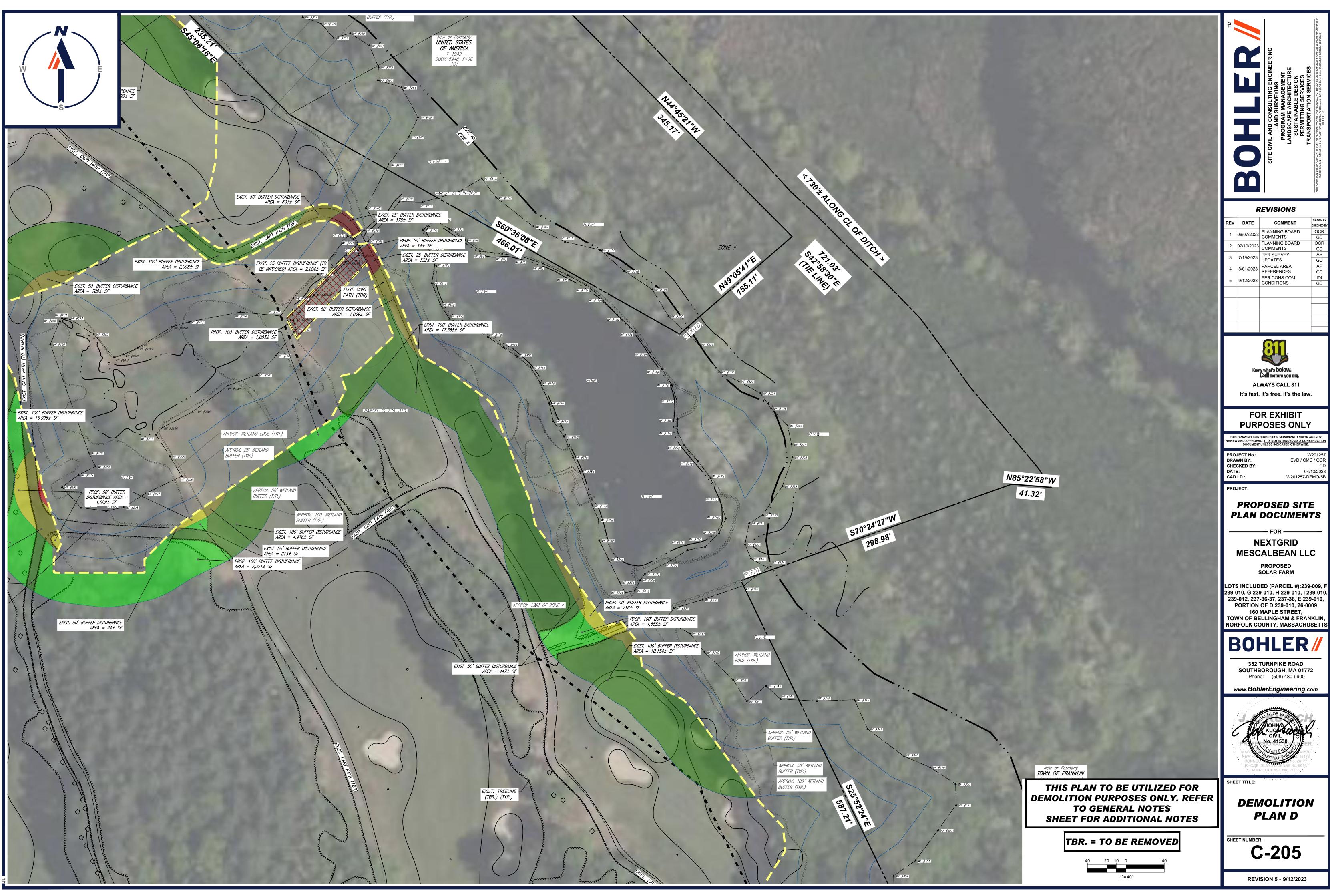


0\W201257\CAD\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\W201257-DEMO-5B----->LAYOUT: C-202-DEMO A



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		REVISIONSREVDATECOMMENTDRAWN BY CHECKED BY106/07/2023PLANNING BOARD COMMENTSOCR GD207/10/2023PLANNING BOARD COMMENTSOCR GD37/19/2023PER SURVEY UPDATESAP GD48/01/2023PARCEL AREA REFERENCESAP59/12/2023PER CONS COM CONDITIONSJDL GD
		<image/> <text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text>
		FOR   FOR   NEXTGRID MESCALBEAN LLC   PROPOSED SOLAR FARM   SOLAR FARM   STS INCLUDED (PARCEL #): 239-009, F 239-010, H 239-010, I 239-010, I 239-012, 237-36, E 239-010, D 239-012, 237-36-37, 237-36, E 239-010, D 239-010, D 239-010, D 239-010, 26-0009 160 MAPLE STREET, DORTION OF D 239-010, 26-0009 160 MAPLE STREET, SOM APLE STREET, DORTION OF D 239-010, 26-0009 L60 MAPLE STREET, DORTION OF D 239-010, 26-0009 L00 MAPLE STREET, DORTION OF D 239-010, 26-0009 L00 MAPLE STREET, DORTION OF D 239-010, 26-0009 L00 MAPLE STREET, L00 MAPLE STRE
ROX. WETLAND EDGE (TYP.)	THIS PLAN TO BE UTILIZED FOR DEMOLITION PURPOSES ONLY. REFER TO GENERAL NOTES SHEET FOR ADDITIONAL NOTES	<text><text><text><section-header></section-header></text></text></text>
APPROX. 50' WETLAN BUFFER (TYP.)	40 20 10 0 40 1"= 40'	<b>C-203</b> REVISION 5 - 9/12/2023
#257 BUFFER (1	· ····	REVISION 5 - 9/12/2023





0\W201257\CAD\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\W201257-DEMO-5B----->LAYOUT: C-205-DEI



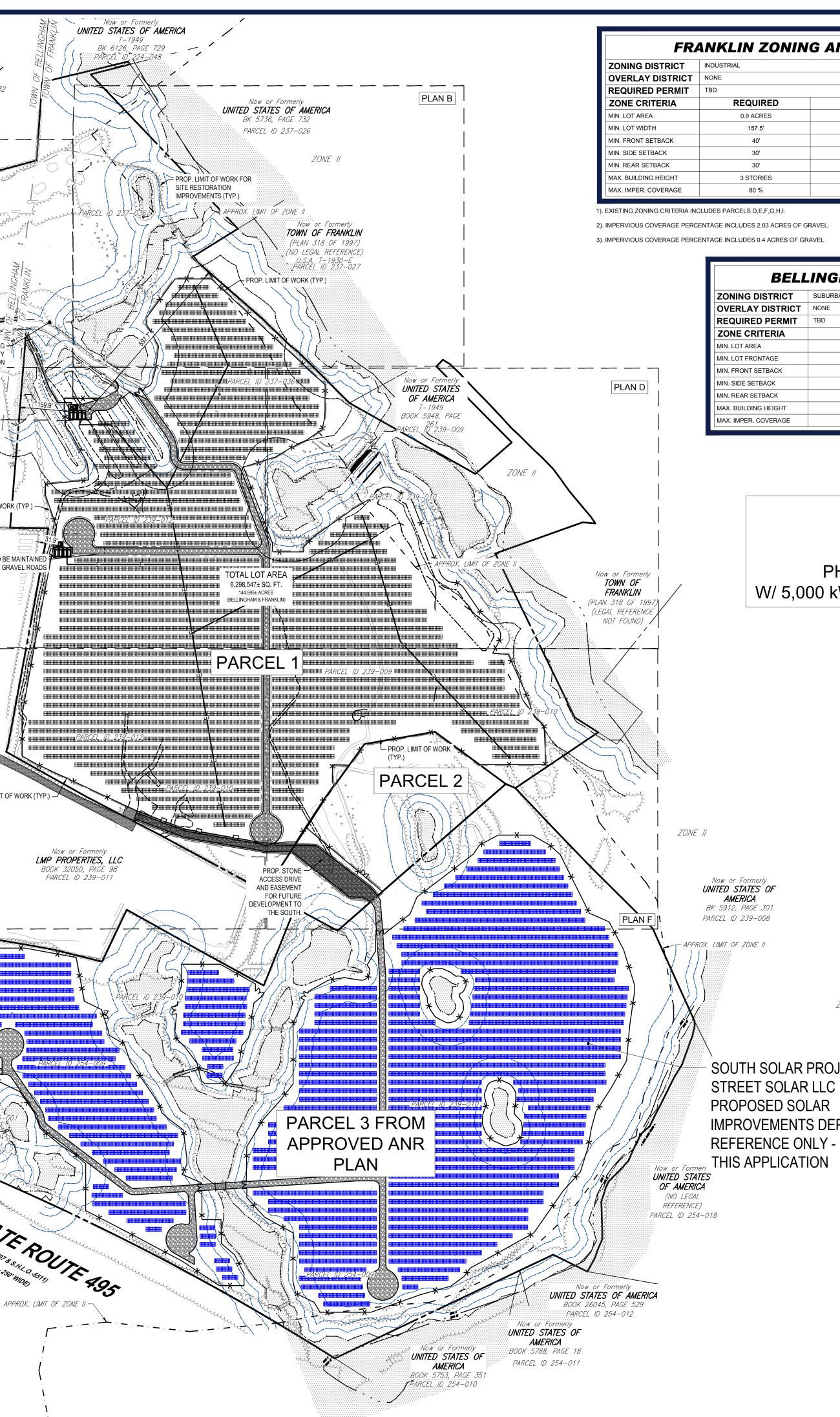
20\W201257\CAD\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\W201257-DEMO-5B----->LAYOUT; C-206-DF



\\W201257\CAD\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\W201257-DEMO-5B----->LAYOUT: C-207-DE



Now or Formerly GRAY WALL REALTY TRUST BOOK 30959. PAGE 532 Now or Formerly PARCEL ID 20-0062 GRAY WALL REALTY TRUST BOOK 756, PAGE PARCEL ID MAPLE 26–0006A Now or Formerly REGISTERED I AN JOHN BÓCCI BOOK 913. PAGE 50 PARCEL ID 26–0010A (REGISTERED S I AND. TRE Now or Forr MAPLEGATE REÁLTY TRUST - PROP. LIMIT OF WORK FOR SITE RESTORATION IMPROVEMENTS PROP. STONE -DRAINAGE DITCH PROP. AREA OF PAVEMENT TRENCHING CONCRETE AND RESTORATION FOR UTILITY PAD CONDUIT INSTALLATION FOR RECLOSER : SWING GATE 栏 TO REMAIN | PLAN A Now Formerly **LMP** Now or Formerly LMP PROPERTIES, LLC PROPERTIES, BOOK 32050, PAGE 88 LLC PARCEL ID 26-0010B - BOOK 32050, PAGE 88 PARCEL ID 26-0010 PROP. LIMIT OF WORK (TYP.) 2' WIDE GRASS SHOULDER TO BE MAINTAINED ON EITHER SIDE OF ALL GRAVEL ROADS | PLAN C ╶━╾╼╾╌╼╲╁╱╼╌╴ TRE . Vow or Formerl LMP PROPERTIES, LLC S BOOK 32050. PAGE 98 PARCEL ID 32-000. DLF MA PROP. LIMIT OF WORK (TY | PLAN E Now or Formerly NEW ENGLAND POWER COMPANY 2055 PAGE 3' BOOK 3855, PAGE 390 PARCEL ID 32-0008 MAPLEGATE REALTY TRUST ROOK 8626. PAGE 3 Now or ormerly SCOTT Á. 8 KAREN L. RHODES BOOK 22974, PAGE 279 PAGE 279 PARCEL ID 32-0010 INTERSTATE ROUTE A95



### FRANKLIN ZONING ANALYSIS TABLE

#### N/A - NOT APPLICABLE N/S - NOT SPECIFIED - VARIANCE REQUESTED (W) - WAIVER REQUESTED (E) - EXIST. NON-CONFORMANCE

	PROPOSED PARCEL 1	PROPOSED PARCEL 2	PROPOSED PARCEL
±129.97 ACRES	± 62.96 ACRES	± 5.61 ACRES	± 61.40 ACRES
422.7'	422.7'	N/A	TBD (BY OTHERS)
441.0'	N/A	N/A	N/A
85.7'	31.9'	N/A	TBD (BY OTHERS)
241.0'	597.7'	N/A	TBD (BY OTHERS)
<30'	N/A	N/A	N/A
<7.4% <sup>2</sup>	2.9 % <sup>3</sup>	7.1 % <sup>3</sup>	TBD (BY OTHERS)

ICT	SUBURBAN		
RICT	NONE		
RMIT	TBD		
Α	REQUIRED	EXISTING	PROPOSED PARCEL 26-009
	0.92 ACRES	± 9.8 ACRES	± 9.8 ACRES
	150.0'	±454.1'	±454.1'
K	30'	N/A	N/A
	15'	N/A	N/A
	20'	N/A	N/A
HT	35'	N/A	N/A
AGE	N/A	±6.4%	±3.3%

14,994.72 - KW DC 4,999 - KW AC NORMAL 4,999 - KW AC MAXIMUM PHOTOVOLTAIC POWER SYSTEM W/ 5,000 kW / 31,000 kWH DC-COUPLED STORAGE

- NOT APPLICABLE - NOT SPECIFIED - VARIANCE REQUESTED - WAIVER REQUESTED - EXIST. NON-CONFORMAN REVISIONS REV DATE COMMENT PLANNING BOARD 06/07/2023 COMMENTS 2 07/10/2023 COMMENTS PLANNING BOARD PER SURVEY 7/19/2023 UPDATES PARCEL AREA 8/01/2023 REFERENCES 5 9/12/2023 PER CONS COM CONDITIONS



**Call** before you dig **ALWAYS CALL 811** It's fast. It's free. It's the law.

### FOR EXHIBIT PURPOSES ONLY

THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY EVIEW AND APPROVAL. <u>IT IS NOT INTENDED AS A CONSTRUCTIO</u> <u>DOCUMENT</u> UNLESS INDICATED OTHERWISE.

PROJECT No.: DRAWN BY: CHECKED BY: DATE: CAD I.D.:

PROJECT:

04/13/2023 W201257-SPPD-5E

W2012

EVD / CMC / OCR



– FOR –

NEXTGRID MESCALBEAN LLC PROPOSED SOLAR FARM

LOTS INCLUDED (PARCEL #):239-009, F 239-010, G 239-010, H 239-010, I 239-010, 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010, 26-0009 160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETT





**C-301** 

**REVISION 5 - 9/12/2023** 

SHEET NUMBER

**GENERAL NOTES** 

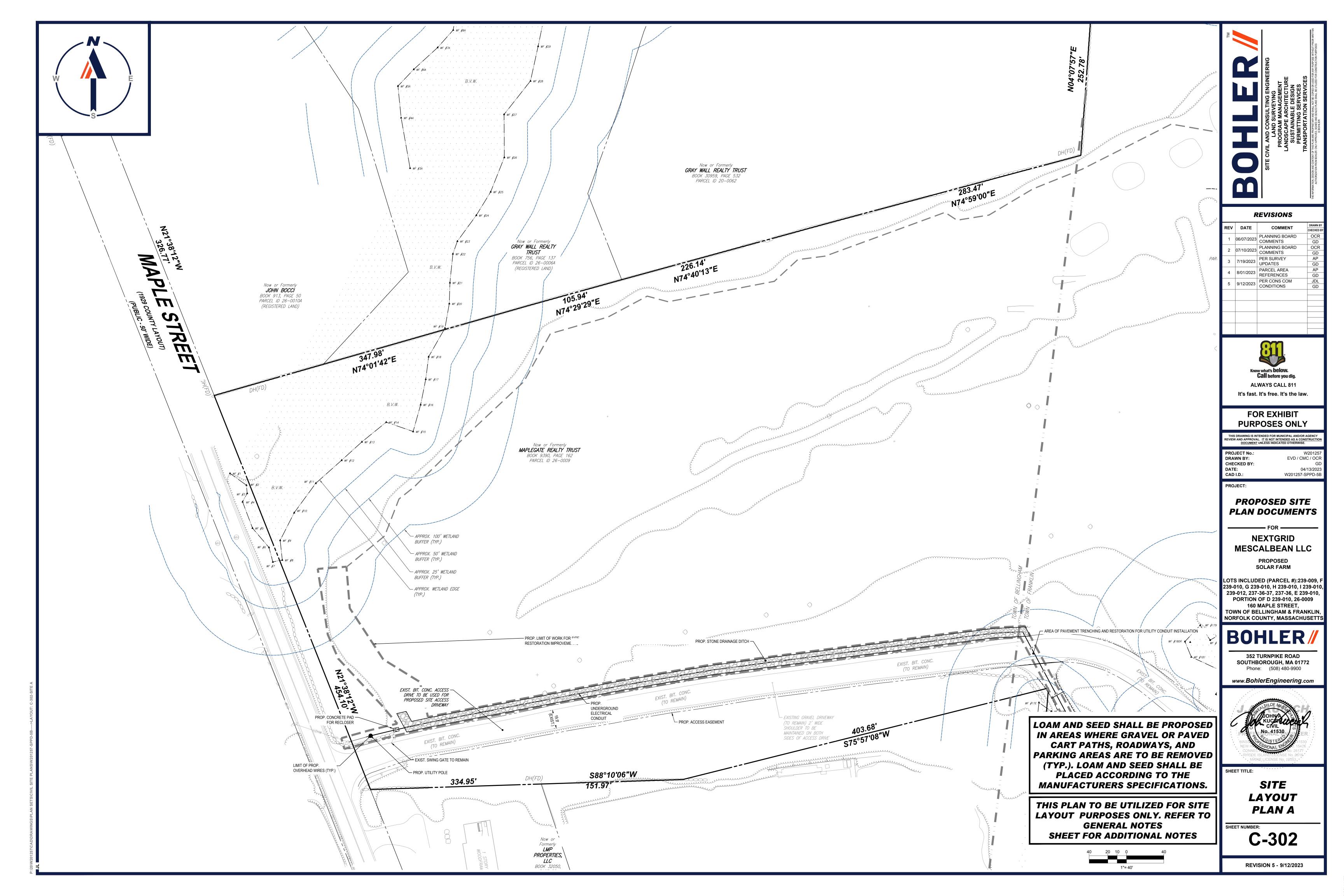
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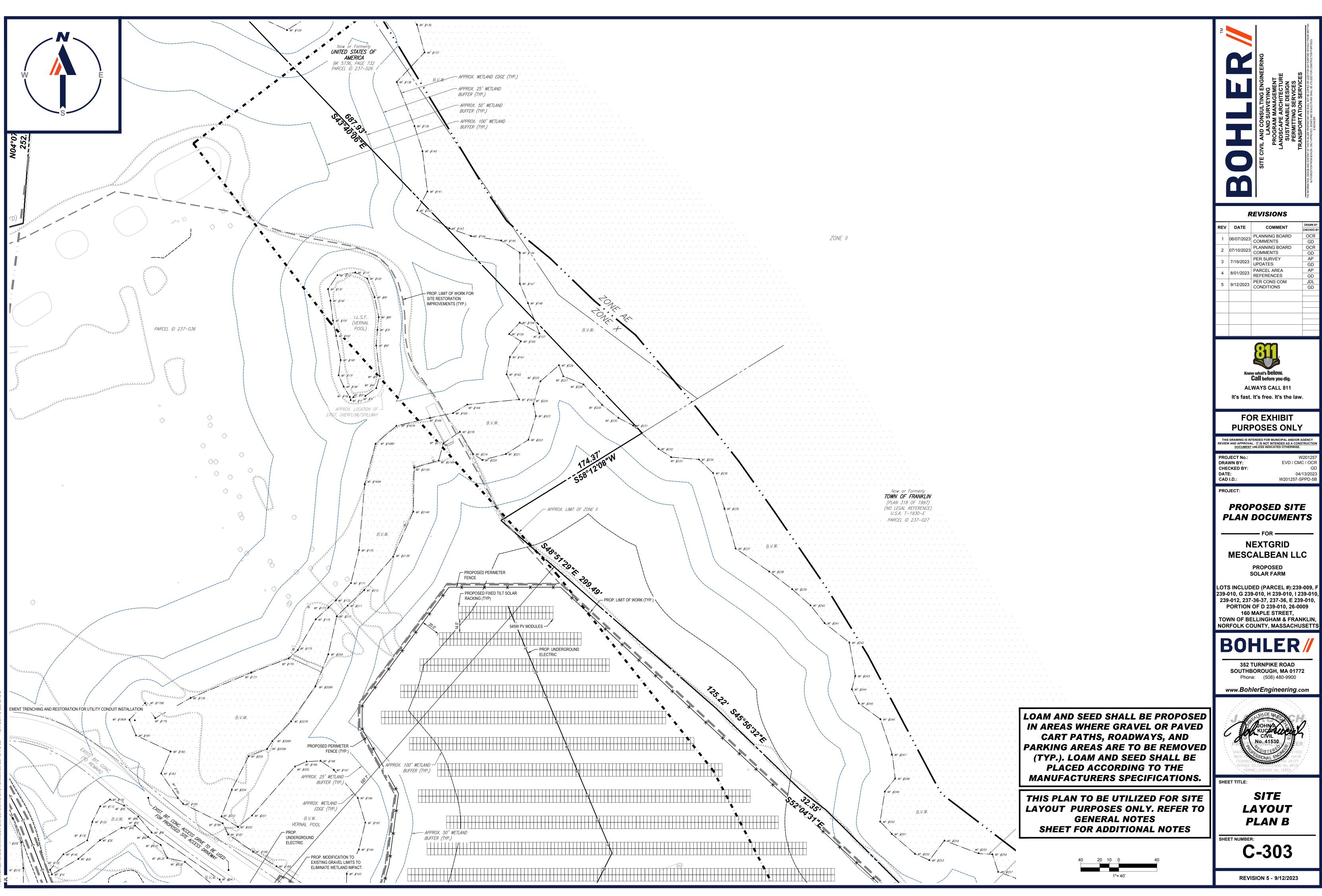
- SOUTH SOLAR PROJECT BY MAPLE IMPROVEMENTS DEPICTED FOR **REFERENCE ONLY - NOT PART OF** 

THE PURPOSE OF THE OVERALL PLAN SHEET IS TO BE UTILIZED AS A SITE KEY MAP, TO PROVIDE SITE FEATURE LOCATIONS ONLY. PLEASE REFER TO EACH INDIVIDUAL SHEET FOR MORE INFORMATION.

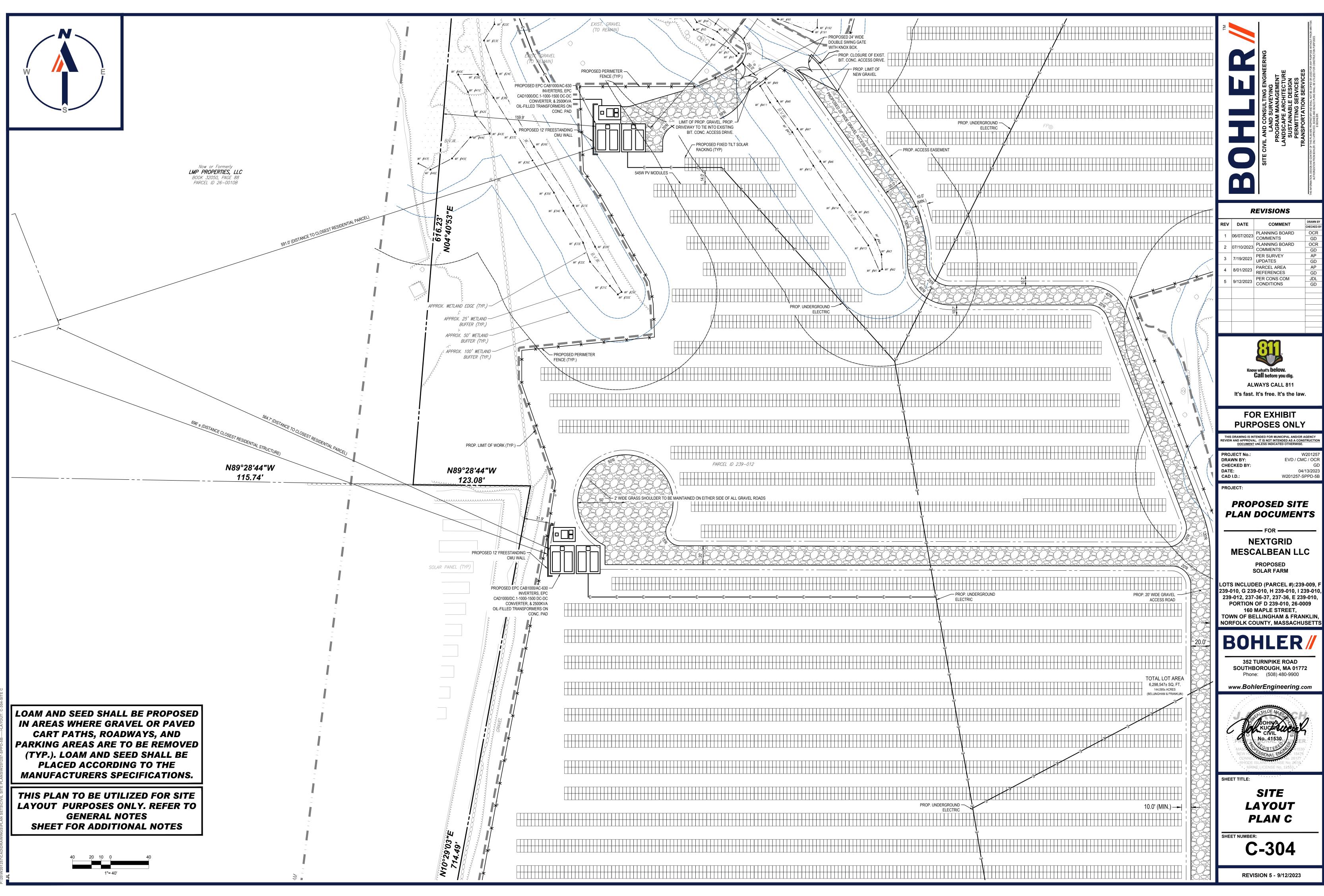
LOAM AND SEED SHALL BE PROPOSED IN AREAS WHERE GRAVEL OR PAVED CART PATHS, ROADWAYS, AND PARKING AREAS ARE TO BE REMOVED (TYP.). LOAM AND SEED SHALL BE PLACED ACCORDING TO THE MANUFACTURERS SPECIFICATIONS.

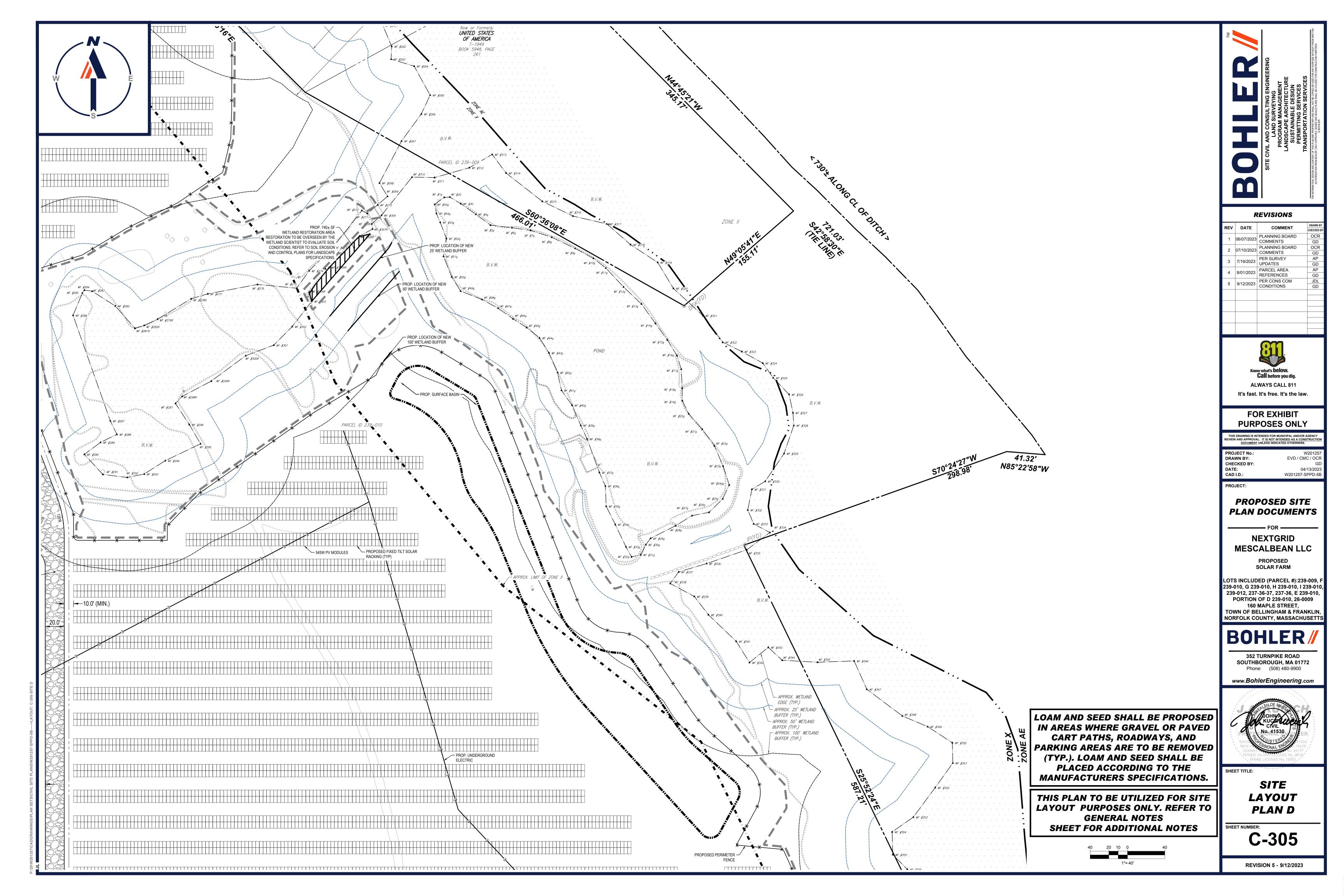
THIS PLAN TO BE UTILIZED FOR SITE LAYOUT PURPOSES ONLY. REFER TO SHEET FOR ADDITIONAL NOTES

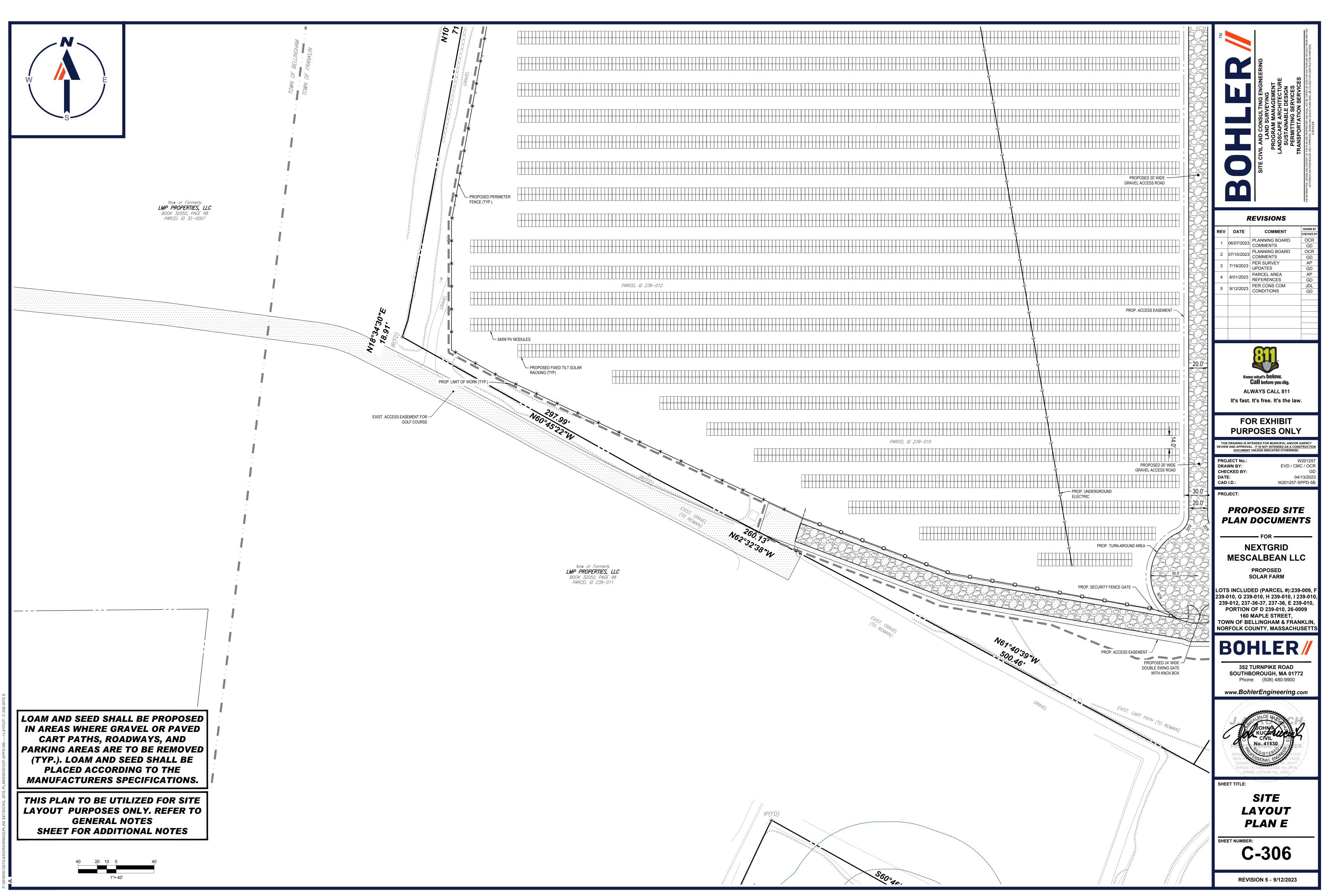


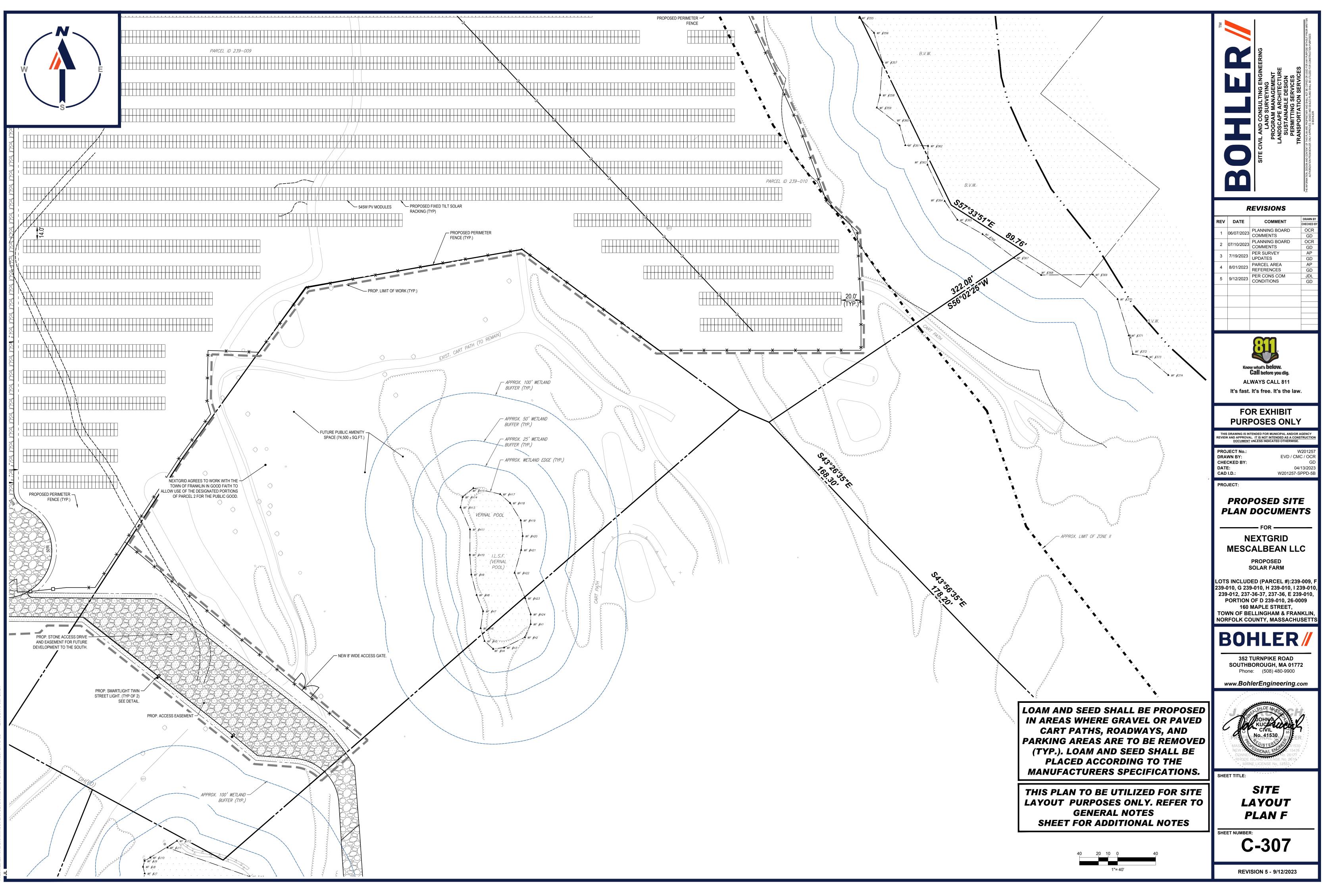


W201257\CAD\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\W201257-SPPD-5B----->LAYOUT: C-30







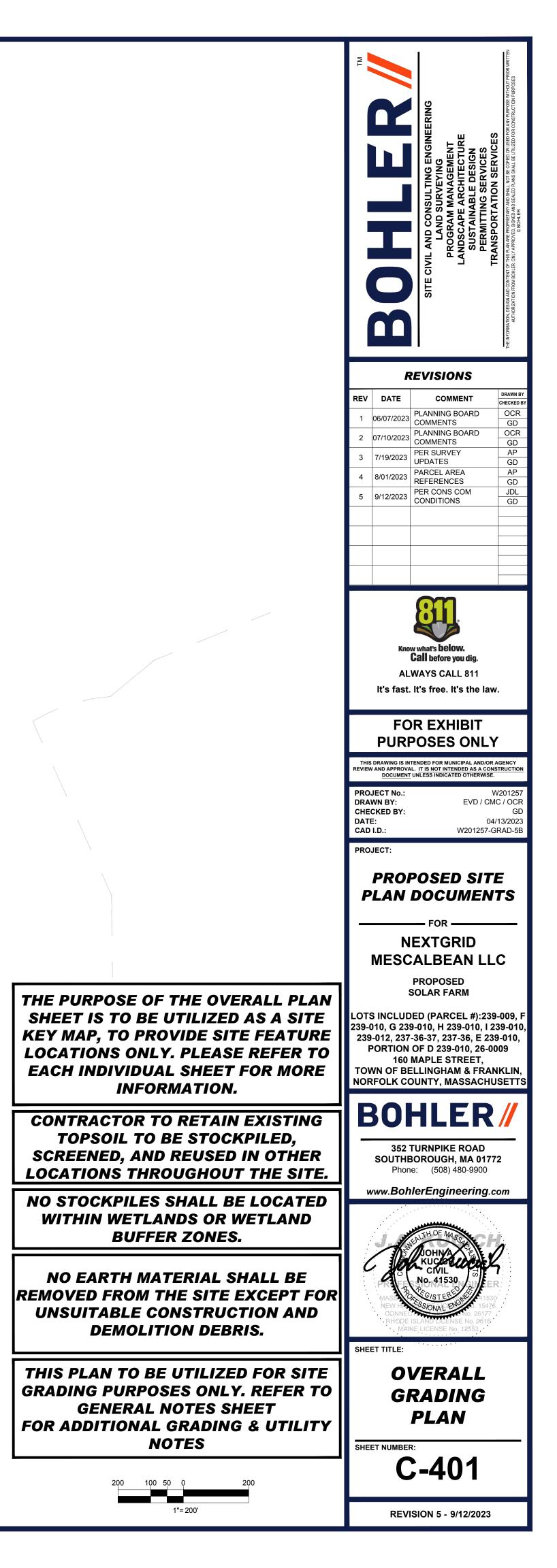


W201257/CAD\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\W201257-SPPD-5B----->LAYOUT:



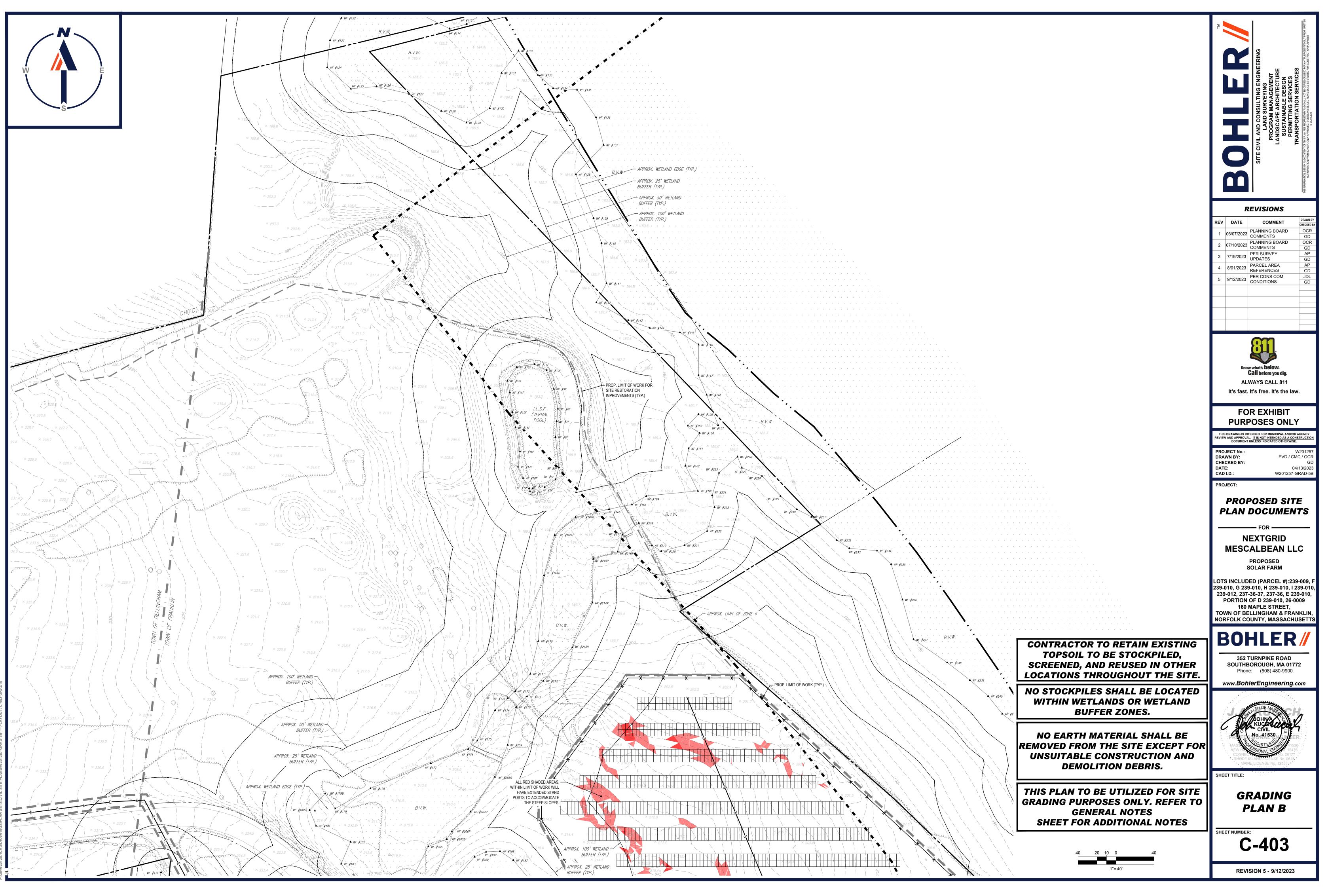


W201257/CADIDRAWINGS/PLAN SETS/CIVIL SITE PLANS/W201257-GRAD-5B----->LAYOUT: C-401 GRAD OVER4

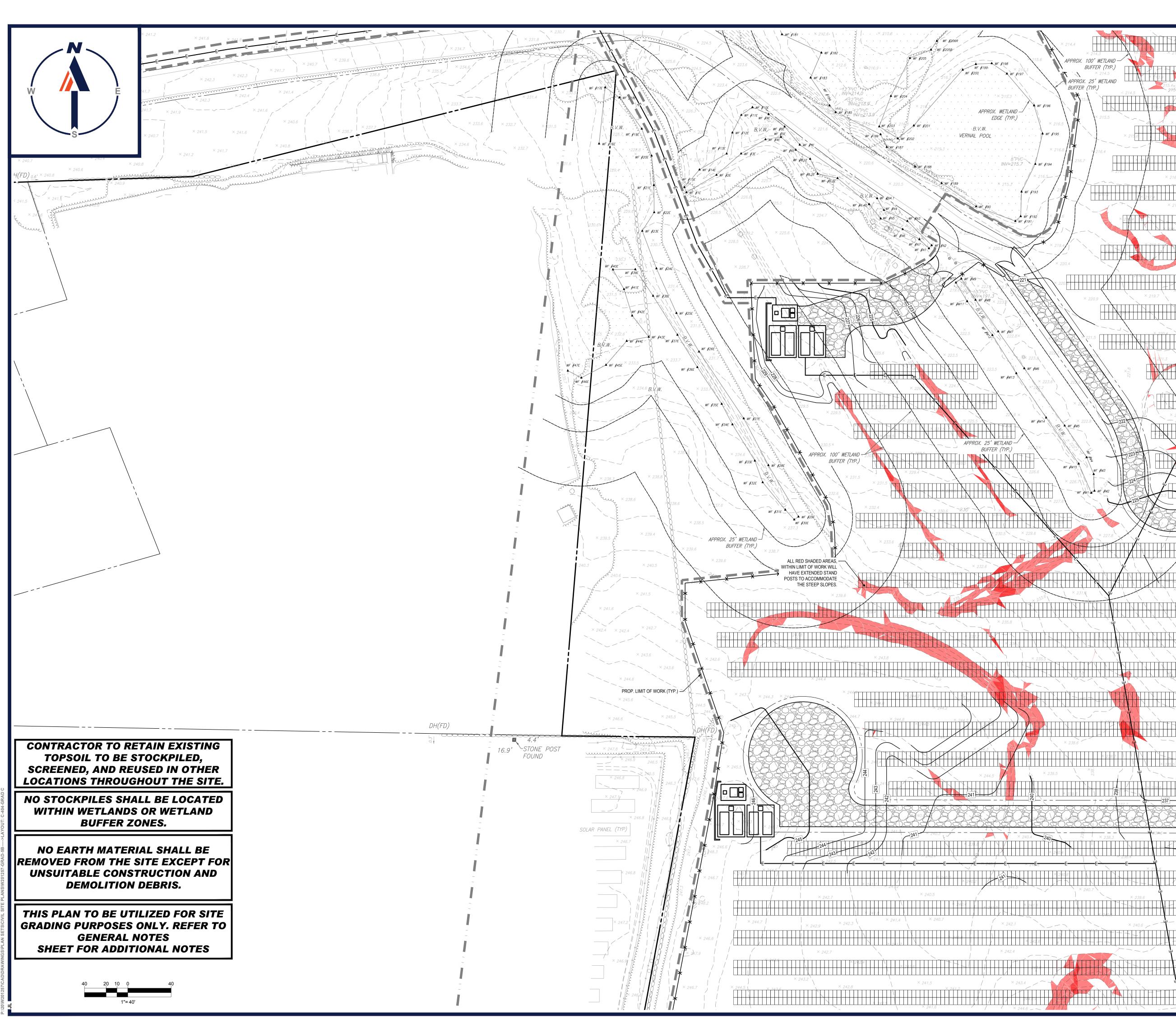




201257)CAD\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\W201257-GRAD-6B----->LAYOUT: C-402-GRAD A



201257/CAD\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\W201257-GRAD-5B----->LAYOUT: C-403-G



APPROX. 100' WETLAND ----BUFFER (TYP.) \* 213.4 APPROX. 25' WETLAND BUFFER (TYP.) 7.4 × 217.6 × 217.6 

**X** 

↔ **₩**F **#**M5

WF #M15

++++

HX X26 ШИЦ 220.5/ × 219.4 \WF #M3 -WF #M1 - WF #M2

× 239.5 TOTA 6,29 



**REVISION 5 - 9/12/2023** 



₩F #249 🔺 WF #250 × 198. \ 1 × • × . × 215.6 × 219.2 

WF #285

₩F #286

+ PROP. STONE RIP RAP

LEVEL SPREADER

TOP ELEV. = 218.00

BOTTOM ELEV. = 215.00

PROP. 5' WIDE STONE CHECK DAM

h

PROP. 5' WIDE EARTHEN

BERM ELEV. VARIES

WF #282

🔌 WF #287

🔺 WF #289

À ₩F #288 .

WF #291 WF #292 WF #293

× 222. PROP. 5' WIDE EARTHEN BERM ELEV. VARIES CHECK DAM × 221 4 × 220 \_\_\_\_\_ \_\_\_\_ 

× 208.X • ₩F #296 BUFFER (TYP.) WF #295 ALL RED SHADED AREAS, -WITHIN LIMIT OF WORK WILL HAVE EXTENDED STAND POSTS TO ACCOMMODATE THE STEEP SLOPES. ▲ WF #294 

ЦЦ 

🖌 WF #244

WF #245

🔌 WF #246

À ₩F #247

🔺 WF #248

B:V.W.

WF .#252

WF #253

▶₩F #254

× 199.5

WF #276

WF #300R

₩F #301

WF #277

WF #299R

WF #278R

🔺 wF #279R

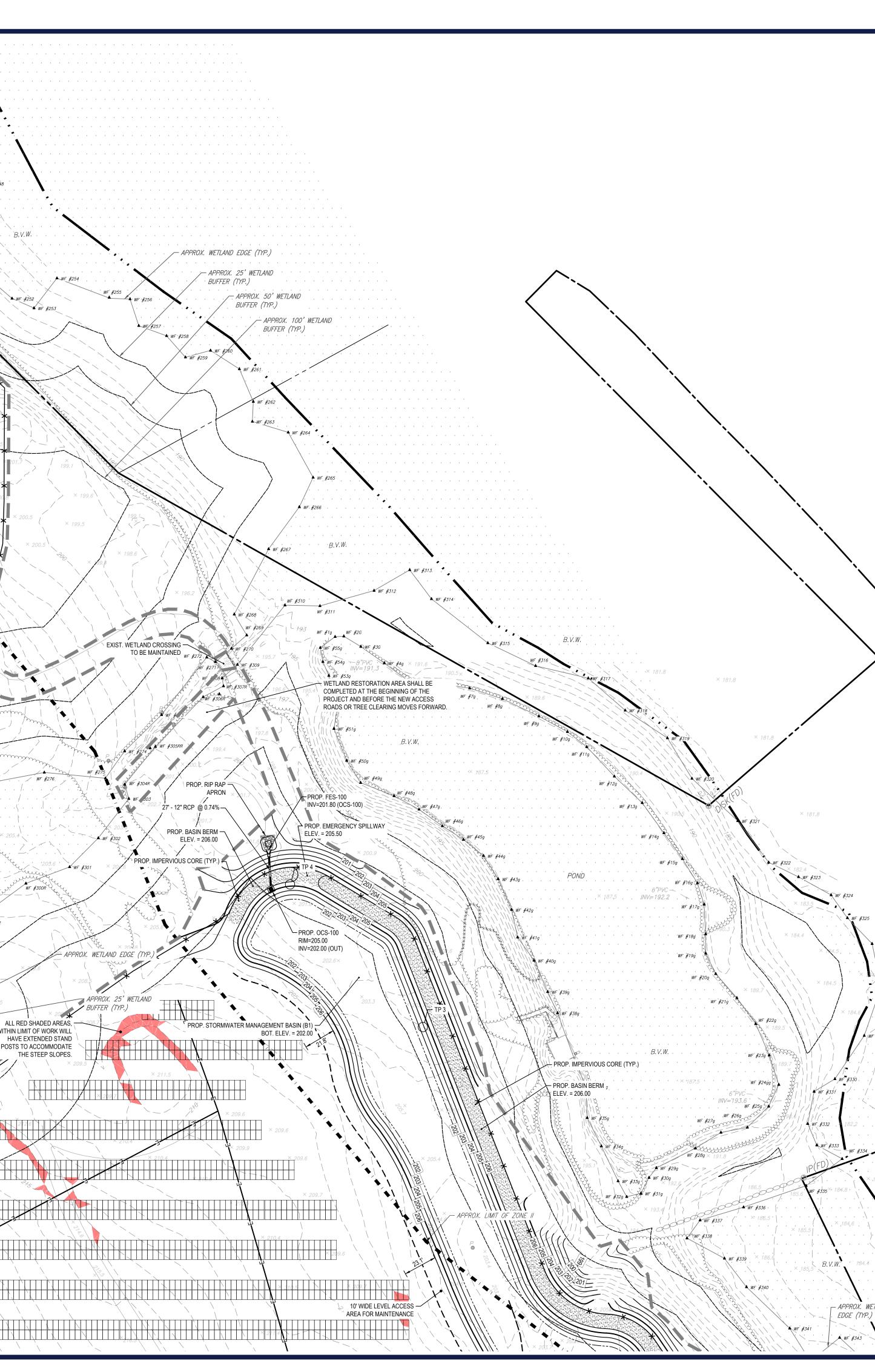
' WF' #297

WF #280R WF #281R

\ ×·208.2

\_\_\_\_\_*B.V.W.* 

X



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		REVISIONS
		REV     DATE     COMMENT     DRAWN BY CHECKED BY       1     06/07/2023     PLANNING BOARD COMMENTS     OCR       2     07/10/2023     PLANNING BOARD COMMENTS     OCR       3     7/19/2023     PER SURVEY UPDATES     AP       4     8/01/2023     PARCEL AREA REFERENCES     AD       5     9/12/2023     PER CONS COM CONDITIONS     JDL
		Know what's below. Call before you dig. ALWAYS CALL 811 It's fast. It's free. It's the law.
		FOR EXHIBIT PURPOSES ONLY
		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.:       W201257         DRAWN BY:       EVD / CMC / OCR         CHECKED BY:       GD         DATE:       04/13/2023         CAD I.D.:       W201257-GRAD-5B         PROJECT:       PROJECT:
		PLAN DOCUMENTS
5 WF #326 B.V.W. WF #327		LOTS INCLUDED (PARCEL #):239-009, F 239-010, G 239-010, H 239-010, I 239-010, 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010, 26-0009 160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS
₩F #328 ₩F #329 	CONTRACTOR TO RETAIN EXISTING TOPSOIL TO BE STOCKPILED, SCREENED, AND REUSED IN OTHER LOCATIONS THROUGHOUT THE SITE.	352 TURNPIKE ROAD SOUTHBOROUGH, MA 01772 Phone: (508) 480-9900 www.BohlerEngineering.com
182,4	NO STOCKPILES SHALL BE LOCATED WITHIN WETLANDS OR WETLAND BUFFER ZONES. NO EARTH MATERIAL SHALL BE	JOHNA JOHNA KUCCOLOCIC CIVIL No. 41530
× 183.6 × 183.6 × 183.5 × 182.7 × 181.8 × 181.8	REMOVED FROM THE SITE EXCEPT FOR UNSUITABLE CONSTRUCTION AND DEMOLITION DEBRIS.	MASS NEW HOUSSIONALCENSE No. 26177 RHODE ISLAND LICENSE No. 2616 MAINE LICENSE No. 12553
× 185.8	THIS PLAN TO BE UTILIZED FOR SITE GRADING PURPOSES ONLY. REFER TO GENERAL NOTES SHEET FOR ADDITIONAL NOTES	<b>GRADING</b> <b>PLAN D</b> SHEET NUMBER:
NETLAND	40 20 10 0 40	<b>C-405</b> REVISION 5 - 9/12/2023

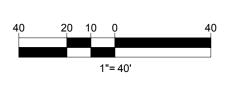


CONTRACTOR TO RETAIN EXISTING TOPSOIL TO BE STOCKPILED, SCREENED, AND REUSED IN OTHER LOCATIONS THROUGHOUT THE SITE.

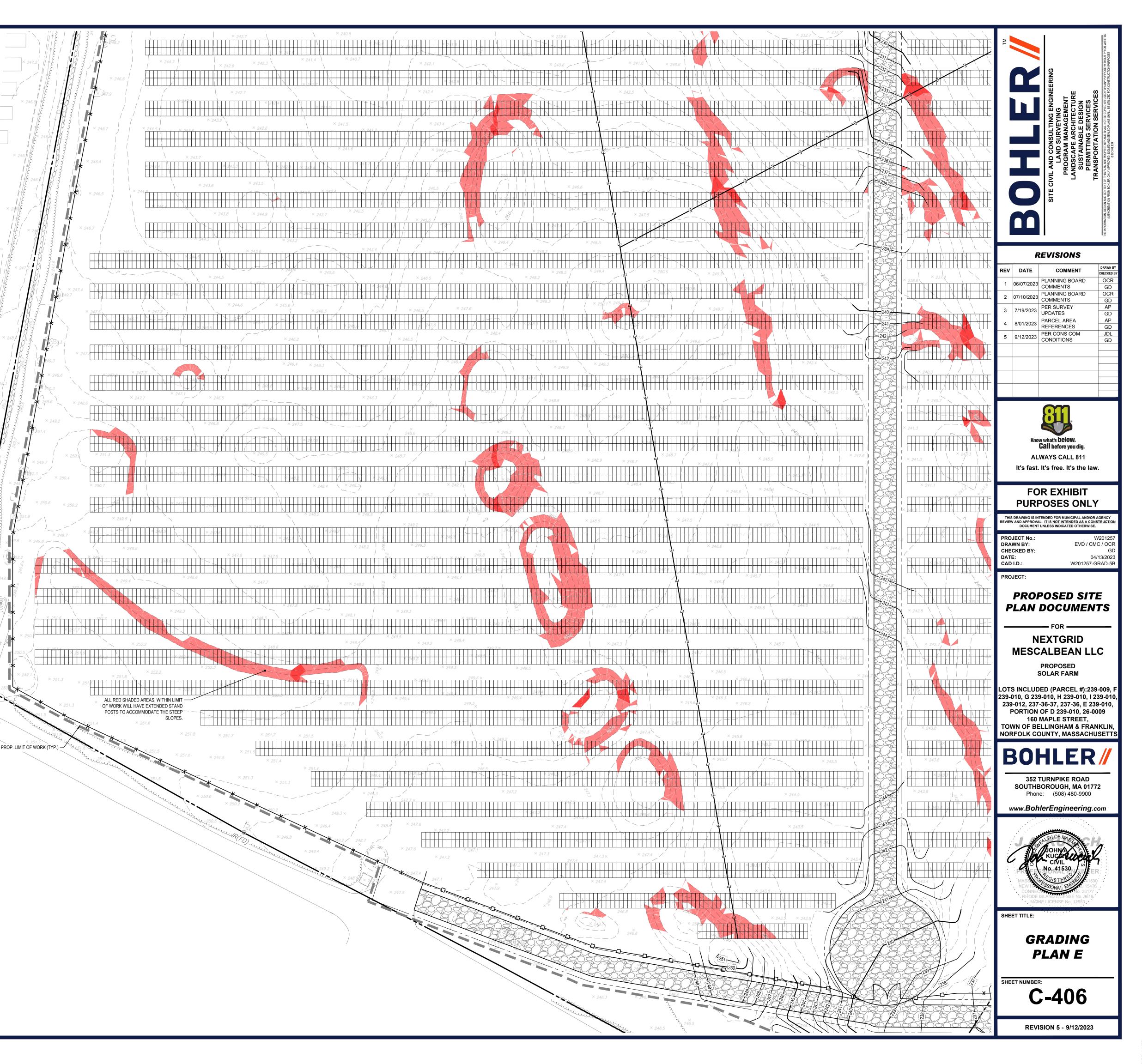
NO STOCKPILES SHALL BE LOCATED WITHIN WETLANDS OR WETLAND BUFFER ZONES.

NO EARTH MATERIAL SHALL BE REMOVED FROM THE SITE EXCEPT FOR UNSUITABLE CONSTRUCTION AND DEMOLITION DEBRIS.

THIS PLAN TO BE UTILIZED FOR SITE GRADING PURPOSES ONLY. REFER TO GENERAL NOTES SHEET FOR ADDITIONAL NOTES



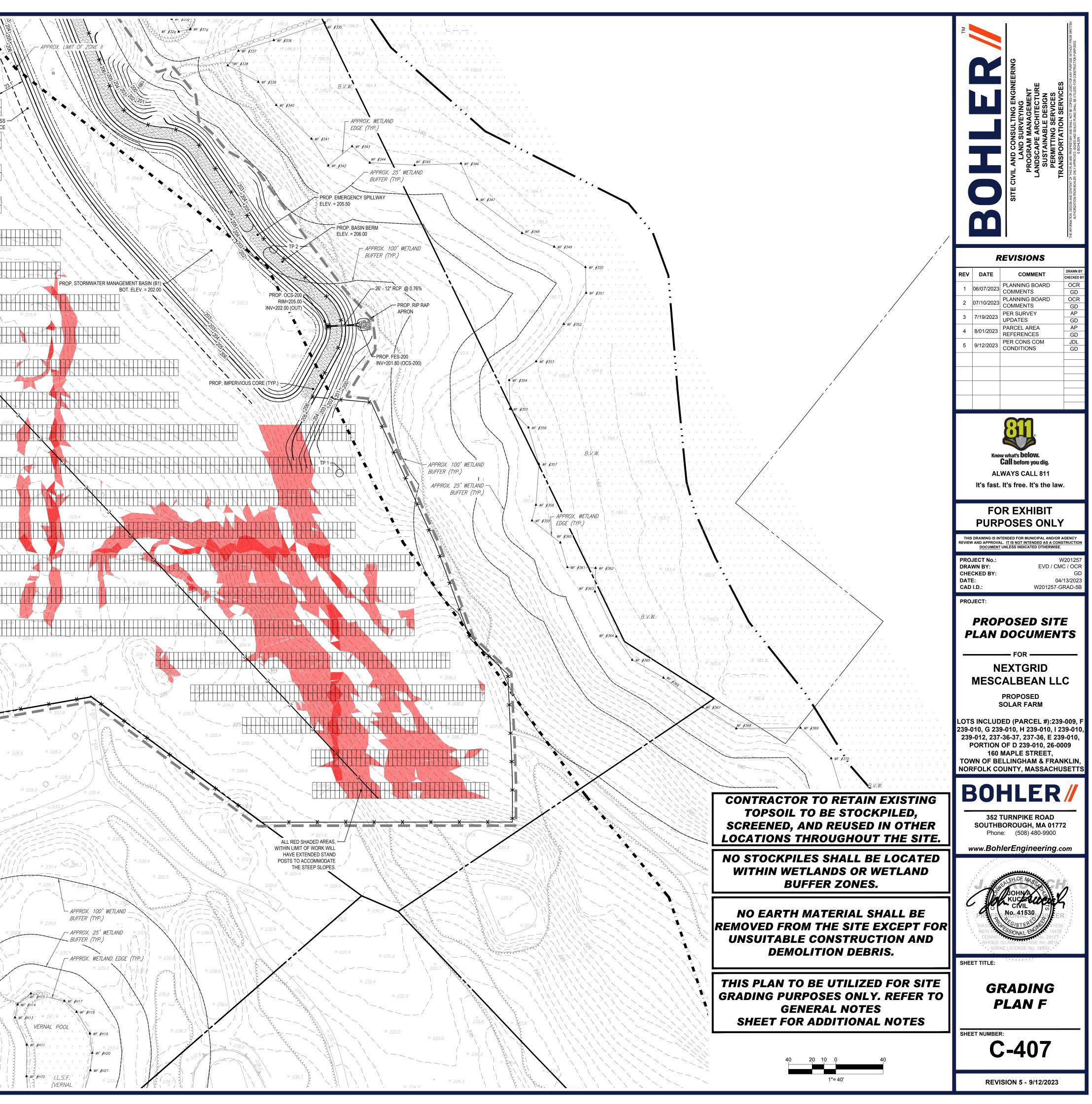
1257/CAD\DRAWINGS\PLAN SETS\CIVIL SITE PLANS\W201257-GRAD-5B----->LAYOUT: C-406-GRAD E

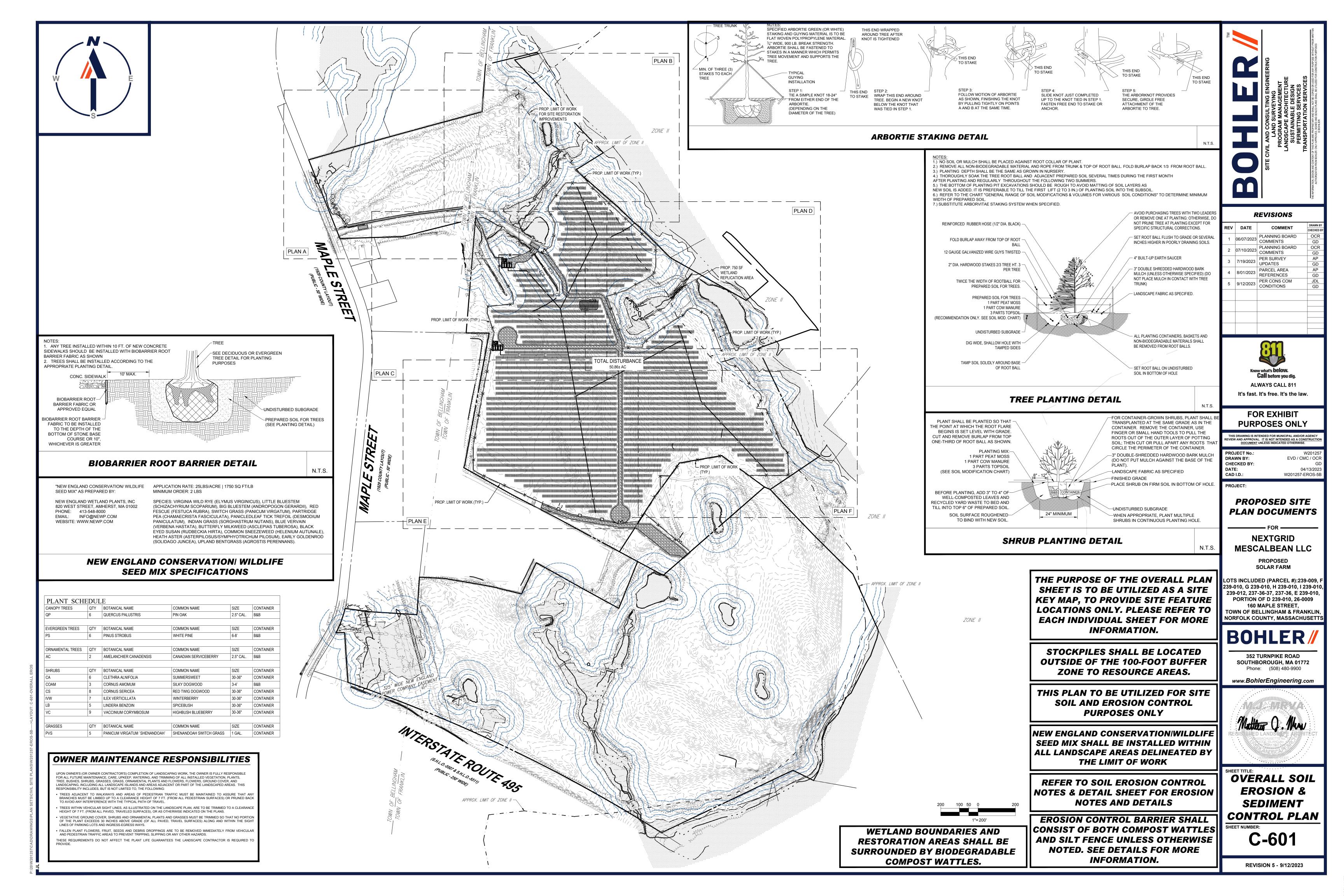


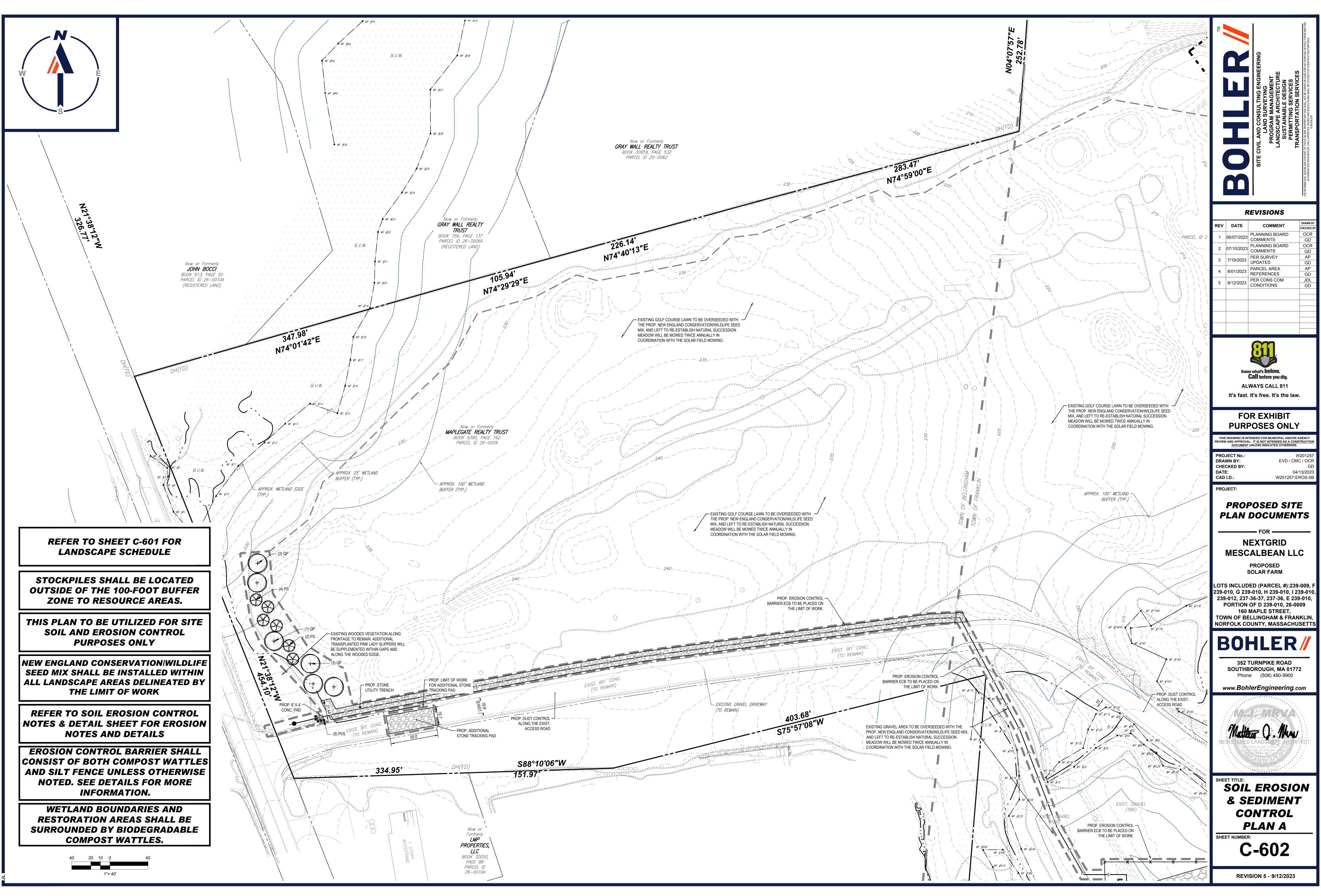


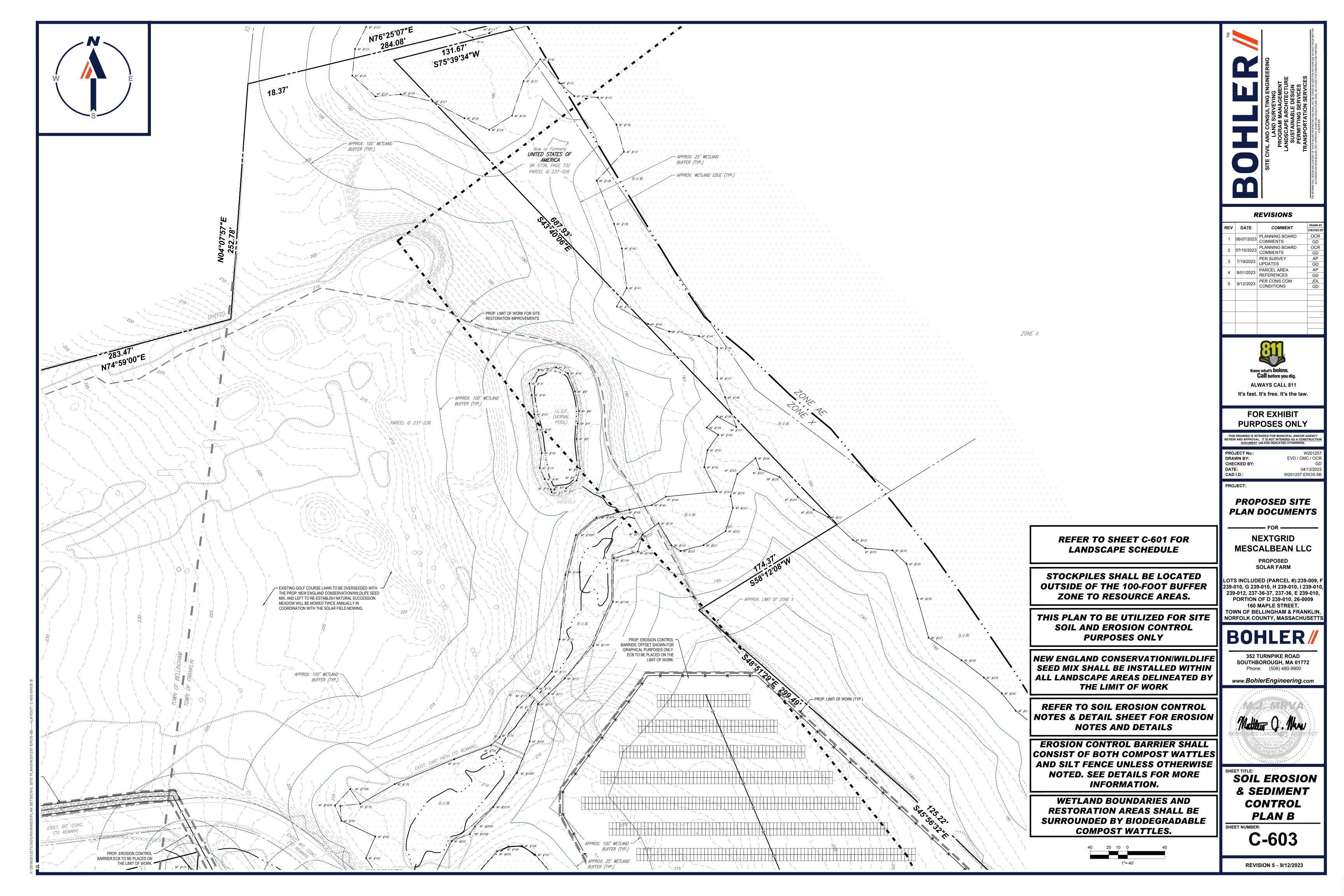
209.7 209.7 209.4 20

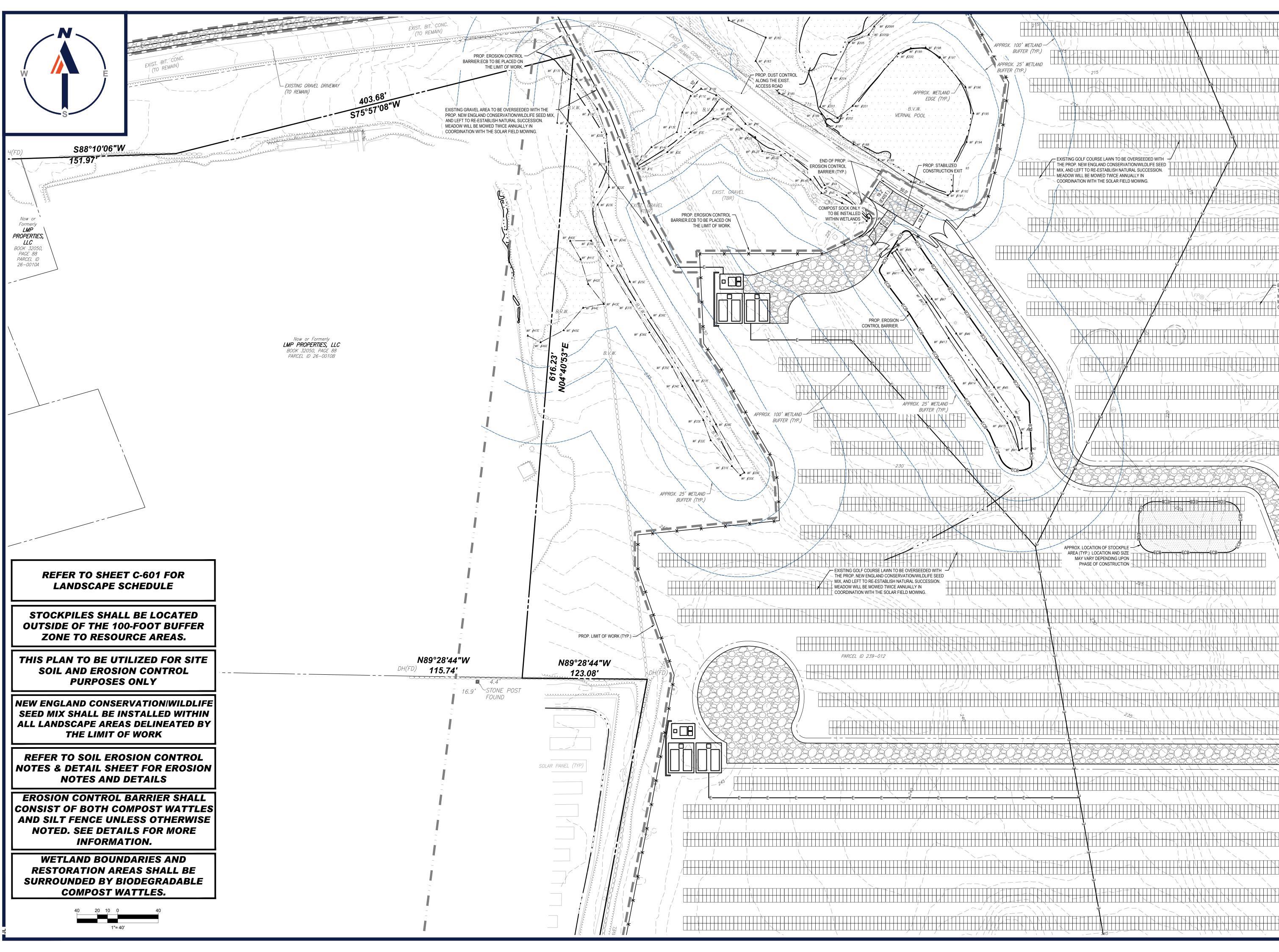
PROP LIMIT OF WORK (T

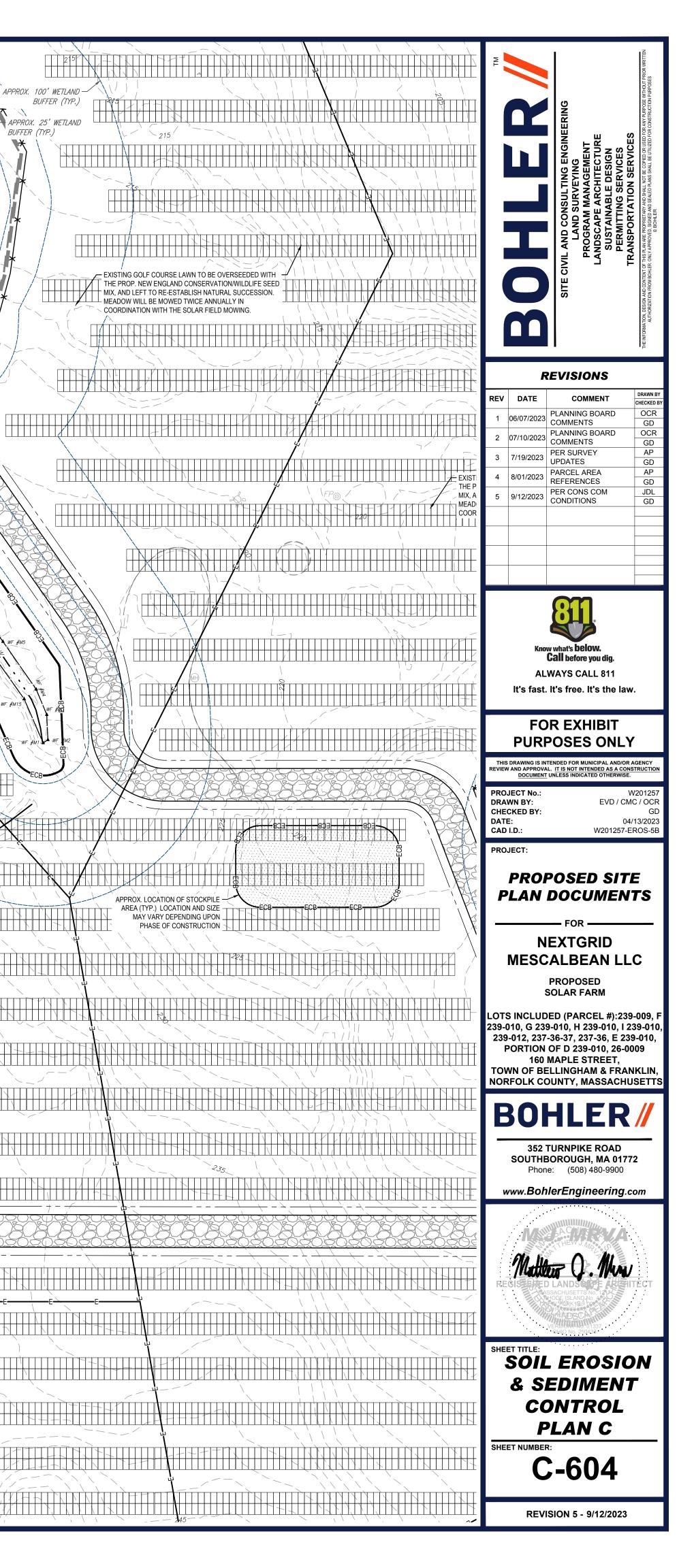














PARCEL ID 237 ╶╻╴╻┺┓╴ EXISTING GOLF COURSE LAWN TO BE OVERSEEDED WITH THE PROP. NEW ENGLAND CONSERVATION/WILDLIFE SEED MIX, AND LEFT TO RE-ESTABLISH NATURAL SUCCESSION. MEADOW WILL BE MOWED TWICE ANNUALLY IN COORDINATION WITH THE SOLAR FIELD MOWING. АНТИНИИ

PROP. EROSION CONTROL BARRIER. OFFSET SHOWN FOR GRAPHICAL PURPOSES ONLY. ECB TO BE PLACED ON THE LIMIT OF WORK.

WF #288 .

\_\_\_\_\_\_B.V.W.

291 WF #292 WF #293

- #289

WF #291

WF #284 WF #285

\_\_\_ / \_\_\_ / \_\_\_/ 

\_\_\_/ 1 5

MEADOW WILL BE MOWED TWICE ANNUALLY IN COORDINATION WITH THE SOLAR FIELD MOWING. 

₩F #244 <sup>`</sup>

WF #247

WF #249

WF #248

-06:17: 76:16:11

· B.V.₩.

₩F #253

(2) I B

PROP. LIMIT OF SEEDING FOR

CONSERVATION/WILDLIFE SEED MIX FOR WETLAND

REPLICATION AREA OVER

₩F #299R

 $\mathcal{O}$ 

' WF #297

**FWF** #298R

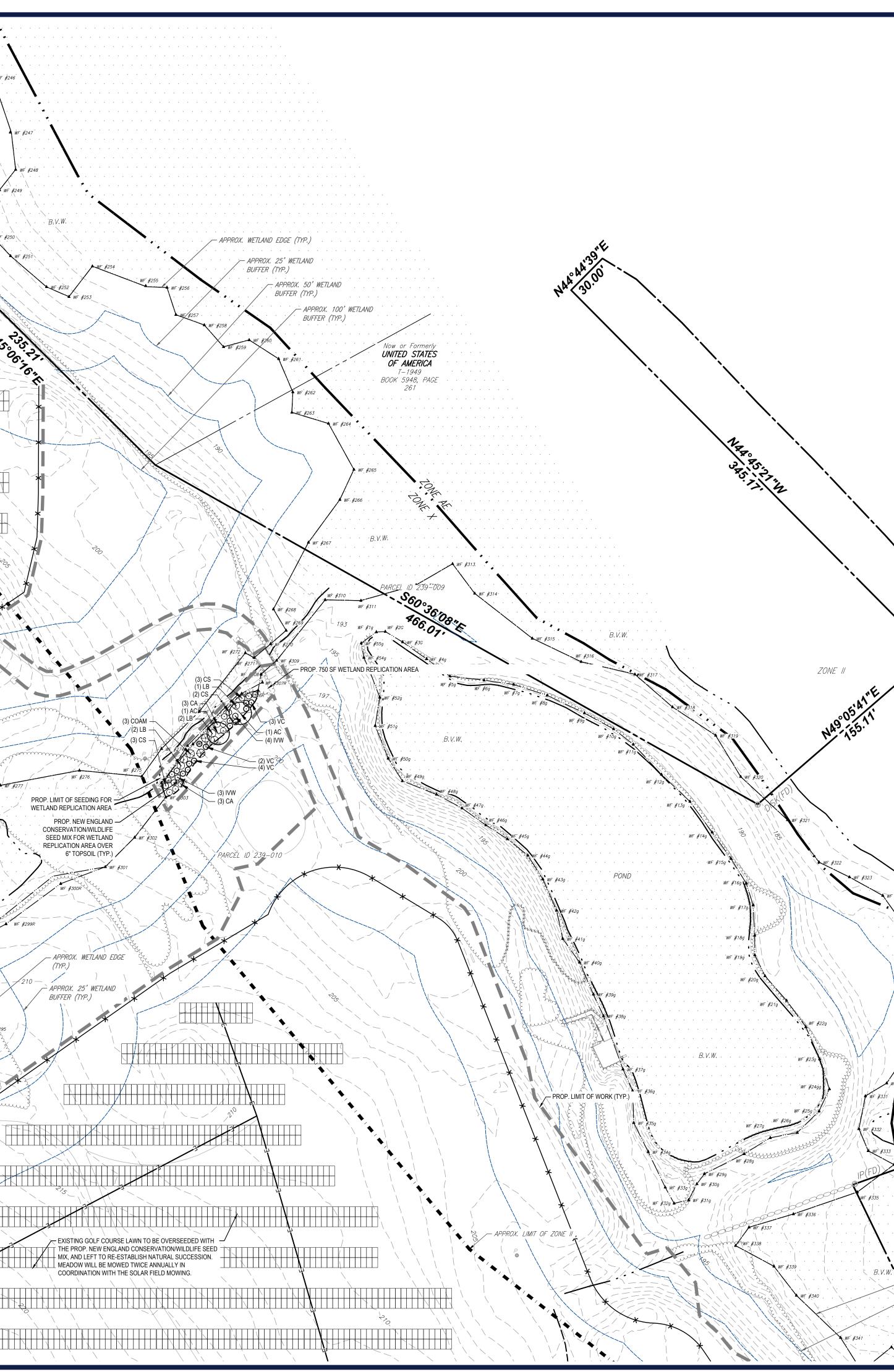
PROP. NEW ENGLAND

- APPROX. WETLAND EDGE

×

– APPROX. 25' WETLAND BUFFER (TYP.)

(TYP.)



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		REVISIONS           REVISIONS           REV         DATE         COMMENT         DRAWN BY CHECKED BY
		106/07/2023PLANNING BOARD COMMENTSOCR GD207/10/2023PLANNING BOARD COMMENTSOCR 
C 130, K PLONG CLOR C 130, K PLONG CLOR C 150, CLOR C 150, CLOR C 150, CLOR C 150, CLOR		Know what's below. Call before you dig. ALWAYS CALL 811 It's fast. It's free. It's the law.
NG CL OK	, O,	FOR EXHIBIT PURPOSES ONLY
S473,03. (1)11,15,03. (1)11,15,03. (1)11,15,15,03.	CH-J	REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.         PROJECT No.:       W201257         DRAWN BY:       EVD / CMC / OCR         CHECKED BY:       GD         DATE:       04/13/2023         CAD I.D.:       W201257-EROS-5B
		PROJECT: PROPOSED SITE PLAN DOCUMENTS
	REFER TO SHEET C-601 FOR LANDSCAPE SCHEDULE	FOR
WF #324 WF #325	STOCKPILES SHALL BE LOCATED OUTSIDE OF THE 100-FOOT BUFFER ZONE TO RESOURCE AREAS.	SOLAR FARM LOTS INCLUDED (PARCEL #):239-009, F 239-010, G 239-010, H 239-010, I 239-010, 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010, 26-0009
WF #326 B.V.W. WF #327 WF #328	THIS PLAN TO BE UTILIZED FOR SITE SOIL AND EROSION CONTROL PURPOSES ONLY	160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS <b>BOHLER</b>
	NEW ENGLAND CONSERVATION/WILDLIFE SEED MIX SHALL BE INSTALLED WITHIN ALL LANDSCAPE AREAS DELINEATED BY THE LIMIT OF WORK	352 TURNPIKE ROAD SOUTHBOROUGH, MA 01772 Phone: (508) 480-9900 www.BohlerEngineering.com
	REFER TO SOIL EROSION CONTROL NOTES & DETAIL SHEET FOR EROSION NOTES AND DETAILS	Malleor Q. Mar
#333 WF #334	EROSION CONTROL BARRIER SHALL CONSIST OF BOTH COMPOST WATTLES AND SILT FENCE UNLESS OTHERWISE	REGISERED LANDSONTE ARTHITECT
	NOTED. SEE DETAILS FOR MORE INFORMATION. WETLAND BOUNDARIES AND RESTORATION AREAS SHALL BE	SOIL EROSION & SEDIMENT CONTROL
APPROX. WETLAND EDGE (TYP.) APPROX. 25' WETLAND BUFFER (TYP.)	SURROUNDED BY BIODEGRADABLE COMPOST WATTLES.	PLAN D SHEET NUMBER: C-605
	40 20 10 0 40 1"= 40'	REVISION 5 - 9/12/2023



REFER TO SHEET C-601 FOR LANDSCAPE SCHEDULE

Now or Formerl

LMP PROPERTIES, LLC BOOK 32050, PAGE 98 PARCEL ID 32-0007

STOCKPILES SHALL BE LOCATED OUTSIDE OF THE 100-FOOT BUFFER ZONE TO RESOURCE AREAS.

THIS PLAN TO BE UTILIZED FOR SITE SOIL AND EROSION CONTROL PURPOSES ONLY

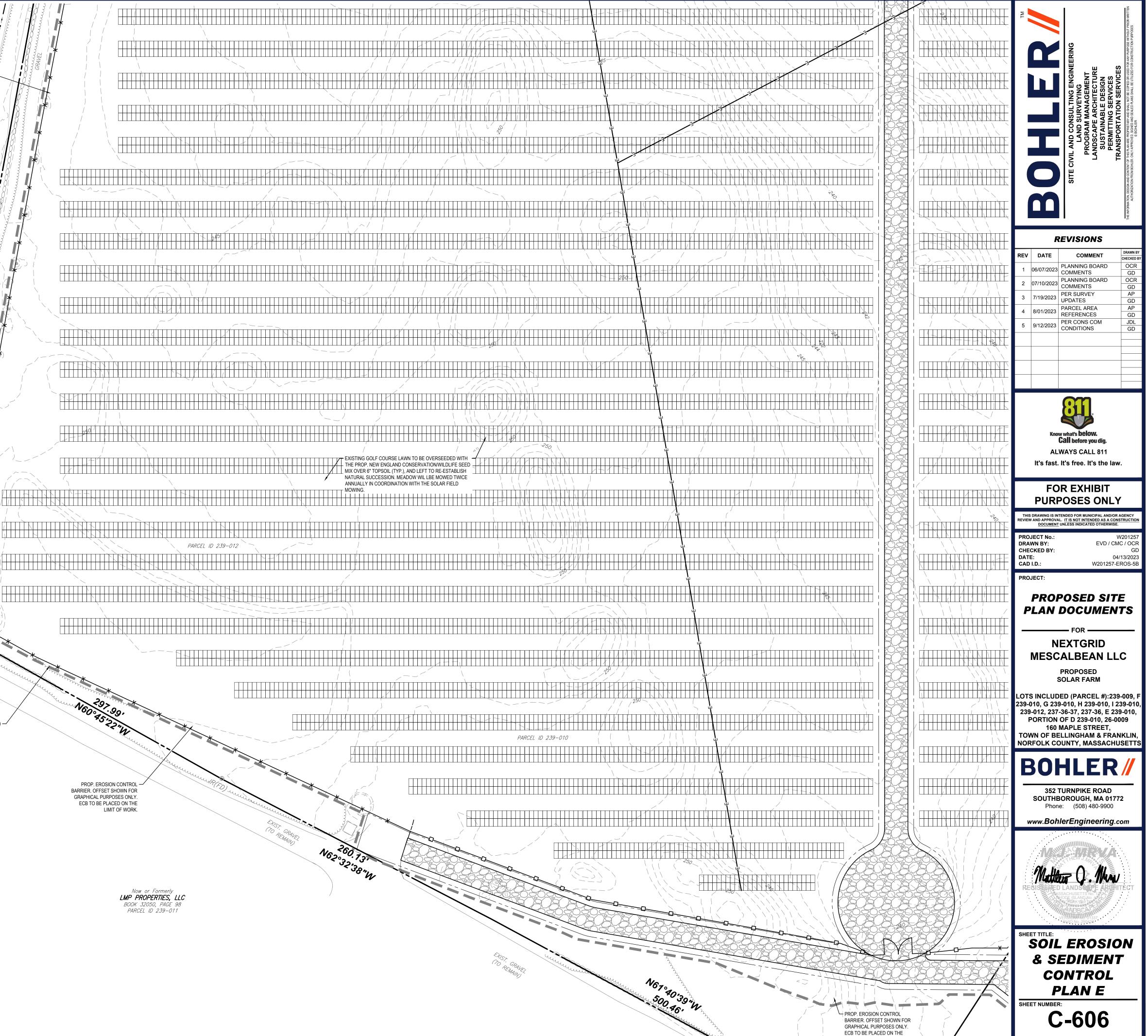
NEW ENGLAND CONSERVATION/WILDLIFE SEED MIX SHALL BE INSTALLED WITHIN ALL LANDSCAPE AREAS DELINEATED BY THE LIMIT OF WORK

REFER TO SOIL EROSION CONTROL NOTES & DETAIL SHEET FOR EROSION NOTES AND DETAILS

EROSION CONTROL BARRIER SHALL CONSIST OF BOTH COMPOST WATTLES AND SILT FENCE UNLESS OTHERWISE NOTED. SEE DETAILS FOR MORE INFORMATION.

WETLAND BOUNDARIES AND RESTORATION AREAS SHALL BE SURROUNDED BY BIODEGRADABLE COMPOST WATTLES.

PROP. EROSION CONTROL -BARRIER. OFFSET SHOWN FOR GRAPHICAL PURPOSES ONLY. ECB TO BE PLACED ON THE LIMIT OF WORK. ĘЦ :9'03' 78°34'30 18.97' PROP. LIMIT OF WORK (TYP.) -

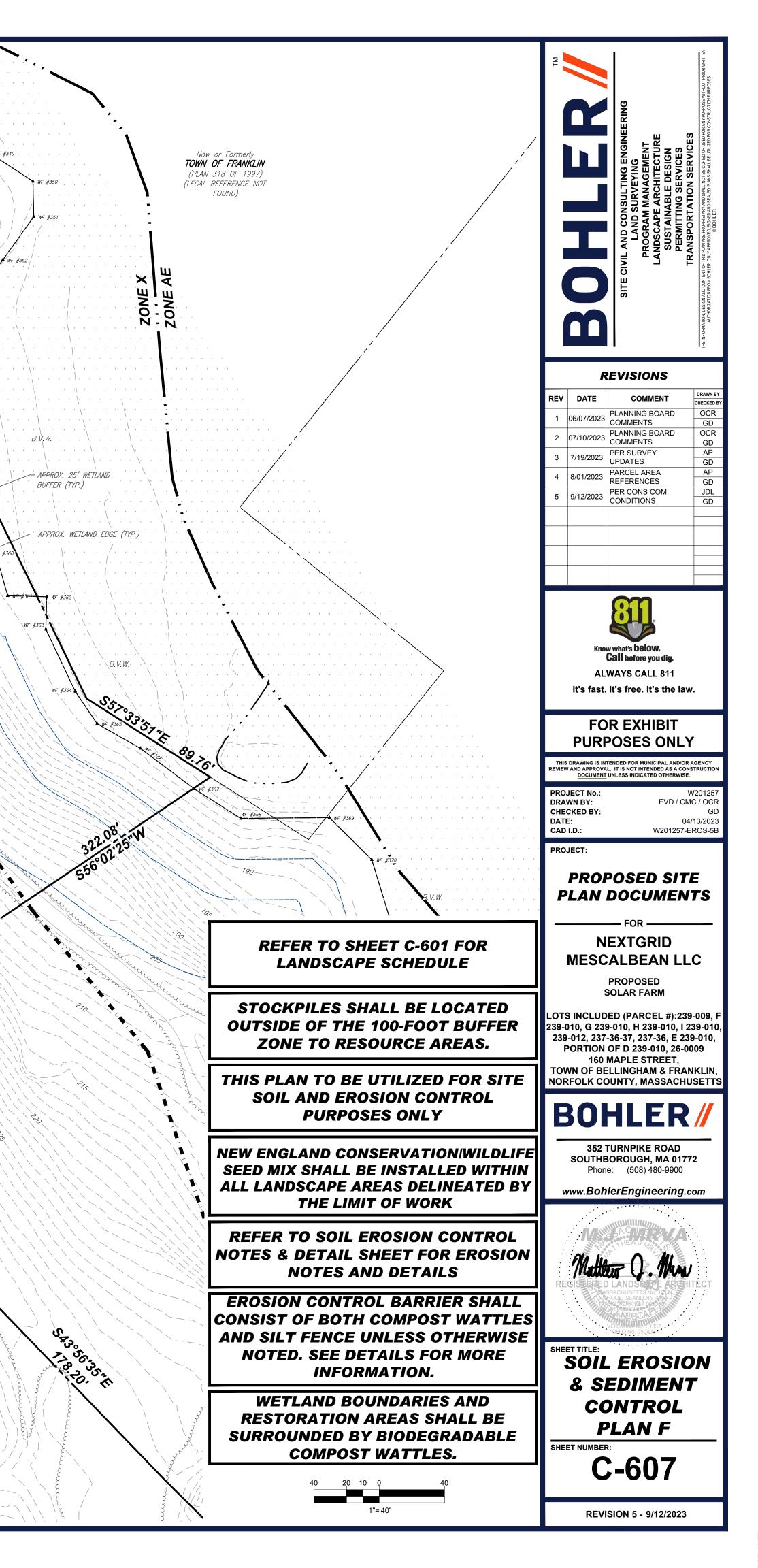


REVISION 5 - 9/12/2023

LIMIT OF WORK.



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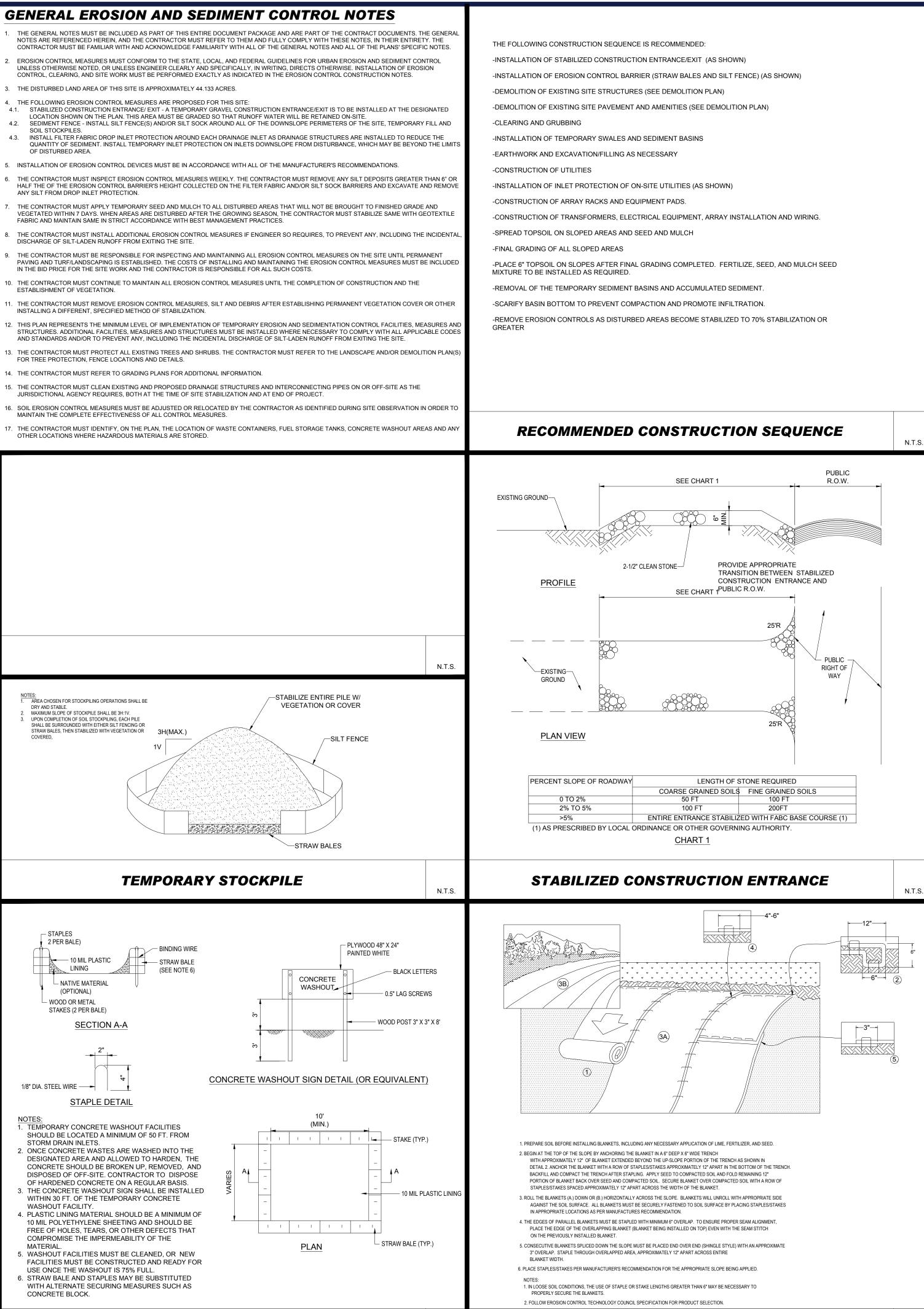
WF #359

2.	MINIMUM TIME. AREAS SHALL BI AT A MINIMUM, AREAS SHALL BE POLLUTION PREVENTION PLAN DAYS OF FINAL GRADING AND T	CTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREAT E PERMANENTLY STABILIZED IN ACCORDANCE WITH E PERMANENTLY STABILIZED ACCORDING TO THE CL (SWPPP), OR IN THE ABSENCE OF A SWPPP, THEY SH EMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL ET OF A STREAM OR POND, THE AREA SHALL BE STA CLUDE WETLANDS).	LOCAL, STATE, AND FEDERAL REQUIREMENTS. IRRENT EDITION OF THE STORMWATER IALL BE PERMANENTLY STABILIZED WITHIN 14 . DISTURBANCE OF THE SOIL. IF THE	<ol> <li>EROSION CONTROL MEASURES MUST CONFORM TO THE STATE, LC UNLESS OTHERWISE NOTED, OR UNLESS ENGINEER CLEARLY AND CONTROL, CLEARING, AND SITE WORK MUST BE PERFORMED EXAC</li> <li>THE DISTURBED LAND AREA OF THIS SITE IS APPROXIMATELY 44.13</li> <li>THE FOLLOWING EROSION CONTROL MEASURES ARE PROPOSED F 4.1. STABILIZED CONSTRUCTION ENTRANCE/ EXIT - A TEMPORARY (</li> </ol>
3.	SEDIMENT BARRIERS (SILT FEN	CE, STRAW BARRIERS, ETC.) SHOULD BE INSTALLED A ABOVE THEM. MULCH NETTING SHALL BE USED TO		<ul> <li>4.1. STABILIZED CONSTRUCTION ENTRANCE/ EXIT - A TEMPORARY I LOCATION SHOWN ON THE PLAN. THIS AREA MUST BE GRADED</li> <li>4.2. SEDIMENT FENCE - INSTALL SILT FENCE(S) AND/OR SILT SOCK SOIL STOCKPILES.</li> <li>4.3. INSTALL FILTER FABRIC DROP INLET PROTECTION AROUND EAU</li> </ul>
4.	INSTALL SILTATION BARRIER AT	TOE OF SLOPE TO FILTER SILT FROM RUNOFF. SEE IER WILL REMAIN IN PLACE PER NOTE #5.	SILTATION BARRIER DETAILS FOR PROPER	<ul> <li>4.3. INSTALL FILTER FABRIC DROP INLET PROTECTION AROUND EA QUANTITY OF SEDIMENT. INSTALL TEMPORARY INLET PROTEC OF DISTURBED AREA.</li> <li>5. INSTALLATION OF EROSION CONTROL DEVICES MUST BE IN ACCOR</li> </ul>
5.	FOLLOWING ANY SIGNIFICANT F OR DECOMPOSITION. SEDIMENT DEPOSITS REACH APPROXIMAT AND BE MAINTAINED BY THE CO DEVICES THAT ARE WITHIN ARE	TURES WILL BE INSPECTED, REPLACED AND/OR REP AINFALL OR SNOW MELT OR WHEN NO LONGER SER T DEPOSITS SHOULD BE REMOVED AFTER EACH STO ELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMI INTRACTOR UNTIL AREAS UPSLOPE ARE PERMANEN AS SUBJECT TO CONSERVATION COMMISSION JURIS NCE WITH THE ORDER OF CONDITIONS.	VICEABLE DUE TO SEDIMENT ACCUMULATION RM EVENT. THEY MUST BE REMOVED WHEN ENT CONTROL DEVICES SHALL REMAIN IN PLACE TLY STABILIZED. FOR SEDIMENT CONTROL	<ol> <li>THE CONTRACTOR MUST INSPECT EROSION CONTROL MEASURES HALF THE OF THE EROSION CONTROL BARRIER'S HEIGHT COLLECT ANY SILT FROM DROP INLET PROTECTION.</li> <li>THE CONTRACTOR MUST APPLY TEMPORARY SEED AND MULCH TO VEGETATED WITHIN 7 DAYS. WHEN AREAS ARE DISTURBED AFTER FABRIC AND MAINTAIN SAME IN STRICT ACCORDANCE WITH BEST M</li> </ol>
6.		IT OR TEMPORARY, SHALL BE STEEPER THAN TWO T N FOR SLOPES GREATER THAN 2:1 SHALL BE DESIGN		<ol> <li>8. THE CONTRACTOR MUST INSTALL ADDITIONAL EROSION CONTROL DISCHARGE OF SILT-LADEN RUNOFF FROM EXITING THE SITE.</li> <li>9. THE CONTRACTOR MUST BE RESPONSIBLE FOR INSPECTING AND M</li> </ol>
7.		IRBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO Y BE ATTEMPTED AS WELL) TO PROTECT THE SITE A DD.		<ul> <li>PAVING AND TURF/LANDSCAPING IS ESTABLISHED. THE COSTS OF IN THE BID PRICE FOR THE SITE WORK AND THE CONTRACTOR IS R</li> <li>10. THE CONTRACTOR MUST CONTINUE TO MAINTAIN ALL EROSION CONTRACTOR MUST MUSTACTOR MUST CONTRACTOR MUST C</li></ul>
8.		JRBED AREAS THAT HAVE NOT BEEN FINAL GRADED ECT FROM SPRING RUNOFF PROBLEMS.	SHALL BE COMPLETED 45 DAYS PRIOR TO THE	ESTABLISHMENT OF VEGETATION. 11. THE CONTRACTOR MUST REMOVE EROSION CONTROL MEASURES, INSTALLING A DIFFERENT, SPECIFIED METHOD OF STABILIZATION.
9.	DURING THE CONSTRUCTION PILOCAL, STATE, AND FEDERAL S	HASE, INTERCEPTED SEDIMENT SHALL BE REMOVED TANDARDS.	AND DISPOSED OF IN ACCORDANCE WITH	12. THIS PLAN REPRESENTS THE MINIMUM LEVEL OF IMPLEMENTATION STRUCTURES. ADDITIONAL FACILITIES, MEASURES AND STRUCTUR AND STANDARDS AND/OR TO PREVENT ANY, INCLUDING THE INCIDE
10.	AREAS NOT OTHERWISE STABIL	L COMMENCE UPON COMPLETION OF CONSTRUCTIC IZED WILL BE GRADED, SMOOTHED, AND PREPARED ECIFIED ON THE LANDSCAPE PLAN, OF LOAM WILL B	FOR FINAL SEEDING AS FOLLOWS:	13. THE CONTRACTOR MUST PROTECT ALL EXISTING TREES AND SHRU FOR TREE PROTECTION, FENCE LOCATIONS AND DETAILS.
	10.2. APPLY LIMESTONE AND FI SITES, OR WHERE TIMING USING 10-20-20 OR EQUIV/ RATE OF 3 TONS PER ACR	ERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTIN IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RA ALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO E (138 LB PER1,000 SF).	ATE OF 800 LB PER ACRE OR 18.4 LB PER 1,000 SF 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A	<ol> <li>THE CONTRACTOR MUST REFER TO GRADING PLANS FOR ADDITION</li> <li>THE CONTRACTOR MUST CLEAN EXISTING AND PROPOSED DRAINA JURISDICTIONAL AGENCY REQUIRES, BOTH AT THE TIME OF SITE S</li> </ol>
	FESCUE, 5% REDTOP, ANE KENTUCKY BLUE-GRASS, 4 SF LAWN. QUALITY SOD M THAN 3:1 SHOULD BE PEG		DED TO A PREMIUM TURF MIXTURE OF 44% YEGRASS: SEEDING RATE IS 1.03 LBS PER 1,000 NOT EXCEED 2:1, SOD ON SLOPES STEEPER	<ol> <li>SOIL EROSION CONTROL MEASURES MUST BE ADJUSTED OR RELO MAINTAIN THE COMPLETE EFFECTIVENESS OF ALL CONTROL MEAS</li> <li>THE CONTRACTOR MUST IDENTIFY, ON THE PLAN, THE LOCATION C OTHER LOCATIONS WHERE HAZARDOUS MATERIALS ARE STORED.</li> </ol>
	FOLLOWING SEEDING. A S	TE OF 70-90 LBS PER 1,000 SF. A HYDRO-APPLICATIO	W MULCH FOR WIND CONTROL.	
11.	MEASURES THAT ARE WITHIN A	ITROL MEASURES SHALL BE REMOVED ONCE THE SI REAS SUBJECT TO CONSERVATION COMMISSION JU CORDANCE WITH THE ORDER OF CONDITIONS.		
12.	WETLANDS WILL BE PROTECTED THEREOF.	D WITH BARRIERS CONSISTING OF STRAW BALES, CO	DMPOST TUBES, SILT FENCE OR A COMBINATION	
	ALL AREAS WITHIN 100 FEET OF	A FLAGGED WETLAND OR STREAM SHALL HAVE AN		
	PRIOR TO EACH STORM IF NOT	MULCH	MULCH RATE (1000 SF)	
	PROTECTED AREA WINDY AREA	STRAW SHREDDED OR CHOPPED CORNSTALKS	100 POUNDS 185-275 POUNDS	
	MODERATE TO HIGH VELOCITY AREAS OR STEEP SLOPES GREATEI	STRAW (ANCHORED)* JUTE MESH OR EXCELSIOR MAT R	100 POUNDS AS REQUIRED	
L	THAN 3:1 GREATER THAN 3:1	(REFER TO GEOTECHNICAL REPORT FOR FINAL	DESIGN REQUIREMENT)	
L	* A HYDRO-APPLICATION OF WC BE USED TO ADDITIONAL WIND (	OOD OR PAPER FIBER MAY BE APPLIED FOLLOWING S CONTROL.	EEDING. A SUITABLE NON-TOXIC BINDER SHALL	
L	CELLULOSE FIBER (750 LBS/ACF	MULCH WITH PEG AND TWINE (1 SQ. YD/BLOCK); MUL RE); CHEMICAL TACK (AS PER MANUFACTURER'S SPE AS AND ROAD DITCHES MAY BE PERMITTED.		NOTES: 1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE. 2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 3H:1V.
15.		FACE STORMWATER MANAGEMENT BASINS CAN BE ENT TRAPS SHALL BE SIZED AND CONSTRUCTED IN /		3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAW BALES, THEN STABILIZED WITH VEGETATION OR COVERED,
	SEDIMENT CONTROL GUIE TRIBUTARY AREA WITH A 5 FT IN HEIGHT. UPON SIT TRAP EXCAVATED TO 1 FO	RAPS SHALL BE SIZED PER THE CURRENT EDITION O DELINES FOR URBAN AND SUBURBAN AREAS" AND PF MAXIMUM TRIBUTARY AREA OF 5 ACRES, MAINTAIN A E STABILIZATION, ACCUMULATED SEDIMENT SHALL E DOT BELOW THE TRAP. THE AREA SHALL THEN BE SC AND GRADED AND STABILIZED IN ACCORDANCE WITH	ROVIDE A MINIMUM OF 1,800 CF PER ACRE OF 2:1 LENGTH TO WIDTH RATIO, AND NOT EXCEED BE REMOVED AND THE TEMPORARY SEDIMENT ARIFIED TO PREVENT COMPACTION AND	
16.	STOCKPILING OF MATERIALS (D	IRT, WOOD, CONSTRUCTION MATERIALS, ETC.) MUST Y OCCUR WITH ADJACENT PROPERTIES AND TO PRO	REMAIN COVERED AT ALL TIMES TO MINIMIZE	
		TURES SHALL BE PROTECTED UNTIL SUCH TIME AS T		
	CONTRACTOR'S RESPONSIBILIT PERMITS ASSOCIATED WITH SA	Y TO OBTAIN AND PAY FOR THE COSTS ASSOCIATED ME.	WITH ANY AND ALL NECESSARY DISCHARGE	TEMPORAR
19.	THE CONTRACTOR MUST IMMED CONSTRUCTION WASTE IS READ EQUIPMENT AND MAKE SAME CO	TE CONSTRUCTION WASTE MATERIAL STORAGE ARE DIATELY PLACE CONSTRUCTION WASTE IN ON-SITE S DY FOR OFF-SITE DISPOSAL. THE CONTRACTOR MUS ONTINUOUSLY AVAILABLE ON-SITE FOR USE BY THE PLICATION OF SPILL PREVENTION AND RESPONSE PR	TORAGE CONTAINERS UNTIL THAT T MAINTAIN SPILL PREVENTION AND RESPONSE CONTRACTOR'S EMPLOYEES WHO MUST BE	
	EROSION CONTROL NOTES DUF	RING WINTER CONSTRUCTION D: NOVEMBER 1 THROUGH APRIL 15.		STAPLES 2 PER BALE) BINDING WIRE
22.	MAXIMUM EXTENT PRACTICABL	THWORK SHALL BE DONE SUCH THAT THE AMOUNT O		10 MIL PLASTIC LINING (SEE NOTE 6)
23.	CONTINUATION OF EARTHWORK	IPLOYED TO CONTROL STORMWATER RUNOFF. ( OPERATION ON ADDITIONAL AREAS SHALL NOT BEC N STABILIZED SUCH THAT NO LARGER AREA OF THE I 2 ABOVE.		WOOD OR METAL STAKES (2 PER BALE)
24.	MULCHED WITH STRAW OR STR	D TO HAVE BEEN TEMPORARILY STABILIZED WHEN E AW AT A RATE OF 100 LB. PER 1,000 SQUARE FEET (V IATELY ANCHORED BY AN APPROVED ANCHORING TE	VITH OR WITHOUT SEEDING) OR DORMANT	SECTION A-A
25.	NOVEMBER 1ST AND APRIL 1ST, PROTECTED WITH MULCH OR TE THEN THE AREA MAY BE DORM/ MULCHED AS APPLICABLE. SLOF FOR MORE THAN 14 DAYS UNLE TO BE FINISHED WITH THE PERM	TION ACTIVITIES HAVE CEASED FOR A PERIOD EXCE LOAM OR SEED WILL NOT BE REQUIRED. THE SLOPE EMPORARILY SEEDED. IF THE EXPOSED AREA HAS BI ANT SEEDED AT A RATE OF 200-300% HIGHER THAN S PES SHALL NOT BE LEFT UNSTABILIZED OVER THE W SS TREATED IN THE ABOVE MANNER. UNTIL SUCH TH MANENT SURFACE TREATMENT, EROSION SHALL BE E CHECK DAMS IN ACCORDANCE WITH THE STANDAR	ES SHALL BE FINE GRADED AND EITHER EEN LOAMED, FINAL GRADED AND IS SMOOTH, SPECIFIED FOR PERMANENT SEED AND THEN INTER OR IN AREAS WHERE WORK HAS CEASED ME AS WEATHER CONDITIONS ALLOW DITCHES CONTROLLED BY THE INSTALLATION OF	1/8" DIA. STEEL WIRE STAPLE DETAIL NOTES:
	NETTING OR WOOD CELLU 26.2. MULCH NETTING SHALL BI EXPOSED TO DIRECT WINI 26.3. MULCH NETTING SHALL BI THE SAME APPLIES FOR A	E USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS DS AND FOR ALL OTHER SLOPES GREATER THAN 8% E USED TO ANCHOR MULCH IN ALL AREAS WITH SLOF LL SLOPES GREATER THAN 8%.	WITH A SLOPE GREATER THAN 3% FOR SLOPE PES GREATER THAN 15%. AFTER OCTOBER 1ST	<ol> <li>I. TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE LOCATED A MINIMUM OF 50 FT. FROM STORM DRAIN INLETS.</li> <li>2. ONCE CONCRETE WASTES ARE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN, THE CONCRETE SHOULD BE BROKEN UP, REMOVED, AND DISPOSED OF OFF-SITE. CONTRACTOR TO DISPOSE OF HARDENED CONCRETE ON A REGULAR BASIS.</li> <li>3. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED</li> </ol>
		BE STABILIZED IN ACCORDANCE WITH THE STORMWA		<ol> <li>THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.</li> <li>PLASTIC LINING MATERIAL SHOULD BE A MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.</li> <li>WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.</li> <li>STRAW BALE AND STAPLES MAY BE SUBSTITUTED WITH ALTERNATE SECURING MEASURES SUCH AS CONCRETE BLOCK.</li> </ol>

**EROSION AND SEDIMENT CONTROL NOTES** 

EROSION CONTROL MANUAL.

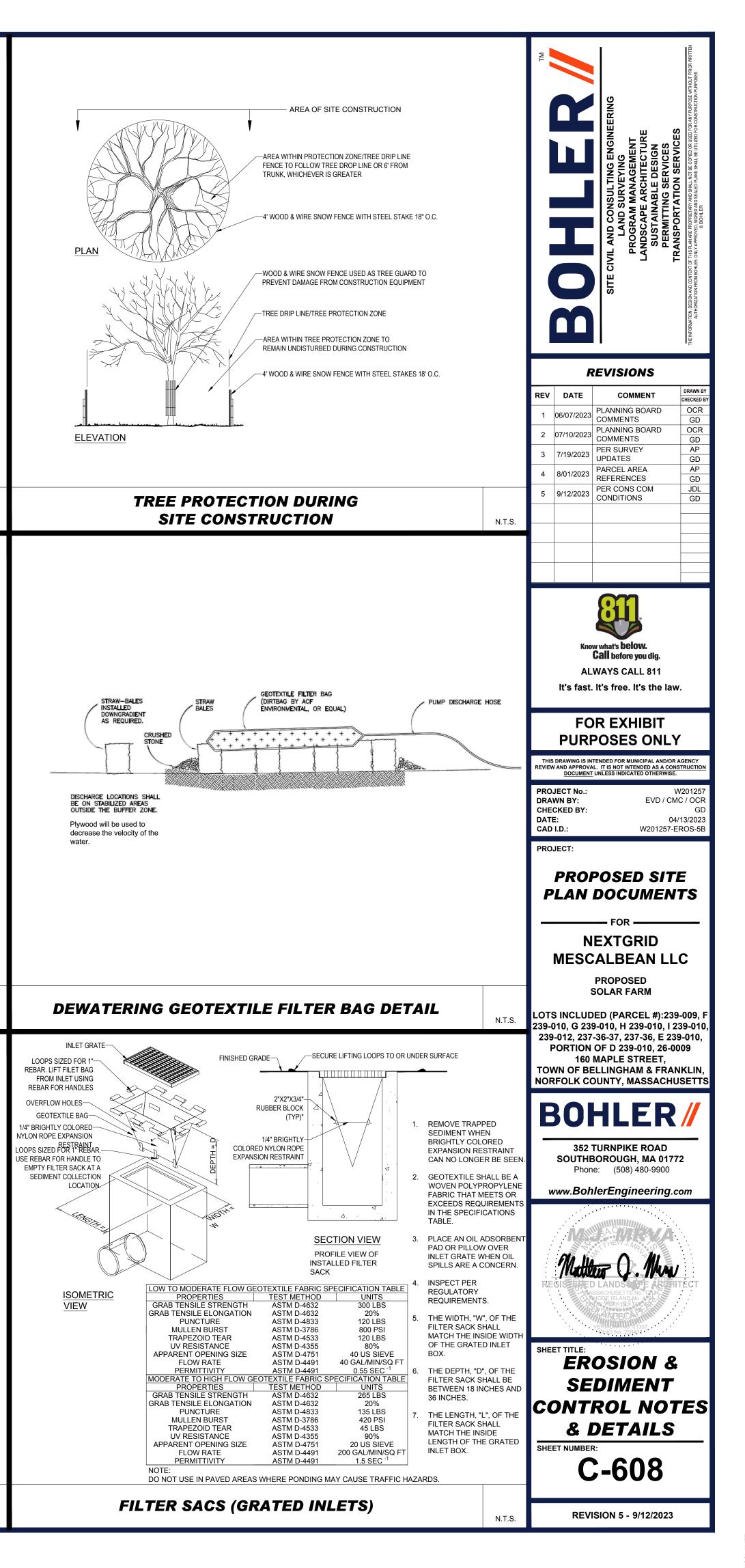
ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE AS SET FORTH IN THE MOST CURRENT STATE SEDIMENT AND

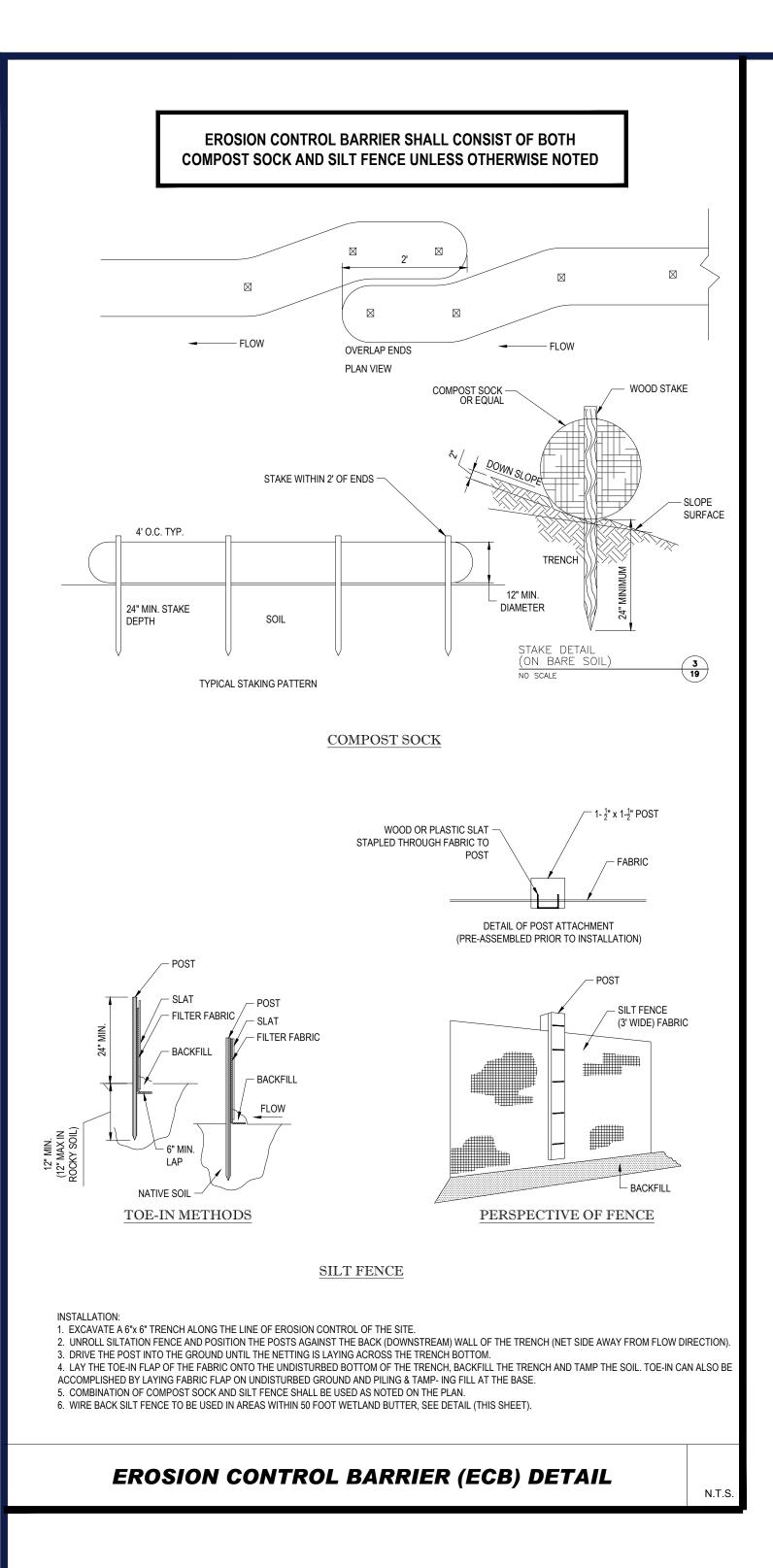


**CONCRETE WASTE MANAGEMENT AREA** 

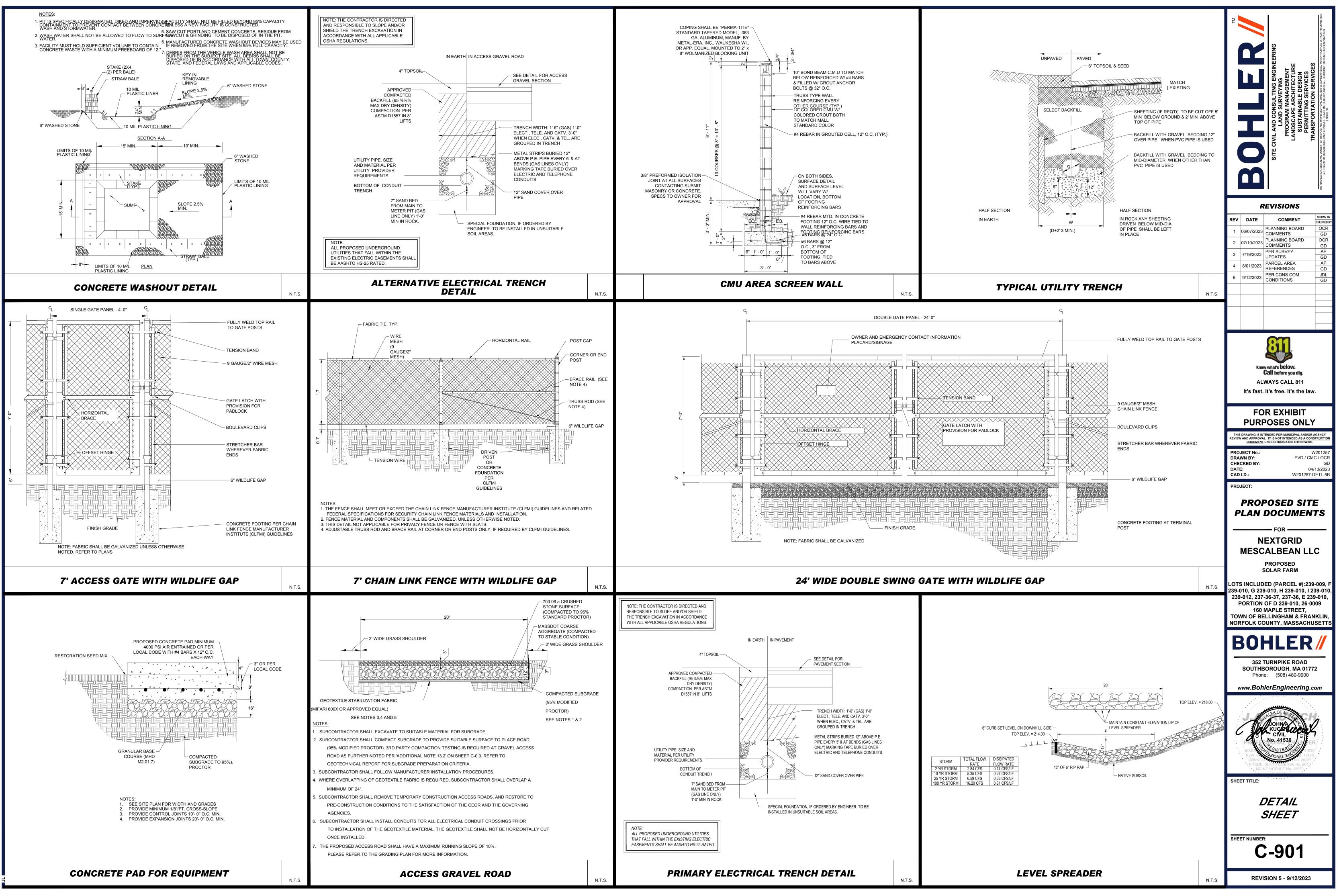
**EROSION CONTROL BLANKET 2:1 SLOPES** (SLOPE INSTALLATION)

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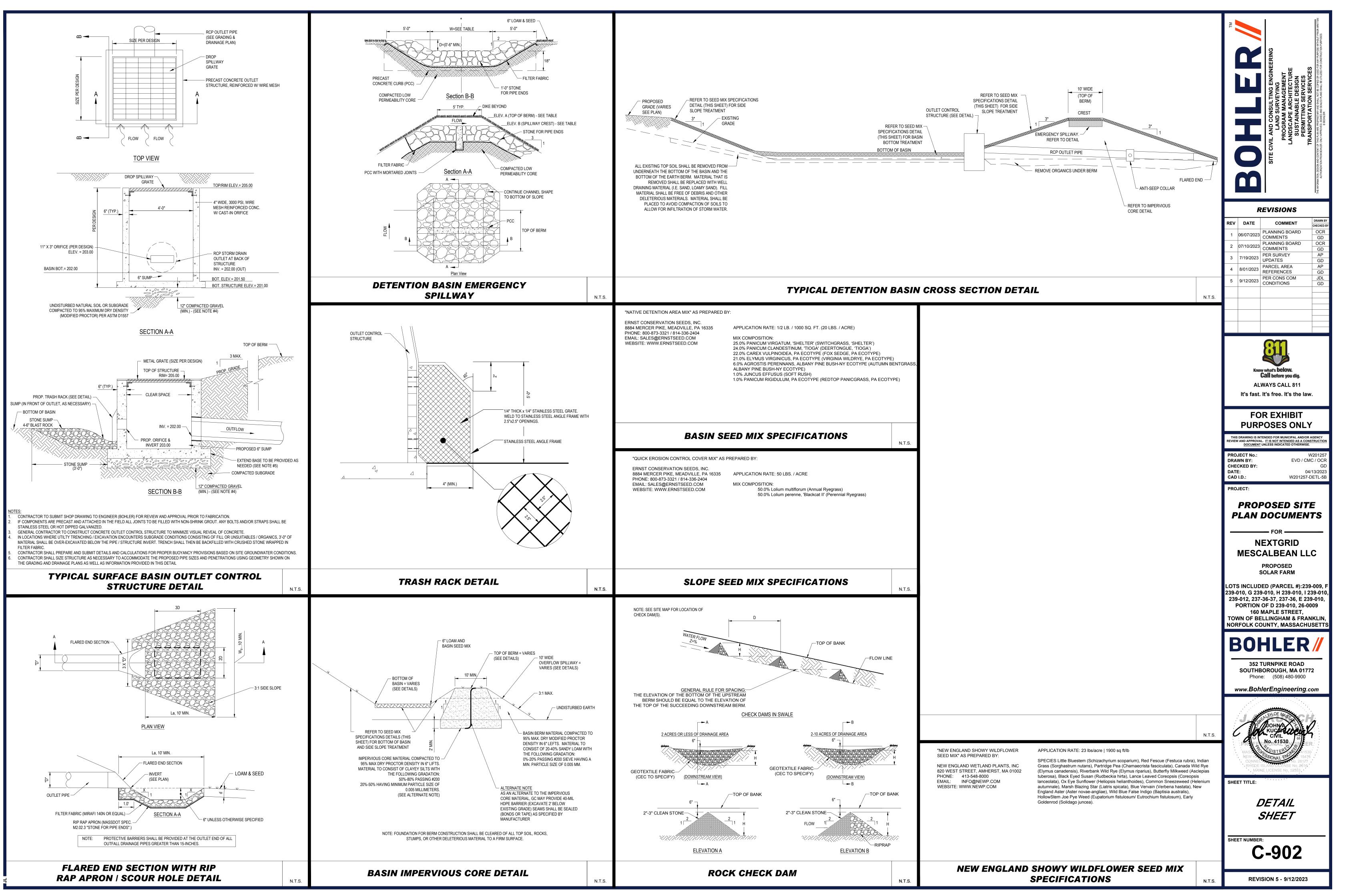


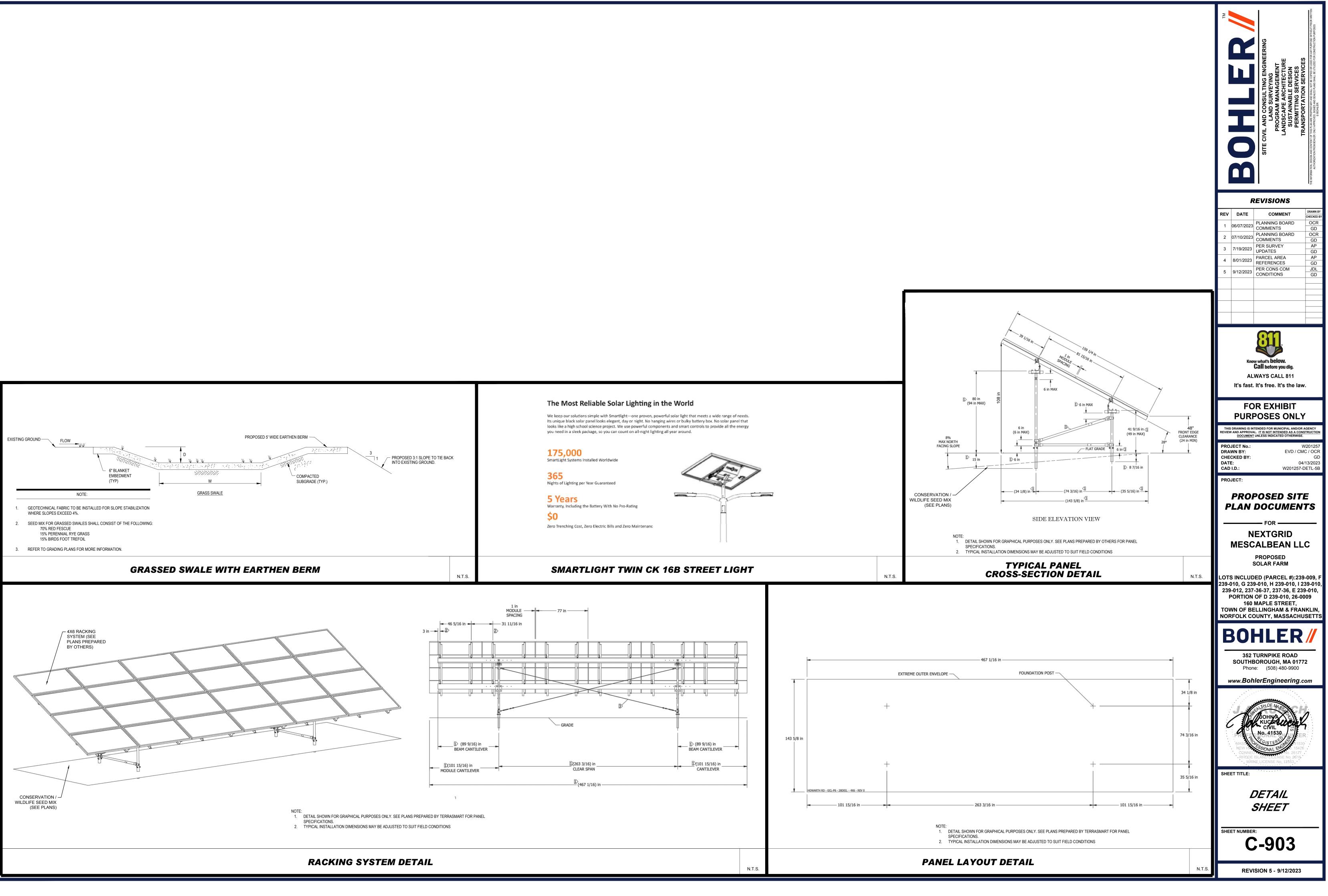


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DOCUMENT UNLESS INDICATED OTHERWISE. PROJECT No.: W DRAWN BY: EVD / CMC	201257 C / OCR
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PROJECT: PROPOSED SITE PLAN DOCUMENT FOR FOR NEXTGRID MESCALBEAN LLC PROPOSED SOLAR FARM LOTS INCLUDED (PARCEL #):239- 239-010, G 239-010, H 239-010, I 23 239-012, 237-36-37, 237-36, E 239 PORTION OF D 239-010, 26-00 160 MAPLE STREET, TOWN OF BELLINGHAM & FRAN	-009, F 39-010, 09
TOWN OF BELLINGHAM & FRAN NORFOLK COUNTY, MASSACHUS	SETTS
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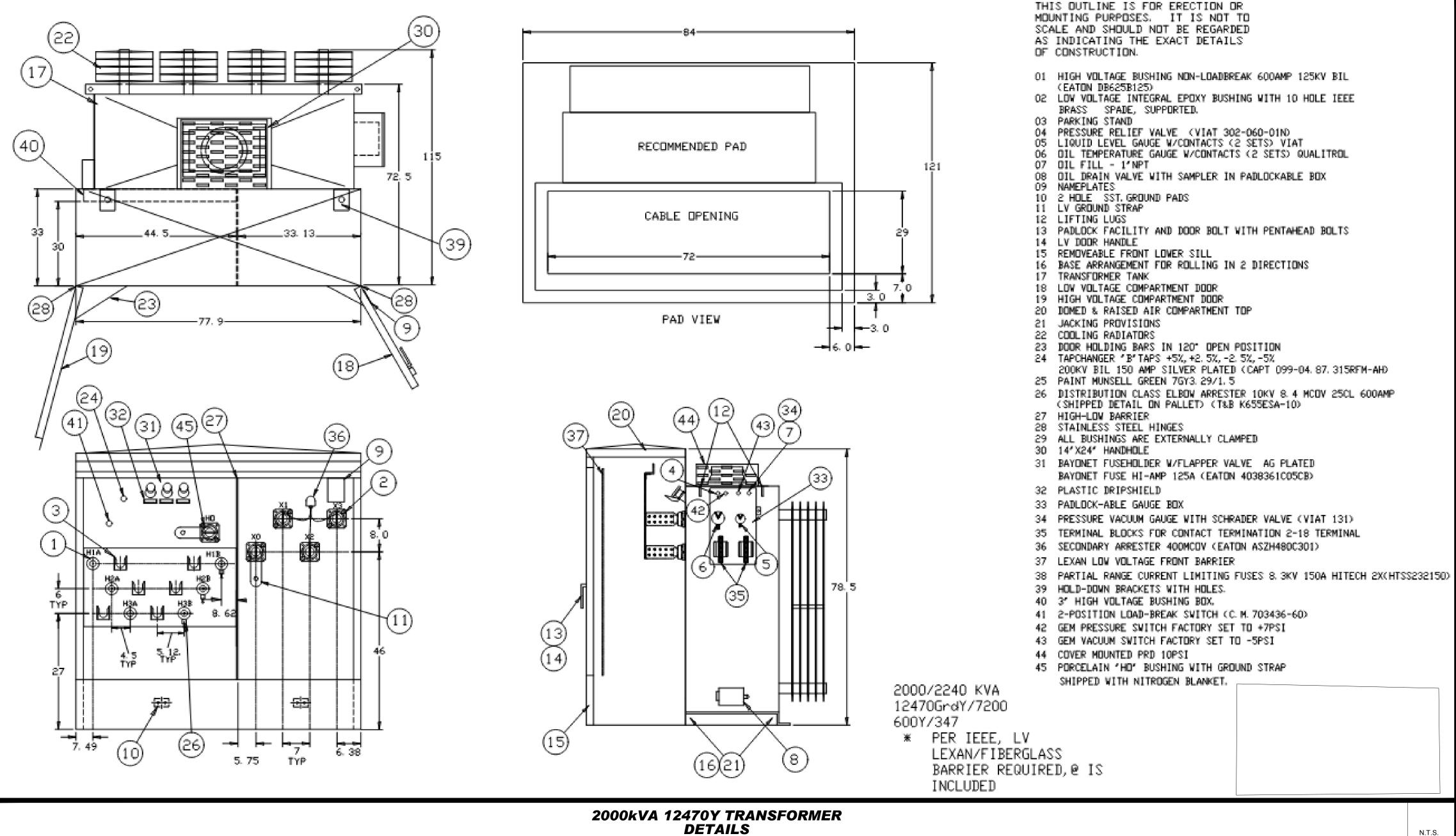


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	2	07/10/2023	PLANNING BOARD COMMENTS	OCR							
	3	7/19/2023	PER SURVEY	GD AP							
			UPDATES PARCEL AREA	GD AP							
	4	8/01/2023	REFERENCES PER CONS COM	GD JDL							
	5	9/12/2023	CONDITIONS	GD							
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#### Three-Phase Transformers CA202003EN

Effective April 2016 Supersedes 210-12 July 2015

## **COOPER POWER**

## Three-phase pad-mounted compartmental type transformer



#### General

At Eaton, we are constantly striving to introduce new innovations to the transformer industry, bringing you the highest quality, most reliable transformers. Eaton's Cooper Power series Transformer Products are ISO 9001 compliant, emphasizing process improvement in all phases of design, manufacture, and testing. In order to drive this innovation, we have invested both time and money in the Thomas A. Edison Technical Center, our premier research facility in Franksville, Wisconsin. Such revolutionary products as distribution-class UltraSIL™ Polymer-Housed Evolution™ surge arresters and Envirotemp™ FR3™ fluid have been developed at our Franksville lab.

With transformer sizes ranging from 45 kVA to 12 MVA and high voltages ranging from 2400 V to 46 kV, Eaton has you covered. From fabrication of the tanks and cabinets to winding of the cores and coils, to production of arresters, switches, tap changers, expulsion fuses, current limit fuses, bushings (live and dead) and molded rubber goods, Eaton does it all. Eaton's Cooper Power series transformers are available with electrical grade mineral oil or Envirotemp™ FR3™ fluid, a less-flammable and bio-degradable fluid. Electrical codes recognize the advantages of using Envirotemp™ FR3™ fluid both indoors and outdoors for fire sensitive applications. The biobased fluid meets Occupational Safety and Health Administration (OSHA) and Section 450.23 NEC Requirements.



Three-phase pad-mounted compartmental type transformer

#### Catalog Data CA202003EN

#### Table 2. Three-Phase Ratings

#### Three-Phase 50 or 60 Hz

kVA Available<sup>1</sup> 45, 75, 112.5, 150, 225, 300, 500, 750, 1000, 1500, 2000, 2500, 3000, 3750, 5000, 7500, 10000 <sup>1</sup>Transformers are available in the standard ratings and configurations shown or can be customized to meet specific needs.

#### Table 3. Impedance Voltage

	Low-voltage r	ating	
Rating (kVA)	≤ 600 V	2400 Δ through 4800 Δ	6900 Δ through 13800GY/7970 or 13800 Δ
45-75	2.70-5.75	2.70-5.75	2.70-5.75
112.5-300	3.10-5.75	3.10-5.75	3.10-5.75
500	4.35-5.75	4.35-5.75	4.35-5.75
750-2500	5.75	5.75	5.75
3750	5.75	5.75	6.00
5000		6.00	6.50

#### Table 4. Audible Sound Levels

	NEMA <sup>®</sup> TR-1 Average	
Self-Cooled, Two Winding kVA Rating	Decibels (dB)	
45-500	56	
501-700	57	
701-1000	58	-
1001-1500	60	
1501-2000	61	
2001-2500	62	
2501-3000	63	
3001-4000	64	
4001-5000	65	
5001-6000	66	
6001-7500	67	
7501-10000	68	

#### Table 5. Insulation Test Levels

KV Class	Induced Test 180 or 400 Hz 7200 Cycle	kV BIL Distribution	Applied Test 60 Hz (kV)	
1.2		30	10	
2.5		45	15	
5		60	19	
8.7	Twice Rated Voltage	75	26	
15		95	34	
25	·	125	40	
34.5		150	50	

Table 6. Temperature Rise Ratings 0-3300 Feet (0-1000 meters)

-	Standard	Optional	
Unit Rating (Temperature Rise Winding)	65 C	55 °C, 55/65 C, 75 °C	
Ambient Temperature Max	40 C	50 C	
Ambient Temperature 24 Hour Average	30 C	40 C	
Temperature Rise Hotspot	80 C	65 C	

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Effective April 2016

THREE-PHASE PAD-MOUNTED COMPARTMENTAL TYPE TRANSFORMER

#### Catalog Data CA202003EN Effective April 2016

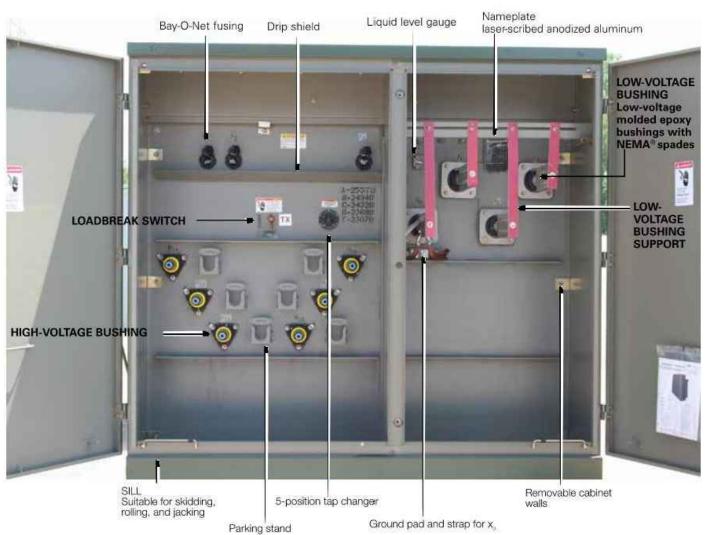


Figure 1. Three-phase pad-mounted compartmental type transformer.

#### Table 1. Product Scope

Туре	Three Phase, 50 or 60 Hz, 65 C Rise (55 C, 55/65 C), 65/75 °C, 75 °C
Fluid Type	Mineral oil or Envirotemp™ FR3™ fluid
Coil Configuration	2-winding or 4-winding or 3-winding (Low-High-Low), 3-winding
Size	45 10,000 kVA
Primary Voltage	2,400 - 46,000 V
Secondary Voltage	208Y/120 V to 14,400 V
	Inverter/Rectifier Bridge
	K-Factor (up to K-19)
	Vacuum Fault Interrupter (VFI)
	UL® Listed & Labeled and Classified
Specialty Designs	Factory Mutual (FM) Approved®
	Solar/Wind Designs
	Differential Protection
	Seismic Applications (including OSHPD)
	Hardened Data Center

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#### Catalog Data CA202003EN Effective April 2016

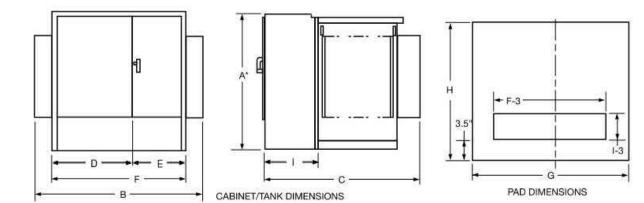


Figure 2. Transformer and pad dimensions.

\* Add 9\* for Bay-O-Net fusing.

#### Table 7. Fluid-filled-aluminum windings 55/65 °C Rise<sup>1</sup>

65° Rise	DEAD-FRONT-LOOP OR RADIAL FEED-BAY-O-NET FUSING OIL FILLED-ALUMINUM WINDINGS										
	OUTLINE DIMENSIONS (in.)								Gallons of	Approx. Total	
kVA Rating	A*	В	C	D	E	F	G	н	1	Fluid	Weight (lbs.)
45	50	68	39	42	26	68	72	43	20	110	2,100
75	50	68	39	42	26	68	72	43	20	115	2,250
112.5	50	68	49	42	26	68	72	53	20	120	2,350
150	50	68	49	42	26	68	72	53	20	125	2,700
225	50	72	51	42	30	72	76	55	20	140	3,150
300	50	72	51	42	30	72	76	55	20	160	3,650
500	50	89	53	42	30	72	93	57	20	190	4,650
750	64	89	57	42	30	72	93	61	20	270	6,500
1000	64	89	59	42	30	72	93	63	20	350	8,200
1500	73	89	86	42	30	72	93	90	24	410	10,300
2000	73	72	87	42	30	72	76	91	24	490	12,500
2500	73	72	99	42	30	72	76	103	24	530	14,500
3000	73	84	99	46	37	84	88	103	24	620	16,700
3750	84	85	108	47	38	85	88	112	24	660	19,300
5000	84	96	108	48	48	96	100	112	24	930	25,000
7500	94	102	122	54	48	102	100	126	24	1,580	41,900

\* Add 9" for Bay-O-Net fusing.

Table 8. Fluid-Filled – Copper Windings 55/65 °C Rise<sup>1</sup>

00 11100	OUTLINE DIMENSIONS (in.)								
kVA Rating	A*	B	C	D	E	F	G	н	
45	50	64	39	34	30	64	69	43	
75	50	64	39	34	30	64	69	43	
112.5	50	64	49	34	30	64	69	53	
150	50	64	49	34	30	64	69	53	
225	50	64	51	34	30	64	73	55	
300	50	64	51	34	30	64	75	55	
500	50	81	53	34	30	64	85	57	
750	64	89	57	42	30	72	93	61	
1000	64	89	59	42	30	72	93	63	
1500	73	89	86	42	30	72	93	90	
2000	73	72	87	42	30	72	76	91	
2500	73	72	99	42	30	72	76	103	
3000	73	84	99	46	37	84	88	103	
3750	84	85	108	47	38	85	88	112	
5000	84	96	108	48	48	96	100	112	
7500	94	102	122	54	48	102	100	126	

\* Add 9\* for Bay-O-Net fusing.

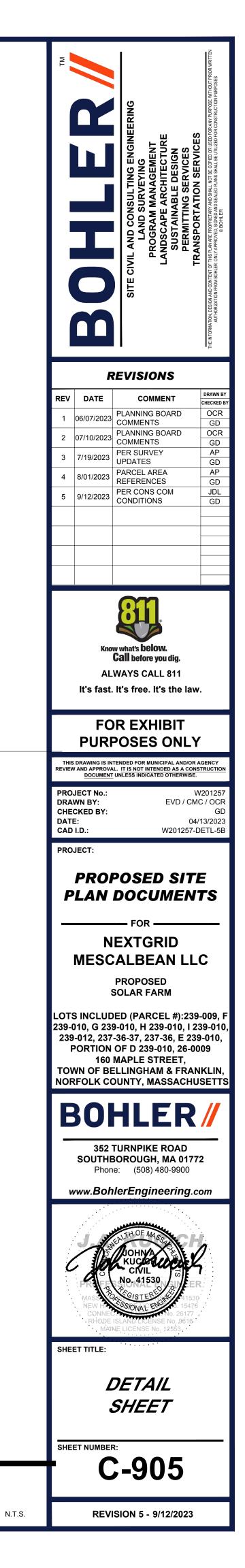
www.eaton.com/cooperpowerseries 4

Three-phase pad-mounted compartmental type transformer



Three-phase pad-mounted compartmental type transformer

65° Rise DEAD-FRONT-LOOP OR RADIAL FEED-BAY-O-NET FUSING OIL FILLED-COPPER WINDINGS Gallons of Approx. To







#### ConnectPV reduces electrical BOS project costs by simplifying:

Installation

#### Configuration

Regulation

Design Engineers easily configure our products to meet the project's requirements -Simplifying design and specification

AHJ Inspectors quickly review and approve our products

Operation O&M Personnel reduce field service time because our because we have designed for 100% compliance with the NEC products use high quality components and are designed for a and UL Standards – Reducing project inspection and approval time 20 year life expectancy – Maximizing system revenue generation

e.g., 12 input, 400A with 30A fuses

Specifications Subject to Change

Stainless Steel Available

Field Installers quickly install our products because they

provide ample wiring room - Reducing installation time and labor cost

Typical	Input Charac	teristics		Grounde	d Systems	Floating	g Systems
Input Circuits	Standard Disconnect Ampacity	Input Wire Size	Output Type	NEMA 4 Steel (inches)	NEMA 4X Fiberglass (inches)	NEMA 4 Steel (inches)	NEMA 4X Fiberglass (inches)
16	250		M10	24x24x8	24x24x8	24x30x8	24x30x8
20	250	#14-#4	Stud	24x24x8	24x24x8	24x30x8	24x30x8
24	320	AWG		30x24x8	30x24x8	30x30x8	30x30x8*
28	400	CODDCI	-M12 Stud	30x30x8	36x30x8	36x36x8	36x36x8*
32	400		Stud	30x30x8	36x30x8	36x36x8	36x36x8*

\* Painted Stainless Steel NEMA 4X

Standard Disconnects sized at 1.25x Sum(Isc) per UL1741. Upsize Disconnect available at 1.56x Sum(Isc) for OCPD coordination

Model Numbers are derived from the following template: CBXVVT-###D(S)-FFAA-EE

VV	T	###	FF	AA	EE
Voltage	Topology	Disconnect Rating	String Count	Fuse Rating	Enclosure Type
15 = 1500V	G=Grounded	250A, 320A,or	08-32	02-30	N4 = Carbon Steel
	F= Floating	400A	2 string increments	15A Typical	4X = Fiberglass*

Additional Options and Accessories Available

#### ABOUT CONNECTPV INC.



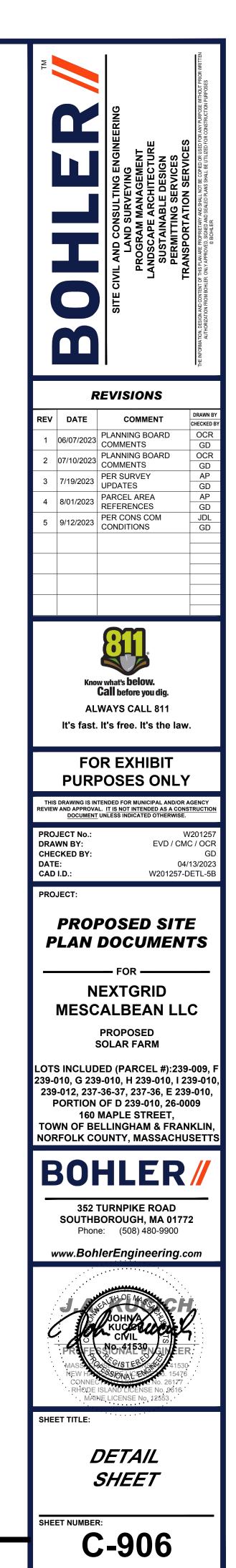
Based in San Diego, CA, ConnectPV Inc. delivers expertise and experience. We bring over 10 years of Solar PV industry experience in electrical Balance of System products coupled with more than 25 years of high quality, ISO9001:2008 certified, manufacturing expertise. We actively work with our customers to deliver innovative, high quality, and cost effective solutions.

Use Cas MODEL LINEUP DC DC Con Max Effic PV Max Batt Sug Max DC Batt Nun	ional DC-DC se 1: 	CAB1000/DC.1-1000-1500 1 1000 kW   1350 ADC 750 W	Use Case 2: CAB1000/DC.2-2000-1500 2 2000 kW   2700 ADC 3-Level 1500 W 3.5% (est.)   98.5% (est.)   98.5% 500 - 1500 VDC 1500 VDC	3 3000 kW   4050 ADC 2250 W		
MODEL LINEUP DC DC Con Max Effic PV I Max Batt Sug Max DC Batt Nun	import capacity @ 50°C nverter topology eximum aux, power consumption iclency: Max   CEC   Euro DC voltage range eximum PV input voltage ttery DC voltage range ggested battery voltage range iximum DC current.	CAB1000/DC.1-1000-1500 1 1000 kW   1350 ADC 750 W	CAB1000/DC.2-2000-1500 2 2000 KW   2700 ADC 3-Level 1500 W 3.5% (est.)   98.5% (est.)   98.5% 500 - 1500 VDC 1500 VDC	CAB1000/DC.3-3000-1500 3 3000 kW   4050 ADC 2250 W		
LINEUP DC DC Con Max Effic PV I Max Batt Sug DC Batt Num	Cimport capacity @ 50°C niverter topology eximum aux, power consumption iciency: Max   CEC   Euro DC voltage range eximum PV input voltage ttery DC voltage range ggested battery voltage range eximum DC current	CAB1000/DC.1-1000-1500 1 1000 kW   1350 ADC 750 W	2 2000 kW   2700 ADC 3-Level 1500 W 8.5% (est.)   98.5% (est.)   98.59 500 - 1500 VDC 1500 VDC	CAB1000/DC.3-3000-1500 3 3000 kW   4050 ADC 2250 W		
LINEUP DC DC Con Max Effic PV I Max Batt Sug DC Batt Num	nverter topology iximum aux, power consumption iciency: Max   CEC   Euro DC voltage range iximum PV input voltage ttery DC voltage range ggested battery voltage range iximum DC current	1 1000.kW   1350 ADC 750 W	2 2000 kW   2700 ADC 3-Level 1500 W 8.5% (est.)   98.5% (est.)   98.59 500 - 1500 VDC 1500 VDC	3 3000 kW 1 4050 ADC 2250 W		
DC DC Con Max Effic PV I Max Batt Sug Max DC Batt Nun	nverter topology iximum aux, power consumption iciency: Max   CEC   Euro DC voltage range iximum PV input voltage ttery DC voltage range ggested battery voltage range iximum DC current	1 1000.kW   1350 ADC 750 W	2 2000 kW   2700 ADC 3-Level 1500 W 8.5% (est.)   98.5% (est.)   98.59 500 - 1500 VDC 1500 VDC	3 3000 kW 1 4050 ADC 2250 W		
Con Max Effic PV I Max Batt Sug Max DC Batt	nverter topology iximum aux, power consumption iciency: Max   CEC   Euro DC voltage range iximum PV input voltage ttery DC voltage range ggested battery voltage range iximum DC current	1000 kW   1350 ADC 750 W	2000 kW   2700 ADC 3-Level 1500 W 8.5% (est.)   98.5% (est.)   98.59 500 - 1500 VDC 1500 VDC	3000 kW   4050 ADC 2250 W		
Con Max Effic PV I Max Batt DC Batt Num	nverter topology iximum aux, power consumption iciency: Max   CEC   Euro DC voltage range iximum PV input voltage ttery DC voltage range ggested battery voltage range iximum DC current	750 W	3-Level 1500 W 8.5% (est.)   98.5% (est.)   98.5% 500 - 1500 VDC 1500 VDC	2250 W		
Max Effic PV Max Batt Sug Max DC Batt	iximum aux, power consumption iclency: Max   CEC   Euro DC voltage range iximum PV input voltage ttery DC voltage range ggested battery voltage range iximum DC current	1.55531152	8 5% (est.)   98.5% (est.)   98.5% 500 - 1500 VDC 1500 VDC			
Effic PV Max Batt Sug Max DC Batt Nun	iciency: Max   CEC   Euro DC voltage range iximum PV input voltage ttery DC voltage range ggested battery voltage range iximum DC current	9	500 - 1500 VDC 1500 VDC	6 (est.)		
PV Max Batt Sug Max DC Batt Nun	DC voltage range iximum PV input voltage ttery DC voltage range ggested battery voltage range iximum DC current		500 - 1500 VDC 1500 VDC			
Max Batt Sug Max DC Batt Nun	iximum PV Input voltage ttery DC voltage range ggested battery voltage range iximum DC current					
Batt Sug DC Batt Nun	ttery DC voltage range ggested battery voltage range iximum DC current			2		
Sug Max DC Batt Nun	ggested battery voltage range iximum DC current					
Max DC Batt Num	iximum DC current		720 - 1300 VDC			
DC Batt Nun		1000 100		1000 100		
Batt		1350 ADC	2700 ADC <3%	4050 ADC		
Nun						
	ttery technology		tery types, fuel cells, other DC so			
	mber of DC connections	4 positive / 4 negative	8 positive / 8 negative	12 positive / 12 hegative		
24114	nbient temperature (operation)		-20°C to 50°C -20°C to 50°C			
	nbient temperature (storage)		NEMA 3R / IP54	-		
	otection degree		5% - 100% condensing			
	lative humidity ix elevation		2.000 m (6.500 ft.)			
110110-00	borne noise		<75 dBA @ lm			
			automatic; see charts			
Cabinet	mperature de-rating		The second statement of the se	in the second second second second		
	ximum dimensions (H x W x D)	mm: [2760 × 1000 × 1200] in.: [108.6" × 39.4" × 47.2"]	mm: [2760 x 2000 x 1200] in.: [108.6" x 78.8" x 47.2"]	mm: [2760 × 3000 × 1200] in.: [108,6" × 118,2" × 47,2"]		
and the second s	eight (est.)	907 kg [2000 lb.]	1814 kg [4000 lb.]	2721 kg [6000 lb.]		
	Mounting Pad mount					
	Cooling Hybrid liquid / air					
	oling fluid	30% - 50% EWG or PWG				
	fety	THE ARE CREATED TO A TO A	UL 1741 pending			
	DC protection DC disconnect (battery); DC disconnect (PV); DC fuses (optional)					
and a second sec	Humidity Internal cabinet heating					
	Safety features overvoltage, overcurrent, overtemperature Ground fault detection integrated					
	ound fault detection			T-115		
	ntrol interface		CAN, Modbus RS485, or Modbus	I CP		
	mmand latency	727	1ms			
	sponse time; e.g. step from full charge discharge	1	0 ms; adjustable longer via paran	neters		
- understand	ick-start capable		Yes; requires external control po	ower		
	ntroi power options		208 - 240 VAC   DC: 24 VD			
100000	ner en suit de la compactica de la compacti		sound to an			

Proven products. Limitless possibilities.



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**REVISION 5 - 9/12/2023** 



#### M-Force three-phase switch

#### **Design features** Reverse loop contacts

The reverse loop contacts utilize high current magnetic forces for

added reliability. The reverse loop contacts were adapted from Eaton's Cooper Power series KPF Line Tension Switch and have been field-proven for over 80 years. The reverse loop design allows for high contact pressure to be maintained during fault conditions. This feature prevents pitting and distorting of the switch blade and contacts even under severe momentary overload. These contacts originally designed for high voltage transmission switches also maintain extremely cool temperatures even under the rated full load. The max temperature rise allowed per IEEE Std 1247™-2005 standard for the blade and contact area is 65 °C. The max temperature rise observed on the reverse loop contact area was 38 °C, less than half of the allowed temperature. These types of test results, along with the proven field performance, undoubtedly make the Reverse Loop Contacts found in the M-Force switch the premiere choice in the industry. Insulators

The M-Force switch comes standard with polymer (silicone rubber) insulators. These non-porcelain insulators offer exceptional dielectric and mechanical characteristics adding to the reliability of the M-Force switch, while lowering the weight. The M-Force switch can be provided in cycloaliphatic epoxy and porcelain housings. Insulators come standard with 2.25" bolt circles at 15 and 25 kV. Insulators require a 3.00" bolt circle at 35 kV. Extended bearing assembly

The stainless steel shaft on the rotating insulator bearing assembly has been extended to four inches. This extra length will prevent horizontal movement of the rotating insulator during operation which ensures proper blade/contact alignment which is essential for smooth operation. Another feature of the bearing assembly is the oilimpregnated bushings that provide maintenance-free operation for the life of the switch.

#### Insulated Reliabreak<sup>™</sup> arm

The Reliabreak™ Pick-up Arm on the M-Force switch is insulated on one side, which isolates the interrupter from the current path during a close operation. This feature allows for a wide range of adjustments between the Reliabreak arm and the blade catch finger. This increased tolerance removes the possibility of misalignment during operation which ensures proper load interruption. Positive locking dead-end brackets

The dead-end brackets on the M-Force switch are of a positive locking design. This design allows for dead-ending at an angle without any distortion of the brackets. This allows for a more flexible switch that can be used in a wider variety of installation requirements.

#### New inter-phase clamps

The inter-phase control rod clamps on the M-Force switch are designed with a jam nut through the side of the casting which locks the clamps after factory alignment. This feature eliminates any possibility of accidental slippage of the control mechanism which ensures proper operation even under icy conditions. **Optional ice shields** 

**OPTIONS** 

(Check as necessary)

The standard M-Force switch is capable of operating under a 3/8" ice build up. With the optional ice shields the M-Force switch is capable of opening and closing with a 3/4\* ice build up. The unique shields are designed to prevent ice from building up between the contact clips as well as removing the ice from the

blade during the closing operation. Per IEEE Std C37.34™-1994, a chopping action is allowed during the close operation to break the ice. Due to the shearing action of the M-Force Ice Shields. the closing operation can be accomplished with one motion. No chopping is needed.

1

The following options shall be supplied:

Clamp style aerial lugs (#2 - 500 kcmil)

Clamp style aerial lugs (250 -750 kcmil)

Polemount site-ready assembly

\_ Dead-front padmounted design with stainless steel

\_ External Accusense Voltage Sensors (0.5 class

(3% accuracy) for 120 VAC supply power with

hardware to mount on standard aluminum frame

(0.3% accuracy) for 120 VAC supply power with

Junction box with all twist lock connections

(Form C type) and cable-disconnected alarm

Contact factory for additional options or customization.

hardware to mount on standard aluminum frame

External 0.75 KVA solid-dielectric voltage transformer

\_ High impact, UV stable wildlife protectors for source

42 pin interface with additional 52b auxiliary contact

External 1.0 KVA oil potential transformer

External CTs for current monitoring

\_ 3-phase ganged manual trip handle

Six internal voltage sensors

NEMA 2-hole aerial lugs

NEMA 4-hole aerial lugs

\_ Lightning arresters

and load insulators

enclosure

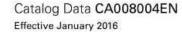
accuracy)

\* Additional Cost

\_ 4/0 brass eyebolt ground lug

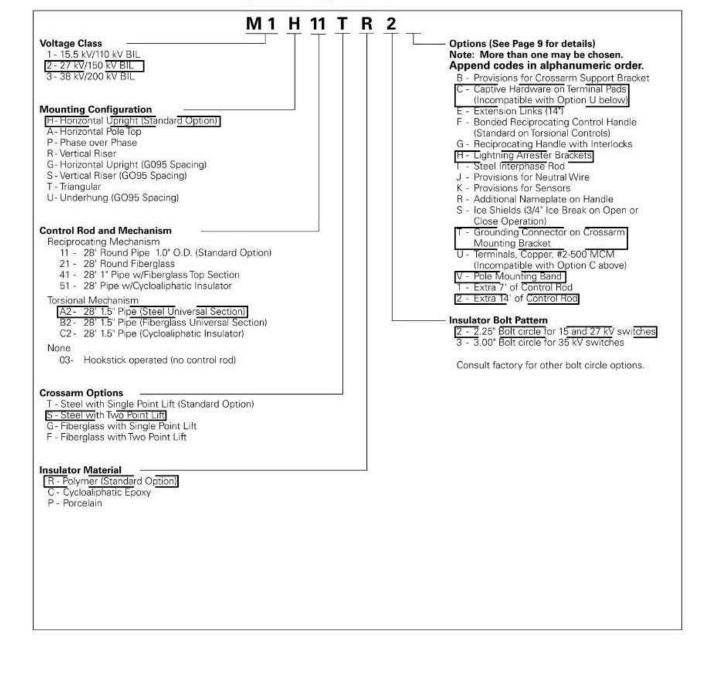
NEMA 4-hole, 2-hole

and clamp style aerial lugs.



M-Force three-phase switch

Table 7. M-Force Three-Phase Switch Catalog Number Configuration



## **SEL-651R**

www.eaton.com/cooperpowerseries

8

#### Advanced Recloser Control



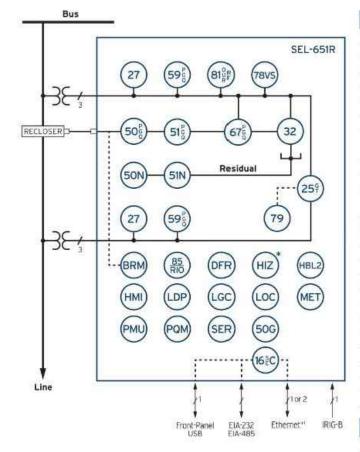
### The industry's gold standard for recloser control

- Advanced recloser protection capabilities support coordinated high-speed fault isolation and restoration.
- Three- or single-phase tripping minimizes customer outages and improves reliability metrics.
- Arc Sense<sup>™</sup> technology improves public safety and minimizes fire dangers caused by downed conductors.
- Fast islanding detection, precise synchronization, and IEEE 1547-2018 tripping let you safely interconnect distributed energy resources (DERs).
- Second-harmonic blocking secures overcurrent elements from transformer inrush.



#### **PHOTOVOLTAIC PANEL SPECIFICATIONS**

Functional	Overview



G&W

Viper-LT

Viper-S

Viper-SP

Viper-ST

Viper-G

Control Power Vipe

**Compatible With** 

**Popular Reclosers** 

The SEL-651R Advanced

Recloser Control works

with a wide range of

reclosers for complete

plug-and-work capability.

and tested to exceed the

Certificates are available

at selinc.com/SEL-651R.

IEEE C37.60 standard.

All interfaces are designed

16 SEC	MBERS/ACRONYMS AND FUNCTIONS Access Security (Serial, Ethernet)
25 (G,T)	Generator/Intertie Synchronism Check
27	Undervoltage
32	Directional Power
50G	Best Choice Ground
500 50N	Neutral Overcurrent
50 (P,G.Q)	Overcurrent (Phase, Ground, Negative Sequence)
51 (P,G,Q)	Time Overcurrent (Phase, Ground, Negative Sequence)
51N	Neutral Time Overcurrent
59 (P,G,Q)	Overvoltage (Phase, Ground, Negative Sequence
67 (P,G,Q)	Directional Overcurrent (Phase, Ground, Negative Sequence)
78VS	Vector Shift
79	Autoreclosing
81 (O,U,R)	Frequency (Over, Under, Rate)
81RF	Fast Rate-of-Change of Frequency
85 RIO	SEL MIRRORED BITS" Communications
DFR	Event Reports
HIZ	SEL Arc Sense <sup>™</sup> Technology (AST)*
HMI	Operator Interface
LGC	SELogic <sup>®</sup> Control Equations
MET	High-Accuracy Metering
PMU	Synchrophasors
PQM	Voltage Sag, Swell, and Interruption
SER	Sequential Events Recorder
ADDITIO	NAL FUNCTIONS
BRM	Breaker Wear Monitor
HBL2	Second-Harmonic Blocking
LDP	Load Data Profiling
LOC	Fault Locator

### \*Optional feature Copper or fiber-optic

	Other Reclosers	
-S	Elastimold Molded Vacuum	RE
	Recloser (MVR)	RVE
	Joslyn TriMod 300R	RXE
	Joslyn TriMod 600R	VSA
	OVR-3 (15 and 27 kV only)	VSO
	Gridshield 32-Pin (15, 27,	VWE
	and 38 kV)	VWVE 27
	Gridshield 42-Pin (15, 27,	VWVE 38X
	and 38 kV)	WE
	VR-3S (15 and 27 kV only)	WVE 27
	CXE	WVE 38X
	NOVA Auxiliary Powered	GVR*
	NOVA Control Powered	SDR Triple-Single
	NOVA NX-T	SDR Three-Phase
	NOVA Triple-Single	OSM_150

\*When equipped with interface module

## REVISIONS REV DATE COMMENT 1 06/07/2023 COMMENTS PLANNING BOARD PLANNING BOARD 2 07/10/2023 COMMENTS 3 7/19/2023 PEN SULL PER SURVEY 4 8/01/2023 PARCEL AREA REFERENCES 5 9/12/2023 PER CONS COM CONDITIONS Know what's **below**. Call before you dig. ALWAYS CALL 811 It's fast. It's free. It's the law. FOR EXHIBIT PURPOSES ONLY THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUC DOCUMENT UNLESS INDICATED OTHERWISE. PROJECT No.: W20125 EVD / CMC / OCR DRAWN BY: CHECKED BY: 04/13/202



## PROPOSED SITE **PLAN DOCUMENTS**

– FOR – NEXTGRID MESCALBEAN LLC PROPOSED

SOLAR FARM LOTS INCLUDED (PARCEL #):239-009, F 239-010, G 239-010, H 239-010, I 239-010, 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010, 26-0009 160 MAPLE STREET,

TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS



www.BohlerEngineering.com



SHEET TITLE:



**REVISION 5 - 9/12/2023** 

## SHEET NUMBER: **C-907**

N.T.S.

