

PROPOSED SITE PLAN DOCUMENTS

FOR

NEXTGRID MESCALBEAN LLC

PROPOSED SOLAR FARM

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)

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.



REVISIONS

REV	DATE	COMMENT	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	GD
4	8/01/2023	PARCEL AREA REFERENCES	AP



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PROJECT No.: W201257
DRAWN BY: EVD / CMC / OCR
CHECKED BY: GD
DATE: 04/13/2023
CAD ID: W201257-SFPD-4A

PROJECT:

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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

BOHLER

352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
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SHEET TITLE:

COVER SHEET

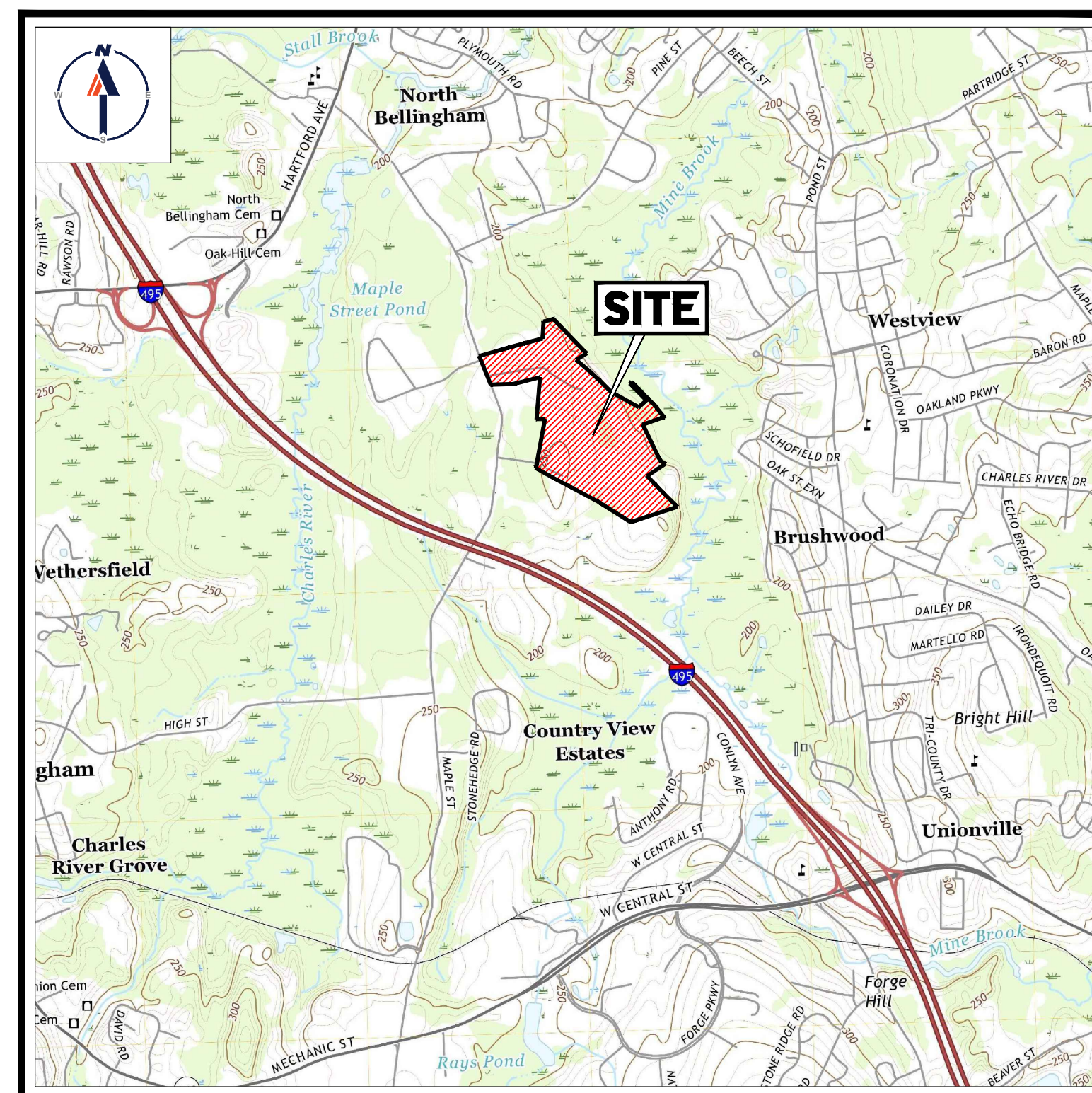
SHEET NUMBER:

C-101

REVISION 4 - 8/01/2023

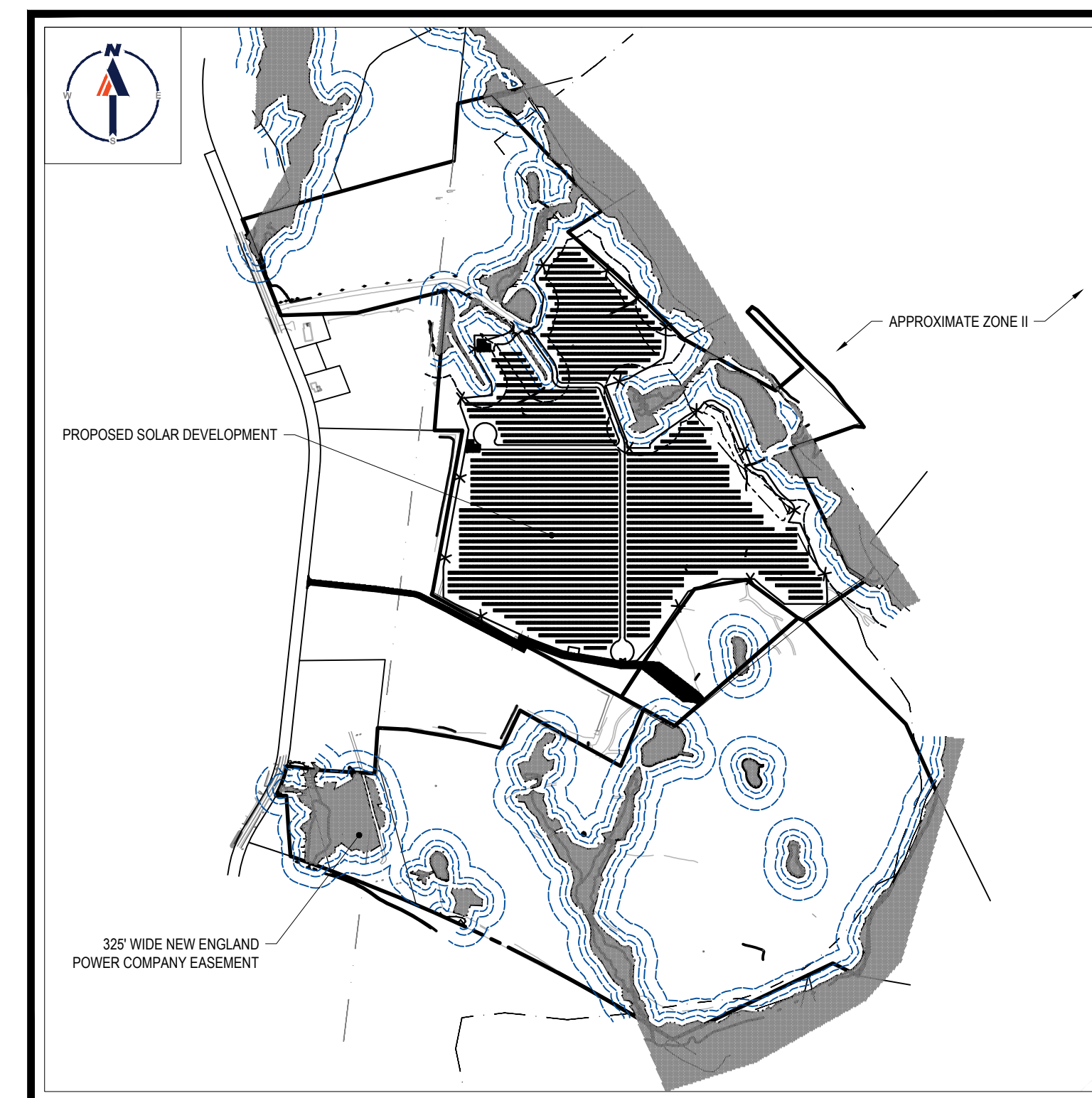
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USGS MAP

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



SITE MAP

SCALE: 1" = 600'
SOURCE: GOOGLE AERIAL

PREPARED BY

GENERAL NOTES

- 1. THESE PLANS ARE SOLELY BASED ON INFORMATION THE OWNER AND OTHERS PROVIDED TO BOHLER ENGINEERING...
2. THE CONTRACTOR MUST STRICTLY COMPLY WITH THESE NOTES AND ALL SPECIFICATIONS/REPORTS CONTAINED HEREIN...
3. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR MUST CONFIRM WITH THE ENGINEER OF RECORD...
4. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR MUST ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED...
5. THE CONTRACTOR MUST ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS/REPORTS AND CONDITIONS OF APPROVAL...
6. 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 FIRE SUPPRESSION PLANS, WHERE APPLICABLE...
7. THE 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 LOCATIONS...
8. THE CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS AND MEASUREMENTS SHOWN ON THESE PLANS, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION...
9. THE CONTRACTOR MUST ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS/REPORTS AND CONDITIONS OF APPROVAL...
10. 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...
11. WHEN INCLUDED AS ONE OF THE REFERENCED DOCUMENTS, THE GEOTECHNICAL REPORT, SPECIFICATIONS AND RECOMMENDATIONS SET FORTH THEREIN ARE PART OF THE CONTRACT DOCUMENTS...
12. ENGINEER OF RECORD AND BOHLER ARE NEITHER LIABLE NOR RESPONSIBLE FOR ANY SUBSURFACE CONDITIONS AND FURTHER, HAS NO LIABILITY FOR ANY HAZARDOUS MATERIALS, HAZARDOUS WASTES, OR OTHER ITEMS BEING REMOVED DURING THIS PROJECT...
13. 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...
14. 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 CONSTRUCTION...
15. DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION AND CONSTRUCTION WASTES, UNSUITABLE EXCAVATED MATERIAL, EXCESS SOIL AND BEDROCK (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...
16. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN RECORDS TO DEMONSTRATE PROPER AND FULLY COMPLIANT DISPOSAL ACTIVITIES, TO BE PROMPTLY PROVIDED TO THE OWNER UPON REQUEST...
17. 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...
18. THE ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR OBTAINING A CONTRACTUAL, LEGAL, OR OTHER RESPONSIBILITIES FOR JOB SITE SAFETY...
19. THE CONTRACTOR MUST IMMEDIATELY IDENTIFY IN WRITING, TO THE ENGINEER OF RECORD AND BOHLER, ANY DISCREPANCIES THAT MAY OR COULD AFFECT THE PROJECT...
20. THE ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR ANY INJURY OR DAMAGES RESULTING FROM THE CONTRACTOR'S FAILURE TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH THE APPROVED PLANS, AND CURRENT CODES, RULES, STATUTES AND THE LIKE...
21. ALL CONTRACTORS MUST CARRY AT LEAST THE MINIMUM AMOUNT OF THE SPECIFIED AND COMMERCIALLY REASONABLE STATUTORY WORKERS COMPENSATION INSURANCE...
22. 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...
23. 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 ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AS ADDITIONAL NAMED INSUREDS AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INSURE (DEFEND, PROTECT AND HOLD HARMLESS) BOHLER PARTIES FOR AND AGAINST ANY DAMAGES, INJURIES, CLAIMS, DAMAGES, ACTIONS, PENALTIES, EXPENSES, PUNITIVE DAMAGES, TORT DAMAGES, STATUTORY CLAIMS, STATUTORY CAUSES OF ACTION, LOSSES, CAUSES OF ACTION, LIABILITIES OR COSTS INCLUDING REASONABLE ATTORNEY'S FEES, DAMAGES AND COSTS THAT ENGINEER OF RECORD AND BOHLER INCURS AS A RESULT OF SUCH FAILURE OR FAILURE TO PRESERVE...
24. 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...
25. 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 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 COMPLETION OF THE WORK DEPICTED...
26. 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...
27. WHEN IT IS CLEARLY AND SPECIFICALLY WITHIN BOHLERS SCOPE OF SERVICES CONTRACTED WITH THE OWNER/DEVELOPER, BOHLER WILL REVIEW OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR'S SUBMITTALS SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES, MATERIALS, 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...
28. THE CONTRACTOR MUST MAINTAIN AND PRESERVE ALL PHYSICAL SITE FEATURES AND DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS IN STRICT ACCORDANCE WITH THE APPROVED PLANS AND DESIGN. AND FURTHER, THE ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR ANY FAILURE TO SO MAINTAIN OR PRESERVE THESE FEATURES...
29. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION ACTIVITIES AND MATERIALS COMPLY WITH AND CONFORM TO APPLICABLE 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...
30. THE CONTRACTOR MUST STRICTLY COMPLY WITH THE LATEST AND CURRENT OSHA STANDARDS AND REGULATIONS, AND ANY OTHER AGENCY WITH JURISDICTION OVER EXCAVATION AND TRENCHING PROCEDURES...
31. 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...
32. AGAINST THESE DRAWINGS AND ASSOCIATED DOCUMENTS PREPARED BY THE ENGINEER OF RECORD AND BOHLER, THE USE OF THE WORDS 'CERTIFY' OR 'VERIFY' DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE OF ANY NATURE OR TYPE, EITHER EXPRESSED OR IMPLIED, UNDER ANY CIRCUMSTANCES...

GENERAL DEMOLITION 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 ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES...
2. THE CONTRACTOR MUST CONDUCT DEMOLITION/REMOVALS ACTIVITIES IN SUCH A MANNER AS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, PARKWAYS, WALKWAYS, AND OTHER PUBLIC AREAS...
3. WHEN DEMOLITION-RELATED ACTIVITIES IMPACT ROADWAYS AND/OR ROADWAY RIGHT-OF-WAY, THE CONTRACTOR MUST PROVIDE TRAFFIC CONTROL AND DEMOLITION ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE CURRENT FEDERAL HIGHWAY ADMINISTRATION 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES' (MUTCD), AND THE FEDERAL AND COMMERCIAL CONSTRUCTION...
4. THE DEMOLITION (AND/OR REMOVAL) PLAN IS INTENDED TO PROVIDE GENERAL INFORMATION AND TO IDENTIFY ONLY CONDITIONS REGARDING ITEMS TO BE DEMOLISHED, REMOVED, AND/OR TO REMAIN...
4.1 THE CONTRACTOR MUST ALSO REVIEW ALL CONSTRUCTION DOCUMENTS AND INCLUDING WITHIN THE DEMOLITION ACTIVITIES ALL INCIDENTAL WORK NECESSARY FOR THE CONSTRUCTION...
4.2 THIS PLAN IS NOT INTENDED TO AND DOES NOT PROVIDE DIRECTION REGARDING THE MEANS, METHODS, SEQUENCING, TECHNIQUES AND PROCEDURES TO BE USED MUST BE IN STRICT ACCORDANCE AND CONFORMANCE WITH ALL STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS...
5. THE CONTRACTOR MUST PROVIDE ALL "METHODS AND MEANS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OFF SITE...
6. ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION...
7. THE CONTRACTOR IS RESPONSIBLE FOR JOB SITE SAFETY, WHICH MUST INCLUDE, BUT IS NOT LIMITED TO, THE INSTALLATION AND MAINTENANCE OF BARRIERS, FENCING, OTHER NECESSARY TO PROTECT THE PUBLIC FROM AREAS OF CONSTRUCTION...
8. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6' ABOVE PAVED GRADE UNLESS OTHERWISE NOTED...
9. 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 RISERS, GUTTERS, AND CURBS TO PROVIDE POSITIVE DRAINAGE...
10. PRIOR TO COMMENCING ANY DEMOLITION, THE CONTRACTOR MUST:
10.1 OBTAIN ALL REQUIRED PERMITS AND MAINTAIN THE SAME ON SITE FOR REVIEW BY THE ENGINEER AND ALL PUBLIC AGENCIES WITH JURISDICTION THROUGHOUT THE DURATION OF THE PROJECT...
10.2 NOTIFY, AT A MINIMUM, THE MUNICIPAL ENGINEER, DESIGN ENGINEER, AND LOCAL SOIL CONSERVATION JURISDICTION...
10.3 INSTALL THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE...
10.4 COMPLIANCE WITH STATE LAW...
10.5 LOCATE ALL UTILITIES AND SERVICES...
10.6 ARRANGE FOR AND COORDINATE WITH THE APPLICABLE UTILITY SERVICE PROVIDER(S) REGARDING WORKING "OFF-PEAK" HOURS...
10.7 THE CONTRACTOR MUST NOT PERFORM ANY EARLY MOVEMENT ACTIVITIES...
11. DEMOLITION ACTIVITIES AND EQUIPMENT MUST NOT USE OR INCLUDE AREAS OUTSIDE THE DEFINED PROJECT LIMIT LINE...
12. THE CONTRACTOR MUST BACKFILL ALL EXCAVATION RESULTING FROM OR INCIDENTAL TO, DEMOLITION ACTIVITIES...
13. EXPLOSIVES MUST NOT BE USED WITHOUT PRIOR WRITTEN CONSENT FROM BOTH THE OWNER AND ALL APPLICABLE, NECESSARY AND REQUIRED GOVERNMENTAL AUTHORITIES...
14. IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS...
15. PAVEMENT MUST BE SAW CUT IN STRAIGHT LINES...
16. THE CONTRACTOR MUST MAINTAIN A RECORD SET OF PLANS WHICH INDICATES THE LOCATION OF EXISTING UTILITIES...
17. THE CONTRACTOR MUST LOCATE AND IDENTIFY VERTICALLY AND HORIZONTALLY ALL ACTIVE AND INACTIVE UTILITY AND/OR SERVICE SYSTEMS...
18. THE CONTRACTOR SHALL FIELD LOCATE EXISTING UTILITIES PRIOR TO CONSTRUCTION...
19. CONTRACTOR SHALL INSPECT ALL EXISTING UTILITY STRUCTURES THAT ARE TO REMAIN FOR THE PROJECTS...
20. THE CONTRACTOR SHALL REVIEW THE PLANS VERSUS THE LOCATION OF EXISTING STRUCTURES, UTILITIES AND APPURTENANCES...
21. THE CONTRACTOR SHALL MAINTAIN ADJUST OR ABANDON EXISTING MONITORING WELLS...
22. THESE LIMITS OF WORK COINCIDES WITH PROPERTY LINE, TREE LINE, PROPOSED SAWCUT OR COMBINATION THEREOF...
23. EXISTING TREES TO REMAIN ARE TO BE PROTECTED DURING CONSTRUCTION...
24. CONTRACTOR SHALL REPAIR/REPLACE ANY TRAFFIC LOOP DETECTORS...
25. THE CONTRACTOR MUST FIELD VERIFY THE LOCATIONS WHERE PROPOSED UTILITIES CROSS EXISTING UNDERGROUND UTILITIES...
26. CONTRACTOR SHALL LOCATE ANY EXISTING UTILITY SERVICES THAT ARE TO BE TERMINATED AT THE EXISTING MAIN AND/OR PROPERTY LINE...
27. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS...
28. PRIOR TO THE COMMENCEMENT OF GENERAL CONSTRUCTION, THE CONTRACTOR MUST INSTALL SOIL EROSION CONTROL AND ANY STORMWATER POLLUTION PREVENTION...
29. THE CONTRACTOR MUST MAINTAIN ADJUST OR ABANDON EXISTING MONITORING WELLS...
30. ALL DIMENSIONS SHOWN ARE TO BOTTOM FACE OF CURB, EDGE OF PAVEMENT, OR EDGE OF BUILDING...
31. WHEN APPLICABLE, OWNER OPERATOR MUST FILE THE NOI FOR NPDES PERMITS AT APPROPRIATE AND/OR REQUIRED TFMRES BEFORE WORKING ON THE DESIRED PORTION OF CONSTRUCTION...
32. THE CONTRACTOR MUST FILE SITE SIGNAGE APPLICATION OR PERMIT UNDER SEPARATE APPLICATION UNLESS DONE SO AS PART OF JURISDICTIONAL PERMITTING PROCEDURES...
33. THE CONTRACTOR MUST REPAIR OR REPLACE, AT THE CONTRACTORS SOLE COST AND EXPENSE, ALL SIDEWALKS, CURBS, PAVEMENT MARKINGS, AND PAVEMENT DAMAGED BY CONSTRUCTION ACTIVITIES...
34. WORK WITHIN THE RIGHT-OF-WAY MUST BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS AND STANDARDS...
35. WHERE RETAINING WALLS ARE IDENTIFIED ON THE PLANS, TOP AND BOTTOM OF WALL WIDTHS DO NOT REPRESENT THE ACTUAL WIDTH OF THE PROPOSED WALL...
36. THE CONTRACTOR IS CAUTIONED OF EXISTING UTILITY SERVICES TO REMAIN IN PROXIMITY TO PROPOSED BOLLARDS AND SIGNS...

GENERAL GRADING 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 ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES...
2. SITE GRADING MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT...
3. THE CONTRACTOR IS REQUIRED TO SECURE ALL NECESSARY AND/OR REQUIRED PERMITS AND APPROVALS FOR ALL OFF-SITE MATERIAL SOURCES AND DISPOSAL FACILITIES...
4. THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFYING EXISTING TOPOGRAPHIC INFORMATION AND UTILITY VERIFICATION ELEVATIONS PRIOR TO COMMENCING ANY CONSTRUCTION...
5. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING ALL UNSUITABLE MATERIALS WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT...
6. IN THE EVENT OF A DISCREPANCY(IES) AND/OR CONFLICT(S) BETWEEN THE PLANS, OR RELATIVE TO OTHER PLANS, THE GRADING PLAN TAKES PRECEDENCE...
7. THE CONTRACTOR IS RESPONSIBLE TO IMPORT FILL OR EXPORT EXCESS MATERIAL AS NECESSARY TO CONFORM TO THE PROPOSED GRADING...
8. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6' ABOVE PAVED GRADE UNLESS OTHERWISE NOTED...
9. THE CONTRACTOR MUST CONFIRM AND ENSURE THAT AS CONSTRUCTED IMPROVEMENTS CREATE THE FOLLOWING MINIMUM SLOPES...
10. WHERE RETAINING WALLS ARE IDENTIFIED ON THE PLANS, TOP AND BOTTOM OF WALL ELEVATIONS (TW & BV) REPRESENT THE PROPOSED FINISHED GRADE...
11. MSE OR GRANITLY BLOCK WALLS SHALL BE CONSTRUCTED SUCH THAT UPON COMPLETION OF CONSTRUCTION THERE IS NO UNFINISHED SURFACE OR LIFTING THROUGHOUT THE DURATION OF THE PROJECT...
12. STORMWATER RUNOFF WITHIN PROPERTY MUST BE COLLECTED ON-SITE WITH NO OVERLAND RUNOFF...
13. BEFORE COMMENCING GRADING WORK, CONTRACTOR SHALL SUBMIT SAMPLES OF ALL NATIVE AND IMPORTED MATERIALS...
14. REFER TO GENERAL NOTES SHEET FOR ADDITIONAL ADA GUIDELINES AND REQUIREMENTS...
15. FOR ALL RETAINING WALLS (USE CLASS 3), ALL OTHER OFFICES USE A FEET OR GREATER IN HEIGHT...
16. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES AND APPURTENANCES...
17. CONTRACTOR SHALL INSTALL CONCRETE CURB ALONG FACE OF BUILDING...
18. CONTRACTOR SHALL COORDINATE WITH OWNER/PROVIDER TO REVIEW EXISTING DRAINAGE WITHIN EXISTING PAVEMENT AREAS...
19. BEFORE COMMENCING GRADING WORK, CONTRACTOR SHALL SUBMIT SAMPLES OF ALL NATIVE AND IMPORTED MATERIALS...
20. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS...
21. LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE...
22. THE CONTRACTOR MUST VERTICALLY AND HORIZONTALLY LOCATE ALL UTILITIES AND SERVICES INCLUDING, BUT NOT LIMITED TO, GAS, WATER, ELECTRIC, SANITARY AND STORM...
23. DURING THE INSTALLATION OF SANITARY, STORM, AND ALL UTILITIES, THE CONTRACTOR MUST MAINTAIN A CONTEMPORANEOUS AND THOROUGH RECORD OF CONSTRUCTION...
24. THE CONTRACTOR SHALL MAINTAIN ADJUST OR ABANDON EXISTING MONITORING WELLS...
25. THE CONTRACTOR SHALL ENSURE THAT ALL UTILITY TRENCHES LOCATED IN EXISTING PAVED ROADWAYS INCLUDING SANITARY, WATER AND STORM SYSTEMS...
26. FINISH LOCATIONS OF PROPOSED UTILITY POLES, AND/OR POLES TO BE RELOCATED ARE AT THE SOLE DISCRETION OF THE RESPECTIVE UTILITY COMPANY...
27. WATER SERVICE MATERIALS, BURIAL, DEPTH AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY...
28. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT MUST BE ADJUSTED...
29. THE CONTRACTOR'S PRICE FOR WATER AND SEWER SERVICE INSTALLATIONS MUST INCLUDE ALL FEES, COSTS, AND APPURTENANCES...
30. ALL WORK ASSOCIATED WITH UTILITY POLES, OVERHEAD WIRES AND ANY/ALL APPURTENANCES SHALL BE COORDINATED BY THE GC WITH THE LOCAL UTILITY COMPANIES...
31. SEWERS CONVEYING SANITARY FLOW, OR INDUSTRIAL FLOW MUST BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET...
32. PER PIPES GREATER THAN 12 FEET DEEP...
33. PER ALL UTILITY PIPING (INCLUDING DRAIN) WITHIN 10' OF A BUILDING...
34. CONTRACTOR SHALL VERIFY THE CONNECTION OF EXTERIOR PIPING TO ANY FIXTURES...
35. WATER MAIN PIPING MUST BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL WATER COMPANY...
36. GAS METERS MUST BE PROTECTED AS REQUIRED BY THE JURISDICTIONAL CITY ENGINEER...

GENERAL DRAINAGE & UTILITY 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 ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES...
2. LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE...
3. THE CONTRACTOR MUST VERTICALLY AND HORIZONTALLY LOCATE ALL UTILITIES AND SERVICES INCLUDING, BUT NOT LIMITED TO, GAS, WATER, ELECTRIC, SANITARY AND STORM...
4. THE CONTRACTOR MUST FIELD VERIFY THE PROPOSED INTERSECTION POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES BY USING A TEST PIT...
5. STORMWATER RUNOFF DATA LOCATIONS ARE BASED ON ARCHITECTURAL PLANS...
6. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SITE PLAN DOCUMENTS AND ARCHITECTURAL PLANS FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS...
7. THE CONTRACTOR MUST FIELD VERIFY THE PROPOSED INTERSECTION POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES...
8. STORMWATER RUNOFF DATA LOCATIONS ARE BASED ON ARCHITECTURAL PLANS...
9. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SITE PLAN DOCUMENTS AND ARCHITECTURAL PLANS...
10. THE CONTRACTOR MUST FIELD VERIFY THE PROPOSED INTERSECTION POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES...
11. WATER SERVICE MATERIALS, BURIAL, DEPTH AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY...
12. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT MUST BE ADJUSTED...
13. THE CONTRACTOR'S PRICE FOR WATER AND SEWER SERVICE INSTALLATIONS MUST INCLUDE ALL FEES, COSTS, AND APPURTENANCES...
14. ALL WORK ASSOCIATED WITH UTILITY POLES, OVERHEAD WIRES AND ANY/ALL APPURTENANCES SHALL BE COORDINATED BY THE GC WITH THE LOCAL UTILITY COMPANIES...
15. SEWERS CONVEYING SANITARY FLOW, OR INDUSTRIAL FLOW MUST BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET...
16. PER PIPES GREATER THAN 12 FEET DEEP...
17. PER ALL UTILITY PIPING (INCLUDING DRAIN) WITHIN 10' OF A BUILDING...
18. CONTRACTOR SHALL VERIFY THE CONNECTION OF EXTERIOR PIPING TO ANY FIXTURES...
19. WATER MAIN PIPING MUST BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL WATER COMPANY...
20. GAS METERS MUST BE PROTECTED AS REQUIRED BY THE JURISDICTIONAL CITY ENGINEER...

- 1. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES...
2. LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE...
3. THE CONTRACTOR MUST VERTICALLY AND HORIZONTALLY LOCATE ALL UTILITIES AND SERVICES INCLUDING, BUT NOT LIMITED TO, GAS, WATER, ELECTRIC, SANITARY AND STORM...
4. THE CONTRACTOR MUST FIELD VERIFY THE PROPOSED INTERSECTION POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES...
5. STORMWATER RUNOFF DATA LOCATIONS ARE BASED ON ARCHITECTURAL PLANS...
6. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SITE PLAN DOCUMENTS AND ARCHITECTURAL PLANS...
7. THE CONTRACTOR MUST FIELD VERIFY THE PROPOSED INTERSECTION POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES...
8. STORMWATER RUNOFF DATA LOCATIONS ARE BASED ON ARCHITECTURAL PLANS...
9. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SITE PLAN DOCUMENTS AND ARCHITECTURAL PLANS...
10. THE CONTRACTOR MUST FIELD VERIFY THE PROPOSED INTERSECTION POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES...
11. WATER SERVICE MATERIALS, BURIAL, DEPTH AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY...
12. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT MUST BE ADJUSTED...
13. THE CONTRACTOR'S PRICE FOR WATER AND SEWER SERVICE INSTALLATIONS MUST INCLUDE ALL FEES, COSTS, AND APPURTENANCES...
14. ALL WORK ASSOCIATED WITH UTILITY POLES, OVERHEAD WIRES AND ANY/ALL APPURTENANCES SHALL BE COORDINATED BY THE GC WITH THE LOCAL UTILITY COMPANIES...
15. SEWERS CONVEYING SANITARY FLOW, OR INDUSTRIAL FLOW MUST BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET...
16. PER PIPES GREATER THAN 12 FEET DEEP...
17. PER ALL UTILITY PIPING (INCLUDING DRAIN) WITHIN 10' OF A BUILDING...
18. CONTRACTOR SHALL VERIFY THE CONNECTION OF EXTERIOR PIPING TO ANY FIXTURES...
19. WATER MAIN PIPING MUST BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL WATER COMPANY...
20. GAS METERS MUST BE PROTECTED AS REQUIRED BY THE JURISDICTIONAL CITY ENGINEER...

GENERAL SITE 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 ARE REFERENCED HEREIN, AND THE CONTRACTOR MUST REFER TO THEM AND FULLY COMPLY WITH THESE NOTES...
2. PRIOR TO THE COMMENCEMENT OF GENERAL CONSTRUCTION, THE CONTRACTOR MUST INSTALL SOIL EROSION CONTROL AND ANY STORMWATER POLLUTION PREVENTION...
29. THE CONTRACTOR MUST MAINTAIN ADJUST OR ABANDON EXISTING MONITORING WELLS...
30. ALL DIMENSIONS SHOWN ARE TO BOTTOM FACE OF CURB, EDGE OF PAVEMENT, OR EDGE OF BUILDING...
31. WHEN APPLICABLE, OWNER OPERATOR MUST FILE THE NOI FOR NPDES PERMITS...
32. THE CONTRACTOR MUST FILE SITE SIGNAGE APPLICATION OR PERMIT UNDER SEPARATE APPLICATION UNLESS DONE SO AS PART OF JURISDICTIONAL PERMITTING PROCEDURES...
33. THE CONTRACTOR MUST REPAIR OR REPLACE, AT THE CONTRACTORS SOLE COST AND EXPENSE, ALL SIDEWALKS, CURBS, PAVEMENT MARKINGS, AND PAVEMENT DAMAGED BY CONSTRUCTION ACTIVITIES...
34. WORK WITHIN THE RIGHT-OF-WAY MUST BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS AND STANDARDS...
35. WHERE RETAINING WALLS ARE IDENTIFIED ON THE PLANS, TOP AND BOTTOM OF WALL WIDTHS DO NOT REPRESENT THE ACTUAL WIDTH OF THE PROPOSED WALL...
36. THE CONTRACTOR IS CAUTIONED OF EXISTING UTILITY SERVICES TO REMAIN IN PROXIMITY TO PROPOSED BOLLARDS AND SIGNS...
37. THE CONTRACTOR MUST MAINTAIN ADJUST OR ABANDON EXISTING MONITORING WELLS...
38. ALL DIMENSIONS SHOWN ARE TO BOTTOM FACE OF CURB, EDGE OF PAVEMENT, OR EDGE OF BUILDING...
39. WHEN APPLICABLE, OWNER OPERATOR MUST FILE THE NOI FOR NPDES PERMITS...
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42. WORK WITHIN THE RIGHT-OF-WAY MUST BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS AND STANDARDS...
43. WHERE RETAINING WALLS ARE IDENTIFIED ON THE PLANS, TOP AND BOTTOM OF WALL WIDTHS DO NOT REPRESENT THE ACTUAL WIDTH OF THE PROPOSED WALL...
44. THE CONTRACTOR IS CAUTIONED OF EXISTING UTILITY SERVICES TO REMAIN IN PROXIMITY TO PROPOSED BOLLARDS AND SIGNS...
45. THE CONTRACTOR MUST MAINTAIN ADJUST OR ABANDON EXISTING MONITORING WELLS...
46. ALL DIMENSIONS SHOWN ARE TO BOTTOM FACE OF CURB, EDGE OF PAVEMENT, OR EDGE OF BUILDING...
47. WHEN APPLICABLE, OWNER OPERATOR MUST FILE THE NOI FOR NPDES PERMITS...
48. THE CONTRACTOR MUST FILE SITE SIGNAGE APPLICATION OR PERMIT UNDER SEPARATE APPLICATION UNLESS DONE SO AS PART OF JURISDICTIONAL PERMITTING PROCEDURES...
49. THE CONTRACTOR MUST REPAIR OR REPLACE, AT THE CONTRACTORS SOLE COST AND EXPENSE, ALL SIDEWALKS, CURBS, PAVEMENT MARKINGS, AND PAVEMENT DAMAGED BY CONSTRUCTION ACTIVITIES...
50. WORK WITHIN THE RIGHT-OF-WAY MUST BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS AND STANDARDS...
51. WHERE RETAINING WALLS ARE IDENTIFIED ON THE PLANS, TOP AND BOTTOM OF WALL WIDTHS DO NOT REPRESENT THE ACTUAL WIDTH OF THE PROPOSED WALL...
52. THE CONTRACTOR IS CAUTIONED OF EXISTING UTILITY SERVICES TO REMAIN IN PROXIMITY TO PROPOSED BOLLARDS AND SIGNS...

ABBREVIATIONS

Table with 2 columns: KEY and DESCRIPTION. Includes entries for ARCH (ARCHITECT), BC (BACK OF CURB), BENCH (BENCHMARK), BOW (BOTTOM OF CURB), BOW (BOTTOM OF WALL), BLDG (BUILDING), CONC. (CONCRETE), DEC (DEGREE), DEP (DEPRESSED), DIA (DIAMETER), DMH (DRAIN MANHOLE), D/F (DUCTILE IRON PIPE), EOP (EDGE OF PAVEMENT), ELEV (ELEVATION), EXST (EXISTING), FIN (FINISH FLOOR), FFE (FINISH FLOOR ELEVATION), GC (GENERAL CONTRACTOR), GRT (GRATE), HDPE (HIGH DENSITY POLYETHYLENE PIPE), HIP (HIGH POINT), INT (INTERSECTION), INV (INVERT), LNS.A (LANDSCAPE AREA), LOD (LIMIT OF DISTURBANCE), LOM (LIMIT OF WORK), LP (LINEAR FOOT / FEET), L/P (LOW POINT), MAX (MAXIMUM), MECH (MECHANICAL, ELECTRICAL, PLUMBING), MET OR MATCH EXISTING, MIN (MINIMUM), N.# (NUMBER), P (PLUS OR MINUS), P (POINT), P.I. (POINT OF INTERSECTION), P.T. (POINT OF TANGENCY), PVI (POINT OF VERTICAL INTERSECTION), PVC (POLYVINYL CHLORIDE PIPE), PROP (PROPOSED), R (RADIUS OR CURVE), RCP (REINFORCED CONCRETE PIPE), R.O.W. (RIGHT-OF-WAY), SAN (SANITARY), SMH (SEWER MANHOLE), S (SLOPE), SF (SQUARE FOOT), STA (STATION), STM (STORM), T/B (TO BE REMOVED), T/B/R (TO BE REMOVED AND REPLACED), TC (TOP OF CURB), TW (TOP OF WALL), TPF (TRIP PROTECTION FENCE), TYPICAL, UNG (UNDERGROUND), V.I.F. (VERIFY IN FIELD), W (WIDTH)

TYPICAL LINE TYPE LEGEND

Table showing typical line type legends for various features: PROPERTY LINE, ADJACENT PROPERTY, RIGHT-OF-WAY CENTER OR BASE LINE, APPROX. LIMIT OF WORK OR DISTURBANCE, APPROX. SAWCUT LINE, TREE LINE, SURFACE OR SUBSURFACE BASIN, OVERHEAD WIRES, FENCE OR RAILING, RETAINING WALL, CONTOURS, SWALE, RIDGE, DRAIN PIPE, SEWER PIPE, SEWER FORCE MAIN, ELECTRIC, TELECOMMUNICATION S, CABLE TV, GAS, WATER

BOHLER ENGINEERING logo and contact information. Logo features a stylized 'B' with a vertical line through it. Text: BOHLER ENGINEERING, CIVIL AND CONSULTING ENGINEERING, PROGRAM MANAGEMENT, LANDSCAPE ARCHITECTURE, SUSTAINABLE DESIGN, PERMITTING SERVICES, TRANSPORTATION SERVICES.

Table with 5 columns: REV, DATE, COMMENT, DRAWN BY. Contains revision data for planning board comments and updates. Includes a 811 logo at the bottom right.

EXISTING CONDITIONS NOTES

- NOTES:
1) BENCH MARK INFORMATION:
ELEVATIONS ESTABLISHED FROM GPS OBSERVATIONS
TEMPORARY BENCHMARKS SET:
1) BM-EC1: 20' OF MAG NAIL SET IN ASPHALT CART PATH AS SHOW HEREIN (SEE SHEET 4) ELEVATION=216.32
2) BM-EC2: 10' OF MAG NAIL SET IN ASPHALT CART PATH AS SHOW HEREIN (SEE SHEET 4) ELEVATION=241.05
2) ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAD83).
3) CONTOUR INTERVAL EQUALS ONE (1) FOOT.
4) BY GRAPHIC PLOTTING ONLY, THE PARCELS SHOWN HEREIN ARE WITHIN A ZONE "X" (UNSHADED). AN AREA OUTSIDE OF THE 0.2% ANNUAL FLOOD INUNDATION ZONE "A" AREA WITHIN FLOOD ELEVATION DETERMINED AS SHOWN ON THE GENERAL ENGINEERING MANAGEMENT Agency (E.M.A.) FLOOD INSURANCE RATE MAP (F.I.R.M.) FOR NORFOLK COUNTY, MASSACHUSETTS, (ALL JURISDICTIONS) MAP NUMBER 200210302E, HAVING AN EFFECTIVE DATE OF JULY 17 2012.
5) THIS DOCUMENT IS AN INSTRUMENT OF SERVICE OF FELDMAN LAND SURVEYORS ISSUED TO OUR CLIENT FOR PURPOSES RELATED DIRECTLY SOLELY TO FIELD AND LAND SURVEYORS SCOPE OF SERVICES UNDER CONTRACT TO OUR CLIENT FOR THE PROJECT. ANY USE OR REUSE OF THIS DOCUMENT FOR ANY REASON BY ANY PARTY OTHER THAN OUR CLIENT IS PROHIBITED. ANY SUCH REUSE OR REPRODUCTION OF THIS DOCUMENT AND EXCLUSIVE RISK LIABILITY, INCLUDING LIABILITY FOR VIOLATION OF COPYRIGHT LAWS, UNLESS WRITTEN CONSENT IS PROVIDED BY FELDMAN LAND SURVEYORS.
6) UTILITY INFORMATION SHOWN IS BASED ON BOTH A FIELD SURVEY AND PLANS OF RECORD...
7) THE WETLAND AREAS SHOWN WERE Delineated BY LEC ENVIRONMENTAL DURING FEBRUARY AND MARCH OF 2022.

PROPOSED SITE PLAN DOCUMENTS

FOR NEXTGRID MESCALBEAN LLC PROPOSED SOLAR FARM. Includes project location, contact information, and drawing details. Text: PROJECT: MESCALBEAN LLC PROPOSED SOLAR FARM. LOTS INCLUDED (PARCEL No.:239-009, F 239-010, G 239-011, H 239-010, I 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010, 26-0009S), 160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS. 352 TURNPIKE ROAD SOUTHBOROUGH, MA 01772. Phone: (508) 480-9900. www.BohlerEngineering.com

BOHLER ENGINEERING logo and contact information. Includes a seal from the State of Massachusetts. Text: BOHLER ENGINEERING, CIVIL AND CONSULTING ENGINEERING, PROGRAM MANAGEMENT, LANDSCAPE ARCHITECTURE, SUSTAINABLE DESIGN, PERMITTING SERVICES, TRANSPORTATION SERVICES. SHEET TITLE: GENERAL NOTES SHEET C-102. REFERENCE TO SITE LAYOUT PLAN FOR ZONING ANALYSIS TABLE AND LAND USE / ZONING INFORMATION & NOTES. REFER TO EROSION AND SEDIMENT CONTROL NOTES & DETAILS SHEET FOR TYPICAL EROSION NOTES AND DETAILS. SHEET NUMBER: C-102. REVISION 4 - 8/01/2023



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1	06/07/2023	PLANNING BOARD COMMENTS	OCR
2	07/10/2023	PLANNING BOARD COMMENTS	OCR
3	7/19/2023	PER SURVEY UPDATES	GD
4	8/01/2023	PARCEL AREA REFERENCES	AP

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PROJECT No.: W201257
 DRAWN BY: EVD / CMC / OCR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD ID: W201257-DEMO-4A

PROPOSED SITE PLAN DOCUMENTS
 FOR
NEXTGRID MESCALBEAN LLC
 PROPOSED SOLAR FARM

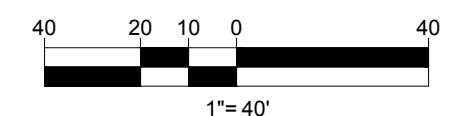
LOTS INCLUDED (PARCEL #): 239-009, F 239-010, G 239-010, H 239-010, I 239-010, 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010, 26-0009
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TBR. = TO BE REMOVED

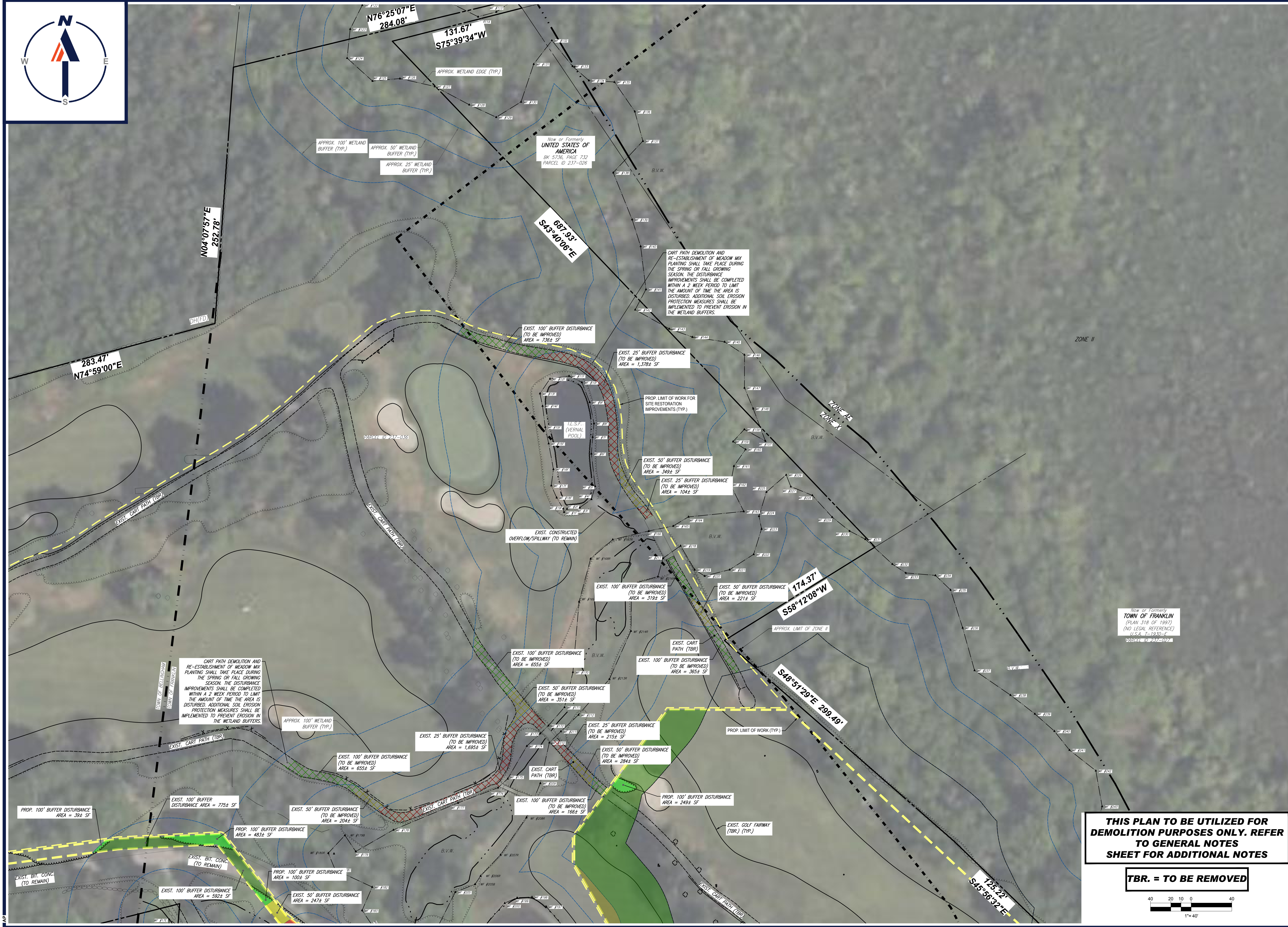


SHEET TITLE:
DEMOLITION PLAN A

SHEET NUMBER:
C-202

REVISION 4 - 8/01/2023

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3	7/19/2023	PER SURVEY UPDATES	GD
4	8/01/2023	PARCEL AREA REFERENCES	AP

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 FOR
NEXTGRID MESCALBEAN LLC
 PROPOSED SOLAR FARM

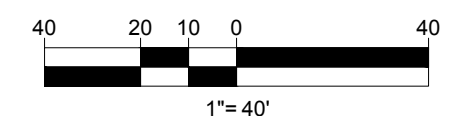
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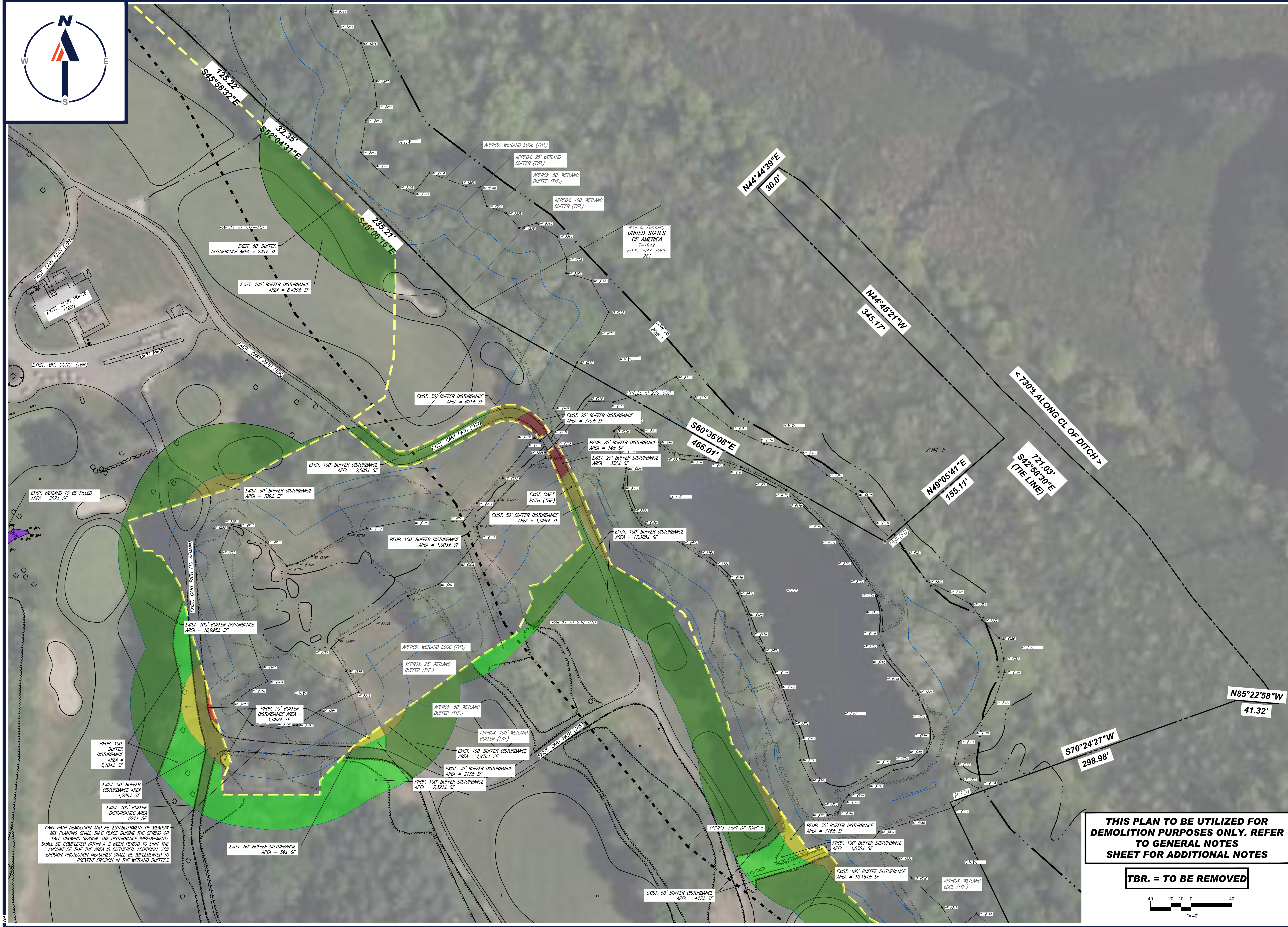


SHEET TITLE:
DEMOLITION PLAN B

SHEET NUMBER:
C-203

REVISION 4 - 8/01/2023

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1	06/07/2023	PLANNING BOARD COMMENTS	OCR
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3	7/19/2023	PER SURVEY UPDATES	AP
4	8/01/2023	PARCEL AREA REFERENCES	AP

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PROJECT No.: W201257
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 CHECKED BY: GD
 DATE: 04/13/2023
 CAD ID: W201257-DEMO-4A

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
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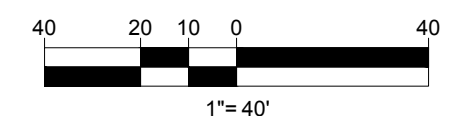
SHEET TITLE:
DEMOLITION PLAN D

SHEET NUMBER:
C-205

REVISION 4 - 8/01/2023

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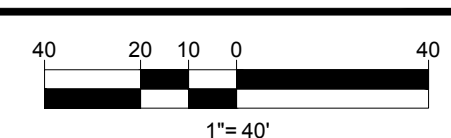
Now or Formerly
LMP PROPERTIES, LLC
 BOOK 32050, PAGE 99
 PARCEL ID 32-0007

Now or Formerly
LMP PROPERTIES, LLC
 BOOK 32050, PAGE 99
 PARCEL ID 239-011



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 CAD ID: W201257-DEMO-4A

PROJECT:

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
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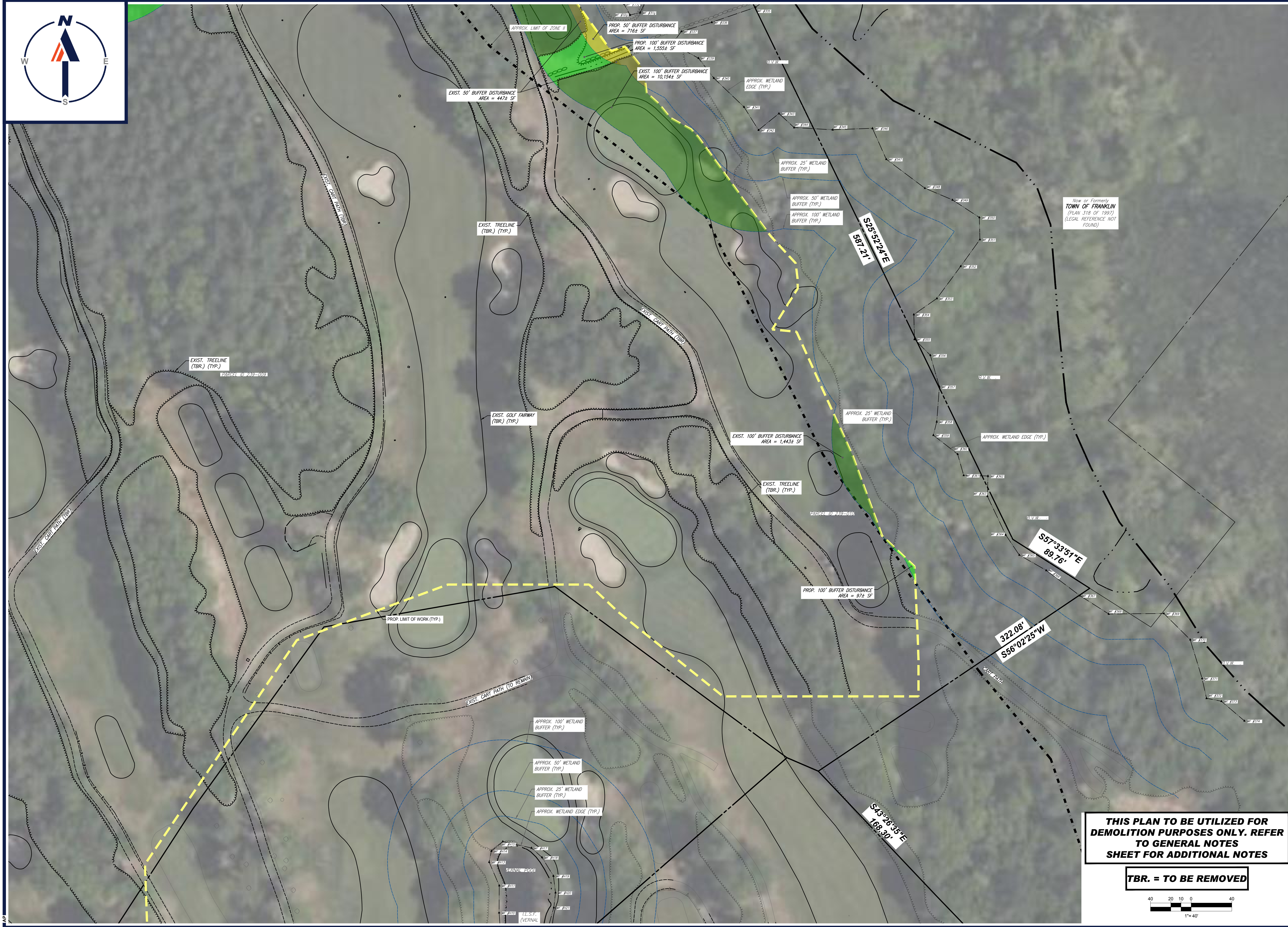
SHEET TITLE:

DEMOLITION PLAN E

SHEET NUMBER:
C-206

REVISION 4 - 8/01/2023

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2	07/10/2023	PLANNING BOARD COMMENTS	OCR
3	7/19/2023	PER SURVEY UPDATES	AP
4	8/01/2023	PARCEL AREA REFERENCES	AP

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 CAD ID: W201257-DEMO-4A

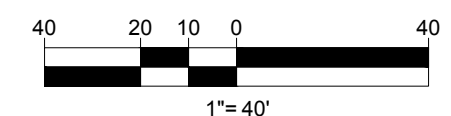
PROPOSED SITE PLAN DOCUMENTS
 FOR
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 PROPOSED SOLAR FARM
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SHEET TITLE:
DEMOLITION PLAN F
 SHEET NUMBER:
C-207
 REVISION 4 - 8/01/2023

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MAPLE STREET
1929 COUNTY LAYOUT
(PUBLIC - 50' WIDE)
N21°38'12"W
326.77'

Now or Formerly
JOHN BOCCI
BOOK 913, PAGE 50
PARCEL ID 26-00104
(REGISTERED LAND)

Now or Formerly
GRAY WALL REALTY TRUST
BOOK 756, PAGE 137
PARCEL ID 26-0006A
(REGISTERED LAND)

Now or Formerly
GRAY WALL REALTY TRUST
BOOK 30969, PAGE 532
PARCEL ID 20-0062

Now or Formerly
MAPLEGATE REALTY TRUST
BOOK 9390, PAGE 162
PARCEL ID 26-0009

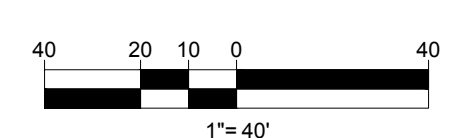
Now or Formerly
LMP PROPERTIES, LLC
BOOK 32050, PAGE 88
PARCEL ID 26-00104

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- APPROX. 100' WETLAND BUFFER (TYP.)
- APPROX. 50' WETLAND BUFFER (TYP.)
- APPROX. 25' WETLAND BUFFER (TYP.)
- APPROX. WETLAND EDGE (TYP.)

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 GENERAL NOTES SHEET FOR ADDITIONAL NOTES



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REVISIONS

REV	DATE	COMMENT	CHECKED BY
1	06/07/2023	PLANNING BOARD COMMENTS	OCR
2	07/10/2023	PLANNING BOARD COMMENTS	GD
3	7/19/2023	PER SURVEY UPDATES	GD
4	8/01/2023	PARCEL AREA REFERENCES	AP

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PROJECT No.: W201257
DRAWN BY: EVD / CMC / OCR
CHECKED BY: GD
DATE: 04/13/2023
CAD ID: W201257-SPPD-4A

PROJECT:

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

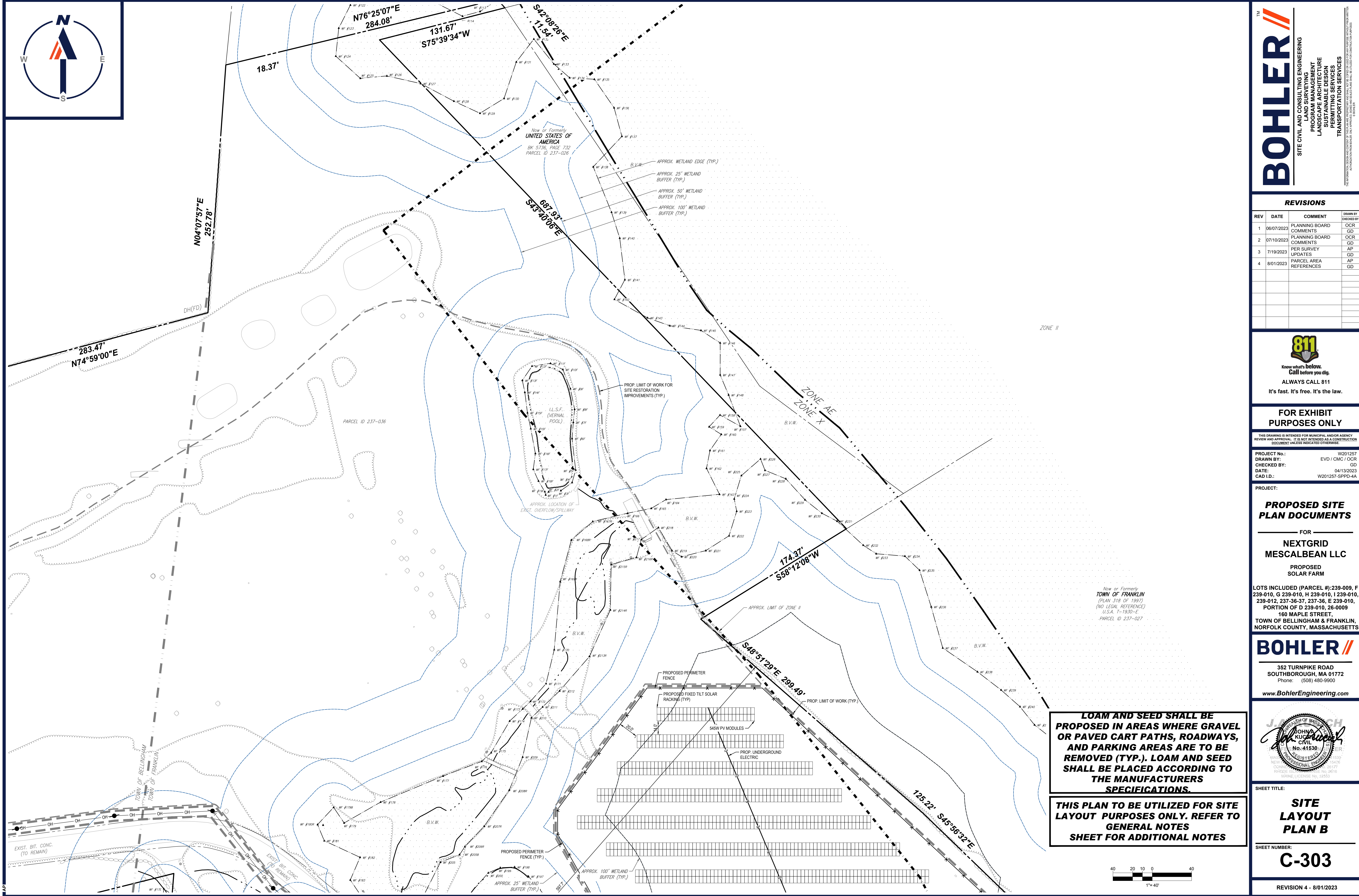
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352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
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SHEET TITLE:
SITE LAYOUT PLAN A

SHEET NUMBER:
C-302

REVISION 4 - 8/01/2023



P:\DWG\2023\CADD\DRAWINGS\PLAN SET\CIVIL SITE PLANS\W2023\2257-SPDP-4A-1-1-24\LAYOUT1-C-303-SITE B

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 TRANSPORTATION SERVICES

REVISIONS

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2	07/10/2023	PLANNING BOARD COMMENTS	GD
3	7/19/2023	PER SURVEY UPDATES	AP
4	8/01/2023	PARCEL AREA REFERENCES	AP

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 DRAWN BY: EVD / CMC / OCR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD ID: W201257-SPDP-4A

PROJECT:
PROPOSED SITE PLAN DOCUMENTS
 FOR
NEXTGRID MESCALBEAN LLC
 PROPOSED SOLAR FARM

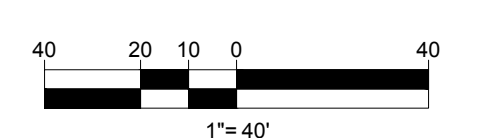
LOTS INCLUDED (PARCEL #): 239-009, F 239-010, G 239-010, H 239-010, I 239-010, 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010, 26-0009
 160 MAPLE STREET,
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LOAM AND SEED SHALL BE REMOVED IN AREAS WHERE GRAVEL OR PAVED CART PATHS, ROADWAYS, 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 GENERAL NOTES SHEET FOR ADDITIONAL NOTES



SHEET TITLE:
SITE LAYOUT PLAN B
 SHEET NUMBER:
C-303
 REVISION 4 - 8/01/2023

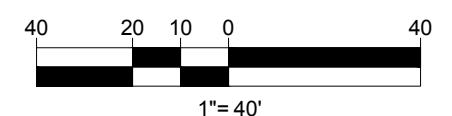


Now or Formerly
LMP PROPERTIES, LLC
BOOK 32050,
PAGE 88
PARCEL ID 26-00104

Now or Formerly
LMP PROPERTIES, LLC
BOOK 32050, PAGE 88
PARCEL ID 26-00108

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.

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REV	DATE	COMMENT	DRAWN BY	CHECKED BY
1	06/07/2023	PLANNING BOARD COMMENTS	OCR	GD
2	07/10/2023	PLANNING BOARD COMMENTS	GD	AP
3	7/19/2023	PER SURVEY UPDATES	AP	GD
4	8/01/2023	PARCEL AREA REFERENCES	AP	GD

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PROJECT No.: W201257
DRAWN BY: EVD / CMC / OCR
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DATE: 04/13/2023
CAD ID.: W201257-SPPD-4A

PROJECT:

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
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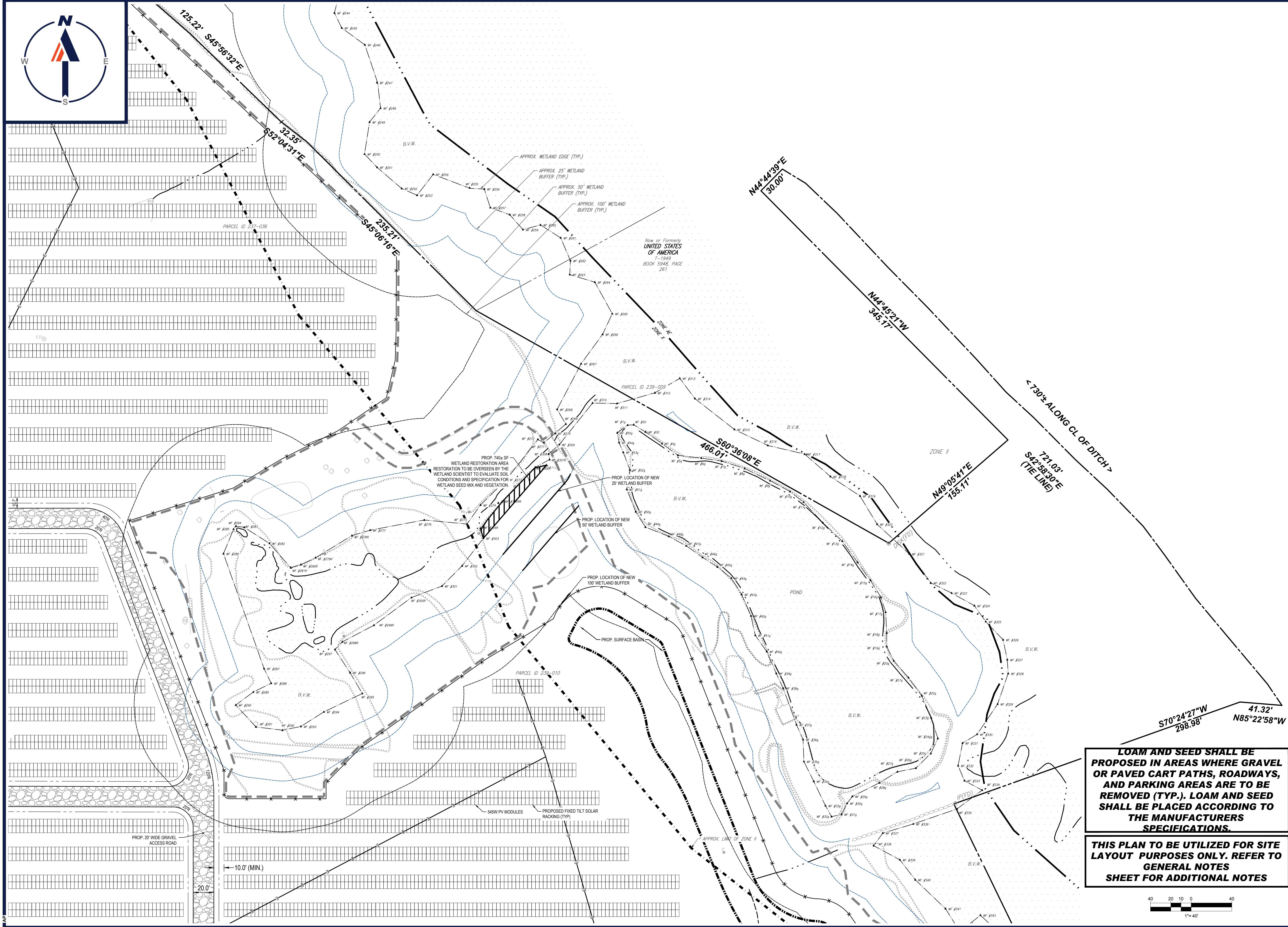


SHEET TITLE:
SITE LAYOUT PLAN C

SHEET NUMBER:
C-304

REVISION 4 - 8/01/2023

P:\01\2023\CADD\DRAWINGS\PLAN SET\CIVIL SITE PLANS\W201257-SPPD-4A-1-LAYOUT C-304-BITE C



P:\01\2013\7\CAD\DRAWINGS\PLAN SET\CIVIL SITE PLANS\W201257-SPPD-4A-1-1\LAYOUT C-305-BITE.D

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 CHECKED BY: GD
 DATE: 04/13/2023
 CAD ID: W201257-SPPD-4A

PROJECT:
PROPOSED SITE PLAN DOCUMENTS
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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
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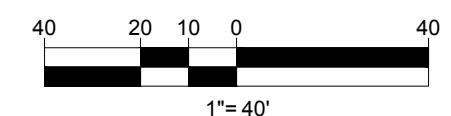
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J. BOHLER
 JOHN BOHLER
 No. 41530
 REGISTERED PROFESSIONAL ENGINEER
 MAINE LICENSE No. 12553

SHEET TITLE:
SITE LAYOUT PLAN D
 SHEET NUMBER:
C-305
 REVISION 4 - 8/01/2023

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.

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P:\01\201257\CADD\DRAWINGS\PLAN SET\CIVIL SITE PLANS\W201257-GRAD-4A---LAYOUT: C-401 GRAD OVERALL

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3	7/19/2023	PER SURVEY UPDATES	AP
4	8/01/2023	PARCEL AREA REFERENCES	AP

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 DRAWN BY: EVD / CMC / OCR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD ID: W201257-GRAD-4A

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
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SHEET TITLE:
OVERALL GRADING PLAN

SHEET NUMBER:
C-401

REVISION 4 - 8/01/2023

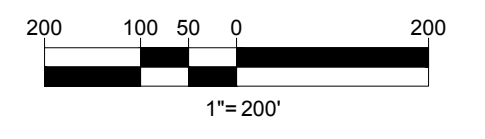
THE PURPOSE OF THE OVERALL PLAN SHEET IS TO BE UTILIZED AS A SITE KEY MAP, TO PROVIDE SITE FEATURE LOCATIONS ONLY. PLEASE REFER TO EACH INDIVIDUAL SHEET FOR MORE INFORMATION.

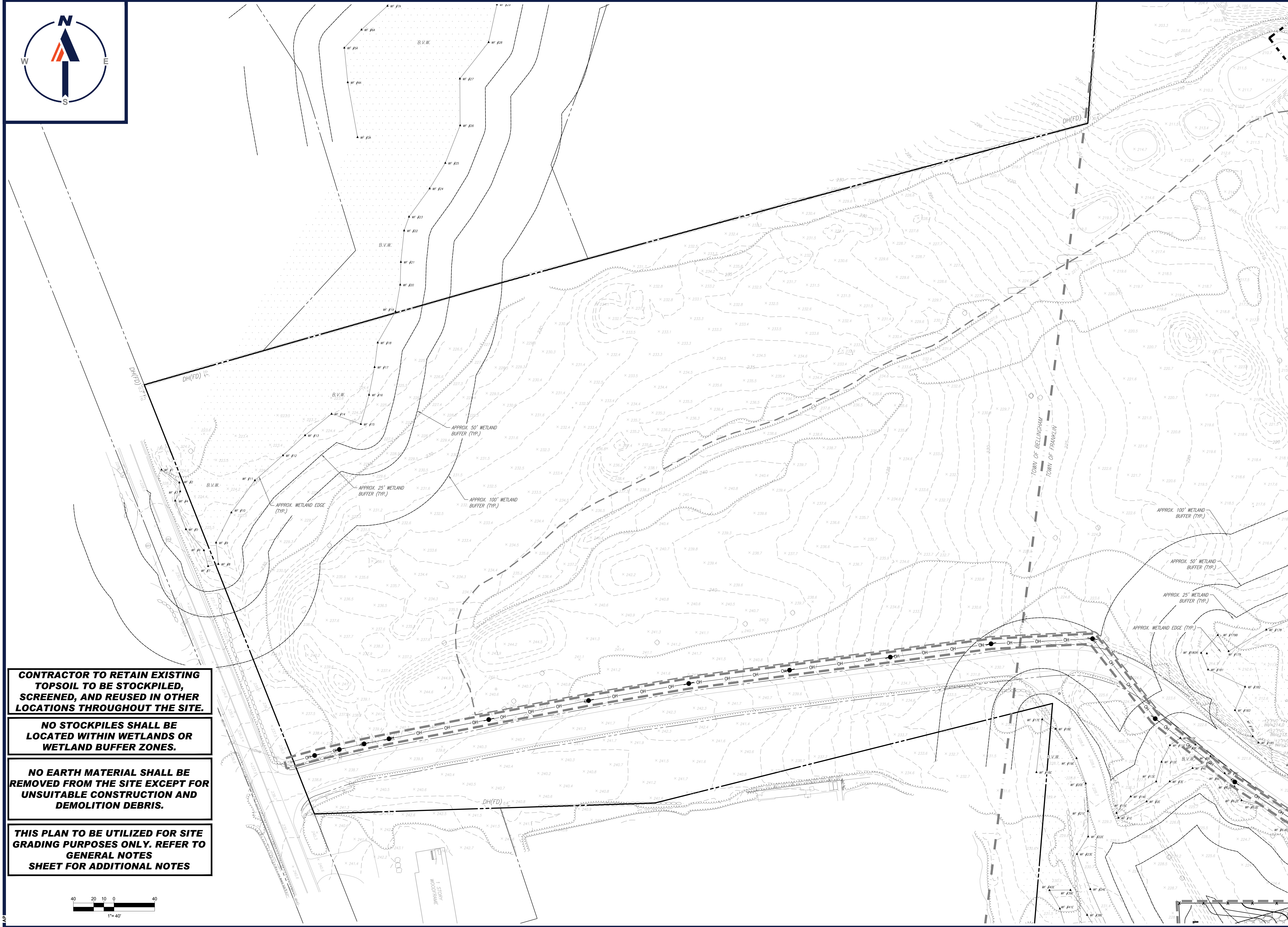
CONTRACTOR TO RETAIN EXISTING TOPSOIL TO BE STOCKPILED, SCREENED, AND REUSED IN OTHER LOCATIONS THROUGHOUT THE SITE.

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 GRADING & UTILITY NOTES



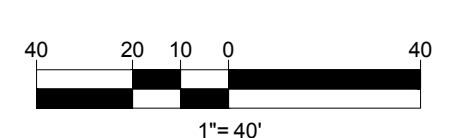


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REVISIONS

REV	DATE	COMMENT	CHECKED BY
1	06/07/2023	PLANNING BOARD COMMENTS	OCR
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3	7/19/2023	PER SURVEY UPDATES	GD
4	8/01/2023	PARCEL AREA REFERENCES	AP

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PROJECT No.: W201257
 DRAWN BY: EVD / CMC / OCR
 DATE: 04/13/2023
 CAD ID: W201257-GRAD-4A

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
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J. BOHLER
 JOHN KUCIEMBA
 CIVIL ENGINEER
 No. 41530
 REGISTERED PROFESSIONAL ENGINEER
 MAINE LICENSE No. 12553

SHEET TITLE:
GRADING PLAN A
 SHEET NUMBER:
C-402
 REVISION 4 - 8/01/2023



REVISIONS

REV	DATE	COMMENT	CHECKED BY
1	06/07/2023	PLANNING BOARD COMMENTS	OCR
2	07/10/2023	PLANNING BOARD COMMENTS	GD
3	7/19/2023	PER SURVEY UPDATES	AP
4	8/01/2023	PARCEL AREA REFERENCES	AP



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PROJECT No.: W201257
 DRAWN BY: EVD / CMC / OCR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD ID: W201257-GRAD-4A

PROPOSED SITE PLAN DOCUMENTS
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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
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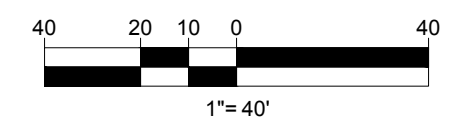
SHEET TITLE:
GRADING PLAN B
 SHEET NUMBER:
C-403
 REVISION 4 - 8/01/2023

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



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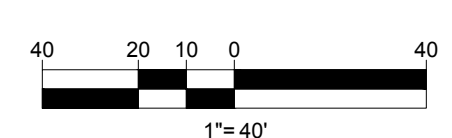


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1	06/07/2023	PLANNING BOARD COMMENTS	OCR	GD
2	07/10/2023	PLANNING BOARD COMMENTS	OCR	GD
3	7/19/2023	PER SURVEY UPDATES	AP	GD
4	8/01/2023	PARCEL AREA REFERENCES	AP	GD

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PROJECT No.: W201257
 DRAWN BY: EVD / CMC / OCR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD LD.: W201257-GRAD-4A

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
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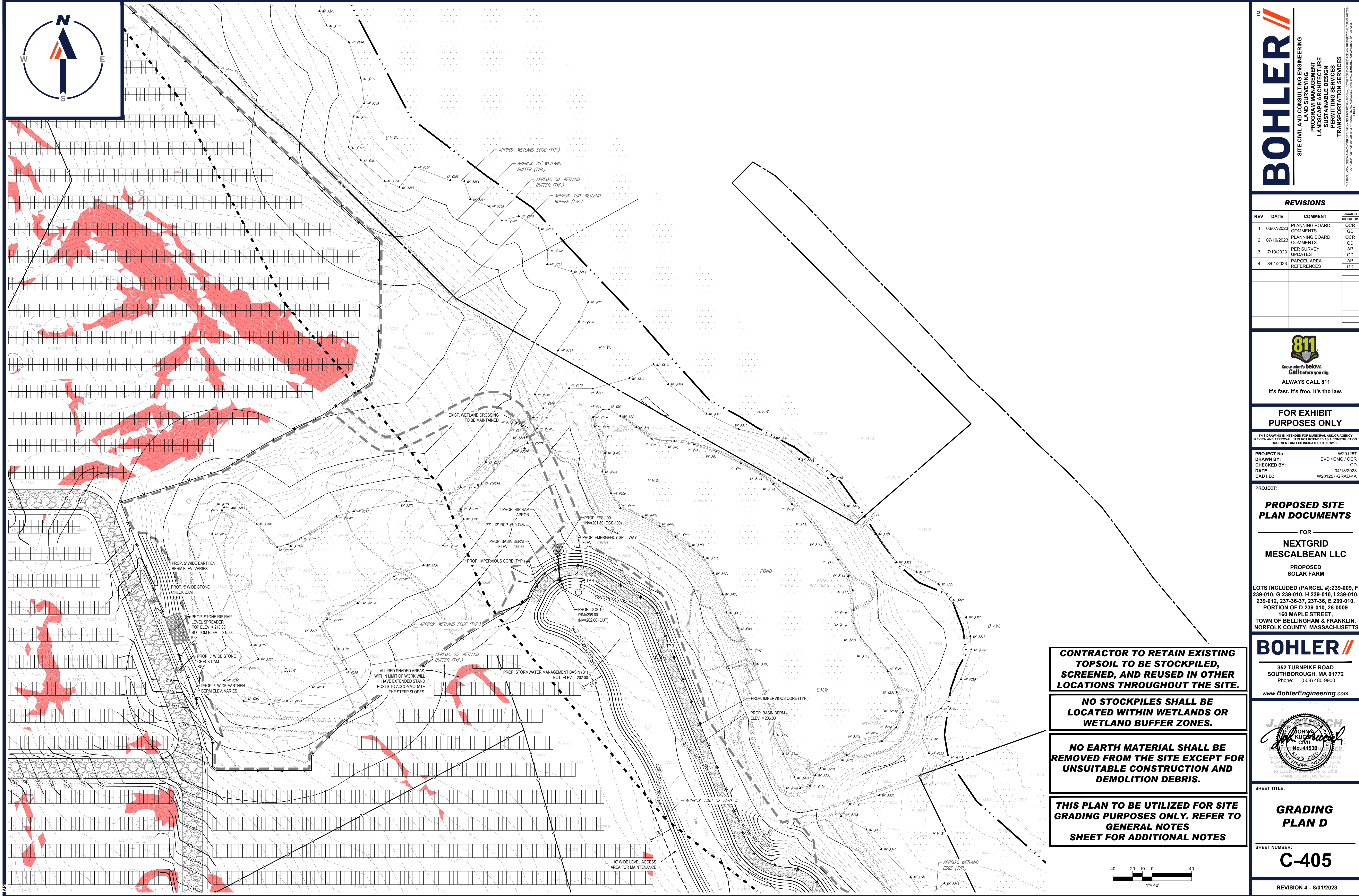


SHEET TITLE:
GRADING PLAN C

SHEET NUMBER:
C-404

REVISION 4 - 8/01/2023

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FOR
NEXTGRID MESCALBEAN LLC

PROPOSED SOLAR FARM

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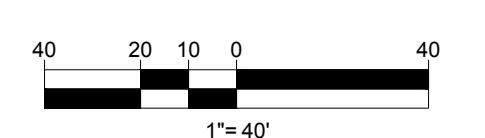
J. BOHLER
 JOHN A. BOHLER
 CIVIL ENGINEER
 No. 41530
 REGISTERED PROFESSIONAL ENGINEER
 MASSACHUSETTS
 LICENSE NO. 01977
 EXPIRES 06/30/2024
 MAINE LICENSE NO. 12553

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.

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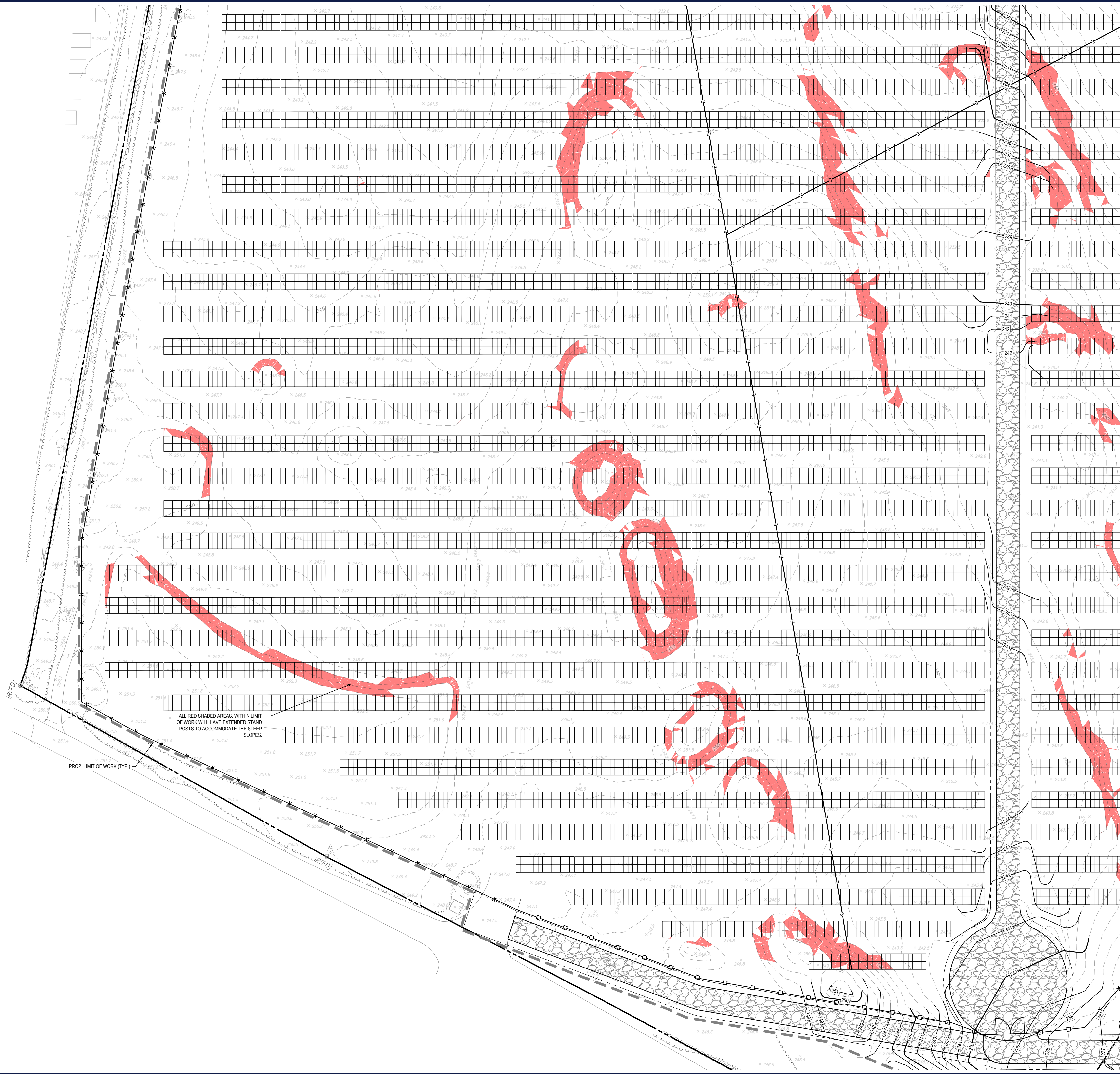


SHEET TITLE:
GRADING PLAN D

SHEET NUMBER:
C-405

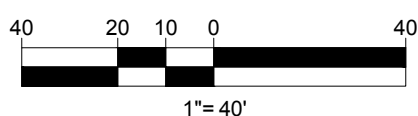
REVISION 4 - 8/01/2023

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ALL RED SHADED AREAS, WITHIN LIMIT OF WORK WILL HAVE EXTENDED STAND POSTS TO ACCOMMODATE THE STEEP SLOPES.

- 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.**
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PROJECT No.: W201257
 DRAWN BY: EVD / CMC / OCR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD ID.: W201257-GRAD-4A

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

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

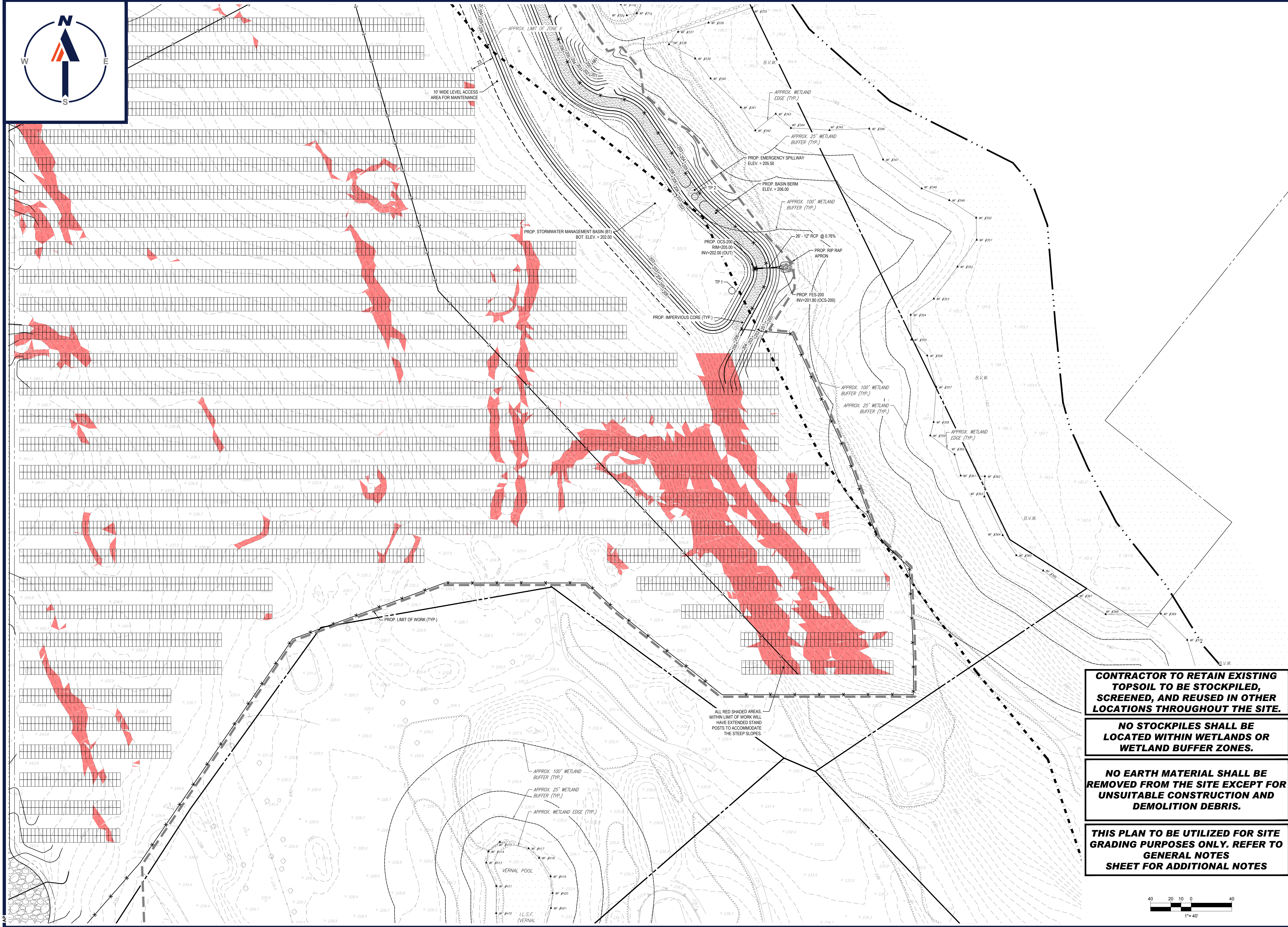


SHEET TITLE:
GRADING PLAN E

SHEET NUMBER:
C-406

REVISION 4 - 8/01/2023

P:\01\201257\CADD\DRAWINGS\PLAN SET\CIVIL SITE PLAN\W201257-GRAD-4A-1-LAYOUT-C-406-GRAD.E



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 PERMITTING SERVICES
 TRANSPORTATION SERVICES

REVISIONS

REV	DATE	COMMENT	CHECKED BY	DRAWN BY
1	06/07/2023	PLANNING BOARD COMMENTS	OCR	GD
2	07/10/2023	PLANNING BOARD COMMENTS	OCR	GD
3	7/19/2023	PER SURVEY UPDATES	AP	GD
4	8/01/2023	PARCEL AREA REFERENCES	AP	GD

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PROJECT No.: W201257
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 CAD ID: W201257-GRAD-4A

PROPOSED SITE PLAN DOCUMENTS
 FOR
NEXTGRID MESCALBEAN LLC
 PROPOSED SOLAR FARM

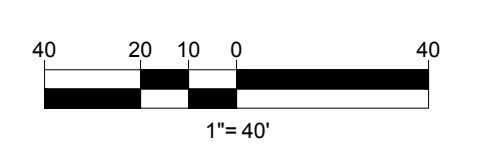
LOTS INCLUDED (PARCEL #): 239-009, F 239-010, G 239-010, H 239-010, I 239-010, 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010, 26-0009
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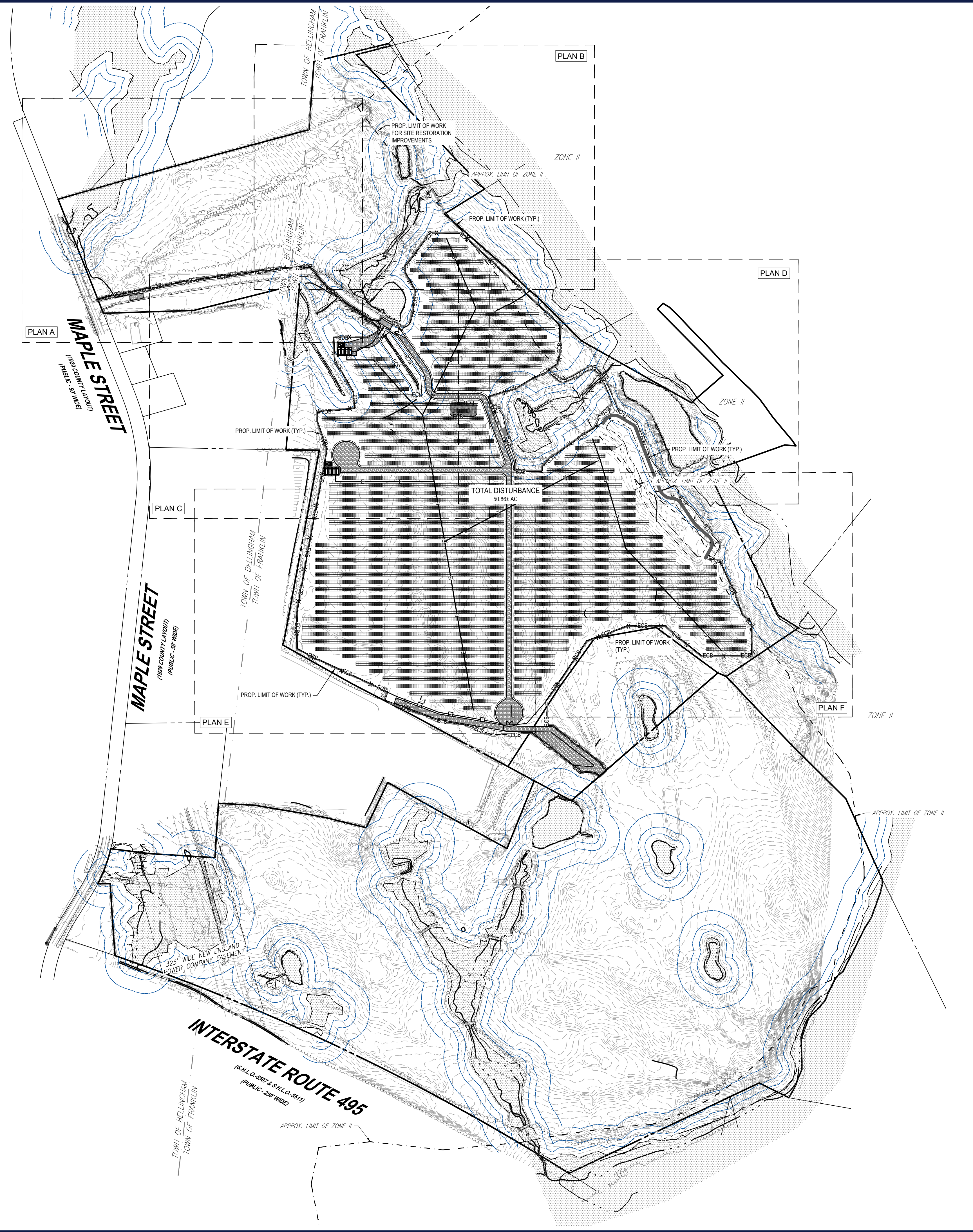


SHEET TITLE:
GRADING PLAN F
 SHEET NUMBER:
C-407
 REVISION 4 - 8/01/2023

- 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**



P:\DWG\2023\CADD\DRAWINGS\PLAN SET\CIVIL SITE PLANS\W201257-GRAD-4A-PLAN\LAYOUT_C-407-GRAD.F



P:\01\2013\7\CAD\DRAWINGS\PLAN SET\CIVIL SITE PLANS\W201257-EROS-4A.dwg - LAYOUT: C-601-OVERALL.EROS

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3	7/19/2023	PER SURVEY UPDATES	AP	GD
4	8/01/2023	PARCEL AREA REFERENCES	AP	GD

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 DRAWN BY: EVD / CMC / OCR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD ID: W201257-EROS-4A

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

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 352 TURNPIKE ROAD
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 Phone: (508) 480-9900
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JOHN A. KUCIEMBA
 CIVIL ENGINEER
 No. 41530
 REGISTERED PROFESSIONAL ENGINEER
 MASSACHUSETTS LICENSE NO. 19576
 NEW ENGLAND POWER COMPANY
 1000 WEST STREET, SOUTHBOROUGH, MA 01772
 PHONE: (508) 480-9900
 MAINE LICENSE NO. 12553

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.

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

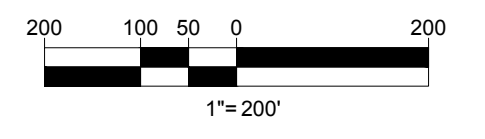
THIS PLAN TO BE UTILIZED FOR SITE SOIL AND EROSION CONTROL PURPOSES ONLY

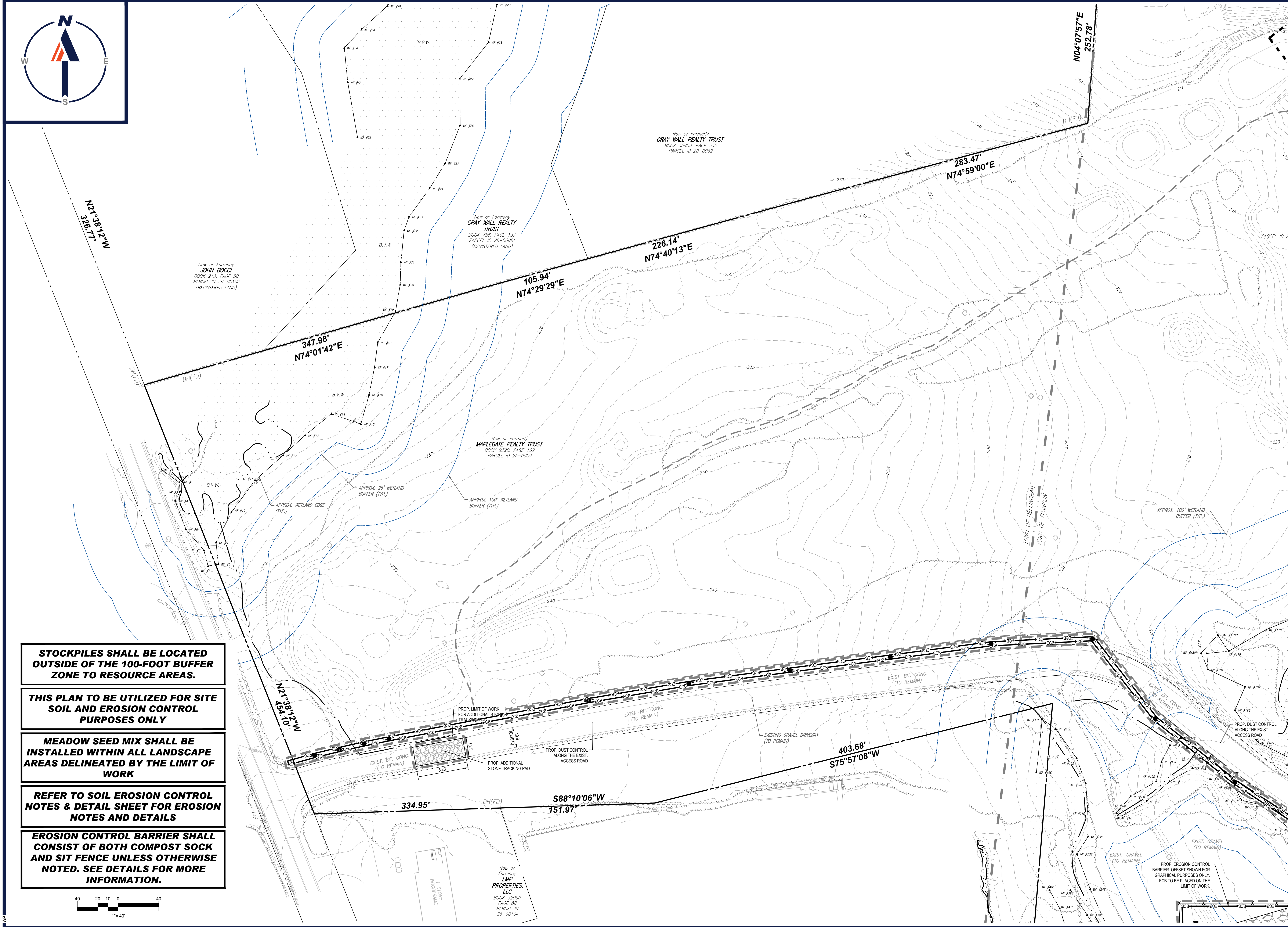
MEADOW SEED MIX SHALL BE INSTALLED WITHIN ALL LANDSCAPE AREAS DELINEATED BY THE LIMIT OF WORK

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

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

SHEET TITLE:
OVERALL SOIL EROSION & SEDIMENT CONTROL PLAN
 SHEET NUMBER:
C-601





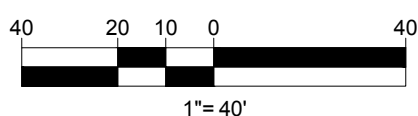
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3	7/19/2023	PER SURVEY UPDATES	AP	GD
4	8/01/2023	PARCEL AREA REFERENCES	AP	GD

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PROJECT No.: W201257
DRAWN BY: EVD / CMC / OCR
CHECKED BY: GD
DATE: 04/13/2023
CAD ID: W201257-EROS-4A

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,
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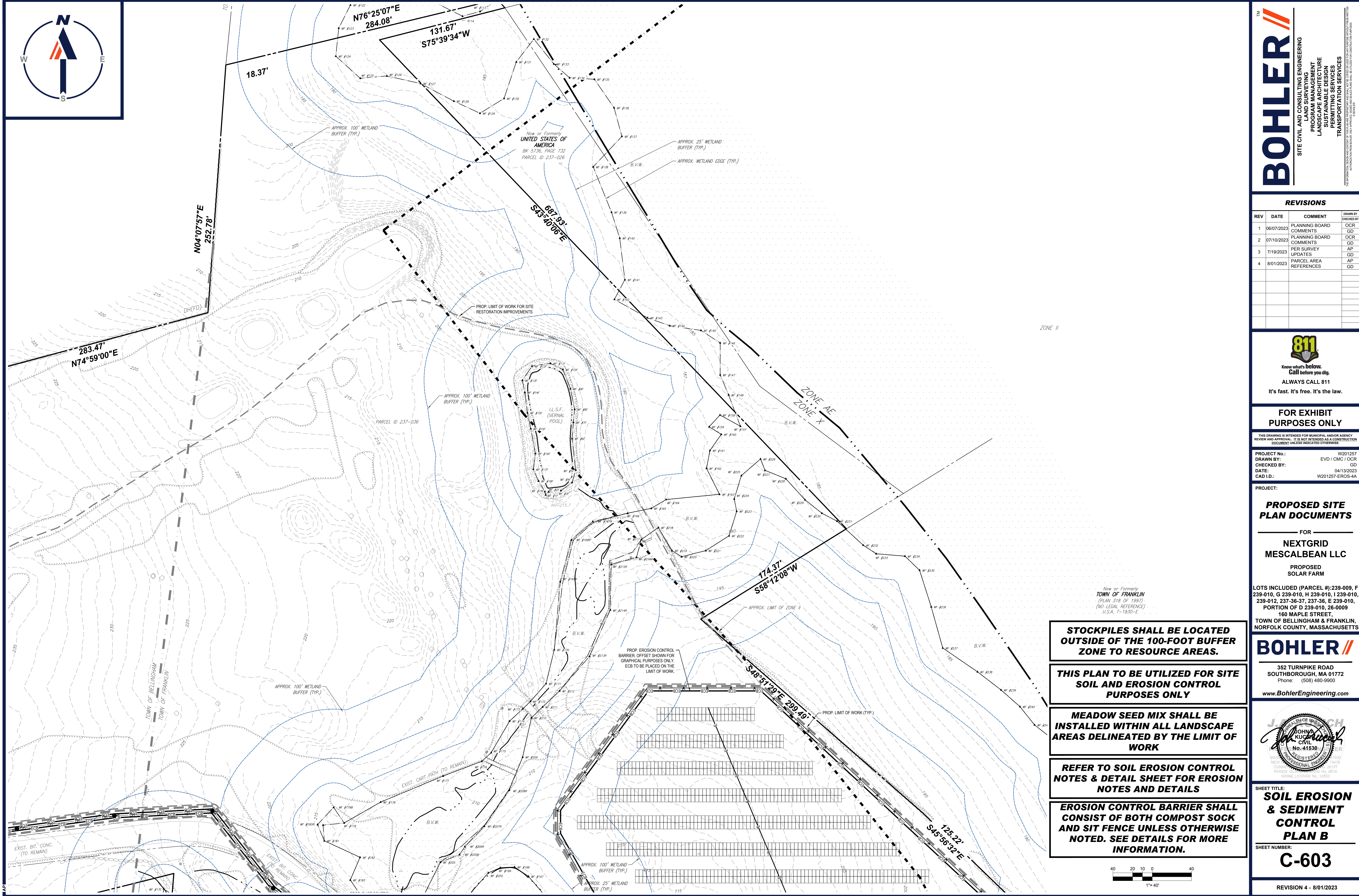


SHEET TITLE: SOIL EROSION & SEDIMENT CONTROL PLAN A

SHEET NUMBER:
C-602

REVISION 4 - 8/01/2023

P:\2023\20230713\CD\DRAWINGS\PLAN SET\CIVIL SITE PLANS\W201257-EROS-4A.dwg - LAYOUT: C-602-EROS A



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REVISIONS

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2	07/10/2023	PLANNING BOARD COMMENTS	OCR
3	7/19/2023	PER SURVEY UPDATES	AP
4	8/01/2023	PARCEL AREA REFERENCES	AP

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PROJECT No.: W201257
 DRAWN BY: EVD / CMC / OCR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD ID: W201257-EROS-4A

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
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SHEET TITLE:
SOIL EROSION & SEDIMENT CONTROL PLAN B

SHEET NUMBER:
C-603

REVISION 4 - 8/01/2023

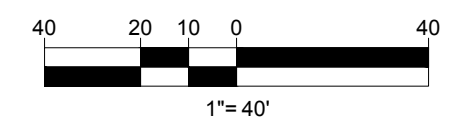
STOCKPILES SHALL BE LOCATED OUTSIDE OF THE 100-FOOT BUFFER ZONE TO RESOURCE AREAS.

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

MEADOW 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 SOCK AND SIT FENCE UNLESS OTHERWISE NOTED. SEE DETAILS FOR MORE INFORMATION.





S88°10'06"W
151.97'

403.68'
S75°57'08"W

616.23'
N04°40'53"E

N89°28'44"W
115.74'

N89°28'44"W
123.08'

Now or Formerly
LMP PROPERTIES, LLC
BOOK 32050,
PAGE 88
PARCEL ID
26-00104

Now or Formerly
LMP PROPERTIES, LLC
BOOK 32050, PAGE 88
PARCEL ID 26-00108

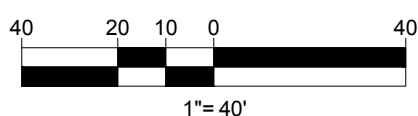
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PERMITTING SERVICES
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REVISIONS

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3	7/19/2023	PER SURVEY UPDATES	GD	AP
4	8/01/2023	PARCEL AREA REFERENCES	AP	GD

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PROJECT No.: W201257
DRAWN BY: EVD / CMC / OCR
CHECKED BY: GD
DATE: 04/13/2023
CAD ID: W201257-EROS-4A

PROJECT:
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,
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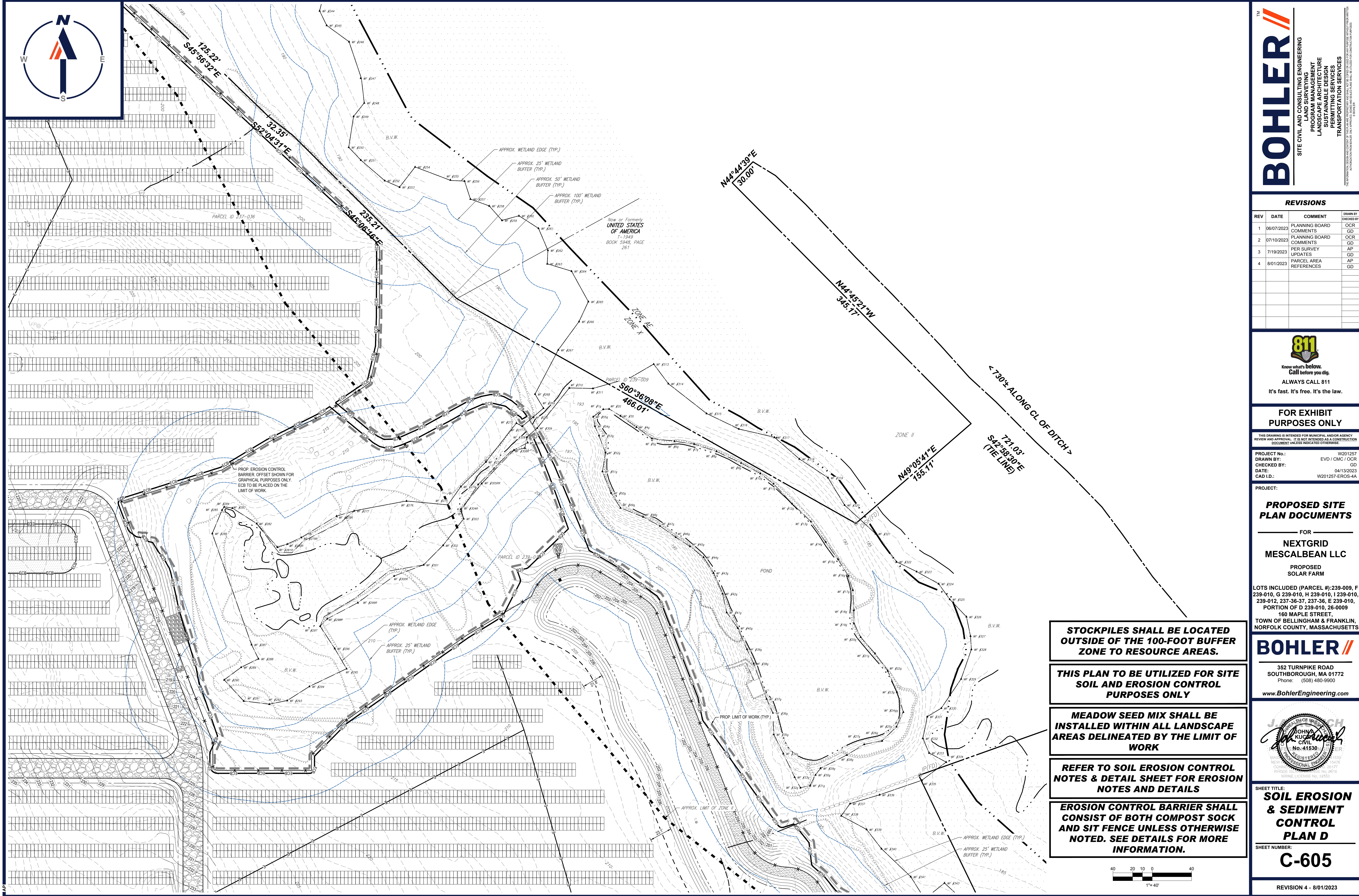


SHEET TITLE:
SOIL EROSION & SEDIMENT CONTROL PLAN C

SHEET NUMBER:
C-604

REVISION 4 - 8/01/2023

P:\01\2013\7\CAD\DRAWINGS\PLAN SET\CIVIL SITE PLAN\SW201257-EROS-4A-1-1\LAYOUT1_C-604-EROS.C



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 SUSTAINABLE DESIGN
 PERMITTING SERVICES
 TRANSPORTATION SERVICES

REVISIONS

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2	07/10/2023	PLANNING BOARD COMMENTS	GD	OCR
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PROJECT No.: W201257
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PROPOSED SITE PLAN DOCUMENTS

FOR
NEXTGRID MESCALBEAN LLC
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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
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SHEET TITLE:
SOIL EROSION & SEDIMENT CONTROL PLAN D

SHEET NUMBER:
C-605

REVISION 4 - 8/01/2023

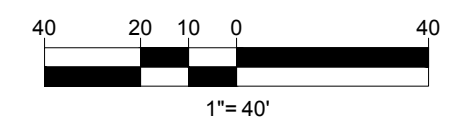
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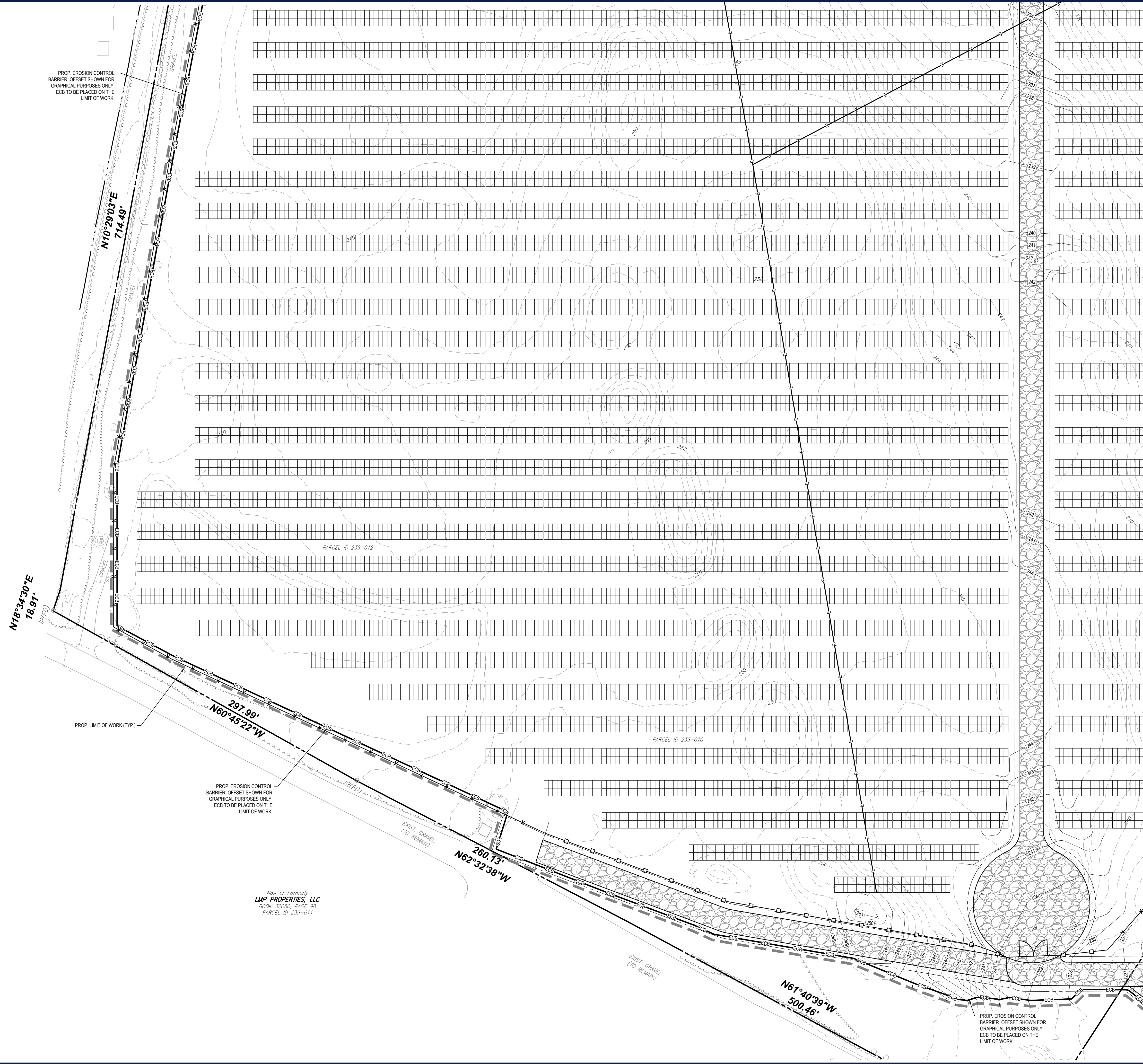


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Now or Formerly
LMP PROPERTIES, LLC
BOOK 32050, PAGE 98
PARCEL ID 32-0007

TOWN OF BELLINGHAM
TOWN OF FRANKLIN



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

$N78^{\circ}34'30''E$
18.91'

PROP. LIMIT OF WORK (TYP.)

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

Now or Formerly
LMP PROPERTIES, LLC
BOOK 32050, PAGE 98
PARCEL ID 239-011

260.73'
 $N62^{\circ}32'38''W$

$N61^{\circ}40'39''W$
500.46'

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

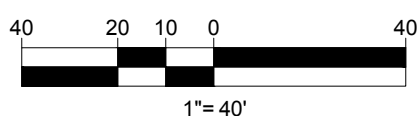
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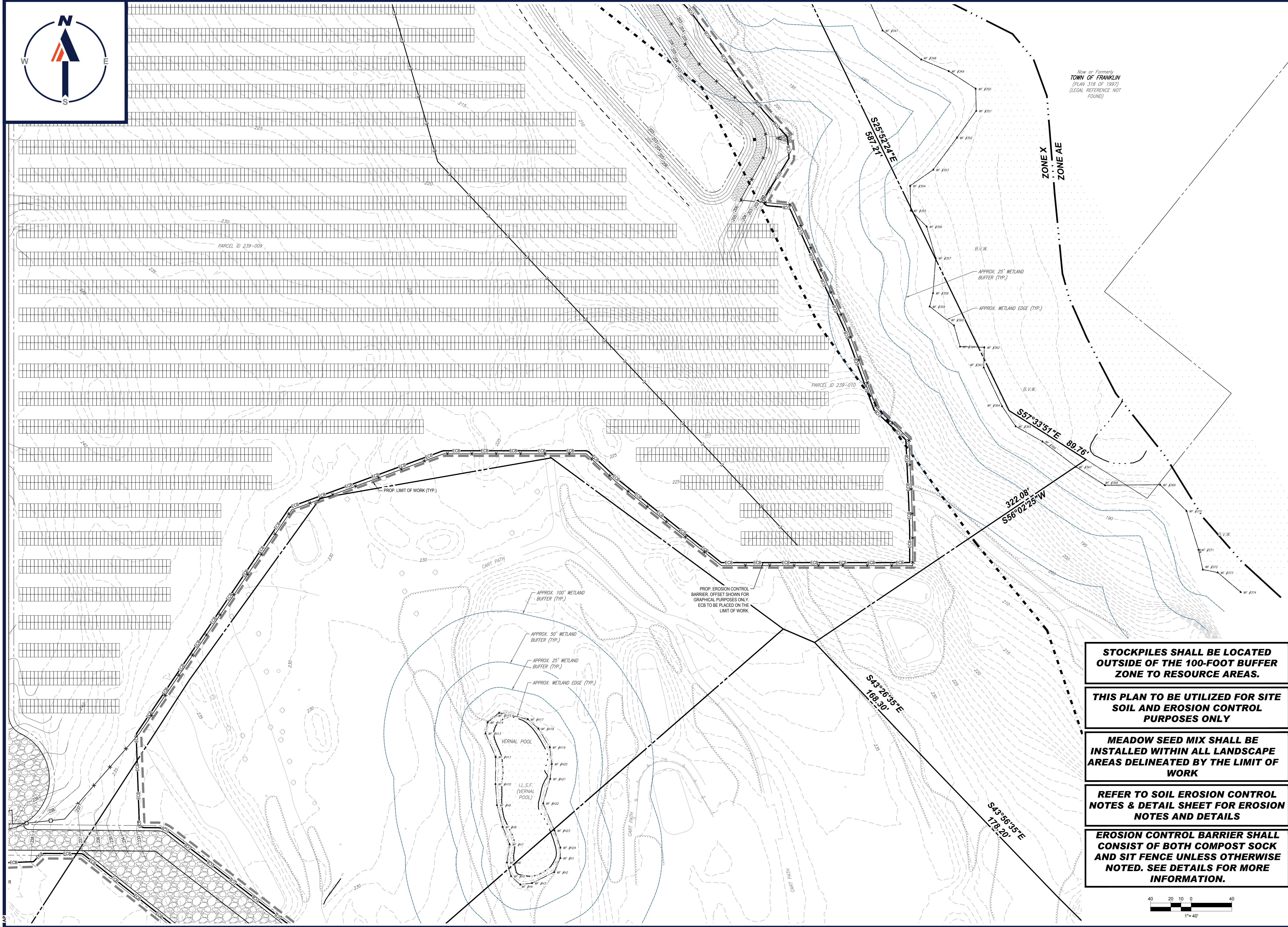


SHEET TITLE:
SOIL EROSION & SEDIMENT CONTROL PLAN E

SHEET NUMBER:
C-606

REVISION 4 - 8/01/2023

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Now or Formerly
TOWN OF FRANKLIN
(PLAN 318 OF 1997)
(LEGAL REFERENCE NOT
FOUND)

ZONE X
ZONE AE

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LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
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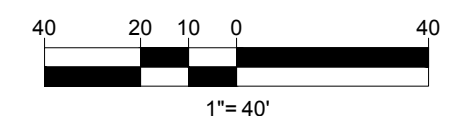
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EROSION CONTROL BARRIER SHALL CONSIST OF BOTH COMPOST SOCK AND SIT FENCE UNLESS OTHERWISE NOTED. SEE DETAILS FOR MORE INFORMATION.



SHEET TITLE:
SOIL EROSION & SEDIMENT CONTROL PLAN F

SHEET NUMBER:
C-607

REVISION 4 - 8/01/2023

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EROSION AND SEDIMENT CONTROL NOTES

- 1. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE AS SET FORTH IN THE MOST CURRENT STATE SEDIMENT AND EROSION CONTROL MANUAL.
- 2. THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. AT A MINIMUM, AREAS SHALL BE PERMANENTLY STABILIZED ACCORDING TO THE CURRENT EDITION OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), OR IN THE ABSENCE OF A SWPPP, THEY SHALL BE PERMANENTLY STABILIZED WITHIN 14 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL. IF THE DISTURBANCE IS WITHIN 100 FEET OF A STREAM OR POND, THE AREA SHALL BE STABILIZED WITHIN 7 DAYS OR PRIOR TO ANY STORM EVENT (THIS WOULD INCLUDE WETLANDS).
- 3. SEDIMENT BARRIERS (SILT FENCE, STRAW BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 8%.
- 4. INSTALL SILTATION BARRIER AT TOE OF SLOPE TO FILTER SILT FROM RUNOFF. SEE SILTATION BARRIER DETAILS FOR PROPER INSTALLATION. SILTATION BARRIER WILL REMAIN IN PLACE PER NOTE #5.
- 5. ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE PERMANENTLY STABILIZED. FOR SEDIMENT CONTROL DEVICES THAT ARE WITHIN AREAS SUBJECT TO CONSERVATION COMMISSION JURISDICTION, THE DEVICES SHALL REMAIN IN PLACE AND BE REMOVED IN ACCORDANCE WITH THE ORDER OF CONDITIONS.
- 6. NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO TO ONE (2:1) UNLESS OTHERWISE INDICATED ON THE PLANS. SLOPE PROTECTION FOR SLOPES GREATER THAN 2:1 SHALL BE DESIGNED BY A GEOTECHNICAL ENGINEER.
- 7. IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY MULCH (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
- 8. TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST TO PROTECT FROM SPRING RUNOFF PROBLEMS.
- 9. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL STANDARDS.
- 10. REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS:
 - 10.1. SIX INCHES, OR DEPTH SPECIFIED ON THE LANDSCAPE PLAN, OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.
 - 10.2. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 800 LB PER ACRE OR 18.4 LB PER 1,000 SF USING 10-20-20 OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (188 LB PER 1,000 SF).
 - 10.3. FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEED TO A MIXTURE OF 47% CREEPING REED FESCUE, 5% REDTOP, AND 48% TALL FESCUE. THE LAWN AREAS WILL BE SEED TO A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUEGRASS, 44% CREEPING REED FESCUE, AND 12% PERENNIAL RYEGRASS. SEEDING RATE IS 1.03 LBS PER 1,000 SF LAWN. QUALITY SOO MAY BE SUBSTITUTED FOR SEED WHERE SLOPES DO NOT EXCEED 2:1. SOO ON SLOPES STEEPER THAN 3:1 SHOULD BE PEGGED.
 - 10.4. STRAW MULCH AT THE RATE OF 70-90 LBS PER 1,000 SF. A HYDRO-APPLICATION OF WOOD OR PAPER FIBER SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE NON-TOXIC BINDER WILL BE USED ON STRAW MULCH FOR WIND CONTROL.
- 11. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS 70% STABILIZED. FOR EROSION CONTROL MEASURES THAT ARE WITHIN AREAS SUBJECT TO CONSERVATION COMMISSION JURISDICTION, THE MEASURES SHALL REMAIN IN PLACE AND BE REMOVED IN ACCORDANCE WITH THE ORDER OF CONDITIONS.
- 12. WETLANDS WILL BE PROTECTED WITH BARRIERS CONSISTING OF STRAW BALES, COMPOST TUBES, SILT FENCE OR A COMBINATION THEREOF.
- 13. ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL HAVE AN EXPOSURE WINDOW OF NOT MORE THAN 7 DAYS.
- 14. ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL FOLLOW APPROPRIATE EROSION CONTROL MEASURES PRIOR TO EACH STORM IF NOT BEING ACTIVELY WORKED.

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

* A HYDRO-APPLICATION OF WOOD OR PAPER FIBER MAY BE APPLIED FOLLOWING SEEDING. A SUITABLE NON-TOXIC BINDER SHALL BE USED TO ADDITIONAL WIND CONTROL.

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

- 15. PROPOSED LOCATIONS OF SURFACE STORMWATER MANAGEMENT BASINS CAN BE UTILIZED AS A TEMPORARY SEDIMENT TRAP DURING CONSTRUCTION. SEDIMENT TRAPS SHALL BE SIZED AND CONSTRUCTED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.
 - 15.1. TEMPORARY SEDIMENT TRAPS SHALL BE SIZED PER THE CURRENT EDITION OF THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS AND PROVIDE A MINIMUM OF 1,800 CF PER ACRE OF TRIBUTARY AREA WITH A MAXIMUM TRIBUTARY AREA OF 5 ACRES. MAINTAIN A 2:1 LENGTH TO WIDTH RATIO, AND NOT EXCEED 5 FT IN HEIGHT. UPON SITE STABILIZATION, ACCUMULATED SEDIMENT SHALL BE REMOVED AND THE TEMPORARY SEDIMENT TRAP EXCAVATED TO 1 FOOT BELOW THE TRAP. THE AREA SHALL THEN BE SCARIFIED TO PREVENT COMPACTION AND PROMOTE INFILTRATION, AND GRADED AND STABILIZED IN ACCORDANCE WITH THE GRADING AND LANDSCAPE PLANS.
- 16. STOCKPILING OF MATERIALS (DIRT, WOOD, CONSTRUCTION MATERIALS, ETC.) MUST REMAIN COVERED AT ALL TIMES TO MINIMIZE ANY DUST PROBLEMS THAT MAY OCCUR WITH ADJACENT PROPERTIES AND TO PROVIDE MAXIMUM PROTECTION AGAINST EROSION RUNOFF.
- 17. EXISTING CATCH BASIN STRUCTURES SHALL BE PROTECTED UNTIL SUCH TIME AS THEY ARE REMOVED.

- 18. THE CONTRACTOR MUST PERFORM DEWATERING (IF REQUIRED), IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND PAY FOR THE COSTS ASSOCIATED WITH ANY AND ALL NECESSARY DISCHARGE PERMITS ASSOCIATED WITH SAME.
- 19. THE CONTRACTOR MUST LOCATE CONSTRUCTION WASTE MATERIAL STORAGE AREAS TO MINIMIZE EXPOSURE TO STORMWATER. THE CONTRACTOR MUST IMMEDIATELY PLACE CONSTRUCTION WASTE IN ON-SITE STORAGE CONTAINERS UNTIL THAT CONSTRUCTION WASTE IS READY FOR OFF-SITE DISPOSAL. THE CONTRACTOR MUST MAINTAIN SPILL PREVENTION AND RESPONSE EQUIPMENT AND MAKE SAME CONTINUOUSLY AVAILABLE ON-SITE FOR USE BY THE CONTRACTOR'S EMPLOYEES WHO MUST BE PROPERLY TRAINED IN THE APPLICATION OF SPILL PREVENTION AND RESPONSE PROCEDURES.

- 20. EROSION CONTROL NOTES DURING WINTER CONSTRUCTION
- 21. WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.
- 22. WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT THE AMOUNT OF AREA OPEN AT ONE TIME IS MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE AND IN CONFORMANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN SUCH THAT ADEQUATE PROVISIONS ARE EMPLOYED TO CONTROL STORMWATER RUNOFF.
- 23. CONTINUATION OF EARTHWORK OPERATION ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE.

- 24. AN AREA SHALL BE CONSIDERED TO HAVE BEEN TEMPORARILY STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR STRAW AT A RATE OF 100 LB. PER 1,000 SQUARE FEET (WITH OR WITHOUT SEEDING) OR DORMANT SEEDING, MULCHED AND ADEQUATELY ANCHORED BY AN APPROVED ANCHORING TECHNIQUE.
- 25. FOR AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR A PERIOD EXCEEDING 14 DAYS BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 15TH, LOAM OR SEED WILL NOT BE REQUIRED. THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDING. IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED AND IS SMOOTH, THEN THE AREA MAY BE DORMANT SEEDING AT A RATE OF 200-300% HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED AS APPLICABLE. SLOPES SHALL NOT BE LEFT UNSTABILIZED OVER THE WINTER OR IN AREAS WHERE WOOD HAS CEASED FOR MORE THAN 14 DAYS UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF SEDIMENT BARRIERS OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS.

- 26. MULCHING REQUIREMENTS:
 - 26.1. BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 15TH ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING OR WOOD CELLULOSE FIBER.
 - 26.2. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPE EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%.
 - 26.3. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15%. AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL ALL SLOPES GREATER THAN 8%.
- 27. ALL DISTURBED AREAS SHALL BE STABILIZED IN ACCORDANCE WITH THE STORMWATER PREVENTION PLAN.

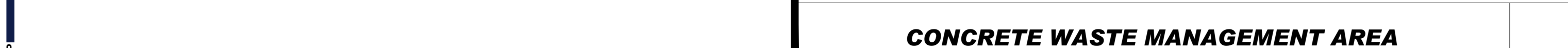
- 28. DURING THE WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.

GENERAL EROSION AND SEDIMENT CONTROL 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 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. EROSION CONTROL MEASURES MUST CONFORM TO THE STATE, LOCAL, AND FEDERAL GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL, UNLESS OTHERWISE NOTED, OR UNLESS ENGINEER CLEARLY AND SPECIFICALLY, IN WRITING, DIRECTS OTHERWISE. INSTALLATION OF EROSION CONTROL, CLEARING, AND SITE WORK MUST BE PERFORMED EXACTLY AS INDICATED IN THE EROSION CONTROL CONSTRUCTION NOTES.
- 3. THE DISTURBED LAND AREA OF THIS SITE IS APPROXIMATELY 44.133 ACRES.
- 4. THE FOLLOWING EROSION CONTROL MEASURES ARE PROPOSED FOR THIS SITE:
 - 4.1. STABILIZED CONSTRUCTION ENTRANCE/EXIT - A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT IS TO BE INSTALLED AT THE DESIGNATED LOCATION SHOWN ON THE PLAN. THIS AREA MUST BE GRADED SO THAT RUNOFF WATER WILL BE RETAINED ON-SITE.
 - 4.2. SEDIMENT FENCE - INSTALL SILT FENCE(S) AND/OR SILT SOCK AROUND ALL OF THE DOWNSLOPE PERIMETERS OF THE SITE, TEMPORARY FILL AND SOIL STOCKPILES.
 - 4.3. INSTALL FILTER FABRIC DROP INLET PROTECTION AROUND EACH DRAINAGE INLET AS DRAINAGE STRUCTURES ARE INSTALLED TO REDUCE THE QUANTITY OF SEDIMENT. INSTALL TEMPORARY INLET PROTECTION ON INLETS DOWNSLOPE FROM DISTURBANCE, WHICH MAY BE BEYOND THE LIMITS OF DISTURBED AREA.
- 5. INSTALLATION OF EROSION CONTROL DEVICES MUST BE IN ACCORDANCE WITH ALL OF THE MANUFACTURER'S RECOMMENDATIONS.
- 6. THE CONTRACTOR MUST INSPECT EROSION CONTROL MEASURES WEEKLY. THE CONTRACTOR MUST REMOVE ANY SILT DEPOSITS GREATER THAN 6" OR HALF THE HEIGHT OF THE EROSION CONTROL BARRIER HEIGHT COLLECTED ON THE FILTER FABRIC AND/OR SILT SOCK BARRIERS AND EXCAVATE AND REMOVE ANY SILT FROM DROP INLET PROTECTION.
- 7. THE CONTRACTOR MUST APPLY TEMPORARY SEED AND MULCH TO ALL DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINISHED GRADE AND VEGETATED WITHIN 7 DAYS. WHEN AREAS ARE DISTURBED AFTER THE GROWING SEASON, THE CONTRACTOR MUST STABILIZE SAME WITH GEOTEXTILE FABRIC AND MAINTAIN SAME IN STRICT ACCORDANCE WITH BEST MANUFACTURING PRACTICES.
- 8. THE CONTRACTOR MUST INSTALL ADDITIONAL EROSION CONTROL MEASURES IF ENGINEER SO REQUIRES, TO PREVENT ANY, INCLUDING THE INCIDENTAL DISCHARGE OF SILT-LADEN RUNOFF FROM EXITING THE SITE.
- 9. THE CONTRACTOR MUST BE RESPONSIBLE FOR INSPECTING AND MAINTAINING ALL EROSION CONTROL MEASURES ON THE SITE UNTIL PERMANENT PAVING AND TURFLANDSCAPING IS ESTABLISHED. THE COSTS OF INSTALLING AND MAINTAINING THE EROSION CONTROL MEASURES MUST BE INCLUDED IN THE BID PRICE FOR THE SITE WORK AND THE CONTRACTOR IS RESPONSIBLE FOR ALL SUCH COSTS.
- 10. THE CONTRACTOR MUST CONTINUE TO MAINTAIN ALL EROSION CONTROL MEASURES UNTIL THE COMPLETION OF CONSTRUCTION AND THE ESTABLISHMENT OF VEGETATION.
- 11. THE CONTRACTOR MUST REMOVE EROSION CONTROL MEASURES, SILT AND DEBRIS AFTER ESTABLISHING PERMANENT VEGETATION COVER OR OTHER INSTALLING A DIFFERENT, SPECIFIED METHOD OF STABILIZATION.
- 12. THIS PLAN REPRESENTS THE MINIMUM LEVEL OF IMPLEMENTATION OF TEMPORARY EROSION CONTROL AND SEDIMENTATION CONTROL FACILITIES, MEASURES AND STRUCTURES. ADDITIONAL FACILITIES, MEASURES AND STRUCTURES MUST BE INSTALLED WHERE NECESSARY TO COMPLY WITH ALL APPLICABLE CODES AND STANDARDS AND/OR TO PREVENT ANY, INCLUDING THE INCIDENTAL DISCHARGE OF SILT-LADEN RUNOFF FROM EXITING THE SITE.
- 13. THE CONTRACTOR MUST PROTECT ALL EXISTING TREES AND SHRUBS. THE CONTRACTOR MUST REFER TO THE LANDSCAPE (AND/OR DEMOLITION PLANS) FOR TREE PROTECTION, FENCE LOCATIONS AND DETAILS.
- 14. THE CONTRACTOR MUST REFER TO GRADING PLANS FOR ADDITIONAL INFORMATION.
- 15. THE CONTRACTOR MUST CLEAN EXISTING AND PROPOSED DRAINAGE STRUCTURES AND INTERCONNECTING PIPES ON OR OFF-SITE AS THE JURISDICTIONAL AGENCY REQUIRES, BOTH AT THE TIME OF SITE STABILIZATION AND AT END OF PROJECT.
- 16. SOIL EROSION CONTROL MEASURES MUST BE ADJUSTED OR RELOCATED BY THE CONTRACTOR AS IDENTIFIED DURING SITE OBSERVATION IN ORDER TO MAINTAIN THE COMPLETE EFFECTIVENESS OF ALL CONTROL MEASURES.
- 17. THE CONTRACTOR MUST IDENTIFY, ON THE PLAN, THE LOCATION OF WASTE CONTAINERS, FUEL STORAGE TANKS, CONCRETE WASHOUT AREAS AND ANY OTHER LOCATIONS WHERE HAZARDOUS MATERIALS ARE STORED.

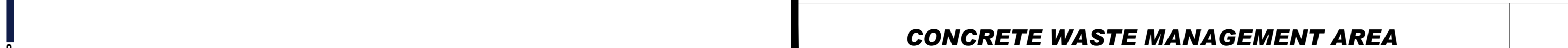
RECOMMENDED CONSTRUCTION SEQUENCE

- 1. THE FOLLOWING CONSTRUCTION SEQUENCE IS RECOMMENDED:
 - INSTALLATION OF STABILIZED CONSTRUCTION ENTRANCE/EXIT (AS SHOWN)
 - INSTALLATION OF EROSION CONTROL BARRIER (STRAW BALES AND SILT FENCE) (AS SHOWN)
 - DEMOLITION OF EXISTING SITE STRUCTURES (SEE DEMOLITION PLAN)
 - DEMOLITION OF EXISTING SITE PAVEMENT AND AMENITIES (SEE DEMOLITION PLAN)
 - CLEARING AND GRUBBING
 - INSTALLATION OF TEMPORARY SWALES AND SEDIMENT BASINS
 - EARTHWORK AND EXCAVATION/FILLING AS NECESSARY
 - CONSTRUCTION OF UTILITIES
 - INSTALLATION OF INLET PROTECTION OF ON-SITE UTILITIES (AS SHOWN)
 - CONSTRUCTION OF ARRAY RACKS AND EQUIPMENT PADS.
 - CONSTRUCTION OF TRANSFORMERS, ELECTRICAL EQUIPMENT, ARRAY INSTALLATION AND WIRING.
 - SPREAD TOPSOIL ON SLOPED AREAS AND SEED AND MULCH
 - FINAL GRADING OF ALL SLOPED AREAS
 - PLACE 6" TOPSOIL ON SLOPES AFTER FINAL GRADING COMPLETED. FERTILIZE, SEED, AND MULCH SEED MIXTURE TO BE INSTALLED AS REQUIRED.
 - REMOVAL OF THE TEMPORARY SEDIMENT BASINS AND ACCUMULATED SEDIMENT.
 - SCARIFY BASIN BOTTOM TO PREVENT COMPACTION AND PROMOTE INFILTRATION.
 - REMOVE EROSION CONTROLS AS DISTURBED AREAS BECOME STABILIZED TO 70% STABILIZATION OR GREATER



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

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



- NOTES:
 - 1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND FREE OF DEBRIS.
 - 2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 3H:1V
 - 3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAW BALES, THEN STABILIZED WITH VEGETATION OR COVERED.

TEMPORARY STOCKPILE



STABILIZED CONSTRUCTION ENTRANCE



LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE	TEST METHOD	
	UNITS	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
PUNCTURE	ASTM D-4632	20%
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80%
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE PERMITTIVITY	ASTM D-4491	40 GAL/MIN/SQ FT 0.65 SEC^-1

MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE	TEST METHOD	
	UNITS	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	205 LBS
PUNCTURE	ASTM D-4632	20%
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90%
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE PERMITTIVITY	ASTM D-4491	200 GAL/MIN/SQ FT 1.5 SEC^-1

- NOTES:
 - 1. IN LOW SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY INSTALL THE BLANKETS.
 - 2. FOLLOW EROSION CONTROL TECHNOLOGY COUNCIL SPECIFICATION FOR PRODUCT SELECTION.

EROSION CONTROL BLANKET 2:1 SLOPES (SLOPE INSTALLATION)



CONCRETE WASTE MANAGEMENT AREA

- 1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIMING, FERTILIZER, AND SEED.
- 2. BEGAN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP "V" SHAPED TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH AS SHOWN IN DETAIL. TIE THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAKING. APPLY SEED TO COMPACTED SOIL AND FOLD REBARING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
- 3. ROLL THE BLANKETS A) DOWN OR B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SEED AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS PER MANUFACTURER'S RECOMMENDATION.
- 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH MINIMUM 6" OVERLAP. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET BLANKET BEING INSTALLED ON TOP (EVEN WITH THE SEAM SWITCH) ON THE PREVIOUSLY INSTALLED BLANKET.
- 5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 2" OVERLAP. STAPLES THROUGH OVERLAPPED AREA APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
- 6. PLACE STAPLES/STAKES PER MANUFACTURER'S RECOMMENDATION FOR THE APPROPRIATE SLOPE BEING APPLIED.



FILTER SACS (GRADED INLETS)

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

REVISIONS

REV	DATE	COMMENT	CHECKED BY	DRAWN BY
1	06/07/2023	PLANNING BOARD COMMENTS	OCR	GD
2	07/10/2023	PLANNING BOARD COMMENTS	OCR	GD
3	7/19/2023	PER SURVEY UPDATES	GD	AP
4	8/01/2023	PARCEL AREA REFERENCES	AP	GD

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BOHLER

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

REVISIONS

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PROJECT NO.: W201257
DRAWN BY: EVD / CMC / OCR
DATE: 04/13/2023
CAD LID: W201257-EROS-GD

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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

BOHLER

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

PROFESSIONAL ENGINEER

STATE OF MASSACHUSETTS
No. 41530
EXPIRES 12/31/2027
MAINE LICENSE NO. 12253

EROSION & SEDIMENT CONTROL NOTES & DETAILS

SHEET NUMBER:
C-608

REVISION 4 - 8/01/2023

TREE PROTECTION DURING SITE CONSTRUCTION

AREA OF SITE CONSTRUCTION

AREA WITHIN PROTECTION ZONE/ TREE DRAIN LINE FENCE TO FOLLOW TREE DROP LINE OR 8' FROM TRUNK, WHICHEVER IS GREATER

4" WOOD & WIRE SNOW FENCE WITH STEEL STAKE 18" O.C.

WOOD & WIRE SNOW FENCE USED AS TREE GUARD TO PREVENT DAMAGE FROM CONSTRUCTION EQUIPMENT

TREE DRAIN LINE/TREE PROTECTION ZONE

AREA WITHIN TREE PROTECTION ZONE TO REMAIN UNDISTURBED DURING CONSTRUCTION

4" WOOD & WIRE SNOW FENCE WITH STEEL STAKES 18" O.C.

RECOMMENDED CONSTRUCTION SEQUENCE

N.T.S.

CONCRETE WASTE MANAGEMENT AREA

N.T.S.

EROSION CONTROL BLANKET 2:1 SLOPES (SLOPE INSTALLATION)

N.T.S.

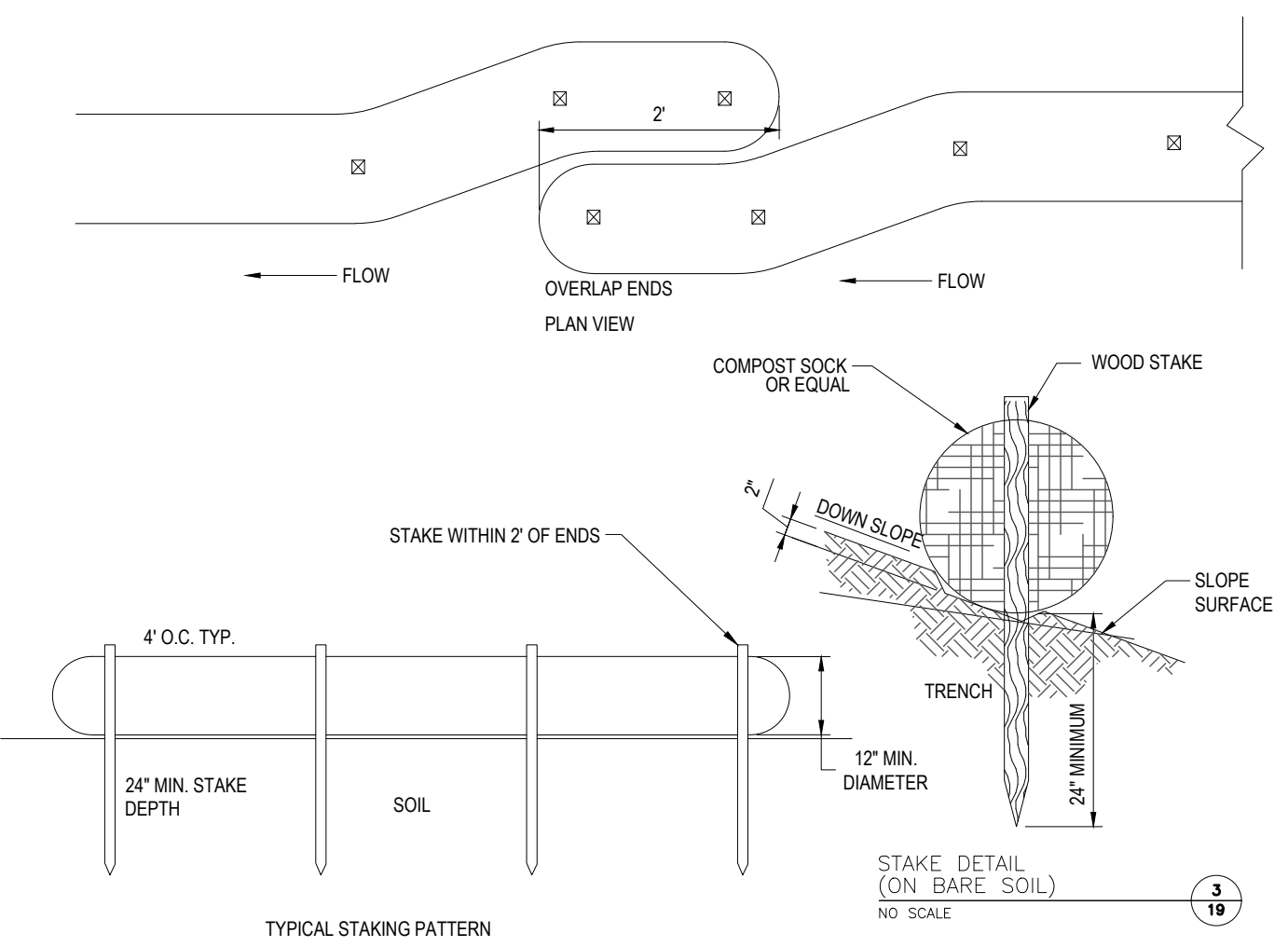
FILTER SACS (GRADED INLETS)

N.T.S.

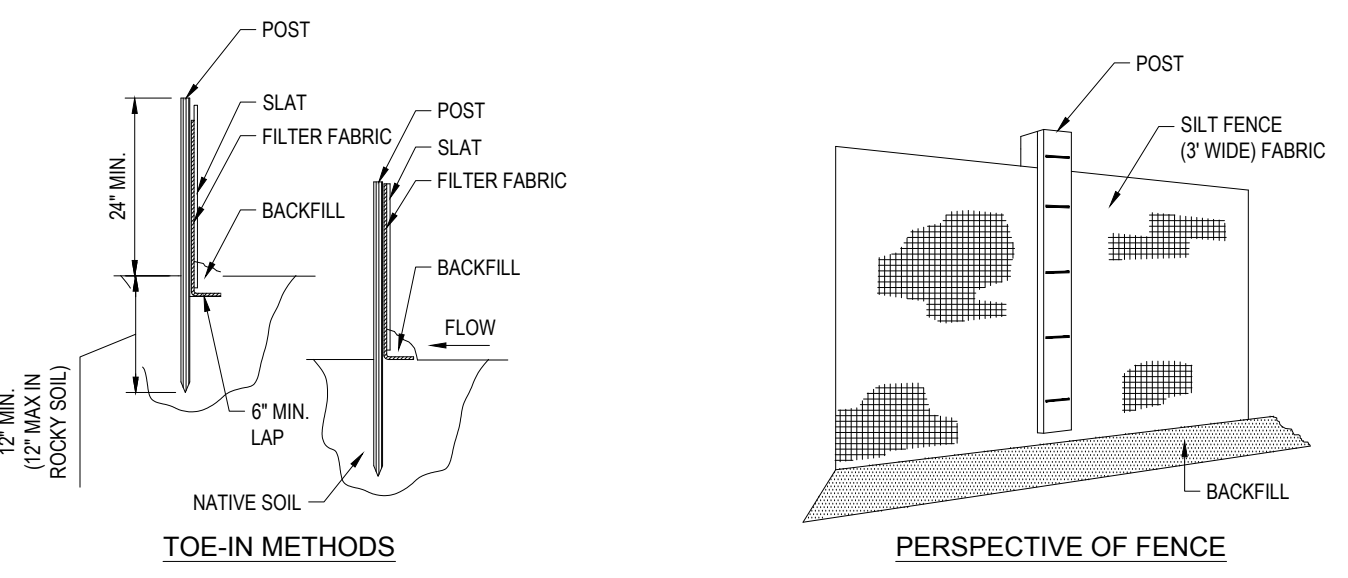
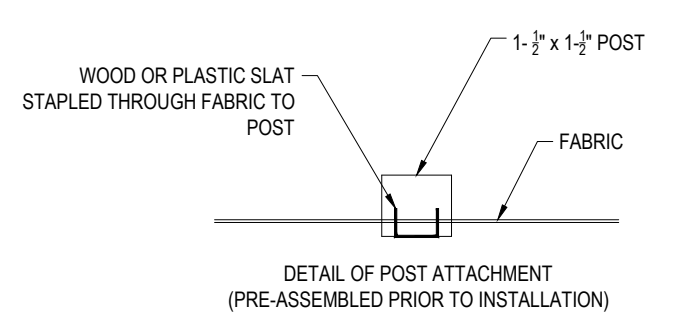
CONCRETE WASTE MANAGEMENT AREA

N.T.S.

EROSION CONTROL BARRIER SHALL CONSIST OF BOTH COMPOST SOCK AND SILT FENCE UNLESS OTHERWISE NOTED



COMPOST SOCK



SILT FENCE

- INSTALLATION:
1. EXCAVATE A 6\"/>

EROSION CONTROL BARRIER (ECB) DETAIL

N.T.S.

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 PROGRAM MANAGEMENT
 LANDSCAPE ARCHITECTURE
 SUSTAINABLE DESIGN
 PERMITTING SERVICES
 TRANSPORTATION SERVICES

REVISIONS

REV	DATE	COMMENT	CHECKED BY	DRAWN BY
1	06/07/2023	PLANNING BOARD COMMENTS	OCR	GD
2	07/10/2023	PLANNING BOARD COMMENTS	OCR	GD
3	7/19/2023	PER SURVEY UPDATES	AP	GD
4	8/01/2023	PARCEL AREA REFERENCES	AP	GD

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PROJECT No.: W201257
 DRAWN BY: EVD / CMC / OCR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD ID: W201257-EROS-4A

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
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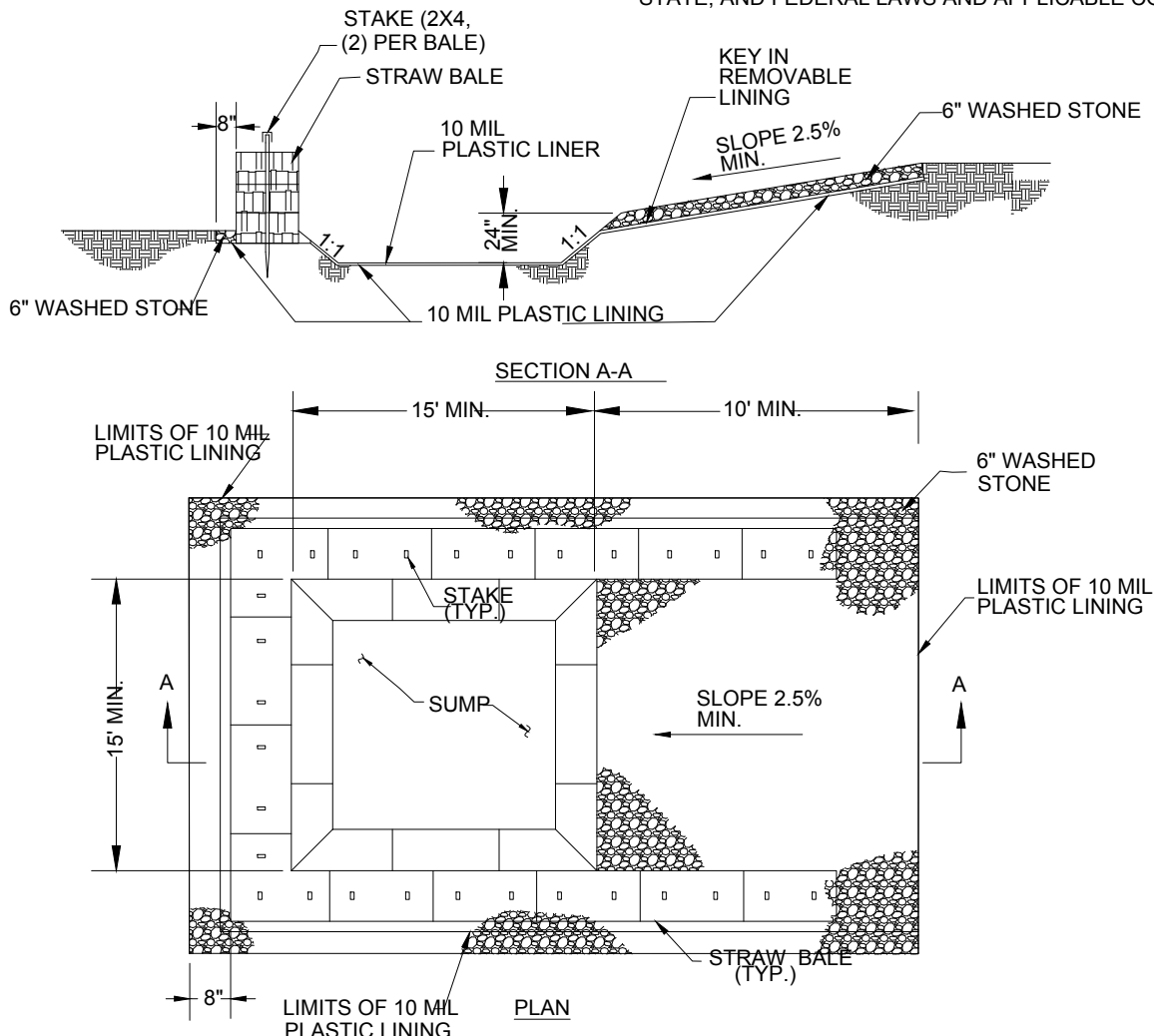
SHEET TITLE:
EROSION & SEDIMENT CONTROL NOTES & DETAILS

SHEET NUMBER:
C-609

REVISION 4 - 8/01/2023

P:\01\201257\CADD\DRAWINGS\PLAN SET\CIVIL SITE PLAN\SW201257-EROS-4A.dwg - LAYOUT1: C-609-ENOTE

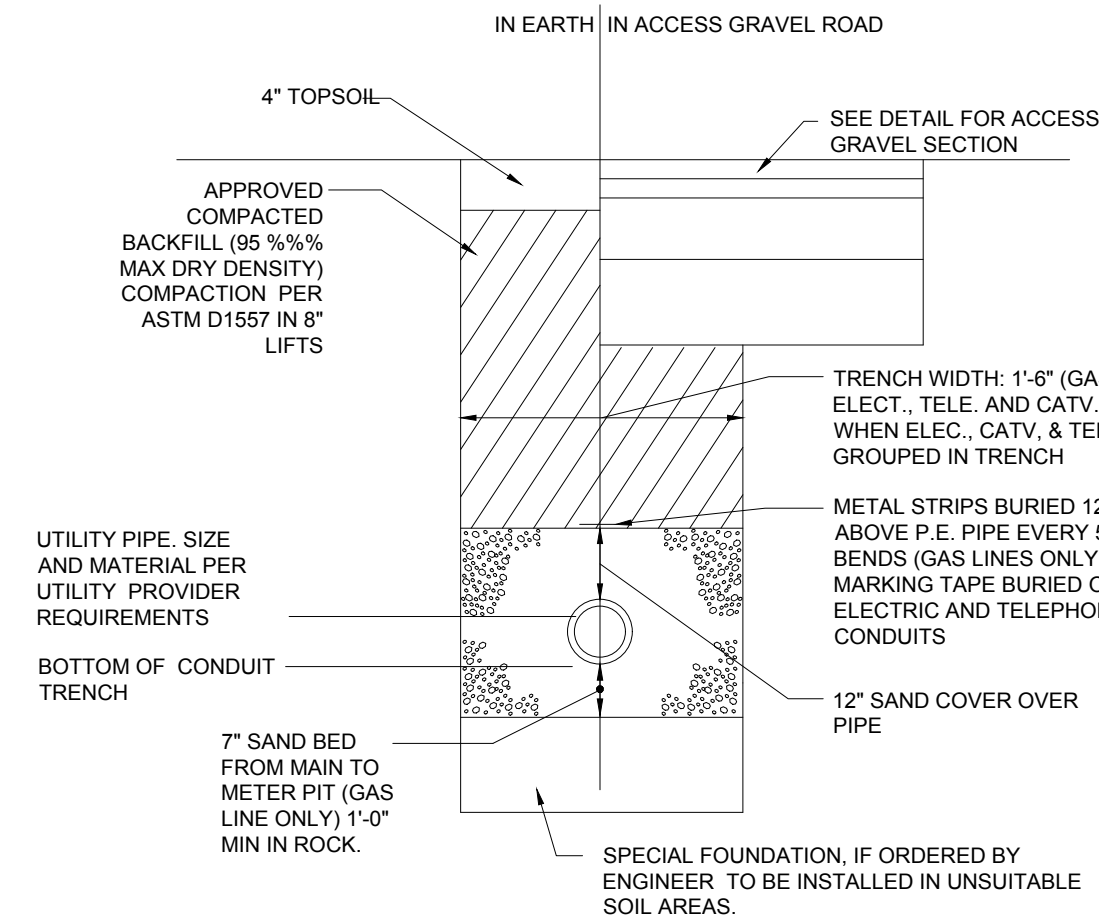
- NOTES:
- PIT IS SPECIFICALLY DESIGNED, DIKED AND IMPERVIOUS FACILITY SHALL NOT BE FILLED BEYOND 95% CAPACITY CONTAINMENT TO PREVENT CONTACT BETWEEN CONCRETE UNLESS A NEW FACILITY IS CONSTRUCTED WASH AND STORMWATER.
 - WASH WATER SHALL NOT BE ALLOWED TO FLOW TO SURFACE & GRINDING TO BE DISPOSED OF IN THE PIT.
 - FACILITY MUST HOLD SUFFICIENT VOLUME TO CONTAIN DERRIS FROM THE VEHICLE WASH AREA SHALL NOT BE DISPOSED OF IN ACCORDANCE WITH ALL TOWN, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES.



CONCRETE WASHOUT DETAIL

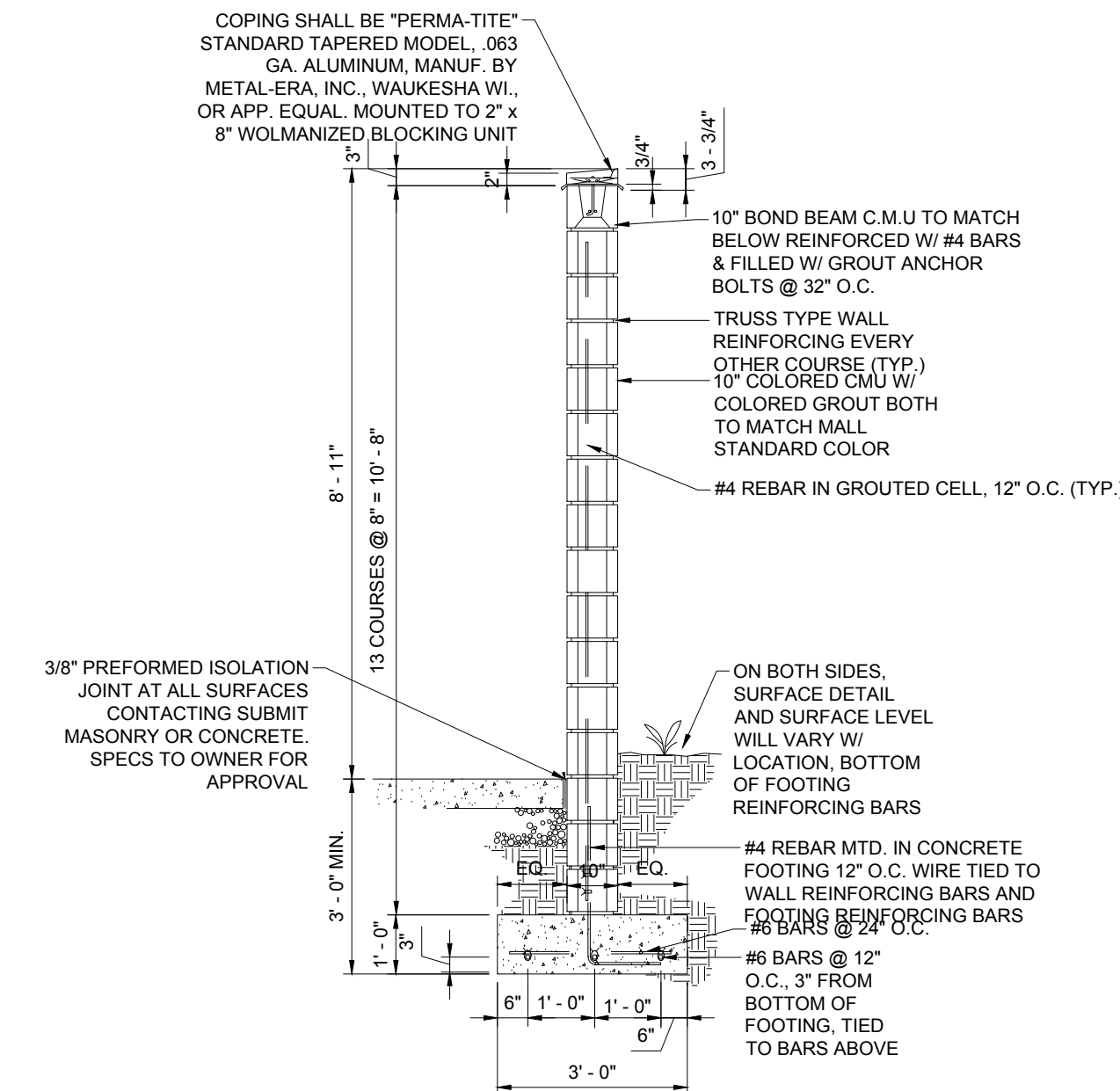
N.T.S.

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



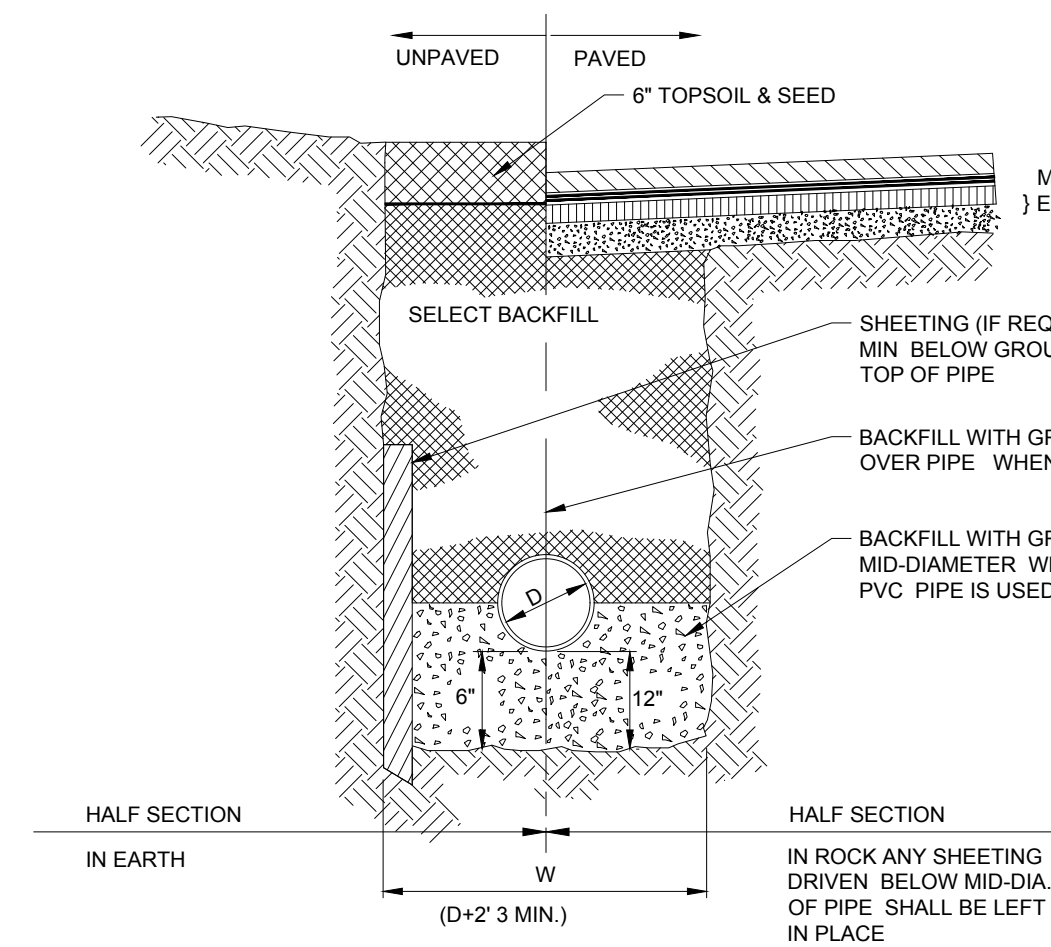
ALTERNATIVE ELECTRICAL TRENCH DETAIL

N.T.S.



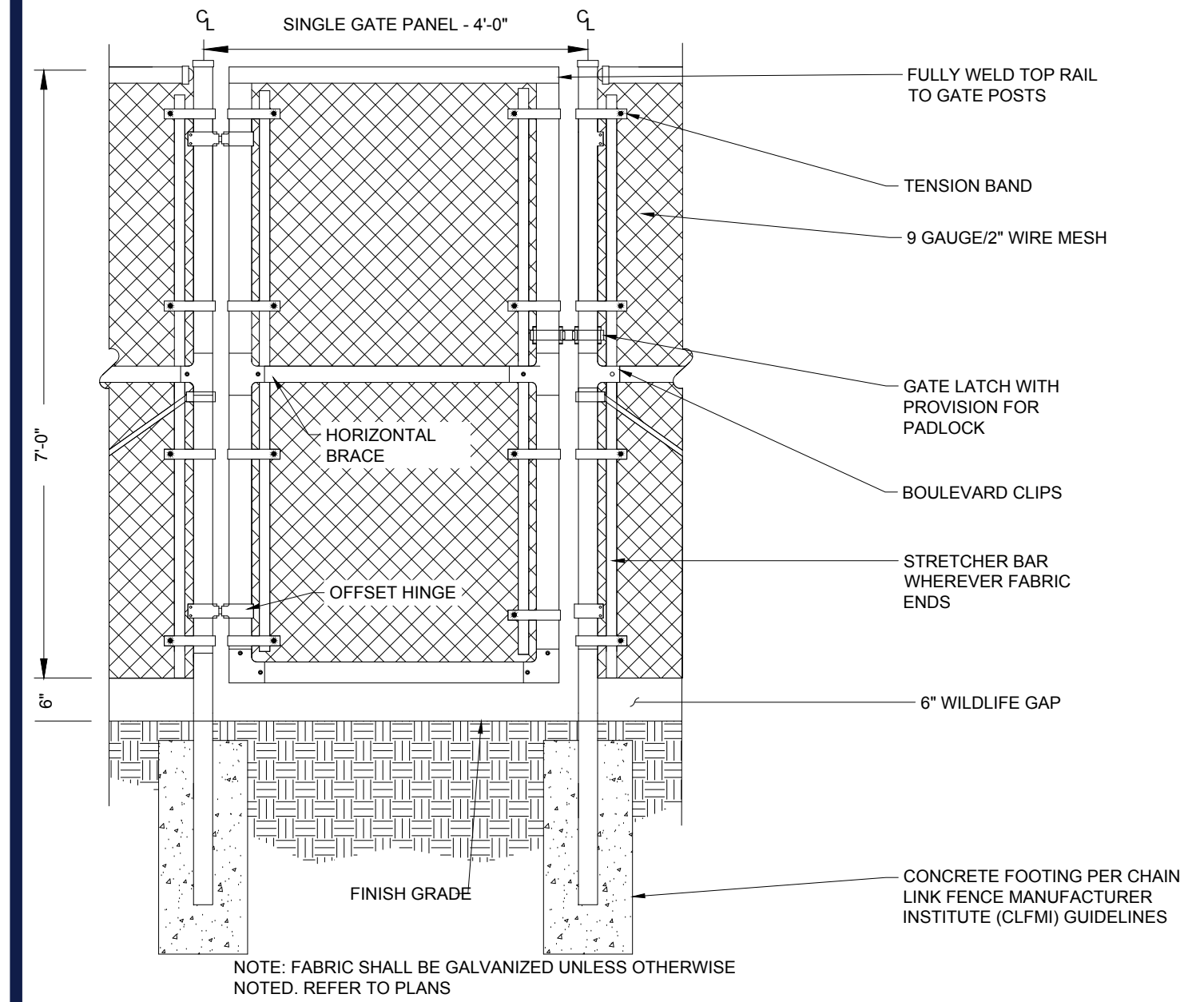
CMU AREA SCREEN WALL

N.T.S.



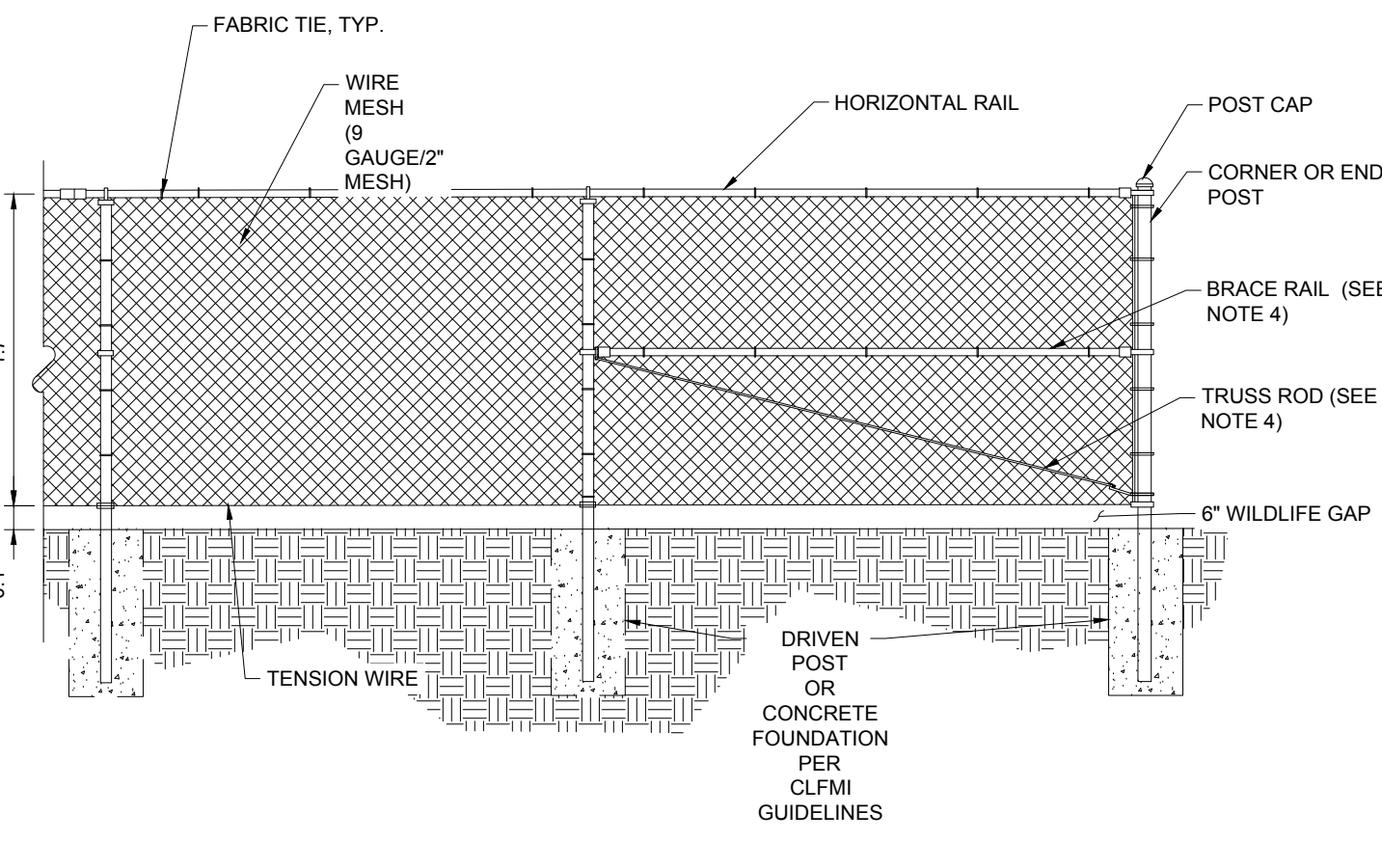
TYPICAL UTILITY TRENCH

N.T.S.



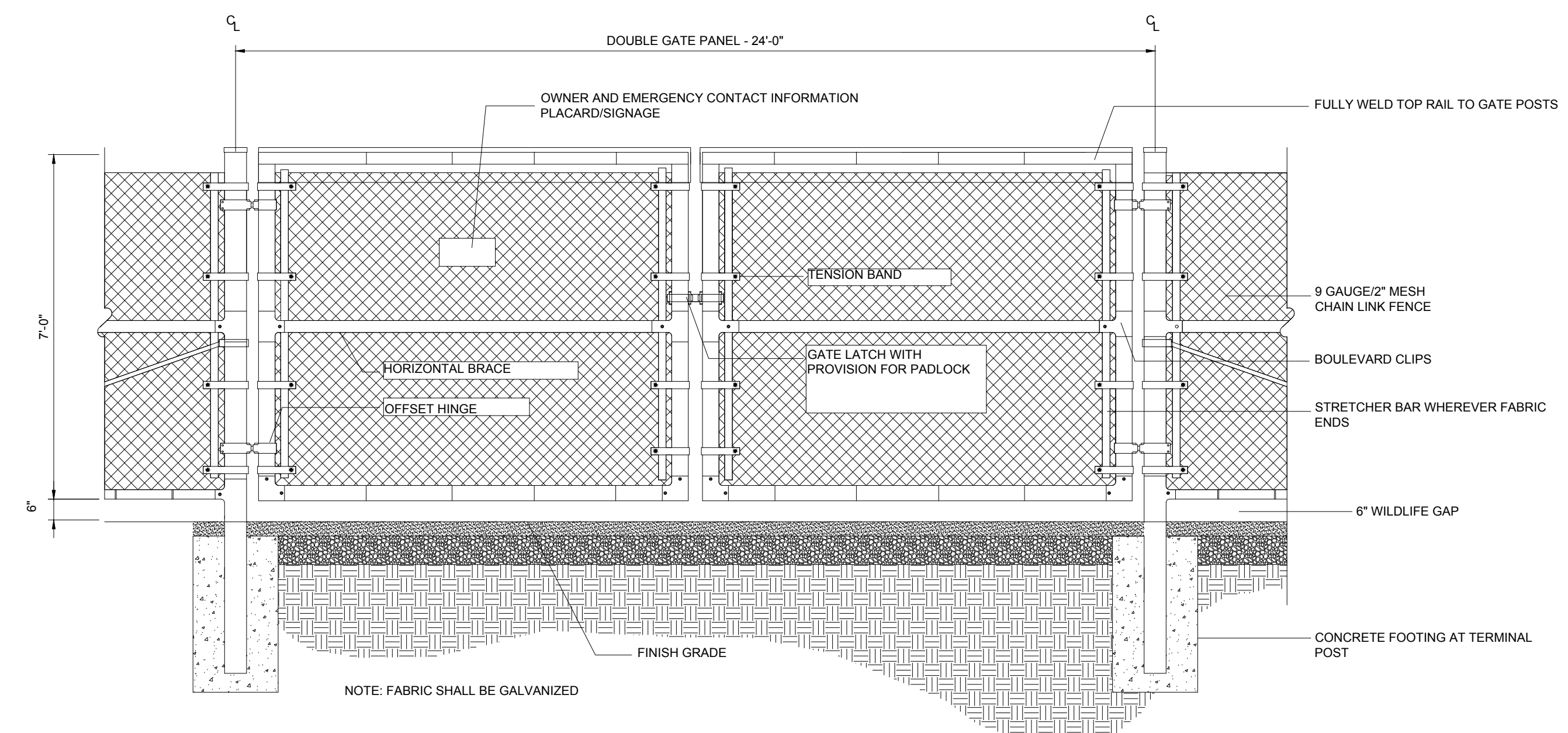
7' ACCESS GATE WITH WILDLIFE GAP

N.T.S.



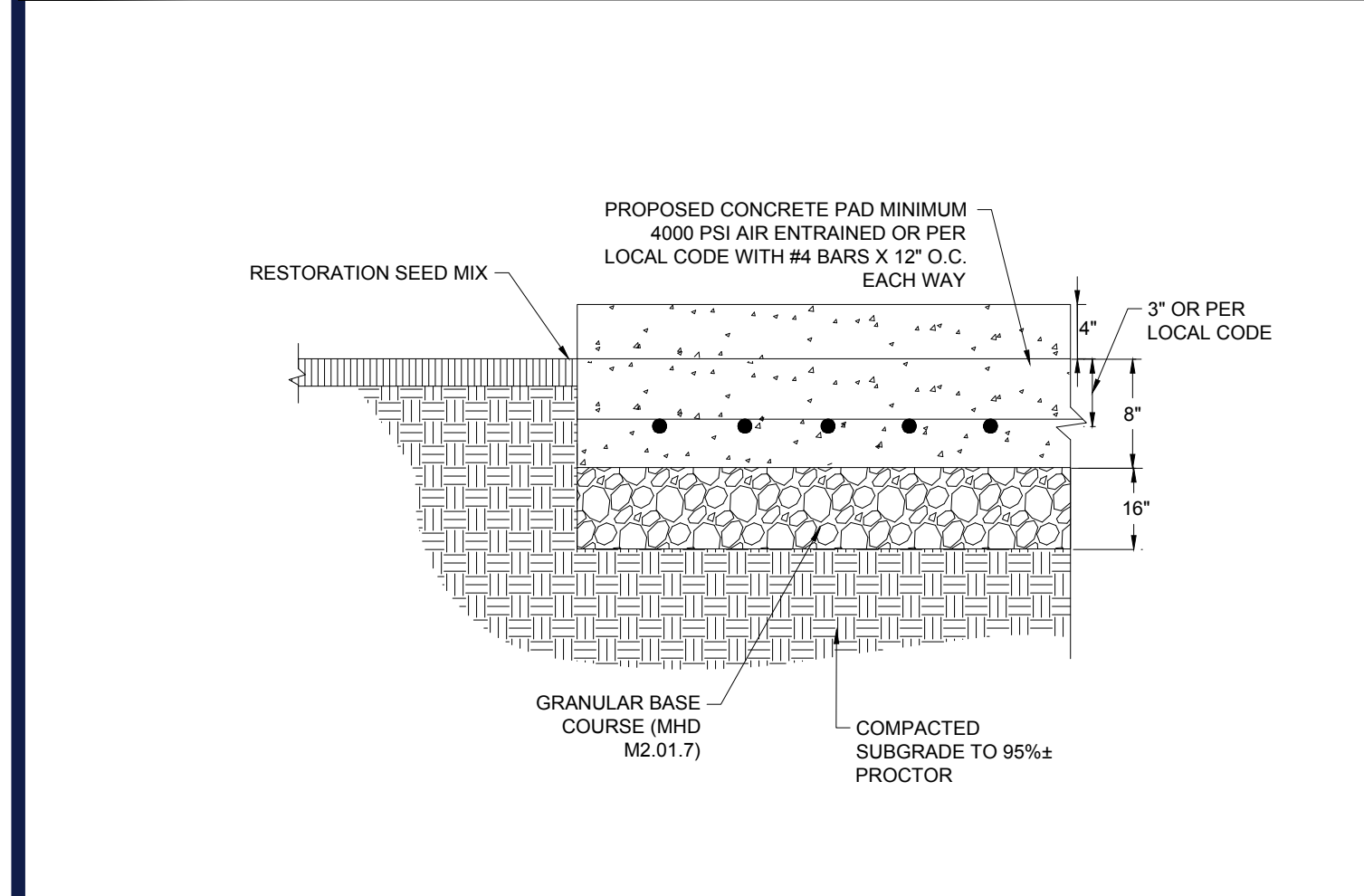
7' CHAIN LINK FENCE WITH WILDLIFE GAP

N.T.S.



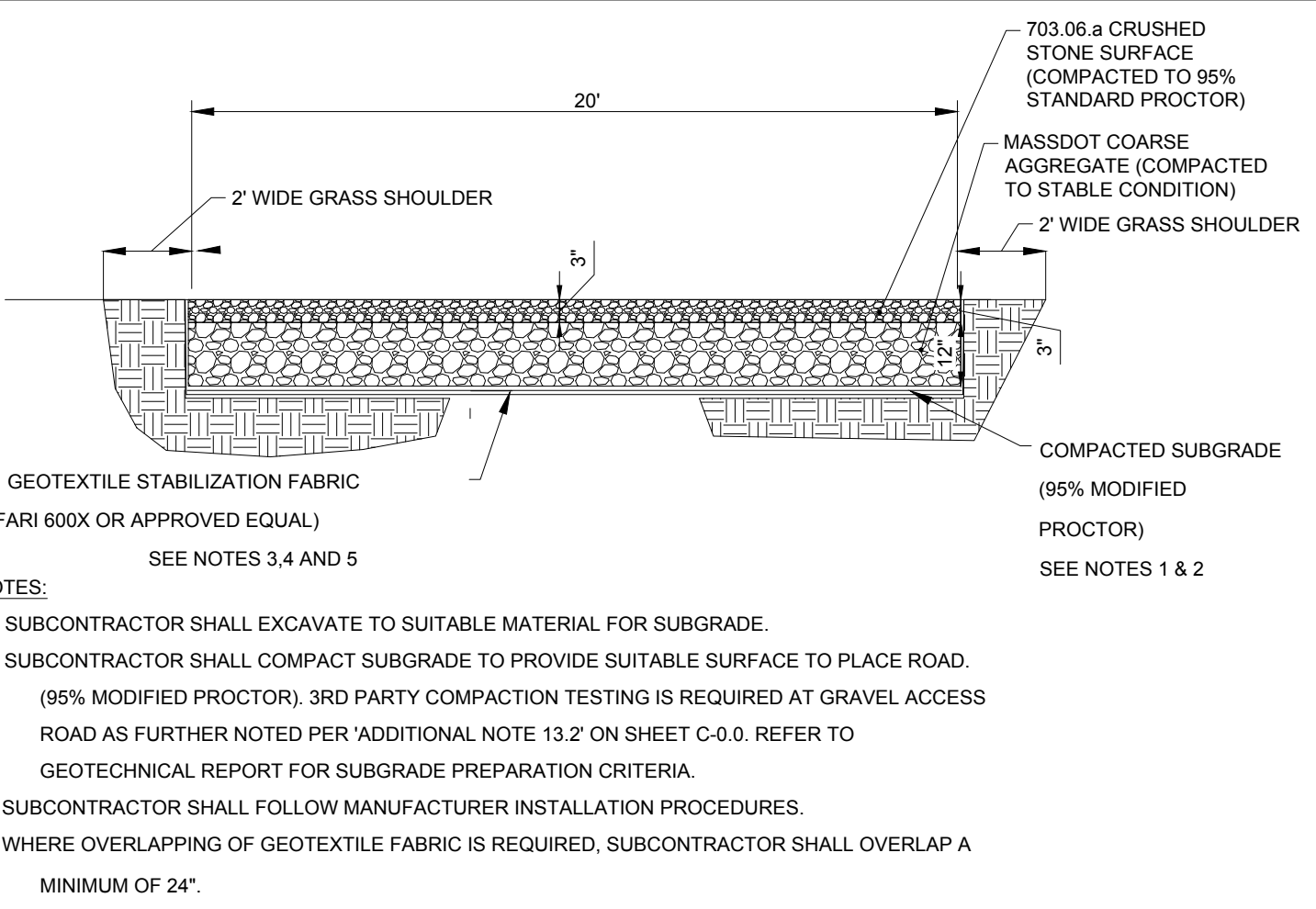
24' WIDE DOUBLE SWING GATE WITH WILDLIFE GAP

N.T.S.



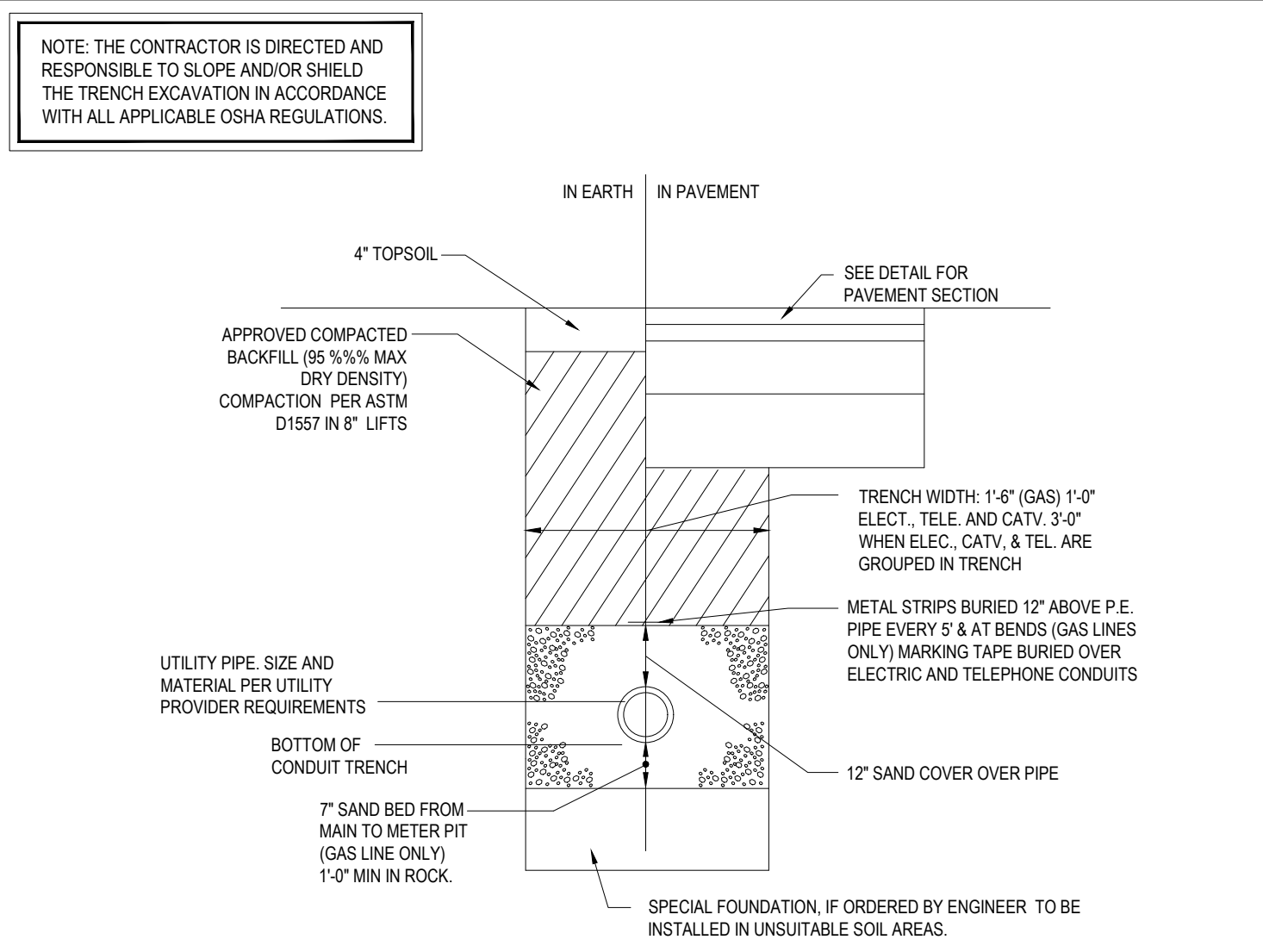
CONCRETE PAD FOR EQUIPMENT

N.T.S.



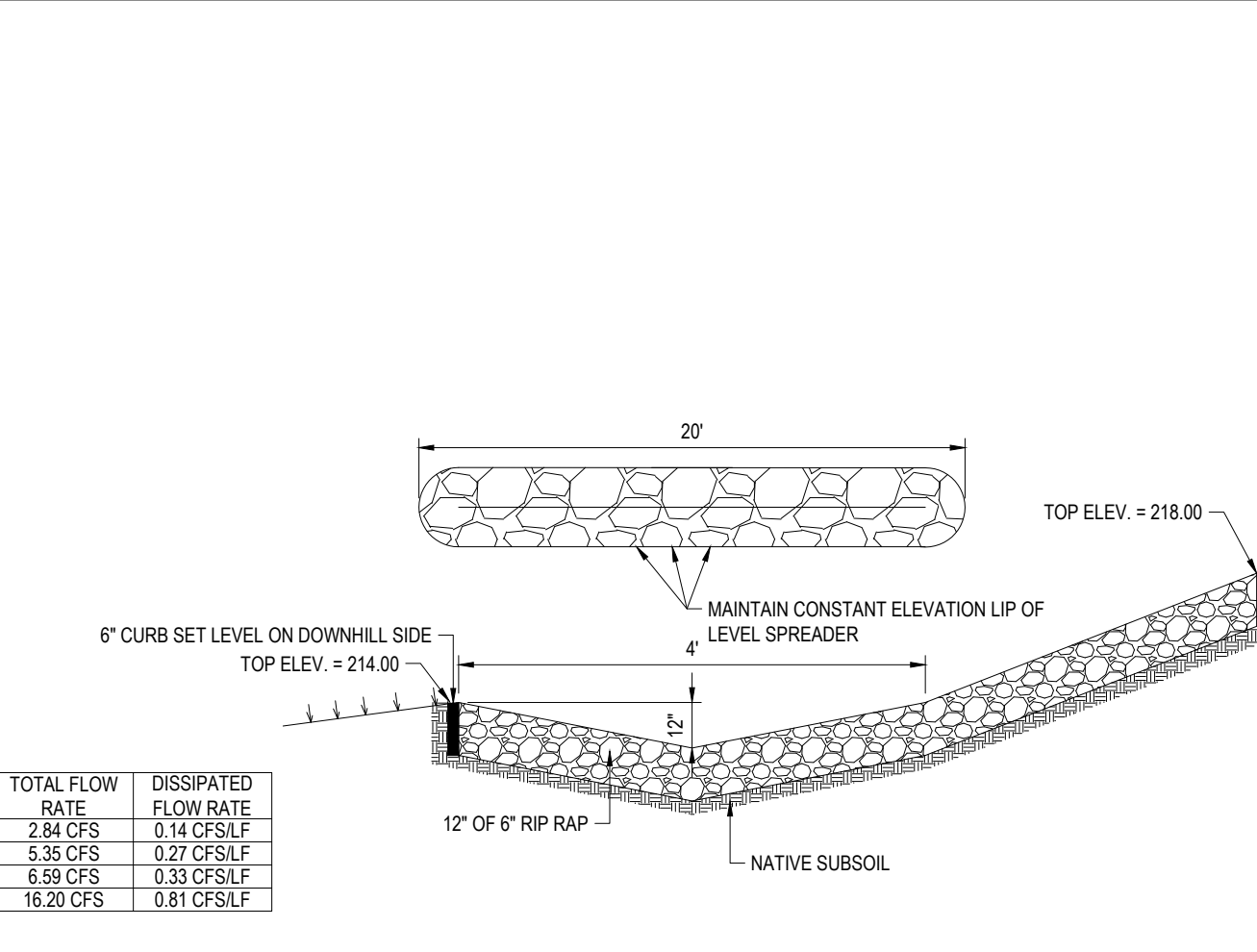
ACCESS GRAVEL ROAD

N.T.S.



PRIMARY ELECTRICAL TRENCH DETAIL

N.T.S.



LEVEL SPREADER

N.T.S.

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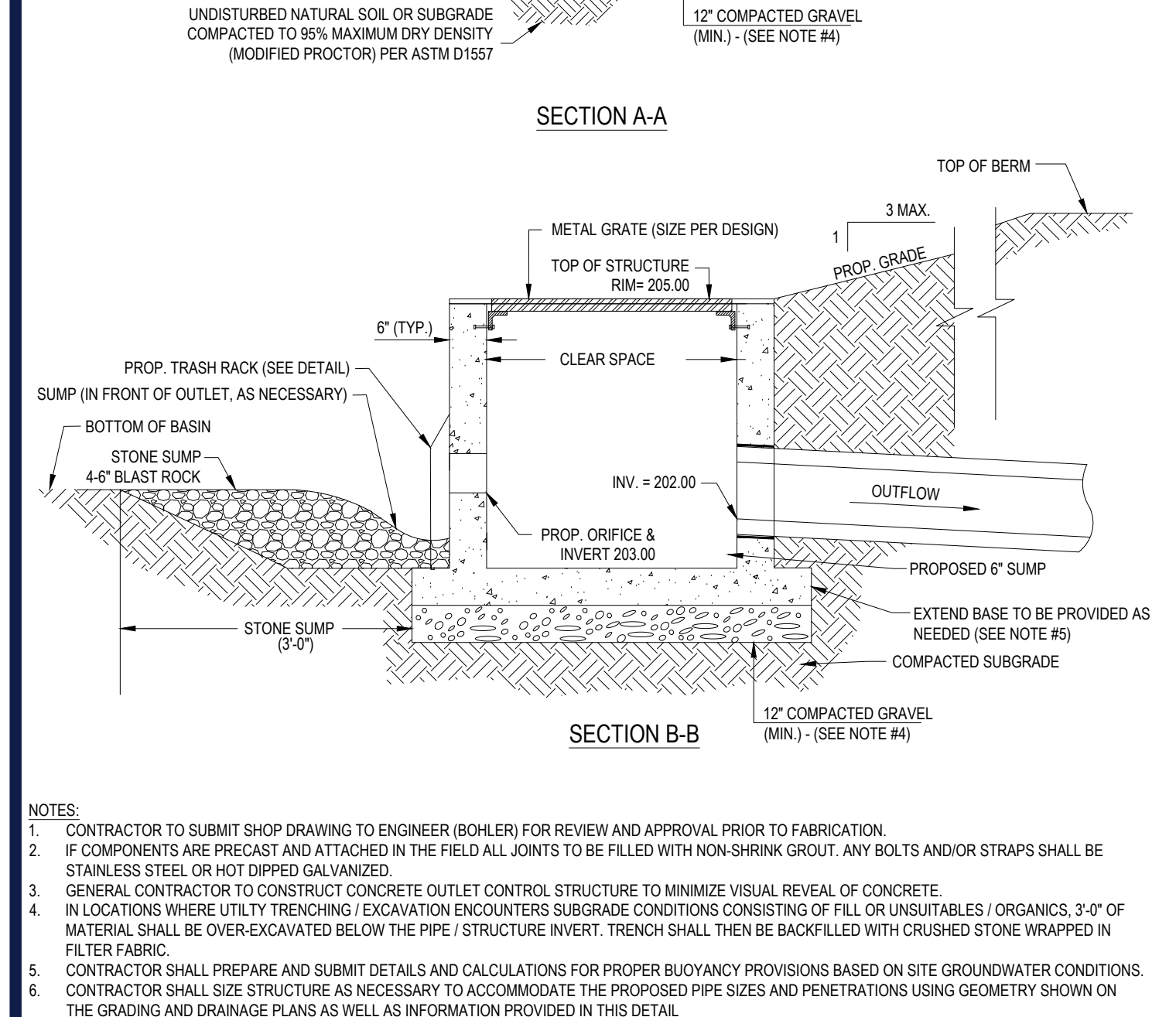
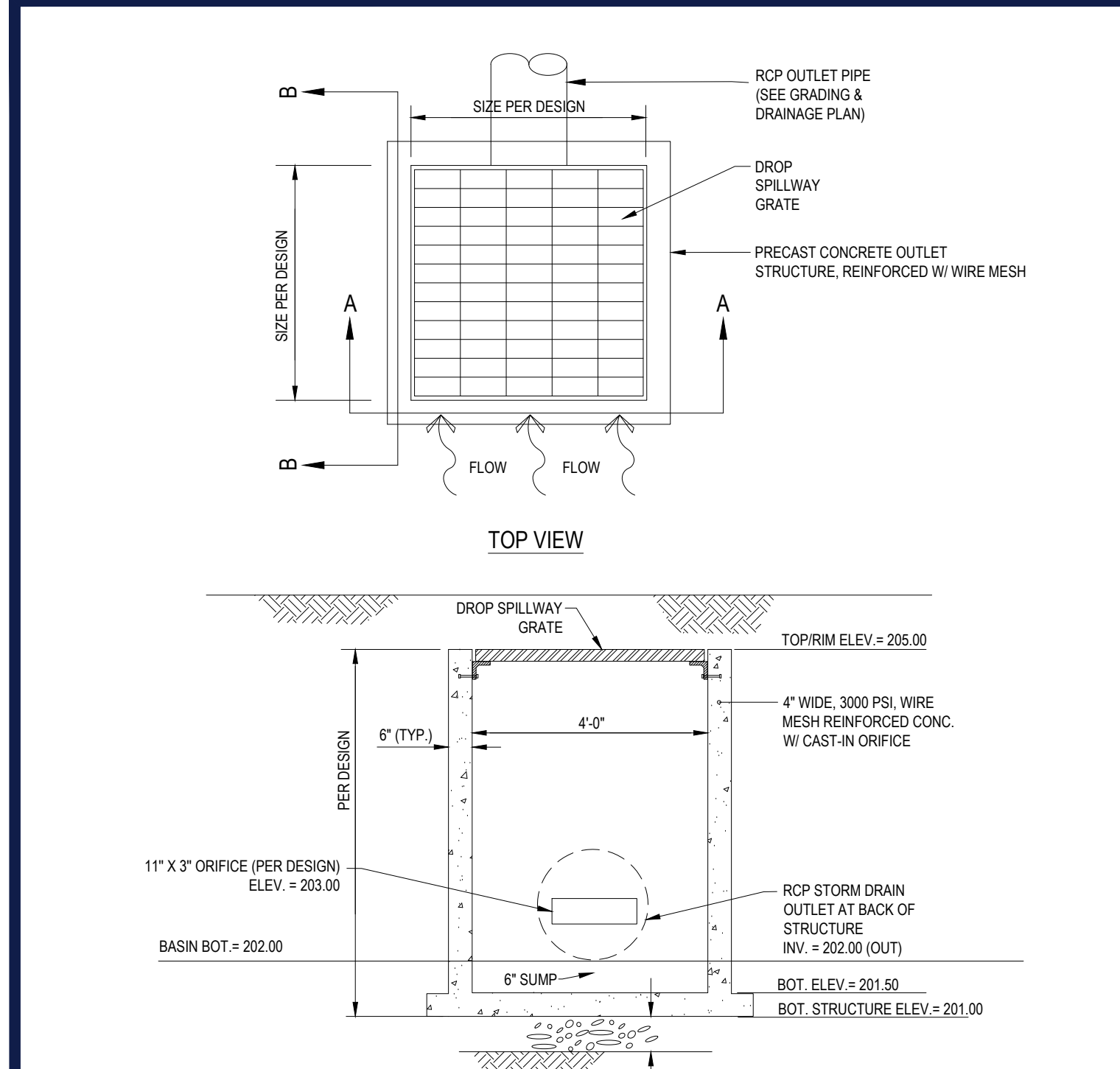
PROPOSED SITE PLAN DOCUMENTS
 FOR
NEXTGRID MESCALBEAN LLC
 PROPOSED SOLAR FARM

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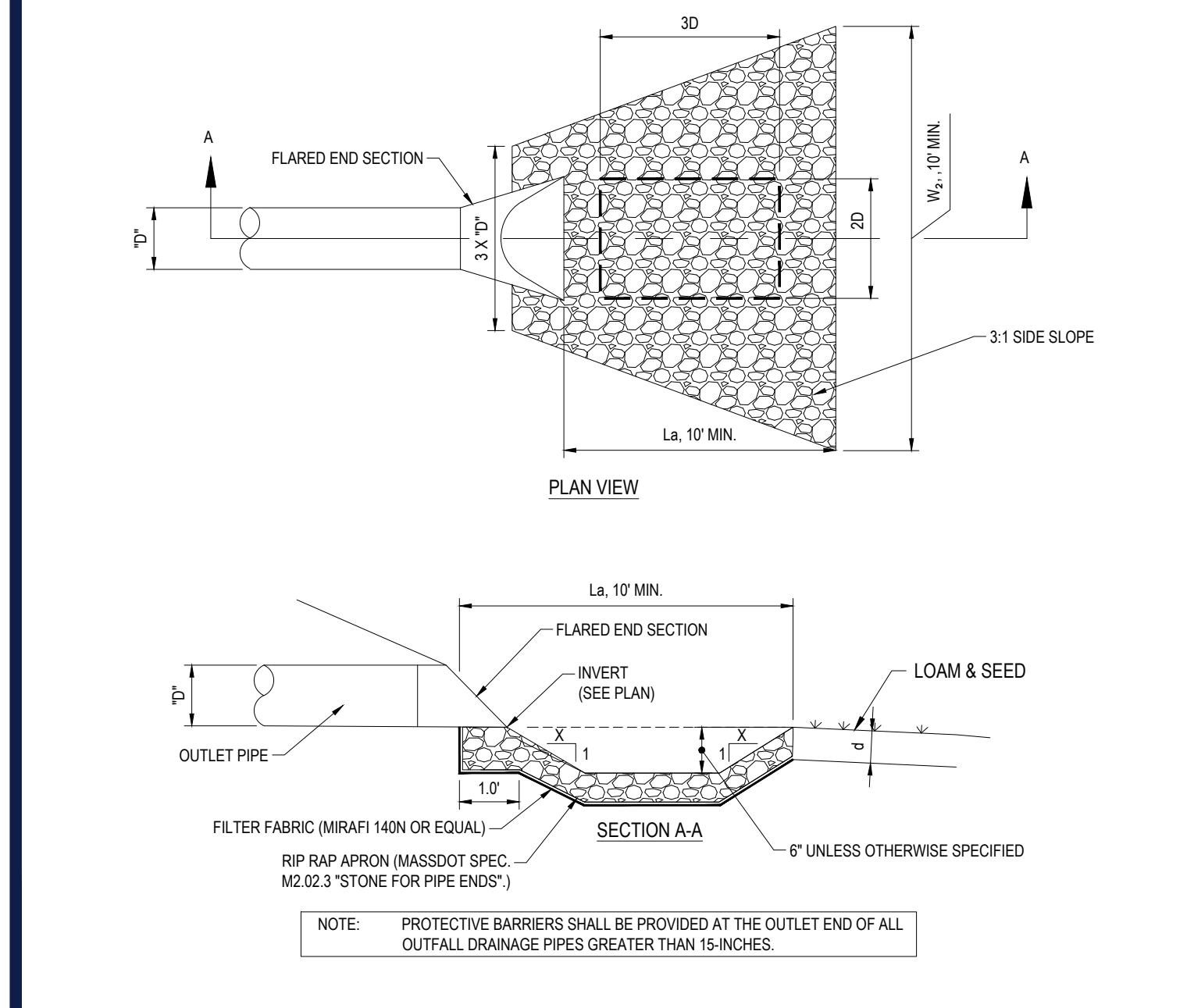
JOHN A. KUCHAR
 CIVIL ENGINEER
 No. 41530
 REGISTERED PROFESSIONAL ENGINEER
 MAINE LICENSE No. 12553

SHEET TITLE:
DETAIL SHEET
 SHEET NUMBER:
C-901
 REVISION 4 - 8/01/2023



DETENTION BASIN EMERGENCY SPILLWAY

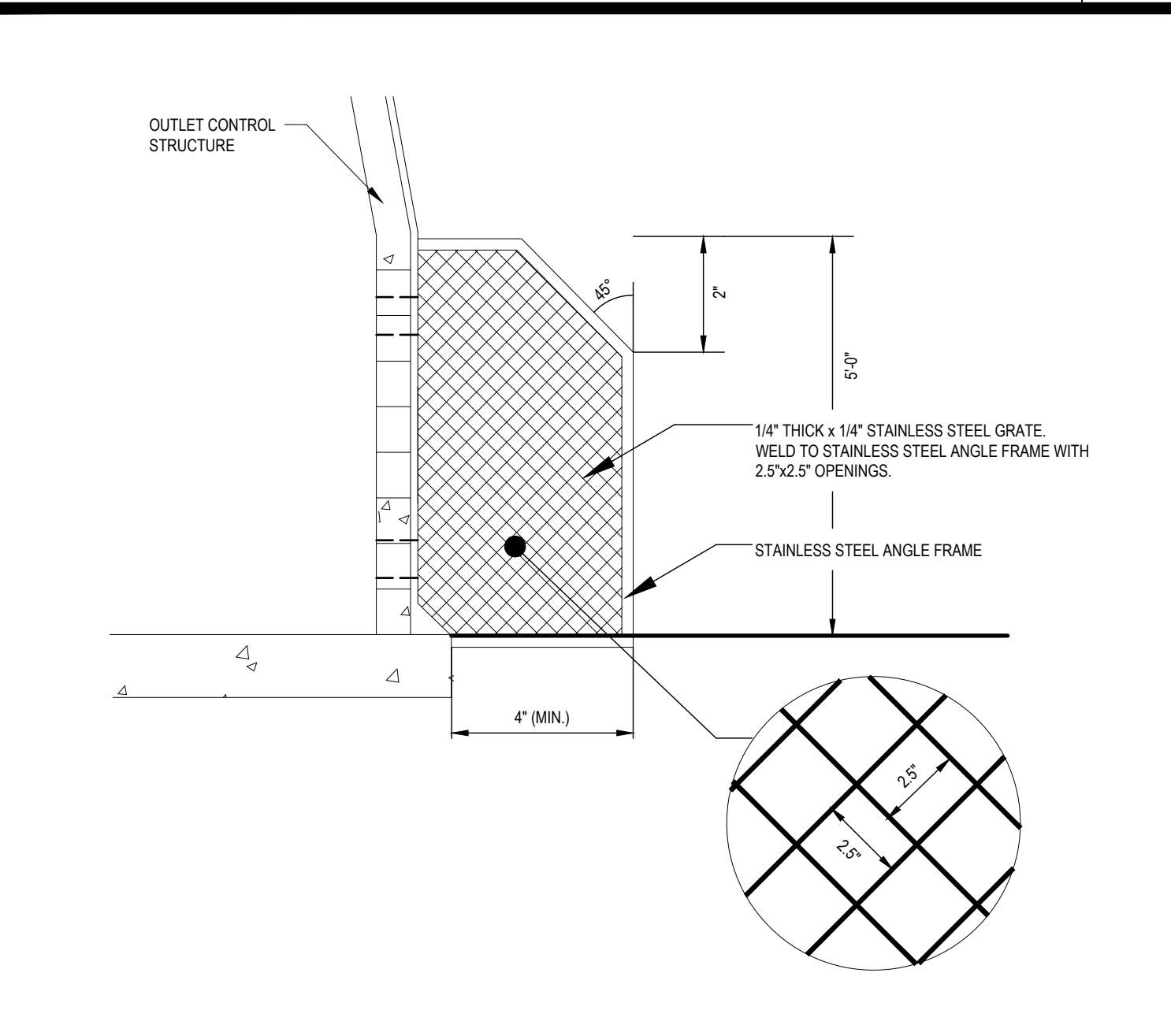
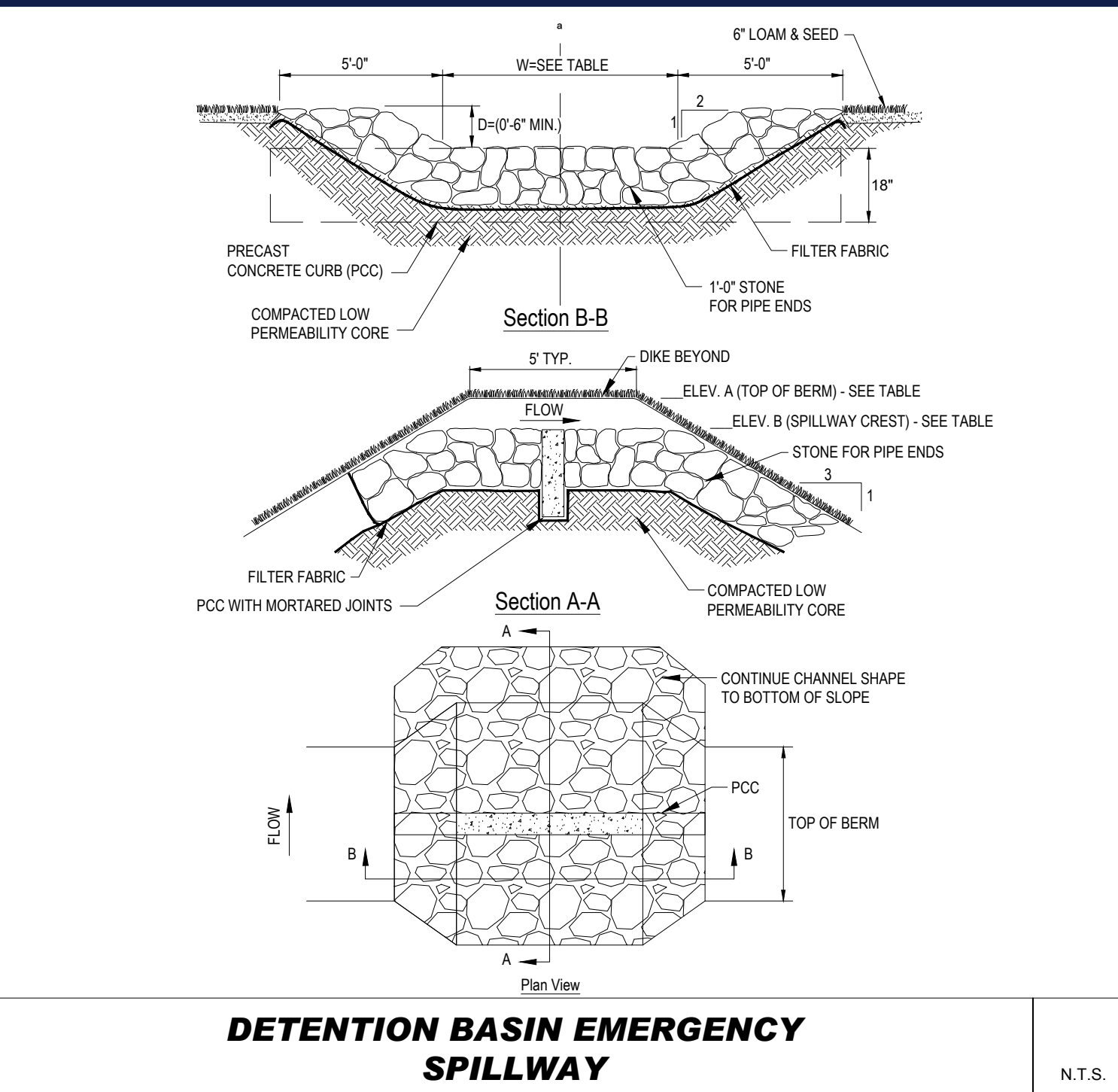
N.T.S.



TYPICAL SURFACE BASIN OUTLET CONTROL STRUCTURE DETAIL

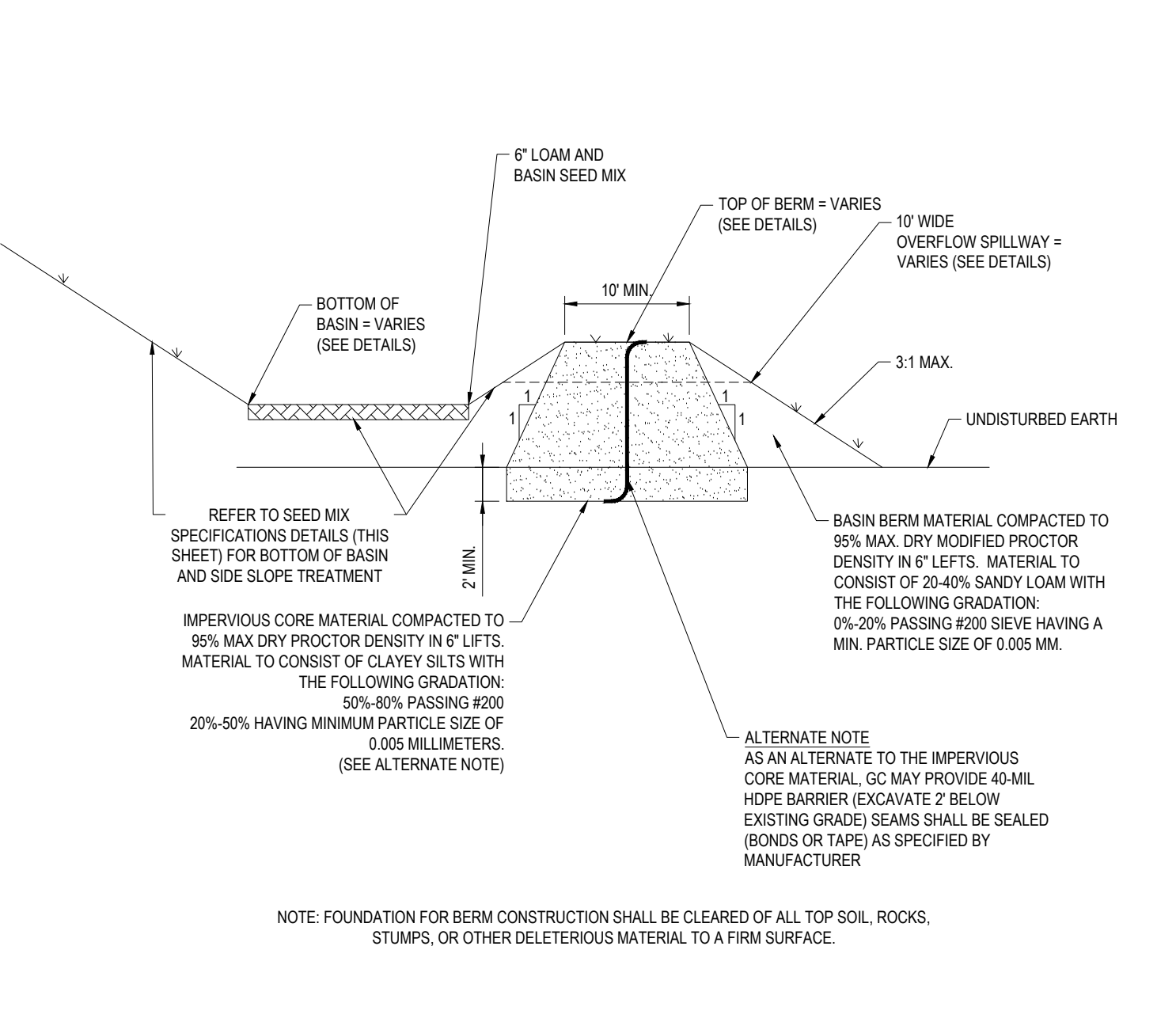
N.T.S.

NOTES:
 1. CONTRACTOR TO SUBMIT SHOP DRAWING TO ENGINEER (BOHLER) FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
 2. IF COMPONENTS ARE PRECAST AND ATTACHED IN THE FIELD ALL JOINTS TO BE FILLED WITH NON-SHRINK GROUT. ANY BOLTS AND/OR STRAPS SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED.
 3. GENERAL CONTRACTOR TO CONSTRUCT CONCRETE OUTLET CONTROL STRUCTURE TO MINIMIZE VISUAL REVEAL OF CONCRETE.
 4. IN LOCATIONS WHERE UTILITY TRENCHING EXCAVATION ENCOUNTERS SUBGRADE CONDITIONS CONSISTING OF FILL OR UNSUITABLE ORGANICS, 3:1 OF MATERIAL SHALL BE OVER-EXCAVATED BELOW THE PIPE / STRUCTURE INVERT. TRENCH SHALL THEN BE BACKFILLED WITH CRUSHED STONE WRAPPED IN FILTER FABRIC.
 5. CONTRACTOR SHALL PREPARE AND SUBMIT DETAILS AND CALCULATIONS FOR PROPER BUOYANCY PROVISIONS BASED ON SITE GROUNDWATER CONDITIONS.
 6. CONTRACTOR SHALL SIZE STRUCTURE AS NECESSARY TO ACCOMMODATE THE PROPOSED PIPE SIZES AND PENETRATIONS USING GEOMETRY SHOWN ON THE GRADING AND DRAINAGE PLANS AS WELL AS INFORMATION PROVIDED IN THIS DETAIL.



BASIN SEED MIX SPECIFICATIONS

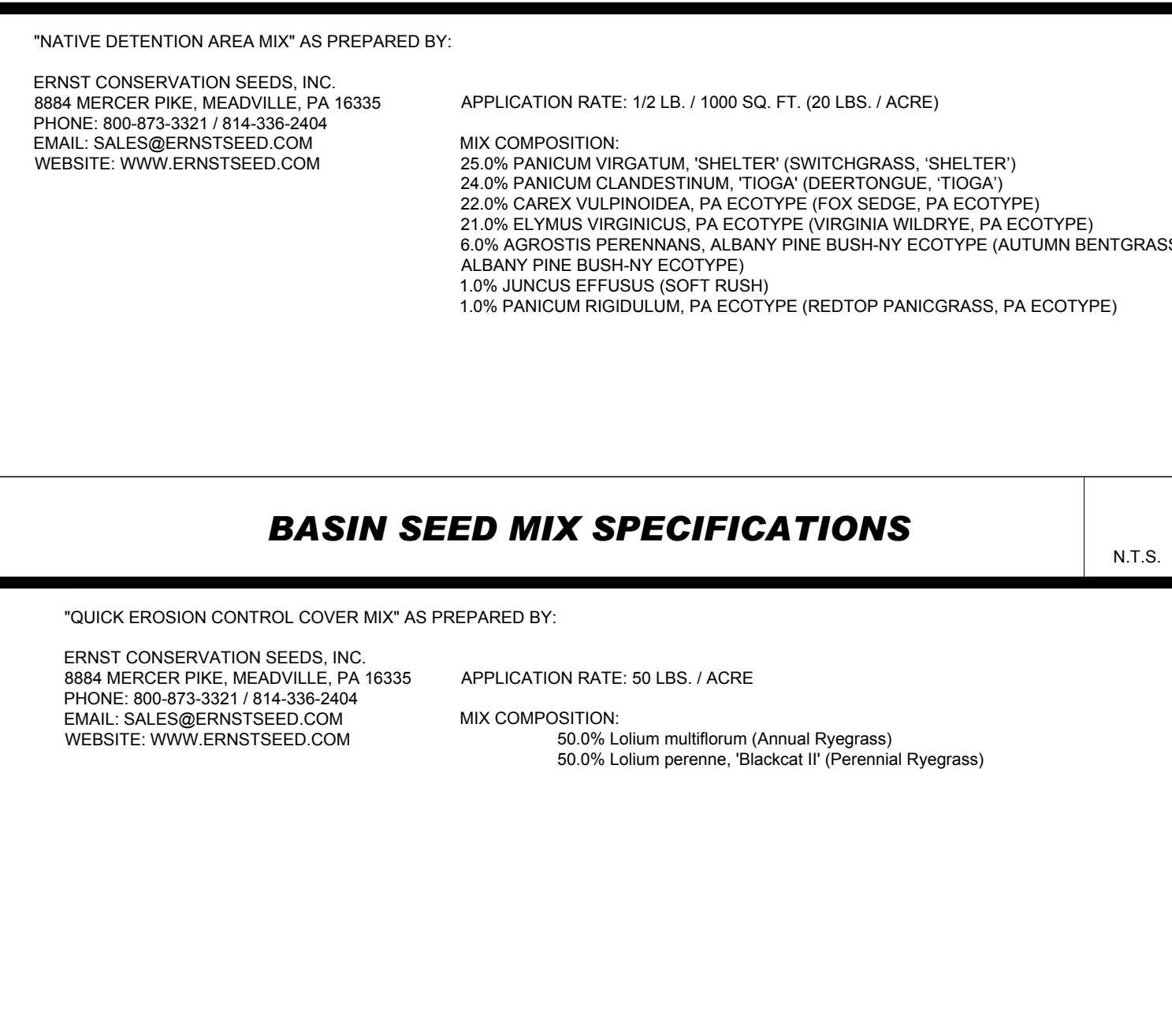
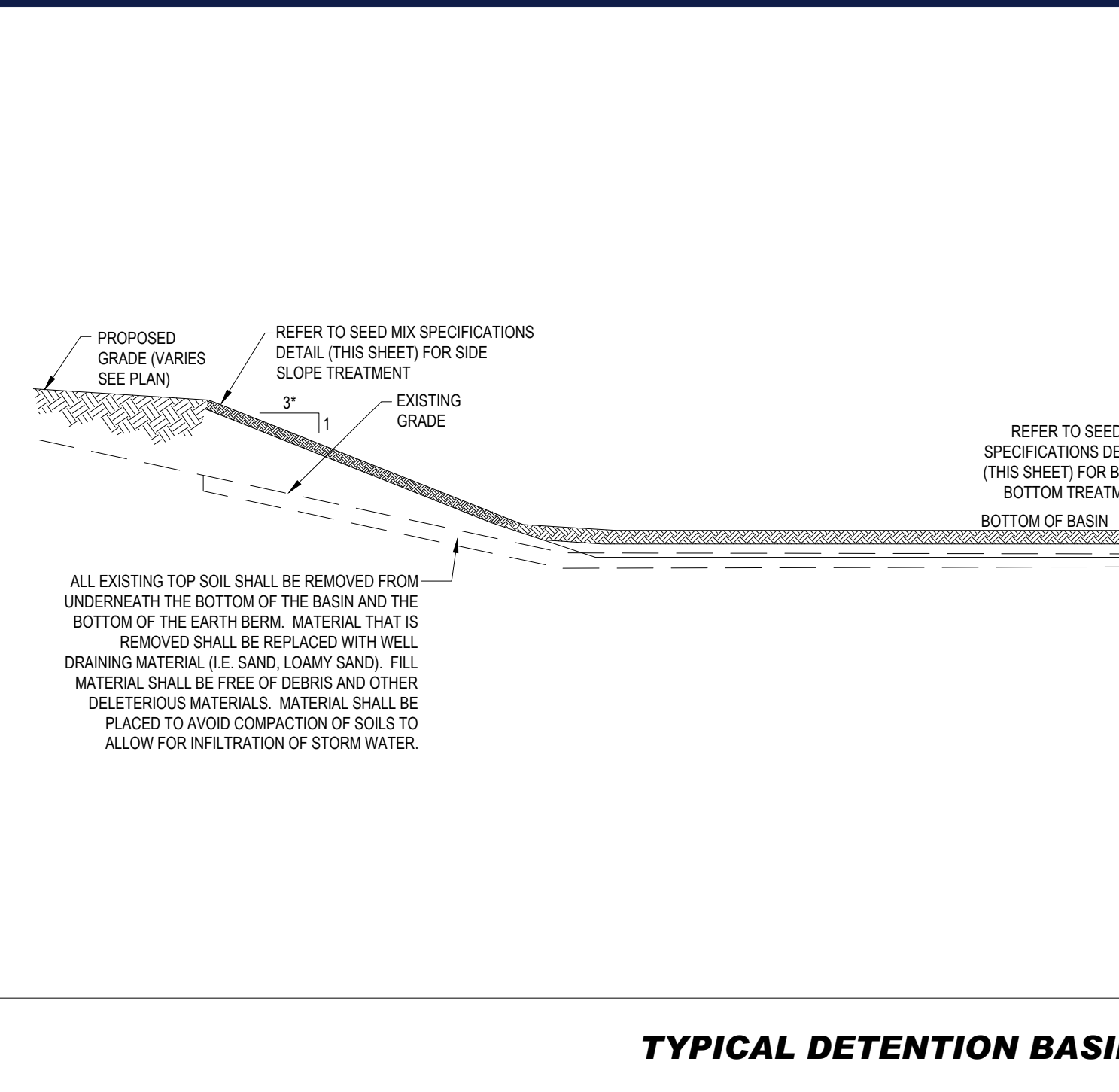
N.T.S.



TYPICAL DETENTION BASIN CROSS SECTION DETAIL

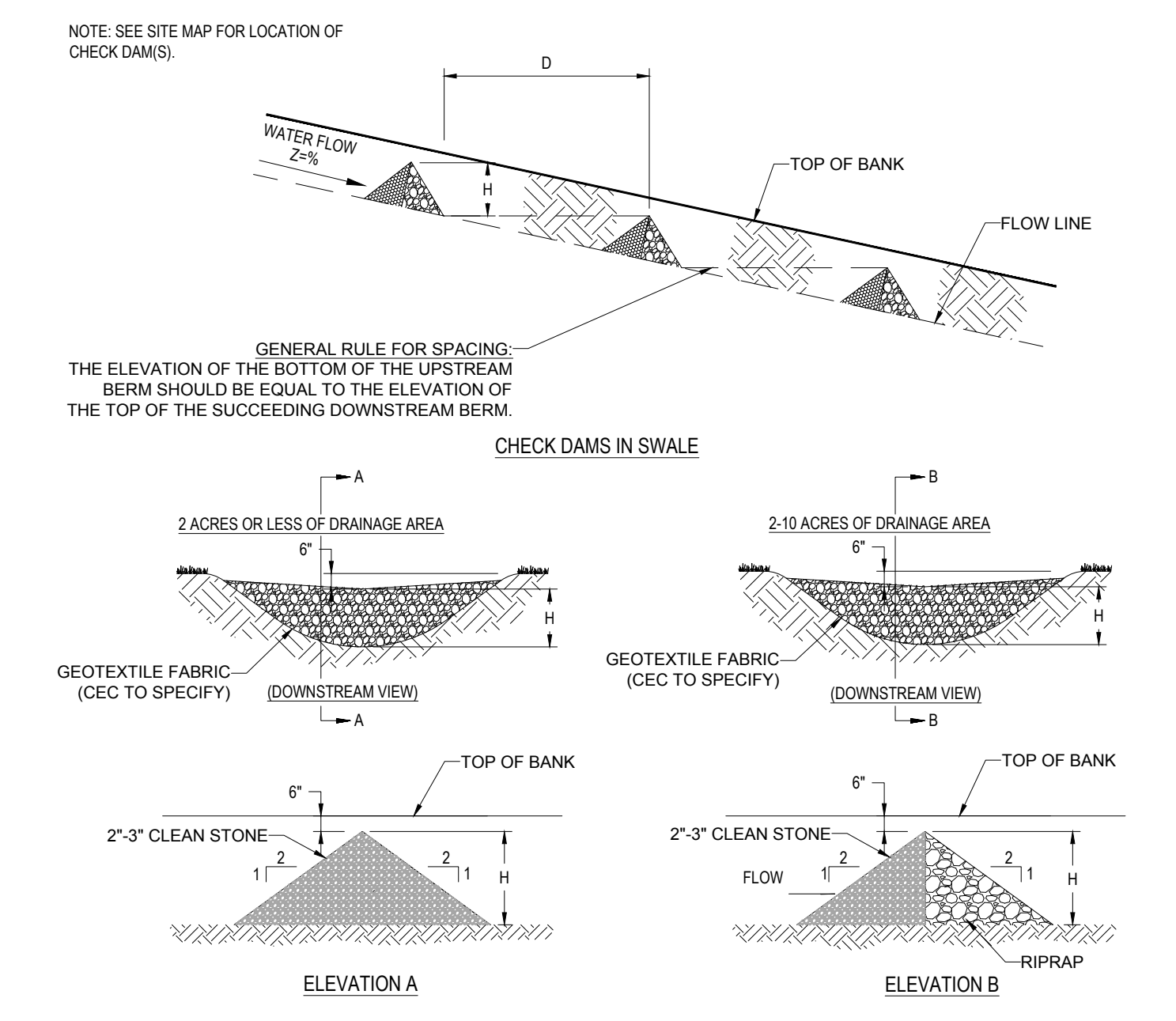
N.T.S.

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



BASIN SEED MIX SPECIFICATIONS

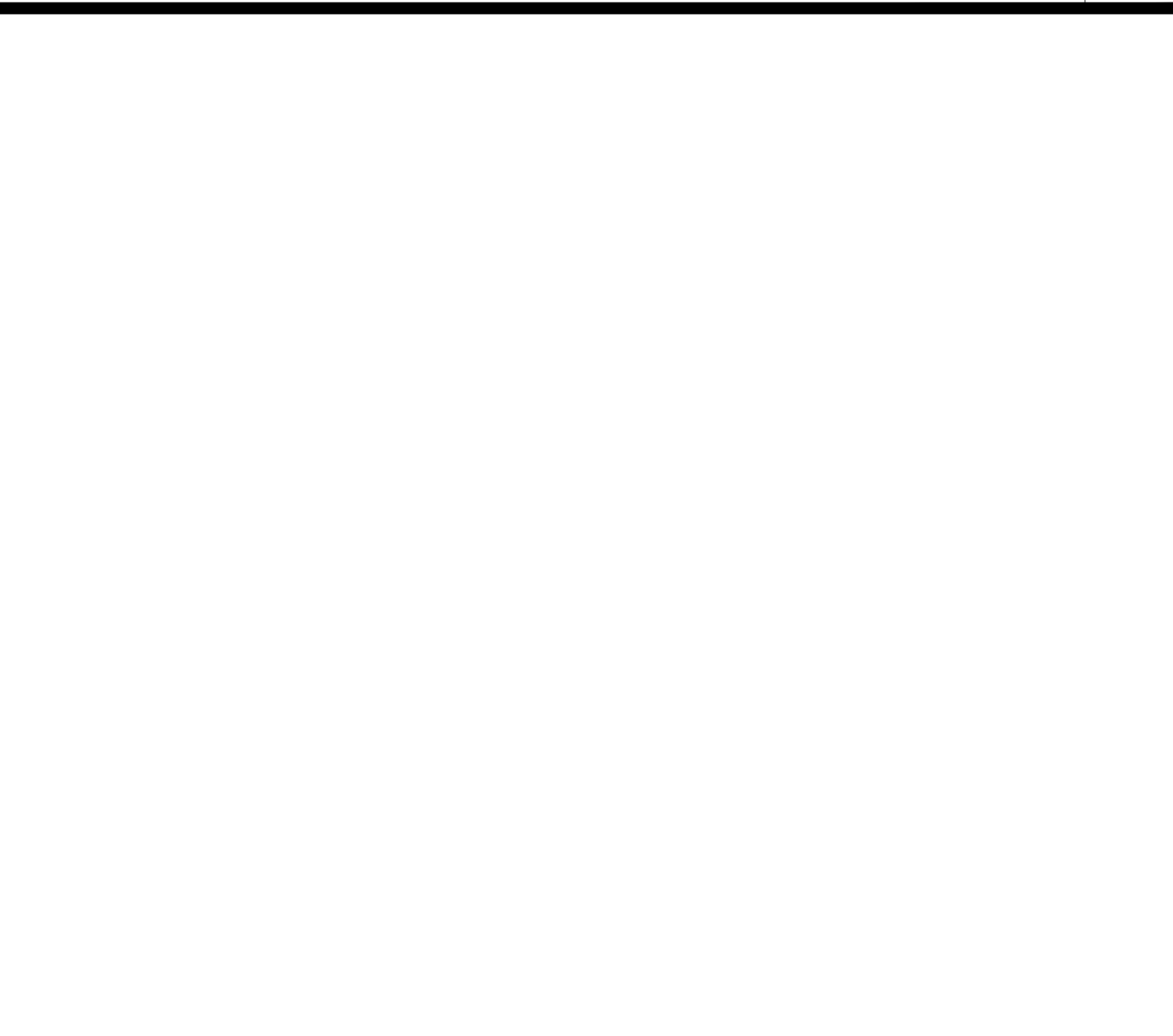
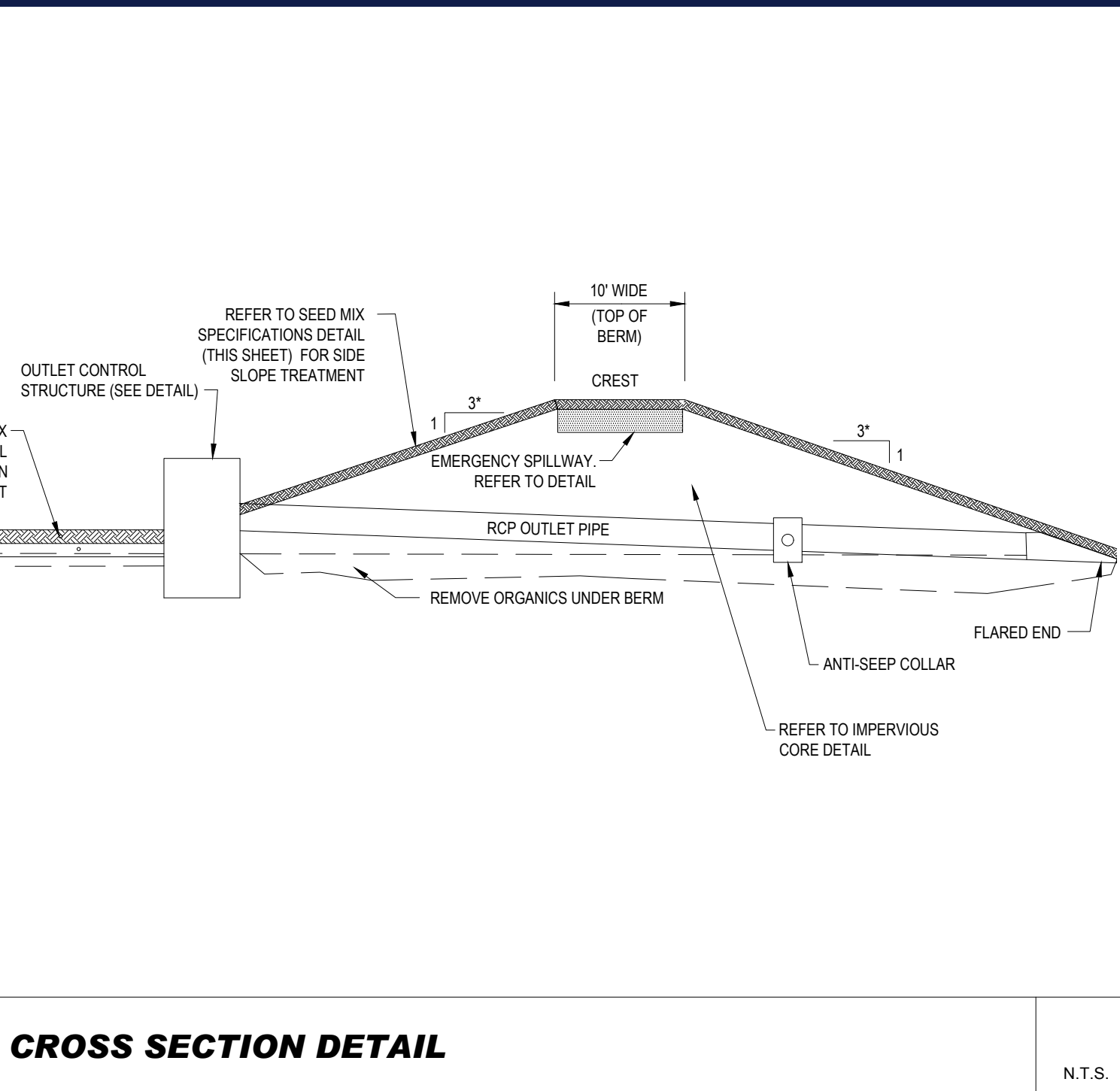
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TYPICAL DETENTION BASIN CROSS SECTION DETAIL

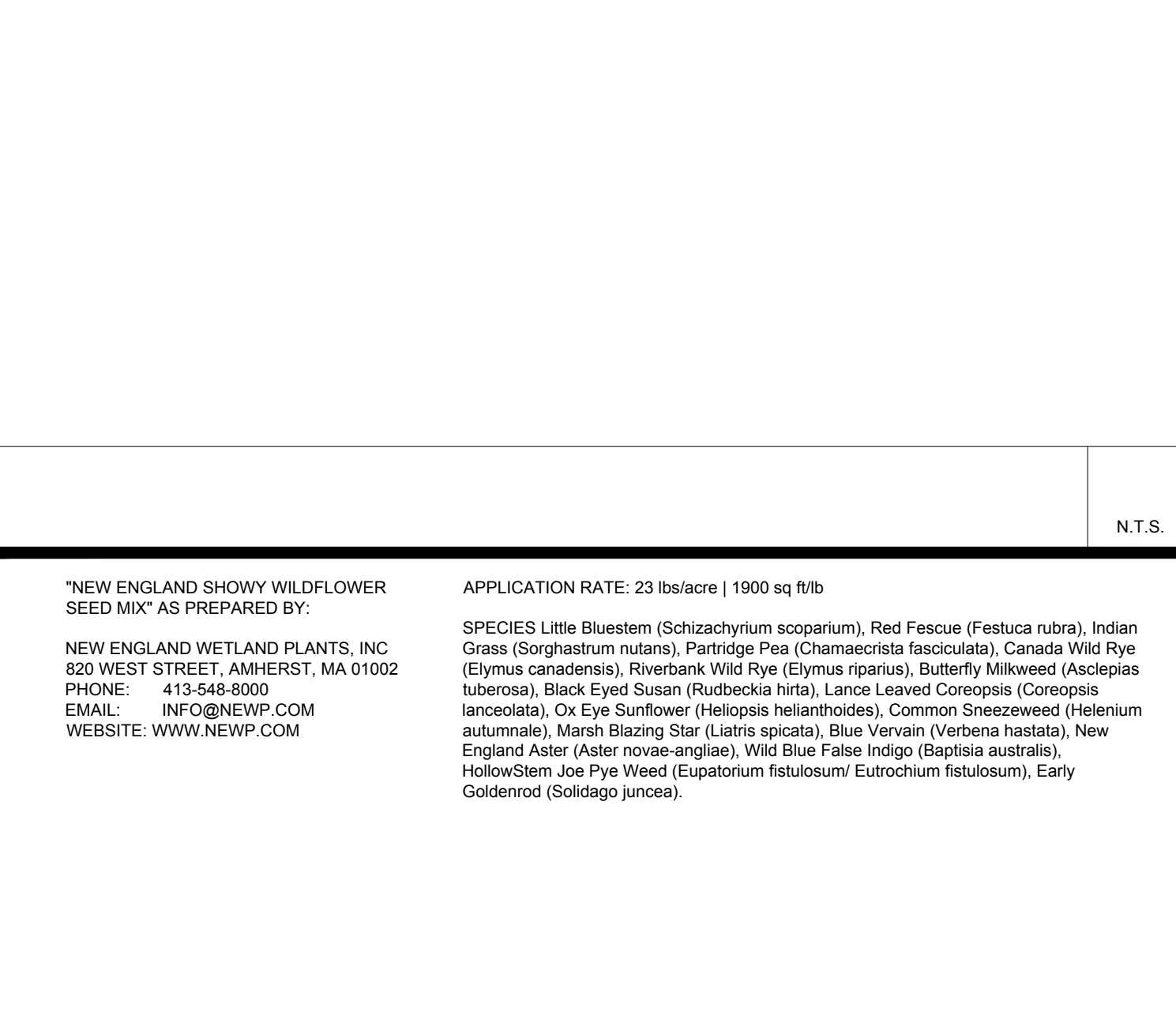
N.T.S.

ERNST CONSERVATION SEEDS, INC.
 8884 MERCER PIKE, MEADVILLE, PA 16335
 PHONE: 800-873-3321 / 814-338-2404
 EMAIL: SALES@ERNSTSEED.COM
 WEBSITE: WWW.ERNSTSEED.COM



NEW ENGLAND SHOWY WILDFLOWER SEED MIX SPECIFICATIONS

N.T.S.



ROCK CHECK DAM

N.T.S.

NEW ENGLAND WETLAND PLANTS, INC.
 820 WEST STREET, AMHERST, MA 01002
 PHONE: 413-548-8000
 EMAIL: INFO@NEWPC.COM
 WEBSITE: WWW.NEWPC.COM

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REVISIONS

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PROJECT No.: W201257
 DRAWN BY: EVD / CMC / OCR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD ID: W201257-DET-4A

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
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 TOWN OF BELLINGHAM & FRANKLIN,
 NORFOLK COUNTY, MASSACHUSETTS

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 SOUTHBOROUGH, MA 01772
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DETAIL SHEET

SHEET NUMBER:
C-902
 REVISION 4 - 8/01/2023

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REVISIONS

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1	06/07/2023	PLANNING BOARD COMMENTS	OCR
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DRAWN BY:	EVD / CMC / OCR
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CAD LID:	W201257-DET1-4A

PROJECT: **PROPOSED SITE PLAN DOCUMENTS**

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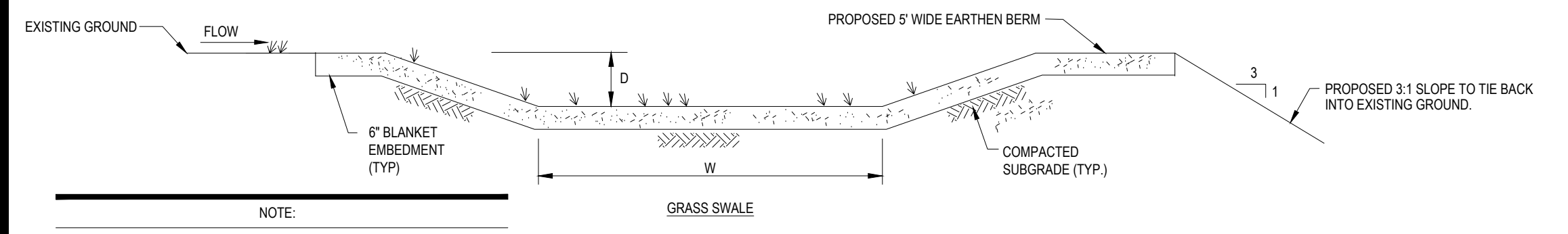
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SHEET TITLE:
DETAIL SHEET

SHEET NUMBER:
C-903

REVISION 4 - 8/01/2023



- NOTE:**
- GEOTECHNICAL FABRIC TO BE INSTALLED FOR SLOPE STABILIZATION WHERE SLOPES EXCEED 4%.
 - SEED MIX FOR GRASSSED SWALES SHALL CONSIST OF THE FOLLOWING:
 70% RED FESCUE
 15% PERENNIAL RYE GRASS
 15% BIRDS FOOT TREFOIL
 - REFER TO GRADING PLANS FOR MORE INFORMATION.

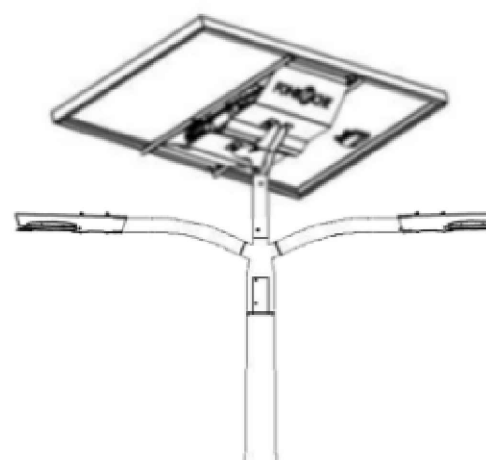
GRASSSED SWALE WITH EARTHEN BERM

N.T.S.

The Most Reliable Solar Lighting in the World

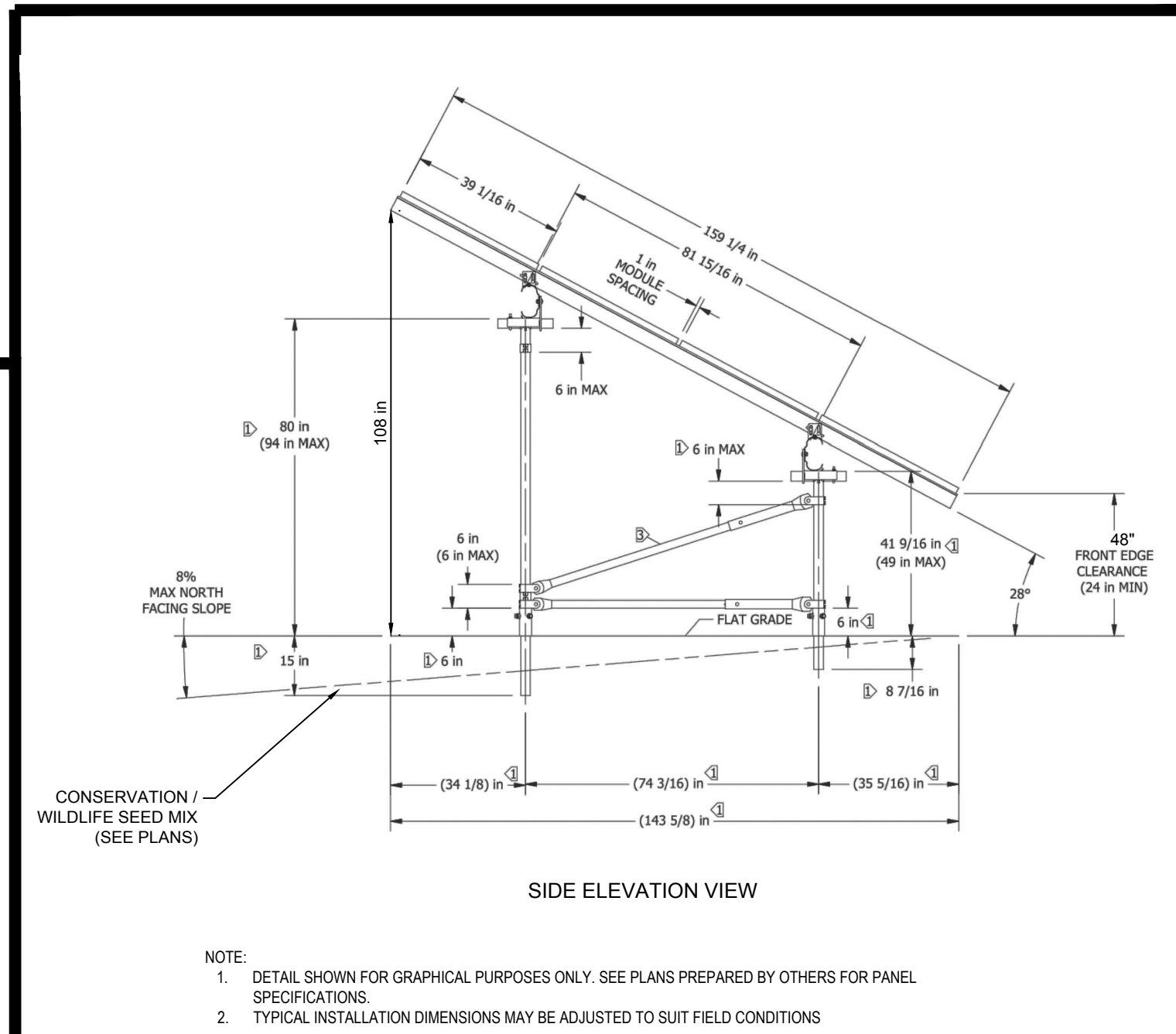
We keep our solutions simple with Smartlight—one proven, powerful solar light that meets a wide range of needs. Its unique black solar panel looks elegant, day or night. No hanging wires or bulky battery box. No solar panel that looks like a high school science project. We use powerful components and smart controls to provide all the energy you need in a sleek package, so you can count on all-night lighting all year around.

- 175,000**
Smartlight Systems Installed Worldwide
- 365**
Nights of Lighting per Year Guaranteed
- 5 Years**
Warranty Including the Battery With No Pro-Rating
- \$0**
Zero Trenching Cost, Zero Electric Bills and Zero Maintenance



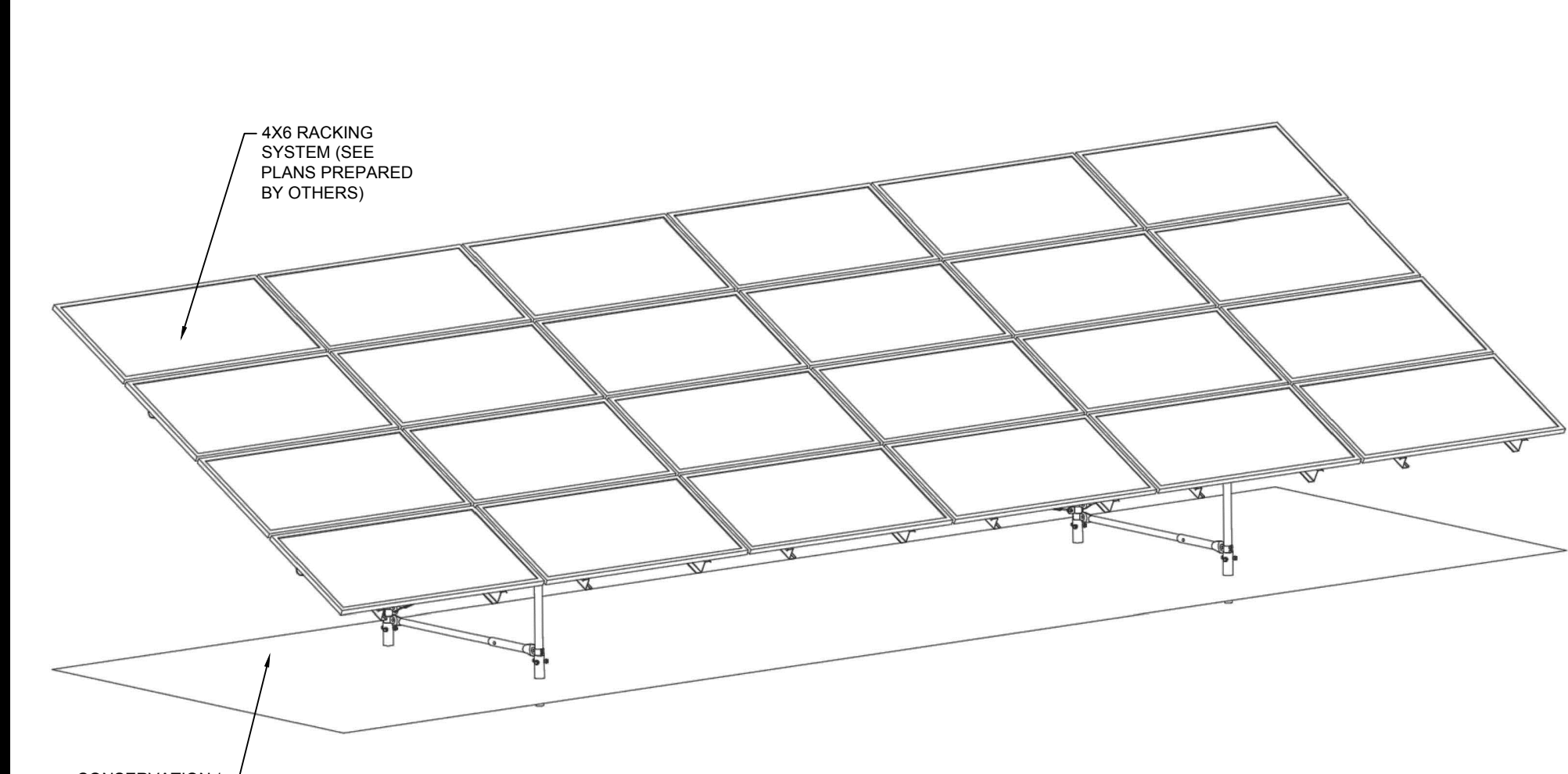
SMARTLIGHT TWIN CK 16B STREET LIGHT

N.T.S.



TYPICAL PANEL CROSS-SECTION DETAIL

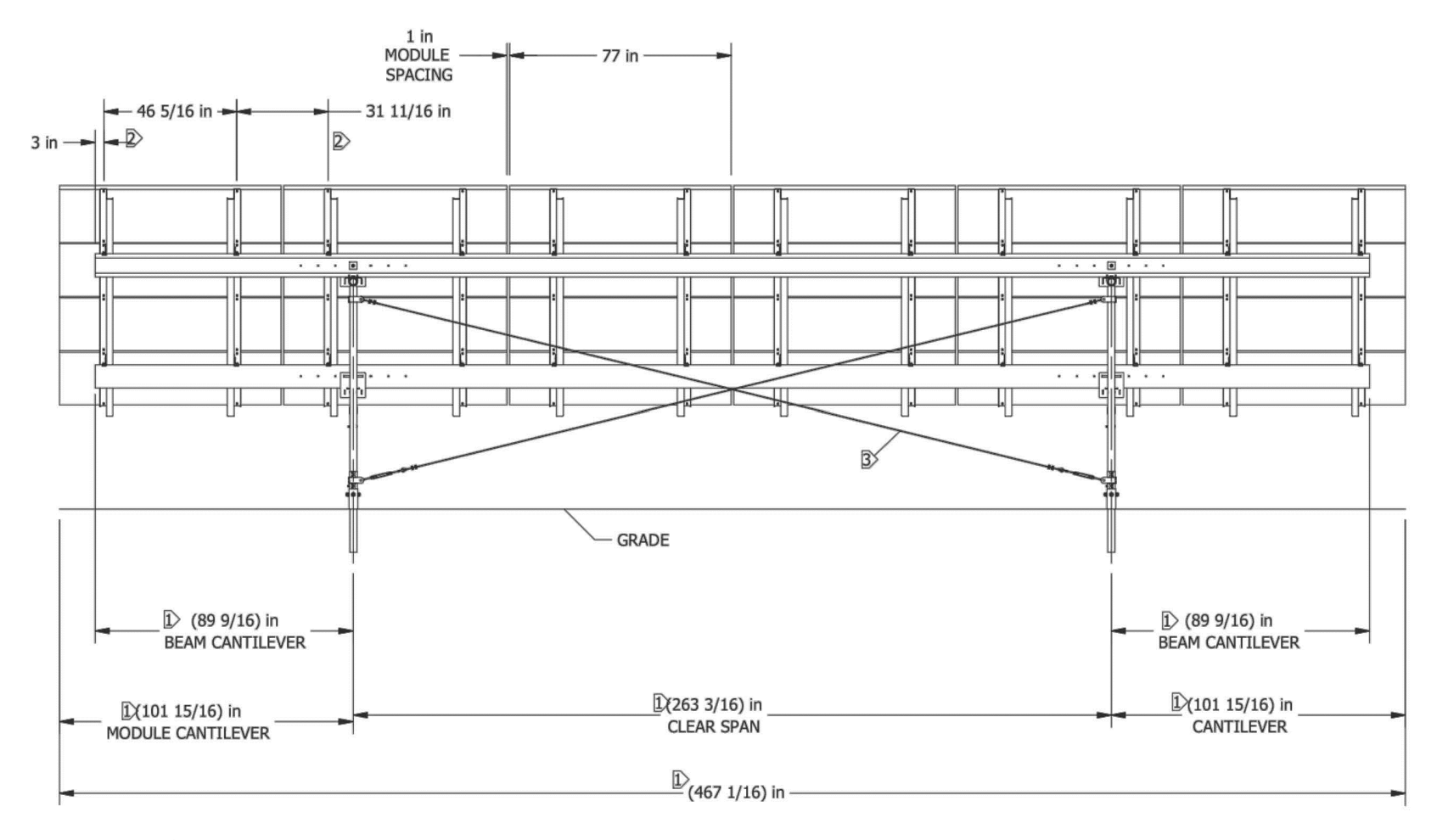
N.T.S.



- NOTE:**
- DETAIL SHOWN FOR GRAPHICAL PURPOSES ONLY. SEE PLANS PREPARED BY TERRASMART FOR PANEL SPECIFICATIONS.
 - TYPICAL INSTALLATION DIMENSIONS MAY BE ADJUSTED TO SUIT FIELD CONDITIONS

RACKING SYSTEM DETAIL

N.T.S.



- NOTE:**
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 - TYPICAL INSTALLATION DIMENSIONS MAY BE ADJUSTED TO SUIT FIELD CONDITIONS

PANEL LAYOUT DETAIL

N.T.S.

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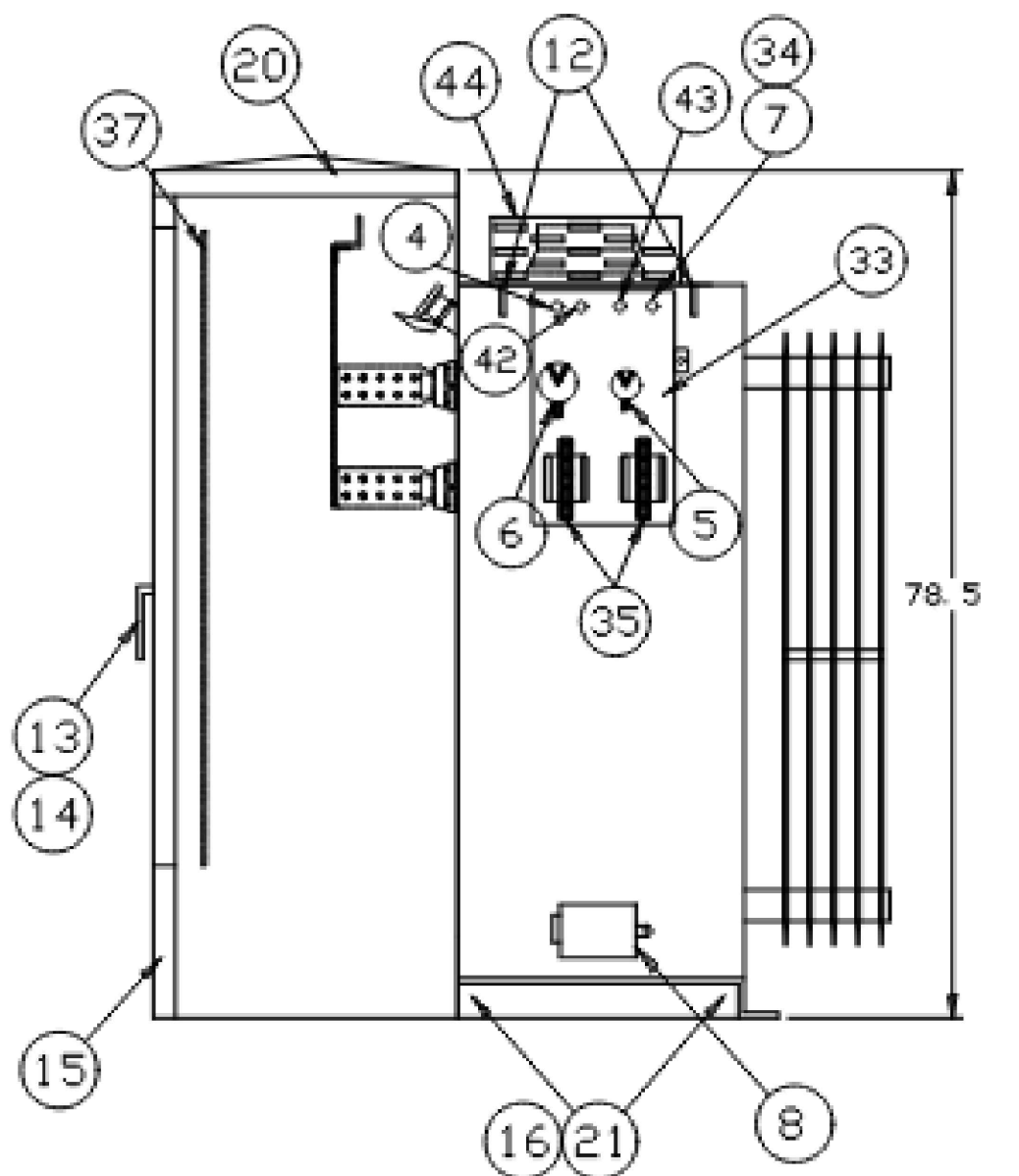
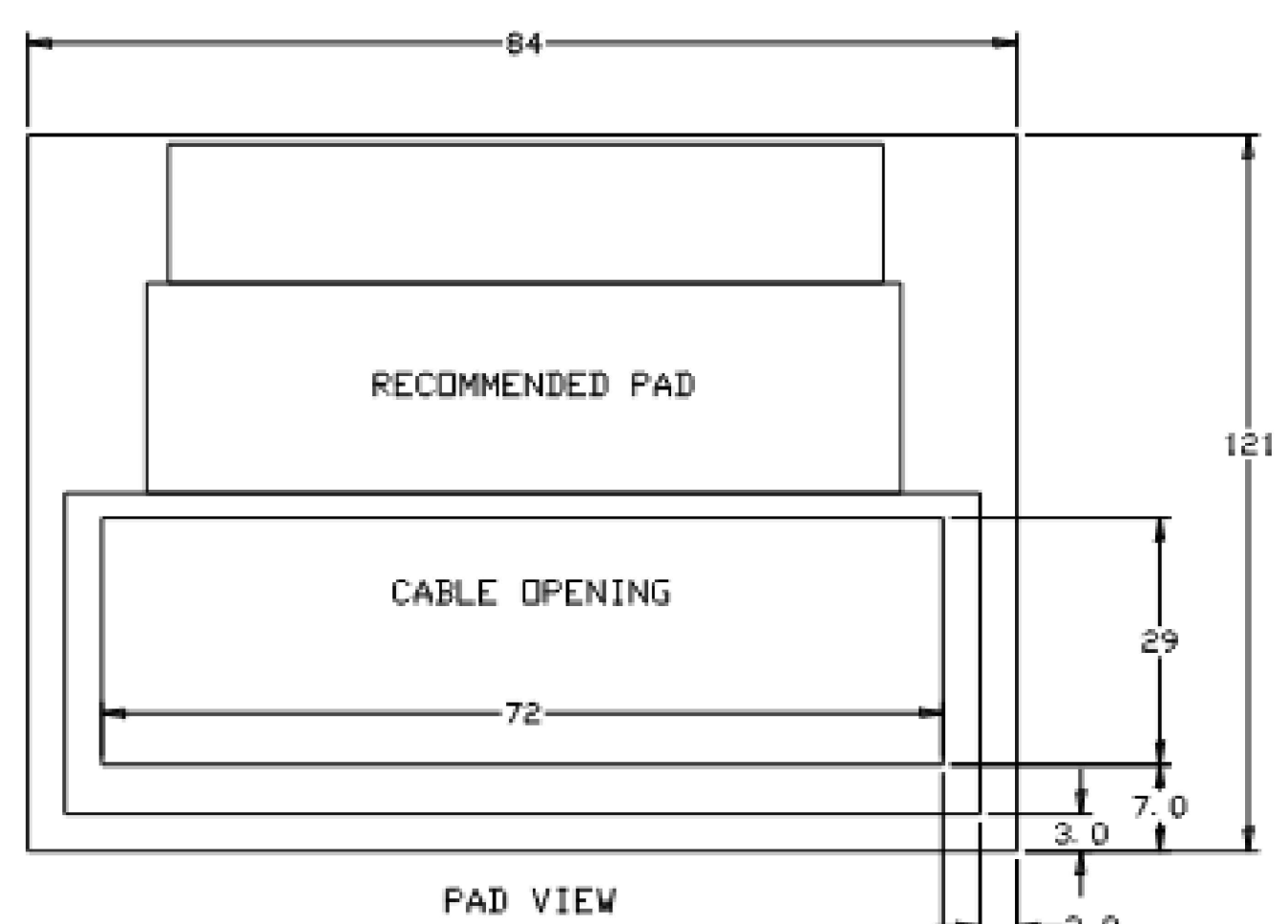
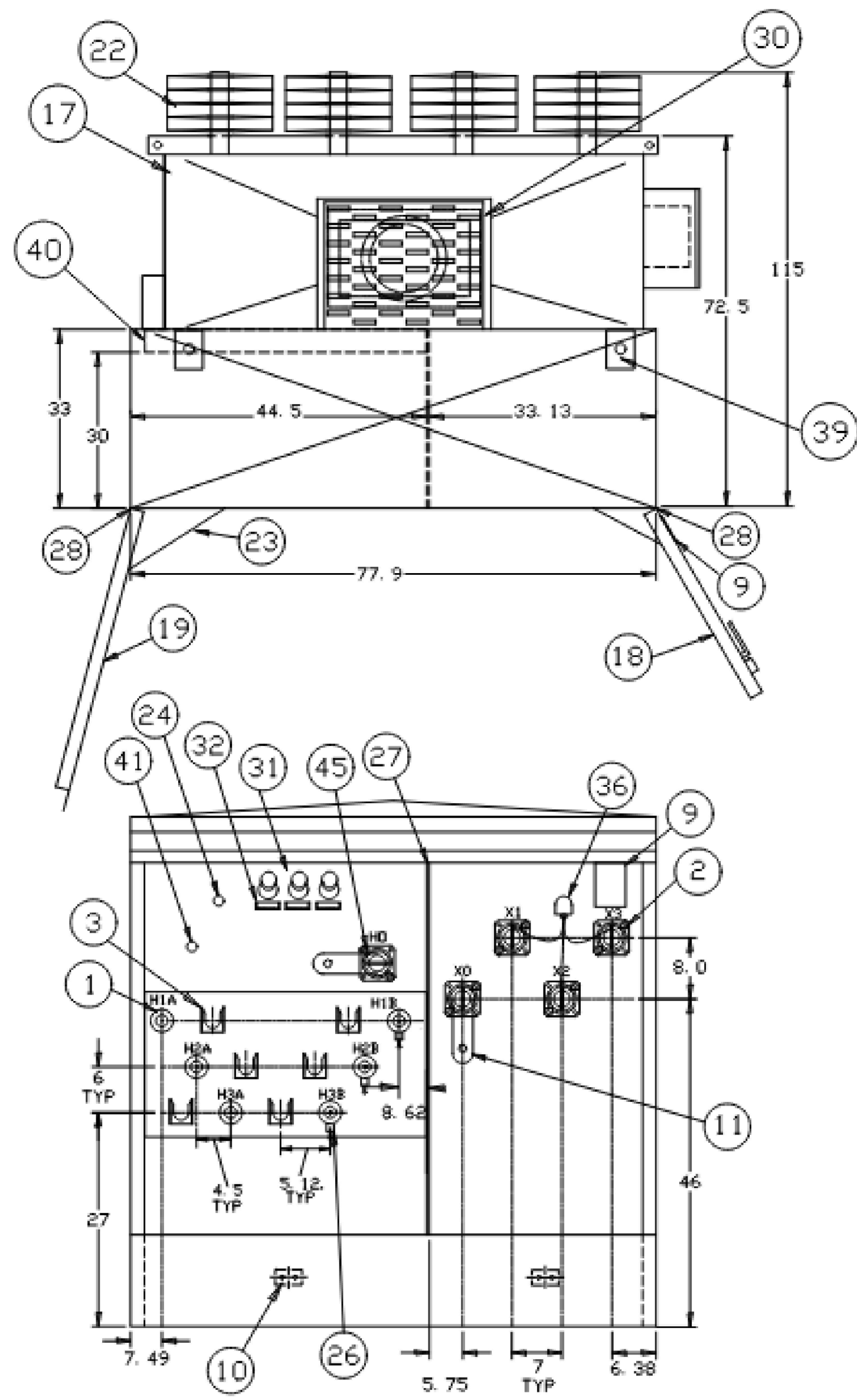
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DETAIL SHEET

SHEET NUMBER:

C-904

REVISION 4 - 8/01/2023



2000/2240 KVA
 12470GrdY/7200
 600Y/347

* PER IEEE, LV LEXAN/FIBERGLASS BARRIER REQUIRED, @ IS INCLUDED

THIS OUTLINE IS FOR ERECTION OR MOUNTING PURPOSES. IT IS NOT TO SCALE AND SHOULD NOT BE REGARDED AS INDICATING THE EXACT DETAILS OF CONSTRUCTION.

- 01 HIGH VOLTAGE BUSHING NON-LOADBREAK 600AMP 125KV BIL (EATON DB625B125)
- 02 LOW VOLTAGE INTEGRAL EPOXY BUSHING WITH 10 HOLE IEEE BRASS SPADE, SUPPORTED.
- 03 PARKING STAND
- 04 PRESSURE RELIEF VALVE (VIAT 302-060-01N)
- 05 LIQUID LEVEL GAUGE W/CONTACTS (2 SETS) VIAT
- 06 OIL TEMPERATURE GAUGE W/CONTACTS (2 SETS) QUALITROL
- 07 OIL FILL - 1"NPT
- 08 OIL DRAIN VALVE WITH SAMPLER IN PADLOCKABLE BOX
- 09 NAMEPLATES
- 10 2 HOLE SST. GROUND PADS
- 11 LV GROUND STRAP
- 12 LIFTING LUGS
- 13 PADLOCK FACILITY AND DOOR BOLT WITH PENTAHEAD BOLTS
- 14 LV DOOR HANDLE
- 15 REMOVEABLE FRONT LOWER SILL
- 16 BASE ARRANGEMENT FOR ROLLING IN 2 DIRECTIONS
- 17 TRANSFORMER TANK
- 18 LOW VOLTAGE COMPARTMENT DOOR
- 19 HIGH VOLTAGE COMPARTMENT DOOR
- 20 DOMED & RAISED AIR COMPARTMENT TOP
- 21 JACKING PROVISIONS
- 22 COOLING RADIATORS
- 23 DOOR HOLDING BARS IN 120° OPEN POSITION
- 24 TAPCHANGER 'B' TAPS +5%, +2.5%, -2.5%, -5%
- 25 200KV BIL 150 AMP SILVER PLATED (CAPT 099-04. 07. 315RFM-AH)
- 26 DISTRIBUTION CLASS ELBOW ARRESTER 10KV 8.4 MCOV 25CL 600AMP (SHIPPED DETAIL ON PALLET) (T&B K655ESA-10)
- 27 HIGH-LOW BARRIER
- 28 STAINLESS STEEL HINGES
- 29 ALL BUSHINGS ARE EXTERNALLY CLAMPED
- 30 14"X24" HANDHOLE
- 31 BAYONET FUSEHOLDER W/FLAPPER VALVE AG PLATED BAYONET FUSE HI-AMP 125A (EATON 4038361C05CB)
- 32 PLASTIC DRIPSHIELD
- 33 PADLOCK-ABLE GAUGE BOX
- 34 PRESSURE VACUUM GAUGE WITH SCHRADER VALVE (VIAT 131)
- 35 TERMINAL BLOCKS FOR CONTACT TERMINATION 2-18 TERMINAL
- 36 SECONDARY ARRESTER 400MCOV (EATON ASZH480C301)
- 37 LEXAN LOW VOLTAGE FRONT BARRIER
- 38 PARTIAL RANGE CURRENT LIMITING FUSES 8.3KV 150A HITECH 2X (HTSS232150)
- 39 HOLD-DOWN BRACKETS WITH HOLES.
- 40 3' HIGH VOLTAGE BUSHING BOX
- 41 2-POSITION LOAD-BREAK SWITCH (C.M. 703436-60)
- 42 GEM PRESSURE SWITCH FACTORY SET TO +7PSI
- 43 GEM VACUUM SWITCH FACTORY SET TO -5PSI
- 44 COVER MOUNTED PRD 10PSI
- 45 PORCELAIN 'HD' BUSHING WITH GROUND STRAP SHIPPED WITH NITROGEN BLANKET.

2000kVA 12470Y TRANSFORMER DETAILS

N.T.S.

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 Franklinville, Wisconsin. Such revolutionary products as distribution-class UltraSIL™ Polymer-Housed Evolution™ surge arresters and Envirotemp™ FR3™ fluid have been developed at our Franklinville 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 bio-based fluid meets Occupational Safety and Health Administration (OSHA) and Section 450.23 NEC Requirements.



Three-phase pad-mounted compartmental type transformer Catalog Data CA202003EN Effective April 2016

Table 2. Three-Phase Ratings
Three-Phase 50 or 60 Hz

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

Table 3. Impedance Voltage

Rating (kVA)	Low-voltage rating	2400 Δ through 4800 Δ	6900 Δ through 13800GV/7970 or 13800 Δ
45-75	2.75-5.75	2.75-5.75	2.75-5.75
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	6.00	6.50

Note: The standard tolerance is ±.75%

Table 4. Audible Sound Levels

Self-Cooled, Two Winding kVA Rating	NEMA™ TR-1 Average 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 Cycles	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)

Unit Rating (Temperature Rise Winding)	Standard	Optional
85 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

Catalog Data CA202003EN Three-phase pad-mounted compartmental type transformer Effective April 2016

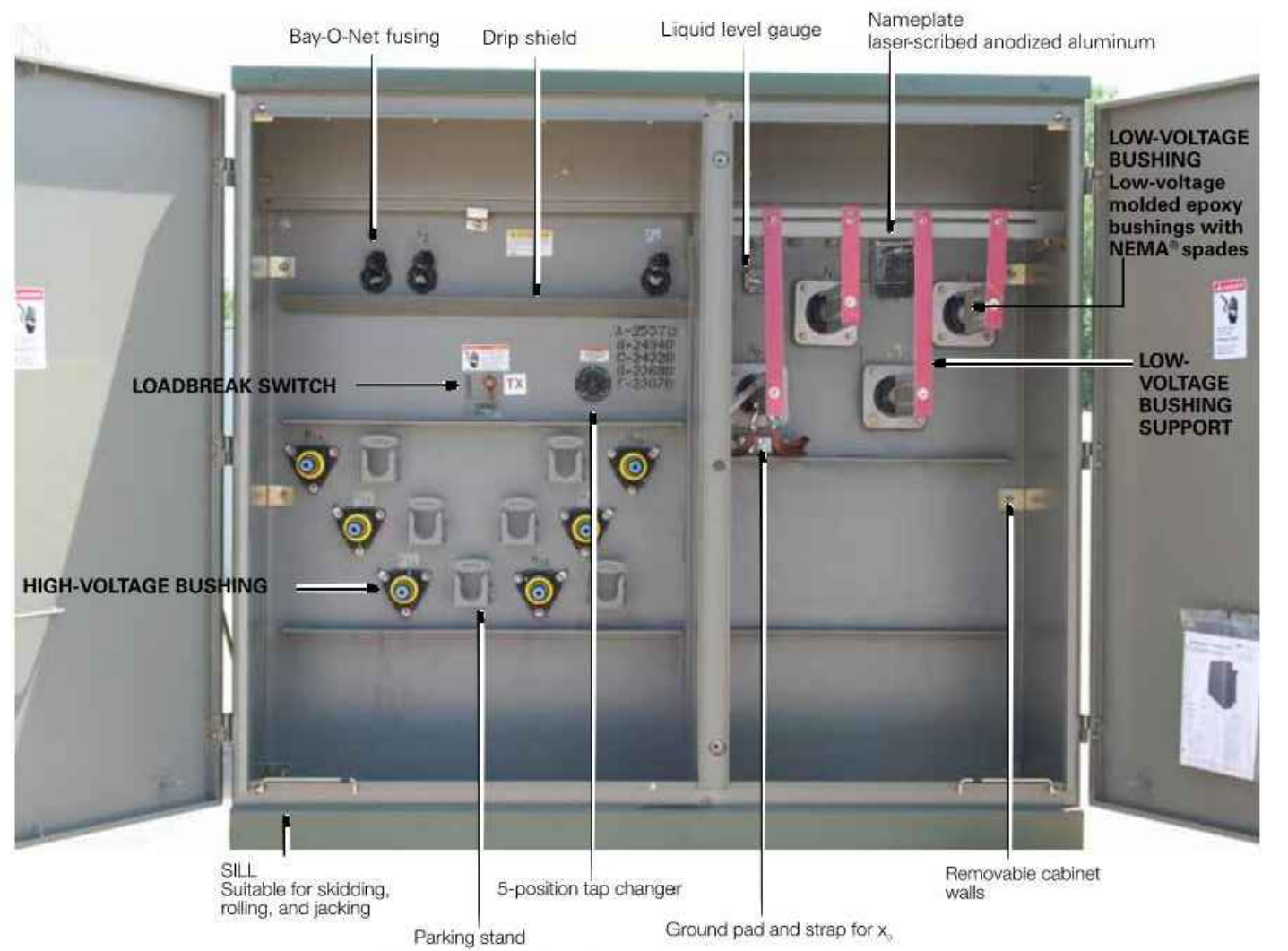


Figure 1. Three-phase pad-mounted compartmental type transformer.

Table 1. Product Scope

Type	Three Phase, 50 or 60 Hz, 85 C Rise
Fluid Type	Mineral oil or Envirotemp™ FR3™ fluid
Coil Configuration	2-winding or 4-winding or 3-winding (Low-Low-Low, 3-winding (Low-Low-High)
Size	45 - 10,000 kVA
Primary Voltage	2,400 - 48,000 V
Secondary Voltage	720V/720 V to 14,400 V
Specialty Designs	Inverter/Rectifier Bridge K-Factor (up to K-15) Vacuum Fault Interrupter (VFI) UL* Listed & Labeled and Classified Factory Mutual (FM) Approved** Solar/Wind Designs Differential Protection Seismic Applications (including OSHPO) Hardened Data Center

Catalog Data CA202003EN Three-phase pad-mounted compartmental type transformer Effective April 2016

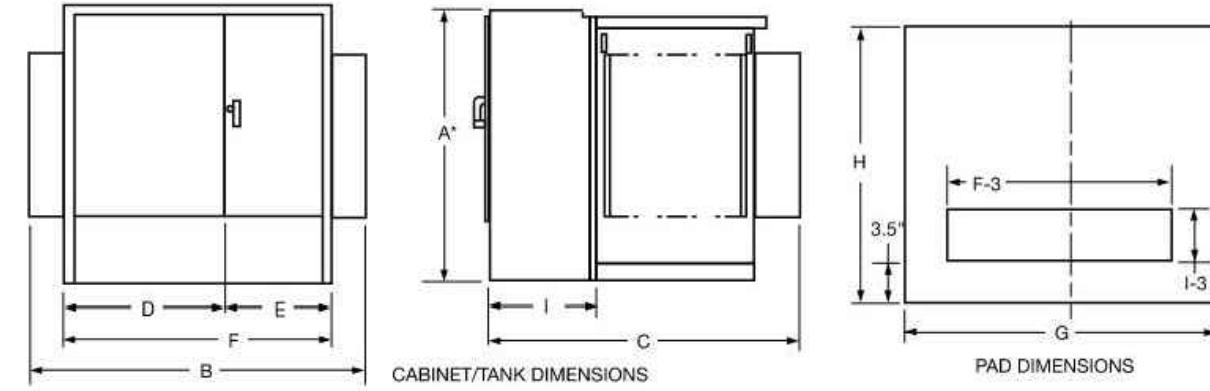


Figure 2. Transformer and pad dimensions.

Table 7. Fluid-filled - aluminum windings 55/65 °C Rise¹
65¹ Rise DEAD-FRONT-LOOP OR RADIAL FEED-BAY-O-NET FUSING OIL FILLED-ALUMINUM WINDINGS

kVA Rating	A*	B	C	D	E	F	G	H	I	Gallons of Fluid	Approx. Total 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	48	42	26	68	72	53	20	120	2,350
150	50	68	48	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	85	53	42	30	72	83	57	20	190	4,650
750	64	89	57	42	30	72	83	61	20	270	6,500
1000	64	89	59	42	30	72	83	63	20	320	8,200
1500	73	89	66	42	30	72	93	60	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	41,500

Table 8. Fluid-Filled - Copper Windings 55/65 °C Rise¹
65¹ Rise DEAD-FRONT-LOOP OR RADIAL FEED-BAY-O-NET FUSING OIL FILLED-COPPER WINDINGS

kVA Rating	A*	B	C	D	E	F	G	H	I	Gallons of Fluid	Approx. Total Weight (lbs.)
45	50	64	38	34	30	64	69	43	20	110	2,100
75	50	64	39	34	30	64	69	43	20	115	2,250
112.5	50	64	49	34	30	64	69	53	20	115	2,500
150	50	64	49	34	30	64	69	53	20	120	2,700
225	50	64	51	34	30	64	75	55	20	140	3,250
300	50	64	51	34	30	64	75	55	20	160	3,650
500	50	81	53	34	30	64	85	57	20	200	4,800
750	64	89	57	42	30	72	93	61	20	255	6,500
1000	64	89	59	42	30	72	93	63	20	300	7,800
1500	73	89	66	42	30	72	93	60	24	410	10,300
2000	73	72	87	42	30	72	76	91	24	420	11,600
2500	73	72	99	42	30	72	76	103	24	500	14,000
3000	73	84	99	46	37	84	88	103	24	720	18,700
3750	84	85	108	47	38	85	88	112	24	800	20,500
5000	84	96	108	48	48	96	100	112	24	950	25,000
7500	94	102	122	54	48	102	100	126	24	1,620	46,800

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

REVISIONS

REV	DATE	COMMENT	CHECKED BY
1	06/07/2023	PLANNING BOARD COMMENTS	OCR GD
2	07/10/2023	PLANNING BOARD COMMENTS	OCR GD
3	7/19/2023	PER SURVEY UPDATES	AP GD
4	8/01/2023	PARCEL AREA REFERENCES	AP GD

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FOR EXHIBIT PURPOSES ONLY

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PROJECT No.: W201257
DRAWN BY: EVD / CMC / OCR
CHECKED BY: GD
DATE: 04/13/2023
CAD I.D.: W201257-DET-4A

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
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REGISTERED PROFESSIONAL ENGINEER
No. 41530
MAINE LICENSE No. 22553

DETAIL SHEET

SHEET NUMBER:
C-905
REVISION 4 - 8/01/2023

THREE-PHASE PAD-MOUNTED COMPARTMENTAL TYPE TRANSFORMER

AstroTwins™

Enjoy the Energy of the Universe

400W~415W

P-type Monocrystalline PV Module

CHSM72M(DG)/F-BH Series (168.75)

CHSM72M(DG)/F-BH is bifacial module with white glazed glass

Tier 1
BLOCKBORG

No.1
PHOTON

DNY GL
TOP PERFORMER

12-year Warranty for Materials and Processing
30-year Warranty for Extra Linear Power Output
(1st year + 2.0%, 2nd~30th years +1.4%/year)

98.00%
84.95%

KEY FEATURES

- 5W OUTPUT POSITIVE TOLERANCE**
Guaranteed 0-5W positive tolerance ensures power output reliability.
- EXCELLENT WEATHER RESISTANCE**
Reduces the cell micro-crack and extended product warranty.
- BIFACIAL POWER**
The backside makes use of the reflected and scattered light from the surroundings, the modules can yield up to 5%-30% power more, depending on the albedo.
- REDUCE INTERNAL MISMATCH LOSS**
Reduces mismatch loss and improves output.
- APPLICABLE FOR MULTI DIFFERENT ENVIRONMENTS**
The wide range of applications, such as BIPV, vertical installation, snow area, high humidity area and strong sandstorm area, etc.
- SNAIL TRAIL RESISTANCE**
Reduces the probability of snail trails with zero water vapor transmittance.

CE, ENEC, IEC, NABCE, VDE, UL, TUV, PV, DNV, ISO, SAS

First solar company which passed the TÜV Nord IEC61215:2016 certification audit.

ASTROENERGY
A CHINT COMPANY

For Global Market

ELECTRICAL SPECIFICATIONS									
Testing Condition	400 Wp		405 Wp		410 Wp		415 Wp		
	Front	Back	Front	Back	Front	Back	Front	Back	
STC rated output (P _m Wp)	400	282	405	285	410	289	415	292	
Rated voltage (V _m V) at STC	40.67	40.98	40.89	41.10	41.10	41.31	41.31	41.52	
Rated current (I _m A) at STC	9.84	6.89	9.91	6.94	9.98	6.99	10.05	7.04	
Open circuit voltage (V _{oc} V) at STC	48.24	46.82	48.42	46.90	48.60	47.17	48.78	47.34	
Short circuit current (I _{sc} A) at STC	10.30	7.22	10.38	7.28	10.46	7.33	10.54	7.39	
Module efficiency	19.4%	13.7%	19.7%	13.9%	19.8%	14.0%	20.2%	14.2%	
Temperature coefficient (P _m)								-0.35%/°C	
Temperature coefficient (I _m)								+0.06%/°C	
Temperature coefficient (V _{oc})								-0.28%/°C	
Nominal module operating temperature (NMOT)								44±2°C	
Maximum system voltage (IEC616)								1500V _{DC}	
Number of diodes								3	
Junction box IP rating								IP 68	
Maximum series fuse rating								20A	

ELECTRICAL SPECIFICATIONS (integrated power)							
P _{max} gain	P _{max}	V _{mp}	I _{mp}	V _{oc}	I _{sc}		
5%	431 Wp	41.10 V	10.47 A	48.60 V	10.98 A		
10%	451 Wp	41.10 V	10.97 A	48.60 V	11.51 A		
15%	472 Wp	41.00 V	11.50 A	48.70 V	12.03 A		
20%	492 Wp	41.00 V	12.00 A	48.70 V	12.55 A		
25%	513 Wp	41.00 V	12.50 A	48.70 V	13.08 A		

MECHANICAL SPECIFICATIONS			
Outer dimensions (L x W x H)	2038 x 1010 x 30 mm		
Frame technology	Aluminum, silver anodized		
Glass thickness	2.0 mm		
Cable length (IEC616)	Portrait: 350 mm Landscape: 1200 mm		
Cable diameter (IEC616)	4 mm ² / 12 AWG		
Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)		
Connector type (IEC616)	MC4 compatible		

PACKING SPECIFICATIONS			
Weight (module only)	26.3 kg		
Packing unit	36 pcs / box		
Weight of packing unit (for 40° HQ container)	994 kg		
Number of modules per 40° HQ container	792 pcs		

MODULE DIMENSION DETAILS			
1. Mounting Hole	2. Mounting Hole	3. Mounting Hole	4. Mounting Hole
5. Mounting Hole	6. Mounting Hole	7. Mounting Hole	8. Mounting Hole

CONNECTPV

Simplifying Solar PV

1500V Disconnect Combiners

CONNECTPV Disconnect Combiner products are based on a core product architecture optimized for commercial and utility scale solar projects, simplifying design and specification. Options and accessories allow the designer to optimize the products for each project - reducing installation labor costs.

CONNECTPV products incorporate "best-in-class" components combined with rugged mechanical designs to maximize reliability over the projected life of the project.

Compatible with grounded systems - negatively or positively grounded with fuses on the ungrounded string input conductors, or ungrounded systems with fuses on both string input conductors.

Standard Product Features

- 250A, 320A, and 400A UL98B Certified Manual Disconnects
- Lock-Out/Tag-Out on Disconnect Handle
- 8-32 Fused Inputs, #14-#6 AWG Wire Range
- Touch Safe Fuse-holders
- 15A Fuse Typical, 30A Maximum - user specified
- M10 or M12 Studs provided for single or double hole lugs
- Accommodates 90C Cu/Al Mechanical or Compression Lugs
- Internal Safety Cover over all live components
- NEMA 3R, 4, and 4X Enclosures
- Padlock Latch for Door
- Unique Serial number per unit
- Labeling to meet NEC Requirements
- 5 Year Warranty

Product Options

- Class 2 40kA Surge Protective Device
- Mechanical Lugs installed or Compression Lugs Included
- Breather Vents for High Humidity Locations
- H4 or MC4 Bulkhead or Whip Connectors installed
- Upsized Enclosures for Larger Output Wires
- Mounting Brackets installed
- Extended Warranty









Contact Toll Free: (844)-246-6140 | www.connectpv.com | San Diego, CA
Local: (858) 246-6140 | sales@connectpv.com | CBX15 Rev. 3.0

CONNECTPV

Simplifying Solar PV

ConnectPV reduces electrical BOS project costs by simplifying:

Configuration

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

Installation

Field installers quickly install our products because they provide ample wiring room - Reducing installation time and labor cost

Regulation

AHJ Inspectors quickly review and approve our products because we have designed for 100% compliance with the NEC and UL Standards - Reducing project inspection and approval time

Operation

O&M Personnel reduce field service time because our products use high quality component and are designed for a 20 year life expectancy - Maximizing system revenue generation

Typical Input Characteristics				Grounded Systems		Floating 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	#14-#14	M10 Stud	24x24x8	24x24x8	24x30x8	24x30x8
20	250		M12 Stud	24x24x8	24x24x8	24x30x8	24x30x8
24	320	Copper	Stud	30x30x8	30x24x8	30x30x8	30x30x8*
28	400			30x30x8	36x30x8	36x36x8	36x36x8*
32	400			30x30x8	36x30x8	36x36x8	36x36x8*

* Part Stainless Steel NEMA 4X
Standard Disconnects sized at 1.25x Sum(Isc) per UL 1741.
Upsize Disconnect available at 1.56x Sum(Isc) for OCPD coordination.
High Ampacity input Versions available: e.g., 12 input, 400A with 30A fuses. Specifications Subject to Change.

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

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

Additional Options and Accessories Available | Stainless Steel 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.

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CAB1000/AC

Up to 1500 VDC
Utility-grade energy storage inverter
Scalable to 4 MW



Return on Investment

- 98% max efficiency
- Low shipping & installation cost
- Modular 1 MW blocks
- Monetizable dynamic performance

Easily Transportable

- Standard freight - low transportation cost
- Movable with pallet jack or standard forklift
- No crane required
- Separable building blocks

Modular / flexible configuration

- 1 MW blocks, up to 1500 VDC
- Configurable up to 4 MW
- Individual AC connections or combined throat
- Able to mix inverters & DC-DC in a single lineup

Simple O&M

- Easily maintainable
- Modular design with low component count
- Extended warranty available

Advanced Technology

- Parallel UPS functionality
- Fully parameterizable grid support
- Certified to standards UL1741 / IEC
- 2VRT / LVRT 4-quadrant high bandwidth control

The CAB1000 scalable platform was specifically developed to offer a straightforward and simple solution to developers of Utility-grade energy storage systems. In ~1MW blocks, the CAB1000 platform offers a single modular system which is tailored to Utility systems of all sizes. The scalable power conversion system also boasts high-performance controls and system redundancy.

With world-class power density and an easy to install design, your energy storage system will be commissioned quickly and easily. The energy storage PCS has never been more flexible or straightforward.

PRELIMINARY - EPC Power Corporation 70-100032 August 2019

PRELIMINARY - EPC Power Corporation 70-100032 August 2019

MODEL	CAB1000/AC-630		
LINUP QTY	1	3	4
AC	<p>AC port configuration: 3-wire (3PW)</p> <p>AC voltage range: 630 V RMS -10% / -12%</p> <p>AC export capacity (I) @ 25°C: 1250 kVA 1146 ARMS 5000 kVA 4584 ARMS</p> <p>AC export capacity @ 45°C: 1125 kVA 1031 ARMS 4500 kVA 4124 ARMS</p> <p>AC import capacity @ 25°C: 1004 kVA 920 ARMS 4016 kVA 3680 ARMS</p> <p>AC import capacity @ 45°C: 886 kVA 812 ARMS 3544 kVA 3248 ARMS</p> <p>Inverter type: 3-Level VSC</p> <p>Minimum grid SCCR (2): 2</p> <p>Nominal frequency range: 50 - 60 Hz (field settable)</p> <p>Harmonic distortion: UL1741 / IEEE 1547, <2% TDD per IEEE 519</p> <p>Power factor / reactive power: 0 leading - 0 lagging (Full 4-quadrant operation)</p> <p>Maximum aux. power consumption: 950 W 3800 W</p> <p>Efficiency: Max I CEC / Euro: 98.6% (est.) >98% (est.) >98% (est.)</p> <p>DC voltage range (3): 892 - 1500 VDC</p> <p>Typical Lithium battery voltage range: 1403 ADC 925 - 1350 VDC 502 ADC</p> <p>Maximum DC current: 1403 ADC 502 ADC</p> <p>Battery technology: all battery types, fuel cells, other DC sources, etc.</p> <p>Number of DC inputs: 1 4</p>		
Environmental	<p>Ambient temperature (operation): -20°C to 50°C</p> <p>Ambient temperature (storage): -20°C to 50°C</p> <p>Protection degree: NEMA 3R / IP54</p> <p>Relative humidity: 5% - 100% condensing</p> <p>Max elevation: 2,000 m (6,500 ft.)</p> <p>Airborne noise: <75 dBA @ 5m</p> <p>Temperature de-rating: automatic; see charts</p>		
Cabinet	<p>Maximum dimensions (H x W x D): mm (2275 x 1004 x 1200) in. (89.6 x 39.5 x 47.2) mm (2275 x 493 x 1200) in. (89.6 x 19.4 x 47.2)</p> <p>Weight (est.): 1043 kg (2300 lb.) (6) x 2300 lb.</p> <p>Mounting: Pad mount</p> <p>Cooling: Hybrid liquid / air</p> <p>Cooling fluid: 30% - 50% EWG or PWG</p> <p>Safety: UL 1741 C22.2 No. 107.1-16 IEC 61851-2 IEC 61851-1 IEC 61851-3 IEC 61851-4 IEC 61851-5 IEC 61851-6 IEC 61851-7 IEC 61851-8 IEC 61851-9 IEC 61851-10 IEC 61851-11 IEC 61851-12 IEC 61851-13 IEC 61851-14 IEC 61851-15 IEC 61851-16 IEC 61851-17 IEC 61851-18 IEC 61851-19 IEC 61851-20 IEC 61851-21 IEC 61851-22 IEC 61851-23 IEC 61851-24 IEC 61851-25 IEC 61851-26 IEC 61851-27 IEC 61851-28 IEC 61851-29 IEC 61851-30 IEC 61851-31 IEC 61851-32 IEC 61851-33 IEC 61851-34 IEC 61851-35 IEC 61851-36 IEC 61851-37 IEC 61851-38 IEC 61851-39 IEC 61851-40 IEC 61851-41 IEC 61851-42 IEC 61851-43 IEC 61851-44 IEC 61851-45 IEC 61851-46 IEC 61851-47 IEC 61851-48 IEC 61851-49 IEC 61851-50 IEC 61851-51 IEC 61851-52 IEC 61851-53 IEC 61851-54 IEC 61851-55 IEC 61851-56 IEC 61851-57 IEC 61851-58 IEC 61851-59 IEC 61851-60 IEC 61851-61 IEC 61851-62 IEC 61851-63 IEC 61851-64 IEC 61851-65 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Switches and
Disconnects
CA008004EN

Effective January 2016
Supersedes June 2015

COOPER POWER SERIES

M-Force™ three-phase switch



Description

Eaton's Cooper Power™ series M-Force™ switch is a distribution-class, gang-operated, factory-unionized three-phase overhead loadbreak switch. The M-Force switch is offered in distribution voltage classifications of 15 kV, 27 kV, and 38 kV. The M-Force switch may be used for line sectionalizing, paralleling, bypassing, or isolating. M-Force stands for "Magnetic Force". Eaton has the only reverse loop contacts found on distribution-class loadbreak switches; a contact usually reserved for higher priced transmission switches. The reverse loop contacts utilize high current magnetic forces for added reliability. 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.

Catalog Data CA008004EN
Effective January 2016

Basic concept

Current-carrying conductors that are parallel to each other and have current flowing in the same direction, attract each other due to the magnetic forces acting on them (See Figure 1A). Current-carrying conductors that are parallel to each other and have current flowing in the opposite direction, repel due to the magnetic forces acting on them (See Figure 1B).

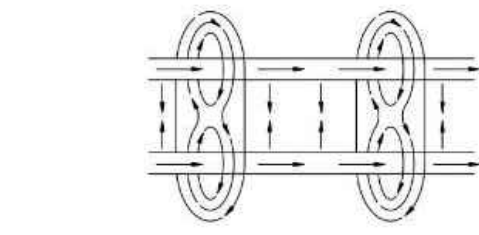


Figure 1A. Current flowing in same direction.

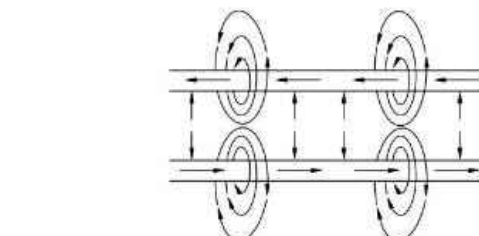


Figure 1B. Current flowing in opposite direction.

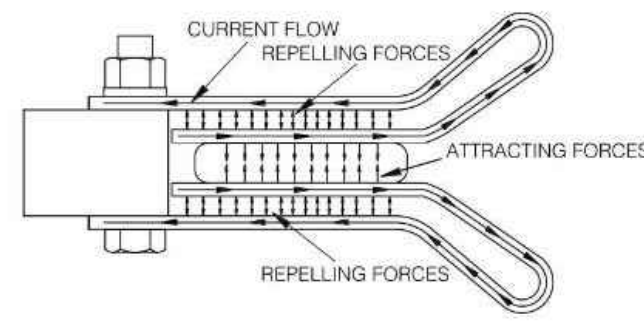


Figure 2. Magnetic forces acting on contacts.

2 www.eaton.com/cooperpowerseries

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 are originally designed for high voltage transmission switches also maintain extremely cool temperatures even under the rated full load. The maximum temperature rise allowed per IEEE Std 1247™-2005 standard for the blade and contact area is 65 °C. The maximum 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 38 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 oil-impregnated bushings that provide maintenance-free operation for the life of the switch.

Insulated Reliabreak™ 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™ 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

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 chipping is needed.

Catalog Data CA008004EN
Effective January 2016

M-Force three-phase switch

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

Table with columns for Voltage Class, Mounting Configuration, Control Rod and Mechanism, Crossarm Options, and Insulator Material. Includes details for M1, H1, I1, T, R, 2 configurations.

8 www.eaton.com/cooperpowerseries

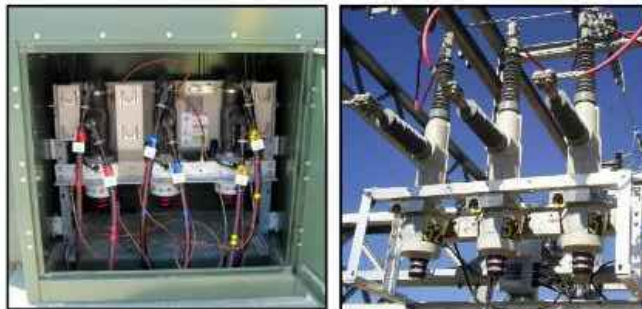


Powering Business Worldwide



Viper-5T

Solid-Dielectric, Independent Pole Option Recloser
Providing electronic overcurrent protection for single or three phase operation on systems rated through 38kV, 800A continuous current, 12.5kA or 16kA interrupting current



- Interrupting rating up to 16kA through 27kV
- Overhead, substation and dead-front padmount designs
- Operator safety with mechanical block and triple redundancy on trip handle
- Smart Grid/Lazer™ solutions
- Ease of installation with site-ready design
- Reliable performance
- Maintenance-free recloser
- High accuracy Accusense voltage sensors
- Up to six internal voltage sensors
- Works directly with SEL-651R, ABB RER620, Beckwith M-7679, and GE R650 controls
- RUS accepted

Catalog O-vst18

Typical Specifications

DESIGN RATINGS AND STANDARDS
Reclosers shall be designed, tested and built per IEEE C37.60 and IEC 62271-111 standards. Certified test reports shall be provided. The recloser shall be rated (select column):

Table with columns for Max System Voltage (kV) and rows for Rated Voltage (kV), Interrupting Rating RMS (kA), BIL (kV), Continuous Current (A), 8 Hr. Overload, Making Current, Peak, Short Circuit Current, 60Hz Withstand, and Operating Temperature.

* 29.3kV system voltages are available
** Consult factory for higher continuous current up to 1000A
** 12.5kA Interrupting Current rating available

Table with columns for Voltage Class and Catalog Number for 15.5kV, 27kV, and 38kV models.

*12-12.5kA sym. fault interrupting or 10-16kA asym. fault interrupting

Approximate weight (for single-phase module less frame) is 100lbs. (45kg)

G&W ELECTRIC | PAGE 10

Visit gwelc.com/specs.html for electronic versions of typical specifications.



Engineered to order. Built to last.

SEL-651R

Advanced Recloser Control

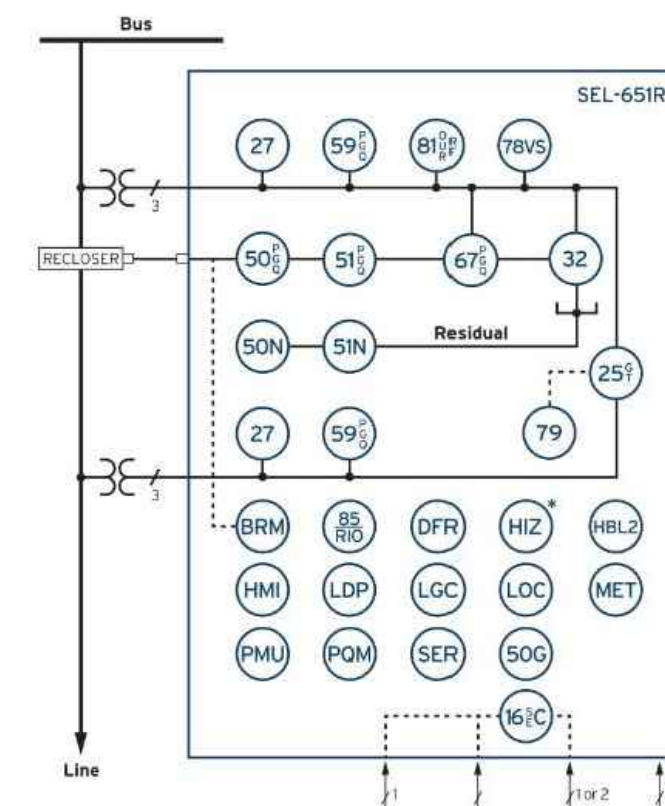


The industry's gold standard for recloser control

- 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™ 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.



Functional Overview



ANSI NUMBERS/ACRONYMS AND FUNCTIONS

Table listing ANSI numbers and functions: 16 SEC, 25 (G,T), 27, 32, 50G, 50N, 50, 51, 59, 67, 79, 79V, 81, 81RF, 81F, 85, 85R, 85, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

ADDITIONAL FUNCTIONS

Table listing additional functions: BRM, HBL2, LDP, LOC, PMU, SER.

*Optional feature. Copper or fiber-optic

Compatible With Popular Reclosers

The SEL-651R Advanced Recloser Control works with a wide range of reclosers for complete plug-and-work capability. All interfaces are designed and tested to exceed the IEEE C37.60 standard. Certificates are available at selinc.com/SEL-651R.

Table comparing G&W Control Power Viper-S, Other Reclosers, and RE models.

BOHLER logo and contact information for SITE CIVIL AND CONSULTING ENGINEERING, PROGRAM MANAGEMENT, LANDSCAPE ARCHITECTURE, SUSTAINABLE DESIGN, PERMITTING SERVICES, TRANSPORTATION SERVICES.

REVISIONS table with columns for REV, DATE, COMMENT, and DRAWN BY.

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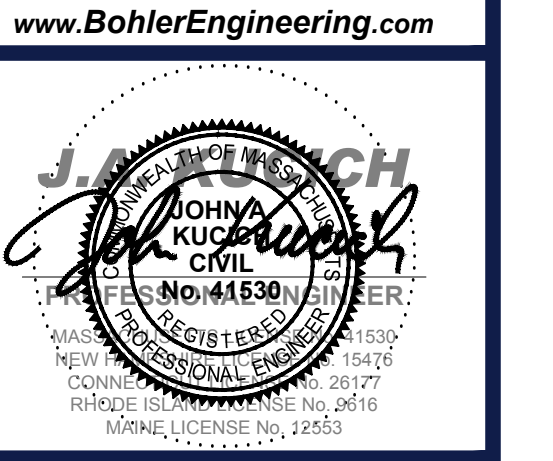
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Table with project details: PROJECT No., DRAWN BY, CHECKED BY, DATE, CAD ID.

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

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



DETAIL SHEET

C-907

REVISION 4 - 8/01/2023

N.T.S.



MAPLE STREET
1120' COUNTY LAYOUT
(PUBLIC - 50' WIDE)

P:\20\20137\CADD\DRAWINGS\EXHIBITS\VEHICLE CIRCULATION EXHIBIT\W201257-VEHE-0A-LAYOUT-FIRE TRUCK EXHIBIT



BOHLER
 SITE CIVIL AND CONSULTING ENGINEERING
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REVISIONS

REV	DATE	COMMENT	CHECKED BY	DRAWN BY
1	06/07/2023	PLANNING BOARD COMMENTS	OCR	GD
2	07/10/2023	PLANNING BOARD COMMENTS	GD	GD
3	7/19/2023	PER SURVEY UPDATES	AP	GD
4	8/01/2023	PARCEL AREA REFERENCES	AP	GD

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PROJECT No.: W201257
 DRAWN BY: EVD / CMC / OCR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD ID: W201257-VEHE-0A

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

BOHLER

352 TURNPIKE ROAD
 SOUTHBOROUGH, MA 01772
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SHEET TITLE:
FIRE TRUCK CIRCULATION PLAN

SHEET NUMBER:
1 of 1

REVISION 4 - 8/01/2023

