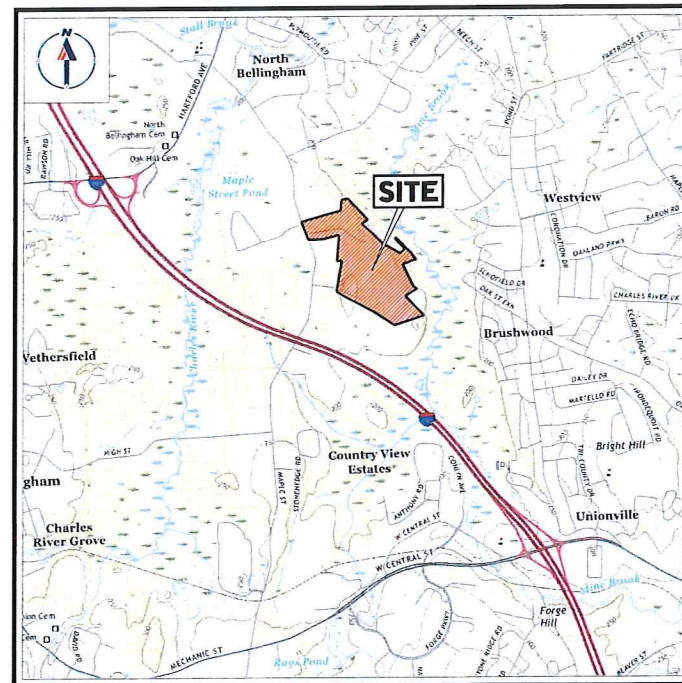


PROPOSED SITE PLAN DOCUMENTS

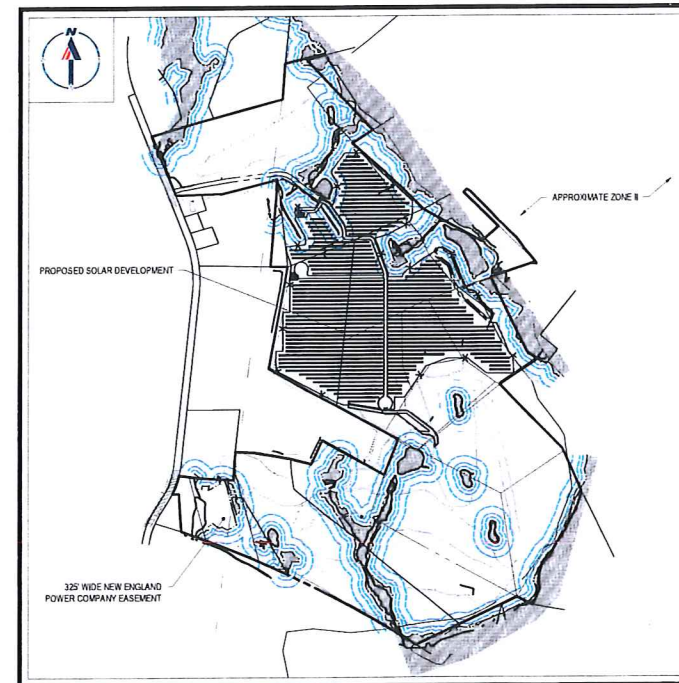
FOR
NEXTGRID MESCALBEAN LLC

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



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



SITE MAP
SCALE: 1" = 600'
SOURCE: GOOGLE AERIAL

PREPARED BY

REFERENCES

EXISTING CONDITIONS SURVEY:
FELDMAN GEOSPATIAL
152 HAMPDEN STREET, BOSTON, MA 01608
DATE: 05/08/2022

ASR SURVEY:
FELDMAN GEOSPATIAL
152 HAMPDEN STREET, BOSTON, MA 01608
DATE: 08/05/2022

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

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SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING
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SUSTAINABLE DESIGN
TRANSPORTATION SERVICES

REVISIONS

REV	DATE	COMMENT	DRAWN BY	CHECKED BY

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PROJECT No.: W201257
DRAWN BY: EVD/CMZ/JCR
CHECKED BY: GD
DATE: 04/13/2023
CAD LD.: W201257-SPD-0A

DRAWING SHEET INDEX

SHEET TITLE	SHEET NUMBER
COVER SHEET	C-101
GENERAL NOTES SHEET	C-102
OVERALL DEMOLITION PLAN	C-201
DEMOLITION PLAN (A-F)	C-202 - C-207
OVERALL SITE LAYOUT PLAN	C-301
SITE LAYOUT PLAN (A - F)	C-302 - C-307
OVERALL GRADING PLAN	C-401
GRADING PLAN (A - F)	C-402 - C-407
OVERALL EROSION & SEDIMENT CONTROL PLAN	C-601
EROSION & SEDIMENT CONTROL PLAN (A - F)	C-602 - C-607
EROSION & SEDIMENT CONTROL NOTES & DETAILS	C-608 - C-609
DETAIL SHEETS	C-901 - C-907
EXISTING CONDITIONS PLAN (BY FELDMAN GEOSPATIAL)	8 SHEETS

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 239-010 160 MAPLE STREET
TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

BOHLER
352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
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JOHN A. KUCSCH
CIVIL ENGINEER
PROFESSIONAL SEAL
MASS. REG. ENG. NO. 15130
NEW HAMPSHIRE REG. NO. 14176
CONNECTICUT REG. NO. 28177
RHODE ISLAND REG. NO. 26116
MAINE LICENSE NO. 12553

SHEET TITLE:
COVER SHEET
SHEET NUMBER:
C-101
ORG. DATE - 04/13/2023

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... 3. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION... 4. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION... 5. THE CONTRACTOR MUST ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH THESE PLANS... 6. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION... 7. CONTRACTOR MUST REFER TO AND ENSURE COMPLIANCE WITH THE APPROVED ARCHITECTURAL/STRUCTURAL... 8. THE CONTRACTOR MUST FULFILL ALL DIMENSIONS AND MEASUREMENTS SHOWN ON THESE PLANS... 9. PRIOR TO PROCEEDING WITH CONSTRUCTION... 10. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION... 11. THE OWNER AND CONTRACTOR MUST BE FAMILIAR WITH AND RESPONSIBLE FOR THE PROCUREMENT... 12. WHEN INCLUDED AS ONE OF THE REFERENCED DOCUMENTS... 13. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING WHEN AND WHERE SHORING IS REQUIRED... 14. THE CONTRACTOR MUST EXERCISE EXTREME CAUTION WHEN PERFORMING ANY WORK ACTIVITIES... 15. DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE... 16. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN RECORDS... 17. THE CONTRACTOR MUST REPAIR AT CONTRACTOR'S SOLE COST... 18. THE ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR AND HAVE NO CONTRACTUAL... 19. THE CONTRACTOR MUST IMMEDIATELY NOTIFY IN WRITING... 20. THE CONTRACTOR MUST MAINTAIN RECORDS... 21. CONTRACTOR SHALL CARRY AT LEAST THE MINIMUM AMOUNT OF THE SPECIFIED AND COMMERCIAL... 22. NEITHER THE PROFESSIONAL ACTIVITIES OF BOHLER NOR THE PRESENCE OF BOHLER AND/OR ITS PART... 23. THE CONTRACTOR DEVIATES FROM THESE PLANS AND/OR SPECIFICATIONS... 24. WHEN IT IS CLEARLY AND SPECIFICALLY WITH BOHLER'S SCOPE OF SERVICES... 25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCURRED... 26. THE CONTRACTOR IS RESPONSIBLE FOR A MAINTAINING AND PROTECTING THE TRAFFIC CONTROL PLAN... 27. OWNER MUST MAINTAIN AND PRESERVE ALL PHYSICAL SITE FEATURES... 28. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION ACTIVITIES... 29. THE CONTRACTOR MUST STRICTLY COMPLY WITH THE LATEST AND CURRENT OSHA STANDARDS... 30. THE CONTRACTOR AND THE OWNER MUST INSTALL ALL ELEMENTS AND COMPONENTS... 31. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN AN ON-SITE STORMWATER POLLUTION PREVENTION PLAN... 32. AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED DOCUMENTS... 33. THE CONTRACTOR IS CAUTIONED OF EXISTING UTILITY SERVICES TO REMAIN IN PROXIMITY TO PROPOSED BOLLARDS...

GENERAL DEMOLITION NOTES

- 1. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE... 2. THE CONTRACTOR MUST CONDUCT DEMOLITION/RENOVATION ACTIVITIES IN SUCH A MANNER... 3. WHEN DEMOLITION-RELATED ACTIVITIES IMPACT ROADWAY'S AND/OR ADJACENT RIGHT-OF-WAY... 4. THE DEMOLITION (AND/OR RENOVATION) PLAN IS INTENDED TO PROVIDE GENERAL INFORMATION... 5. THE CONTRACTOR MUST ALSO REVIEW ALL CONSTRUCTION DOCUMENTS AND INCLUDE WITHIN THE DEMOLITION... 6. THE CONTRACTOR MUST PROVIDE ALL METHODS AND MEANS TO PREVENT MOVEMENT... 7. ENGINEER OF RECORD AND BOHLER ARE NOT RESPONSIBLE FOR JOB SITE SAFETY... 8. THE CONTRACTOR IS RESPONSIBLE FOR JOB SITE SAFETY WHICH INCLUDES BUT IS NOT LIMITED... 9. PRIOR TO THE COMMENCEMENT OF ANY SITE ACTIVITY... 10. THE CONTRACTOR MUST BECOME FAMILIAR WITH THE APPLICABLE UTILITY SERVICE PROVIDER... 11. PRIOR TO COMMENCING ANY DEMOLITION... 12. INSTALL A REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES... 13. IN ADVANCE OF CONSTRUCTION... 14. IN ADVANCE OF CONSTRUCTION... 15. LOCATE AND PROTECT ALL UTILITIES AND SERVICES... 16. PROTECT AND MAINTAIN OPERATIONAL AND SAFETY SYSTEMS... 17. ARRANGE FOR AND COORDINATE WITH THE APPLICABLE UTILITY SERVICE PROVIDERS... 18. PROTECT AND MAINTAIN OPERATIONAL AND SAFETY SYSTEMS... 19. ARRANGE FOR AND COORDINATE WITH THE APPLICABLE UTILITY SERVICE PROVIDERS... 20. THE CONTRACTOR MUST NOT BE USED WITHOUT PRIOR WRITTEN CONSENT... 21. DEMOLITION ACTIVITIES AND EQUIPMENT MUST NOT USE OR INCLUDE AREAS... 22. THE CONTRACTOR MUST BACKFILL ALL EXCAVATION RESULTING FROM OR INCIDENTAL TO... 23. EMPLOYEES MUST NOT BE USED WITHOUT PRIOR WRITTEN CONSENT... 24. THE CONTRACTOR MUST LOCATE AND CLEARLY DEFINE VERTICALLY AND HORIZONTALLY... 25. CONTRACTOR SHALL FIELD LOCATE EXISTING UTILITIES... 26. CONTRACTOR SHALL INSPECT ALL EXISTING UTILITY STRUCTURES... 27. CONTRACTOR SHALL REMOVE ANY BUILDING FOUNDATION REMAINS... 28. THE CONTRACTOR SHALL REVIEW THE PLANS VERSUS THE LOCATION OF EXISTING STRUCTURES... 29. THE CONTRACTOR SHALL MAINTAIN ADJUST AND ABANDON EXISTING MONITORING WELLS... 30. WHERE THE LIMIT OF WORK COINCIDES WITH PROPERTY LINE... 31. EXISTING TREES TO REMAIN ARE TO BE PROTECTED... 32. EXISTING TREES TO BE REMOVED ARE TO BE PROTECTED... 33. CONTRACTOR SHALL REPAIR/REPLACE ANY TRAFFIC LOOP DETECTORS... 34. THE CONTRACTOR MUST FIELD VERIFY THE LOCATIONS WHERE PROPOSED UTILITIES... 35. CONTRACTOR SHALL LOCATE ANY EXISTING UTILITY SERVICES... 36. ALL CONCRETE MUST BE ENR ENTRAINED AND INCLUDE THE MINIMUM COMPRESSIVE STRENGTH... 37. THE CONTRACTOR MUST FIELD VERIFY THE LOCATIONS WHERE PROPOSED UTILITIES... 38. CONTRACTOR SHALL REPAIR OR REPLACE AT THE CONTRACTOR'S SOLE COST... 39. THE CONTRACTOR SHALL REVIEW THE RIGHT-OF-WAY... 40. WHEN RETAINING WALLS ARE IDENTIFIED ON THE PLANS... 41. ALL DIMENSIONS SHOWN ARE TO BOTTOM FACE OF CURB... 42. WHEN APPLICABLE, OWNER OPERATOR MUST FILE THE ICD FOR IMPACT PERMITS... 43. ALL CONCRETE MUST BE ENR ENTRAINED AND INCLUDE THE MINIMUM COMPRESSIVE STRENGTH... 44. THE CONTRACTOR MUST FIELD VERIFY THE LOCATIONS WHERE PROPOSED UTILITIES... 45. CONTRACTOR MUST REPAIR OR REPLACE AT THE CONTRACTOR'S SOLE COST... 46. THE CONTRACTOR SHALL REVIEW THE RIGHT-OF-WAY... 47. WHEN RETAINING WALLS ARE IDENTIFIED ON THE PLANS... 48. ALL DIMENSIONS SHOWN ARE TO BOTTOM FACE OF CURB... 49. WHEN APPLICABLE, OWNER OPERATOR MUST FILE THE ICD FOR IMPACT PERMITS... 50. CONTRACTOR IS CAUTIONED OF EXISTING UTILITY SERVICES TO REMAIN IN PROXIMITY TO PROPOSED BOLLARDS...

GENERAL GRADING NOTES

- 1. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE... 2. SITE GRADING MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS... 3. THE CONTRACTOR IS REQUIRED TO SECURE ALL NECESSARY AND/OR REQUIRED PERMITS... 4. THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFYING EXISTING TOPOGRAPHIC INFORMATION... 5. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING ALL UNSUITABLE MATERIALS... 6. THE CONTRACTOR IS RESPONSIBLE TO IMPORT FILL OR EXPORT EXCESS MATERIAL... 7. EXCAVATED TOP OF CURB ELEVATIONS ARE GENERALLY 1' ABOVE PAVEMENT GRADE... 8. THE CONTRACTOR MUST CONFIRM AND INSURE THAT AS CONSTRUCTED... 9. WHEN RETAINING WALLS ARE IDENTIFIED ON THE PLANS... 10. THE FACE OF THE TOP AND BOTTOM OF THE WALL AND DO NOT REPRESENT THE ELEVATION... 11. THE CONTRACTOR SHALL INSTALL CONCRETE CURB ALONG FACE OF BUILDING... 12. STORMWATER RUNOFF WITHIN PROPERTY MUST BE COLLECTED... 13. BEFORE COMMENCING GRADING WORK... 14. BEFORE GENERAL NOTES SHEET FOR ADDITIONAL ADA GUIDELINES... 15. FOR ALL RETAINING WALLS STRUCTURE IS 4' OR GREATER... 16. THE CONTRACTOR SHALL INSTALL CONCRETE CURB ALONG FACE OF BUILDING... 17. CONTRACTOR SHALL VERIFY RETAINING WALL LOCATIONS... 18. CONTRACTOR SHALL COORDINATE WITH OWNER/OPERATOR... 19. BEFORE COMMENCING GRADING WORK... 20. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SITE PLAN DOCUMENTS... 21. THE CONTRACTOR MUST COORDINATE INSTALLATION OF UTILITY SERVICES... 22. ALL FILL, BACKFILL AND BACKLAP MATERIALS... 23. DURING THE INSTALLATION OF SANITARY, STORM AND ALL UTILITIES... 24. THE CONTRACTOR MUST ENSURE THAT ALL UTILITY TRENCHES... 25. FILL LOCATIONS OF PROPOSED UTILITY POLES... 26. WATER SERVICE MATERIALS BURIAL DEPTH... 27. THE TOPS OF EXISTING MANHOLES, PAINT STRUCTURES... 28. ALL WORK ASSOCIATED WITH UTILITY POLES... 29. SEVERE CONFINING SANITARY FLOW OR DRINKING WATER... 30. UNLESS CLEARLY INDICATED OTHERWISE... 31. UNLESS CLEARLY INDICATED OTHERWISE... 32. UNLESS CLEARLY INDICATED OTHERWISE... 33. UNLESS CLEARLY INDICATED OTHERWISE... 34. UNLESS CLEARLY INDICATED OTHERWISE... 35. UNLESS CLEARLY INDICATED OTHERWISE... 36. UNLESS CLEARLY INDICATED OTHERWISE... 37. UNLESS CLEARLY INDICATED OTHERWISE... 38. UNLESS CLEARLY INDICATED OTHERWISE... 39. UNLESS CLEARLY INDICATED OTHERWISE... 40. UNLESS CLEARLY INDICATED OTHERWISE... 41. UNLESS CLEARLY INDICATED OTHERWISE... 42. UNLESS CLEARLY INDICATED OTHERWISE... 43. UNLESS CLEARLY INDICATED OTHERWISE... 44. UNLESS CLEARLY INDICATED OTHERWISE... 45. UNLESS CLEARLY INDICATED OTHERWISE... 46. UNLESS CLEARLY INDICATED OTHERWISE... 47. UNLESS CLEARLY INDICATED OTHERWISE... 48. UNLESS CLEARLY INDICATED OTHERWISE... 49. UNLESS CLEARLY INDICATED OTHERWISE... 50. UNLESS CLEARLY INDICATED OTHERWISE...

ABBREVIATIONS

Table with 2 columns: KEY, DESCRIPTION. Lists various abbreviations used in the drawings, such as ARCH, B/C, BC, BM, etc.

TYPICAL LINE TYPE LEGEND

Table showing typical line types for various features: PROPERTY LINE, ADJACENT PROPERTY LINE, RIGHT-OF-WAY LINE, SETBACK OR BUFFER, EASEMENT LINE, WETLAND BOUNDARY, WETLAND BUFFER, WATER WAY BOUNDARY, WATERWAY BUFFER, WETLAND OR WATERWAY FILL, RIGHT-OF-WAY CENTER OR BASE LINE, APPROX. LIMIT OF WORK OR DISTURBANCE, APPROX. SAWCUT LINE, TREE LINE, SURFACE OR SUBSURFACE BASIN, OVER-HEAD WIRES, CURBING, FENCE OR RAILING, RETAINING WALL, CONTOURS, SWALE, BERM, DRAIN, RIDGE, ROOF PIPE, SEWER PIPE, SEWER FORCE MAIN, ELECTRIC, TELECOMMUNICATION S, CABLE TV, GAS, WATER.

REVISIONS

Table with 3 columns: REV, DATE, COMMENT. Lists revision history for the drawing.

810 logo and contact information for Böhler Engineering, Inc.

GENERAL DRAINAGE & UTILITY NOTES

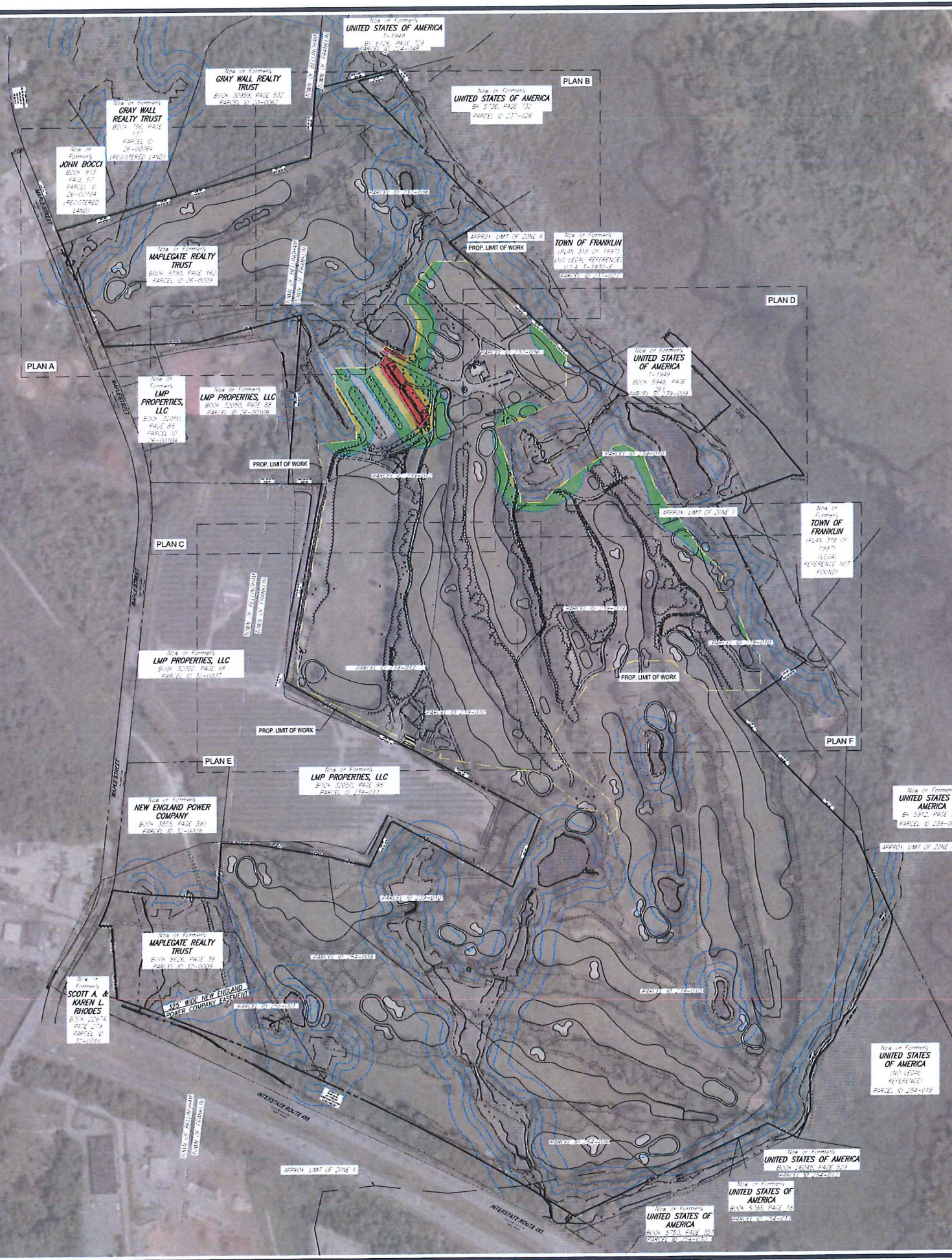
- 1. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE... 2. LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES... 3. THE CONTRACTOR MUST VERTICALLY AND HORIZONTALLY LOCATE ALL UTILITIES... 4. THE CONTRACTOR MUST FIELD VERIFY THE PROPOSED INTERFACE POINTS... 5. STORMWATER ROOF DRAIN LOCATIONS ARE BASED ON ARCHITECTURAL PLANS... 6. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SITE PLAN DOCUMENTS... 7. ALL FILL, BACKFILL AND BACKLAP MATERIALS... 8. DURING THE INSTALLATION OF SANITARY, STORM AND ALL UTILITIES... 9. THE CONTRACTOR MUST ENSURE THAT ALL UTILITY TRENCHES... 10. FILL LOCATIONS OF PROPOSED UTILITY POLES... 11. WATER SERVICE MATERIALS BURIAL DEPTH... 12. THE TOPS OF EXISTING MANHOLES, PAINT STRUCTURES... 13. ALL WORK ASSOCIATED WITH UTILITY POLES... 14. SEVERE CONFINING SANITARY FLOW OR DRINKING WATER... 15. UNLESS CLEARLY INDICATED OTHERWISE... 16. UNLESS CLEARLY INDICATED OTHERWISE... 17. UNLESS CLEARLY INDICATED OTHERWISE... 18. UNLESS CLEARLY INDICATED OTHERWISE... 19. UNLESS CLEARLY INDICATED OTHERWISE... 20. UNLESS CLEARLY INDICATED OTHERWISE... 21. UNLESS CLEARLY INDICATED OTHERWISE... 22. UNLESS CLEARLY INDICATED OTHERWISE... 23. UNLESS CLEARLY INDICATED OTHERWISE... 24. UNLESS CLEARLY INDICATED OTHERWISE... 25. UNLESS CLEARLY INDICATED OTHERWISE... 26. UNLESS CLEARLY INDICATED OTHERWISE... 27. UNLESS CLEARLY INDICATED OTHERWISE... 28. UNLESS CLEARLY INDICATED OTHERWISE... 29. UNLESS CLEARLY INDICATED OTHERWISE... 30. UNLESS CLEARLY INDICATED OTHERWISE... 31. UNLESS CLEARLY INDICATED OTHERWISE... 32. UNLESS CLEARLY INDICATED OTHERWISE... 33. UNLESS CLEARLY INDICATED OTHERWISE... 34. UNLESS CLEARLY INDICATED OTHERWISE... 35. UNLESS CLEARLY INDICATED OTHERWISE... 36. UNLESS CLEARLY INDICATED OTHERWISE... 37. UNLESS CLEARLY INDICATED OTHERWISE... 38. UNLESS CLEARLY INDICATED OTHERWISE... 39. UNLESS CLEARLY INDICATED OTHERWISE... 40. UNLESS CLEARLY INDICATED OTHERWISE... 41. UNLESS CLEARLY INDICATED OTHERWISE... 42. UNLESS CLEARLY INDICATED OTHERWISE... 43. UNLESS CLEARLY INDICATED OTHERWISE... 44. UNLESS CLEARLY INDICATED OTHERWISE... 45. UNLESS CLEARLY INDICATED OTHERWISE... 46. UNLESS CLEARLY INDICATED OTHERWISE... 47. UNLESS CLEARLY INDICATED OTHERWISE... 48. UNLESS CLEARLY INDICATED OTHERWISE... 49. UNLESS CLEARLY INDICATED OTHERWISE... 50. UNLESS CLEARLY INDICATED OTHERWISE...

GENERAL SITE NOTES

- 1. THE GENERAL NOTES MUST BE INCLUDED AS PART OF THIS ENTIRE DOCUMENT PACKAGE... 2. PRIOR TO THE COMMENCEMENT OF GENERAL CONSTRUCTION... 3. THE LOCATIONS OF PROPOSED UTILITY POLES AND TRAFFIC SIGNS... 4. ALL DIMENSIONS SHOWN ARE TO BOTTOM FACE OF CURB... 5. WHEN APPLICABLE, OWNER OPERATOR MUST FILE THE ICD FOR IMPACT PERMITS... 6. ALL CONCRETE MUST BE ENR ENTRAINED AND INCLUDE THE MINIMUM COMPRESSIVE STRENGTH... 7. THE CONTRACTOR MUST FIELD VERIFY THE LOCATIONS WHERE PROPOSED UTILITIES... 8. CONTRACTOR SHALL REPAIR OR REPLACE AT THE CONTRACTOR'S SOLE COST... 9. THE CONTRACTOR SHALL REVIEW THE RIGHT-OF-WAY... 10. WHEN RETAINING WALLS ARE IDENTIFIED ON THE PLANS... 11. ALL DIMENSIONS SHOWN ARE TO BOTTOM FACE OF CURB... 12. WHEN APPLICABLE, OWNER OPERATOR MUST FILE THE ICD FOR IMPACT PERMITS... 13. CONTRACTOR IS CAUTIONED OF EXISTING UTILITY SERVICES TO REMAIN IN PROXIMITY TO PROPOSED BOLLARDS...

REFER TO SITE LAYOUT PLAN FOR ZONING ANALYSIS TABLE AND LAND USE | ZONING INFORMATION & NOTES. GENERAL NOTES SHEET C-102. SHEET TITLE: REFERENCE TO SITE LAYOUT PLAN FOR ZONING ANALYSIS TABLE AND LAND USE | ZONING INFORMATION & NOTES. REFERENCE TO EROSION AND SEDIMENT CONTROL NOTES & DETAILS SHEET FOR TYPICAL EROSION NOTES AND DETAILS. ORG. DATE - 04/13/2023

PROPOSED SITE PLAN DOCUMENTS FOR NEXTGRID MESCALBOND LLC. PROJECT: SOUTHBRIDGE, MA 01772. BOHLER ENGINEERING, INC. 352 TURNPIKE ROAD, SOUTHBRIDGE, MA 01772. PHONE: (508) 460-9900. www.BohlerEngineering.com. ISSUED FOR MUNICIPAL & AGENCY REVIEW & APPROVAL.



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PROJECT No.: W201257
 DRAWN BY: EVD / CMC / OCR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD I.D.: W201257-DEM0-0A

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 239-010160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

BOHLER

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

www.BohlerEngineering.com

J. J. KUCSCH
 JOHN J. KUCSCH
 CIVIL ENGINEER
 PROFESSIONAL SEAL

MASSACHUSETTS REGISTERED PROFESSIONAL ENGINEER
 NEW ENGLAND STATE NO. 15476
 CONN. REG. NO. 26177
 R.I. REG. NO. 14816
 MAINE LICENSE NO. 12553

SHEET TITLE:

OVERALL INDEX PLAN

SHEET NUMBER:

C-201

ORG. DATE - 04/13/2023

TOTAL BUFFER DISTURBANCE CHART

AREA	HATCH	DESCRIPTION
140,004 sq ft		50'-100' BUFFER DISTURBANCE
28,320 sq ft		25'-50' BUFFER DISTURBANCE
15,100 sq ft		0'-25' BUFFER DISTURBANCE

REFER TO GENERAL NOTES SHEET FOR DEMOLITION NOTES

THIS PLAN TO BE UTILIZED FOR DEMOLITION/ REMOVAL PURPOSES ONLY

TBR. = TO BE REMOVED

1"=200'

PROJECT: 239-010-0160 MAPLE STREET, SOUTHBOROUGH, MA 01772
 DATE: 04/13/2023
 DRAWN BY: EVD / CMC / OCR
 CHECKED BY: GD
 PROJECT NO.: W201257-DEM0-0A



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PROJECT No.: W201257
 DRAWN BY: EVD / CMC / OCR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD ID.: W201257-02-DWG-04

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 239-010160 MAPLE STREET,
 TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

BOHLER

352 TURNPIKE ROAD
 SOUTHBOROUGH, MA 01772
 Phone: (508) 480-9900
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J. A. KUCICH
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 PROFESSIONAL SEAL
 MASSACHUSETTS LICENSE NO. 15476
 CONNECUT LICENSE NO. 26177
 RHODE ISLAND LICENSE NO. 8616
 MAINE LICENSE NO. 12553

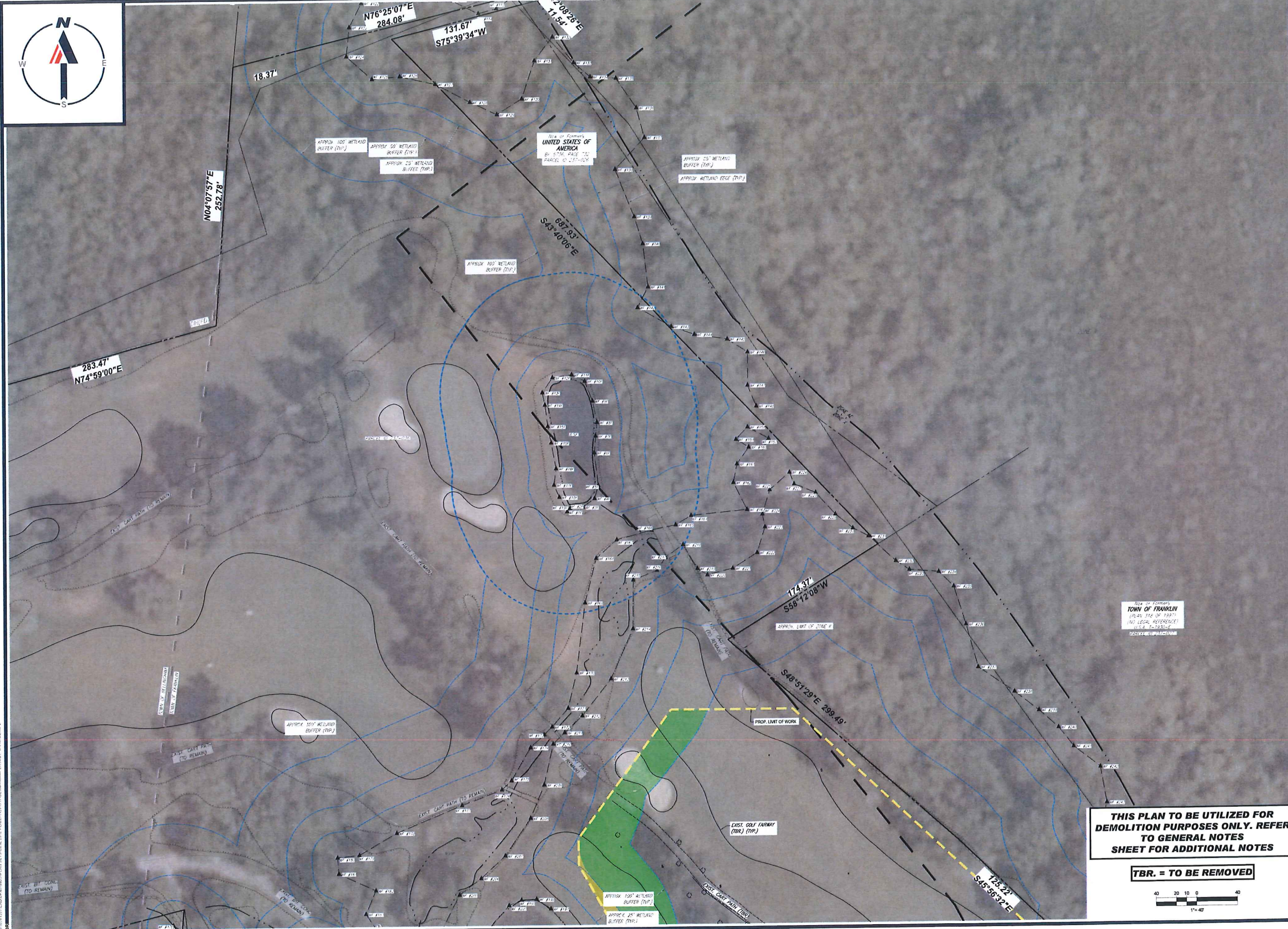
THIS PLAN TO BE UTILIZED FOR DEMOLITION PURPOSES ONLY. REFER TO GENERAL NOTES SHEET FOR ADDITIONAL NOTES

TBR. = TO BE REMOVED

SHEET TITLE:
DEMOLITION PLAN A

SHEET NUMBER:
C-202

ORG. DATE - 04/13/2023



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

TBR. = TO BE REMOVED



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PROJECT No.: W201257
 DRAWN BY: EVO/CMC/OGR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD LD.: W201257-DEM-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 239-010/160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

BOHLER

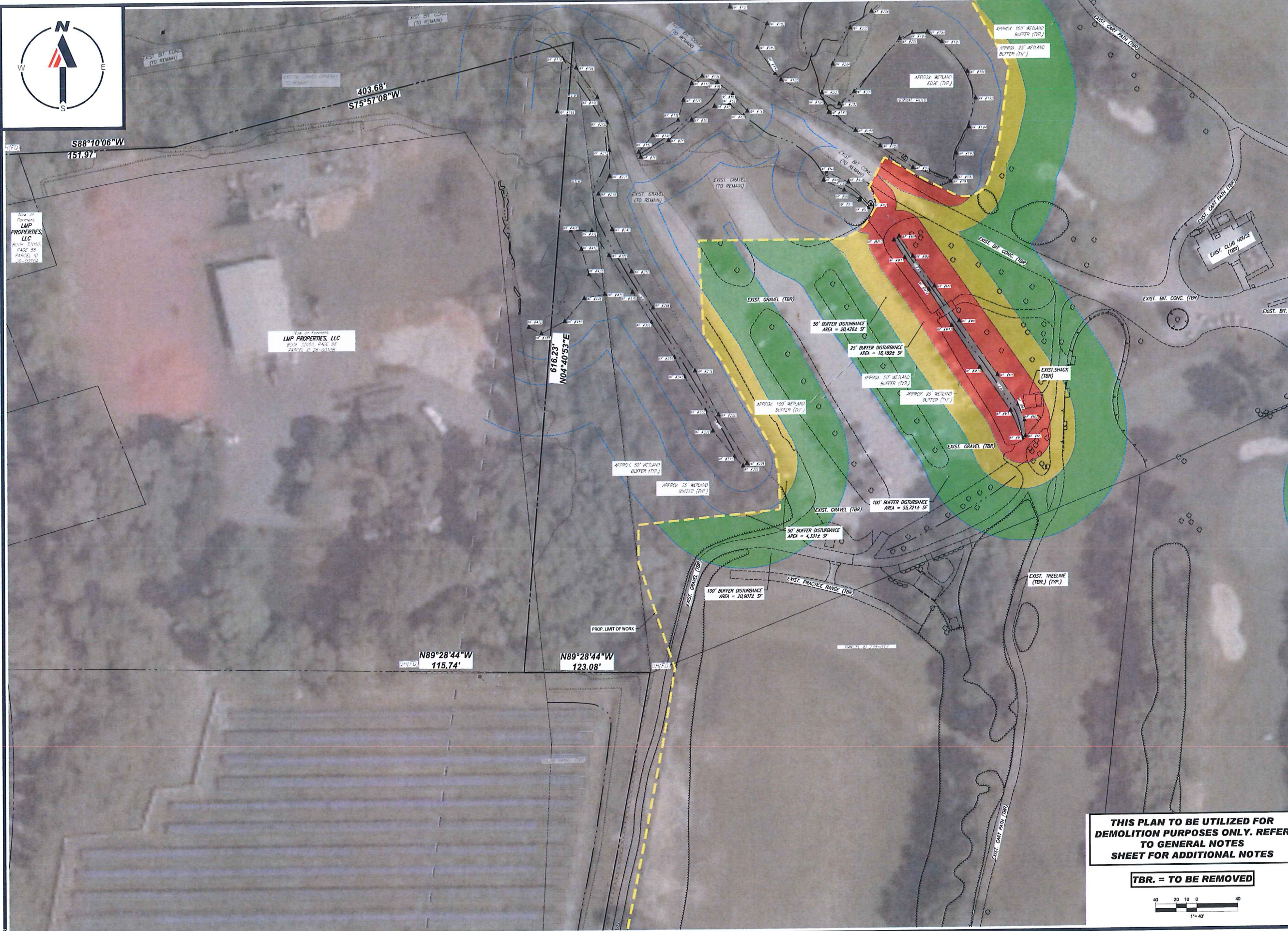
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 MASSACHUSETTS LICENSE NO. 15133
 NEW HAMPSHIRE LICENSE NO. 15476
 CONNECTICUT LICENSE NO. 26177
 RHODE ISLAND LICENSE NO. 5616
 MAINE LICENSE NO. 12553

SHEET TITLE:
DEMOLITION PLAN B

SHEET NUMBER:
C-203

ORG. DATE - 04/13/2023

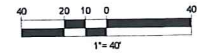


NO. OF PARCELS
LMP PROPERTIES, LLC
BUMP LUND
PAGE 85
PARCEL ID
201201201

NO. OF PARCELS
LMP PROPERTIES, LLC
BUMP LUND
PAGE 86
PARCEL ID
201201202

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PROJECT No.: W201257
DRAWN BY: EVD / CAC / I OGR
CHECKED BY: GD
DATE: 04/13/2023
CAD LD.: W201257-DEMO-0A

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 239-010 168 MAPLE STREET,
TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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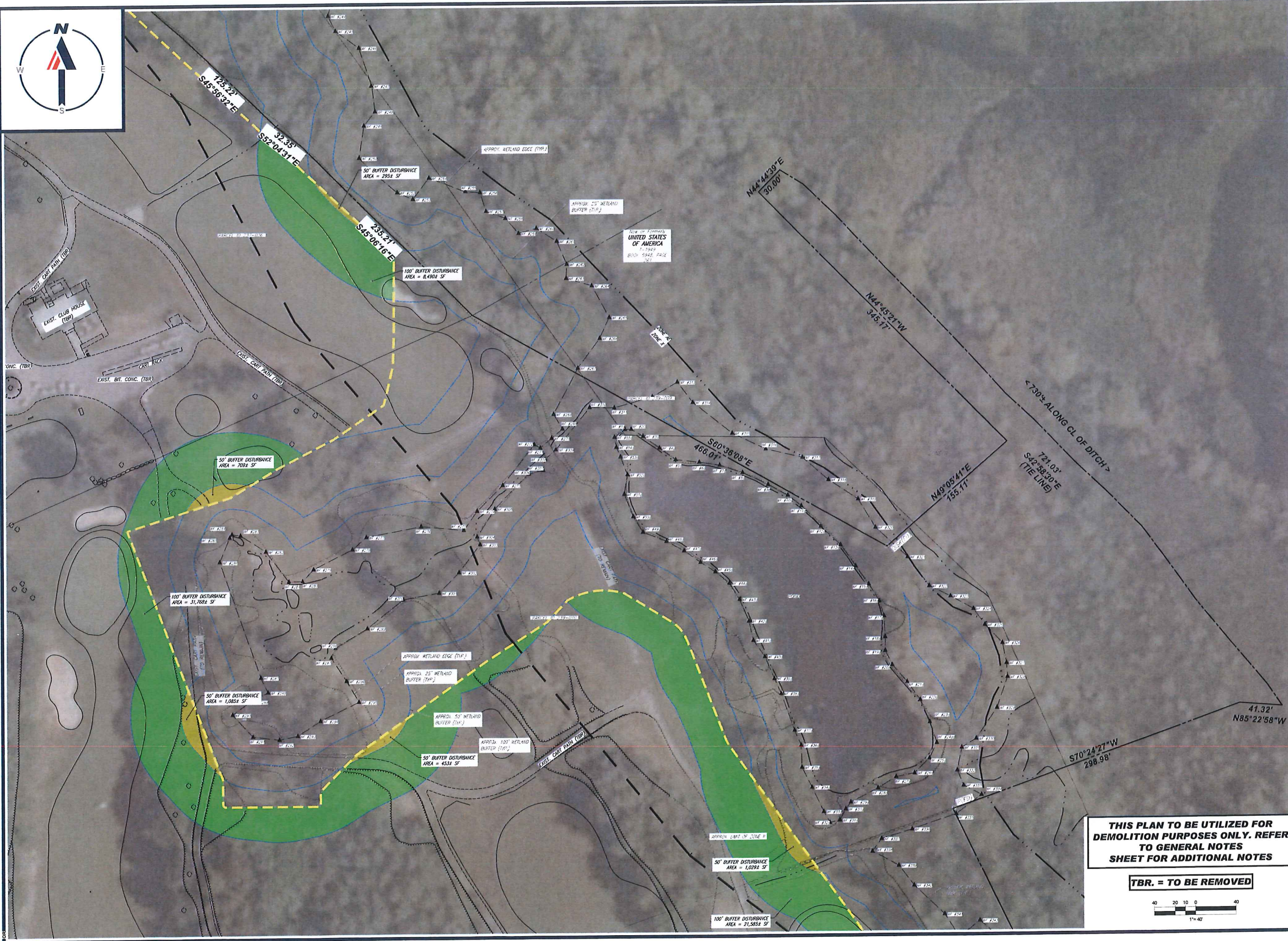
J. A. KUCICH
JOHN A. KUCICH
PROFESSIONAL ENGINEER
MASSACHUSETTS REG. NO. 14176
CONNECTICUT REG. NO. 26177
RHODE ISLAND LICENSE NO. 5616
MAINE LICENSE NO. 12553

SHEET TITLE:
DEMOLITION PLAN C

SHEET NUMBER:
C-204

ORG. DATE - 04/13/2023

P:\2023\151\151201201\151201201.dwg



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PROJECT No.: W201257
DRAWN BY: EVD / CMC / OCR
CHECKED BY: CJD
DATE: 04/13/2023
CAD LD: W201257-DEMO-0A

PROJECT:

PROPOSED SITE PLAN DOCUMENTS

FOR
NEXTGRID MESCALBEAN LLC
PROPOSED SOLAR FARM

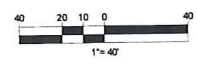
LOTS INCLUDED (PARCEL #): 239-009, F 239-010, G 239-010, H 239-010, I 239-010, 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010 160 MAPLE STREET,
TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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MASSACHUSETTS REG. NO. 11530
NEW HAMPSHIRE REG. NO. 13476
CONNECTICUT REG. NO. 29377
RHODE ISLAND LICENSE NO. 9618
MAINE LICENSE NO. 12553

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SHEET TITLE:
DEMOLITION PLAN D

SHEET NUMBER:
C-205

ORG. DATE - 04/13/2023



Site of Former
LMP PROPERTIES, LLC
 6000 20100, PAGE #2
 245022, 20, 419-117

Site of Former
LMP PROPERTIES, LLC
 6000 20100, PAGE #3
 245022, 20, 419-117

N10°29'03"E
 714.49'

N18°34'30"E
 18.91'

297.99'
 N60°45'22"W

260.13'
 N62°32'38"W

N67°40'39"W
 500.46'

EXIST. TREELINE
 (TBR.) (TYP.)

EXIST. GOLF FAIRWAY
 (TBR.) (TYP.)

EXIST. TREELINE
 (TBR.) (TYP.)

EXIST. GRAVEL
 (TBR.)

EXIST. CART PATH (TBR.)

EXIST. GARAGE (TBR.)

EXIST. GARAGE
 (TO REMAIN)

PROP. LIMIT OF WORK

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PROJECT No.: W201257
 DRAWN BY: EVD / CVC / OGR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD LD.: W201257-DEM-0A

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 239-010166 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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 JOHN A. KUCICH
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 REG. PROFESSIONAL ENGINEER
 MASSACHUSETTS
 REGISTRATION NO. 15476
 COMMONWEALTH OF MASSACHUSETTS REG. NO. 26177
 REGISTERED LAND SURVEYOR NO. 9616
 MARINE LICENSE NO. 12553

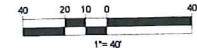
SHEET TITLE:
DEMOLITION PLAN E

SHEET NUMBER:
C-206

ORG. DATE - 04/13/2023

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PROJECT No.: W201257
 DRAWN BY: EVD / CVC / OGR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD ID: W201257-DEMO-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 239-010160 MAPLE STREET,
 TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

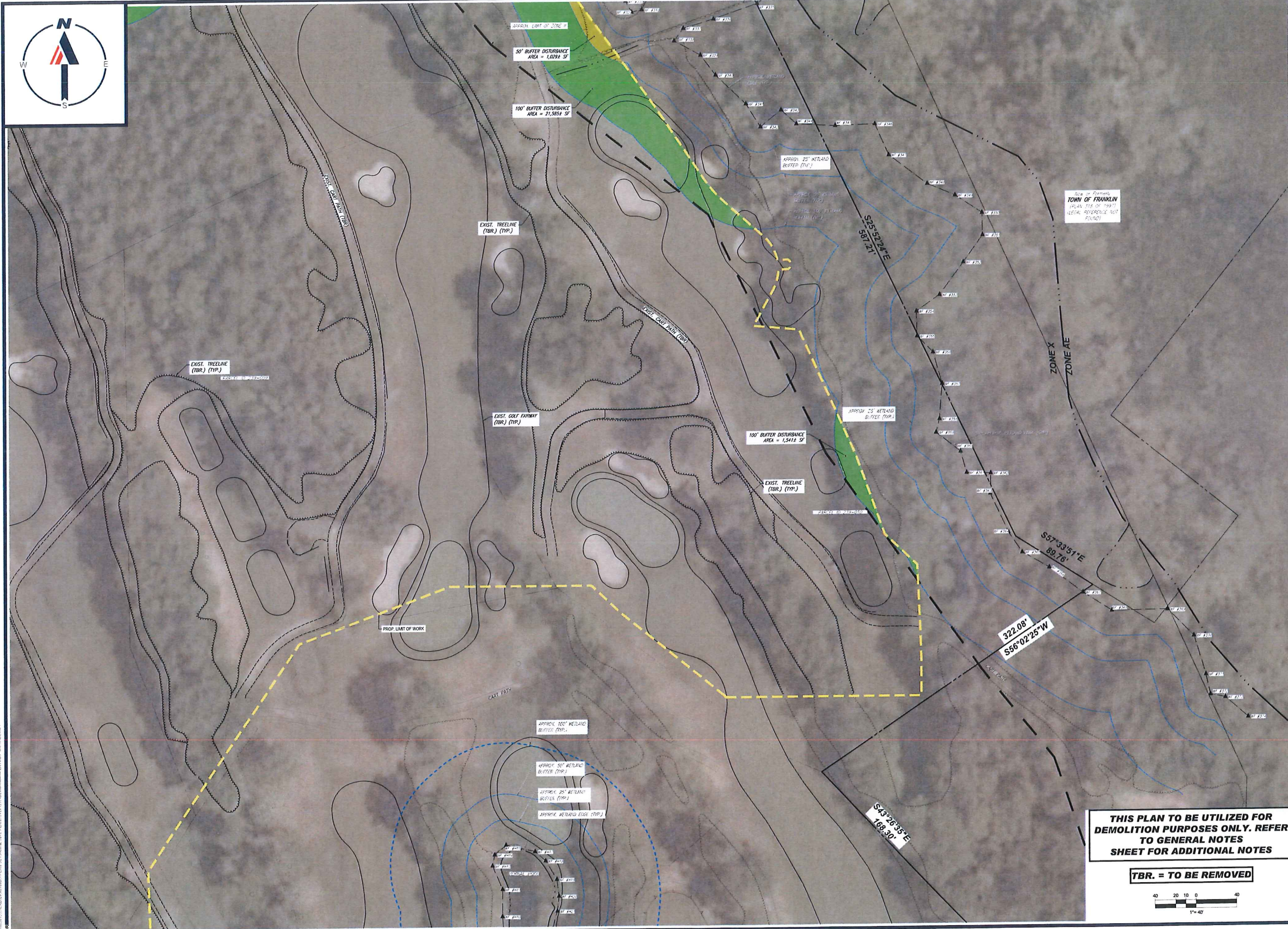
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 JOHN K. KUOCH
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 PROFESSIONAL ENGINEER
 MASS. REG. NO. 15130
 NEW HAMPSHIRE REG. NO. 15478
 CONN. REG. NO. 28177
 RHODE ISLAND LICENSE NO. 9616
 MAINE LICENSE NO. 12553

SHEET TITLE:
DEMOLITION PLAN F

SHEET NUMBER:
C-207

ORG. DATE - 04/13/2023

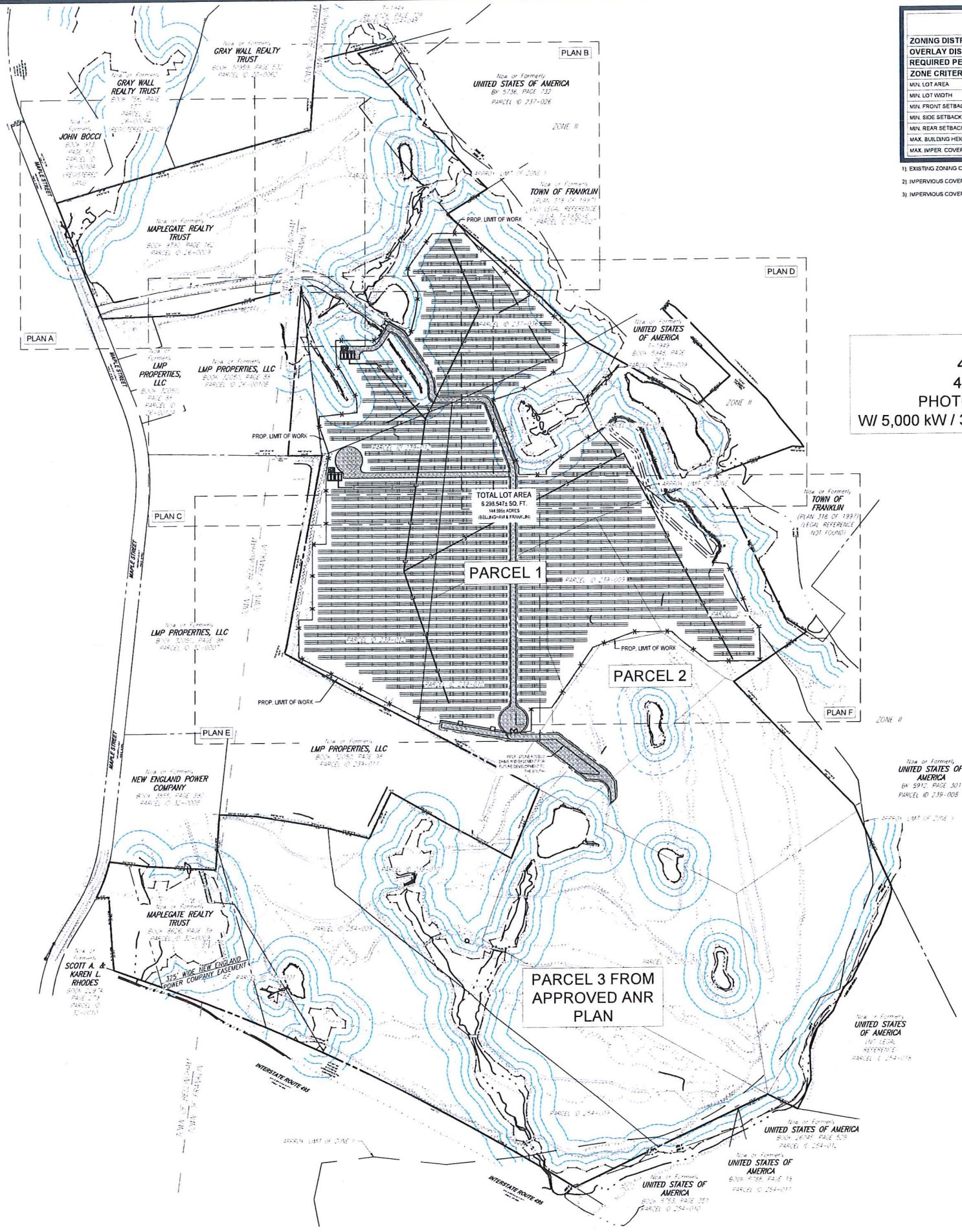


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40 20 0 40
 1"=40'

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ZONING ANALYSIS TABLE			
ZONING DISTRICT	INDUSTRIAL		
OVERLAY DISTRICT	NONE		
REQUIRED PERMIT	TBD		
ZONE CRITERIA	REQUIRED	EXISTING ¹	PROPOSED PARCEL 1
MIN. LOT AREA	0.9 ACRES	159.5 ACRES	1.628 ACRES
MIN. LOT WIDTH	157.5'	422.7'	237.0'
MIN. FRONT SETBACK	40'	441.0'	37.3'
MIN. SIDE SETBACK	30'	85.7'	716.2'
MIN. REAR SETBACK	30'	241.0'	600.5'
MAX. BUILDING HEIGHT	3 STORIES	>30'	>30'
MAX. IMPER. COVERAGE	80 %	+7.4% ²	3.5 % ³

1) EXISTING ZONING CRITERIA INCLUDES PARCELS D, E, F, G, H, I.
 2) IMPERVIOUS COVERAGE PERCENTAGE INCLUDES 2.03 ACRES OF GRAVEL.
 3) IMPERVIOUS COVERAGE PERCENTAGE INCLUDES 1.60 ACRES OF GRAVEL.

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

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

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

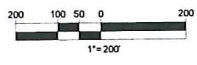
LOTS INCLUDED (PARCEL #): 239-009, F, 239-010, G, 239-010, H, 239-010, I, 239-010, 239-012, 237-36-37, 237-36, E, 239-010, PORTION OF D 239-010160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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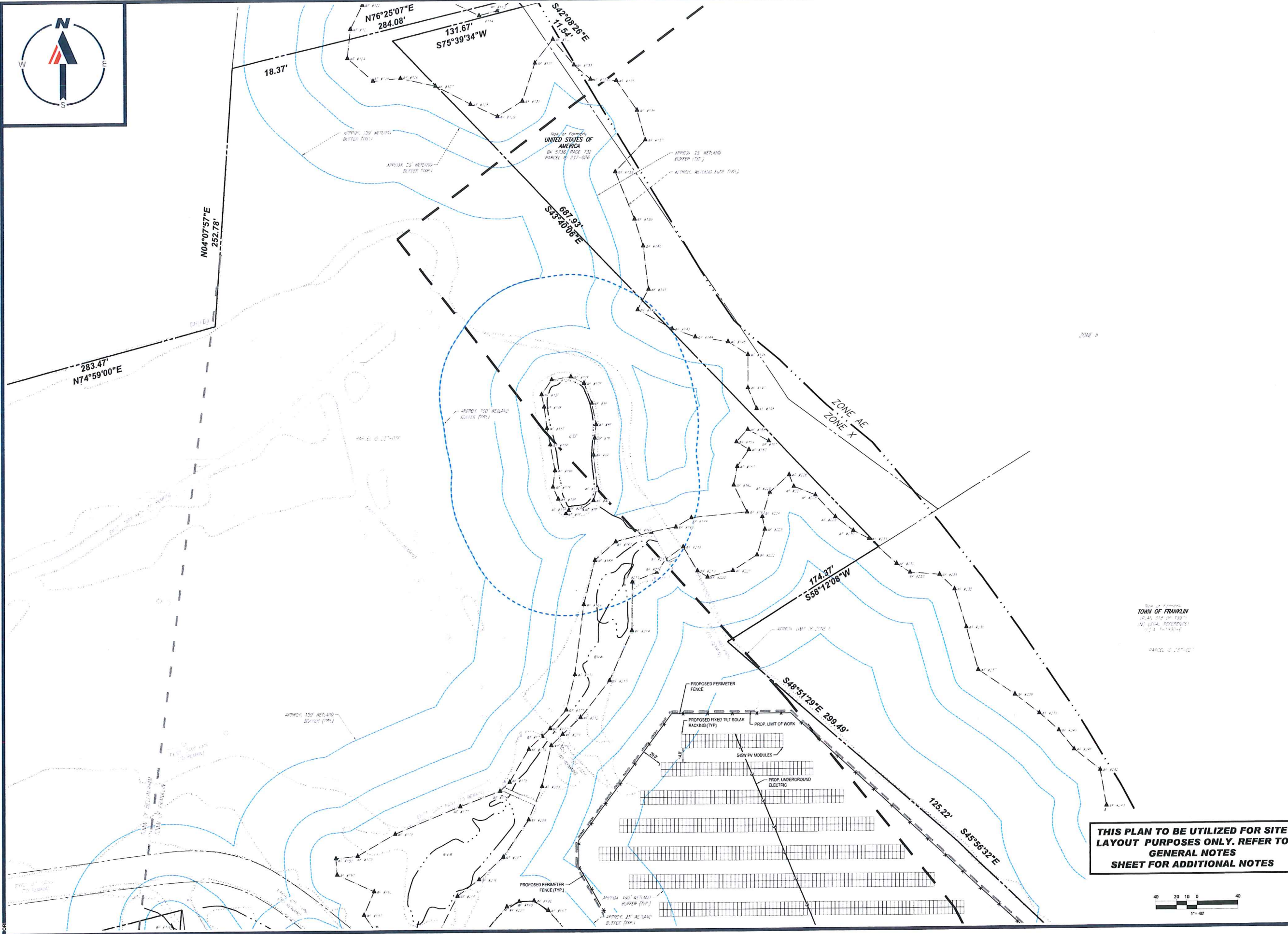
J.A. KUCICH
 JOHN A. KUCICH
 CIVIL ENGINEER
 PROFESSIONAL ENGINEER
 MA LICENSE NO. 11330
 NEW HAMPSHIRE LICENSE NO. 15476
 CONNECTICUT LICENSE NO. 26177
 RHODE ISLAND LICENSE NO. 2616
 MAINE LICENSE NO. 12553

SHEET TITLE:
OVERALL SITE LAYOUT PLAN
 SHEET NUMBER:
C-301
 ORG. DATE - 04/13/2023

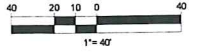
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 CHECKED BY: GD
 DATE: 04/13/2023
 CAD LD.: W201257-SPD-0A

PROJECT:
PROPOSED SITE PLAN DOCUMENTS

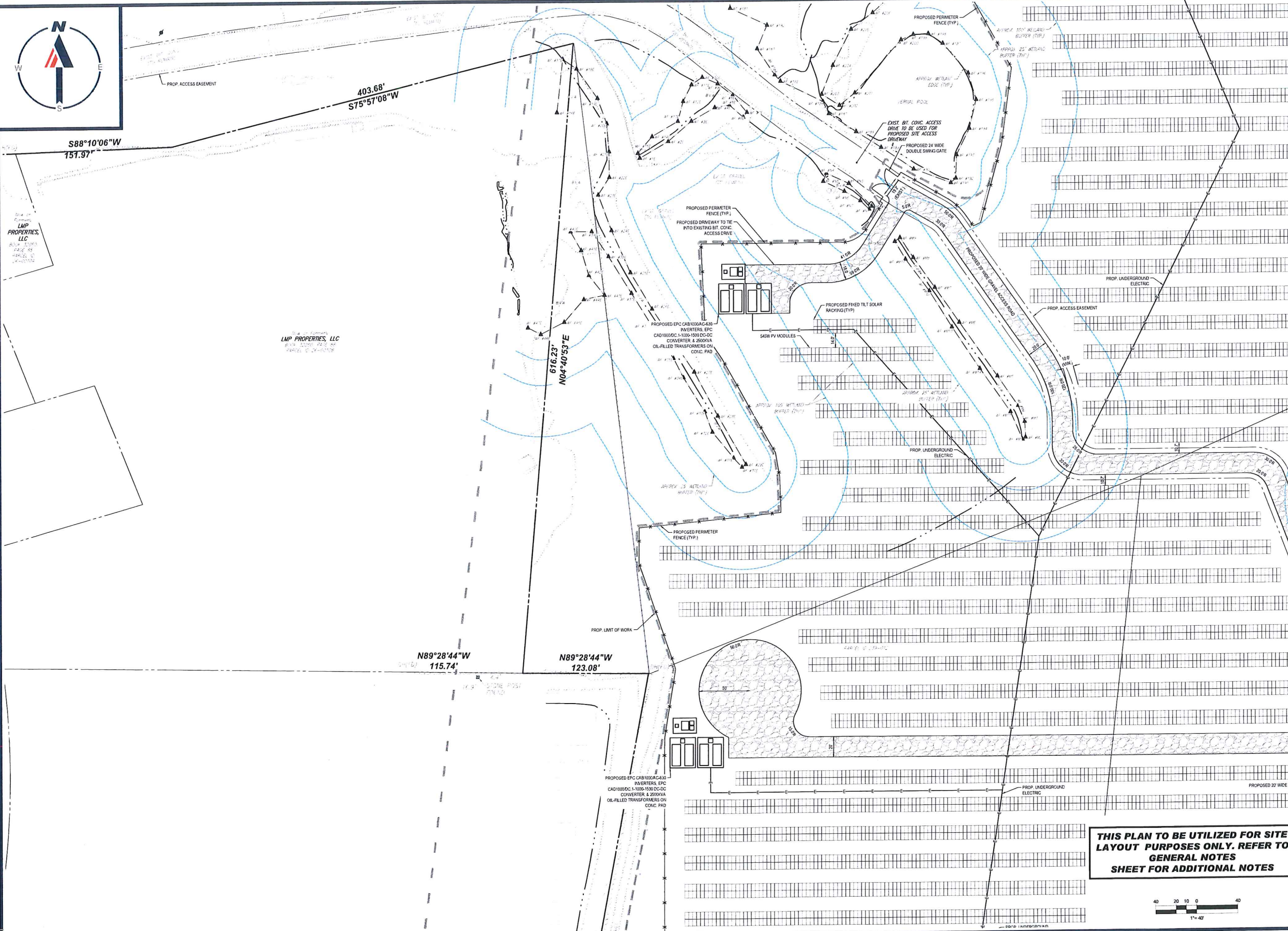
FOR
NEXTGRID MESCALBEAN LLC
 PROPOSED SOLAR FARM

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 239-010160 MAPLE STREET,
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 PROFESSIONAL SEAL
 MASSACHUSETTS LICENSE No. 15130
 NEW HAMPSHIRE LICENSE No. 15176
 RHODE ISLAND LICENSE No. 9516
 MAINE LICENSE No. 32553

SHEET TITLE:
SITE LAYOUT PLAN B
 SHEET NUMBER:
C-303
 ORG. DATE - 04/13/2023



Site of
LMP PROPERTIES, LLC
SUN 1000
PAGE 08
DATE 04-13-2023

Site of
LMP PROPERTIES, LLC
SUN 1000
PAGE 08
DATE 04-13-2023

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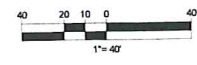
PROJECT No.: W201257
DRAWN BY: EVD / CMC / OGR
CHECKED BY: GD
DATE: 04/13/2023
CAD LD.: W201257-SPPD-GA

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 239-010160 MAPLE STREET,
TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

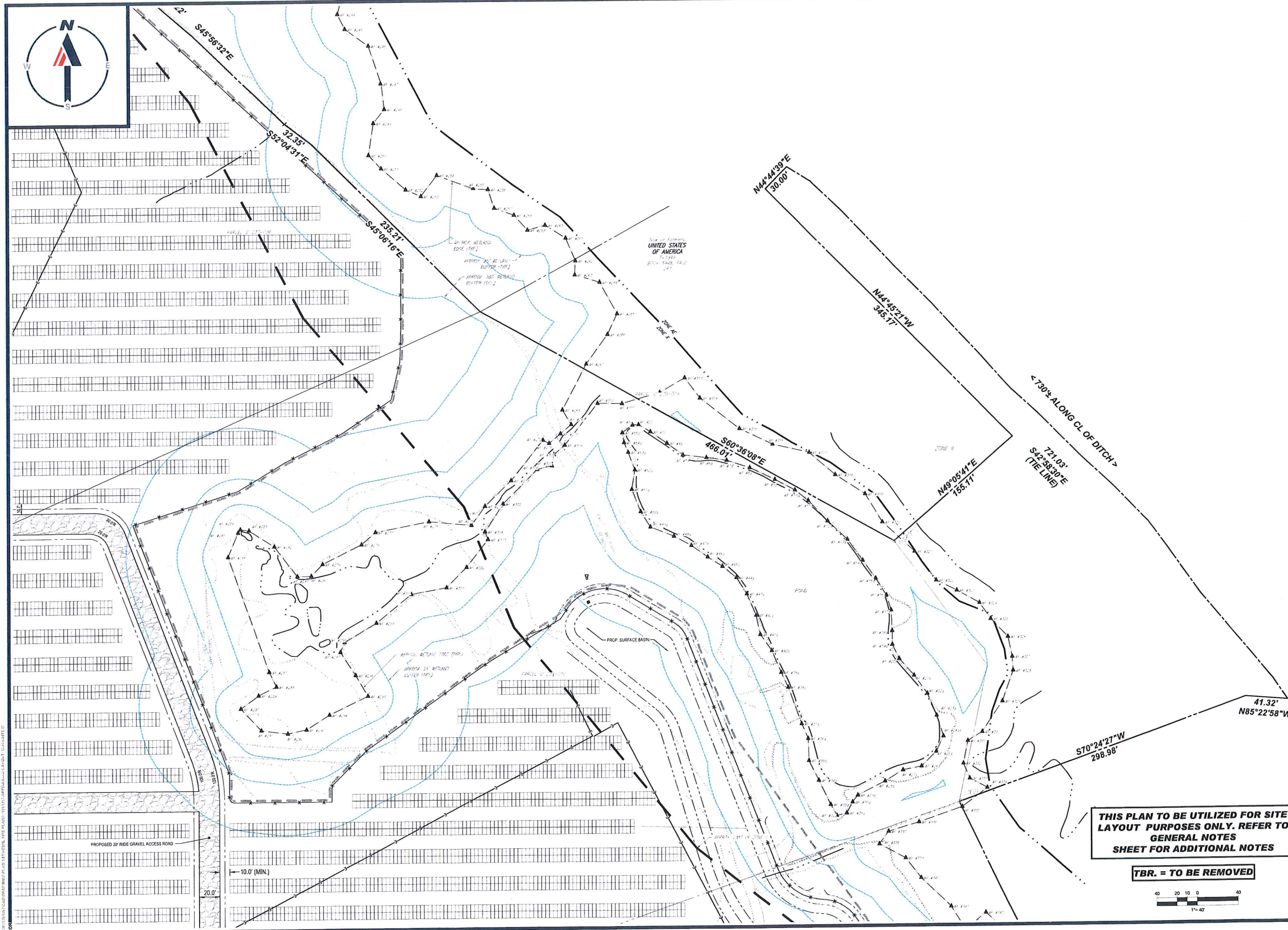
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RHODE ISLAND LICENSE NO. 9616
MAINE LICENSE NO. 12553

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SHEET TITLE:
SITE LAYOUT PLAN C
SHEET NUMBER:
C-304
ORG. DATE - 04/13/2023



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PROJECT No.: W201257
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CHECKED BY: GD
DATE: 04/13/2023
CAD LD.: W201257-SPD-GA

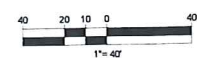
PROJECT:
PROPOSED SITE PLAN DOCUMENTS
FOR
NEXTGRID MESCALBEAN LLC
PROPOSED SOLAR FARM
LOTS INCLUDED (PARCEL #): 239-009, F 239-010, G 239-010, H 239-010, I 239-010, 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010/160 MAPLE STREET,
TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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PROFESSIONAL SEAL
MASSACHUSETTS LICENSE NO. 11539
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RHODE ISLAND LICENSE NO. 26177
MAINE LICENSE NO. 12553

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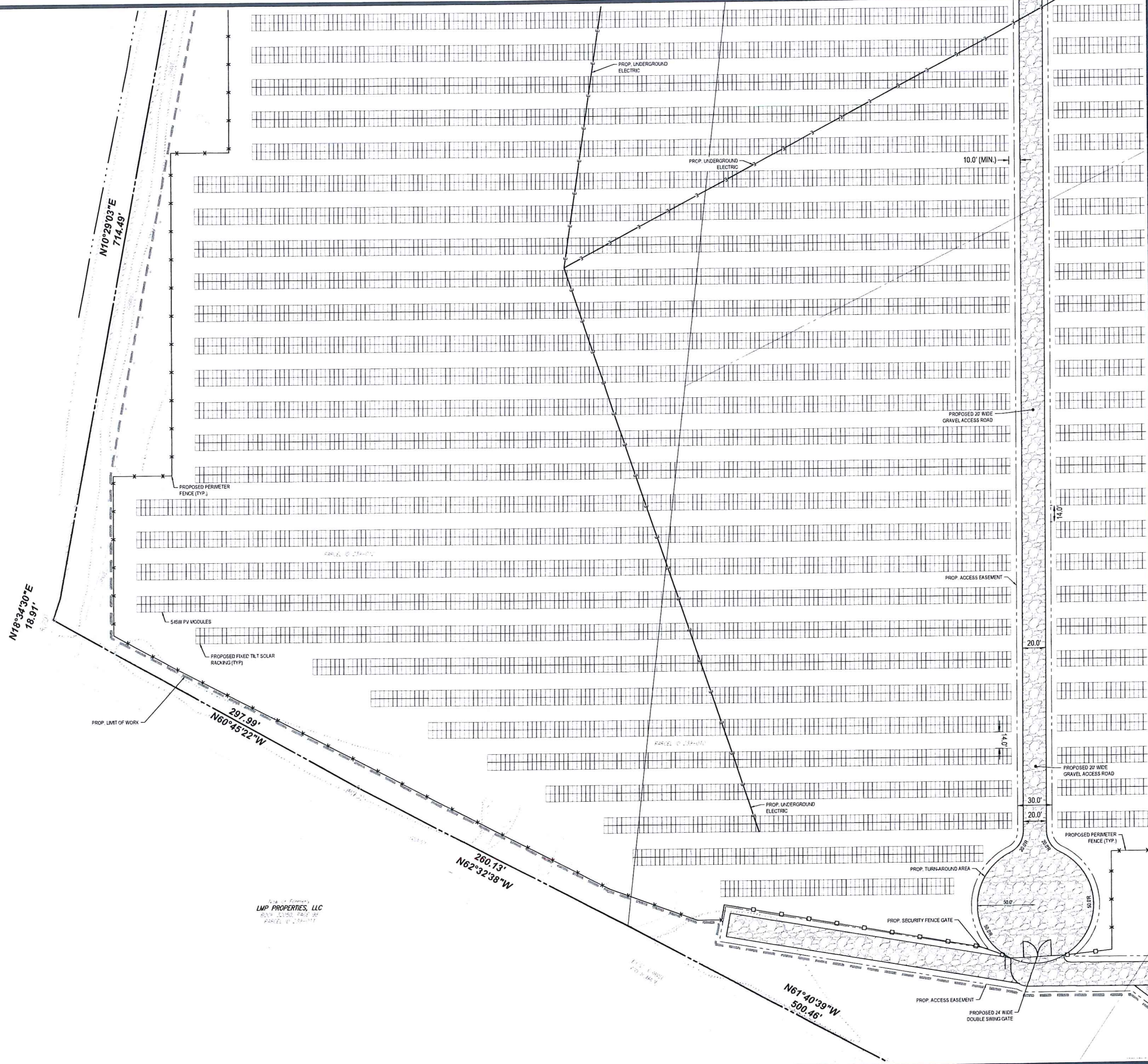
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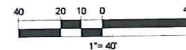
SHEET TITLE:
SITE LAYOUT PLAN D
SHEET NUMBER:
C-305
ORG. DATE - 04/13/2023



LMP PROPERTIES, LLC



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PROJECT NO.: W201257
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 CHECKED BY: GD
 DATE: 04/13/2023
 CAD L.D.: W201257-SFPD-0A

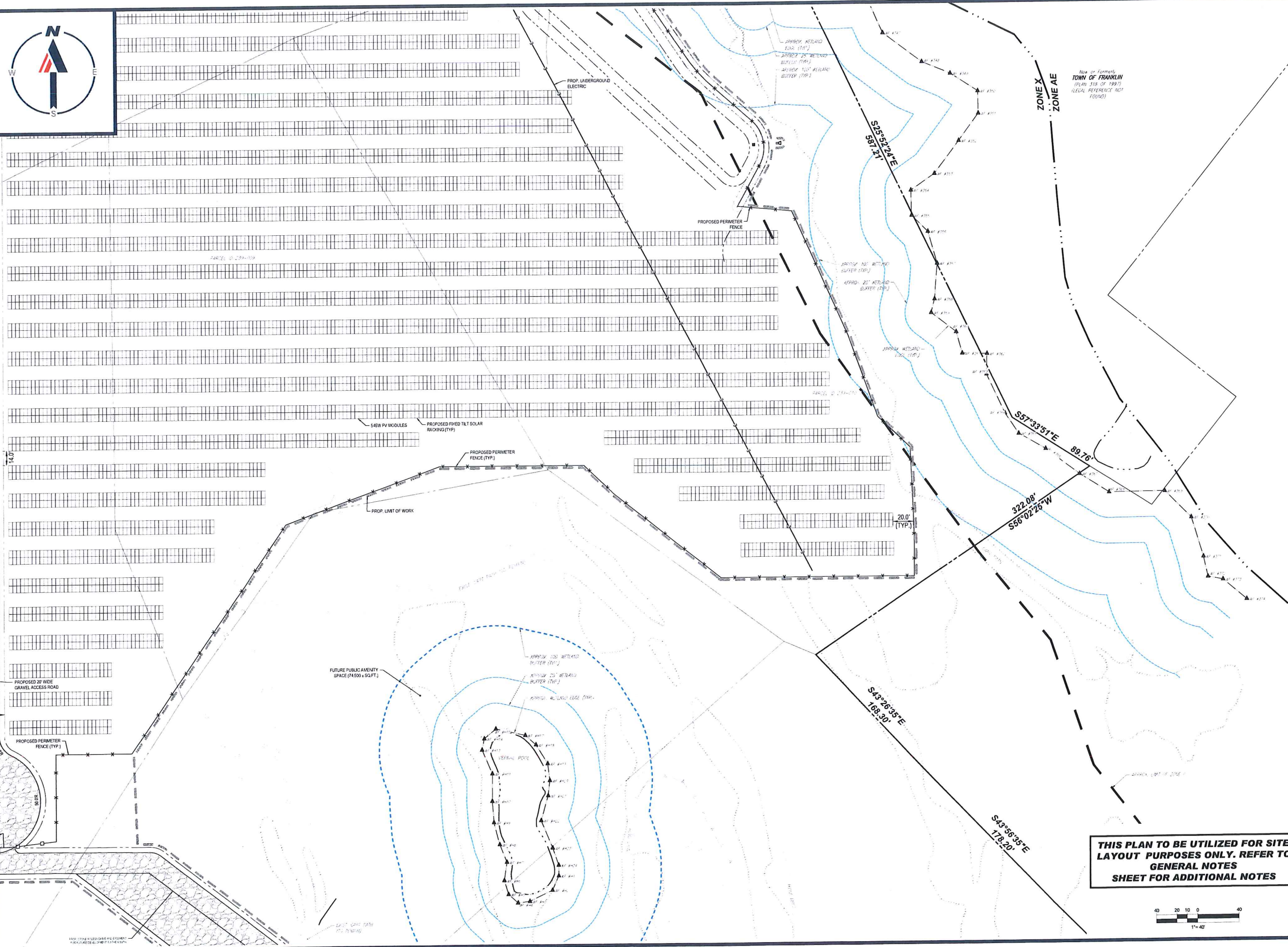
PROPOSED SITE LAYOUT DOCUMENTS
 FOR
NEXTGRID MESCALBEAN LLC
 PROPOSED SOLAR FARM
 LOTS INCLUDED (PARCEL #): 239-009, F 239-010, G 239-010, H 239-010, I 239-010, 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010 160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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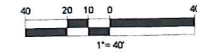
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 JOHN A. KUCICH
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 PROFESSIONAL SEAL
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 NEW HAMPSHIRE REG. NO. 15476
 CONNECTICUT REG. NO. 28177
 RHODE ISLAND REG. NO. 3656
 MAINE LICENSE NO. 12553

SHEET TITLE:
SITE LAYOUT PLAN E
 SHEET NUMBER:
C-306

ORG. DATE - 04/13/2023



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PROJECT No.:	W201257
DRAWN BY:	EVD / CMC / OGR
CHECKED BY:	GD
DATE:	04/13/2023
CAD I.D.:	W201257-SPPD-GA

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, J 239-012, K 237-36-37, L 237-36, E 239-010, PORTION OF D 239-010/160 MAPLE STREET.

TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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 NEW HAMPSHIRE REG. NO. 15476
 CONNECTICUT REG. NO. 26177
 RHODE ISLAND LICENSE NO. 9616
 MAINE LICENSE NO. 12553

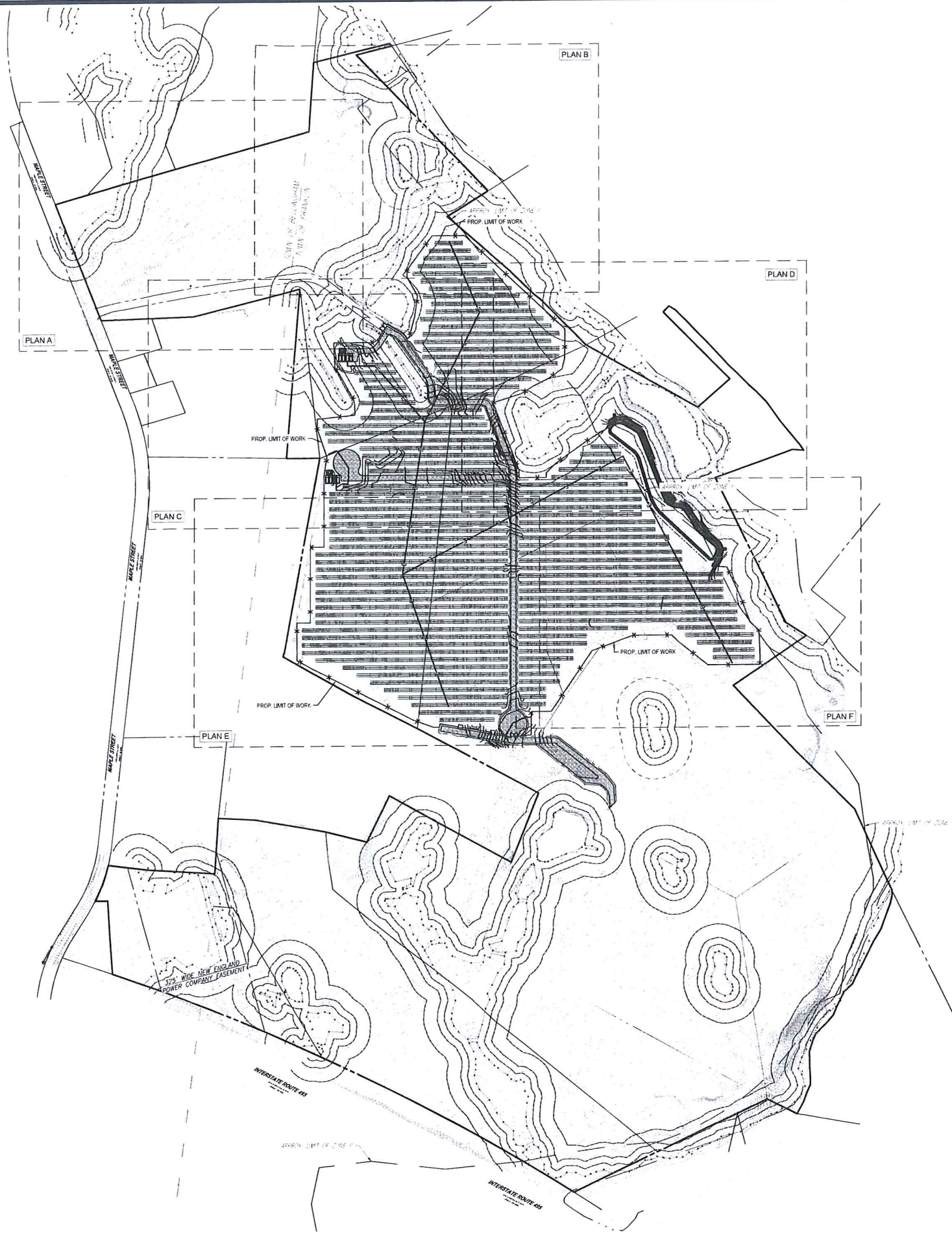
SHEET TITLE:

SITE LAYOUT PLAN F

SHEET NUMBER:

C-307

ORG. DATE - 04/13/2023



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PROJECT No.: W201257
DRAWN BY: EVD / CMG / OCR
CHECKED BY: GD
DATE: 04/13/2023
CAD LG.: W201257-GRAD-GA

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 239-010/150 MAPLE STREET.
TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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PROFESSIONAL ENGINEER
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NEW HAMPSHIRE REG. NO. 15414
CONNECTICUT REG. NO. 28177
RHODE ISLAND REG. NO. 26516
MAINE LICENSE NO. 12553

SHEET TITLE:
OVERALL GRADING PLAN

SHEET NUMBER:
C-401

ORG. DATE - 04/13/2023



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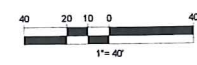
PROJECT No.: W201257
 EVD / CMC / OCR / GD
 DRAWN BY:
 CHECKED BY:
 DATE: 04/13/2023
 CAD LD.: W201257-GRAD-0A

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 239-010/160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

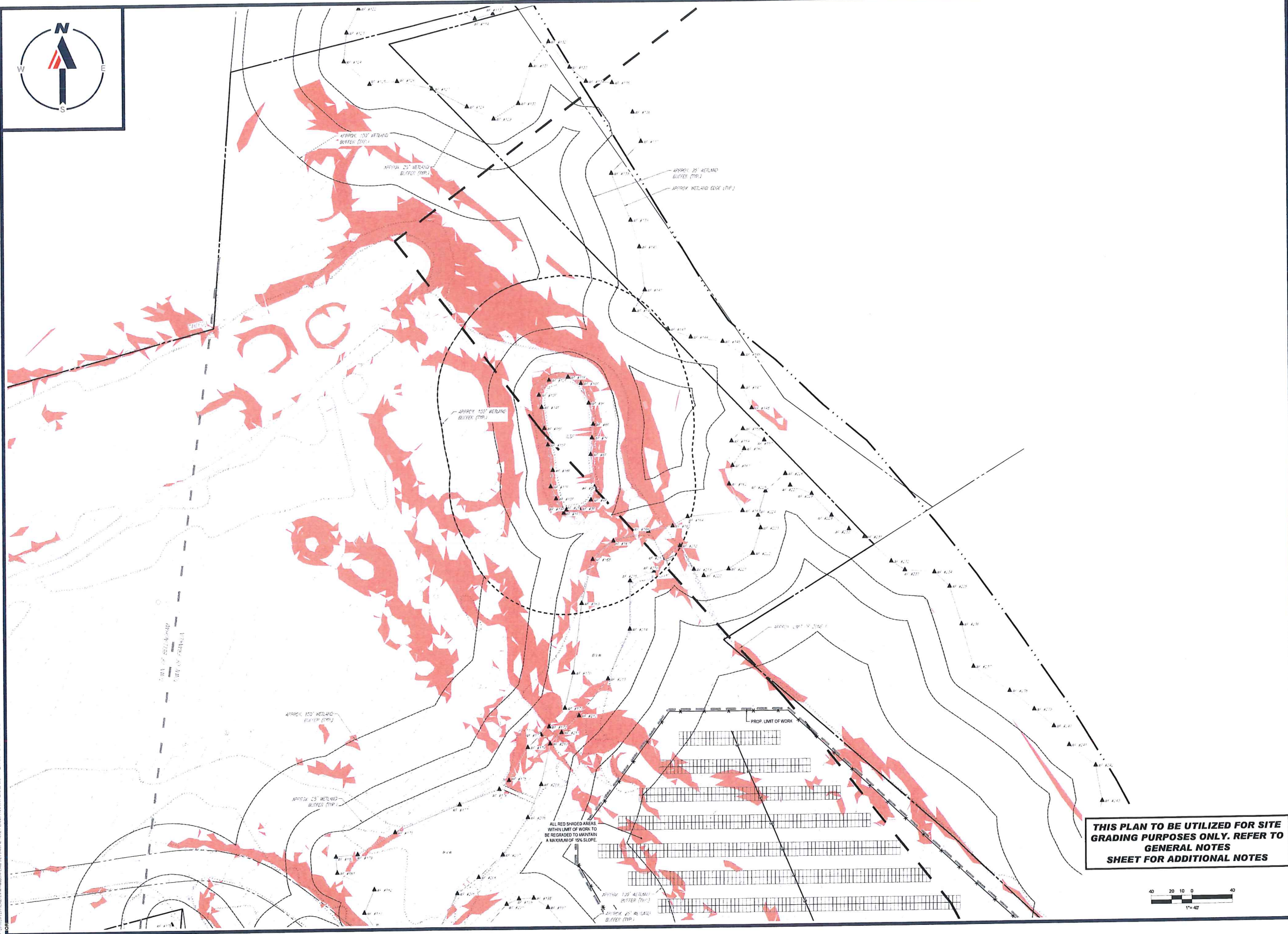
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 JOHN A. KUOCH
 CIVIL ENGINEER
 PROFESSIONAL SEAL
 MASSACHUSETTS LICENSE No. 15530
 NEW HAMPSHIRE LICENSE No. 15476
 CONNECTICUT LICENSE No. 28177
 RHODE ISLAND LICENSE No. 9516
 MAINE LICENSE No. 12553

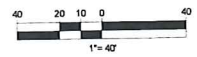
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SHEET TITLE:
GRADING PLAN A
 SHEET NUMBER:
C-402
 ORG. DATE - 04/13/2023



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CHECKED BY: GD
DATE: 04/13/2023
CAD LD.: W201257-GRAD-GA

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 239-010160 MAPLE STREET,
TOWN OF BELLINGHAM & FRANKLIN,
NORFOLK COUNTY, MASSACHUSETTS

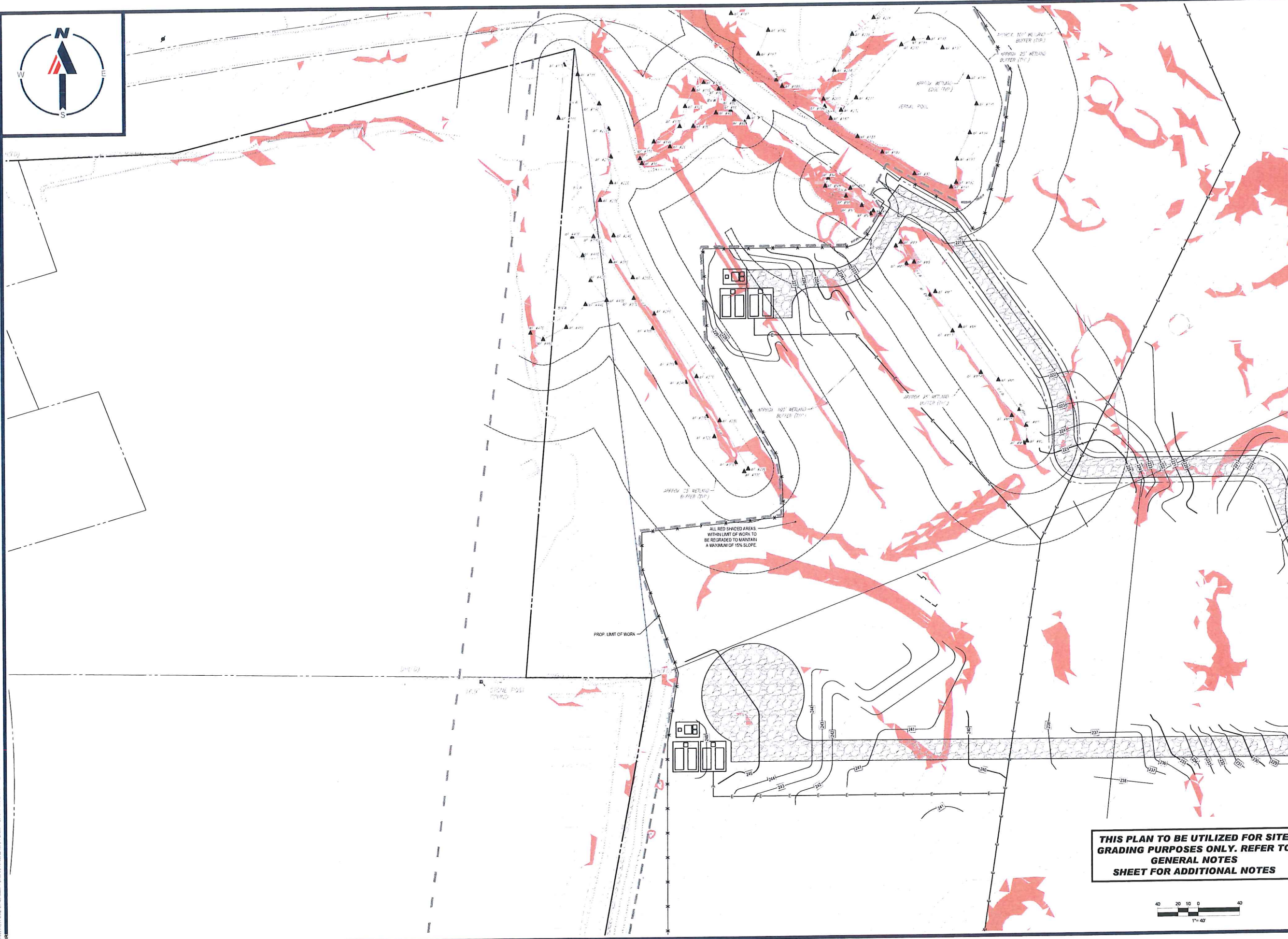
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J.A. KUCICH
JOHN A. KUCICH
Civil Engineer
MASSACHUSETTS
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CONNECTION POINTS: 26177
PHONE: (508) 480-9900 FAX: 9616
MARINE LICENSE No. 12553

SHEET TITLE:
GRADING PLAN B

SHEET NUMBER:
C-403

ORG. DATE - 04/13/2023



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PROJECT No.: W201257
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 CHECKED BY: GD
 DATE: 04/13/2023
 CAD LD.: W201257-GRAD-0A

PROPOSED SITE PLAN DOCUMENTS

FOR
NEXTGRID MESCALBEAN LLC

PROPOSED SOLAR FARM

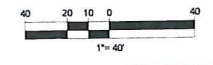
LOTS INCLUDED (PARCEL #): 239-009, F 239-010, G 239-010, H 239-010, I 239-010, 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010 160 MAPLE STREET,
 TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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 NEW HAMPSHIRE REG. NO. 15476
 CONNECTICUT REG. NO. 26177
 RHODE ISLAND LICENSE NO. 9616
 MAINE LICENSE NO. 1253

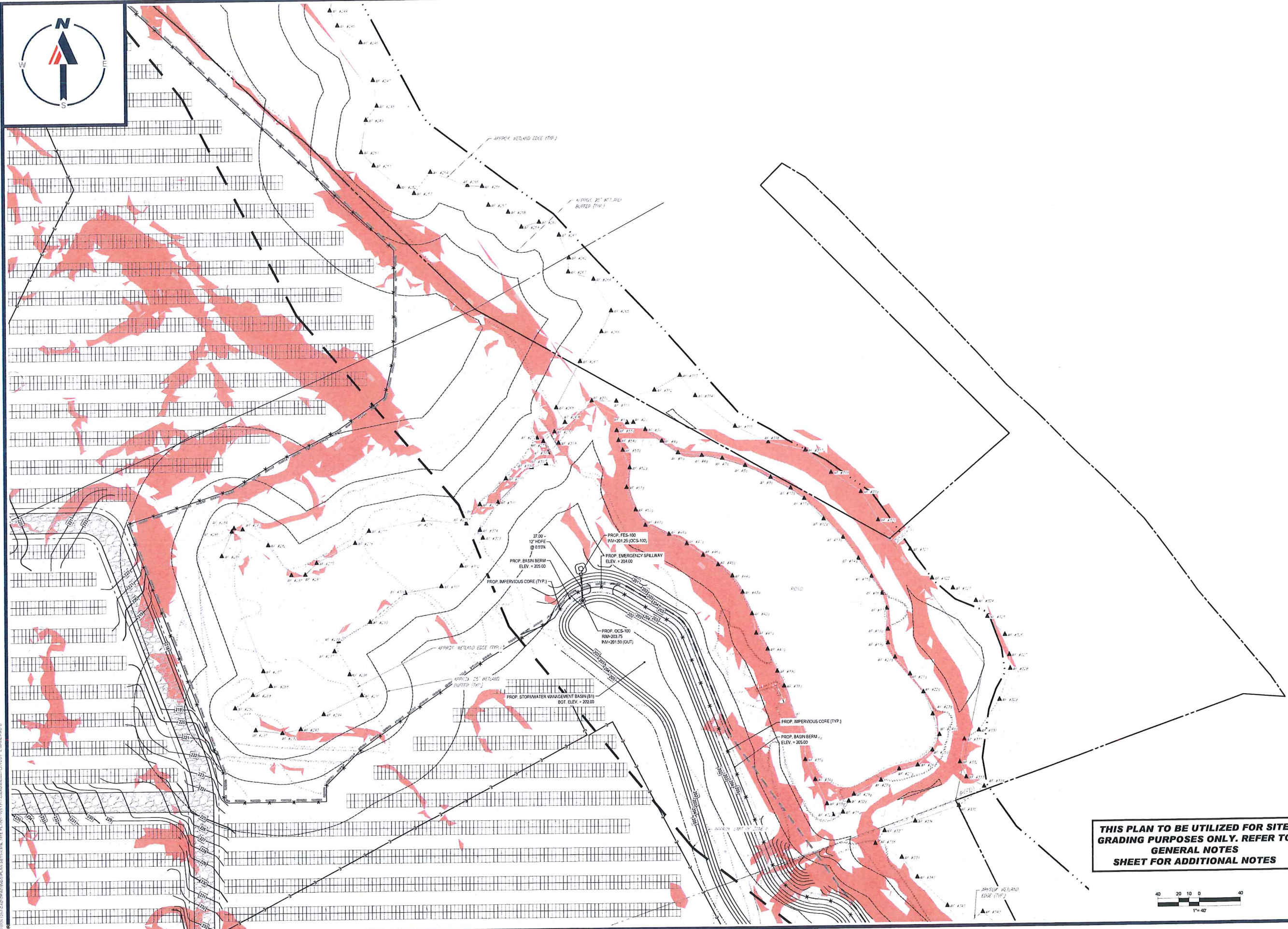
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SHEET TITLE:
GRADING PLAN C

SHEET NUMBER:
C-404

ORG. DATE - 04/13/2023



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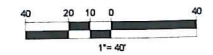
PROJECT No.: W201257
 DRAWN BY: EVD / CMC / OCR
 CHECKED BY: GD
 DATE: 04/13/2023
 CAD LD.: W201257-GRAD-0A

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 239-010 160 MAPLE STREET.
 TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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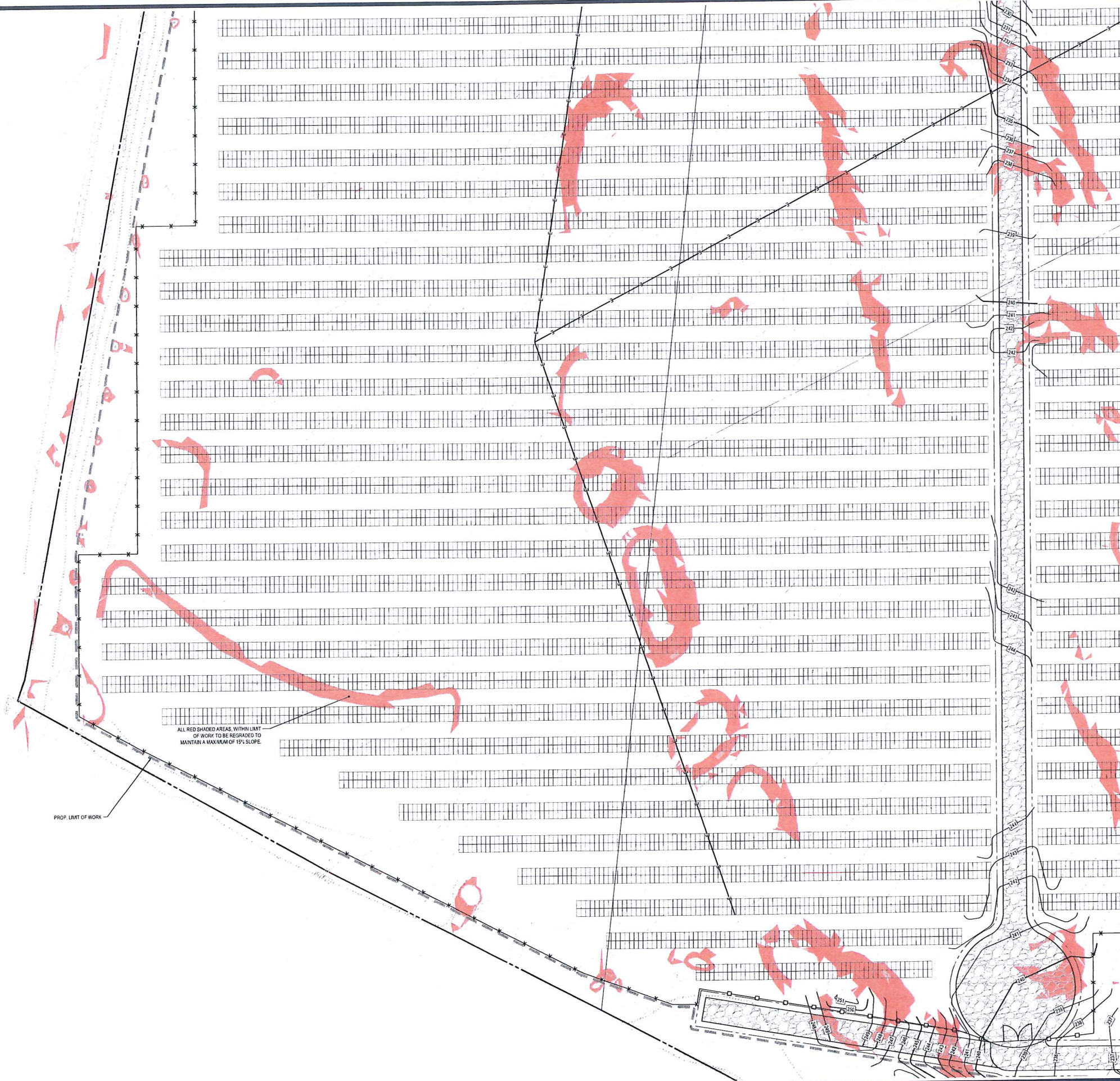
J.A. KUJUCH
 JOHN A. KUJUCH
 CIVIL ENGINEER
 PROFESSIONAL ENGINEER
 MASS. REG. NO. 15130
 NEW HAMPSHIRE REG. NO. 15476
 CONNECTICUT REG. NO. 26177
 RHODE ISLAND LICENSE NO. 9516
 MAINE LICENSE NO. 12553

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SHEET TITLE:
GRADING PLAN D
 SHEET NUMBER:
C-405
 ORG. DATE - 04/13/2023

P:\2023\1257-GRAD\DRAWING\PLAN DOCUMENTS\SITE PLAN\1257-GRAD-0A-01-D-01-C-405.DWG



ALL RED SHADED AREAS, WITHIN LIMIT OF WORK TO BE REGRADED TO MAINTAIN A MAXIMUM OF 15% SLOPE.

PROP. LIMIT OF WORK

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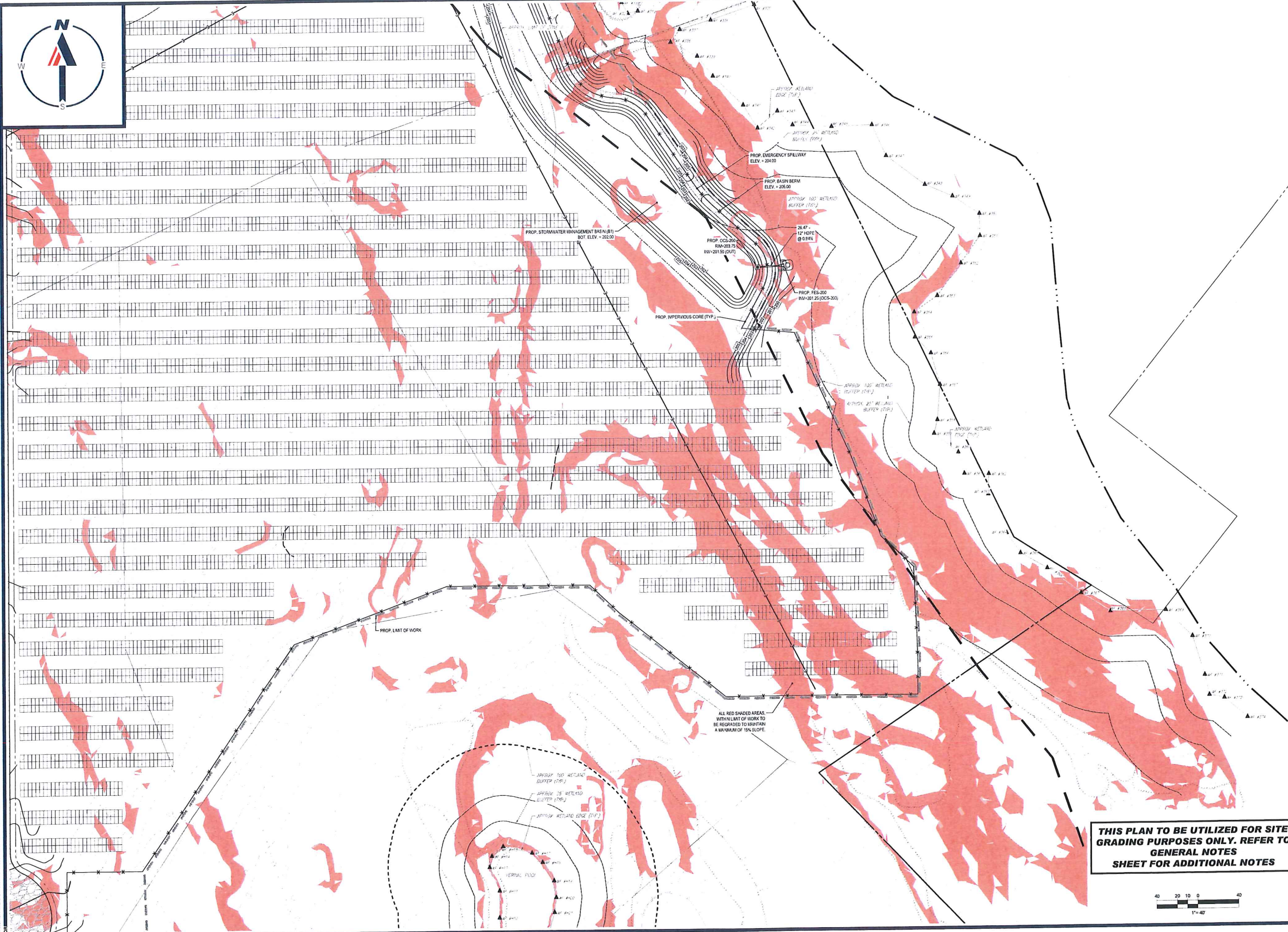
PROJECT No.: W201257
 EVD / CMC / OCR
 DRAWN BY: GD
 CHECKED BY: 04/13/2023
 DATE: 04/13/2023
 CAD LD.: W201257-GRAD-0A

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 239-010160 MAPLE STREET,
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 RHODE ISLAND REG. NO. 3616
 MAINE LICENSE NO. 12553

SHEET TITLE:
GRADING PLAN E
 SHEET NUMBER:
C-406
 ORG. DATE - 04/13/2023



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 DATE: 04/13/2023
 CAD LD: W201257-GRAD-GA

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, 237-38, E 239-010, PORTION OF D 239-010 160 MAPLE STREET,
 TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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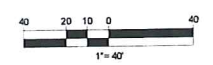
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 JOHN A. KUOICH
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 PROFESSIONAL SEAL
 MASSACHUSETTS REG. NO. 15130
 NEW YORK STATE REG. NO. 15476
 CONNECTICUT REG. NO. 28177
 RHODE ISLAND REG. NO. 5616
 MAINE LICENSE NO. 12553

SHEET TITLE:
GRADING PLAN F

SHEET NUMBER:
C-407

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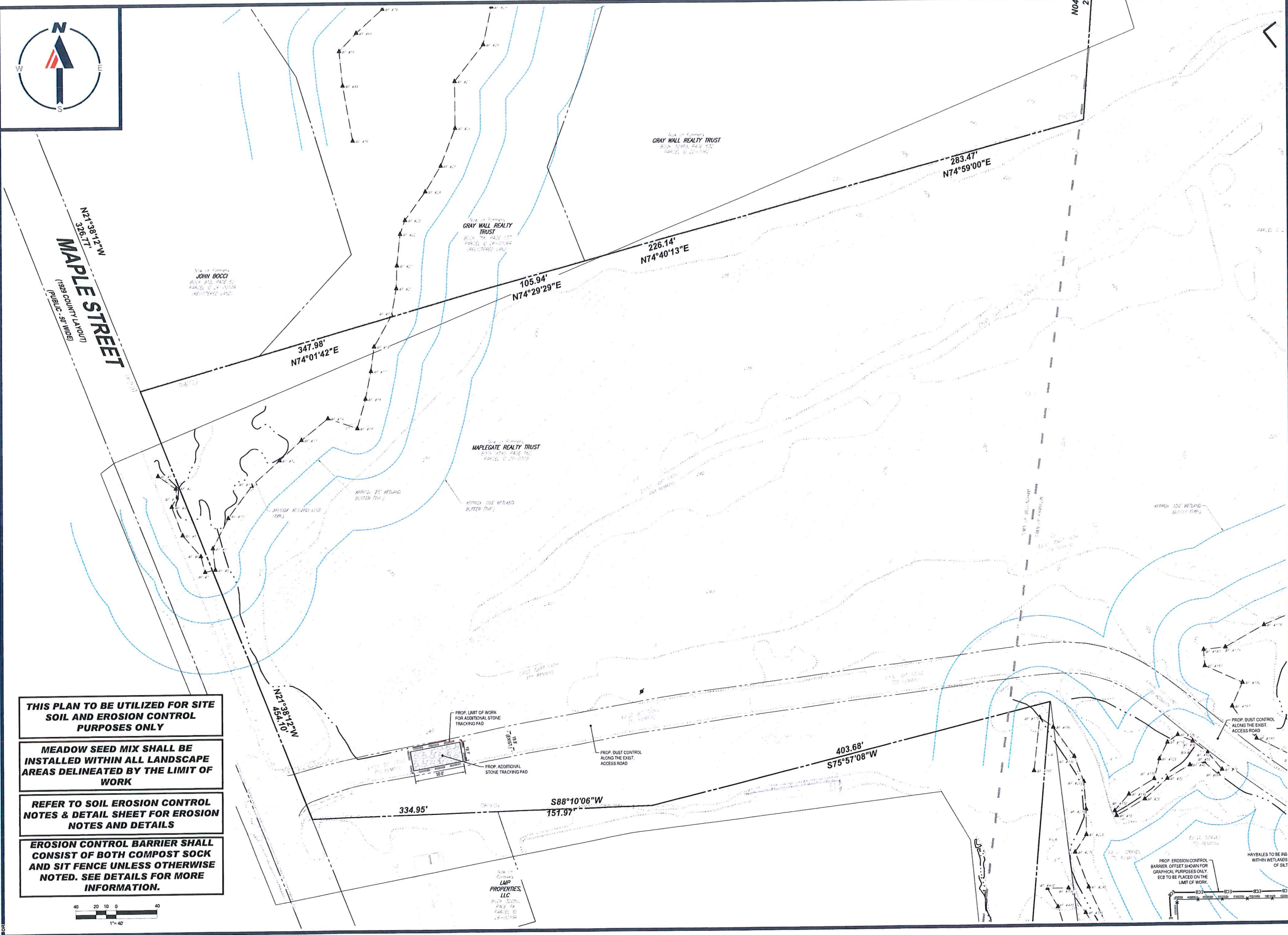
PROJECT No.: W201257
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 CHECKED BY: GID
 DATE: 04/13/2023
 CAD LD.: W201257-EROS-0A

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 239-010160 MAPLE STREET,
 TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

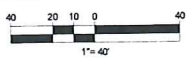
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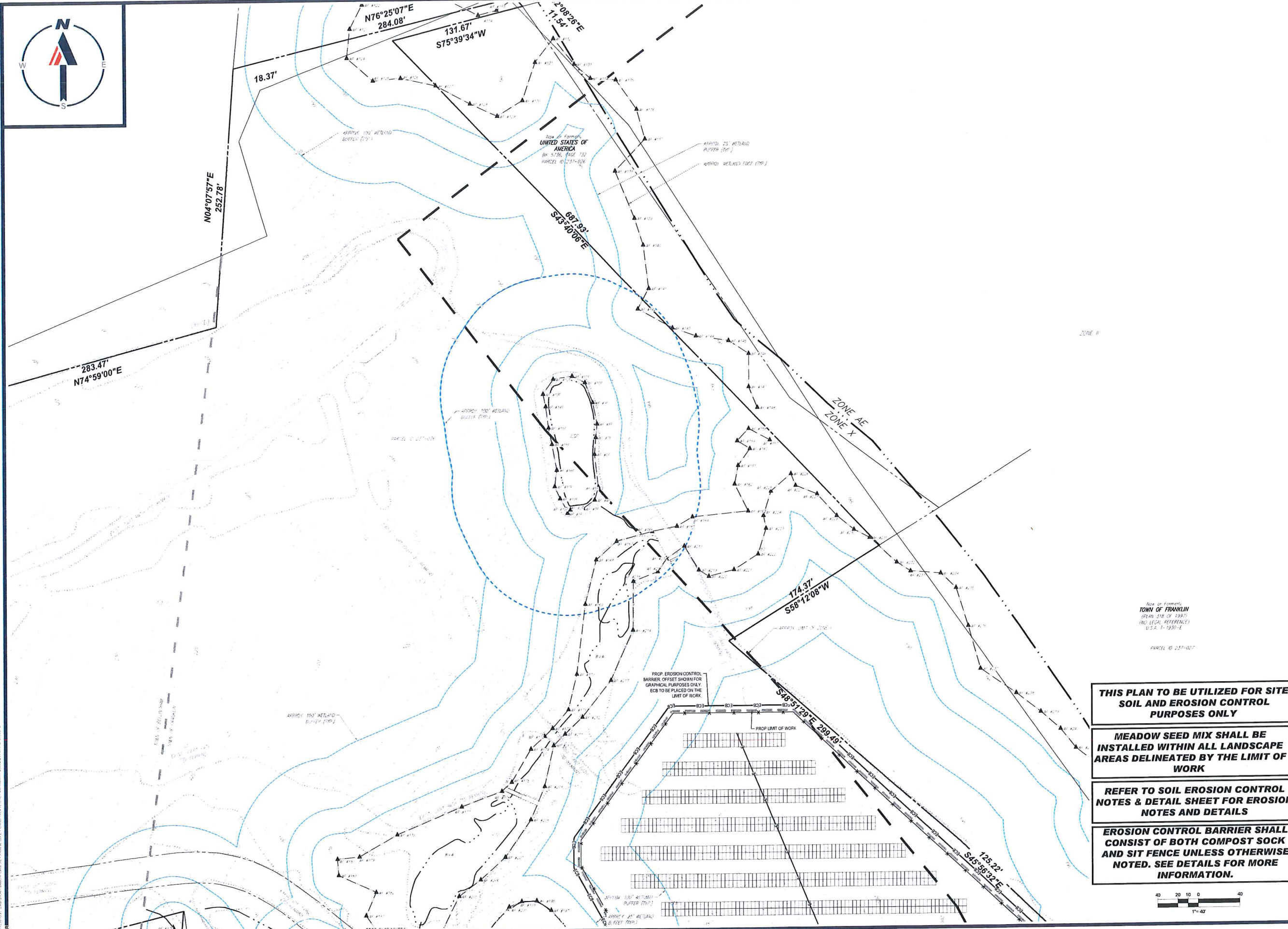
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 PROFESSIONAL ENGINEER
 MASSACHUSETTS REG. NO. 11530
 NEW HAMPSHIRE REG. NO. 15476
 CONNECTICUT REG. NO. 26177
 RHODE ISLAND LICENSE NO. 3616
 MAINE LICENSE NO. 12553

SHEET TITLE:
SOIL EROSION & SEDIMENT CONTROL PLAN A
 SHEET NUMBER:
C-602
 ORG. DATE - 04/13/2023



- 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.**





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 CHECKED BY: D
 DATE: 04/13/2023
 CAD LD.: W201257-EROS-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 239-010160 MAPLE STREET,
 TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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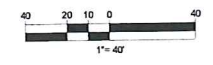
MEADOW SEED MIX SHALL BE INSTALLED WITHIN ALL LANDSCAPE AREAS DELINEATED BY THE LIMIT OF WORK

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.

J.A. KUOACH
 JOHN A. KUOACH
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 NEW HAMPSHIRE REG. NO. 15176
 RHODE ISLAND LICENSE NO. 9177
 MAINE LICENSE NO. 12553

SHEET TITLE:
SOIL EROSION & SEDIMENT CONTROL PLAN B
 SHEET NUMBER:
C-603



ORG. DATE - 04/13/2023



PROP. DUST CONTROL
ALONG THE EXIST.
CESS ROAD

S88°10'06"W
151.97'

403.68'
S75°57'08"W

LMP
PROPERTIES,
LLC

LMP PROPERTIES, LLC

616.23'
N04°40'53"E

N89°28'44"W
115.74'

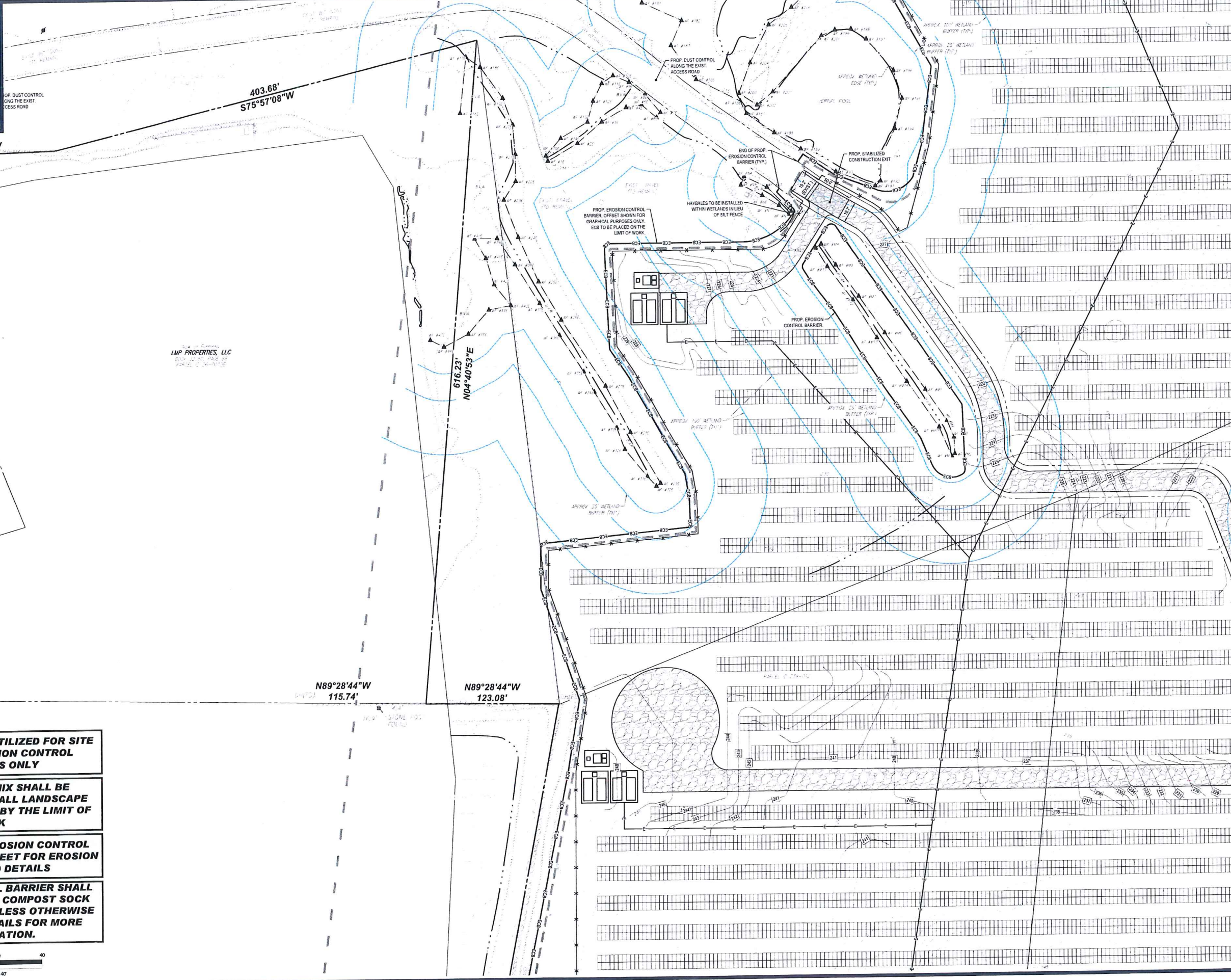
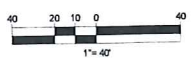
N89°28'44"W
123.08'

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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.**



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PROJECT No.: W201257
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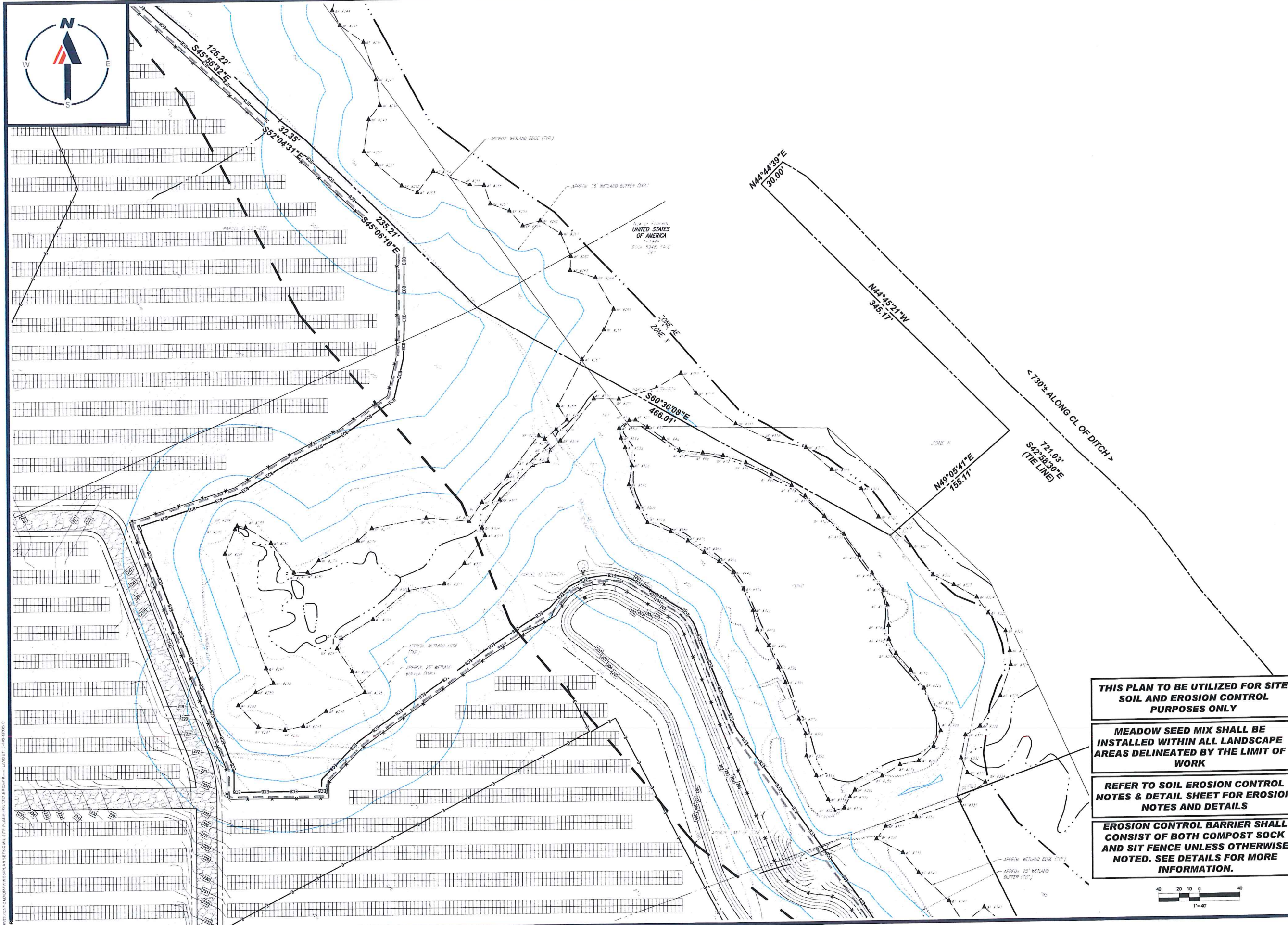
PROJECT:
**PROPOSED SITE
PLAN DOCUMENTS**
FOR
**NEXTGRID
MESCALBEAN LLC**
PROPOSED
SOLAR FARM
LOTS INCLUDED (PARCEL #): 239-009, F
239-010, G 239-010, H 239-010, I 239-010,
239-012, 237-36-37, 237-36, E 239-010,
PORTION OF G 239-010 1600 MAPLE
STREET,
TOWN OF BELLINGHAM & FRANKLIN,
NORFOLK COUNTY, MASSACHUSETTS

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MAINE LICENSE NO. 12553

SHEET TITLE:
**SOIL EROSION
& SEDIMENT
CONTROL
PLAN C**
SHEET NUMBER:
C-604

ORG. DATE - 04/13/2023



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

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, 237-38, E 239-010, PORTION OF G 239-010 160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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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

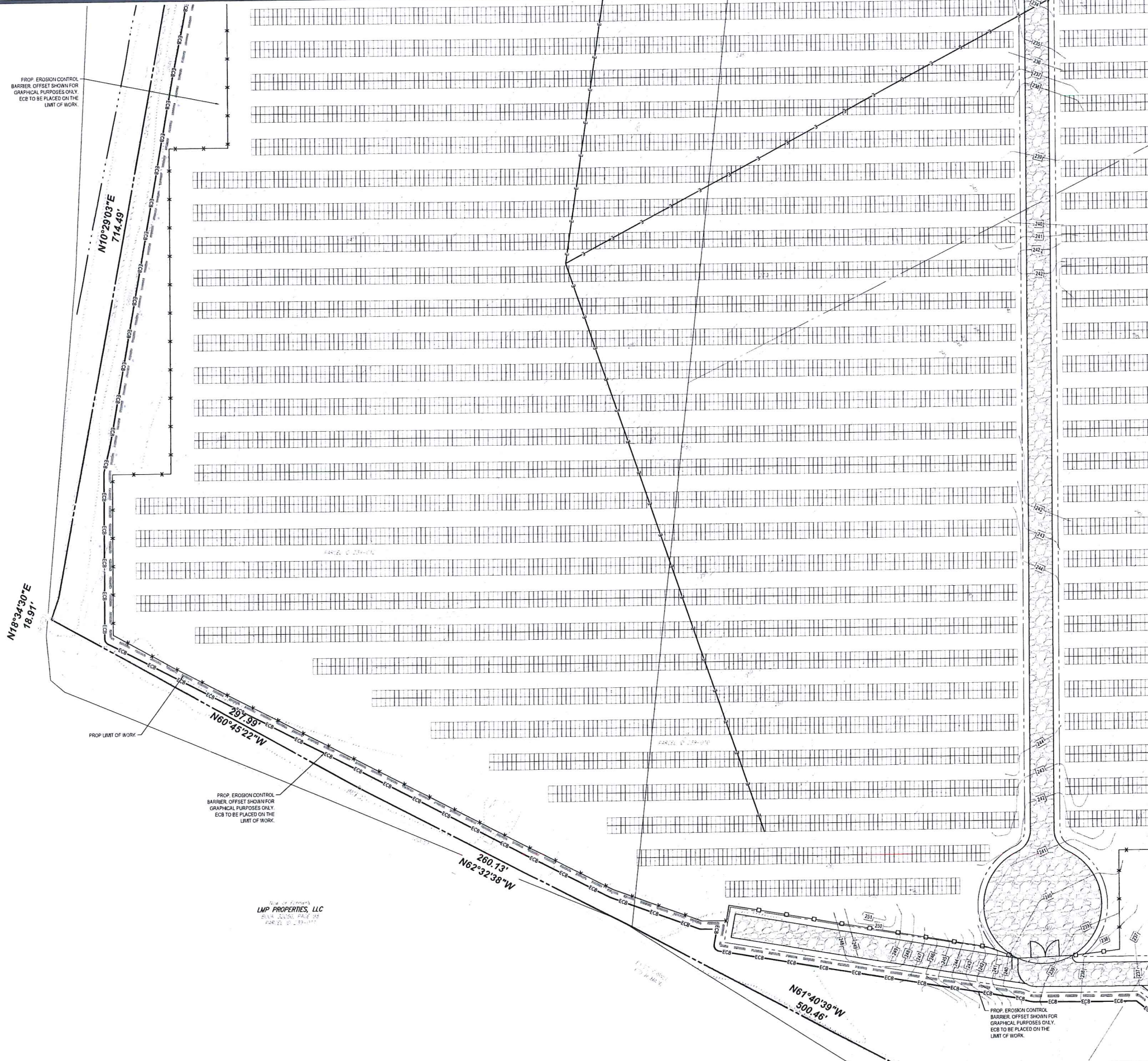
EROSION CONTROL BARRIER SHALL CONSIST OF BOTH COMPOST SOCK AND SIT FENCE UNLESS OTHERWISE NOTED. SEE DETAILS FOR MORE INFORMATION.



SHEET TITLE:
SOIL EROSION & SEDIMENT CONTROL PLAN D
 SHEET NUMBER:
C-605
 ORG. DATE - 04/13/2023



LMP PROPERTIES, LLC



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

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

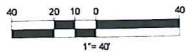
PROP. EROSION CONTROL BARRIER, OFFSET SHOWN FOR GRAPHICAL PURPOSES ONLY. ECB TO BE PLACED ON THE LIMIT OF WORK.

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PROJECT No.: W201257
DRAWN BY: EVD / CAC / OCB
CHECKED BY: STREET GD
DATE: 04/13/2023
CAD LD.: W201257-ER05-0A

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 239-010160 MAPLE STREET,

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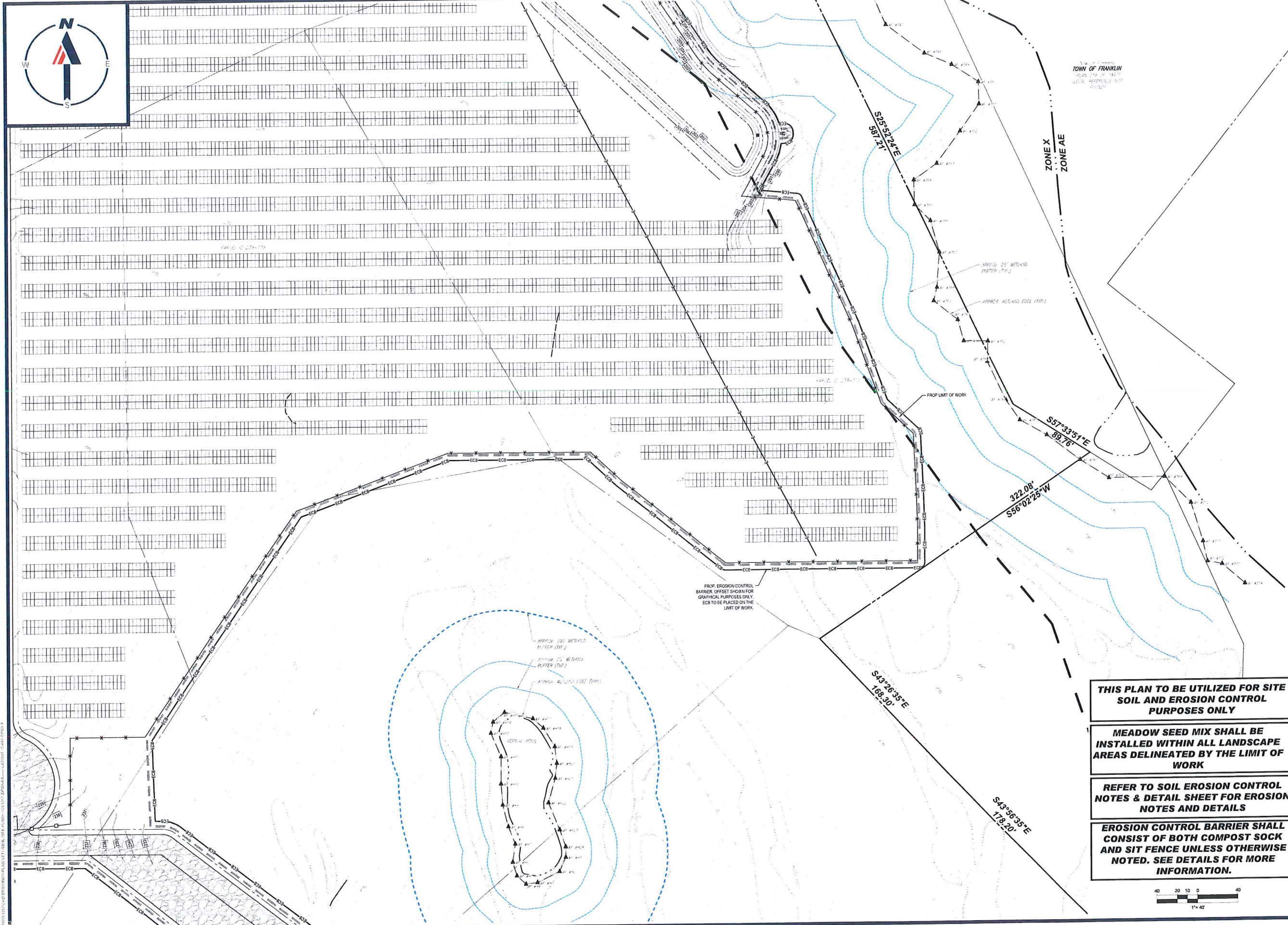
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RHODE ISLAND LICENSE No. 2616
MARIAN LICENSE No. 12553

SHEET TITLE:
SOIL EROSION & SEDIMENT CONTROL PLAN E

SHEET NUMBER:
C-606

ORG. DATE - 04/13/2023

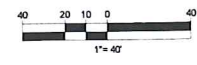


THIS PLAN TO BE UTILIZED FOR SITE SOIL AND EROSION CONTROL PURPOSES ONLY

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.



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PROJECT No.: W201257
 DRAWN BY: EVD / CMC / OGR
 CHECKED BY: GO
 DATE: 04/13/2023
 CAD LD.: W201257-EROS-0A

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 239-010160 MAPLE STREET,
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 MAINE LICENSE NO. 12553

SHEET TITLE:
SOIL EROSION & SEDIMENT CONTROL PLAN F
 SHEET NUMBER:
C-607

ORG. DATE - 04/13/2023

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 6%.
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. 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 AREA 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 TESTING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 800 LB PER ACRE OR 18.4 LB PER 1,000 SF USING 10-20-20 OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB PER 1,000 SF).
 - 10.3. FOLLOWS BEEBEE PREPARATION, DITCHES AND BACK SLOPES WILL BE SEED TO A MIXTURE OF 47% CREEPING RED FESCUE, 5% REDTOP, AND 48% TALL FESCUE. THE LAWN AREAS WILL BE SEED TO A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUEGRASS, 44% CREEPING RED 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 PREPARED.
 - 10.4. STRAW MULCH AT THE RATE OF 70-80 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)
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 EXCELISOR 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 1,000 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 REGRABBED TO PREVENT FURTHER EROSION AND PROMOTE INFILTRATION. AID 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 LOADED, FINAL GRADED AND IS SMOOTH, 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 WORK HAS CEASED FOR MORE THAN 14 DAYS UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF SEDIMENT BARRIERS OR STAKE 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 3M FOR SLOPE EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 6%.
 - 26.3. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15%, AFTER OCTOBER 15TH THE SAME APPLIES FOR ALL SLOPES GREATER THAN 6%.
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 EDGE FAMILIARITY WITH ALL OF THE GENERAL NOTES AND ALL OF THE PLANS. SPECIFIC NOTES TO THIS PROJECT MUST BE INCLUDED AS PART OF THIS DOCUMENT PACKAGE.
2. EROSION CONTROL MEASURES MUST CONFORM TO THE STATE, LOCAL, AND FEDERAL GUIDELINES FOR URBAN EROSION AND SEDIMENT 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 FENCES AND/OR SILT SOCK AROUND ALL OF THE DOWN-SLOPE 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 DOWN-SLOPE 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'S 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 MANAGEMENT PRACTICES.
8. THE CONTRACTOR MUST INSTALL ADDITIONAL EROSION CONTROL MEASURES IF ENGINEER SO REQUIRES TO PREVENT ANY, INCLUDING THE INCIDENTAL DISCHARGE OF SILT, ADEN RUNOFF FROM EXISTING SITE.
9. THE CONTRACTOR MUST BE RESPONSIBLE FOR INSPECTING AND MAINTAINING ALL EROSION CONTROL MEASURES ON THE SITE UNTIL PERMANENT PAVING AND TURF/LANDSCAPING 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 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, LOADED RUNOFF FROM EXISTING 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 DEVICES 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.

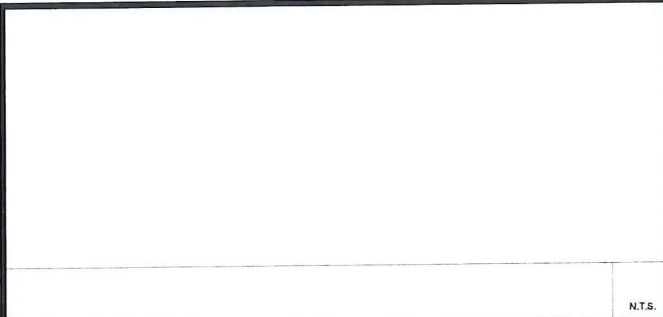
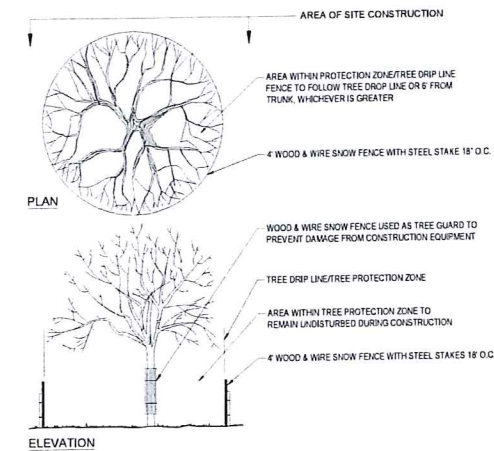
- THE FOLLOWING CONSTRUCTION SEQUENCE IS RECOMMENDED:
- INSTALLATION OF STABILIZED CONSTRUCTION ENTRANCE/EXIT (AS SHOWN)
 - INSTALLATION OF EROSION CONTROL BARRIER (STRAW BALES AND SILT FENCE) (AS SHOWN)
 - INSTALLATION OF INLET PROTECTION IN STREET (AS SHOWN)
 - DEMOLITION OF EXISTING SITE STRUCTURES (SEE DEMOLITION PLAN)
 - CLEARING AND GRUBBING
 - INSTALLATION OF TEMPORARY SWALES AND SEDIMENT BASINS
 - EARTHWORK AND EXCAVATION/FILLING AS NECESSARY
 - CONSTRUCTION OF UTILITIES
 - STABILIZE PERMANENT LAWN AREAS AND SLOPES WITH TEMPORARY SEEDING
 - INSTALLATION OF INLET PROTECTION OF ON-SITE UTILITIES (AS SHOWN)
 - CONSTRUCTION OF BUILDINGS
 - CONSTRUCTION OF ALL CURBING AND LANDSCAPE ISLANDS AS INDICATED ON THE PLANS
 - 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
 - PAVE PARKING LOT
 - LANDSCAPING PER LANDSCAPING PLAN
 - REMOVE EROSION CONTROLS AS DISTURBED AREAS BECOME STABILIZED TO 70% STABILIZATION OR GREATER

RECOMMENDED CONSTRUCTION SEQUENCE

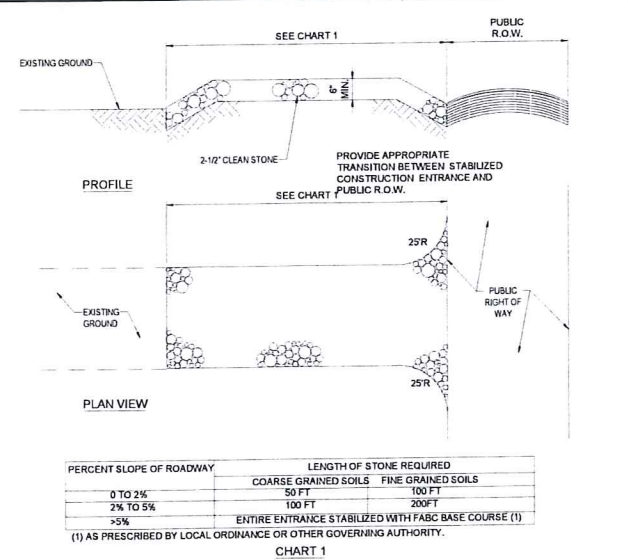
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TREE PROTECTION DURING SITE CONSTRUCTION

N.T.S.



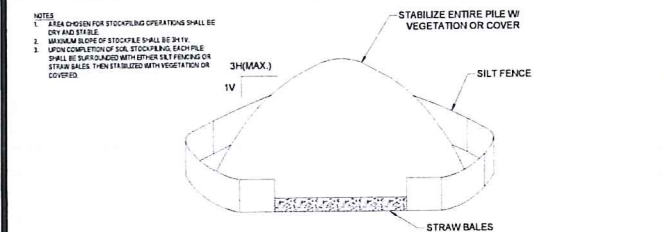
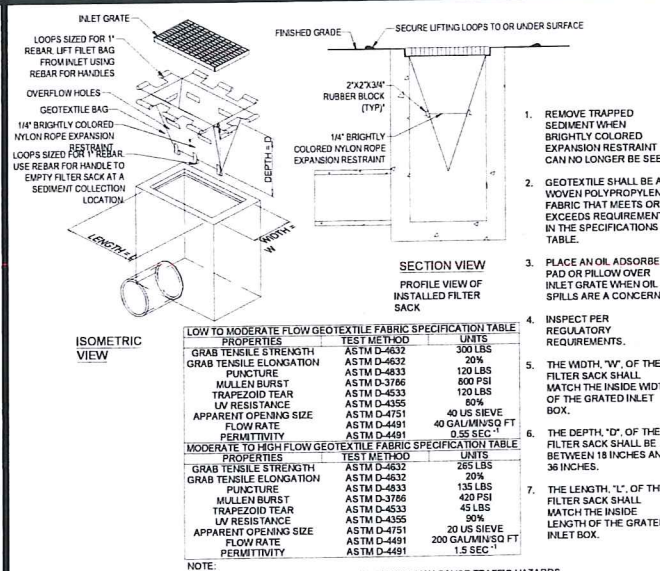
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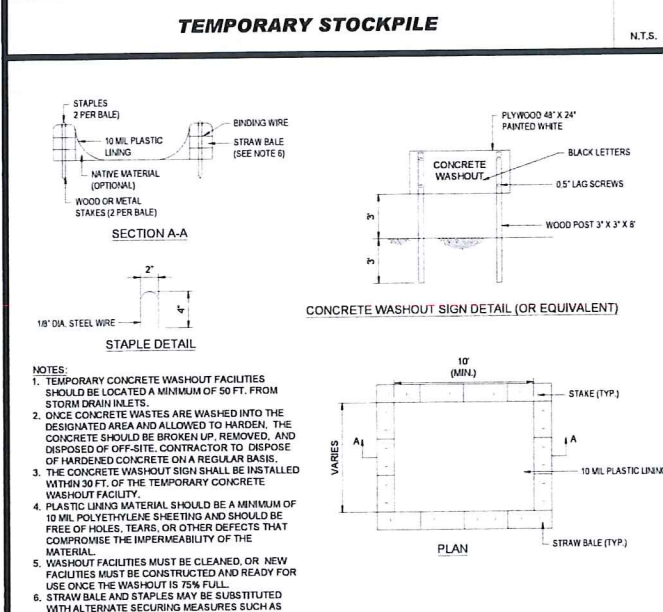
N.T.S.

DEWATERING GEOTEXTILE FILTER BAG DETAIL

N.T.S.



N.T.S.



N.T.S.

EROSION CONTROL BLANKET 2:1 SLOPES (SLOPE INSTALLATION)

N.T.S.

FILTER SACS (GRATED INLETS)

N.T.S.

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PROJECT NO: W201257
DRAWN BY: EVD / CMC / OGR
CHECKED BY: GD
DATE: 04/13/2023
CAD ID: W201257-0205-2A

PROPOSED SITE PLAN DOCUMENTS

FOR
NEXTGRID MESCALBEAN LLC
PROPOSED SOLAR FARM

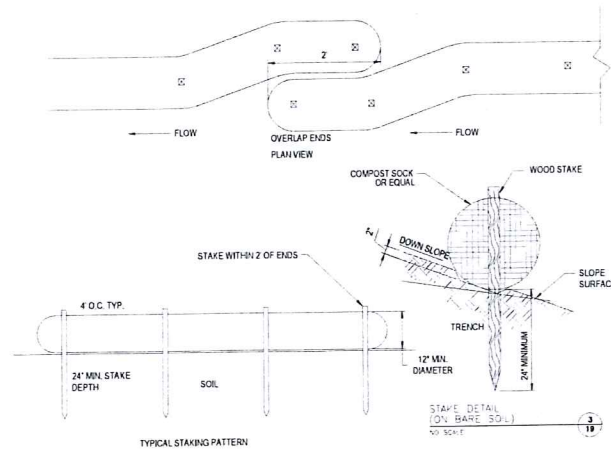
LOTS INCLUDED (PARCEL #): 239-009, F 239-010, G 239-010, H 239-010, I 239-010, J 239-012, 237-36-37, 237-36, E 239-010, PORTION OF D 239-010 160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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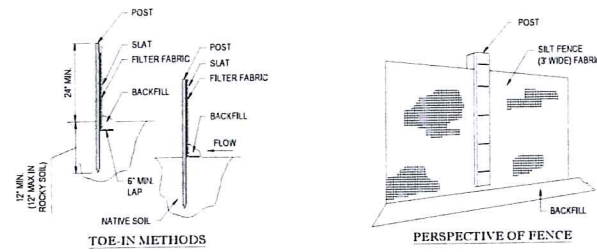
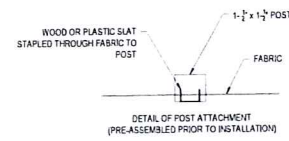
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REGISTERED PROFESSIONAL ENGINEER
MASSACHUSETTS REG. NO. 11930
NEW HAMPSHIRE REG. NO. 14476
CONNECTICUT REG. NO. 26177
RHODE ISLAND REG. NO. 2616
MAINE LICENSE NO. 12553

SHEET TITLE:
EROSION & SEDIMENT CONTROL NOTES & DETAILS
SHEET NUMBER:
C-608
ORG. DATE - 04/13/2023

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



COMPOST SOCK



SILT FENCE

- INSTALLATION**
1. EXCAVATE A 6"x 6" TRENCH ALONG THE LINE OF EROSION CONTROL OF THE SITE.
 2. UNROLL SILTATION FENCE AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM FLOW DIRECTION).
 3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS LAYING ACROSS THE TRENCH BOTTOM.
 4. LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP. SOIL TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING FABRIC FLAP ON UNDISTURBED GROUND AND PILING & TAMPING FILL AT THE BASE.
 5. COMBINATION OF COMPOST SOCK AND SILT FENCE SHALL BE USED AS NOTED ON THE PLAN.
 6. WIRE BACK SILT FENCE TO BE USED IN AREAS WITHIN 50 FOOT NET AND BUTTER. SEE DETAIL (THIS SHEET).

EROSION CONTROL BARRIER (ECB) DETAIL

N.T.S.

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 CHECKED BY: GD
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 CAD LD.: W201257-ERDS-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 239-010160 MAPLE STREET.

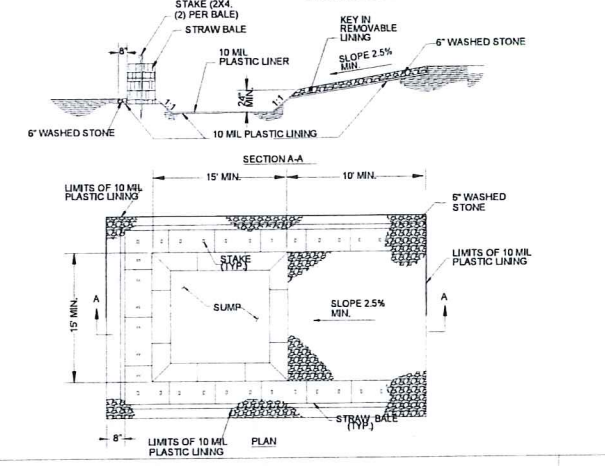
TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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 NEW HAMPSHIRE REG. NO. 15476
 CONNECTICUT REG. NO. 76177
 RHODE ISLAND LICENSE No. 9616
 MAINE LICENSE No. 22553

SHEET TITLE:
EROSION & SEDIMENT CONTROL NOTES & DETAILS
 SHEET NUMBER:
C-609
 ORG. DATE - 04/13/2023

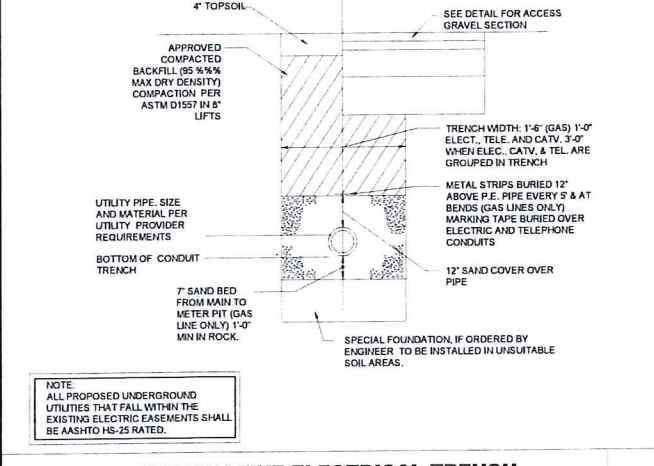
- NOTES:
- PIT IS SPECIFICALLY DESIGNATED, DINED AND IMPROVED FACILITY SHALL NOT BE FILLED BEYOND 85% CAPACITY CONTAINING TO PREVENT CONTACT BETWEEN CONCRETE UNLESS A NEW UTILITY IS CONSTRUCTED.
 - WASH WATER SHALL NOT BE ALLOWED TO FLOW TO SURFACE. EXCESS WASH WATER TO BE DISPOSED OF IN THE PIT.
 - FACILITY MUST HOLD SUFFICIENT VOLUME TO CONTAIN CONCRETE WASTE WITH A MINIMUM FREEBOARD OF 12".
 - MINIMUM 2" RIB CONCRETE WASHOUT AREA SHALL NOT BE REMOVED FROM THE SITE WHEN 95% FULL CAPACITY.
 - SAW CUT PORTLAND CEMENT CONCRETE RESIDUE FROM AROUND & GRINDING TO BE DISPOSED OF IN THE PIT.
 - DEBRIS FROM THE VEHICLE WASH AREA SHALL NOT BE DISPOSED OF IN THE WASHOUT AREA. ALL DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE COUNTY, STATE AND FEDERAL LAWS AND APPLICABLE CODES.



CONCRETE WASHOUT DETAIL

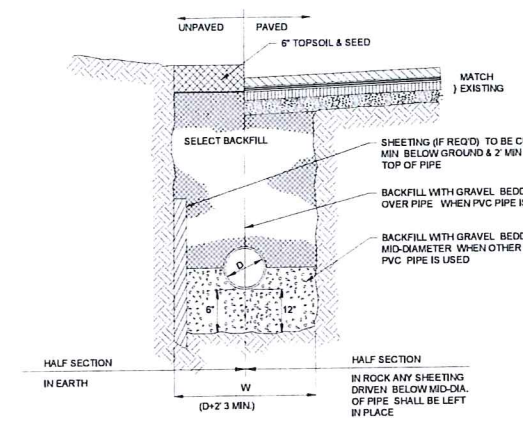
N.T.S.

- 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.



TYPICAL UTILITY TRENCH

N.T.S.

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 DRAWN BY: EVD/CVC/OCR
 CHECKED BY: STREET/GD
 DATE: 04/13/2023
 CAD I.D.: W201257-SPPD-0A-DTL

PROPOSED SITE PLAN DOCUMENTS

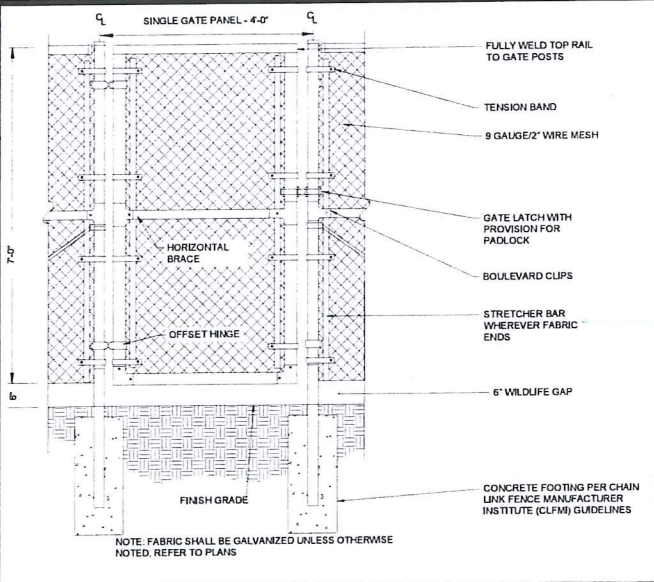
FOR
NEXTGRID MESCALBEAN LLC
 PROPOSED SOLAR FARM

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 239-010180 MAPLE STREET

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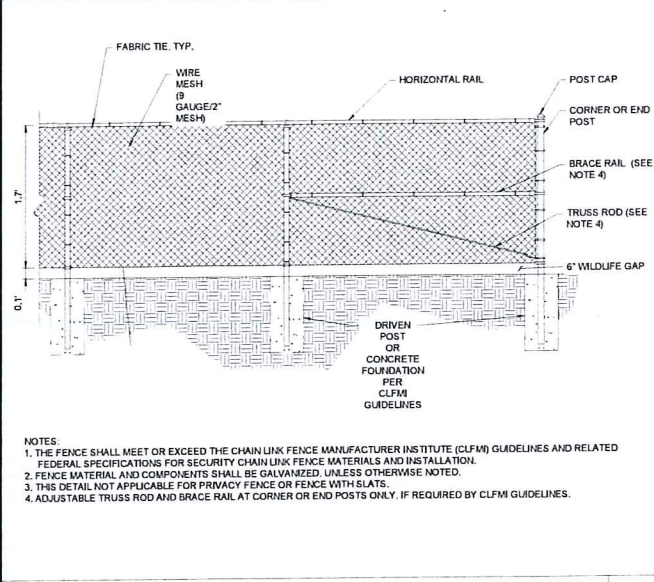
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 PROFESSIONAL ENGINEER
 MASS. REG. NO. 11530
 NEW HAMPSHIRE REG. NO. 15478
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SHEET TITLE:
DETAIL SHEET
 SHEET NUMBER:
C-902
 ORG. DATE - 04/13/2023



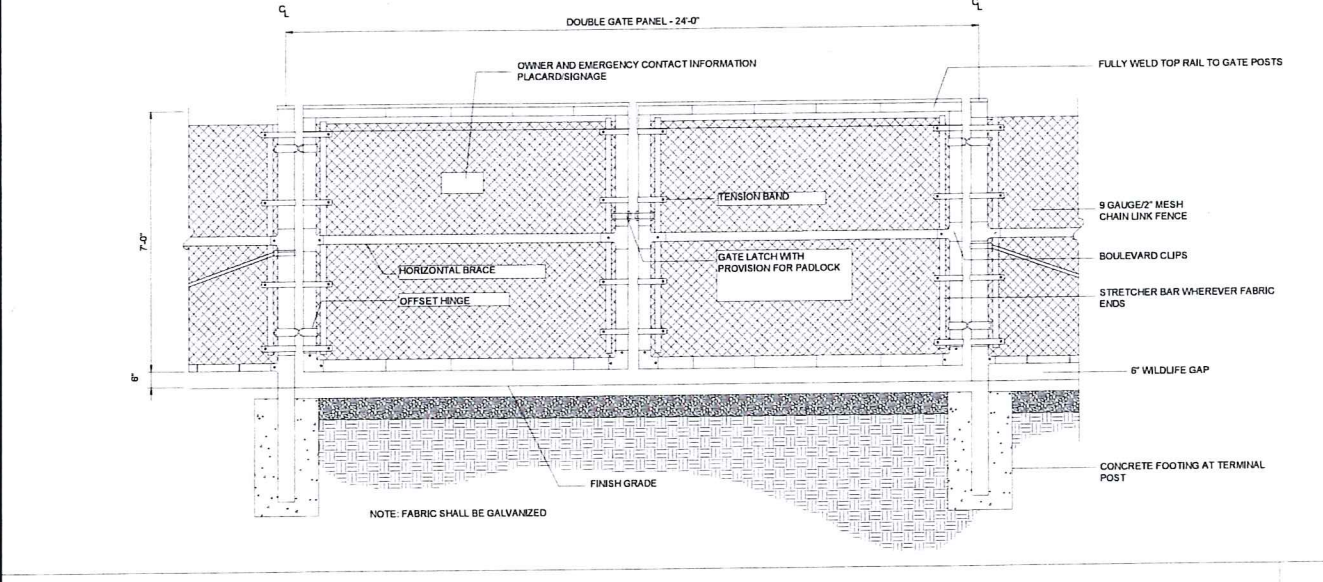
7' ACCESS GATE WITH WILDLIFE GAP

N.T.S.



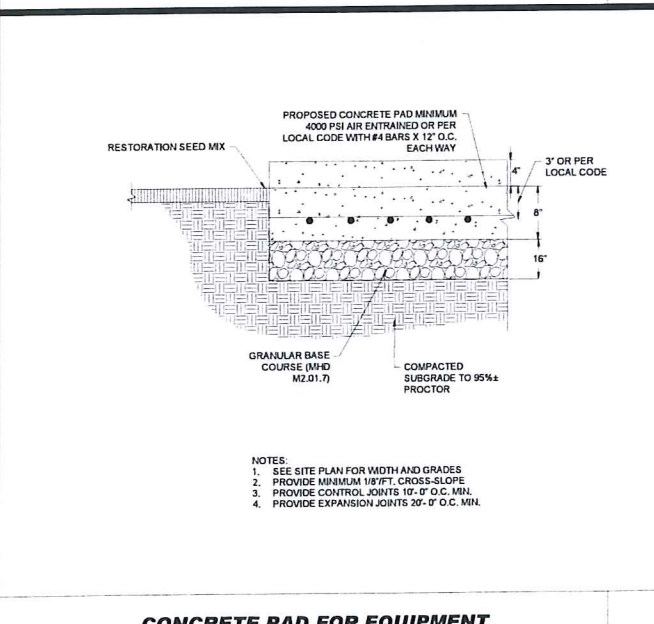
7' CHAIN LINK FENCE WITH WILDLIFE GAP

N.T.S.



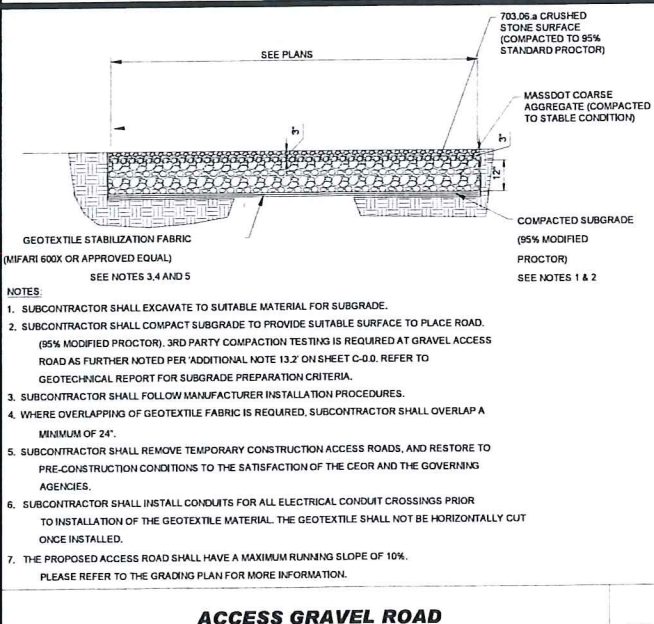
24' WIDE DOUBLE SWING GATE WITH WILDLIFE GAP

N.T.S.



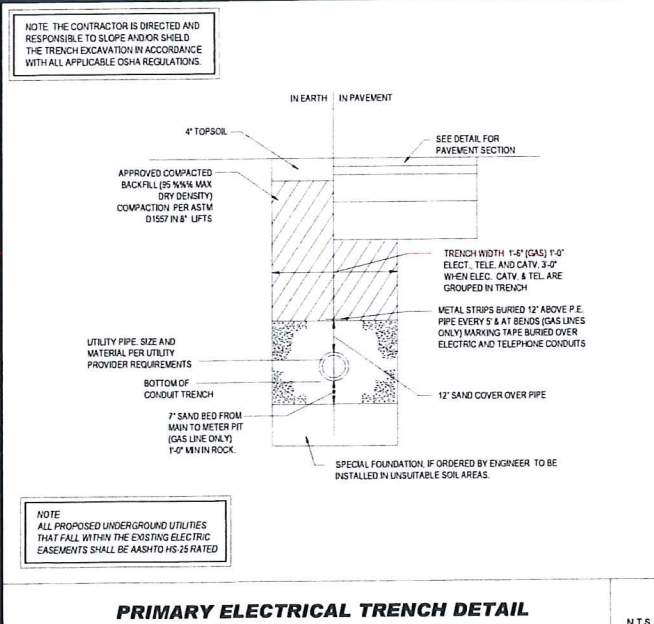
CONCRETE PAD FOR EQUIPMENT

N.T.S.



ACCESS GRAVEL ROAD

N.T.S.



PRIMARY ELECTRICAL TRENCH DETAIL

N.T.S.

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PROJECT No.: W201257
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 CHECKED BY: GD
 DATE: 04/13/2023
 CAD LD.: W201257-SPPD-0A-DTL

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 239-010 160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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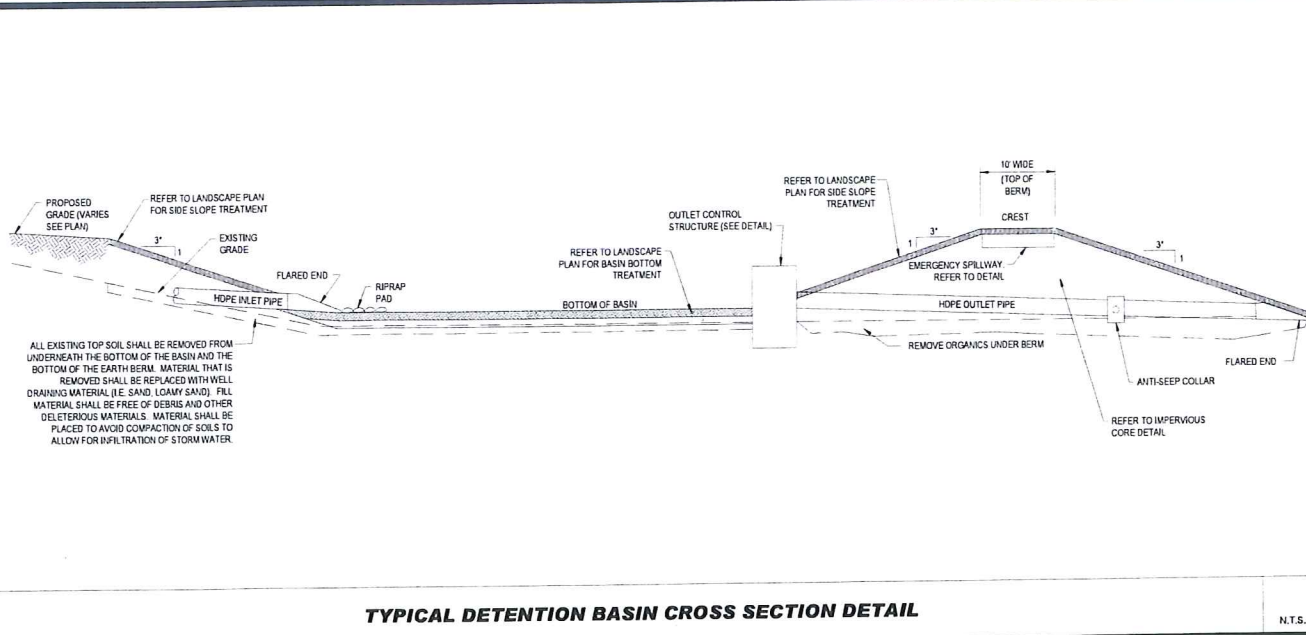


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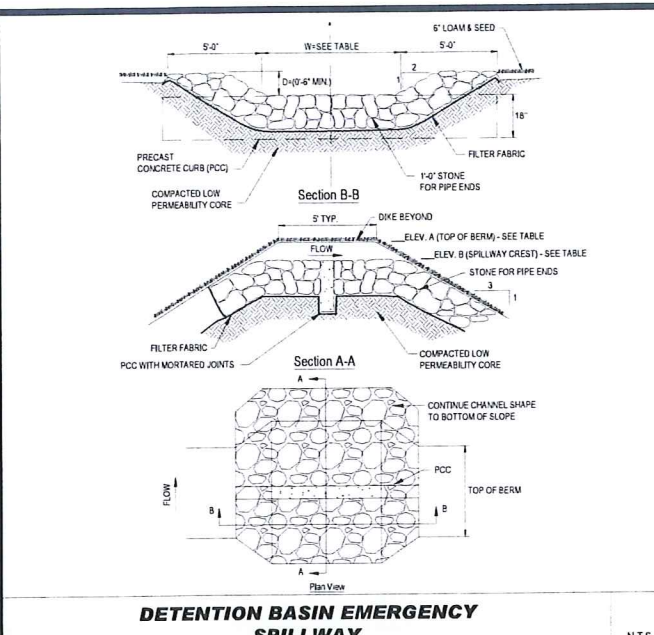
DETAIL SHEET

SHEET NUMBER:
C-902

ORG. DATE - 04/13/2023

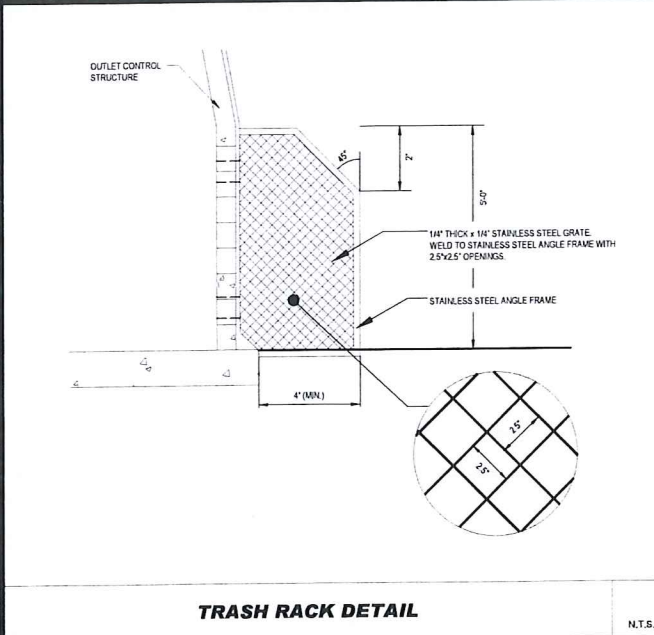


TYPICAL DETENTION BASIN CROSS SECTION DETAIL



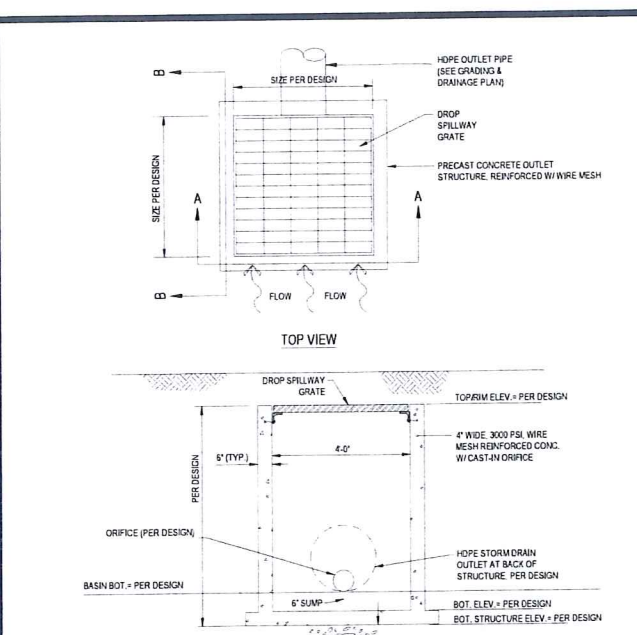
DETENTION BASIN EMERGENCY SPILLWAY

N.T.S.



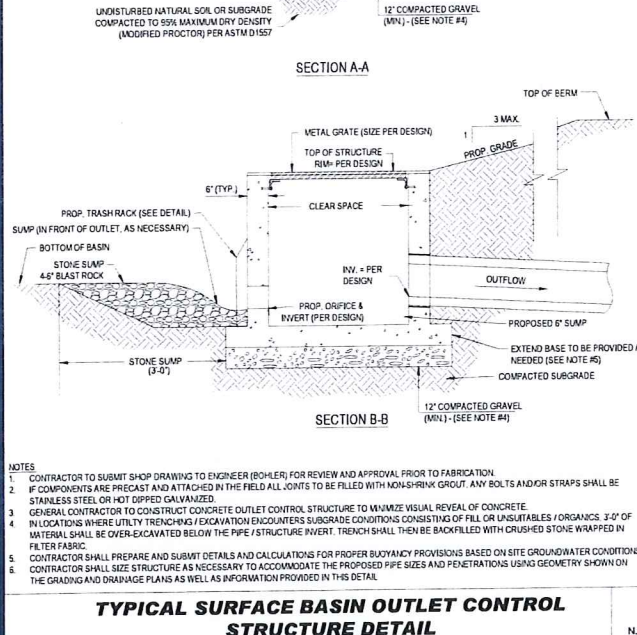
TRASH RACK DETAIL

N.T.S.

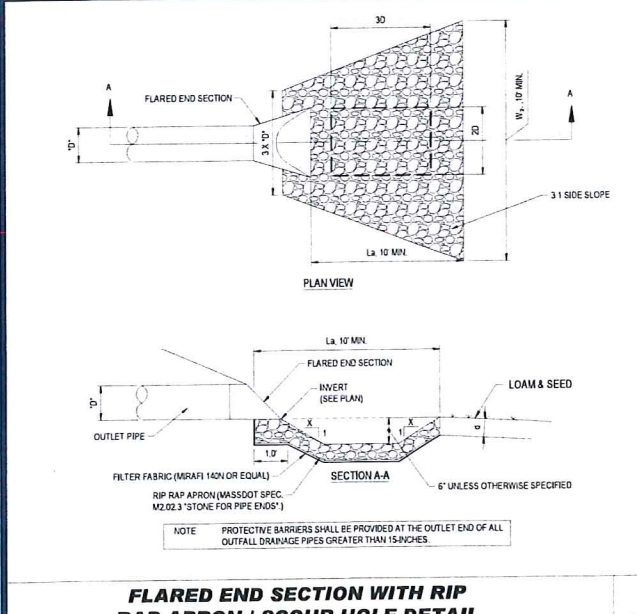


TYPICAL SURFACE BASIN OUTLET CONTROL STRUCTURE DETAIL

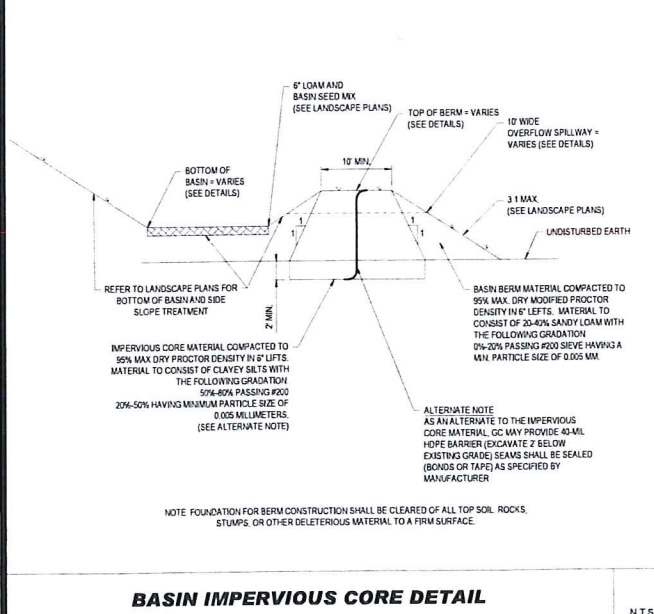
N.T.S.



- NOTES
- CONTRACTOR TO SUBMIT SHOP DRAWING TO ENGINEER (BOHLER) FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
 - 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.
 - GENERAL CONTRACTOR TO CONSTRUCT CONCRETE OUTLET CONTROL STRUCTURE TO MINIMIZE VISUAL REVEAL OF CONCRETE.
 - IN LOCATIONS WHERE UTILITY TRENCHING / EXCAVATION EXISTING SUBGRADE CONDITIONS CONSISTING OF FILL OR UNSUITABLES / ORGANICS, 3'-0" OF MATERIAL SHALL BE OVER-EXCAVATED BELOW THE PIPE / STRUCTURE INVERT. TRENCH SHALL THEN BE BACKFILLED WITH CRUSHED STONE WRAPPED IN FILTER FABRIC.
 - CONTRACTOR SHALL PREPARE AND SUBMIT DETAILS AND CALCULATIONS FOR PROPER BIODIAPHRY PROVISIONS BASED ON SITE GROUNDWATER CONDITIONS.
 - 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.



FLARED END SECTION WITH RIP RAP APRON / SCOUR HOLE DETAIL



BASIN IMPERVIOUS CORE DETAIL

N.T.S.

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Three-Phase Transformers
CA202003EN

Effective April 2016
Supersedes 210-12 July 2015

COOPER POWER SERIES

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 Franklin, Wisconsin. Our revolutionary products include distribution-class UltraSIL™ Polymer-Encapsulated Voltage Surge Arresters and Envirotemp™ FR3™ fluid have been developed at our Franklin site.

With transformer sizes ranging from 45 kVA to 12 MVA and high voltages ranging from 2400 V to 48 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, excitation transformers, 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 non-flammable and biodegradable fluid. Electrical codes recognize the advantages of using Envirotemp™ FR3™ fluid both indoors and outdoors for fire sensitive applications. The biodegradable fluid meets Occupational Safety and Health Administration (OSHA) and Section 450.23 NEC Requirements.



Catalog Data CA202003EN
Effective April 2016

Three-phase pad-mounted compartmental type transformer

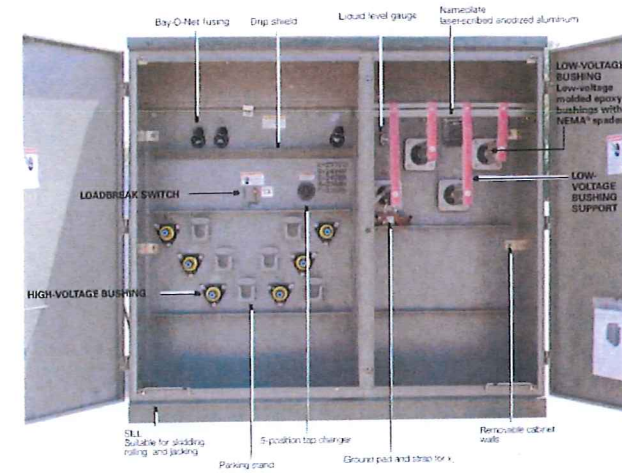


Figure 1. Three-phase pad-mounted compartmental type transformer.

Table 1. Product Scope

Type	Three phase, 50 or 60 Hz, 60 C (F) or 60 C (50 C) 60/70 C (F) C
Fluid Type	Mineral oil or Envirotemp™ FR3™ fluid
Coil Configuration	2 winding or 3 winding or 3 winding (Low-High-Low, 3 winding High-Low-High)
Size	45 - 10,000 kVA
Primary Voltage	2,400 - 48,000 V
Secondary Voltage	200V, 120 V to 11,400 V
Specialty Designs	Inverter, Rectifier Bridge, K Factor, 4 K, 10, Vacuum fault interrupter (VFI), UL™ Listed 50 kV rated bus, Dielectric, Fusion Moulded (FM) Approved, Safety Word Emerging, Differential Protection, Seismic Applications (Including ODP), Hardened Gas Center

www.eaton.com/cooperpowerseries

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, 450, 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		
	< 400 V	2400 Δ through 4800 Δ	6900 Δ through 13800V/7970 or 13800 Δ
45-75	7.75-5.75	7.75-5.75	7.75-5.75
112.5-500	8.10-5.75	8.10-5.75	8.10-5.75
750-2500	9.75	4.25-5.75	4.85-5.75
3000	5.75	3.25	6.50
7500		5.00	6.50

Note: The standard impedance is a 7.5%.

Table 4. Audible Sound Levels

Self-Cooled, Two-Winding kVA Rating	NEMA™ Tm-1 Average	
	Decibels (dB)	dB(A)
45-250	52	55
500-750	57	60
750-1000	58	61
1200-1500	60	63
1500-2000	61	64
2000-2500	62	65
2500-3000	63	66
3000-4000	64	67
4000-5000	65	68
5000-6000	66	69
6000-7500	67	70
7500-10000	68	71

Table 5. Insulation Test Levels

KV Class	Induced Test 100 or 400 Hz 7200 Cycles		Applied Test 60 Hz (kV)
	SV BIL Distribution	SV BIL Distribution	
1.2	31	15	15
2.5	32	16	16
5	33	17	17
8.7	34	18	18
15	35	19	19
25	36	20	20
34.5	37	21	21

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

Use Rating (Temperature Rise Winding)	Standard		Optional
	Standard	Optional	
Ambient Temperature Max	40 C	55 C, 55.55 C, 75 C	
Ambient Temperature 24 Hour Average	40 C	40 C	
Temperature Rise Hotspot	40 C	65 C	

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Catalog Data CA202003EN
Effective April 2016

Three-phase pad-mounted compartmental type transformer

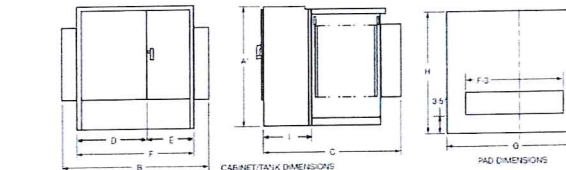


Figure 2. Transformer and pad dimensions

Note: All dimensions are in inches.

Table 7. Fluid-filled - aluminum windings 55/65 °C Rise*

kVA Rating	OUTLINE DIMENSIONS (in.)										Gallons of Fluid	Approx. Total Weight (lbs)
	A	B	C	D	E	F	G	H	I	J		
45	30	48	28	42	25	65	72	43	30	175	2.250	2,250
75	30	48	28	42	25	65	72	43	30	175	2.250	2,250
112.5	30	48	28	42	25	65	72	43	30	175	2.250	2,250
150	30	48	28	42	25	65	72	43	30	175	2.250	2,250
225	30	48	28	42	25	65	72	43	30	175	2.250	2,250
300	30	48	28	42	25	65	72	43	30	175	2.250	2,250
450	30	48	28	42	25	65	72	43	30	175	2.250	2,250
750	30	48	28	42	25	65	72	43	30	175	2.250	2,250
1000	30	48	28	42	25	65	72	43	30	175	2.250	2,250
1500	30	48	28	42	25	65	72	43	30	175	2.250	2,250
2000	30	48	28	42	25	65	72	43	30	175	2.250	2,250
2500	30	48	28	42	25	65	72	43	30	175	2.250	2,250
3000	30	48	28	42	25	65	72	43	30	175	2.250	2,250
3750	30	48	28	42	25	65	72	43	30	175	2.250	2,250
5000	30	48	28	42	25	65	72	43	30	175	2.250	2,250
7500	30	48	28	42	25	65	72	43	30	175	2.250	2,250

* All weights, gallons of fluid, and dimensions are for reference only and not for construction. Please contact Eaton for exact dimensions.

* See 2" for Bay-O-Net fusing.

Table 8. Fluid-filled - Copper Windings 55/65 °C Rise*

kVA Rating	OUTLINE DIMENSIONS (in.)										Gallons of Fluid	Approx. Total Weight (lbs)
	A	B	C	D	E	F	G	H	I	J		
45	30	48	28	42	25	65	72	43	30	175	2.250	2,250
75	30	48	28	42	25	65	72	43	30	175	2.250	2,250
112.5	30	48	28	42	25	65	72	43	30	175	2.250	2,250
150	30	48	28	42	25	65	72	43	30	175	2.250	2,250
225	30	48	28	42	25	65	72	43	30	175	2.250	2,250
300	30	48	28	42	25	65	72	43	30	175	2.250	2,250
450	30	48	28	42	25	65	72	43	30	175	2.250	2,250
750	30	48	28	42	25	65	72	43	30	175	2.250	2,250
1000	30	48	28	42	25	65	72	43	30	175	2.250	2,250
1500	30	48	28	42	25	65	72	43	30	175	2.250	2,250
2000	30	48	28	42	25	65	72	43	30	175	2.250	2,250
2500	30	48	28	42	25	65	72	43	30	175	2.250	2,250
3000	30	48	28	42	25	65	72	43	30	175	2.250	2,250
3750	30	48	28	42	25	65	72	43	30	175	2.250	2,250
5000	30	48	28	42	25	65	72	43	30	175	2.250	2,250
7500	30	48	28	42	25	65	72	43	30	175	2.250	2,250

* All weights, gallons of fluid, and dimensions are for reference only and not for construction. Please contact Eaton for exact dimensions.

* See 2" for Bay-O-Net fusing.

www.eaton.com/cooperpowerseries

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REVISIONS

REV	DATE	COMMENT	DRAWN BY

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PROJECT No.: W201257
DRAWN BY: EVD / CMC / OCR
CHECKED BY: GD
DATE: 04/13/2023
CAD LD.: W201257-SPPD-DA-DTL

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 239-010 160 MAPLE STREET, TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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

J.A. KUOCH
JOHN A. KUOCH
REGISTERED PROFESSIONAL ENGINEER
MASSACHUSETTS REG. NO. 15476
NORFOLK COUNTY REG. NO. 28177
REG. NO. 15476
MAINE LICENSE No. 12553

SHEET TITLE:
DETAIL SHEET
SHEET NUMBER:
C-905
ORG. DATE - 04/13/2023

THREE-PHASE PAD-MOUNTED COMPARTMENTAL TYPE TRANSFORMER

N.T.S.

AstroTwin™

Bring the Energy of the Universe

400W~415W

Highly Efficient Mono-Poly PV Module
CHEM2MDD4F-BLK-Semi 118-11



- High Efficiency
- High Power
- High Reliability
- High Durability

Key Features:

- 15% Weight Savings
- High Power Density
- High Reliability
- High Durability
- High Efficiency
- High Power
- High Reliability
- High Durability

For Global Market




CONNECT PV

1500V Disconnect Combiners

ConnectPV products are designed to be clear, compact and easy to install. They are designed to be clear, compact and easy to install. They are designed to be clear, compact and easy to install.

Standard Product Features:

- 1500V, 200A, 4000VA (1000) Limited Power Disconnect
- 1-1/2" NEMA 4X Enclosure
- 6-1/2" Front Panel
- High Safety Assembly
- High Power Density
- High Reliability
- High Durability
- High Efficiency
- High Power
- High Reliability
- High Durability



Product Options:

- 1-1/2" NEMA 4X Enclosure
- 6-1/2" Front Panel
- High Safety Assembly
- High Power Density
- High Reliability
- High Durability
- High Efficiency
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- High Efficiency
- High Power
- High Reliability
- High Durability

CAB1000/AC

Light Duty AC-DC

1000W DC Output



Key Features:


- High Efficiency
- High Power
- High Reliability
- High Durability
- High Efficiency
- High Power
- High Reliability
- High Durability



CAB1000/DC


DC-DC Converter

1000W DC Output



Key Features:


- High Efficiency
- High Power
- High Reliability
- High Durability
- High Efficiency
- High Power
- High Reliability
- High Durability



CAB1000/DC


Bi-directional DC-DC

1000W DC Output



Key Features:

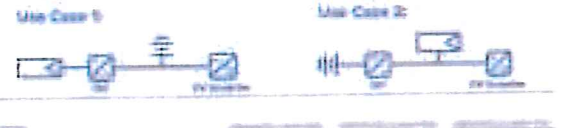
- High Efficiency
- High Power
- High Reliability
- High Durability
- High Efficiency
- High Power
- High Reliability
- High Durability



CAB1000/DC


Bi-directional DC-DC

1000W DC Output



Key Features:

- High Efficiency
- High Power
- High Reliability
- High Durability
- High Efficiency
- High Power
- High Reliability
- High Durability



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REVISIONS

REV	DATE	COMMENT	DRAWN BY	CHECKED BY

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

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 239-010 160 MAPLE STREET.

TOWN OF BELLINGHAM & FRANKLIN, NORFOLK COUNTY, MASSACHUSETTS

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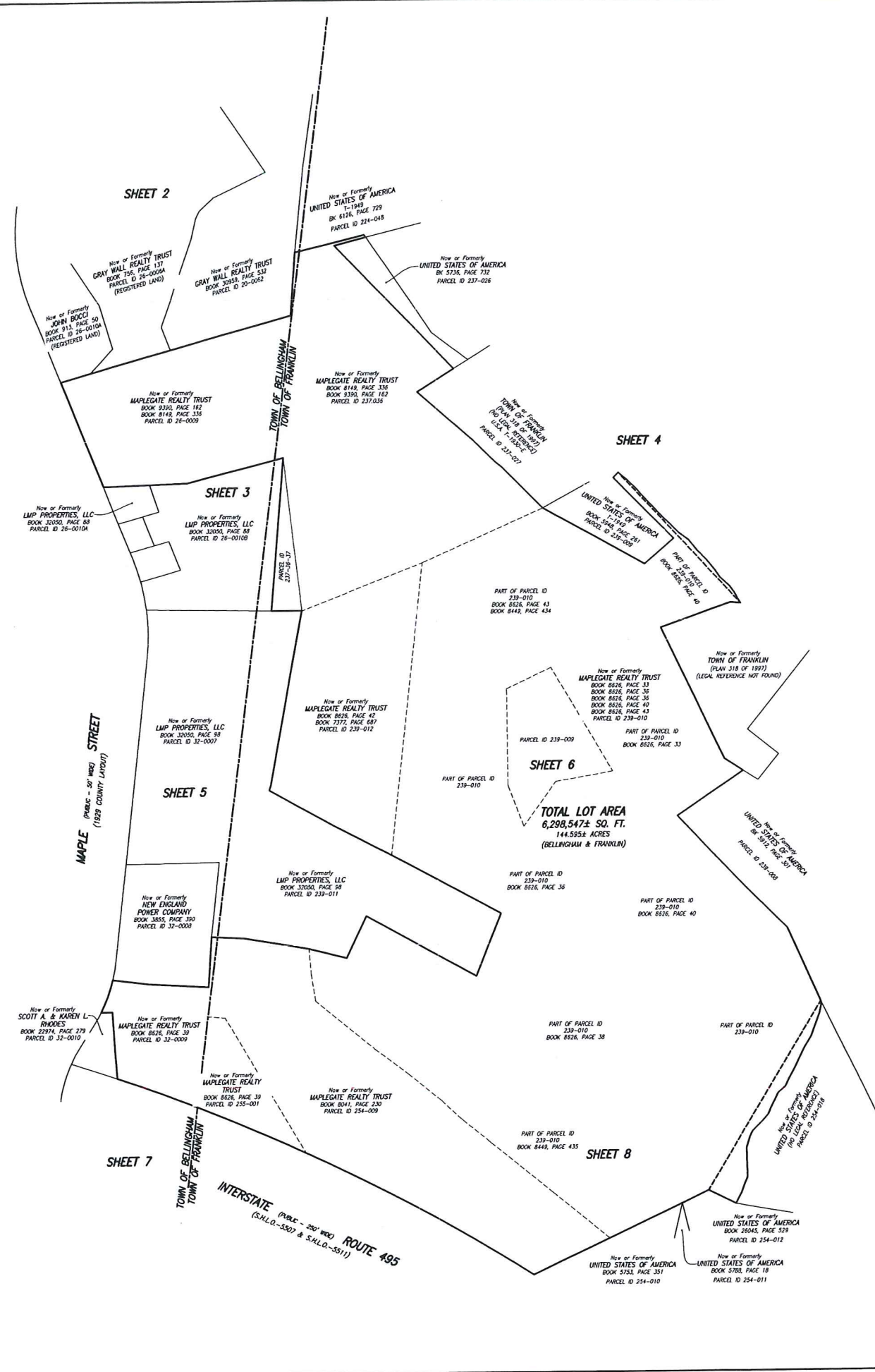
352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
www.BohlerEngineering.com



SHEET TITLE:
DETAIL SHEET

SHEET NUMBER:
C-906

ORG. DATE - 04/13/2023

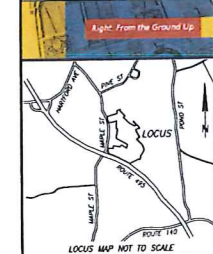


- NOTES:**
- 1) BENCH MARK INFORMATION
ELEVATIONS ESTABLISHED FROM GPS OBSERVATIONS
TEMPORARY BENCHMARKS SET
TBM-EC1: TOP OF MAG NAIL SET IN ASPHALT CURB PATH AS SHOWN HEREON (SEE SHEET 4)
ELEVATION=216.32
TBM-EC11: TOP OF MAG NAIL SET IN ASPHALT CURB PATH AS SHOWN HEREON (SEE SHEET 4)
ELEVATION=241.05
 - 2) ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD83)
 - 3) CONTOUR INTERVAL EQUALS ONE (1) FOOT
 - 4) BY GRAPHIC PLOTTING ONLY, THE PARCELS SHOWN HEREON ARE WITHIN A ZONE "X" (FLASHFLOOD) AN AREA OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD AND A ZONE "AC" AN AREA WITHIN THE 1% CHANCE ANNUAL FLOOD WITH BASE FLOOD ELEVATIONS DETERMINED AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR NORFOLK COUNTY, MASSACHUSETTS (ALL JURISDICTIONS) MAP NUMBER 220210002E, 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 AND SOLELY TO FELDMAN LAND SURVEYORS' SCOPE OF SERVICES UNDER CONTRACT TO OUR CLIENT FOR THIS PROJECT. ANY USE OR REUSE OF THIS DOCUMENT FOR ANY REASON BY ANY PARTY FOR PURPOSES UNRELATED DIRECTLY AND SOLELY TO SAID CONTRACT SHALL BE AT THE USER'S SOLE AND EXCLUSIVE RISK AND 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. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM THE APPROPRIATE RECORD PLANS AND ARE APPROXIMATE ONLY. WE CANNOT ASSUME RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES THAT ARE OMITTED OR INACCURATELY SHOWN ON SAID RECORD PLANS. SINCE SUBSURFACE UTILITIES CANNOT BE VISIBLY VERIFIED, BEFORE PLANNING FUTURE CONNECTIONS, THE PROPER UTILITY ENGINEERING DEPARTMENT SHOULD BE CONSULTED AND THE ACTUAL LOCATION OF SUBSURFACE STRUCTURES SHOULD BE DETERMINED IN THE FIELD. CALL, TEST, TRAIL, THE DIG SAFE CALL CENTER AT 1-888-344-7233 SEVENTY-TWO HOURS PRIOR TO EXCAVATION.
 - 7) THE WETLAND AREAS SHOWN HEREON WERE DELINEATED BY LEC ENVIRONMENTAL DURING FEBRUARY AND MARCH OF 2022.

LEGEND

TL	UTILITY POLE
○	LIGHT POLE
⊙	MANHOLE
⊕	WISDMAT
⊖	SON
⊗	BOND FOUND WITH DRILL HOLE
⊘	IRON ROD
⊙	WETLAND FLAG
Δ	DELTA ANGLE
△	FLAG POLE
⊕	POST
⊖	BALUNQUOUS
B/V	BORDERING VEGETATED WETLAND
I.L.S.F.	INTERMITTENT LAND SUBJECT TO FLOODING
CONC	CONCRETE
DN	DRILL HOLE
ENP	ESCUTCHEON PAI/LEAD FLAG
SBH	STONE BOUND DRILL HOLE
CON	CONCRETE BOUND DRILL HOLE
IP	IRON PIPE
IR	IRON ROD
FD	FOUND
S.H.L.D.	STATE HIGHWAY LAYOUT
+	INVERT ELEVATION
L	ARC LENGTH
N/P	NO VISIBLE PIPES
R	ROUND
SQ FT	SQUARE FEET
CHB	CHORD BEARING
CHD	CHORD DISTANCE
—○—	DRAIN
— —	PIPE SIZE AND MATERIAL
— —	CAST IRON
— —	CORRUGATED PLASTIC PIPE
— —	CORRUGATED METAL PIPE
— —	POLYETHYLENE GLYCOL
— —	REINFORCED CONCRETE PIPE
— —	VERTICAL DRAIN PIPE
— —	OVERHEAD WIRES
— —	GUARD RAIL
— —	METAL FENCE
— —	FENCE
— —	STONE WALL

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THOMAS R. AGUIRRE, PLS
(MAP 52782)
TAGER@FELDMANGEO.COM
3-9-23
DATE



ADDRESS:
**MAPLEGATE COUNTRY CLUB
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FRANKLIN, MASS.**

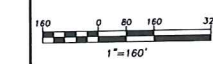
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PROJ. MGR: TRA	APPROVED: TRA
CALC: SFP	CADD: SFP
FIELD CHK:	CRD FILE: 220001

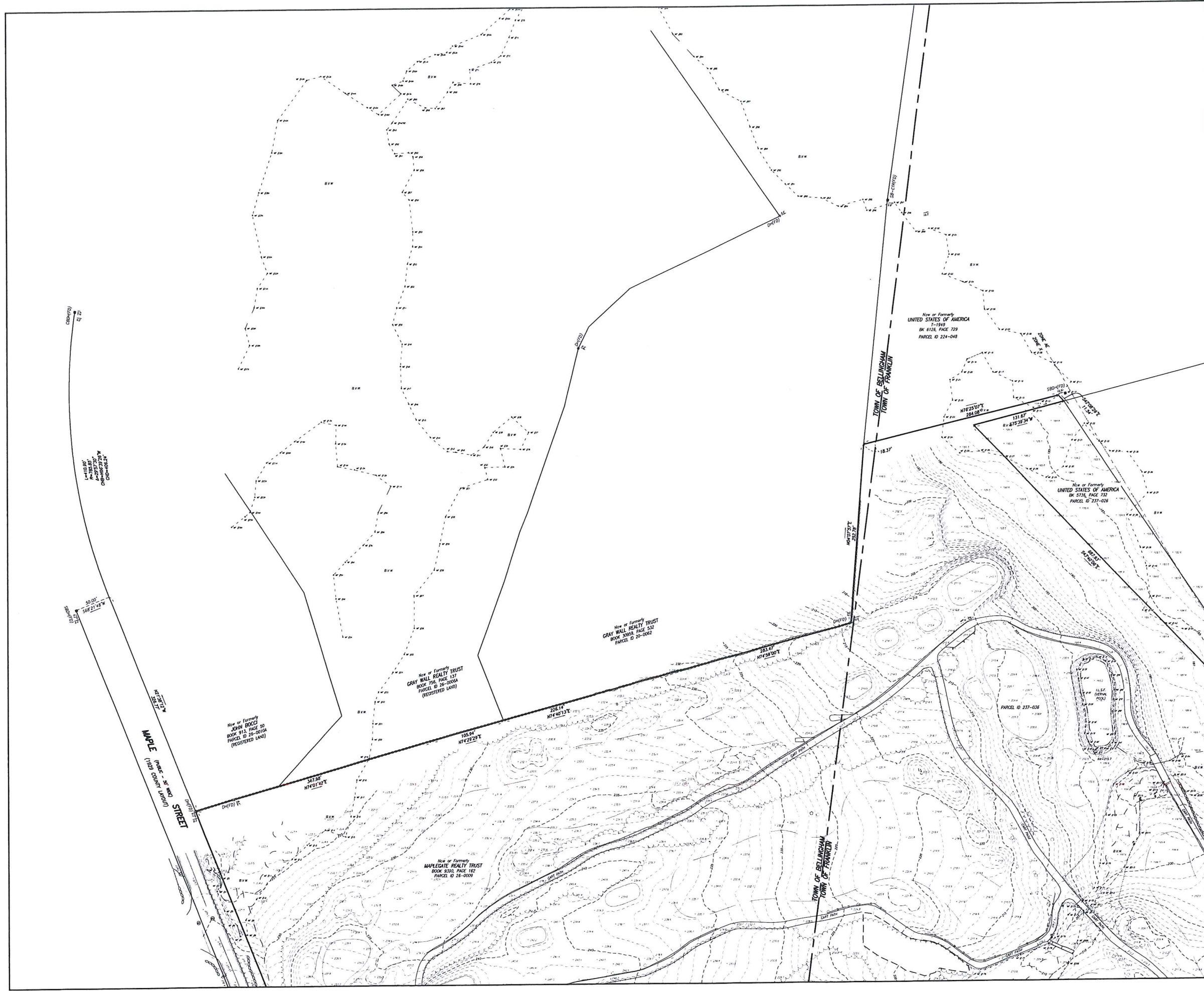
REVISIONS:

DRAWING NAME:
DRAFT 5/09/2022

**EXISTING CONDITIONS
PLAN**

DATE: APRIL 11, 2022

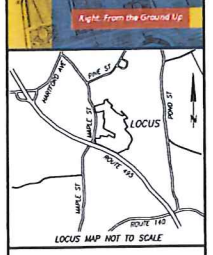




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TIMOTHY R. AGURKIS, PLS.
(MAP 52782)
T.AGURKIS@FELDMANGEO.COM

3-9-22 DATE



ADDRESS:
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FRANKLIN, MA

RESEARCHER: SFP	FIELD CHECK: EC
PROJECT MANAGER: TRM	APPROVED: TRM
SCALE: SFP	CADD: SFP
FIELD CHECK: SFP	CRD FILE: 220001

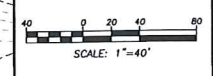
REVISIONS:

NO.	DATE	DESCRIPTION

DRAWING NAME:
DRAFT 5/09/2022

EXISTING CONDITIONS
PLAN

DATE: APRIL 11, 2022





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Light From the Ground Up

LOCUS MAP NOT TO SCALE

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3-9-23 DATE

FRANCIS R. ADURKIS, PLS
MAP 52323
FADURKIS@FELDMANGEO.COM

ADDRESS:
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BELLINGHAM, MASS.
FRANKLIN, MA

RESEARCH: SFP	FIELD CHK: EC
PRJ MGR: TRA	APPROVED: TRA
CALC: SFP	CADD: SFP
FIELD CHK:	CRD FILE: 220001

REVISIONS:

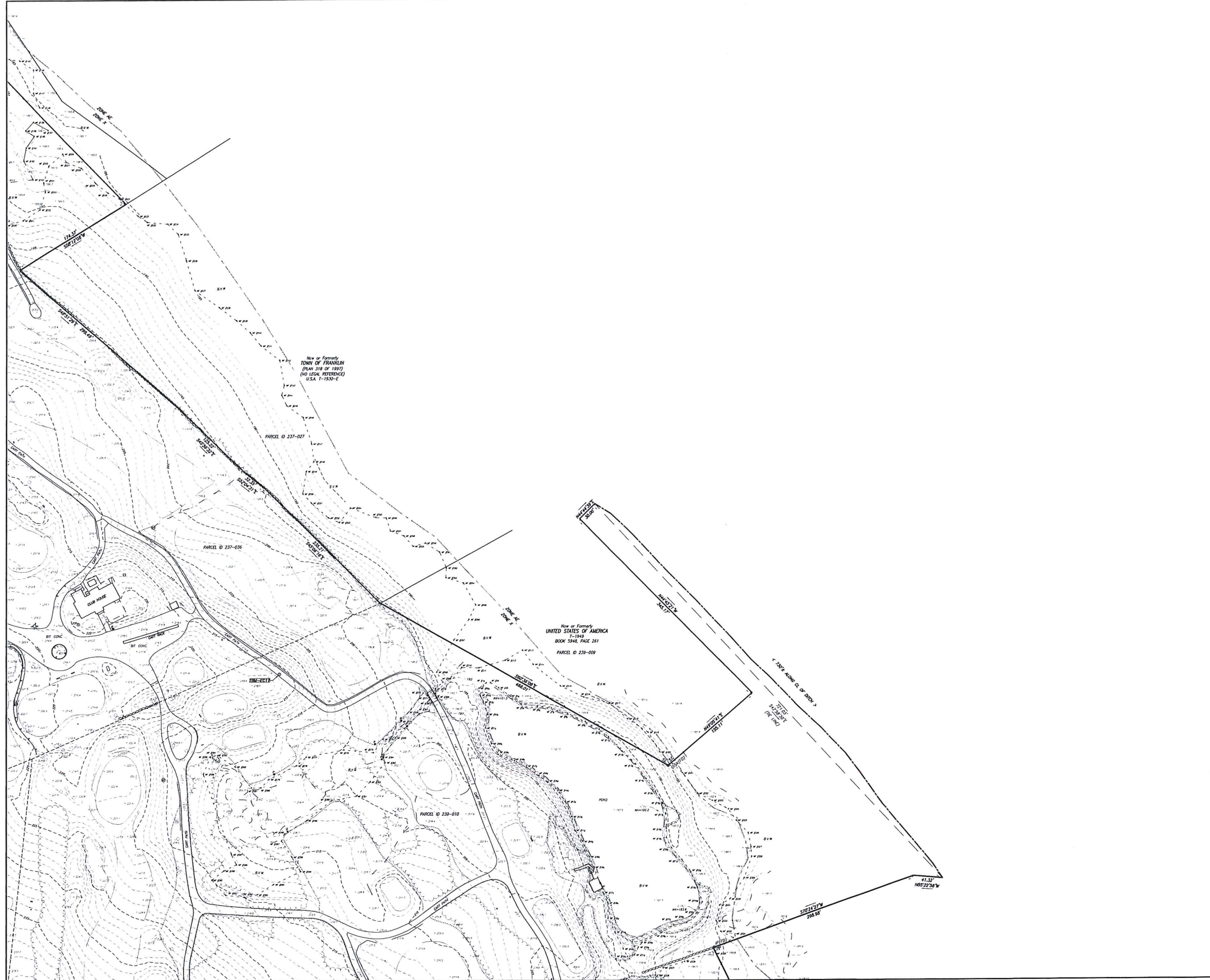
DRAWING NAME:
DRAFT 5/09/2022

EXISTING CONDITIONS PLAN

DATE: APRIL 11, 2022

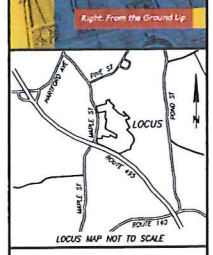
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SHEET NO. 3 OF 8



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THOMAS R. AQUILINO, PLS. (MAJ. 52782) DATE: 3-9-22
T.AQUILINO@FELDMANGEO.COM



ADDRESS:

MAPLEGATE COUNTRY CLUB
BELLINGHAM, MASS.
FRANKLIN, MA

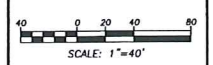
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DATE: SPP	CADD: SPP
FIELD CHIEF:	CRD. FILE: 220001

REVISIONS:

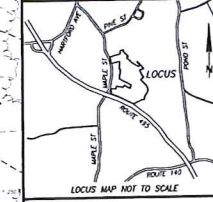
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EXISTING CONDITIONS PLAN

DATE: APRIL 11, 2022



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3-9-23
TIMOTHY R. ACURAKIS, PLS
(MAP 52282)
TACURAKIS@FELDMANGEO.COM



ADDRESS:
MAPLEGATE COUNTRY CLUB
BELLINGHAM, MASS.
FRANKLIN, MA

RESEARCH: SPP	FIELD CHIEF: EC
PROJ. MGR: TRA	APPROVED: TRA
CADD: SPP	CADD: SPP
FIELD CHIEF:	CRD FILE: 220001

REVISIONS:

DRAWING NAME:
DRAFT 5/09/2022

EXISTING CONDITIONS PLAN

DATE: APRIL 11, 2022



Now or Formerly
LMP PROPERTIES, LLC
BOOK 32050, PAGE 97
PARCEL ID 239-007

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

Now or Formerly
NEW ENGLAND POWER COMPANY
BOOK 3855, PAGE 390
PARCEL ID 32-008



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Right from the Ground Up

LOCUS MAP NOT TO SCALE

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TIMOTHY R. AGURKIS, PLS. DATE 3-9-23
(MA# 53782) FLDGNS@FELDMANGEO.COM

ADDRESS:
**MAPLEGATE COUNTRY CLUB
BELLINGHAM, MASS.
FRANKLIN, MA**

RESEARCH: SPP	FIELD CHIEF: EC
PRGM MGR: TRA	APPROVED: TRA
CADD: SPP	CADD: SPP
FIELD CHK:	ORD FILE: 220001

REVISIONS:

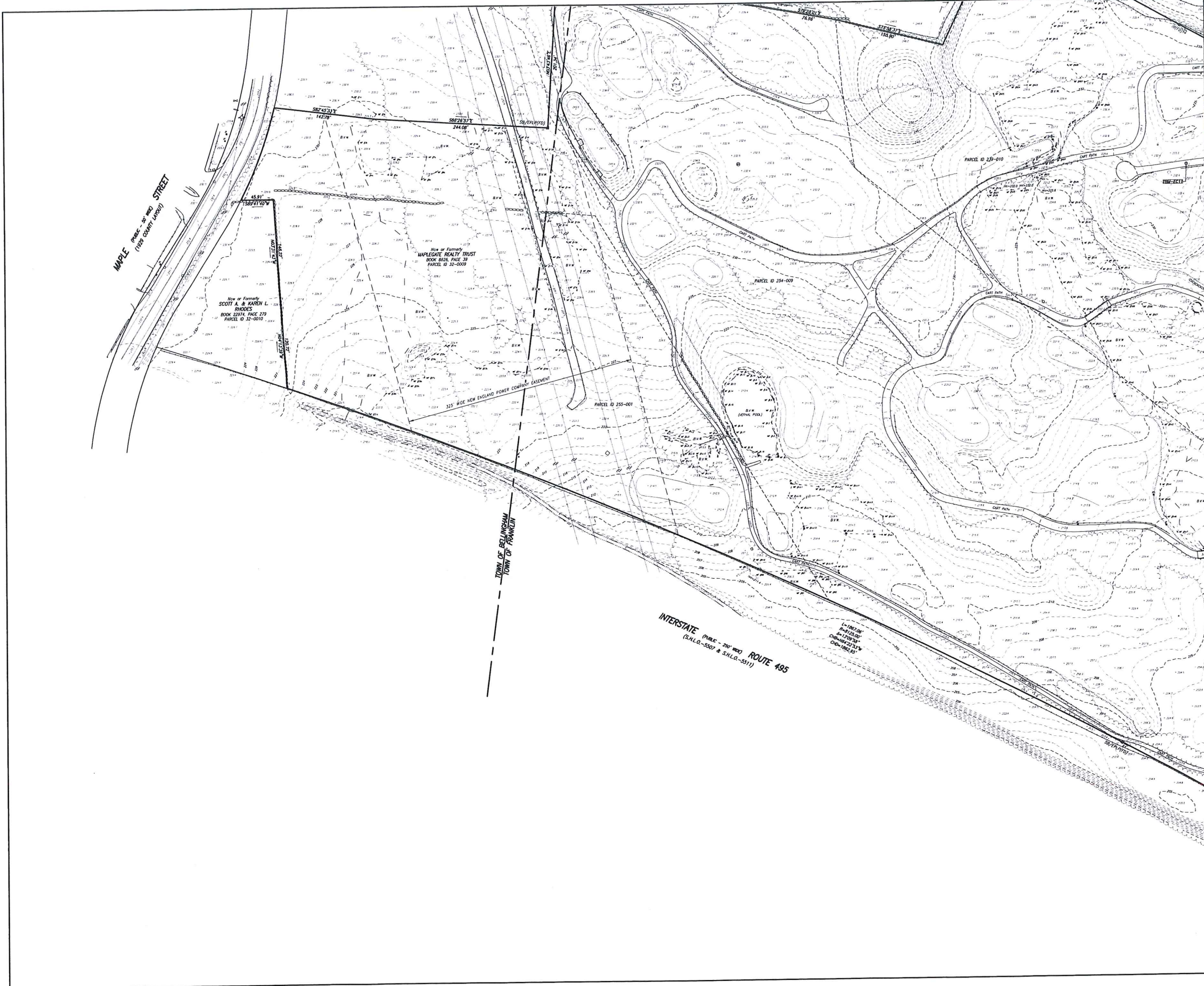
DRAWING NAME:
DRAFT 5/09/2022

**EXISTING CONDITIONS
PLAN**

DATE: APRIL 11, 2022

SCALE: 1"=40'

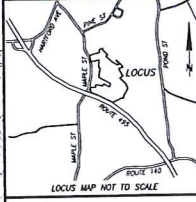
SHEET NO. 6 OF 8



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3-9-23 DATE
FRANCIS R. AGUIRRE, PLS (MA 52782)
FRANCIS@FELDMANGEO.COM



ADDRESS:
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BELLINGHAM, MASS.
FRANKLIN, MA

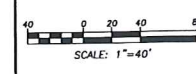
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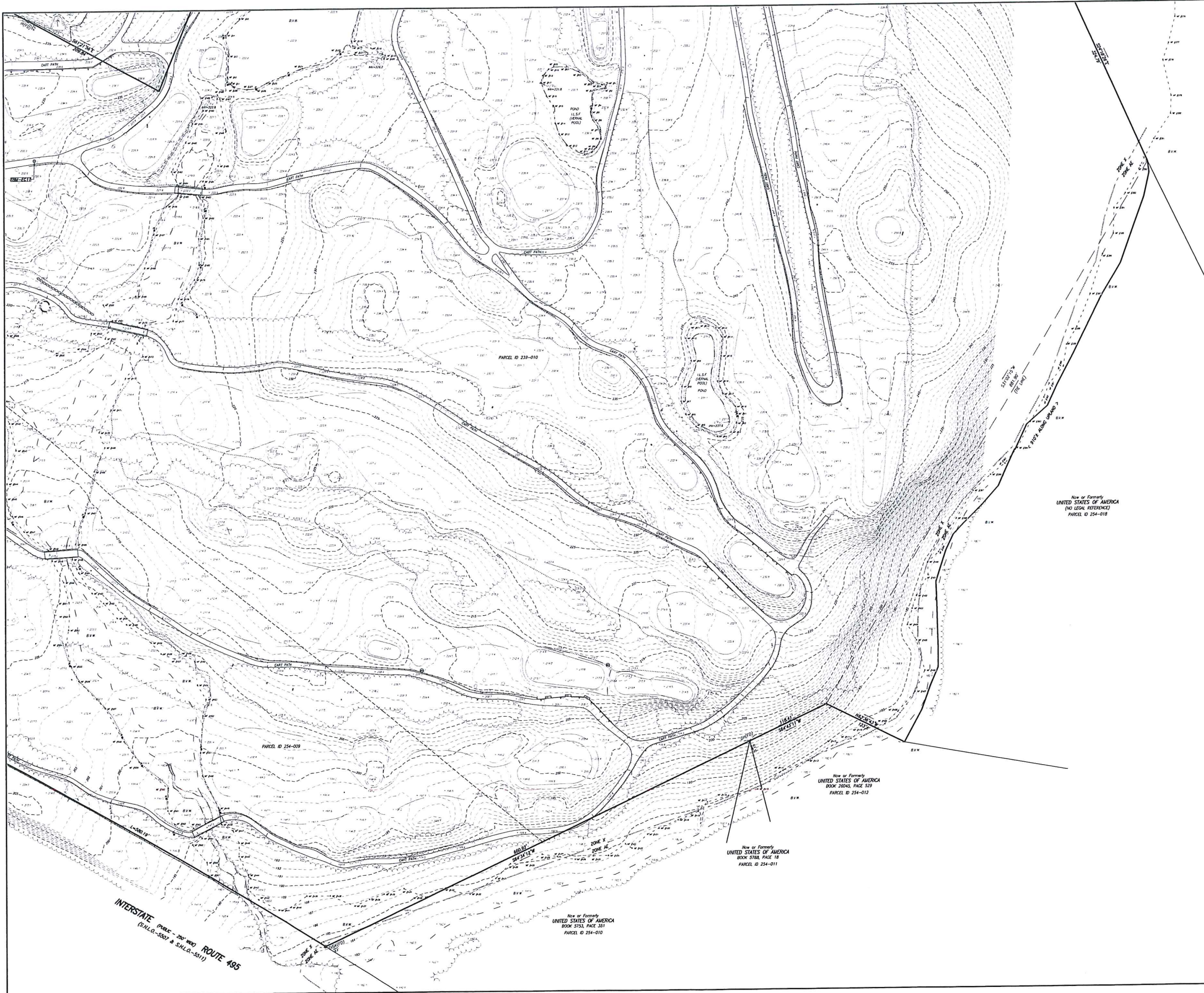
REVISIONS:

DRAWING NAME:
DRAFT 5/09/2022

EXISTING CONDITIONS PLAN

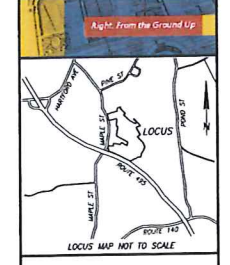
DATE: APRIL 11, 2022





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TIMOTHY R. AGURKIS, PLS
(MA# 52782)
T.AGURKIS@FELDMANGEO.COM
DATE: 3-9-23



ADDRESS:

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FRANKLIN, MA

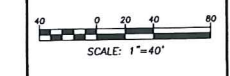
RESEARCH: SPP	FIELD CHECK: EC
PROJ. MGR: TRA	APPROVED: TRA
CALC: SPP	CADD: SPP
FIELD CHK:	CRD FILE: 220001

REVISIONS:

DRAWING NAME:
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EXISTING CONDITIONS
PLAN

DATE: APRIL 11, 2022



SHEET NO. 8 OF 8