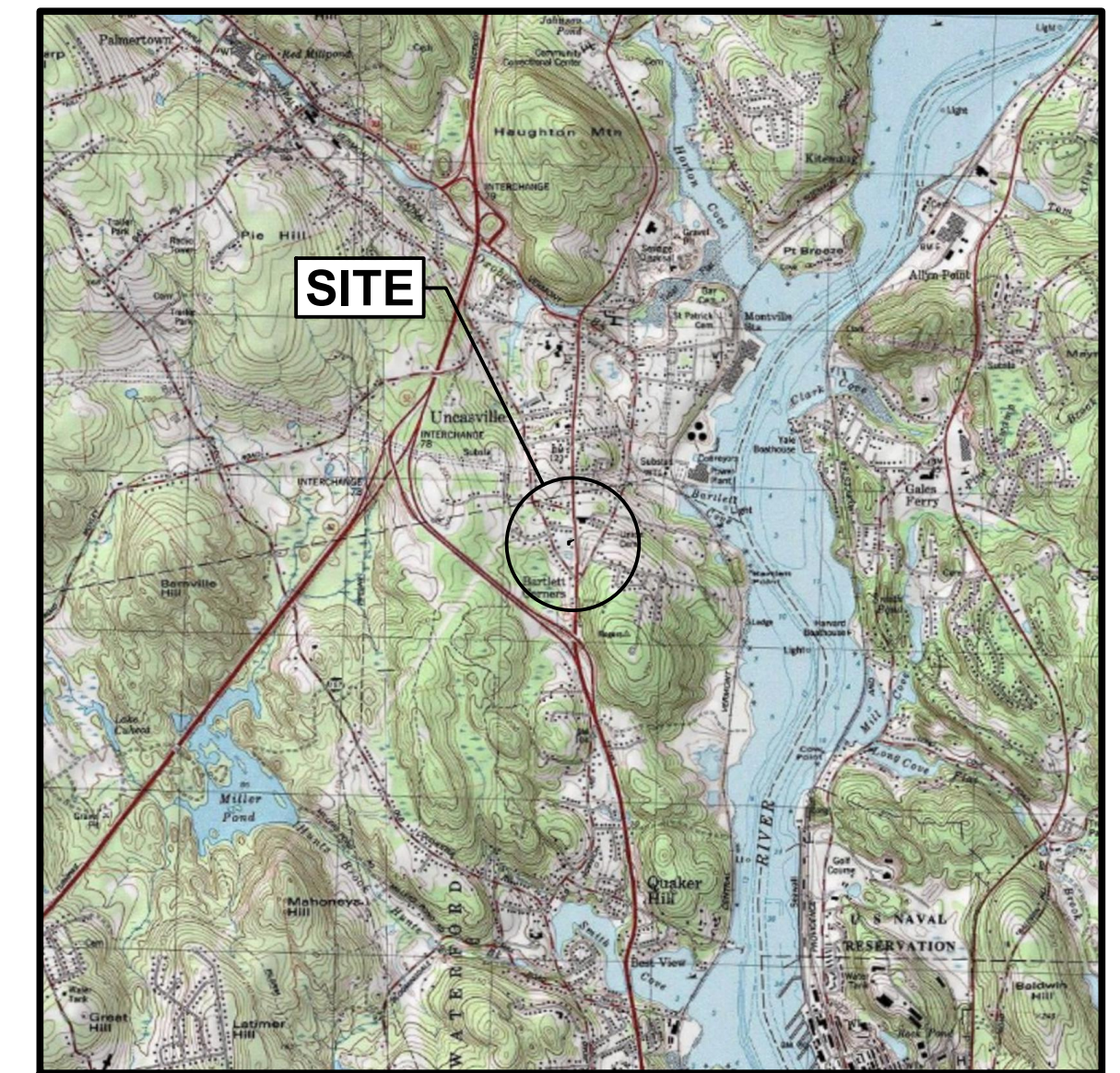


# 40 NORWICH RD BESS PROJECT, LLC

## 40 NORWICH ROAD BESS 40 NORWICH RD WATERFORD, CT

ISSUE DATE: SEPTEMBER 10, 2024  
PROJECT NO: 175583



PORTION OF USGS NEW LONDON 7.5'x7.5' QUADRANGLE MAP  
**VICINITY MAP**  
0 5,000' 10,000'  
SCALE IN FEET



ONE OR TWO CHARACTER DISCIPLINE DESIGNATOR (MAY NOT BE PRESENT IF CALLOUT AND TITLE ARE ON DRAWINGS WITHIN THE SAME DISCIPLINE)

LETTER OR NUMBER DESIGNATOR

DRAWING SEQUENCE NUMBER INDICATES WHERE TITLE IS LOCATED (MAY NOT BE PRESENT IF CALLOUT AND TITLE ARE ON THE SAME DRAWING)

**SECTION, DETAIL, AND ELEVATION SYMBOL IDENTIFIERS**

**SECTION CALLOUT EXAMPLE**

**DETAIL CALLOUT EXAMPLE**

**ELEVATION CALLOUT EXAMPLE**

THE WORD "SECTION" MAY BE REPLACED WITH "ELEVATION" OR "DETAIL"

**SECTION, DETAIL, OR ELEVATION TITLE EXAMPLE**

**SECTION, DETAIL, AND ELEVATION IDENTIFICATION SYSTEM**

### GENERAL DRAWINGS

DWG. NO.	TITLE
G001	COVER-INDEX
G002	GENERAL NOTES

### CIVIL DRAWINGS

DWG. NO.	TITLE
1 AND 2 OF 2	TOPOGRAPHIC SURVEY PROVIDED BY VARA 3D GEOSPATIAL SOLUTIONS
EC001	EROSION & SEDIMENT CONTROL NOTES
EC002	EROSION & SEDIMENT CONTROL DETAILS
EC003	EROSION & SEDIMENT CONTROL PLAN
GP001	GRADING PLAN
SP001	SITE & UTILITY PLAN
DN001	SITE DETAILS

no.	date	by	ckd	description
0	09/10/24	J.T.	L.M.	ISSUED FOR REVIEW
1	09/13/24	J.T.	L.M.	ISSUED FOR REVIEW
2				
3				
4				
5				



**FOR BID - NOT FOR  
CONSTRUCTION**



**GENERAL NOTES:**

- ALL CONSTRUCTION SHALL COMPLY WITH PROJECT DEVELOPER STANDARDS, TOWN OF WATERFORD STANDARDS, STATE OF CONNECTICUT STANDARDS AND SPECIFICATIONS. IF SPECIFICATIONS ARE IN CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY.
- CONTRACTOR SHALL CONTRACT WITH OWNER DIRECTLY TO PERFORM WORK.
- PRIOR TO CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SECURE AND PAY FOR ALL APPLICABLE PERMITS, FEES, AND LICENSES REQUIRED FOR CONSTRUCTION AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.
- CONTRACTOR SHALL UNDERTAKE ALL NECESSARY MEASURES TO ENSURE SAFETY OF ALL PERSONS AND STRUCTURES AT THE SITE AND ADJACENT TO THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLAIMS RESULTING FROM THEIR ACTIONS AND ACTIVITIES. VISITS TO THE SITE BY OWNER, ENGINEER, OR ENGINEER'S SUBCONTRACTORS SHALL NOT RELIEVE THE CONTRACTOR OF SUCH RESPONSIBILITY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER SAFEGUARDING OF THE INSTALLATION AND MATERIALS AND EQUIPMENT STORED ON THE SITE TO PREVENT THEFT, VANDALISM, OR DAMAGE. CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR EQUIPMENT AND MATERIALS THROUGH PROJECT COMPLETION. CONTRACTOR SHALL STORE EQUIPMENT AND MATERIALS IN A SECURE LOCATION (ON OR OFF-SITE).
- CONTRACTOR SHALL PROTECT THE WORK AREAS WITH THE APPROPRIATE FENCING, BARRICADES, AND SIGNAGE. CONTRACTOR SHALL COORDINATE WORK PROTECTION AREA REQUIREMENTS WITH OWNER.
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH (OSHA) REGULATIONS AND OWNER SAFETY AND QUALITY PROGRAMS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH OSHA, FEDERAL, STATE, AND LOCAL REGULATIONS.
- THE LOCATIONS OF EXISTING UTILITIES AND EASEMENTS HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UTILITIES AND EASEMENTS WHETHER OR NOT SHOWN TO PROTECT THEM FROM DAMAGE. WHERE A UTILITY OR EASEMENT IS ABANDONED OR REQUIRED TO BE PROTECTED, THE CONTRACTOR SHALL PROVIDE PROTECTION THAT AT MINIMUM MEETS THE REQUIREMENTS OF THE UTILITY OR EASEMENT OWNER. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR, REPLACEMENT, OR ANY OTHER CHARGES RELATED TO EXISTING UTILITIES OR EASEMENTS IN CONJUNCTION WITH THE EXECUTION OF THIS WORK. PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" 72 HOURS BEFORE COMMENCEMENT OF WORK AT "811" AND VERIFY ALL EXISTING UTILITY LOCATIONS.
- THE CONSTRUCTION DRAWINGS REPRESENT THE FINISHED WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION. CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT, MATERIALS, AND TOOLS NECESSARY TO COMPLETELY PERFORM THE WORK IN SAFE, EXPEDITIOUS, AND WORKMAN LIKE MANNER. COORDINATE SCHEDULE OF THE WORK WITH THE OWNER, AND INSTALL EQUIPMENT AND MATERIALS PER MANUFACTURER'S RECOMMENDATIONS UNLESS NOTED OTHERWISE. THE CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR PROPER HANDLING AND INSTALLATION OF EQUIPMENT AND MATERIALS.
- THESE DRAWINGS SHALL BE USED IN CONJUNCTION WITH ANY SHOP DRAWINGS PROVIDED BY SUPPLIERS. ALL SHOP DRAWINGS PROVIDED BY OTHERS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO THE FABRICATION OF MATERIAL OR THE PURCHASE OF NON-RETURNABLE STOCK. DIMENSIONAL REVIEW IS THE CONTRACTOR'S RESPONSIBILITY.
- UNKNOWN SITUATIONS OR CONDITIONS NOT COVERED IN THESE INSTRUCTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR. ENGINEER AND MANUFACTURER'S SPECIALISTS MAY BE AVAILABLE FOR CONSULTATION. THE PRESENCE OF THE ENGINEER OR THE MANUFACTURER'S REPRESENTATIVE AT THE PROJECT SITE DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR A PROPER INSTALLATION.
- CONTRACTOR TO VERIFY ALL EXISTING SITE CONDITIONS IN THE FIELD AND CONTACT THE OWNER IF THERE ARE ANY QUESTIONS OR CONFLICTS IN REGARDS TO THE CONSTRUCTION DRAWINGS. ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR, AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH THE AFFECTED PART OF WORK.
- IF CERTAIN FEATURES ARE NOT FULLY SHOWN OR CALLED FOR ON THE CONSTRUCTION DRAWINGS OR SPECIFICATIONS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR CALLED FOR, SUBJECT TO THE APPROVAL OF THE ENGINEER.
- ALL WORK SHALL BE PERFORMED AND EQUIPMENT INSTALLED AND TESTED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS AND MANUFACTURER REQUIREMENTS. CONTRACTOR TO PROVIDE APPLICABLE REPORTING AND DOCUMENTATION OF TESTING COMPLETED IN ACCORDANCE WITH REGULATIONS AND REQUIREMENTS.
- ALL WORK SHALL BE DONE TO THE LINES, SLOPES, THICKNESS, AND GRADES INDICATED IN THE CONSTRUCTION DRAWINGS. CONTRACTOR SHALL PROTECT ALL ESTABLISHED MONUMENTS, BENCHMARKS, REFERENCE POINTS, STAKES, AND OTHER CENTRAL POINTS AND PROMPTLY REPLACE IF DAMAGED AT CONTRACTOR'S COST. CONTRACTOR SHALL NOTIFY OWNER IN WRITING OF BENCHMARKS, REFERENCE LINES, OR OTHER CONTROL POINTS WHICH MAY HAVE BEEN DISTURBED OR WHICH APPEAR TO BE OFF LINE OR GRADE. ADDITIONAL HORIZONTAL AND VERTICAL CONTROL POINTS SHALL BE ADDED BY CONTRACTOR AS NECESSARY TO COMPLETE WORK. NEW CONTROL POINTS SHALL BE PROVIDED AND CERTIFIED BY A LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT TO THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING POTABLE WATER AND TEMPORARY SANITARY FACILITIES FOR THEIR PERSONNEL. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR INSTALLING AND REMOVING ANY REQUIRED TEMPORARY UTILITY CONNECTIONS INCLUDING COORDINATION WITH UTILITY COMPANIES AND/OR AUTHORITIES HAVING JURISDICTION FOR INSTALLATION AND REMOVAL OF SUCH UTILITIES.
- CONTRACTOR SHALL MAINTAIN CONTROL OF DEBRIS GENERATED BY CONTRACTOR'S ACTIVITIES SUCH TO PREVENT THE INADVERTENT MOVEMENT OF DEBRIS OUTSIDE THE CONSTRUCTION BOUNDARIES. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL, MANAGEMENT, STORAGE, LOADING, AND DISPOSAL OF CONSTRUCTION DEBRIS. CONTRACTOR SHALL PROPERLY DISPOSE OF DEBRIS PER APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. IN ADDITION, ALL DEMOLISHED MATERIAL, UNLESS OTHERWISE NOTED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE JOBSITE AND PROPERLY RECYCLED, OR DISPOSED OF, IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
- CONTRACTOR SHALL PHASE CONSTRUCTION ACTIVITIES AS NECESSARY TO MINIMIZE DISRUPTION TO FACILITY OPERATIONS AND FOLLOW THE SUGGESTED CONSTRUCTION SEQUENCE ON EC001. CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ENGINEER AND OWNER. EXISTING OPERATIONS TO REMAIN UNINTERRUPTED DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH OWNER ON ANY DISRUPTIONS TO OPERATIONS.
- CONTRACTOR SHALL PROVIDE SIGNS AND LIGHTING BARRICADES TO PROTECT WORK AND DIRECT TRAFFIC, WHERE REQUIRED.
- CONTRACTOR SHALL COORDINATE SIZE AND LOCATION OF AVAILABLE LAYDOWN AREA WITH OWNER PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE CONSTRUCTION TRAFFIC ROUTING WITH OWNER PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL HAVE PROPER EQUIPMENT AND MANPOWER NECESSARY TO UNLOAD

**GENERAL NOTES (CONT'D):**

- ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND THE CONTRACT DOCUMENTS.
- SUBMITTALS: CONTRACTOR SHALL SUBMIT MATERIAL AND PRODUCT DATA, WARRANTIES, INSTALLATION, AND AS-BUILT CONSTRUCTION DOCUMENTS TO THE OWNER AND ENGINEER FOR REVIEW. CONTRACTOR SHALL FORWARD MATERIAL MANIFESTS TO THE ENGINEER AND OWNER. CONTRACTOR SHALL TRANSMIT MATERIAL MANIFESTS AND PROVIDE CERTIFICATES THAT ALL AGGREGATES ARE CLEAN IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS WITH NOTES IDENTIFYING MODIFICATIONS TO THE CONSTRUCTION DRAWINGS.
- THESE NOTES AND OTHER DRAWINGS NOTES CONTAINED HERewith ARE PROVIDED TO MEET SPECIFIC REQUIREMENTS AND TO SUPPLEMENT THE CONTRACT DOCUMENTS. THESE NOTES NEITHER REPLACE NOR OVERRIDE THE PROVISIONS AND REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- UNLESS NOTED OTHERWISE, DETAILS, SECTIONS, AND NOTES SHOWN ON THESE DRAWINGS SHALL BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.
- EXCEPT WHERE THE CONTRACT DOCUMENTS INCLUDE MORE STRINGENT REQUIREMENTS, APPLICABLE CONSTRUCTION INDUSTRY STANDARDS HAVE THE SAME FORCE AND EFFECT AS IF BOUND OR COPIED DIRECTLY INTO THE CONTRACT DOCUMENTS.
- EXCEPT AS OTHERWISE INDICATED, GRAPHIC SYMBOLS USED ON DRAWINGS ARE THOSE SYMBOLS RECOGNIZED IN THE CONSTRUCTION INDUSTRY FOR PURPOSES INDICATED. REFER INSTANCES OF UNCERTAINTY TO ENGINEER FOR CLARIFICATION.
- THE TERM "APPROVAL", WHEN USED IN RESPONSE TO SUBMITTALS, REQUESTS, APPLICATIONS, INQUIRIES, REPORTS AND CLAIMS BY THE CONTRACTOR, WILL BE HELD TO LIMITATIONS OF THE ENGINEER'S RESPONSIBILITIES AND DUTIES. IN NO CASE WILL "APPROVAL" BY THE ENGINEER BE INTERPRETED AS A RELEASE OF THE CONTRACTOR FROM RESPONSIBILITIES TO FULFILL REQUIREMENTS OF CONTRACT DOCUMENTS.

**SITE & UTILITY NOTES:**

- HORIZONTAL DATUM: NAD83 CT STATE PLANE COORDINATE SYSTEM  
VERTICAL DATUM: NGVD29 AS DETERMINED LOCALLY BY PUBLISHED BM 1309, WITH A NGVD 29 ELEVATION OF 162.2 FT.
- THE BOUNDARY AND TOPOGRAPHIC SURVEY WAS PROVIDED BY VARA 3D DATED JULY 2023.
- A GEOTECHNICAL ENGINEERING REPORT WAS PROVIDED BY DOWN TO EARTH CONSULTING, LLC DATED SEPTEMBER 2023.
- RESOURCE AREA DELINEATION WAS COMPLETED BY IAN COLE, LLC ON MARCH 11, 2024 AND DATA WAS PROVIDED BY SAME ON MARCH 25, 2024. THERE ARE/ARE NO WETLANDS LOCATED ON THE SITE AS INDICATED ON THE PLANS.
- PROPER CONSTRUCTION PROCEDURES SHALL BE FOLLOWED ON ALL IMPROVEMENTS WITHIN THE PROJECT PARCEL, SO AS TO PREVENT THE SILTING TO ANY WATERCOURSE OR WETLAND IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE TO POST ALL BONDS AS REQUIRED BY GOVERNMENT AGENCIES WHICH WOULD GUARANTEE THE PROPER IMPLEMENTATION OF THE PLAN.
- ALL SITE WORK, MATERIALS OF CONSTRUCTION, AND CONSTRUCTION METHODS FOR EARTHWORK AND STORM DRAINAGE WORK SHALL CONFORM TO THE SPECIFICATIONS, DETAILS, AND APPLICABLE SECTIONS OF THE PROJECT SPECIFICATIONS MANUAL. OTHERWISE THIS WORK SHALL CONFORM TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION AND PROJECT GEOTECHNICAL REPORT IF THERE IS NO PROJECT SPECIFICATION MANUAL. ALL FILL MATERIAL UNDER STRUCTURES AND PAVED AREAS SHALL BE PER THE ABOVE STATED APPLICABLE SPECIFICATIONS, AND/OR PROJECT GEOTECHNICAL REPORT, AND SHALL BE PLACED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL ENGINEER. MATERIAL SHALL BE COMPACTED IN 8" LIFTS TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 1557 AT 95% OF OPTIMUM MOISTURE CONTENT.
- ALL DISTURBANCE INCURRED TO PUBLIC, MUNICIPAL, COUNTY, OR STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER, TO THE SATISFACTION OF THE TOWN OF WATERFORD AND STATE OF CONNECTICUT.
- IF IMPACTED OR CONTAMINATED SOIL IS ENCOUNTERED BY THE CONTRACTOR, THE CONTRACTOR SHALL SUSPEND EXCAVATION WORK OF IMPACTED SOIL AND NOTIFY THE PROJECT DEVELOPER AND/OR PROJECT DEVELOPER'S ENVIRONMENTAL CONSULTANT PRIOR TO PROCEEDING WITH FURTHER WORK IN THE IMPACTED SOIL. LOCATION UNTIL FURTHER INSTRUCTED BY THE PROJECT DEVELOPER AND/OR PROJECT DEVELOPER'S ENVIRONMENTAL CONSULTANT.
- CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE TOWN OF WATERFORD TO SECURE CONSTRUCTION PERMITS AND FOR PAYMENT OF FEES FOR STREET OPENINGS AND CONNECTIONS TO EXISTING UTILITIES.
- REFER TO DRAWINGS PROVIDED BY PROJECT DEVELOPER FOR THE ON-SITE ELECTRICAL DRAWINGS AND INTERCONNECTION TO EXISTING ELECTRICAL GRID. CONTRACTOR SHALL SUPPLY AND INSTALL PIPE ADAPTERS AS NECESSARY AT BUILDING CONNECTION POINT OR AT EXISTING UTILITY OR PIPE CONNECTION POINT. THESE DETAILS ARE NOT INCLUDED IN THESE PLANS.
- UTILITY LOCATIONS AND PENETRATIONS ARE SHOWN FOR THE CONTRACTOR'S INFORMATION AND SHALL BE VERIFIED WITH THE ELECTRICAL ENGINEER AND THE PROJECT DEVELOPER'S CONSTRUCTION MANAGER PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE ELEVATION AND LOCATION OF ALL UTILITIES BY VARIOUS MEANS PRIOR TO BEGINNING AND EXCAVATION. TEST PITS, CONFORMING TO ASCE 38-22 SUE LEVEL A, SHALL BE DUG AT ALL LOCATIONS WHERE PROP. SANITARY SEWERS AND WHERE PROP. STORM PIPING WILL CROSS EXISTING UTILITIES, AND THE HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES SHALL BE DETERMINED. THE CONTRACTOR SHALL CONTACT THE PROJECT DEVELOPER IN THE EVENT OF ANY DISCOVERED OR UNFORESEEN CONFLICTS BETWEEN EXISTING AND PROPOSED SANITARY SEWERS, STORM PIPING AND UTILITIES SO THAT AN APPROPRIATE MODIFICATION MAY BE MADE.
- UTILITY CONNECTION DESIGN AS REFLECTED ON THE PLAN MAY CHANGE SUBJECT TO UTILITY PROVIDER AND GOVERNING AUTHORITY STAFF REVIEW.
- CONTRACTOR SHALL ARRANGE FOR AND COORDINATE WITH THE RESPECTIVE UTILITY PROVIDERS FOR SERVICE INSTALLATIONS AND CONNECTIONS. CONTRACTOR SHALL COORDINATE WORK TO BE PERFORMED BY THE VARIOUS UTILITY PROVIDERS AND SHALL PAY ALL FEES FOR CONNECTIONS, DISCONNECTIONS, RELOCATIONS, INSPECTIONS, AND DEMOLITION UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATION MANUAL AND/OR GENERAL CONDITIONS OF THE CONTRACT.
- ALL EXISTING PAVEMENT WHERE UTILITY PIPING IS TO BE INSTALLED SHALL BE SAW CUT. AFTER UTILITY INSTALLATION IS COMPLETED, CONTRACTOR SHALL INSTALL TEMPORARY AND/OR PERMANENT PAVEMENT REPAIR AS REQUIRED BY THE TOWN OF WATERFORD.
- RELOCATION OF UTILITY PROVIDER FACILITIES, SUCH AS POLES, SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY PROVIDER.
- CONTRACTOR SHALL COMPACT PIPE BACKFILL IN 8" LIFTS ACCORDING TO THE PIPE BEDDING SPECIFICATIONS. TRENCH BOTTOM SHALL BE STABLE IN HIGH GROUNDWATER AREAS.
- CONTRACTOR TO PROVIDE STEEL SLEEVES AND ANNULAR SPACE SAND FILL FOR UTILITY PIPE AND CONDUIT CONNECTIONS UNDER FOOTINGS.
- ALL UTILITY CONSTRUCTION IS SUBJECT TO INSPECTION FOR APPROVAL PRIOR TO BACKFILLING, IN ACCORDANCE WITH THE APPROPRIATE UTILITY PROVIDER REQUIREMENTS.
- A ONE-FOOT MINIMUM VERTICAL CLEARANCE BETWEEN WATER, GAS, ELECTRICAL, TELEPHONE LINES, AND STORM PIPING SHALL BE PROVIDED.
- CONTRACTOR SHALL RESTORE ANY UTILITY STRUCTURE, PIPE, CONDUIT, PAVEMENT, CURBING, SIDEWALKS, DRAINAGE STRUCTURE, SWALE, OR LANDSCAPED AREAS DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE PROJECT DEVELOPER/OWNER AND TOWN OF WATERFORD.
- CONTRACTOR SHALL ARRANGE AND COORDINATE WITH UTILITY PROVIDERS FOR WORK TO BE PERFORMED BY UTILITY PROVIDERS. CONTRACTOR SHALL PAY ALL UTILITY FEES UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATION MANUAL AND GENERAL CONDITIONS, AND REPAIR PAVEMENTS AS NECESSARY.
- ELECTRICAL DRAWINGS AND REQUIREMENTS ARE NOT INCLUDED AS PART OF THIS DRAWING SET AND TO BE OBTAINED FROM THE PROJECT DEVELOPER.
- ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE PROJECT DEVELOPER, ENGINEER, AND APPROPRIATE REGULATORY AGENCIES PRIOR TO INSTALLATION.
- CONTRACTOR SHALL MAINTAIN ALL FLOWS AND UTILITY CONNECTIONS TO EXISTING BUILDINGS WITHOUT INTERRUPTION UNLESS/UNTIL AUTHORIZED TO DISCONNECT BY THE PROJECT DEVELOPER, BUILDING OWNER, TOWN OF WATERFORD, UTILITY PROVIDERS, AND GOVERNING AUTHORITIES.

GENERAL LEGEND		
LINETYPE	EXISTING	PROPOSED
PROPERTY LINE	---	---
SETBACK BUILDING ZONING	---	---
EASEMENT	--- E/E ---	--- P/E ---
TREE LINE	~~~~~	~~~~~
CONTOUR MAJOR	--- -145.00 ---	--- /45.00 ---
CONTOUR MINOR	--- -146.00 ---	--- /46.00 ---
LIMIT OF DISTURBANCE	---	--- LOD --- LOD ---
LIMIT OF SELECTIVE CLEARING	---	--- LSC --- LSC ---
EC FILTER SOCK	---	--- FS --- FS ---
EC SILT FENCE	---	--- SF --- SF ---
EC STRAW WATTLE	---	--- SW --- SW ---
EC CONSTRUCTION ENTRANCE		
FENCE CHAIN LINK	---	---
FENCE MISC.	---	---
GRAVEL PAD		
GRAVEL ACCESS ROAD		
CONCRETE FOUNDATION		
ELECTRIC BURIED	---	--- UGE ---
ELECTRIC OVERHEAD	---	--- OHE --- OHE ---

Millimeters

Scale For Microfinishing

Inches

no.	date	by	ckd	description
<b>FOR BID - NOT FOR CONSTRUCTION</b>				
date	09/13/2024	detailed	J. TAO	
designed	J. TAO	checked	L. MONZON	
<b>40 NORWICH RD BESS PROJECT, LLC</b>				
300 SPECTRUM CENTER DRIVE, SUITE 500 IRVINE, CA				
40 NORWICH ROAD BESS 40 NORWICH RD WATERFORD, CT				
GENERAL NOTES				
project	175583	contract		
drawing		rev.		
<b>G002</b>		<b>1</b>		
sheet	of	sheets		
file				





**EROSION AND SEDIMENT CONTROL NOTES:**

1. A STORMWATER POLLUTION CONTROL PLAN (SWPCP) WILL NOT BE PROVIDED AS PROJECT LIMIT OF DISTURBANCE IS BELOW 1.0 ACRE.
2. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP'S) AS REQUIRED BY THE CONSTRUCTION DRAWINGS. ADDITIONAL BMP'S SHALL BE IMPLEMENTED AS DICTATED BY THE SITE CONDITIONS THROUGHOUT ALL PHASES OF CONSTRUCTION.
3. CONTRACTOR SHALL FURNISH, INSTALL, CONSTRUCT, AND MAINTAIN TEMPORARY MEASURES TO CONTROL EROSION AND MINIMIZE THE SILTATION OF CONVEYANCE FEATURES AND THE POLLUTION OF PRIVATE PROPERTIES. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL COMPLETION OF WORK.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND REMOVAL OF ALL SEDIMENT CONTROL PRACTICES REQUIRED AS A RESULT OF HIS/HER ACTIVITIES. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS, UNLESS NOTED OTHERWISE. THE SEDIMENT CONTROL PRACTICES INDICATED IN THE CONTRACT DRAWINGS ARE NOT INTENDED TO BE INCLUSIVE OF ALL SEDIMENT CONTROL PRACTICES REQUIRED TO BE COMPLETED FOR THIS PROJECT.
5. CONTRACTOR TO PROVIDE, INSPECT, AND MAINTAIN ALL EROSION CONTROL FEATURES NECESSARY TO COMPLY WITH ALL APPLICABLE LOCAL, STATE, FEDERAL, AND JURISDICTIONAL AGENCIES' EROSION CONTROL-RELATED REGULATION THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR SHALL REMOVE EROSION CONTROL FEATURES IF SAID FEATURES ARE NOT BIODEGRADABLE.
6. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICABLE OR AS REQUIRED BY THE GENERAL PERMIT.
7. ALL WASH WATER (VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
8. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN UP FUEL OR CHEMICAL SPILLS AND LEAKS.
9. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
10. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. THESE SUCH MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM DISCHARGE INTO THE CONVEYANCE FEATURES OR WATERS OF THE STATE. DISPOSAL OF SOLID WASTE SHALL BE COORDINATED WITH OWNER.
11. ALL STORMWATER POLLUTION PREVENTION MEASURES PRESENTED IN THE CONSTRUCTION DRAWINGS SHALL BE INITIATED AS SOON AS PRACTICABLE, PRIOR TO CONSTRUCTION AND SOIL DISTURBANCE.
12. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
13. SOIL STOCKPILE AND BORROW AREAS RESULTANT FROM CONTRACTOR'S ACTIVITIES SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BMP'S AND SEEDING.
14. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
15. THE PERIMETER OF ANY STOCKPILE AREAS SHALL BE LINED WITH SEDIMENT BARRIER.
16. THE INTEGRITY OF WETTED PERIMETER FOR PERIMETER AND DIVERSION DITCHES SHALL BE MAINTAINED AT ALL TIMES.
17. FUELING OF CONTRACTOR EQUIPMENT SHALL BE CONDUCTED IN A CONTAINED AREA.
18. STORAGE OF FUELS AND HAZARDOUS MATERIALS SHALL BE DONE IN SUCH A WAY AS TO MINIMIZE THE POTENTIAL OF SPILLS. CONTRACTOR SHALL PROVIDE AND INSTALL THEIR OWN SPILL CONTAINMENT DEVICES OR STRUCTURES.
19. SPILLS OF TOXIC OR HAZARDOUS MATERIAL, INCLUDING DIESEL FUEL FOR CONTRACTOR EQUIPMENT USE ON SITE, SHALL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, AS REQUIRED. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
20. CONCRETE WASHOUT LOCATIONS SHALL BE COORDINATED WITH THE OWNER.
21. EXCAVATION AREAS SHALL BE MAINTAINED IN DEWATERED CONDITION. DEWATERING DEVICES AND APPURTENANCES SHALL BE SUPPLIED BY THE CONTRACTOR. EXCAVATION WATER MAY BE DISCHARGED ON SITE FOLLOWING ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

**SEDIMENT & EROSION CONTROL NARRATIVE:**

1. THE PROPOSED PROJECT INVOLVES THE CONSTRUCTION OF A BATTERY ENERGY STORAGE SYSTEM ("BESS") FACILITY WITH ASSOCIATED EQUIPMENT AND APPURTENANCES, INCLUDING CLEARING, GRUBBING, AND GRADING OF APPROXIMATELY ±0.23 ACRE OF AN EXISTING PARCEL.
2. THE PROPOSED PROJECT INVOLVES THE FOLLOWING CONSTRUCTION:  
A. CLEARING, GRUBBING, AND GRADING OF EXISTING PARCEL.  
B. CONSTRUCTION OF A BESS FACILITY, ASSOCIATED EQUIPMENT, AND APPURTENANCES.  
C. THE STABILIZATION OF DISTURBED AREAS WITH PERMANENT VEGETATIVE TREATMENTS.
3. FOR THIS PROJECT, THERE ARE APPROXIMATELY ±0.23 ACRE OF THE SITE BEING DISTURBED WITH NEGLIGIBLE INCREASES TO THE IMPERVIOUS AREA OF THE SITE, AS ALL PROPOSED ACCESS THROUGH THE SITE WILL BE GRAVEL. IMPERVIOUS AREAS ARE LIMITED TO THE PROPOSED CONCRETE PADS FOR ELECTRICAL EQUIPMENT.
4. THE PROJECT SITE, AS MAPPED IN THE SOIL SURVEY OF THE STATE OF CONNECTICUT (NRCS, VERSION 1, SEP 15, 2023), CONTAINS TYPE 29B AND 66B (HYDROLOGIC SOIL GROUP B), AND 307 (HYDROLOGIC SOIL GROUP D) SOILS. A GEOTECHNICAL ENGINEERING INVESTIGATION AND REPORT HAS BEEN COMPLETED BY DOWN TO EARTH CONSULTING, LLC DATED SEPTEMBER 2023.
5. IT IS ANTICIPATED THAT CONSTRUCTION WILL BE COMPLETED IN APPROXIMATELY 3-4 MONTHS.
6. STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL DESIGN CRITERIA UTILIZES THE APPLICABLE SECTIONS OF THE 2023 CONNECTICUT STORMWATER QUALITY MANUAL, THE 2023 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL MANUAL, AND THE TOWN OF WATERFORD STANDARDS, TO THE EXTENT PRACTICABLE FOR THIS PROJECT ON THIS SITE.
7. CONSERVATION PRACTICES TO BE USED DURING CONSTRUCTION:  
A. STAGED CONSTRUCTION  
B. MINIMIZE THE DISTURBED AREAS TO THE EXTENT PRACTICABLE DURING CONSTRUCTION.  
C. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT MEASURES AS SOON AS POSSIBLE, BUT NO LATER THAN 7-DAYS FOLLOWING DISTURBANCE.  
D. MINIMIZE IMPERVIOUS AREAS.  
E. UTILIZE APPROPRIATE CONSTRUCTION EROSION AND SEDIMENT CONTROL MEASURES.
9. THE FOLLOWING SEPARATE DOCUMENTS ARE TO BE CONSIDERED A PART OF THE EROSION AND SEDIMENT CONTROL PLAN:  
A. HYDROLOGY & HYDRAULICS MEMO DATED SEPTEMBER 2024.

**SUGGESTED CONSTRUCTION SEQUENCE:**

- THE FOLLOWING SEQUENCE OF CONSTRUCTION ACTIVITIES IS PROJECTED BASED UPON ENGINEERING JUDGEMENT AND BEST MANAGEMENT PRACTICES. CONTRACTOR MAY ELECT TO ALTER THE SEQUENCING TO BEST MEET THE CONSTRUCTION SCHEDULE, THE EXISTING SITE ACTIVITIES, AND WEATHER CONDITIONS. SHOULD CONTRACTOR ALTER THE CONSTRUCTION SEQUENCE OR ANY EROSION AND SEDIMENTATION CONTROL MEASURES, THEY SHALL NOTIFY THE OWNER AND ENGINEER OF RECORD. MAJOR CHANGES IN SEQUENCING AND/OR METHODS REQUIRE REGULATORY APPROVAL PRIOR TO IMPLEMENTATION.
1. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING. THE LIMITS OF DISTURBANCE SHOULD BE FLAGGED IN THE FIELD AS NECESSARY TO FACILITATE THE PRE-CONSTRUCTION MEETING.
  2. CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION MEETING TO DISCUSS THE PROPOSED WORK AND EROSION AND SEDIMENTATION CONTROL MEASURES. THE MEETING SHOULD BE ATTENDED BY THE OWNER, THE OWNER'S REPRESENTATIVE(S), THE GENERAL CONTRACTOR, DESIGNATED SUB-CONTRACTORS AND THE PERSON, OR PERSONS, RESPONSIBLE FOR THE IMPLEMENTATION, OPERATION, MONITORING, AND MAINTENANCE OF THE EROSION AND SEDIMENTATION MEASURES. THE CONSTRUCTION PROCEDURES FOR THE ENTIRE PROJECT SHALL BE REVIEWED AT THIS MEETING.
  3. NOTIFY THE PROJECT DEVELOPER AND THE TOWN OF WATERFORD AGENT AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF ANY DEMOLITION, CONSTRUCTION, OR REGULATED ACTIVITY ON THIS PROJECT.
  4. NOTIFY CALL BEFORE YOU DIG (CBYD) AT 811, AS REQUIRED, PRIOR TO THE START OF CONSTRUCTION.
  5. INSTALL COMPOST FILTER SOCKS AS SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLANS.
  6. INSTALL UNDERGROUND ELECTRICAL CONDUIT.
  7. INSTALL STONE AND FOUNDATIONS AS NEEDED.
  8. INSTALL PROPOSED BESS EQUIPMENT.
  9. AFTER THE SITE IS STABILIZED AND WITH THE APPROVAL OF THE PERMITTEE AND TOWN OF WATERFORD AGENT, REMOVE PERIMETER EROSION AND SEDIMENTATION CONTROLS.
  10. PERFORM PROJECT CLEAN UP.

Scale For Microfinishing  
Millimeters  
Inches

**TYPICAL CONSTRUCTION OPERATION AND MAINTENANCE PLAN**

E&S MEASURE	INSPECTION SCHEDULE	MAINTENANCE REQUIRED
CONSTRUCTION ENTRANCE	DAILY	PLACE ADDITIONAL STONE, EXTEND THE LENGTH OR REMOVE AND REPLACE THE STONE. CLEAN PAVED SURFACES OF TRACKED SEDIMENT.
TOPSOIL/BORROW STOCKPILES	DAILY	REPAIR/REPLACE SEDIMENT BARRIERS AS NECESSARY.
SILT FENCE	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25"	REPAIR/REPLACE WHEN FAILURE OR DETERIORATION IS OBSERVED. REMOVE SILT WHEN IT REACHES HALF THE HEIGHT OF FENCE.
COMPOST FILTER SOCK	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25"	REPAIR/REPLACE WHEN FAILURE OR DETERIORATION IS OBSERVED.
STRAW WATTLE	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25"	REPAIR/REPLACE WHEN FAILURE OR DETERIORATION IS OBSERVED.
TEMPORARY SOIL PROTECTION	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25"	REPAIR ERODED OR BARE AREAS IMMEDIATELY. RESEED AND MULCH.

no. | date | by | ckd | description

**FOR BID - NOT FOR CONSTRUCTION**



date	09/13/2024	detailed	J. TAO
designed	J. TAO	checked	L. MONZON

**40 NORWICH RD BESS PROJECT, LLC**

300 SPECTRUM CENTER DRIVE, SUITE 500  
IRVINE, CA

40 NORWICH ROAD BESS  
40 NORWICH RD  
WATERFORD, CT

EROSION & SEDIMENT CONTROL NOTES

project	175583	contract	
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drawing **EC001** rev. **1**

sheet of sheets  
file





**LEGAL DESCRIPTION:**

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE TOWN OF WATERFORD IN THE COUNTY OF NEW LONDON, STATE OF CONNECTICUT, AND IS DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEASTERLY CORNER OF THE HEREIN DESCRIBED PROPERTY MARKED BY AN IRON PIN SET BY THE DEPARTMENT OF TRANSPORTATION,  
 THENCE: N 86°48'20" W ALONG THE NORTHWESTERLY HIGHWAY LINE OF CONNECTICUT ROUTE 32, 10.00 FEET TO A POINT MARKED BY A CONNECTICUT HIGHWAY DEPARTMENT MONUMENT NOT FOUND.  
 THENCE: N 88°21'57" W ALONG LAND NOW OR FORMERLY OF PAUL AND WILLIAM ANASTASIOU 235.82 FEET TO A POINT,  
 THENCE: N 22°22'22" W ALONG LAND NOW OR FORMERLY OF MICHAEL AND BETH MASKELL 156.78 FEET TO A POINT,  
 THENCE: N 86°36'40" E ALONG LAND NOW OR FORMERLY OF UNITED CEREBRAL PALSY 295.84 FEET TO A POINT ON THE WESTERLY HIGHWAY LINE OF CONNECTICUT ROUTE 32,  
 THENCE: S 03°23'20" E ALONG THE WESTERLY HIGHWAY LINE OF CONNECTICUT ROUTE 32, 170.05 FEET TO THE POINT AND PLACE OF BEGINNING.

SAID PARCEL HAVING AN AREA OF 42,715 SQUARE FEET, 0.98 ACRES

**BASIS OF COORDINATES:**

THE COORDINATES ARE REFERENCED TO CONNECTICUT STATE PLANE COORDINATE SYSTEM NORTH AMERICAN DATUM 1983 (NAD83) WAS USED AS THE BASIS OF COORDINATES FOR THIS SURVEY.

**BASIS OF ELEVATION:**

ELEVATIONS ARE REFERENCE TO NGVD 29 AS DETERMINED LOCALLY BY PUBLISHED BM 1309, WITH A NGVD 29 ELEVATION OF 162.20 FT.

BENCHMARK POINT IS THE STATION MARK IS A STANDARD CTGS BENCHMARK BRASS DISK, STAMPED 1309, SET INTO THE TOP OF THE SOUTH END OF A CONCRETE HEADWALL. TO REACH THE STATION FROM THE INTERSECTION OF CT ROUTE 32 (MOHEGAN AVENUE EXTENSION) AND CT ROUTE 693 (MONTVILLE CONNECTOR), PROCEED NORTHWEST ON CT ROUTE 693 FOR 0.45 MI. TO THE STATION ON THE RIGHT (NORTH). THE STATION IS LOCATED 43.7 FT. SOUTHEAST OF A CL&P HIGH TENSION LINE POLE, 28 FT. NORTH OF THE NORTH EDGE OF CT ROUTE 693 (WESTBOUND), 7 FT. SOUTHEAST OF THE NORTHWEST END OF THE SAME CONCRETE HEADWALL, AND 7 FT. SOUTHEAST OF THE CENTERLINE OF THE CL&P HIGH TENSION LINE CROSSING.

**BENCHMARK COORDINATES AND DATA SHEET:**

N: 714103'  
 E: 1175229'  
 EL: 162.20'

LINK TO MONUMENT DATA SHEET:

**NOTES:**

- ALL DIMENSIONS SHOWN ARE IN FEET AND DECIMALS THEREOF
- DISPLAYED CONTOURS ARE AT 1 FT INTERVALS
- CONSTRUCTION CONTROL COORDINATES ARE SHOWN ON THE MAP
- THE COORDINATES ARE REFERENCED TO CONNECTICUT STATE PLANE COORDINATE SYSTEM NAD83.
- THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY THE SURVEYOR.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES SHOWN IN THE PROJECT AREA.
- UNDERGROUND UTILITY LOCATION CONDUCTED ON SITE IS LIMITED TO A MAXIMUM DEPTH PENETRATION OF 3'-7' DEEP AND THE MINIMUM PIPE/UTILITY MUST BE 1" IN DIAMETER FOR EVERY FOOT OF SOIL IF IT IS TO BE LOCATED. THE DEPTH OF THE READING IS ALSO DEPENDENT ON THE COMPOSITION OF SOILS IN THE AREA BEING SURVEYED, PIPE MATERIALS AND INACCESSIBLE AREAS.
- WHILE IT IS THE INTENT OF THIS SURVEY TO CAPTURE ALL FEATURES IN THE DRAWING, IT SHOULD BE NOTED THAT PHOTOS (BOTH STILLS AND PANORAMICS) ARE INCLUDED FOR THE DESIGNING ENTITY AND ARE PROVIDED AS SUCH. THE USE OF BOTH DRAWINGS AND PHOTOS ARE THE RESPONSIBILITY OF THE DESIGN ENTITY IN PROVIDING IT'S DESIGN. IF THERE IS A DISCREPANCY FOUND, IT SHOULD BE IDENTIFIED DURING THE DESIGN PHASE AND NOT AFTER MANUFACTURING OR CONSTRUCTION PHASE HAS BEGUN. ALL ITEMS SHOULD BE FIELD VERIFIED BY CONTRACTORS AND SUBCONTRACTORS. IF A DISCREPANCY IS NOTED, IT SHOULD BE BROUGHT TO VARA3D'S ATTENTION IMMEDIATELY DURING THE DESIGN PHASE FOR REVIEW AND POSSIBLE CORRECTION TO THE AS-BUILT DRAWING BY VARA3D.
- SUBJECT PROPERTY HAS UNOBSTRUCTED VEHICULAR AND PEDESTRIAN ACCESS TO AND FROM NORWICH ROAD.

**FLOOD ZONE NOTE**

THE SURVEYED PROPERTY IS LOCATED WITHIN FLOOD ZONE "X", AREAS DETERMINED TO BE WITHIN AND OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, ACCORDING TO THE FLOOD INSURANCE RATE MAP INDEX, MAP NUMBER 09011C0361J EFFECTIVE 08/05/13.

**ZONING INFORMATION**

ZONES: ZONE WITHIN THE PROJECT AREA ARE C-G (GENERAL COMMERCIAL DISTRICT) AS DEFINED IN SECTION 8 OF TOWN OF WATERFORD, CONNECTICUT ZONING REGULATIONS.

**SITE RESTRICTIONS**

- C-G SETBACKS:  
 A-FRONT: 75'  
 B-REAR: 50'  
 C-SIDE: 30'
- C-G MAXIMUM BUILDING HEIGHT: 40'
- C-G MINIMUM LOT AREA: 30,000 SF.

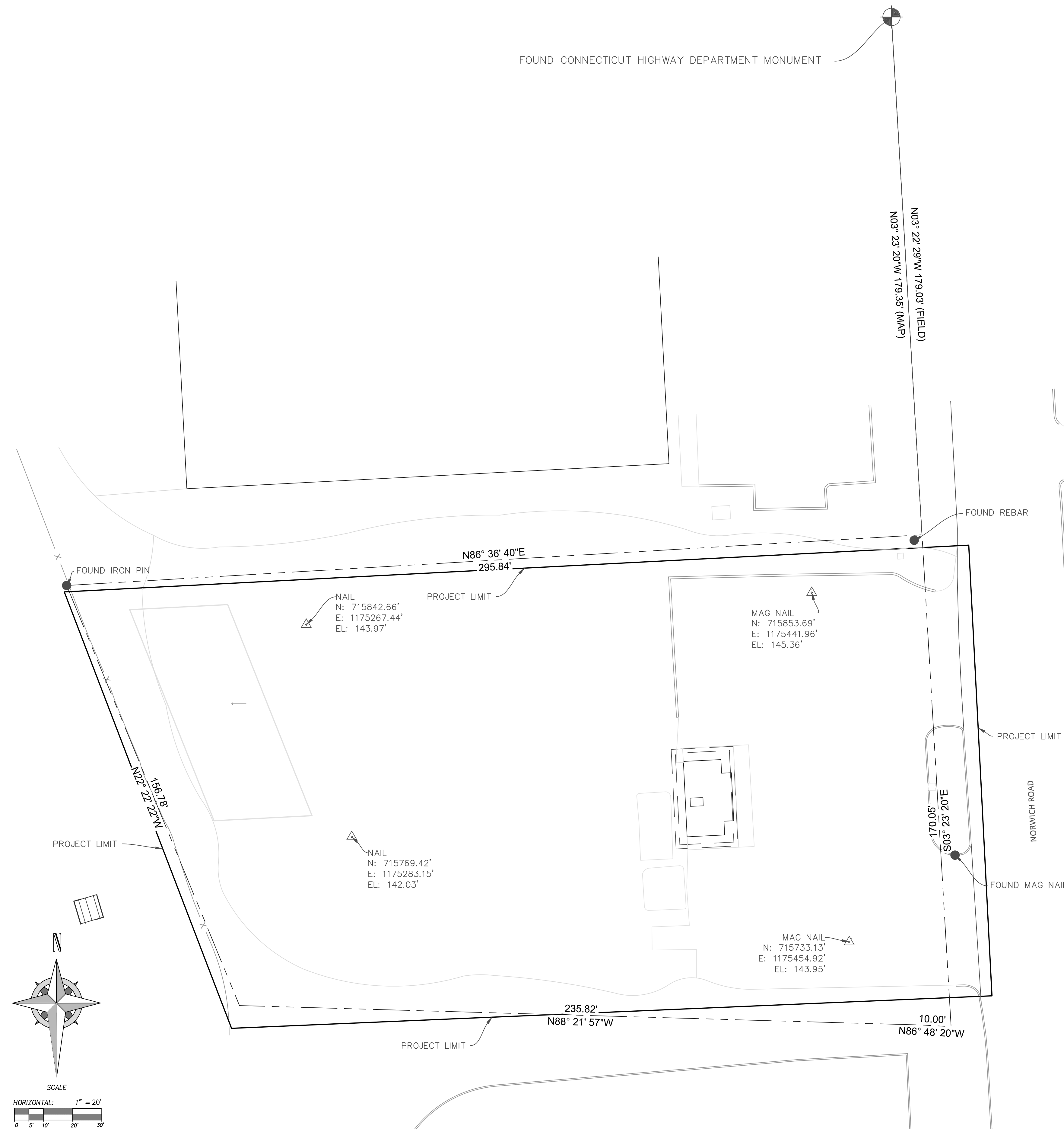
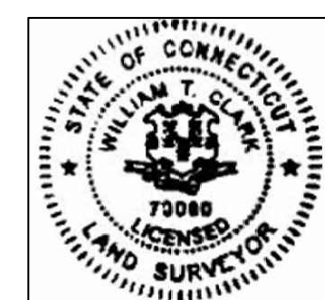
**SURVEYOR'S STATEMENT:**

TYPE OF SURVEY: ZONING LOCATION  
 BOUNDARY DETERMINATION CATEGORY: RESURVEY  
 CLASS OF ACCURACY: A-2

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH "THE STANDARDS AND SUGGESTED METHODS AND PROCEDURES FOR THE STATE OF CONNECTICUT" PREPARED AND ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC., ON AUGUST 29, 2019.

*William T. Clark*  
 WILLIAM T. CLARK, L.S. #70080

DATE: JULY 19, 2023



**LEGEND:**

- PROPERTY BOUNDARY
- BUILDING LINES AND OVERHANGS
- PROJECT CONTROL POINT
- FOUND MARKER AS NOTED

**PROJECT INFORMATION**

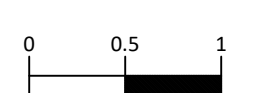
**QCELLS (40 NORWICH RD)**  
**40 NORWICH RD QUAKER HILL, CT 06375.**  
**TOPOGRAPHIC SURVEY**

REV.#	REVISION NOTES	DATE

CLIENT INFO

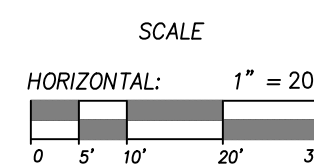
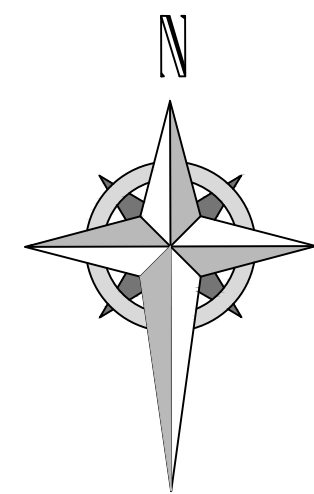


PROJECT NO. <b>23-SO-014</b>	Sheet <b>1</b>
DATE <b>JULY 2023</b>	<b>2</b>
HORIZONTAL SCALE <b>1" = 20'</b>	



SCALE MEASURES 1-INCH ON FULL SIZE (36x24) SHEETS. ADJUST ACCORDINGLY FOR REDUCED SIZE SHEETS.





LEGEND:

- DECIDUOUS TREE
- PROJECT CONTROL POINT
- FOUND MARKER AS NOTED
- PANORAMIC PHOTO LOCATION
- SPOT ELEVATION
- LIGHT POLE
- FIRE HYDRANT
- WATER METER
- SIGN
- POWER POLE
- PROPERTY BOUNDARY
- BUILDING LINES AND OVERHANGS
- UNDERGROUND ELECTRICAL LINE
- UNDERGROUND WATER LINE
- UNDERGROUND STORM LINE
- UNDERGROUND UNKNOWN LINE
- POWER LINE

PROJECT INFORMATION

**QCELLS (40 NORWICH RD)  
40 NORWICH RD QUAKER HILL, CT 06375.  
TOPOGRAPHIC SURVEY**

REV.#	REVISION NOTES	DATE

CLIENT INFO

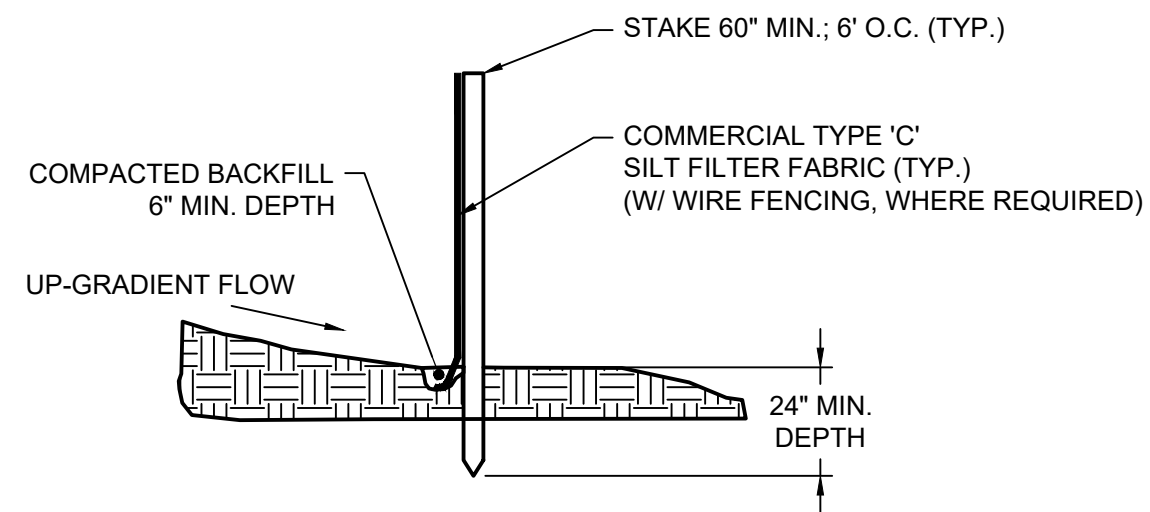


PROJECT NO: <b>23-SO-014</b>	Sheet <b>2</b>
DATE: <b>JULY 2023</b>	<b>2</b>
HORIZONTAL SCALE: <b>1" = 20'</b>	



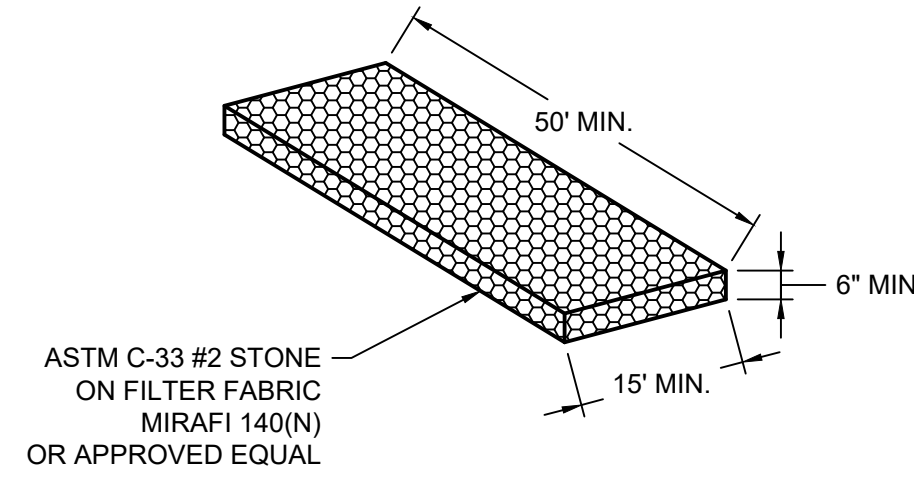
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ADJUST ACCORDINGLY FOR REDUCED SIZE SHEETS



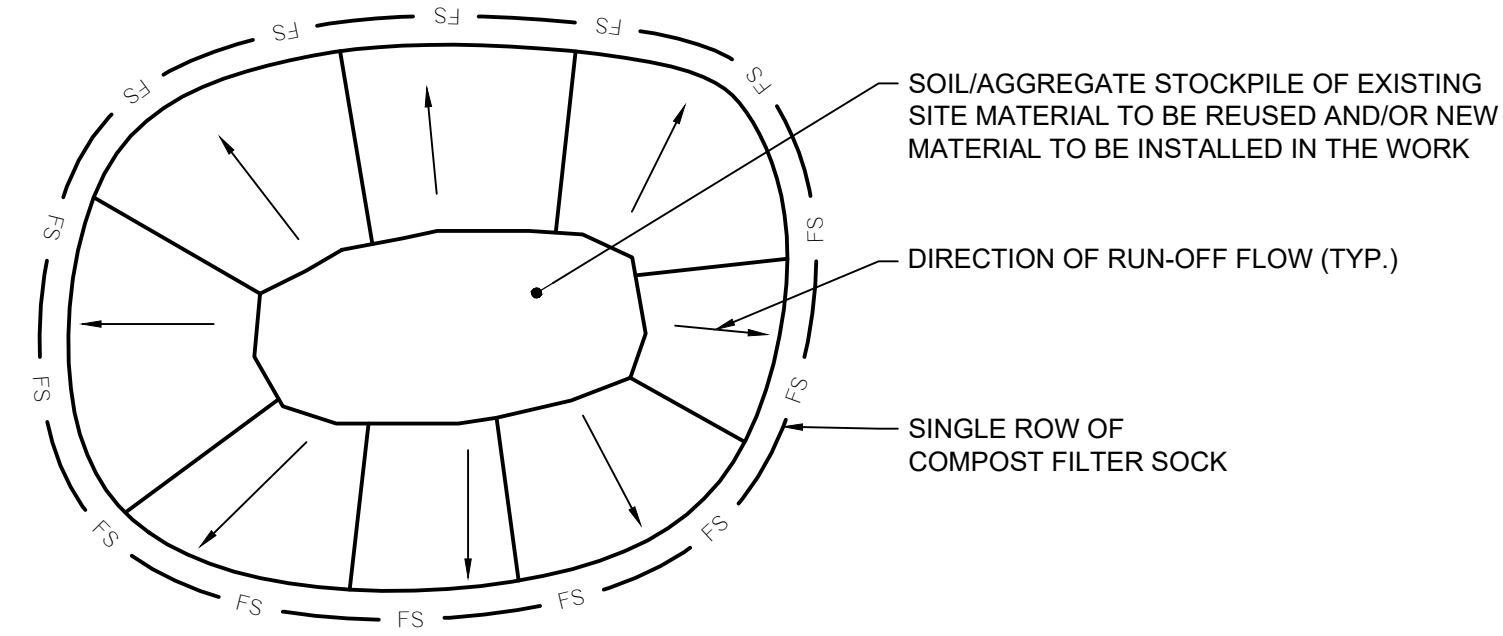


NOTES:  
1. SILT FENCE SHALL BE LAPPED ONLY WHEN NECESSARY PER THE MANUFACTURER RECOMMENDATIONS.

**1 SILT FENCE**  
EC002 NOT TO SCALE

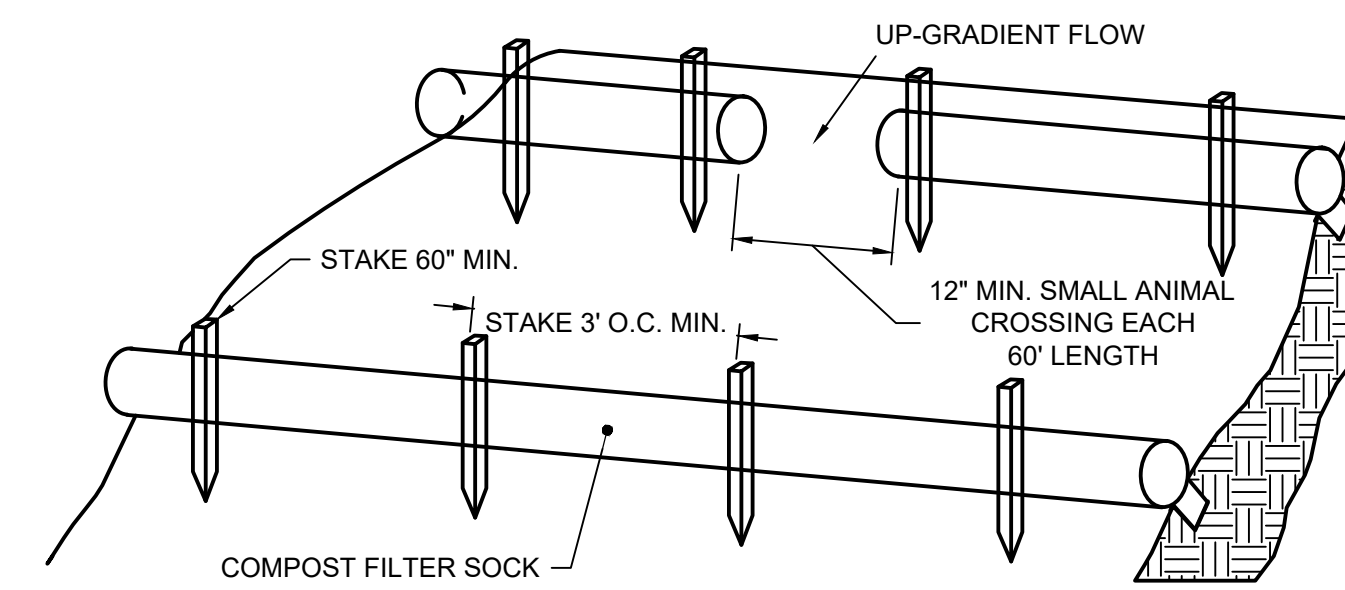


**2 CONSTRUCTION ENTRANCE**  
NOT TO SCALE



NOTES:  
1. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF.  
2. SOIL/AGGREGATE STOCKPILE SITES TO BE LOCATED WHERE SHOWN ON THE DRAWINGS.  
3. RESTORE STOCKPILE SITES TO PRE-EXISTING CONDITIONS AND RESEED AS REQUIRED.  
4. STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.

**3 MATERIALS STOCKPILE**  
NOT TO SCALE



NOTES:  
1. BEGIN AT THE LOCATION WHERE THE SOCK IS TO BE INSTALLED BY EXCAVATING A 2-3" DEEP BY 9" WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP SLOPE FROM THE ANCHOR TRENCH.  
2. PLACE THE SOCK IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE SOCK ON THE UPHILL SIDE. SOCKS SHALL BE INSTALLED IN 60' CONTINUOUS LENGTHS WITH ADJACENT SOCKS TIGHTLY ABUT. EVERY 60' THE SOCK ROW SHALL BE SPACED 12" CLEAR, END TO END, FOR AMPHIBIAN AND REPTILE TRAVEL. THE OPEN SPACES SHALL BE STAGGERED MID LENGTH OF THE NEXT DOWN GRADIENT SOCK.  
3. SECURE THE SOCK WITH 18-24" STAKES EVERY 3-4' AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE SOCK LEAVING AT LEAST 2-3" OF STAKE EXTENDING ABOVE THE SOCK. STAKES SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE.

**4 COMPOST FILTER SOCK**  
NOT TO SCALE



no.	date	by	ckd	description
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**FOR BID - NOT FOR CONSTRUCTION**



date	09/13/2024	detailed	J. TAO
designed	J. TAO	checked	L. MONZON

**40 NORWICH RD  
BESS PROJECT, LLC**

300 SPECTRUM CENTER DRIVE, SUITE 500  
IRVINE, CA

40 NORWICH ROAD BESS  
40 NORWICH RD  
WATERFORD, CT

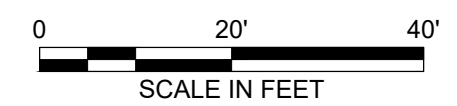
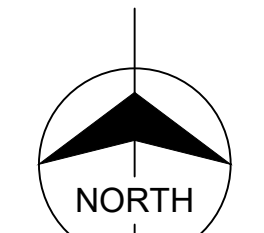
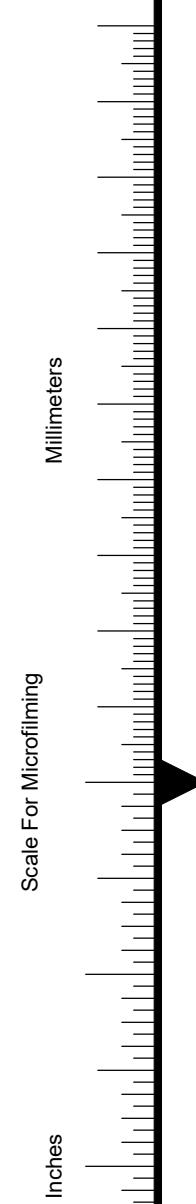
EROSION & SEDIMENT CONTROL  
DETAILS

project	175583	contract	
drawing		rev.	

**EC002** of **1**

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date	09/13/2024	detailed	J. TAO
designed	J. TAO	checked	L. MONZON

**40 NORWICH RD  
BESS PROJECT, LLC**

300 SPECTRUM CENTER DRIVE, SUITE 500  
IRVINE, CA

40 NORWICH ROAD BESS  
40 NORWICH RD  
WATERFORD, CT

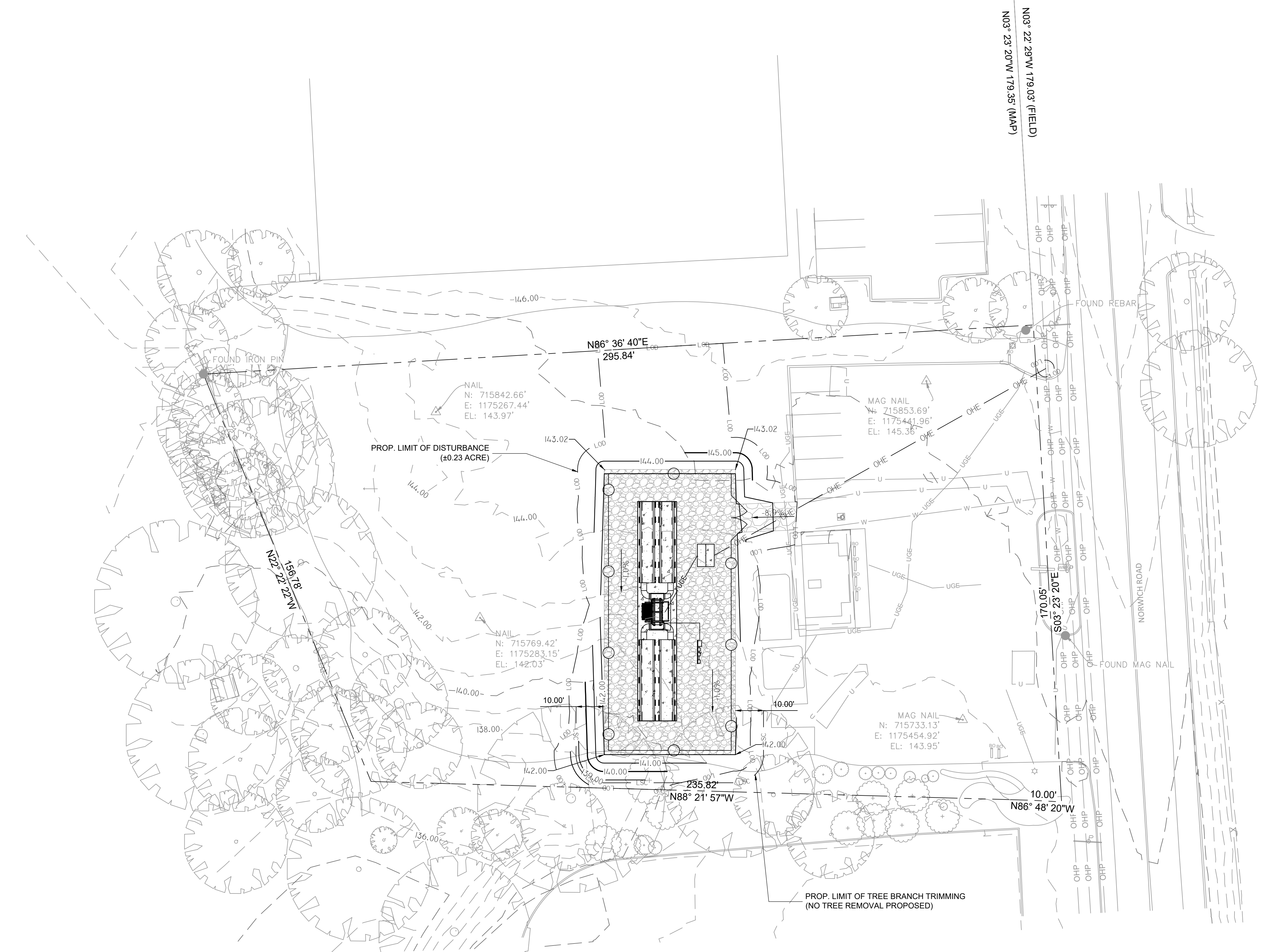
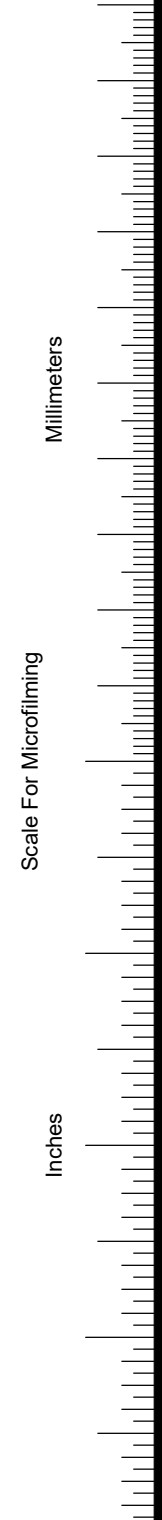
EROSION & SEDIMENT CONTROL  
PLAN

project	175583	contract	
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designed	J. TAO	checked	L. MONZON

**40 NORWICH RD  
BESS PROJECT, LLC**

300 SPECTRUM CENTER DRIVE, SUITE 500  
IRVINE, CA

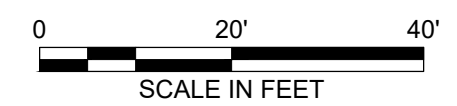
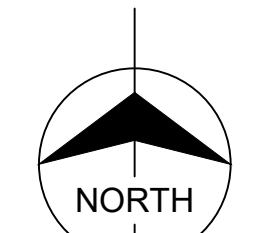
40 NORWICH ROAD BESS  
40 NORWICH RD  
WATERFORD, CT

GRADING PLAN

project	175583	contract	
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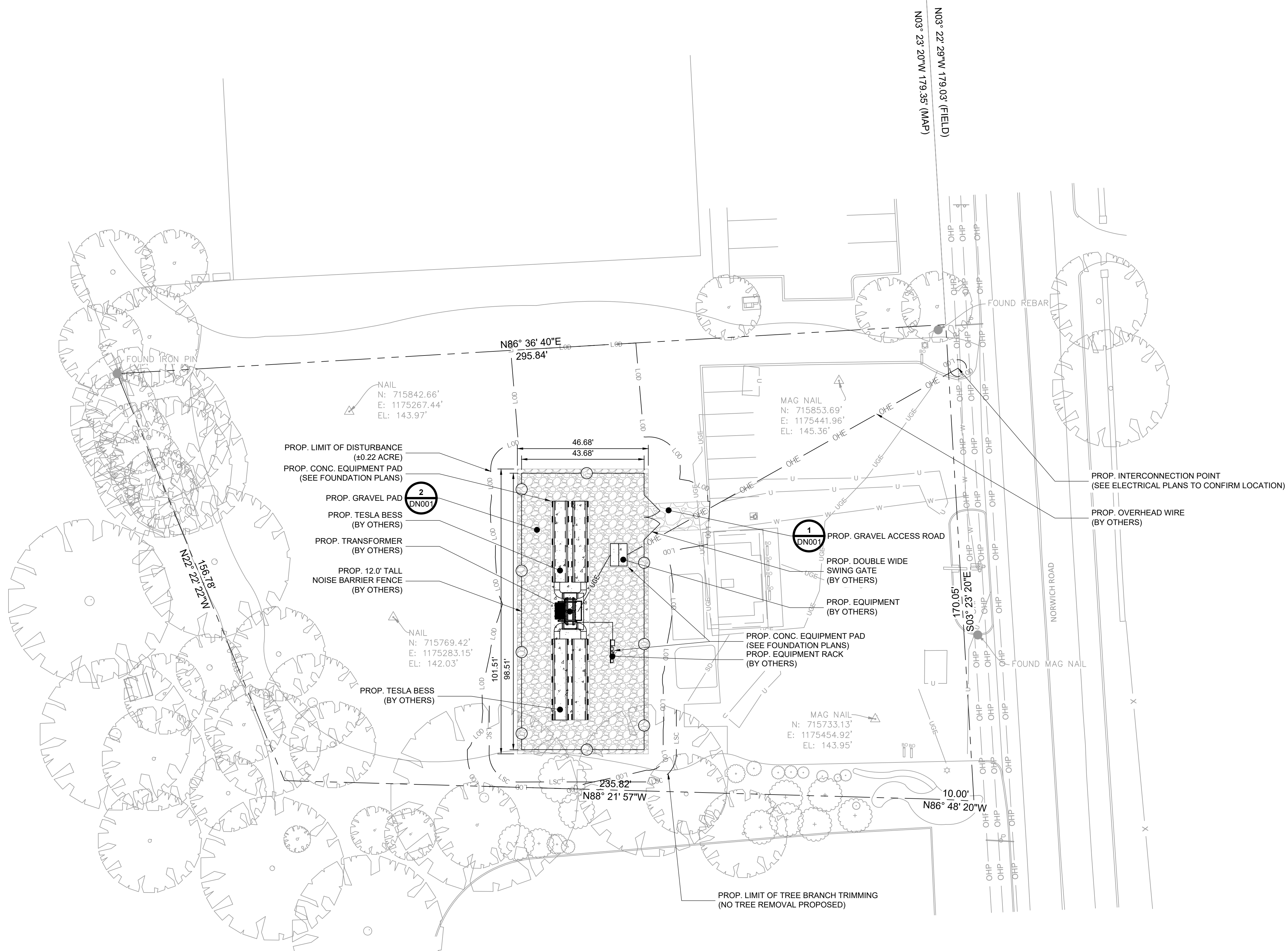




Scale For Microfilming

Millimeters

Inches



**FOR BID - NOT FOR CONSTRUCTION**



date	09/13/2024	detailed	J. TAO
designed	J. TAO	checked	L. MONZON

**40 NORWICH RD BESS PROJECT, LLC**

300 SPECTRUM CENTER DRIVE, SUITE 500  
IRVINE, CA

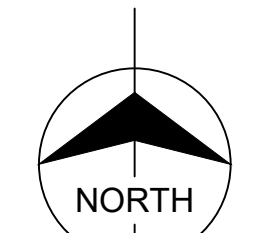
40 NORWICH ROAD BESS  
40 NORWICH RD  
WATERFORD, CT

SITE & UTILITY PLAN

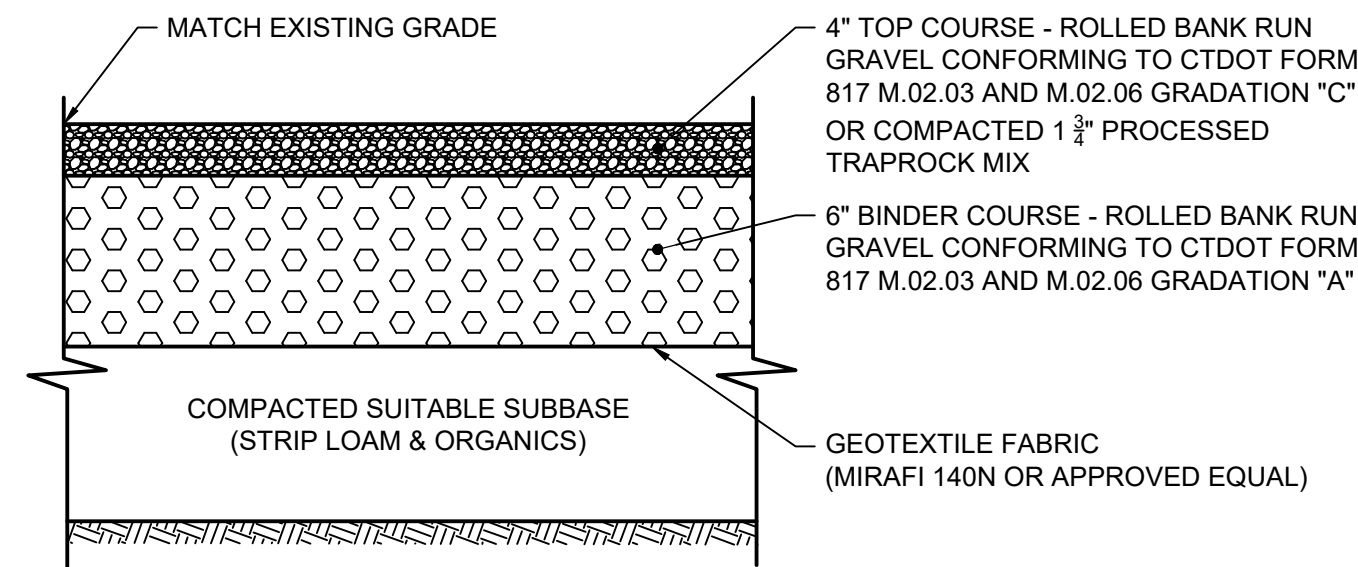
project	175583	contract	
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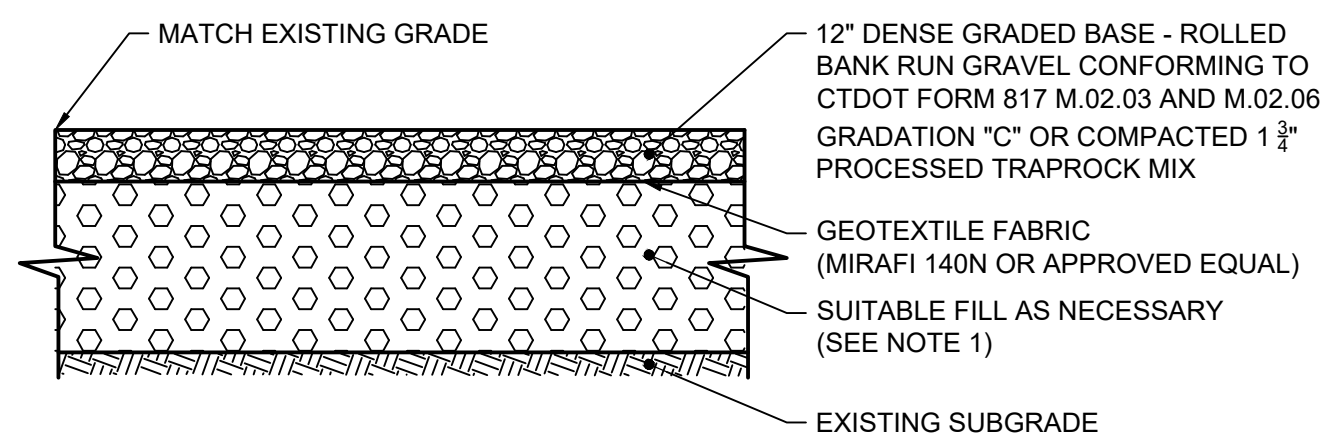






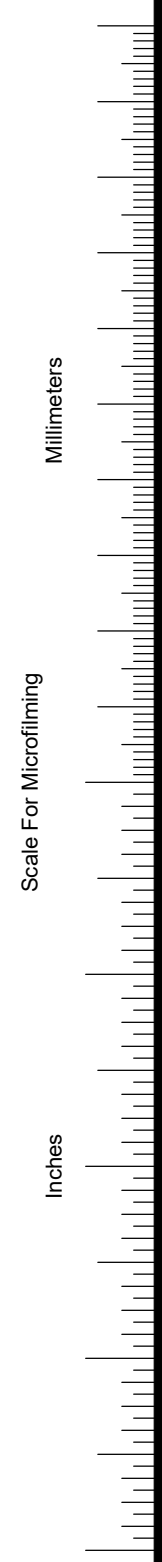
- NOTES:**
- SUBBASE MAY CONSIST OF NATIVE MATERIALS IF FOUND ACCEPTABLE BY THE ENGINEER. SUBBASE TO BE COMPACTED TO 95% MAX DRY DENSITY PER ASTM D1157.
  - SUBBASE IS TO BE FREE FROM DEBRIS, ROOTS, ORGANIC MATTER, FROZEN MATTER, AND STONES HAVING DIMENSIONS GREATER THAN 2 INCHES OR OTHERWISE UNSUITABLE MATERIALS.

**GRAVEL ACCESS DRIVE SECTION 1**  
NOT TO SCALE



- NOTES:**
- SUBCONTRACTOR TO STRIP MATERIAL/SUBSOIL, TOPSOIL, AND VEGETATION AND PLACE SUITABLE FILL AS NECESSARY.
  - SUBBASE IS TO BE FREE FROM DEBRIS, ROOTS, ORGANIC MATTER, FROZEN MATTER, AND STONES HAVING DIMENSIONS GREATER THAN 2 INCHES OR OTHERWISE UNSUITABLE MATERIALS.

**GRAVEL PAD SECTION 2**  
NOT TO SCALE



no.	date	by	ckd	description
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**FOR BID - NOT FOR CONSTRUCTION**



date 09/13/2024	detailed J. TAO
designed J. TAO	checked L. MONZON

**40 NORWICH RD  
BESS PROJECT, LLC**

300 SPECTRUM CENTER DRIVE, SUITE 500  
IRVINE, CA

40 NORWICH ROAD BESS  
40 NORWICH RD  
WATERFORD, CT

SITE DETAILS

project 175583	contract
drawing <b>DN001</b>	rev. <b>1</b>
sheet of	sheets
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