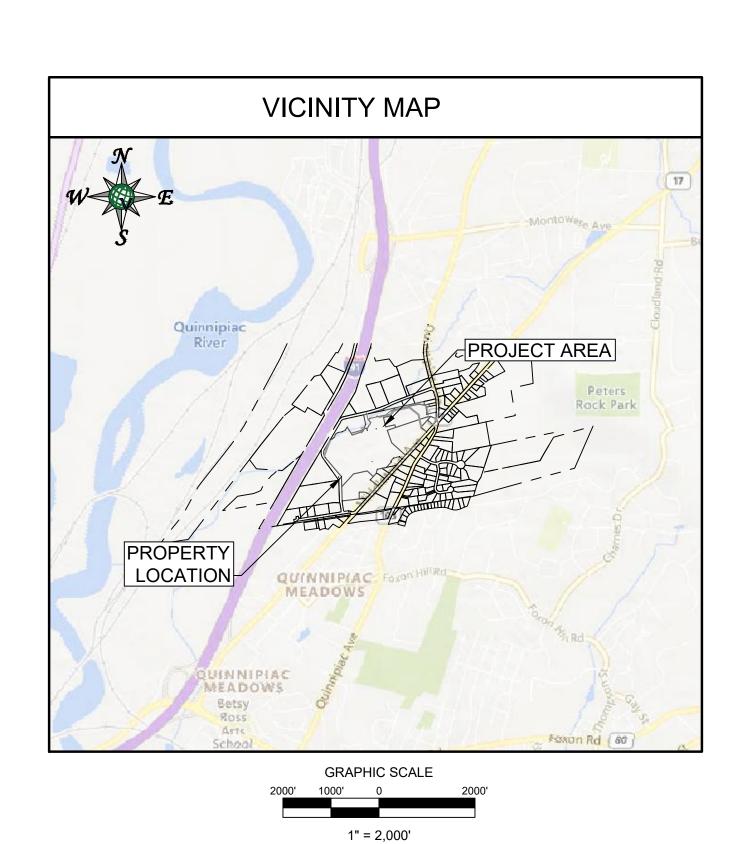
CT SOLAR PDF, LLC - SITE CIVIL PERMIT PLANS -

60 MIDDLETOWN AVENUE NORTH HAVEN, CT 06473 JUNE 2023





| | TABLE OF DRAWINGS |
|---------|---|
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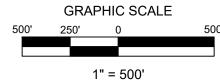


THESE PLANS HAVE BEEN CREATED ON ANSI D (22" X 34") SHEETS. FOR REDUCTIONS REFER TO GRAPHIC SCALE.

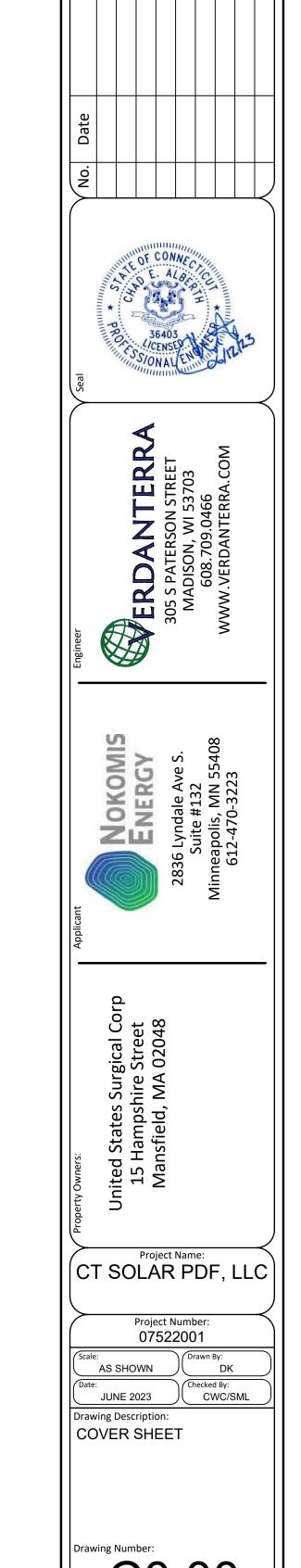
THESE PLANS ARE INTENDED FOR FULL COLOR PLOTTING. ANY SET THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.

ISSUED FOR PERMITTING

NOT FOR CONSTRUCTION







<u>SURVEY NOTES:</u>

- PROPERTY BOUNDARIES AND EXISTING TOPOGRAPHIC DATA WERE TAKEN FROM A SURVEY ENTITLED "PROPERTY / BOUNDARY SURVEY, LANDS OF UNITED STATES SURGICAL CORPORATION, MAP 3 LOTS 7 & 10, MAP 6 LOTS 26, 27, 28, & 29" BY MARTIN SURVEYING ASSOCIATES, LLC, DATED 04/05/2023.
- 2. THE SURVEY WAS PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND "THE MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" ADOPTED JUNE 21, 1996; AMENDED OCTOBER 26, 2018.
- THE TYPE OF SURVEY PERFORMED AND THE MAPPED FEATURES DEPICTED HEREON ARE IN ACCORDANCE WITH THE REQUIREMENTS OF A PERIMETER SURVEY AND IS INTENDED TO DEPICT THE OVERALL PARCEL AND TOPOGRAPHIC FEATURES WITHIN A SCOPE DEFINED BY THE CLIENT.
- 4. THE PROPERTY / BOUNDARY OPINION / DETERMINATION IS BASED UPON A RESURVEY OF MAP REFERENCE J-399-C.
- THE HORIZONTAL DATUM FOR THIS PLAN IS REFERENCED TO THE NAD83 CONNECTICUT STATE PLANE COORDINATE SYSTEM, NAD83F ZONE, US SURVEY FEET,
- 6. THE HORIZONTAL BASELINE CONFORMS TO A CLASS A-2 ACCURACY.
- THE NORTH ARROW AND BEARINGS ARE BASED UPON THE CONNECTICUT STATE COORDINATE SYSTEM N.A.D. 1983 (2011). THE ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) USING GEOID 18. COORDINATES AND ELEVATIONS WERE DETERMINED FROM RTK GPS OBSERVATIONS MADE ON MARCH 2, 2023, USING THE CT DOT RTK NETWORK KNOWN AS ACORN (CTGU BASE), HAVING THE FOLLOWING VALUES:

LATITUDE = $N41^{\circ}17'21.74228''$ LONGITUDE = $W72^{40}04.44433$ " ELLIPSOID HEIGHT = 18.108M

- THE FEATURES DEPICTED HEREON ARE THE RESULT OF A FIELD SURVEY CONDUCTED FEBRUARY THROUGH MARCH, 2023.
- UNDERGROUND UTILITIES, STRUCTURES, AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON ARE BASED UPON OBSERVABLE SURFACE EVIDENCE WHILE CONDUCTING THE FIELD SURVEY. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE WHICH IS UNKNOWN TO MARTIN SURVEYING ASSOCIATES, LLC. ALL CONTRACTORS ARE REQUIRED TO CONTACT ALL-BEFORE-YOU-DIG AT 1-800-922-4455 FOR LOCATION AND OR STAKEOUT OF ANY UTILITY PRIOR TO ANY EXCAVATION.
- 10. THE TOPOGRAPHIC PORTION OF THIS SURVEY CONFORMS TO THE FOLLOWING STANDARDS. THE HORIZONTAL BASELINE CONFORMS TO A CLASS A-2 ACCURACY. THE VERTICAL BASELINE CONFORMS TO A CLASS V-2 ACCURACY.

THE TOPOGRAPHIC FEATURES CONFORM TO A CLASS T-2 ACCURACY.

11. SOIL DATA IS REFERENCED TO THE NRCS SOIL SURVEY.

WETLAND NOTE

THERE ARE NO WETLANDS DELINEATED ON SITE DURING A FIELD STUDY PERFORMED BY DAVISON ENVIRONMENTAL IN JANUARY 2023. FLAGS WERE PROVIDED TO LOCATE LITTLE RIVER.

FLOODPLAIN NOTE:

1. THE SUBJECT PROPERTY LIES WITHIN "ZONE X, AREA OF MINIMAL FLOODING" ACCORDING TO THE FLOOD INSURANCE RATE MAP (COMMUNITY PANEL NUMBER 09009C0453K, EFFECTIVE DATE OF MAY 16, 2017) PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA).

GENERAL NOTES:

- THE PROJECT HORIZONTAL COORDINATE SYSTEM FOR THIS PLAN IS REFERENCED TO THE CONNECTICUT STATE PLANE COORDINATE SYSTEM, CT83F ZONE, US SURVEY FEET, NAD83.
- 2. THE VERTICAL DATUM FOR THIS PLAN IS REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88)
- TOPOGRAPHIC SURVEY INFORMATION DATA IS FROM LIDAR ELEVATIONS AVAILABLE FROM NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) DATA.
- EXISTING UTILITIES ARE APPROXIMATE AND SHOULD BE VERIFIED BY CONTRACTOR. DIGSAFE SHALL BE NOTIFIED A MINIMUM OF 72-HOURS PRIOR TO COMMENCING ANY EXCAVATION.
- THIS IS A PRELIMINARY DESIGN PLAN. FINAL DESIGN SHALL BE MODIFIED BY CONTRACTOR TO MATCH FINAL ELECTRICAL INTERCONNECTION STUDIES, EQUIPMENT PURCHASED, AND POSSIBLE PERMIT CONSTRAINTS REVEALED DURING PROJECT'S REVIEW.
- 6. ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE PROJECT GEOTECHNICAL REPORT, AND ANY OTHER APPLICABLE TECHNICAL REPORTS. WHERE INDICATED, STATE AND/OR LOCAL STANDARD SPECIFICATIONS SHALL
- THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING STATE AND FEDERAL REQUIREMENTS WITH RESPECT TO STORMWATER DISCHARGE.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN OR ADJACENT TO THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- CONSTRUCTION SHALL NOT OCCUR IN ANY PUBLIC RIGHTS OF WAY, PUBLIC OR PRIVATE EASEMENTS, BEYOND THE LIMITS OF DISTURBANCE. OR OUTSIDE THE PROPERTY LIMITS WITHOUT NECESSARY PERMITS. ANY PUBLIC OR PRIVATE PROPERTY OR IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE COST OF THE CONTRACTOR.
- 10. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT OF WAY. OVERNIGHT PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 11. ALL PROPERTY CORNERS OR MONUMENTS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL PROPERTY CORNERS MUST BE RESET BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT.
- 12. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS CONTROLLING THE POLLUTION OF THE ENVIRONMENT.
- 13. CONTRACTOR TO ENSURE ALL WORK PERFORMED IS IN ACCORDANCE WITH EXISTING PROJECT PERMITS, STUDIES, AND REPORTS PROVIDED IN THE CONTRACT DOCUMENTS INCLUDING STATE STORMWATER MANAGEMENT PERMIT AND LOCAL ORDINANCE.
- 14. IT IS THE INTENT OF THESE PLANS THAT THE CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE THE IDENTIFIED PROJECT BOUNDARIES AND CLEARING LIMITS.
- 15. IT IS THE INTENT OF THESE PLANS THAT THE CONTRACTOR AVOID "FILLING" WETLANDS AT ALL COSTS. WHEREVER PRACTICABLE, NO DISTURBANCE ACTIVITIES SHOULD TAKE PLACE WITHIN 50 FEET OF ANY PROTECTED NATURAL RESOURCES. IF DISTURBANCE ACTIVITIES SHOULD TAKE PLACE UPGRADIENT OF AND BETWEEN 30 AND 50 FEET OF ANY PROTECTED NATURAL RESOURCES, PERIMETER EROSION CONTROLS MUST BE DOUBLED. IF DISTURBANCE ACTIVITIES TAKE PLACE UPGRADIENT OF AND LESS THAN 30 FEET FROM ANY PROTECTED NATURAL RESOURCE, PERIMETER CONTROLS MUST BE DOUBLED AND DISTURBED AREAS MUST BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 7 DAYS.
- 16. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE THROUGHOUT THE CONSTRUCTION OF THE PROJECT.
- 17. CONTRACTOR SHALL FIELD FIT ANY PROPOSED CULVERT INVERTS TO PROVIDE POSITIVE DRAINAGE IN THE DIRECTION OF EXISTING SLOPES. ALL CULVERTS TO BE INSTALLED AT ADEQUATE DEPTHS AND TO DAYLIGHT. INLETS AND OUTLETS OF ALL CULVERTS TO BE STABILIZED WITH RIP RAP IN ACCORDANCE WITH THE SITE GRADING & DRAINAGE PLAN.
- 18. EXISTING ACCESS ROADS TO BE MAINTAINED SHALL BE PROOF ROLLED, SMOOTHED, AND RESURFACED AS NECESSARY TO PROVIDE AN ACCEPTABLE SURFACE.
- 19. THE CONTRACTOR SHALL SECURE PERMITS FROM THE STATE AND TOWN OF NORTH HAVEN AS NECESSARY BEFORE DRIVING CONSTRUCTION EQUIPMENT OVER AND ACROSS STATE AND TOWN MAINTAINED ROADS.
- 20. ALL WORK IN THE PUBLIC RIGHTS OF WAY SHALL CONFORM WITH THE CONNECTICUT DEPARTMENT OF TRANSPORTATION "HIGHWAY DESIGN MANUAL".

| PROJECT DEVELOPER / APPLICANT CT SOLAR PDF, LLC 2836 LYNDALE AVENUE S MINNEAPOLIS, MN 55408 | PARCEL OWNERSHIP UNITED STATES SURGICAL CORPORATION TAX MAP: 3 LOTS: 7 & 10 TAX MAP: 6 LOTS: 26-29 15 HAMPSHIRE STREET MANSFIELD, MA 02048 |
|--|---|
| CIVIL ENGINEER VERDANTERRA, INC. 305 S. PATERSON STREET MADISON, WI 53703 ph: 608.709.0466 LICENSED ENGINEER: CHAD E. ALBERTH STATE PE REG# PEN0036403 | SURVEYOR MARTIN SURVEYING ASSOCIATES, LLC 201 CHRISTIAN LANE BERLIN, CT 06037 ph: 860-832-9328 DATE OF SURVEY: 04/05/2023 |

DEMOLITION NOTES

- 1. THE INTENT OF THE DEMOLITION PLAN IS TO IDENTIFY EXISTING STRUCTURES REQUIRING DEMOLITION FOR THE CONSTRUCTION OF THE PROPOSED SOLAR ARRAY. THIS PLAN DOES NOT SHOW DEMOLITION ACTIVITIES IN DETAIL. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY EXISTING CONDITIONS, AND CONDUCT NECESSARY INVESTIGATIONS, MATERIAL SAMPLING, OR BUILDING ASSESSMENTS NECESSARY TO ACCOUNT FOR DEMOLITION, REMOVAL, AND PROPER DISPOSAL OF CONSTRUCTION & DEMOLITION DEBRIS TO MEET PROJECT GOALS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL RULES AND REGULATIONS.
- 2. CONTRACTOR SHALL COORDINATE DISCONNECTION AND CAPPING OF ALL UTILITY SERVICES WITH THE AUTHORITY HAVING JURISDICTION.
- 3. EXISTING UTILITIES ARE APPROXIMATE AND SHOULD BE VERIFIED BY CONTRACTOR. DIGSAFE SHALL BE NOTIFIED A MINIMUM OF 72-HOURS PRIOR TO COMMENCING ANY EXCAVATION.

CONTRACTOR NOTES:

CONTRACTOR SHALL MAINTAIN THE PROJECT SITE IN ACCORDANCE WITH THE FOLLOWING PERFORMANCE STANDARDS:

- SPILL PREVENTION: CONTROLS SHALL BE IN PLACE TO PREVENT POLLUTANTS FROM BEING DISCHARGED FROM MATERIALS USED AND STORED ONSITE. APPROPRIATE CONTROLS INCLUDE, BUT ARE NOT LIMITED TO, PROPER STORAGE PRACTICES THAT MINIMIZE EXPOSURE OF MATERIALS TO STORMWATER, AND APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING AND IMPLEMENTATION. ANY SPILL OR RELEASE OF TOXIC OR HAZARDOUS SUBSTANCES MUST BE REPORTED TO THE DEPARTMENT. FOR OIL SPILLS, CALL 1-800-482-0777. FOR SPILLS OF TOXIC OR HAZARDOUS MATERIAL, CALL 1-800-452-4664.
- GROUNDWATER PROTECTION: DURING CONSTRUCTION, THE CONTRACTOR MAY NOT STORE OR HANDLE LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER IN AREAS OF THE PROJECT SITES DRAINING TO AN INFILTRATION AREA OR WITHIN 100 FEET OF A CRITICAL RESOURCE AREA OR STREAM. DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORING AND HANDLING LIQUID HAZARDOUS MATERIALS.
- FUGITIVE SEDIMENT AND DUST: CONTRACTOR SHALL TAKE ALL NECESSARY ACTIONS TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION, CONTRACTOR SHALL MONITOR VEHICLES ENTERING AND EXITING THE PROJECT SITE FOR EVIDENCE OF TRACKING MUD ONTO PUBLIC OR PRIVATE ROADWAYS OUTSIDE THE WORK AREA. IF NECESSARY, CONTRACTOR SHALL PROVIDE MEANS FOR SWEEPING AND CLEANING ROAD AREAS EXPERIENCING TRACKING. DURING THE MUD SEASON IT MAY BE NECESSARY TO INCREASE THE SIZE OF STABILIZED CONSTRUCTION ENTRANCES OR PROVIDE A WHEEL WASHING STATION.
- DEBRIS AND OTHER MATERIALS: CONTRACTOR SHALL MANAGE ALL LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER TO PREVENT MATERIALS FROM BECOMING A SOURCE OF
- TRENCH OR FOUNDATION DEWATERING: TRENCH DEWATERING IS THE REMOVAL OF WATER FROM TRENCHES, FOUNDATIONS, COFFER DAMS, PONDS, SUMPS, BASINS, AND OTHER AREAS WITHIN THE CONSTRUCTION AREA THAT RETAIN WATER AFTER EXCAVATION. IN MOST CASES THE COLLECTED WATER IS HEAVILY SILTED AND HINDERS CORRECT AND SAFE CONSTRUCTION PRACTICES. THE CONTRACTOR SHALL REMOVE COLLECTED WATER FROM THE PONDED AREAS, EITHER THROUGH GRAVITY OR PUMPING, IN A MANNER THAT SPREADS IT THROUGH NATURAL WOODED BUFFERS OR TO AREAS THAT ARE SPECIFICALLY DESIGNED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE (E.G. COFFERDAM SEDIMENT BASIN). THE CONTRACTOR SHALL AVOID PRACTICES THAT ALLOW SEDIMENT LADEN WATER FROM DEWATERING TO FLOW OVER DISTURBED AREAS OF THE PROJECT SITES, OTHER MEASURES OR METHODS MAY BE UTILIZED AS REVIEWED AND APPROVED BY THE ENGINEER AND, IF NECESSARY, THE CONNECTICUT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION.
- NON-STORMWATER DISCHARGES: THE CONTRACTOR SHALL IDENTIFY AND PREVENT CONTAMINATION BY NON-STORMWATER DISCHARGES.
- <u>'EMENTS:</u> COMPLETION OF THE WORK WILL REQUIRE FREQUENT ACCESS TO VARIOU PORTIONS OF THE PROJECT AREA FROM STATE AND LOCAL ROADWAYS . CONTRACTOR SHALL MONITOR PUBLIC ROADWAYS AND SHALL CLEAN PAVEMENT BY MEANS NECESSARY IN THE EVENT THAT SEDIMENT OR TRACKING IS OBSERVED. SIGNAGE SHALL BE POSTED AT INTERSECTIONS OF PROJECT ACCESS ROADS AND PUBLIC WAYS, STATING COMPANY NAME AND 24-HOUR CONTACT PHONE NUMBER.
- 8. <u>SNOW REMOVAL NOTE:</u> THE OPERATOR IS RESPONSIBLE TO MAINTAIN ACCESS DRIVE CLEAR FROM SNOW. THE ENTRANCE AND ACCESS DRIVE LEADING TO THE GATE WILL BE MAINTAINED BY CLEARING THE SNOW.

GENERAL GRADING NOTES:

- 1. ALL WORK RELATED TO ROAD CONSTRUCTION, SITE PREPARATION, AND GRAVEL INSTALLATION, AS SHOWN ON THIS PLAN, SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATION (FIRST PRIORITY), AND/OR STATE OR LOCAL STANDARD SPECIFICATIONS.
- 2. A GEOTECHNICAL ENGINEER DID NOT PROVIDE RECOMMENDATIONS FOR CONSTRUCTION. RECOMMENDATIONS HEREIN ARE BASED ON TYPICAL PRACTICES AND DO NOT ACCOUNT FOR SITE SPECIFIC SOIL CONDITIONS.
- 3. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES OR CLEARING LIMITS EXCEPT AS REQUIRED BY THIS PLAN.
- 4. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE. THIS SHOULD BE ACHIEVED BY CONSTRUCTING SILT FENCE OR EROSION CONTROL LOGS AT THE PROPERTY LINES AND WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.
- 5. EXCAVATED MATERIAL (NON-HAZARDOUS OR NON-CONTAMINATED) MAY BE TEMPORARILY STOCKPILED IN DESIGNATED AREAS AS DIRECTED BY THE OWNER. TOPSOIL TO BE STOCKPILED SEPARATELY. EXCESS EXCAVATED MATERIAL CAN BE SPREAD ON SITE. CATWALK THE SPREAD MATERIAL USING DIRECTIONAL TRACKING PRACTICES, APPLY TOPSOIL, AND VEGETATE THE AREAS IN ACCORDANCE WITH THE EROSION AND SEDIMENTATION CONTROL PLAN.
- 6. EXCESS MATERIAL THAT IS REMOVED FROM THE SITE SHALL BE DISPOSED OF IN PROPER ACCORDANCE W/ ALL REGULATORY AUTHORITIES. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND STATE AUTHORITIES OF LOCATION OF DISPOSAL BEFORE MATERIAL IS REMOVED.
- 7. A DISPOSAL SITE FOR ANY AND ALL EXCESS EXCAVATION MATERIAL AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE ENGINEER AND OWNER.
- 8. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF SITE BENCHMARK PRIOR TO BEGINNING
- 9. FILL MATERIAL SHALL NOT CONTAIN DELETERIOUS MATERIALS OR ORGANIC MATTER. NO ROCK OR IRREDUCIBLE MATERIAL WITH A MINIMUM DIMENSION GREATER THAN 2 INCHES SHALL BE BURIED OR PLACED IN FILL.
- 10. CONDUCT EARTHWORK OPERATIONS ONLY IN AREA REQUIRED FOR IMMEDIATE CONSTRUCTION ACTIVITY AND THEN ONLY IF SEDIMENT CONTROL DEVICES ARE IN PLACE. MASS CLEARING AND GRADING OF THE SITE SHALL
- 11. COMPACTION REQUIREMENTS: 90% PER ASTM D-1557.

12. PROPOSED CONTOURS REPRESENT FINISHED GRADE.

PROJECT SCHEDULE:

SPECIFICS OF HOW WORK IS TO BE COMPLETED SHALL ALSO BE BASED ON ENVIRONMENTAL CONSIDERATIONS ASSOCIATED WITH SEASONAL CHANGES. THE FOLLOWING DATES ARE PROVIDED TO ESTABLISH A GENERAL GUIDELINE FOR THESE SEASONS:

> NOVEMBER 1 TO APRIL 15 MUD SEASON: – SPRING: – SUMMFR: – FALL:

APRIL 15 TO APRIL 30 MAY 1 TO JUNE 21 JUNE 22 TO SEPTEMBER 21 SEPTEMBER 22 TO OCTOBER 31

| | PARCEL DATA | |
|----------|-----------------------------|------------------------------------|
| TAX ID# | PROPERTY OWNER | SITE ADDRESS |
| '003 007 | UNITED STATES SURGICAL CORP | 195 MCDERMOTT ROAD, NORTH HAVEN |
| '006 029 | UNITED STATES SURGICAL CORP | 86 QUINNIPIAC AVE, NORTH HAVEN |
| '006 026 | UNITED STATES SURGICAL CORP | 60 MIDDLETOWN AVE, NORTH HAVEN |
| '003 010 | UNITED STATES SURGICAL CORP | 20 MIDDLETOWN AVE, NORTH HAVEN |

| ACCORDING TO THE NRCS SOIL SURVEY, THE FOLLOWING SOIL TYPES, REFER TO THE PL | |
|--|--------------------------|
| MAP UNIT SYMBOL MAP UNIT NAME | HYDROLOGIC SOIL GROUP |
| 307 Urban Land | D |

| ZONING DATA | | SITE DATA | |
|----------------------------|---------------|-------------------------------------|---------------------------|
| ZONING DISTRICT: | IL30 DISTRICT | EXISTING USE: | PROFESSIONAL BUSINESS |
| | 70,000,05 | PROPOSED USE: | SOLAR POWER GENERATION FO |
| MINIMUM LOT AREA | 30,000 S.F | | EX PROFESSIONAL BUSINESS |
| MINIMUM LOT WIDTH | 100' | | |
| REQUIRED YARD SETBACKS | | LOT AREA | 6-29 (7.55 AC.) |
| FRONT | 75' | LOT WIDTH | N/A INTERNAL |
| SIDE | 20' | | · |
| REAR | 40' | LOT AREA | 3-7 (31.34 AC.) |
| MAXIMUM BUILDING HEIGHT | 60' | LOT WIDTH | 1,151 FT |
| | | PROJECT/PRELIMINARY DISTURBED AREA: | 1.4 AC. |
| | | PRELIMIINARY SOLAR AREA: | 0.85 AC. |
| | | PROPOSED BUILDING HEIGHT | NO NEW BUILDINGS |

| | COVERAC | , E | |
|--------|--|--|---|
| LEGEND | EXISTING FEATURES | LEGEND | PROPOSED SITE FEATURES |
| | Edge Of Paved Surface Edge Of Gravel Or Crushed Stone Edge Of Roadway Shoulder Property Boundary Line Iron Pin Or Pipe Concrete Monument Adjoining Property Boundary Line Easement Line Legal Right Of Way Line Minimum Building Setback Line Edge Of Existing Watercourse Existing Waterbody | X | CONCRETE SURFACE EDGE OF STONE OR GRAVEL STONE OR GRAVEL SURFACE FENCE TREELINE SOLAR ARRAY SIGN OVERHEAD ELECTRIC LINE UNDERGROUND ELECTRIC LINE |
| | Index Contour Line Intermediate Contour Line Spot Elevation Building Concrete Surface Treeline Overhead Electric Lines Underground Electric Line | —————————————————————————————————————— | STABILIZED ROCK CONSTRUCTION ENTRANCE SILT FENCE - 18" HIGH SILT SOCK - 12" SILT SOCK - 18" LIMIT OF DISTURBANCE |

PROPOSED NEW IMPERVIOUS 245 S.F.



LEGEND

Ø or O

 \otimes GV

 \oplus BM

AREA OF TREE CLEARING

DEMOLITION

Utility Pole

Water Line

Fire Hydrant

Sewer Manhole

Gas Line

Gas Valve

Bench Mark

Fence

Sign

----- Soil Type Boundary Line

Sanitary Sewer Line

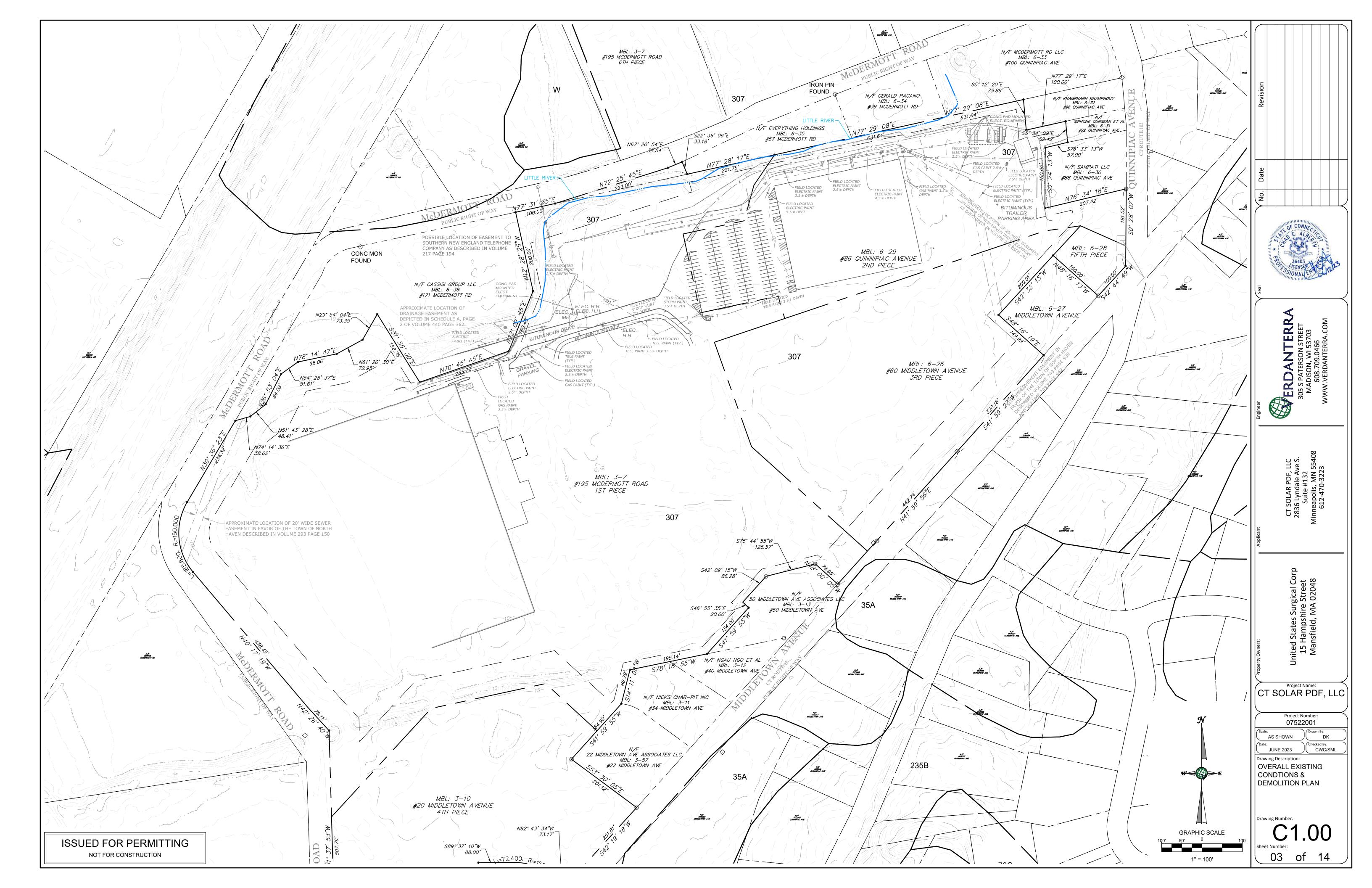
Overhead Telephone Line

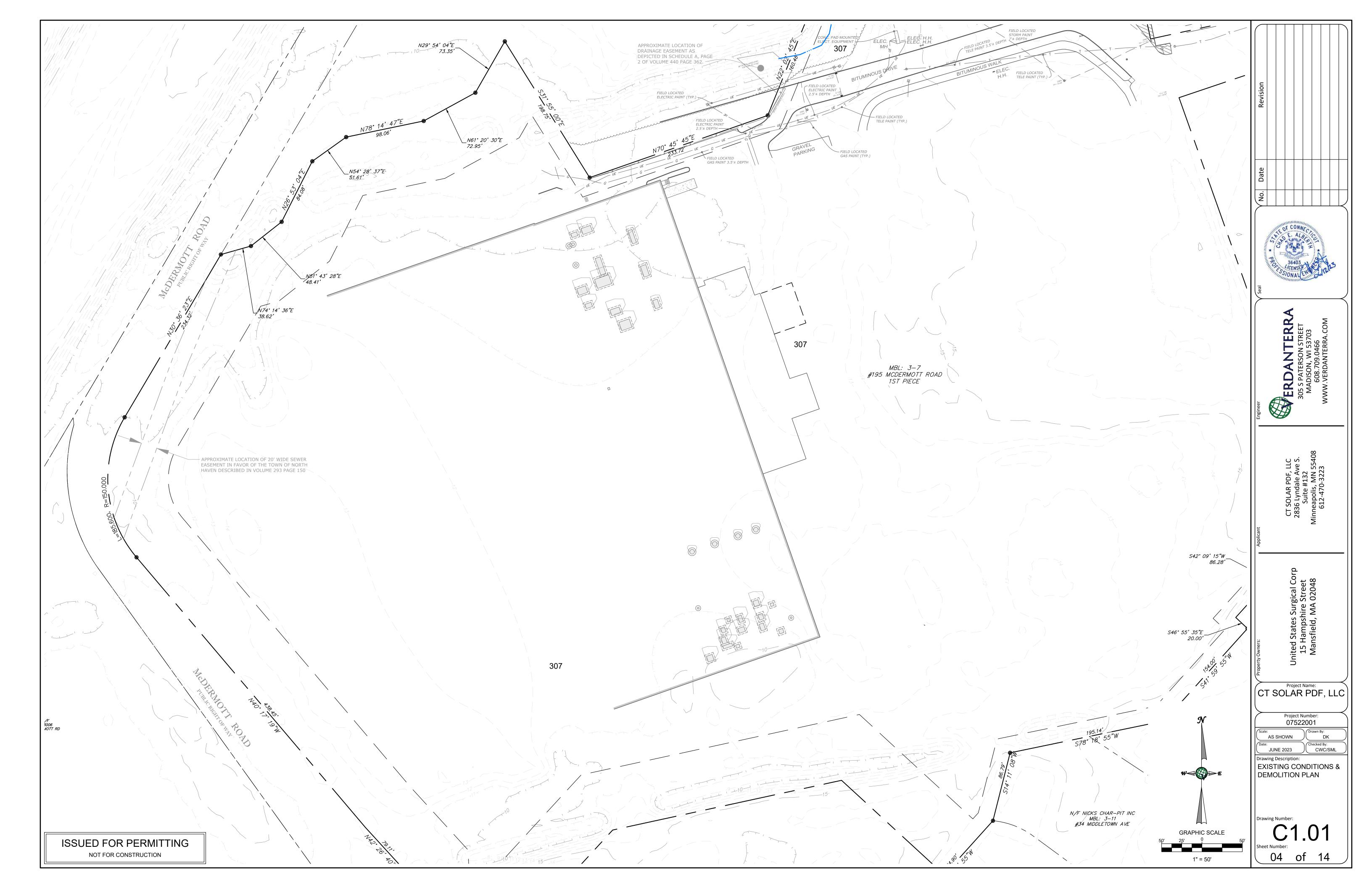


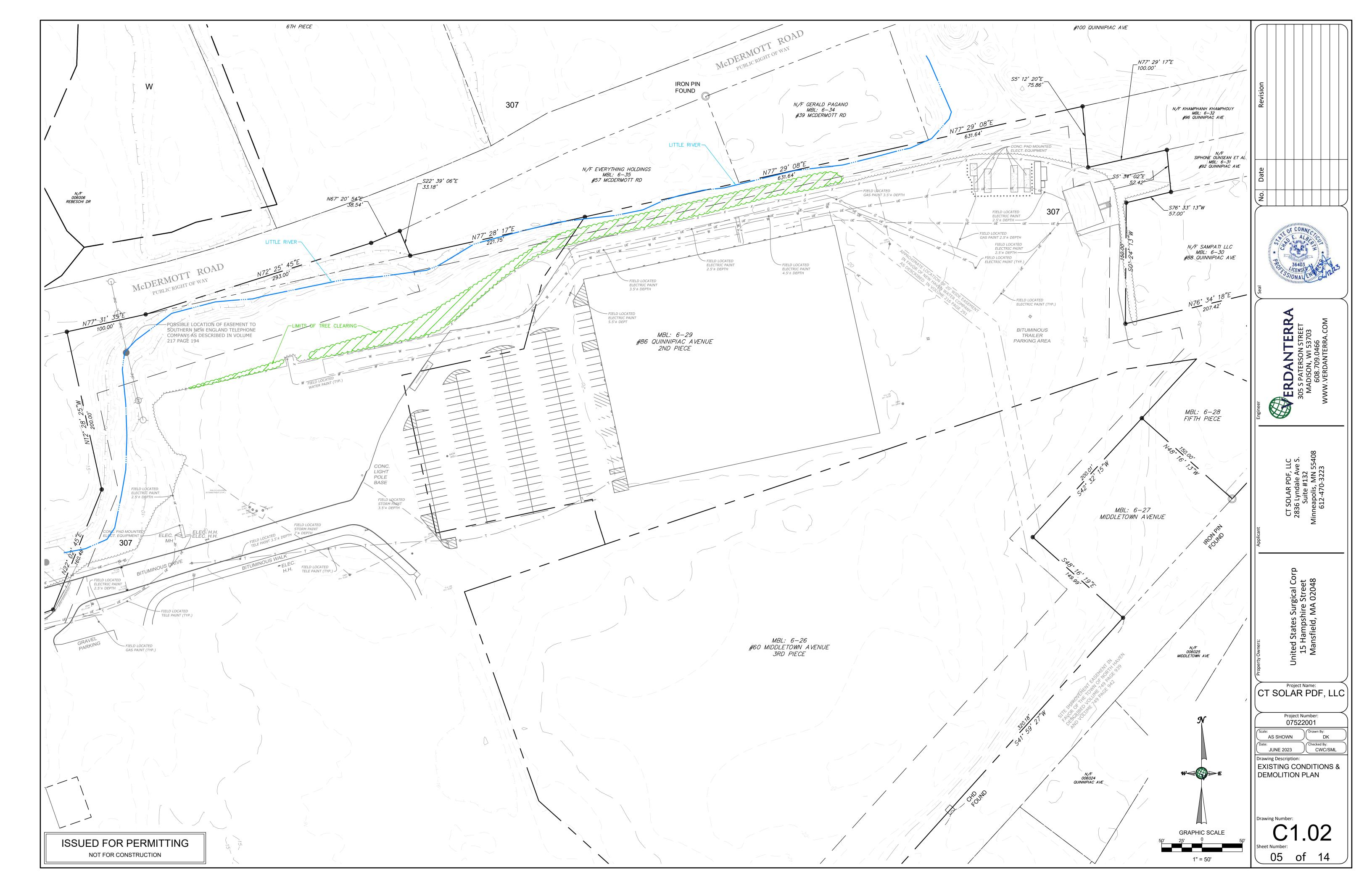
CT SOLAR PDF, LLC Proiect Number 07522001 JUNE 2023 CWC/SML Drawing Description

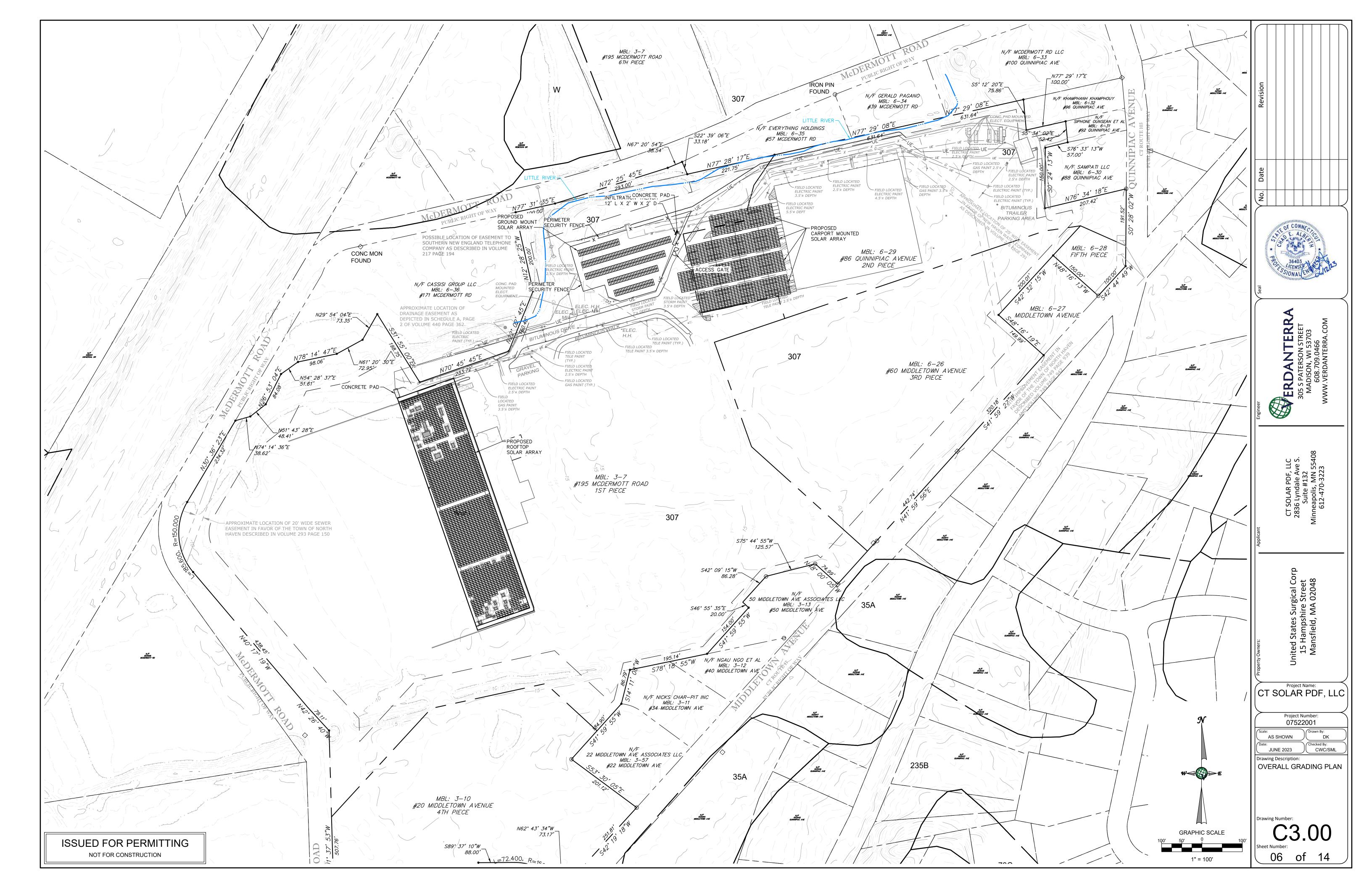
NOTES & LEGENDS

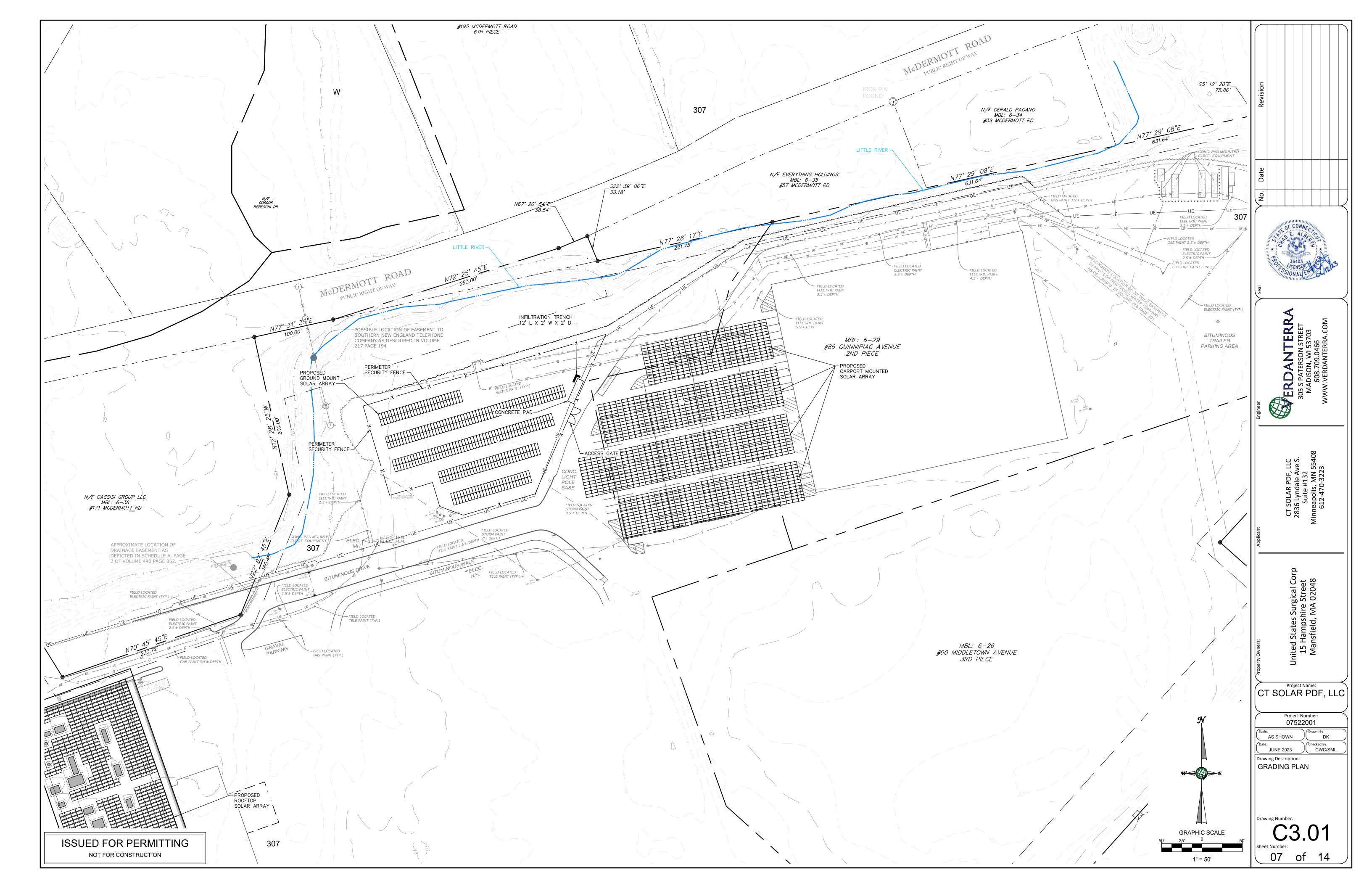
ISSUED FOR PERMITTING

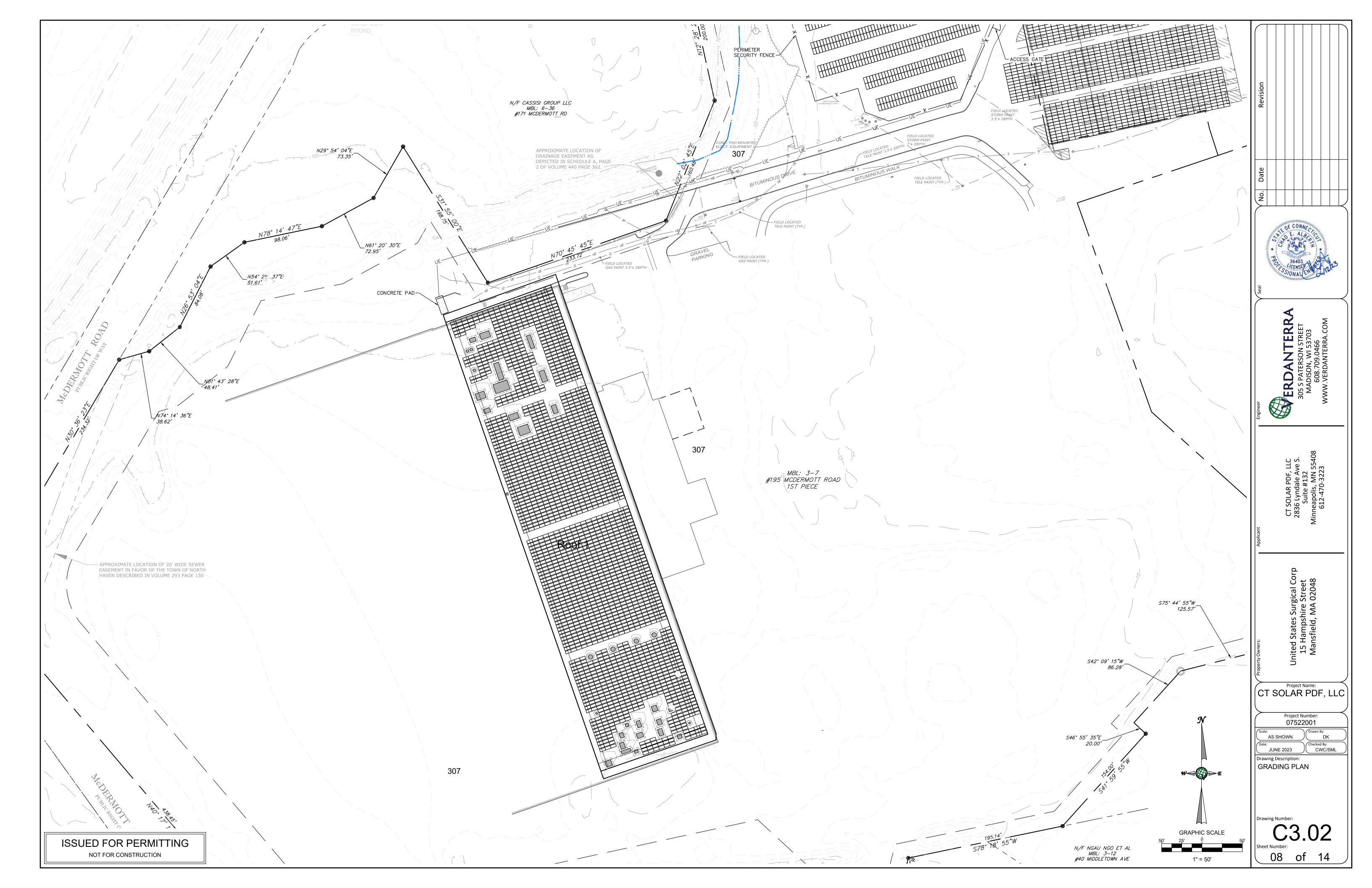


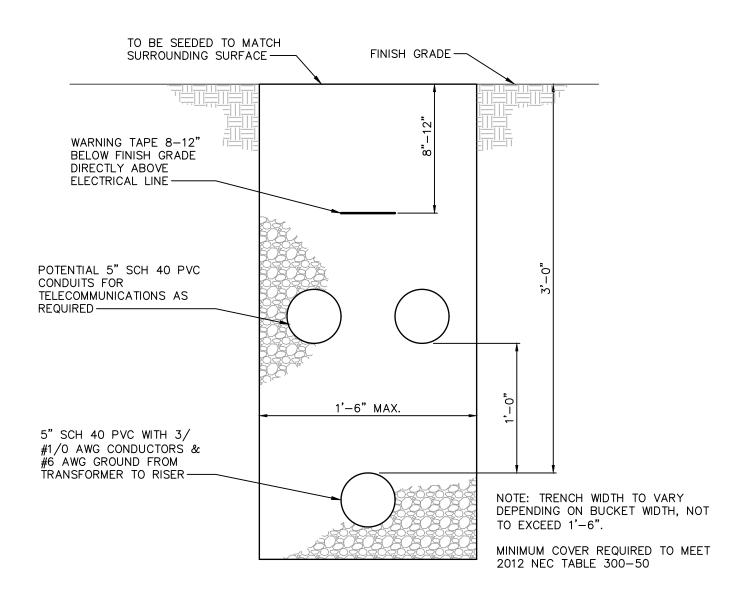






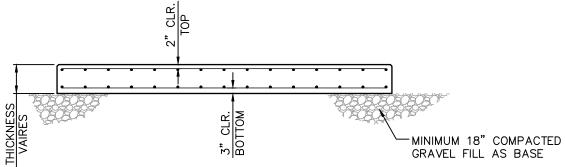


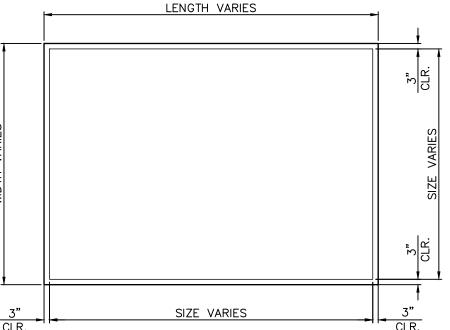




AC CONDUIT TRENCH DETAIL NOT TO SCALE DETAIL IS SCHEMATIC ONLY. REFER TO ELECTRICAL PLANS FOR

ACTUAL TRENCH DETAIL.

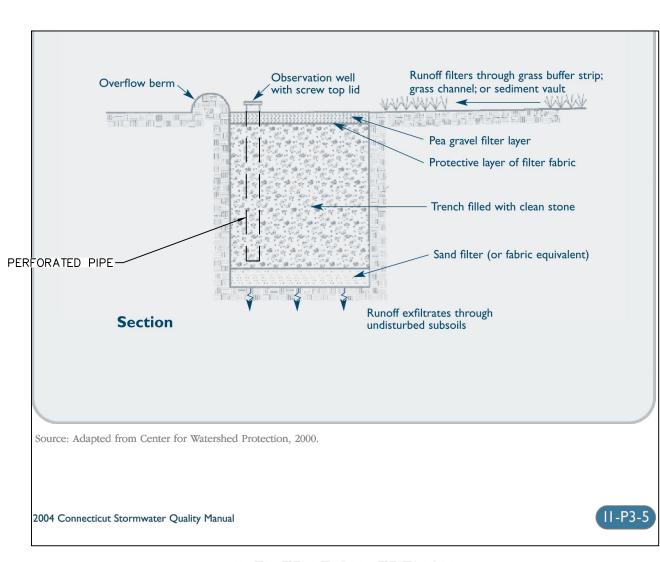




- 6. ESTIMATED CONCRETE QUALITY IS FOR OWNER'S ASSET MANAGEMENT
- PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR DETERMINING QUANTITIES FOR CONSTRUCTION & BID PURPOSES.

7. EQUIPMENT ANCHORAGE TO BE HILTI ADHESIVE ANCHOR, DESIGNED UPON RECEIPT OF CERTIFIED EQUIPMENT DRAWINGS.

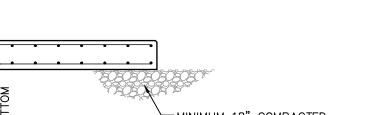
TYPICAL EQUIPMENT PAD



INFILTRATION TRENCH NOT TO SCALE

ISSUED FOR PERMITTING

NOT FOR CONSTRUCTION



LENGTH VARIES

- 1. CONCRETE TO BE 4000 PSI @ 28 DAYS. 2. MAX. SLUMP: 4 INCHES (TO BE MEASURED PRIOR TO PUMPING AND
- ADDITION OF ADMIXTURES.)
- 3. REINFORCING SHALL BE ASTM A615 GR. 60 (60 KSI YIELD.) 4. USE 34" CHAMFER ON ALL EXPOSED EDGES, UNLESS NOTED OTHERWISE.
 5. FOUNDATIONS TO BE BACKFILLED & COMPACTED IN ACCORDANCE WITH
- THE CONTRACT DOCUMENTS.

NOT TO SCALE

SITE ADDRESS: XXXXXXX SITE OWNER: XXXXXXX CONTACT: XXX-XXX-XXXX

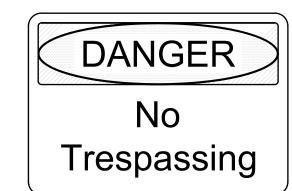
O & M COMPANY: SOLAR PROJECT OWNER NAME CONTACT: XXX-XXX-XXXX

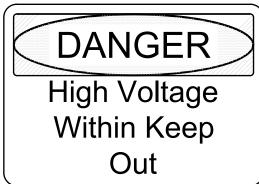
> TYPICAL CONTACT PLAQUE NOT TO SCALE

TEMPORARY CONSTRUCTION

TEMPORARY CONSTRUCTION SIGN

NOT TO SCALE

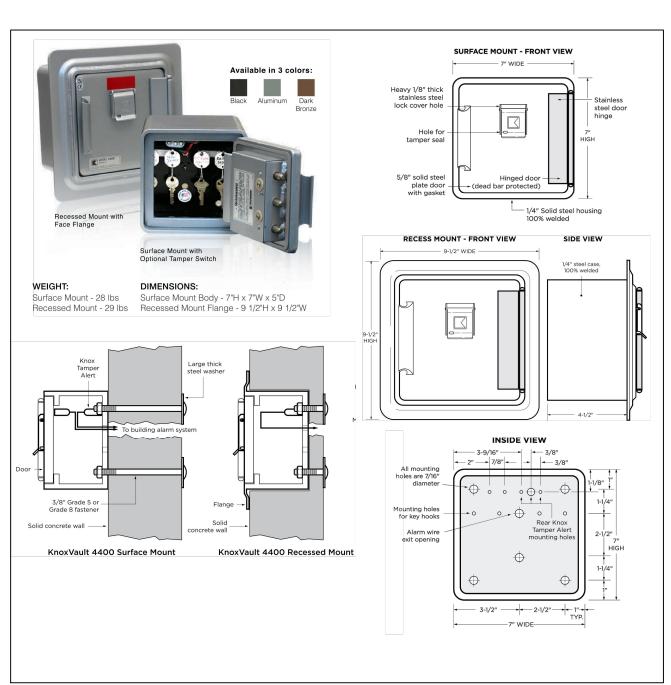




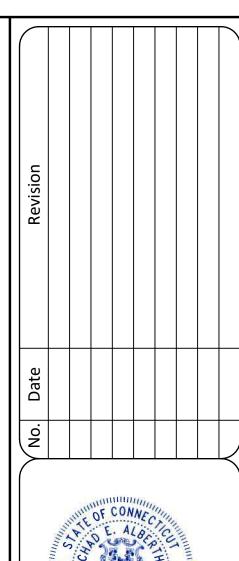
<u>NOTES</u>

- 1. SIGNS SHALL CONFORM TO THE 2013 OSHA AND ANSI REQUIREMENTS.
 - SIGNS SHALL BE 20" WIDE BY 14" HIGH.
- 3. SIGNS SHALL HAVE A MOUNTING HEIGHT OF BETWEEN 45 TO 66 INCHES.
 4. SIGN PANELS SHALL BE 10 GAUGE ALUMINUM WITH HIGH VISIBILITY REFLECTIVE SHEETING.

FENCE WARNING SIGNS



KNOX BOX





ERDANTERRA
305 S PATERSON STREET
MADISON, WI 53703
608.709.0466
www.verdanterra.com

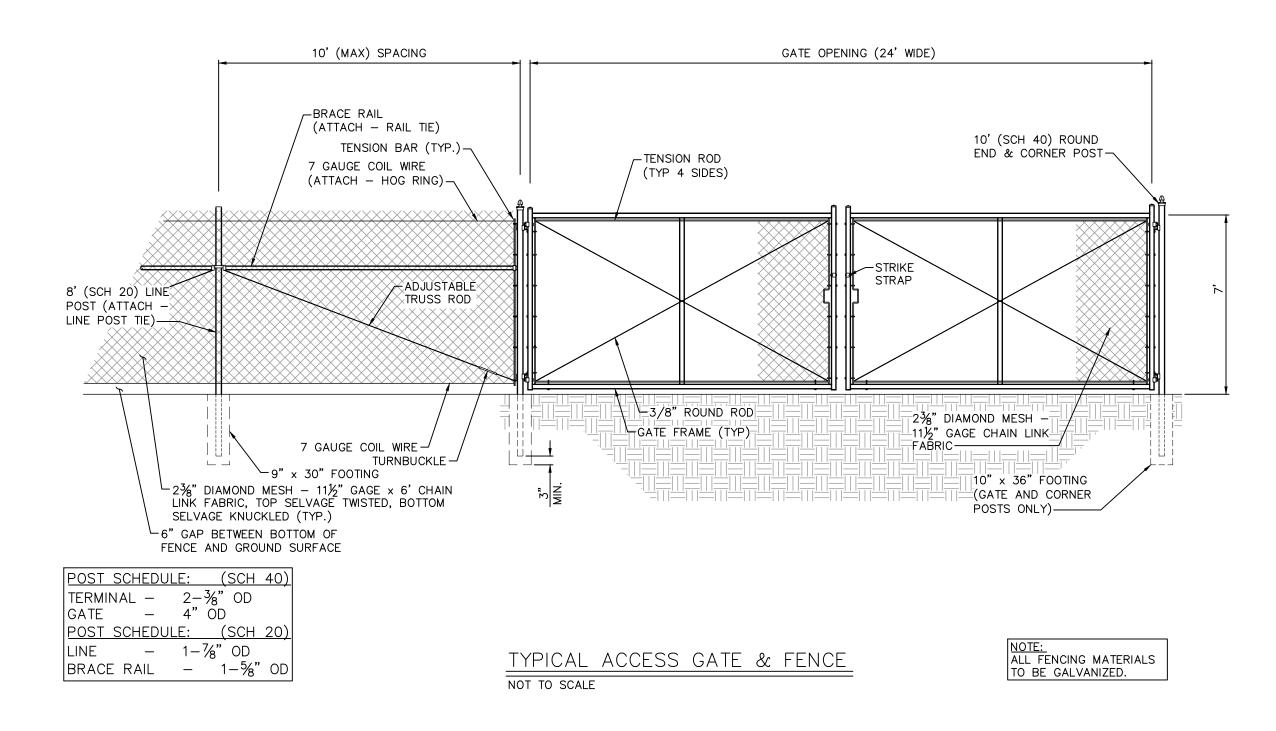
Project Name:

CT SOLAR PDF, LLC Project Number:

07522001 CWC/SML JUNE 2023

Drawing Description: DETAILS

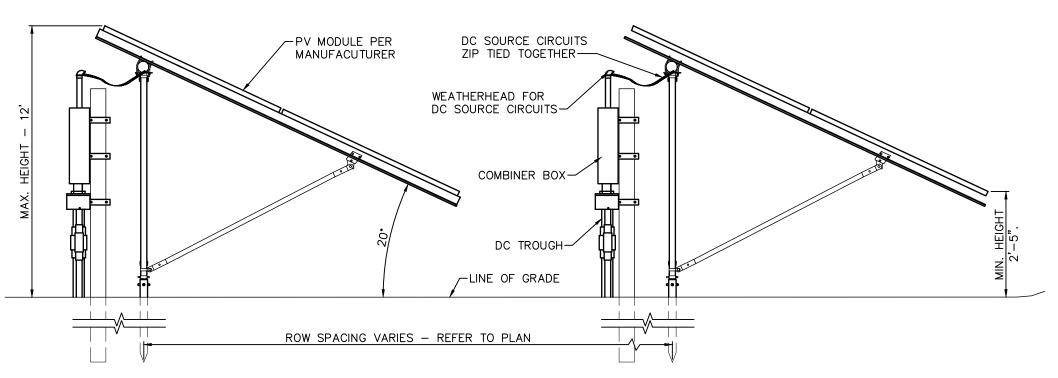
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MOWING REQUIREMENTS DUE TO EASTERN BOX TURTLE:

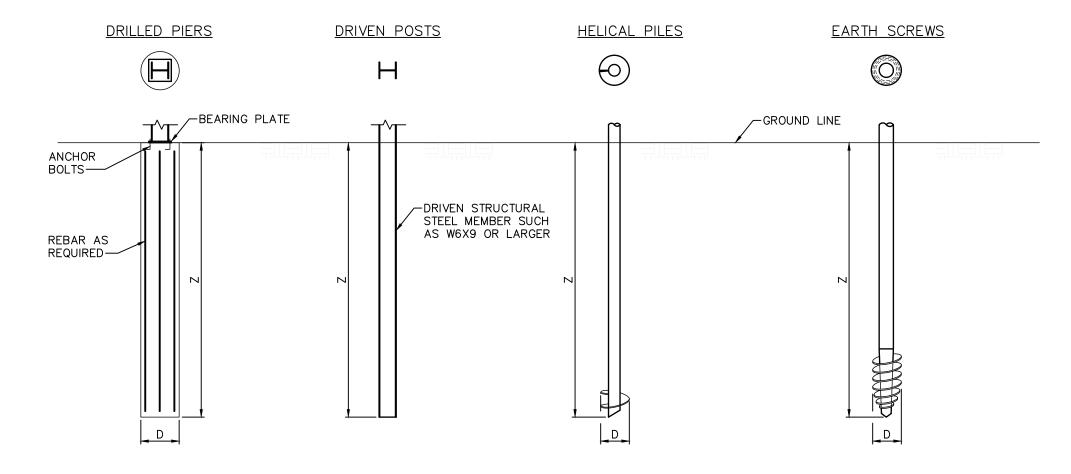
USE THESE ADDITIONAL TECHNIQUES TO MINIMIZE IMPACT, ESPECIALLY IF YOU NEED TO MOW DURING PEAK USE

- MOW ON MULTIYEAR ROTATION, COMBINE WITH CHEMICAL CONTROL OF WOODY PLANTS.
- FOR GRASSLANDS > 10 ACRES, LIMIT TOTAL MOWING TO 50% EACH YEAR. IF MOWING DURING ACTIVE SEASON, LIMIT TO 25% OF AREA. IF MOWING DURING INACTIVE SEASON LIMIT TO 50% OF AREA.
- MOWING STYLE: AVOID FLAIL MOWER HEADS WITH GUIDE BARS THAT RIDE ALONG THE GROUND. SICKLE BAR MOWERS WILL HAVE THE LEAST IMPACT IF MOWING EVERY 1-5 YEARS. IN AREAS WITH MORE WOODY VEGETATION > 1-2" DIAMETER BRONTOSAURUS-STYLE MOWER WILL LIKELY HAVE THE LEAST IMPACT ON
- MOWING HEIGHT: IF MOWING DURING ACTIVE SEASON, RETENTION OF MOWING STUBBLE TO 7-12 INCHES WILL REDUCE MORTALITY, REDUCE BLADE WEAR, AND WILL LEAVE IMPORTANT COVER FOR ANIMALS.
- DIRECTIONALITY IF MOWING DURING THE ACTIVE SEASON IS NECESSARY, START MOWING FROM THE CENTER OF THE FIELD AND USE A BACK-AND-FORTH APPROACH, OR LARGE CIRCULAR PATTERN, TO AVOID CONCENTRATING FLEEING ANIMALS WHERE THEY MAY BE KILLED OR STRANDED. IN ADDITION, LEAVE AN UNMOWED 30 FT STRIP AROUND THE PERIMETER OF THE FIELD AND MOW THIS AREA LAST. MOST TURTLES AREA FOUND IN THESE AREAS AND THIS PROVIDES TIME FOR THEM TO REACT TO THE MOWING ACTIVITY AND MOVE OUT OF THE AREA.
- IF FIELD IS NEAR A STREAM: START MOWING THE SIDE FURTHEST FROM STREAM AND WORK TOWARDS THE
- IF FIELD IS BORDERED BY WOODLAND: START MOWING SIDE FURTHEST FROM WOODLAND AND WORK TOWARDS WOODLAND.
- IF FIELD IS BORDERED BY ROAD, START MOWING NEXT TO THE ROAD AND WORK YOUR WAY ACROSS THE
- MOWER SPEED MOWING IN LOW GEAR OR AT SLOW SPEEDS WILL ALLOW TURTLES TO REACT AND MOVE OUT OF THE FIELD.
- UNMOWED EDGE LEAVING AN UNMOWED FIELD EDGE IN HIGH TURTLE USE AREAS UNTIL AFTER SEPTEMBER 15TH. EASTERN BOX TURTLES ARE USUALLY ALONG FIELD EDGES ADJACENT TO FOREST AND WOOD TURTLE AREA OFTEN IN FIELD EDGES CLOSEST TO NEARBY STREAMS.
- LANDSCAPE PLANNING: USE PARTNERSHIPS AND LANDSCAPE SCALE PLANNING TO PROTECT IMPORTANT CONSERVATION AREAS FOR THIS SPECIES.
- NESTING AREA MANAGEMENT: IDENTIFY AND PROTECT NESTING AREAS FOR THIS SPECIES. WORK WITH BIOLOGISTS TO PLAN YOUR SITE USE AND NESTING SITE MANAGEMENT.



- 1. PROVIDE EDGE GUARD OR ADEQUATE PROTECTION FOR PV WIRES AND SHARP EDGES OF RACKING SYSTEM.
- 2. PROVIDE DRIP LOOP AND SUPPORT.

FIXED TILT SOLAR PANEL NOT TO SCALE

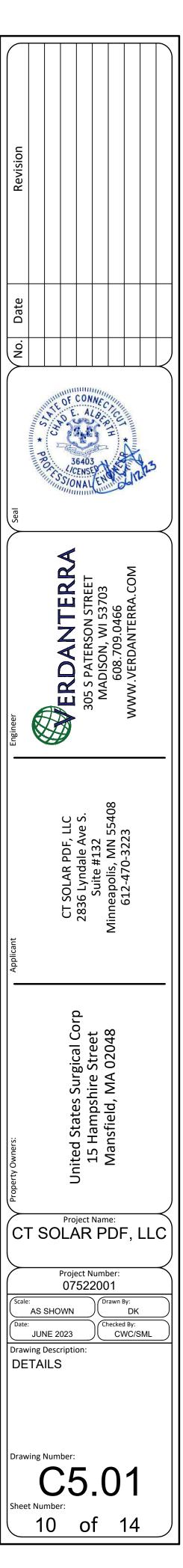


D - TIPICALLY 6" TO 18" DEPENDING ON FOUNDATION TYPE AND IN-SITU CONDITIONS Z - GREATER THAN OR EQUAL TO PENETRATION DEPTH

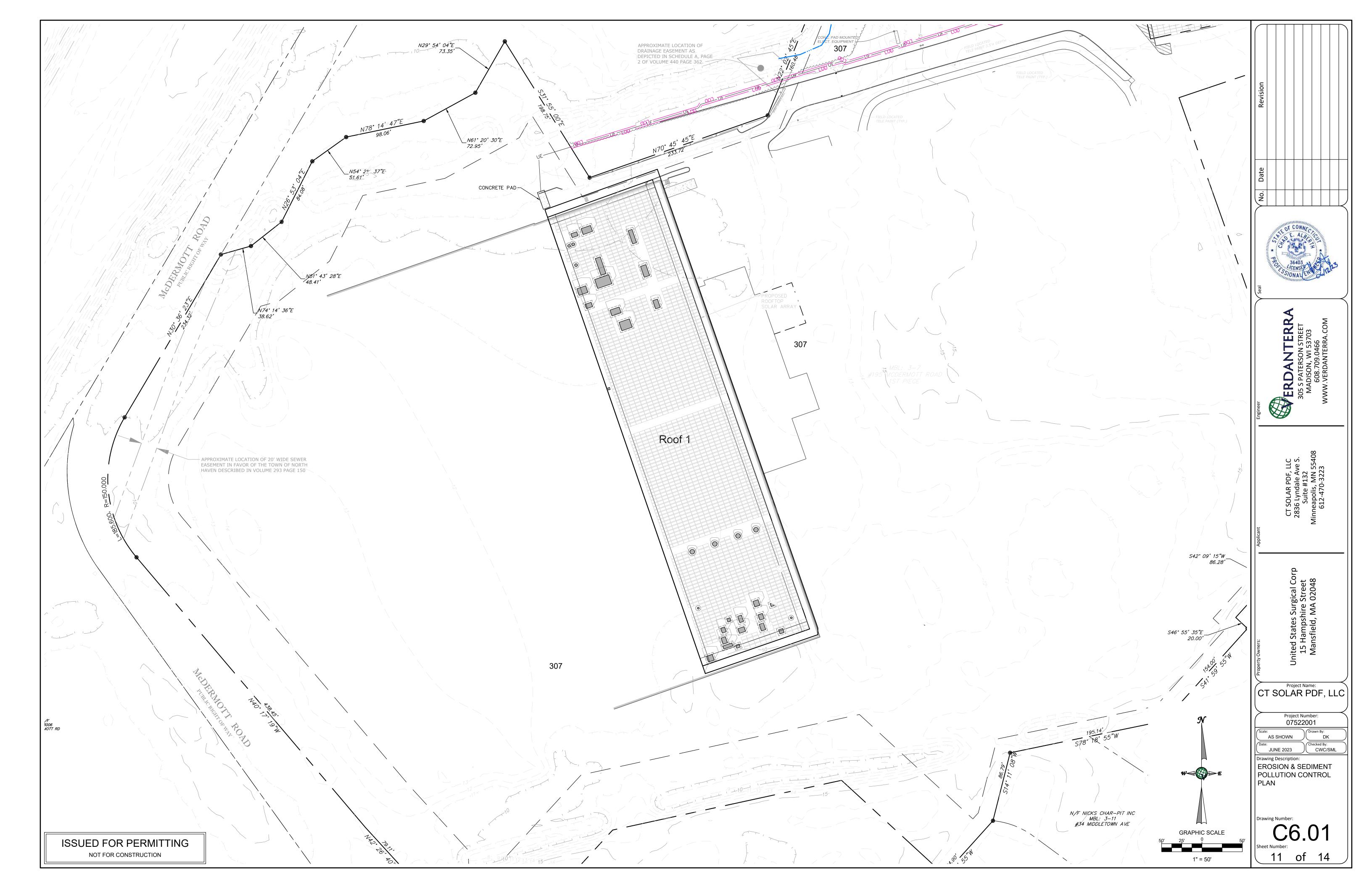
- NOTES:

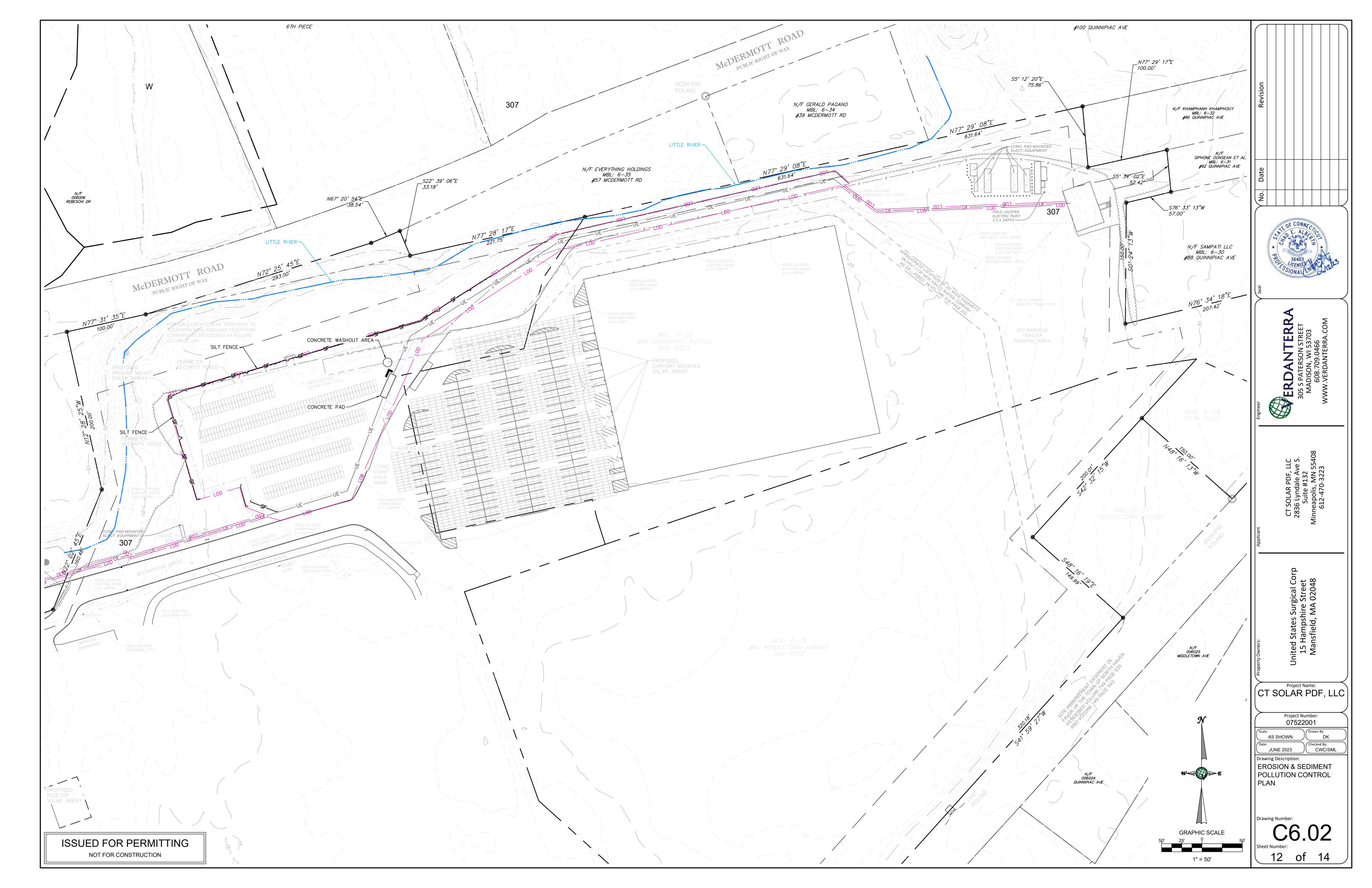
 1. STRUCTURAL REQUIREMENTS AND EMBEDMENT OF FOUNDATION ELEMENTS IS DEPENDENT ON THE RESULTS OF SITE SPECIFIC GEOTECHNICAL EXPLORATION AND RACKING SYSTEM STRUCTURAL DESIGN.
- 2. EXAMPLE FOUNDATIONS PRESENTED ABOVE TO BE REVISED BASED ON SITE SPECIFIC REQUIREMENTS.

SOLAR RACKING FOUNDATIONS



ISSUED FOR PERMITTING





EROSION CONTROL NOTES:

PROJECT DESCRIPTION

THE PROJECT INVOLVES THE CONSTRUCTION OF ROOFTOP CARPORT, AND GROUND MOUNTED PHOTOVOLTAIC ARRAYS AND RELATED UTILITIES, SITE PREPARATION, AND EROSION AND SEDIMENTATION CONTROL MEASURES.

- 1. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
- 2. EROSION CONTROL DEVICES WILL BE INSPECTED, REPLACED AND/OR REPAIRED IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT OR LOSS OF SERVICEABILITY DUE TO SEDIMENT ACCUMULATION, AT A MINIMUM, ALL EROSION CONTROL DEVICES WILL BE OBSERVED WEEKLY.
- 3. DURING THE FUTURE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO CONSTRUCTION
- 4. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE STABILIZED BY A SUITABLE GROWTH OF GRASS. ONCE A SUITABLE GROWTH OF GRASS HAS BEEN OBTAINED, ALL TEMPORARY EROSION CONTROL ITEMS SHALL BE REMOVED BY THE CONTRACTOR. ANY SEDIMENT

EXISTING GRADE, PREPARED, SEEDED, AND MULCHED IMMEDIATELY.

DEPOSITS REMAINING IN PLACE AFTER THEY ARE REMOVED SHALL BE DRESSED TO CONFORM WITH THE

5. EARTH DISTURBANCE WILL BE MINIMAL. HOWEVER, ALL DISTURBED AREAS WILL BE SEEDED AND MULCHED PER THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL GUIDELINES.

- 1. ESTABLISH TREE REMOVAL AND DISTURBANCE WORKSPACE LIMITS; IDENTIFY AND MARK SENSITIVE RECEPTORS INCLUDING NATURAL RESOURCES AND DOWN GRADIENT DRAINAGE INFRASTRUCTURE.
- 2. INSTALLATION OF ALL EROSION AND SEDIMENT CONTROL MEASURES AND ASSOCIATED WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE.2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT
- 3. PRIOR TO USAGE, CONSTRUCT AND STABILIZE THE CONSTRUCTION ENTRANCE IN THE LOCATIONS INDICATED ON THE EROSION CONTROL PLAN SHEET. MAINTAIN THE STABILIZED CONSTRUCTION ENTRANCE UNTIL ALL DISTURBED AREAS ARE STABILIZED.
- 4. PRIOR TO EARTH DISTURBANCE ACTIVITY, PROPERLY INSTALL AND MAINTAIN PERIMETER SEDIMENT BARRIERS SUCH AS SILT SOCK SILT FENCING AND/OR OTHER APPROVED EROSION CONTROL BARRIERS AS SHOWN ON THE
- 5. CLEAR TIMBER, BRUSH, AND COMPLETE TREE REMOVAL; GRUBBING SHALL NOT BE COMPLETED UNTIL JUST PRIOR TO PRELIMINARY GRADING IN A FUTURE PHASE.
- 6. COMPLETE ACCESS ROAD CONSTRUCTION, EQUIPMENT AND SOLAR ARRAY INSTALLATION PER THE PROVIDED
- 7. STABILIZE ANY NECESSARY EQUIPMENT STORAGE AND LAYDOWN AREAS WITH MATTING, CRUSHED STONE, OR GRAVEL SUBBASE AS NECESSARY TO MINIMIZE RUTTING AND AVOID PONDING OF STORMWATER.
- 8. WITHIN 7 DAYS OF THE CESSATION OF EARTH DISTURBANCE ACTIVITIES IN AN AREA THAT WILL NOT BE WORKED FOR MORE THAN 7 DAYS, STABILIZE ANY EXPOSED SOIL WITH MULCH, OR OTHER NON-ERODIBLE COVER. STABILIZE AREAS WITHIN 50 FEET OF A WETLAND OR WATERBODY WITHIN 48 HOURS OF THE INITIAL DISTURBANCE OF THE SOIL OR PRIOR TO ANY STORM EVENT, WHICHEVER COMES FIRST.
- 9. WINTER CONSTRUCTION IS CONSTRUCTION ACTIVITY PERFORMED DURING THE PERIOD FROM NOVEMBER 1 THROUGH APRIL 15. IF DISTURBED AREAS ARE NOT STABILIZED WITH PERMANENT MEASURES BY NOVEMBER OR NEW SOIL DISTURBANCE OCCURS AFTER NOVEMBER 1, BUT BEFORE APRIL 15, THEN THESE AREAS MUST BE PROTECTED AND RUNOFF FROM THEM MUST BE CONTROLLED BY ADDITIONAL MEASURES AND RESTRICTIONS. FOR WINTER STABILIZATION, HAY MULCH IS APPLIED AT TWICE THE STANDARD TEMPORARY STABILIZATION RATE. AT THE END OF EACH CONSTRUCTION DAY, AREAS THAT HAVE BEEN BROUGHT TO FINAL GRADE MUST BE STABILIZED. MULCH MAY NOT BE SPREAD ON TOP OF SNOW. ALL VEGETATED DITCH LINES THAT HAVE NOT BEEN STABILIZED BY NOVEMBER 1, OR WILL BE WORKED DURING THE WINTER CONSTRUCTION PERIOD, MUST BE STABILIZED WITH AN APPROPRIATE STONE LINING BACKED BY AN APPROPRIATE GRAVEL BED OR GEOTEXTILE UNLESS SPECIFICALLY RELEASED FROM THIS STANDARD BY THE DEPARTMENT. MULCH NETTING MUST BE USED TO ANCHOR MULCH ON ALL SLOPES GREATER THAN 8% UNLESS EROSION CONTROL BLANKETS OR EROSION CONTROL MIX IS BEING USED ON THESE SLOPES.
- 10. INSPECT AND REPAIR EROSION CONTROL MEASURES DAILY IN AREAS OF ACTIVE CONSTRUCTION; OTHERWISE WEEKLY AND BEFORE AND AFTER A RAINFALL EVENT OF 0.5-INCHES OR GREATER WITHIN A 24-HOUR PERIOD AND PRIOR TO COMPLETING STABILIZATION MEASURES. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 OF THE HEIGHT OF THE BARRIER.
- 11. REPAIR WORK SHOULD BE INITIATED UPON DISCOVERY OF THE PROBLEM BUT NO LATER THAN THE END OF THE NEXT WORKDAY. IF ADDITIONAL BMPS OR SIGNIFICANT REPAIR OF BMPS ARE NECESSARY, IMPLEMENTATION MUST BE COMPLETED WITHIN 7 CALENDAR DAYS AND PRIOR TO ANY STORM EVENT (RAINFALL).
- 12. KEEP A LOG (REPORT) SUMMARIZING THE INSPECTIONS AND ANY CORRECTIVE ACTION TAKEN. THE LOG MUST INCLUDE THE NAME(S) AND QUALIFICATIONS OF THE PERSON MAKING THE INSPECTIONS. THE DATE(S) OF THE INSPECTIONS, AND MAJOR OBSERVATIONS ABOUT THE OPERATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS, MATERIALS STORAGE AREAS, AND VEHICLES ACCESS POINTS TO THE PARCEL MAJOR OBSERVATIONS MUST INCLUDE BMPS THAT NEED MAINTENANCE, BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION, AND LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED. FOR EACH BMP REQUIRING MAINTENANCE, BMP NEEDING REPLACEMENT, AND LOCATION NEEDING ADDITIONAL BMPS, NOTE IN THE LOG THE CORRECTIVE ACTION TAKEN AND WHEN IT WAS TAKEN.
- 13. THE LOG MUST BE MADE ACCESSIBLE TO DEPARTMENT STAFF AND A COPY MUST BE PROVIDED UPON REQUEST. THE PERMITTEE SHALL RETAIN A COPY OF THE LOG FOR A PERIOD OF AT LEAST THREE YEARS FROM THE COMPLETION OF PERMANENT STABILIZATION.
- 14. MONITOR PUBLIC ROADS FOR SIGNS OF TRACKING OR SPILLING OF SPOIL MATERIAL AND CLEAN-UP AS
- 15. MAINTAIN ALL TEMPORARY EROSION CONTROLS AND SEDIMENT BARRIERS UNTIL VEGETATION HAS BEEN ESTABLISHED OVER 90% OF THE AREA TO BE REVEGETATED. RESEED SPARSELY VEGETATED AREAS AS
- 16. REMOVE AND PROPERLY DISPOSE OF ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES WITHIN 30 DAYS AFTER ALL FUTURE PHASES AND WHEN THE SITE IS PERMANENTLY STABILIZED.
- 17. CONTRACTOR WILL BE RESPONSIBLE FOR FOLLOWING PROCEDURES FOUND IN THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

REVEGETATION PLAN:

ANY VEGETATED AREA DISTURBED BY CONSTRUCTION SHALL BE REVEGETATED IMMEDIATELY UPON COMPLETION OF WORK IN THAT AREA. REVEGETATION AREAS SHALL BE IDENTIFIED BY THE OWNER'S REPRESENTATIVE. REVEGETATION PROCEDURES SHALL COMPLY WITH METHODS OUTLINED IN THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

SEED MIXES:

| Species | Proportion | Minimum | Minimum | |
|---|---------------------|-----------|-------------------|--|
| | By Weight (Mass) | Purity | Germination | |
| | <u>Pounds</u> | (Percent) | (<u>Percent)</u> | |
| | (<u>kilograms)</u> | | | |
| CHEWINGS FESCUE, (FESTUCA RUBRA VAR. COMMUTATA) CERTIFIED VARIETY: JAMESTOWN, ATLANTA, VICTORY, SHADOW OR EQUAL CERTIFIED VARIETY; NAME THE VARIETY | 35 (15.9) | 97 | 80 | |
| HARD FESCUE, (FESTUCA LONGIFOLIA) CERTIFIED VARIETY: RELIANT, SPARTON, SCALDIS OR EQUAL CERTIFIED VARIETY; NAME THE VARIETY | 30 (13.6) | 96 | 85 | |
| COLONIAL BENTGRASS, (<u>AGRASTIS TENUIS</u>) CERTIFIED VARIETY; HIGHLAND OR EQUAL CERTIFIED VARIETY; NAME THE VARIETY | 5 (2.3) | 95 | 90 | |
| BIRDSFOOT TREFOIL, (LOTUS CORNICULATUS) VARIETY ARVENIS, CERTIFIED VARIETY: EMPIRE OR EQUAL LOW GROWING VARIETY; NAME THE VARIETY | 10 (4.5) | 96 | 90 | |
| PERENNIAL RYEGRASS, (LOLIUM PERENNE) TRUF TYPE, CERTIFIED VARIETY: NAME THE VARIETY | 20 (9.1) | 98 | 90 | |

(b) The "temporary" grass seed shall be perennial ryegrass (Lolium perenne) or an improved variety thereof, such as Manhattan, having a minimum purity of 98% and a minimum germination of 90%. The seed mixture shall be delivered in new, clean, sealed containers. Labels and contents shall conform to all State and Federal regulations. Seed shall be subject to the testing provisions of the AOSA

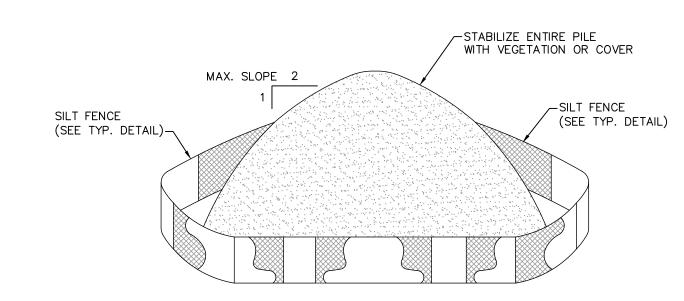
EASTERN BOX TURTLE:

IT IS RECOMMENDED BY THE CONNECTICUT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION TO CONSULT WITH A HERPETOLOGIST FAMILIAR WITH THE PREFERRED HABITATS TO ASSIST WITH PROPER TECHNIQUES TO ENSURE THE BEST STRATEGIES ARE EMPLOYED FOR THIS SITE AND THE SCOPE OF THE

- TO PREVENT TURTLE ACCESS AND ENTRY INTO THE WORK ZONE BETWEEN APRIL 1 NOVEMBER 1: - EXCLUSIONARY PRACTICES WILL BE USED TO PREVENT ANY TURTLE ACCESS INTO DISTURBANCE AREAS.
- THESE MEASURES WILL NEED TO BE INSTALLED AT THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS, OR SPECIFICALLY DESIGNATED BY A HERPETOLOGIST WHO CAN ASSES THE CONDITIONS OF THE SITE.
- EXCLUSIONARY FENCING SHOULD BE AT LEAST 20 INCHES TALL AND MUST BE SECURED TO AND REMAIN IN CONTACT WITH THE GROUND AND BE REGULARLY MAINTAINED (AT LEAST BI-WEEKLY AND AFTER MAJOR WEATHER EVENTS) TO SECURE ANY GAPS OR OPENINGS AT GROUND LEVEL THAT MAY LET ANIMALS PASS
- ALL STAGING AND STORAGE AREAS, OUTSIDE OF PREVIOUSLY PAVED LOCATIONS, REGARDLESS OF THE DURATION OF TIME THEY WILL BE UTILIZED, MUST BE REVIEWED TO REMOVE INDIVIDUALS AND EXCLUDE
- ALL CONSTRUCTION PERSONNEL WORKING WITHIN THE TURTLE HABITAT MUST BE APPRISED OF THE SPECIES DESCRIPTION AND THE POSSIBLE PRESENCE OF A LISTED SPECIES.
- THE CONTRACTOR SHOULD SEARCH THE WORK AREA EACH MORNING PRIOR TO ANY WORK BEING DONE. - ANY TURTLES ENCOUNTERED WITHIN THE IMMEDIATE WORK AREA SHALL BE CAREFULLY MOVED TO AN ADJACENT AREA OUTSIDE OF THE EXCLUDED AREA AND FENCING SHOULD BE INSPECTED TO IDENTIFY AND OFF-SITE
- IN AREAS WHERE SILT FENCE IS USED FOR EXCLUSION, IT SHALL BE REMOVED AS SOON AS THE AREA IS STABLE AND DISTURBANCE IS FINISHED TO ALLOW FOR REPTILE AND AMPHIBIAN PASSAGE TO RESUME.
- IF LAND DISTURBANCE WILL OCCUR IN SUITABLE OVERWINTERING FORESTED HABITAT YOU WILL NEED TO TAKE PRECAUTIONS TO AVOID MORTALITY OF HIBERNATING ADULTS. IF PRACTICABLE, SMALL PROJECTS, UNDER THE SUPERVISION OF A QUALIFIED HERPETOLOGIST, MAY BE ABLE TO UTILIZE A COMBINATION OF EXCLUSIONARY FENCING INSTALLED BEFORE OCTOBER 15, COMBINED WITH AND SURVEYS TO ENSURE THAT NO TURTLES ARE WITHIN THE ENCLOSED FENCING. WORK CAN THEN BE CONDUCTED WITHIN THE FENCED AREA AT ANY TIME OF YEAR AS LONG AS THE FENCING IS MAINTAINED. PROJECTS THAT WILL IMPACT LARGE BLOCKS OF FOREST OR SIGNIFICANT OVERWINTERING HABITAT MAY NEED TO RESTRICT YOUR LAND DISTURBANCE ACTIVITIES IN FORESTED HABITAT TO THE TURTLE ACTIVE SEASON. THESE PROJECTS WOULD NEED TO RESTRICT LAND DISTURBANCE ACTIVITIES TO OCCUR ONLY BETWEEN APRIL 1 - OCTOBER 31. - FARLY SUCCESSIONAL HABITAT IS IMPORTANT FOR THIS SPECIES AND MAINTENANCE BY MOWING IS ESSENTIAL. UNFORTUNATELY, MOWING IS MAJOR SOURCE OF HUMAN INDUCED ADULT TURTLE MORTALITY.
- AVOID MOWING OR VEHICULAR TRAFFIC DURING PEAK USE BY THIS SPECIES (MAY 15 SEPT 15).

USE THESE ADDITIONAL TECHNIQUES TO MINIMIZE IMPACT, ESPECIALLY IF YOU NEED TO MOW DURING PEAK USE

- MOW ON MULTIYEAR ROTATION, COMBINE WITH CHEMICAL CONTROL OF WOODY PLANTS. - FOR GRASSLANDS > 10 ACRES. LIMIT TOTAL MOWING TO 50% EACH YEAR. IF MOWING DURING ACTIVE SEASON, LIMIT TO 25% OF AREA. IF MOWING DURING INACTIVE SEASON LIMIT TO 50% OF AREA.
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- MOWING HEIGHT: IF MOWING DURING ACTIVE SEASON, RETENTION OF MOWING STUBBLE TO 7-12 INCHES WILL REDUCE MORTALITY, REDUCE BLADE WEAR, AND WILL LEAVE IMPORTANT COVER FOR ANIMALS.
- DIRECTIONALITY IF MOWING DURING THE ACTIVE SEASON IS NECESSARY, START MOWING FROM THE CENTER OF THE FIELD AND USE A BACK-AND-FORTH APPROACH, OR LARGE CIRCULAR PATTERN, TO AVOID CONCENTRATING FLEEING ANIMALS WHERE THEY MAY BE KILLED OR STRANDED. IN ADDITION, LEAVE AN UNMOWED 30 FT STRIP AROUND THE PERIMETER OF THE FIELD AND MOW THIS AREA LAST. MOST TURTLES AREA FOUND IN THESE AREAS AND THIS PROVIDES TIME FOR THEM TO REACT TO THE MOWING ACTIVITY AND MOVE OUT OF THE AREA.
- IF FIELD IS NEAR A STREAM: START MOWING THE SIDE FURTHEST FROM STREAM AND WORK TOWARDS THE
- IF FIELD IS BORDERED BY WOODLAND: START MOWING SIDE FURTHEST FROM WOODLAND AND WORK TOWARDS WOODLAND
- IF FIELD IS BORDERED BY ROAD, START MOWING NEXT TO THE ROAD AND WORK YOUR WAY ACROSS THE - MOWER SPEED - MOWING IN LOW GEAR OR AT SLOW SPEEDS WILL ALLOW TURTLES TO REACT AND MOVE
- UNMOWED EDGE LEAVING AN UNMOWED FIELD EDGE IN HIGH TURTLE USE AREAS UNTIL AFTER SEPTEMBER 15TH. EASTERN BOX TURTLES ARE USUALLY ALONG FIELD EDGES ADJACENT TO FOREST AND WOOD TURTLE AREA OFTEN IN FIELD EDGES CLOSEST TO NEARBY STREAMS. - LANDSCAPE PLANNING: USE PARTNERSHIPS AND LANDSCAPE SCALE PLANNING TO PROTECT IMPORTANT
- CONSERVATION AREAS FOR THIS SPECIES. - NESTING AREA MANAGEMENT: IDENTIFY AND PROTECT NESTING AREAS FOR THIS SPECIES. WORK WITH BIOLOGISTS TO PLAN YOUR SITE USE AND NESTING SITE MANAGEMENT.

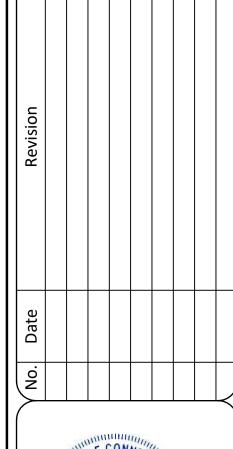


AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND

2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2H: 1V.

STABLE.

3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAW BALES, THEN STABILIZED WITH VEGETATION OR COVERED.





CT SOLAR PDF, LLC

Proiect Number 07522001 JUNE 2023 CWC/SML

Drawing Description **EROSION & SEDIMENT** POLLUTION CONTROL

NOTES & DETAILS

ISSUED FOR PERMITTING

