

**DRIVING DIRECTIONS**

QR MAP LOCATION



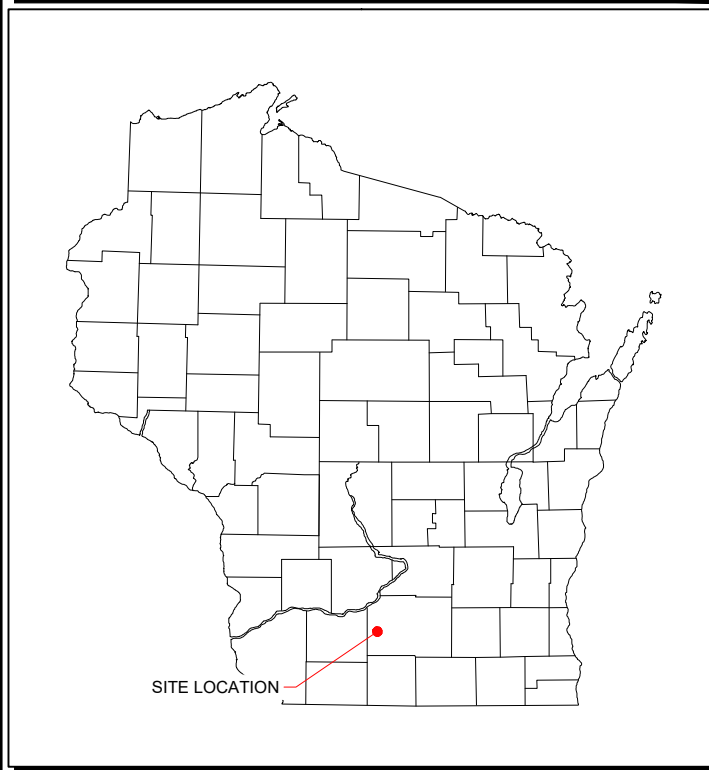
NOTE: TO SCAN THE QR CODE, DOWN LOAD A "QR READER APP"

**AERIAL VIEW OF SITE**

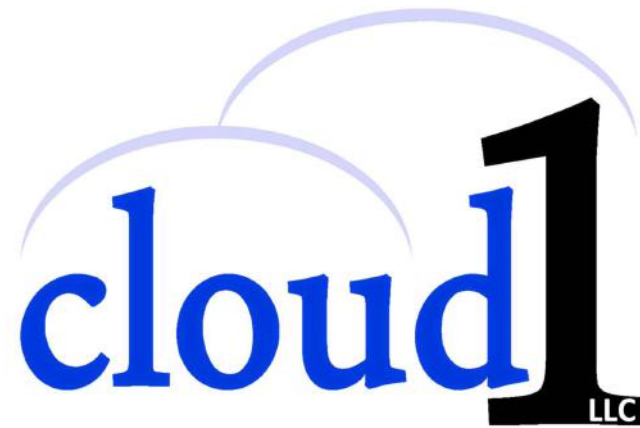


SITE LOCATION

**GENERAL LOCATION**



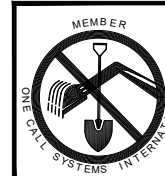
SITE LOCATION



# PRIMROSE CONSTRUCTION DRAWINGS

**GENERAL NOTES**

**DESCRIPTION OF PROPOSED SITE USE**  
 PROPOSED ADDITION OF NEW COMPOUND



TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
**DIGGERS HOTLINE 811 OR 1-800-242-8511**  
 WISCONSIN STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

**SHEET INDEX**

- GENERAL:**  
 T-1 TITLE SHEET
- NOTES:**  
 SP-1 SPECIFICATIONS  
 SP-2 SPECIFICATIONS
- SITE:**  
 C-1 OVERALL SITE PLAN WITH AERIAL PHOTO  
 C-2 OVERALL SITE PLAN  
 C-3 SITE PLAN  
 C-4 SITE ELEVATION  
 C-5 FENCE DETAILS  
 C-6 SITE DETAILS
- LANDSCAPING:**  
 L-1 EROSION CONTROL PLAN
- UTILITY:**  
 E-1 UTILITY PLAN
- GROUNDING:**  
 G-1 GROUNDING PLAN  
 G-2 GROUNDING DETAILS  
 G-3 GROUNDING DETAILS  
 G-4 GROUNDING DETAILS

**PROJECT INFORMATION**

**SITE DATA:**  
 SITE NAME: PRIMROSE  
**ADDRESS:**  
 RIDGE DRIVE  
 MOUNT HOREB, WI 53572  
 DANE COUNTY  
 TAX PIN # 050729190007 & 050729295001

LATITUDE: N 42° 52' 58.23" NAD 83  
 LONGITUDE: W 89° 41' 30.48" NAD 83  
 GROUND ELEV: 1102 FT AMSL

OCCUPANCY: UNMANNED

**LESSEE:**  
 CLOUD 1  
 RAY BLDINGS  
 417 PINE STREET  
 GREEN BAY, WI 54301  
 PH. (920) 940-0147

**CONSULTING ENGINEER:**  
 RAMAKER  
 855 COMMUNITY DRIVE  
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 CONTACT: STEVE WIDEEN  
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 EMAIL: swideen@ramaker.com



417 PINE STREET  
 GREEN BAY, WI 54301  
 PH.: (920) 940-0147

Certification & Seal:  
 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Wisconsin.



*Michael L. Pinske* 12/10/2021  
 Signature: Date:

MARK	DATE	DESCRIPTION
1	12/10/21	GALVANIZED STEEL NOTE ON C-4

ISSUE PHASE	FINAL	DATE ISSUED	10/20/2021
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PROJECT TITLE:  
**PRIMROSE**

PROJECT INFORMATION:  
 RIDGE DRIVE  
 MOUNT HOREB, WI 53572  
 DANE COUNTY  
 TAX ID# 050729190007 & 050729295001

SHEET TITLE:  
**TITLE SHEET**

SCALE: NONE

PROJECT NUMBER: 42804  
 SHEET NUMBER: T-1

GENERAL NOTES

1. ALL EQUIPMENT FURNISHED AND WORK PERFORMED UNDER THE CONTRACT DOCUMENTS SHALL BE GUARANTEED AGAINST DEFECTS IN MATERIALS OR WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE, UNLESS NOTED OTHERWISE. ANY FAILURE OF EQUIPMENT OR WORK DUE TO DEFECTS IN MATERIALS OR WORKMANSHIP SHALL BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE OWNER.
2. ALL WORK, MATERIAL, AND EQUIPMENT SHALL COMPLY WITH ALL REQUIREMENTS OF THE LATEST EDITIONS AND INTERIM AMENDMENTS OF THE NATIONAL ELECTRICAL CODE (N.E.C.), NATIONAL ELECTRICAL SAFETY CODE, OSHA, AND ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES. ALL ELECTRICAL EQUIPMENT PROVIDED UNDER THIS CONTRACT SHALL BE NEW (EXCEPT WHERE OTHERWISE NOTED) AND SHALL COMPLY WITH THE REQUIREMENTS OF THE UNDERWRITERS' LABORATORIES AND BEAR THE U.L. LABEL.
3. OWNER OR HIS ARCHITECT/ENGINEER RESERVE THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH IN HIS OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO THE OWNER OR HIS ARCHITECT/ENGINEER.
4. THE CONTRACTOR SHALL SUPPORT, BRACE AND SECURE EXISTING STRUCTURE AS REQUIRED, CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROTECTION OF ANY EXISTING STRUCTURES DURING CONSTRUCTION. FIELD VERIFY ALL EXISTING DIMENSIONS WHICH AFFECT THE NEW CONSTRUCTION.
5. THE CONTRACTOR SHALL NOT ALLOW OR CAUSE ANY OF THE WORK TO BE COVERED UP OR ENCLOSED UNTIL IT HAS BEEN INSPECTED BY THE GOVERNING AUTHORITIES. ANY WORK THAT IS ENCLOSED OR COVERED UP BEFORE SUCH INSPECTION AND TEST SHALL BE UNCOVERED AT THE CONTRACTOR'S EXPENSE, AFTER IT HAS BEEN INSPECTED, THE CONTRACTOR SHALL RESTORE THE WORK TO ITS ORIGINAL CONDITION AT HIS OWN EXPENSE.
6. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT/ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL SAID UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING AFFECTED UTILITIES.
7. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION, ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE PROJECT MANAGER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER, FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS OWN RISK AND EXPENSE.
8. CONTRACTORS SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO PAPERS, TRASH, DEBRIS, WEEDS, BRUSH OR ANY OTHER DEPOSITS REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE PROPERLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.
9. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY THE CONTRACTOR WITH LOCAL GAS, ELECTRIC, TELEPHONE, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.
10. DURING CONSTRUCTION, THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN THE UTILITIES OF THE BUILDINGS/SITE WITHOUT INTERRUPTION. SHOULD IT BE NECESSARY TO INTERRUPT ANY SERVICE OR UTILITY, THE CONTRACTOR SHALL SECURE PERMISSION IN WRITING FROM THE BUILDING/PROPERTY OWNER FOR SUCH INTERRUPTION, AT LEAST 72 HOURS IN ADVANCE, ANY INTERRUPTION SHALL BE MADE WITH A MINIMUM AMOUNT OF INCONVENIENCE TO THE BUILDING/PROPERTY OWNER AND ANY SUCH SHUTDOWN TIME SHALL BE COORDINATED WITH THE BUILDING/PROPERTY OWNER.
11. THIS CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE PLANS AND SHALL VERIFY EXISTING SITE CONDITIONS AT THE JOB SITE BEFORE SUBMITTING BID. FAILURE TO RECOGNIZE WORK REQUIRED SHALL BE AT THE EXPENSE OF THIS CONTRACTOR. NO CONSIDERATION SHALL BE GIVEN FOR ADDITIONAL COMPENSATION AFTER THE LETTING OF BIDS.
12. ENTIRE INSTALLATION SHALL BE PERFORMED IN A FIRST-CLASS WORKMAN LIKE MANNER AND SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES. THE COMPLETED SYSTEMS SHALL BE FULLY OPERATIONAL; ACCEPTANCE BY THE OWNER SHALL BE A CONDITION OF THE CONTRACT. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES IN ORDER TO AVOID INTERFERENCE'S PRESERVING MAXIMUM HEADROOM AND AVOID OMISSIONS. ALL MATERIALS WORKMANSHIP AND EQUIPMENT SHALL BE GUARANTEED FOR ONE (1) YEAR AFTER SYSTEM ACCEPTANCE.
13. ALL MATERIALS USED SHALL BE NEW AND BEAR THE U/L LABEL AND BE OF THE APPROPRIATE NEMA STANDARD.
14. CONTRACTOR SHALL INCLUDE ALL MISCELLANEOUS ITEMS REQUIRED TO COMPLETE THE WORK.
15. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND REQUIRED INSPECTION FEES.

16. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE AND REVIEW THE ELECTRICAL CHARACTERISTICS, AMPACITY AND OTHER REQUIREMENTS OF ALL EQUIPMENT PRIOR TO INSTALLATION.
17. IT SHALL BE THE RESPONSIBILITY OF THIS PROJECT MANAGER TO COORDINATE THE LOCATIONS OF CONDUIT ROUTING, EQUIPMENT, LIGHTING ETC. WITH ALL OTHER TRADES IN THE FIELD PRIOR TO INSTALLATION.
18. FOR CLARITY OF ALL PLANS, SOME EQUIPMENT CONDUIT AND WIRE HAS NOT BEEN SHOWN. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO FURNISH AND INSTALL COMPLETE AND OPERATING SYSTEMS INCLUDING ALL CONDUIT AND WIRING.
19. THE CONTRACTOR SHALL INSPECT THE COMPLETE SET OF DRAWINGS AND SPECIFICATIONS TO DETERMINE HIS ENTIRE SCOPE OF WORK. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND EXTENT OF DEMOLITION AND NEW WORK FOR THE PROJECT PRIOR TO SUBMITTING HIS BID. MATERIALS OR WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE, UNLESS NOTED OTHERWISE. ANY FAILURE OF EQUIPMENT OR WORK DUE TO DEFECTS IN MATERIALS OR WORKMANSHIP SHALL BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE OWNER.

20. THE ELECTRICAL INSTALLATION IS TO BE IN STRICT ACCORDANCE WITH THE APPLICABLE RULES AND REGULATIONS OF ALL LOCAL, STATE AND FEDERAL ELECTRICAL CODES AND THE LOCAL UTILITY COMPANY REQUIREMENTS OR ANY OTHER AUTHORITIES HAVING LAWFUL JURISDICTION.

SITE WORK

1. THE CONTRACTOR SHALL CALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE PROJECT MANAGER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES; CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO:
  - A. FALL PROTECTION
  - B. CONFINED SPACE
  - C. ELECTRICAL SAFETY
  - D. TRENCHING AND EXCAVATION
2. REMOVE FROM SITE/OWNER'S PROPERTY ALL WASTE MATERIALS, UNUSED EXCAVATED MATERIAL, INCLUDING MATERIAL CLASSIFIED UNSATISFACTORY, CONTAMINATED OR DANGEROUS TRASH AND DEBRIS, AND DISPOSE OF IN A LEGAL MANNER (AS REQUIRED).
3. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING.
4. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE BUILDING OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, FERTILIZED, SEEDED, AND COVERED WITH MULCH AS SPECIFIED IN THE SPECIFICATION LANDSCAPE WORK (AS REQUIRED).
5. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL AND 1996 BOCA STANDARD GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
6. CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT SHELTER OR PLATFORM LAYOUT AND CONSTRUCTION STAKING. CONTRACTOR SHALL ESTABLISH GRADE AND LINE STAKES PRIOR TO CONSTRUCTION.

CONCRETE

1. MINIMUM ALLOWABLE CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000 PSI AT 28 DAYS WHEN TESTED IN ACCORDANCE WITH THE AMERICAN SOCIETY FOR TESTING AND MATERIALS METHODS STANDARDS ASTM C172, ASTM C31 UNLESS OTHERWISE NOTED.
2. CONCRETE FOR ALL FOUNDATIONS, 540 LBS PER CUBIC YARD OF CONCRETE MINIMUM CEMENT CONTENT FOR 1-INCH MAXIMUM SIZE AGGREGATE, SLUMP RANGE 3 INCHES TO 5 INCHES. TOTAL AIR CONTENT 4 PERCENT TO 7 PERCENT BY VOLUME. AIR ENTRAINING ADMIXTURE REQUIRED TO CONTROL TOTAL AIR CONTENT, WATER REDUCING ADMIXTURE, PERMITTED TO OBTAIN SLUMP OVER THREE INCHES.
3. ALL CONCRETE CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE (ACI 318) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND (ACI 301) STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE.
4. REBAR SHALL BE ASTM A-615 DEFORMED TYPE WITH MINIMUM YIELD STRENGTH OF 60,000 PSI (40,000 PSI GRADE MAY BE USED FOR TIES & STIRRUPS). WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
5. DETAILING SHALL BE IN ACCORDANCE WITH MANUAL OF STANDARD PRACTICE OF DETAILING REINFORCED CONCRETE STRUCTURES (ACI STD-315 LATEST EDITION).
6. REINFORCING STEEL SHALL BE ACCURATELY PLACED AND ADEQUATELY SECURED IN POSITION. LOCATION OF REINFORCEMENT SHALL BE INDICATED ON THE DRAWINGS. THE FOLLOWING MINIMUM COVER (INCHES) FOR REINFORCEMENT SHALL BE PROVIDED, EXCEPT AS NOTED MINIMUM COVER (INCHES) CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH - 3" EXPOSED TO EARTH OR WEATHER:  
#6 THROUGH #18 - 2"  
#5 BAR AND SMALLER - 1 1/2 "
7. TESTS  
CONCRETE MATERIALS AND OPERATIONS SHALL BE TESTED AND INSPECTED BY THE CONTRACTOR AS THE WORK PROGRESSES, FAILURE TO DETECT ANY DEFECTIVE WORK OR MATERIAL SHALL NOT IN ANY WAY PREVENT LATER REJECTION WHEN SUCH DEFECT IS DISCOVERED NOR SHALL IT OBLIGATE THE ENGINEER FOR FINAL ACCEPTANCE.

STRUCTURAL STEEL

1. DETAIL, FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH THE LATEST AISC MANUAL OF STEEL CONSTRUCTION, AWS D1.1 AND THE STRUCTURAL STEEL SHALL BE AS FOLLOWS:
  - A. ASTM A36, GRADE 36, ROLLED STEEL, RODS, PLATES, U-BOLTS AND ANCHOR BOLTS.
  - B. ASTM A325 BOLTS BEARING TYPE
  - C. ALL STEEL SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123.
2. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE REQUIRED DURING CONSTRUCTION UNTIL ALL CONNECTIONS ARE COMPLETE.
3. ANY FIELD CHANGES OR SUBSTITUTIONS SHALL HAVE PRIOR APPROVAL FROM THE ENGINEER.
4. TIGHTEN BOLTS TO MANUFACTURER'S SPECIFICATIONS.
5. WELDING
  - A. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS; CERTIFICATION DOCUMENTS SHALL BE MADE AVAILABLE FOR ENGINEER'S AND/OR OWNER'S REVIEW IF REQUESTED.
  - B. WELDING ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING SHALL CONFORM TO ASTM A-233 E70 SERIES, BARE ELECTRODES AND GRANULAR FLUX USED IN THE SUBMERSED ARC PROCESS SHALL CONFORM TO AISC SPECIFICATION.
  - C. FIELD WELDING SHALL BE DONE AS PER AWS D1.1 REQUIREMENTS VISUAL INSPECTION IS ACCEPTABLE.

PROTECTION

A. UPON COMPLETION OF ERECTION INSPECT ALL GALVANIZED STEEL AND PAINT ANY FIELD CUTS, WELDS, OR GALVANIZED BREAKS WITH ZINC BASED PAINT (GALVANOX, DRY GALV OR ZINC IT). COLOR TO MATCH THE GALVANIZING PROCESS.

WORK, INCLUDED:

- A. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL AND PROPERTY.
- B. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND CLOUD 1 SPECIFICATIONS.
- C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
- D. INSTALL FURNISHED GALVANIZED STEEL AND/OR TOWER WAVEGUIDE.
- E. INSTALL COAXIAL CABLES AND TERMINATIONS BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
- F. ANTENNA AND COAXIAL CABLE GROUNDING:
  1. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE WEATHER SEALED WITH ANDREWS CONNECTOR/SPLICE WEATHERPROOFING KIT #221213 OR EQUAL.
  2. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS).

QUALITY ASSURANCE

1. ALL CONTRACTORS FURNISHED MATERIALS AND EQUIPMENT SPECIFIED ON THE PROJECT SHALL BE NEW AND UNUSED, OF CURRENT MANUFACTURER AND OF THE HIGHEST GRADE.
2. ALL EQUIPMENT, MATERIAL AND THE INSTALLATION METHODS SPECIFIED ON THE PROJECT DRAWINGS SHALL BE DESIGNED AND FABRICATED IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES AND REGULATIONS AND APPROPRIATE INDUSTRIAL CONSENSUS STANDARDS AND CODES INCLUDING ANSI, IEEE, NEMA, NFPA AND UL. ALL AS REVISED AS OF THE DATE OF THIS WORK PACKAGE.
3. ALL ELECTRICAL ITEMS BOTH CONTRACTOR AND OWNER FURNISHED SHALL BE CHECKED FOR AGREEMENT WITH THE PROJECT DRAWINGS AND SPECIFICATIONS AND SHALL BE VISUALLY INSPECTED TO ENSURE THAT EQUIPMENT IS UNDAMAGED AND IS IN PROPER ALIGNMENT. INSTALLED PER MANUFACTURER'S INSTRUCTIONS. ELECTRICAL CONNECTIONS ARE TIGHT AND PROPERLY INSULATED WHERE REQUIRED. FUSES ARE OF THE PROPER TYPE AND SIZE AND ELECTRICAL ENCLOSURES ARE OF THE PROPER NEMA TYPE.
4. NOTIFY OWNER IN WRITING OF ALL DISCREPANCIES BETWEEN DRAWINGS/SPECIFICATIONS AND FIELD INSTALLATIONS, OR IF THE VISUAL INSPECTIONS SHOW DAMAGE OR IMPROPER INSTALLATION.
5. GENERAL: DURING AND UPON COMPLETION OF THE WORK, ARRANGE AND PAY ALL ASSOCIATED INSPECTIONS OF ALL ELECTRICAL WORK INSTALLED UNDER THIS CONTRACT. IN ACCORDANCE WITH THE CONDITIONS OF THE CONTRACT.
6. INSPECTIONS REQUIRED: AS PER THE LAWS AND REGULATIONS OF THE LOCAL AND/OR STATE AGENCIES HAVING JURISDICTION AT THE PROJECT SITE.

GENERAL UTILITY

ALL ELECTRICAL SITE WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE DATED 2008.

1. THE EQUIPMENT AND MATERIAL SHALL BE FURNISHED AND INSTALLED TO OPERATE SAFELY AND CONTINUOUSLY OUTDOORS WITH NO PROTECTION FROM THE WEATHER.
2. ELECTRICAL WORK REPRESENTED ON THE PROJECT DRAWINGS IS SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS AND ELEVATIONS OF ELECTRICAL EQUIPMENT SHALL BE DETERMINED IN THE FIELD AND VERIFIED WITH THE OWNER'S REPRESENTATIVE.
3. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF TEMPORARY, IF REQUIRED, AND PERMANENT POWER WITH THE LOCAL UTILITY COMPANY. THE TEMPORARY POWER AND ALL HOOKUP COSTS ARE TO BE PAID BY THE CONTRACTOR.



417 PINE STREET  
GREEN BAY, WI 54301  
PH.: (920) 940-0147

Certification # Seal:

MARK	DATE	DESCRIPTION
1	12/10/21	GALVANIZED STEEL NOTE ON C-4
ISSUE PHASE	FINAL	DATE ISSUED 10/20/2021

PROJECT TITLE:  
**PRIMROSE**  
PROJECT INFORMATION:  
RIDGE DRIVE  
MOUNT HOREB, WI 53572  
DANE COUNTY  
TAX ID# 050729190007 & 050729295001  
SHEET TITLE:

**SPECIFICATIONS**

SCALE: NONE

PROJECT NUMBER: 42804  
SHEET NUMBER: SP-1

GENERAL UTILITY (CONT.)

- PROVIDE MOLDED CASE BOLT-ON, THERMAL MAGNETIC TRIP, SINGLE, TWO OR THREE POLE CIRCUIT BREAKERS, MULTIPLE POLE CIRCUIT BREAKERS SHALL BE SINGLE HANDLE COMMON TRIP, SHORT CIRCUIT INTERRUPTING RATING SHALL BE AS REQUIRED FOR AVAILABLE FAULT CURRENTS. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE A SHORT CIRCUIT INTERRUPTING RATING EQUAL TO OR GREATER THAN THAT SHOWN ON PROJECT DRAWINGS.
- ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENTLY ENGRAVED LAMINATED PHENOLIC NAMEPLATES WITH WHITE ON BLUE BACKGROUND (MINIMUM LETTER HEIGHT SHALL BE 1/2 INCH). NAMEPLATES SHALL BE FASTENED WITH STAINLESS STEEL SCREWS.
- CONTRACTOR SHALL PERFORM ALL EXCAVATION, TRENCHING, BACKFILLING, AND REMOVAL OF DEBRIS IN CONNECTION WITH THE ELECTRICAL WORK IN ACCORDANCE WITH THE PROJECT DRAWINGS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF UNDERGROUND UTILITIES AND GROUNDING WITH THE FOUNDATION INSTALLATION.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY SUPPORTS FOR EQUIPMENT INSTALLED AS PART OF THIS PROJECT. SUPPORTS SHALL CONSIST OF GALVANIZED STEEL FRAMES, PLATES, BRACKETS, RACKS AND OTHER SHAPES OF ADEQUATE SIZE AND FASTENED WITH BOLTS, SCREWS OR BY WELDING TO PROVIDE RIGID SUPPORT.
- CONTRACTOR SHALL CALL THE APPROPRIATE UTILITIES PROTECTION SERVICE BEFORE ANY UNDERGROUND WORK IS PERFORMED, SUCH AS TRENCHING, EXCAVATING, AND DRIVING GROUND RODS.
- CONTRACTOR SHALL SEAL AROUND ELECTRICAL PENETRATIONS THROUGH FIRE-RATED WALLS/FLOORS USING APPROVED FIRE STOP MATERIALS TO MAINTAIN THE FIRE RESISTANCE RATING.
- SHORT CIRCUIT RATINGS: PROVIDE EQUIPMENT W/HIGHER FAULT CURRENT RATINGS AS NEEDED TO MATCH UTILITY COMPANY AVAILABLE FAULT CURRENT.

RACEWAYS

- CONDUIT AND CONDUIT FITTINGS SHALL MEET ANSI AND NEC STANDARDS FOR MATERIAL AND WORKMANSHIP AND SHALL BE UL LISTED.
  - A. RIGID STEEL CONDUIT (FOR ALL ABOVE GRADE WORK) SHALL CONFORM TO ANSI C80-I AND THE REQUIREMENTS OF NEC PARAGRAPH 346 AND BE STANDARD WEIGHT, MILD RIGID STEEL, HOT DIP GALVANIZED WITH INSIDE AND OUTSIDE FINISHED WITH A PROTECTIVE ZINC COATING. COUPLING, ELBOWS AND BENDS SHALL MEET THESE SAME REQUIREMENTS. FITTINGS SHALL BE OF THE GALVANIZED IRON OR STEEL THREADED TYPE.
  - B. PVC CONDUIT (FOR UNDERGROUND WORK) SHALL CONFORM TO UL STANDARD 651-89 AND THE REQUIREMENTS OF NEC. PARAGRAPH 347. CONDUIT SHALL BE HEAVY WALL TYPE, SCHEDULE 80, AND SUNLIGHT RESISTANT. FITTINGS SHALL BE OF THE UNTHREADED SOLVENT CEMENT TYPE.
  - C. EMT CONDUIT (FOR USE BEHIND WALLS OR ABOVE SUSPENDED CEILINGS ONLY), ELECTRIC METALLIC TUBING SHALL CONFORM TO ANSI C80.3 AND THE REQUIREMENTS OF NEC, PARAGRAPH 348 AND BE PROTECTED ON EXTERIOR WITH A ZINC COATING AND ON INTERIOR SURFACES WITH EITHER A ZINC COATING OR LACQUER ENAMEL. FITTINGS SHALL BE ZINC COATED STEEL.
- MINIMUM CONDUIT SIZE SHALL BE 3/4 INCH, SIZES NOT SHOWN ON DRAWINGS SHALL BE PER NEC.
- ALL SPARE CONDUITS SHALL HAVE A METALLIC OR MULL TAPE
- CONDUIT SUPPORTS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AND IN ACCORDANCE WITH THE NEC.
- UNDERGROUND CONDUITS & ENCLOSURES.
  - A. INSTALL A WARNING TAPE TWELVE INCHES ABOVE EACH CONDUIT OR SET OF CONDUITS.
  - B. IDENTIFY EACH CONDUIT AT BOTH ENDS.
  - C. INSTALL A MINIMUM OF 36 INCHES BELOW THE FINISHED GRADE, OR DEEPER IF NOTED ON PLAN DRAWINGS
  - D. USE MANUFACTURED ELECTRICAL PVC ELBOWS AND FITTINGS FOR BELOW GRADE BENDS.
  - E. MAKE JOINTS AND FITTINGS WATERTIGHT ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
  - F. INSTALL A COUPLING BEFORE EACH WALL PENETRATION
  - G. RESTORE SURFACE FEATURES DISTURBED BY EXCAVATION (AND TRENCHING) IN ALL AREAS.
  - H. ENCLOSURES IN DRY LOCATION SHALL BE NEMA 1

CONDUCTORS

- ALL POWER, CONTROL AND COMMUNICATION WIRING SHALL MEET REQUIRED NEMA-RATINGS, ASTM, UL, AND NEC STANDARDS FOR MATERIAL AND WORKMANSHIP UNLESS OTHERWISE SPECIFIED.
  - A. SERVICE ENTRANCE CONDUCTORS SHALL BE COPPER, 200 VOLT, SUNLIGHT RESISTANT, SUITABLE FOR WET LOCATIONS, TYPE USE-2. THE GROUNDED NEUTRAL CONDUCTOR SHALL BE IDENTIFIED WITH A WHITE MARKING AT EACH TERMINATION.
  - B. CONDUCTORS FOR FEEDER AND BRANCH CIRCUITS SHALL BE COPPER 200 VOLT, TYPE THHN/THWN WITH A MINIMUM SIZE OF #12 AWG.
- ALL CONDUCTOR ACCESSORIES INCLUDING CONNECTORS, TERMINATIONS, INSULATING MATERIALS, SUPPORT GRIPS, MARKER AND CABLE TIES SHALL BE FURNISHED AND INSTALLED. SUPPLIER'S INSTALLATION INSTRUCTIONS SHALL BE OBTAINED FOR CABLE ACCESSORIES. THESE INSTRUCTIONS SHALL BE IN THE POSSESSION OF THE CRAFTSMAN WHILE INSTALLING THE ACCESSORIES AND SHALL BE AVAILABLE TO THE COMPANY FOR REFERENCE.
- TERMINAL CONNECTORS FOR CONDUCTORS SMALLER THAN 8 AWG SHALL BE COMPRESSION TYPE CONNECTORS SIZED FOR THE CONDUCTOR AND THE TERMINAL. THE CONNECTORS SHALL BE CONSTRUCTED OF FINE GRADE HIGH CONDUCTIVITY COPPER IN ACCORDANCE WITH QQ-C-576 AND SHALL BE TIN-PLATED IN ACCORDANCE WITH MIL-T-10727. THE INTERIOR SURFACE OF THE CONNECTOR WIRE BARREL SHALL BE SERRATED, AND THE EXTERIOR SURFACE OF THE CONNECTOR WIRE BARREL SHALL BE PROVIDED WITH CRIMP GUIDES.
- TERMINAL CONNECTORS FOR CONDUCTORS 8 AWG AND LARGER SHALL BE PRESSURE OR BOLTED CLAMP TYPE, BURNDY QUIKLUK, VARILUG OR ACCEPTABLE EQUAL; OR COMPRESSION TYPE; BURNDY TYPE YAV OR YA (LONG BARREL), PANDUIT TYPE LCA OR LCC, OR ACCEPTABLE EQUAL. ACCEPTABLE CONNECTORS INCLUDED WITH COMPANY-FURNISHED EQUIPMENT MAY BE USED.
- TERMINATION PROVISIONS OF EQUIPMENT FOR CIRCUITS RATED 100 AMPERES OR LESS, OR MARKED FOR NOS. 14 THROUGH 1 CONDUCTORS, SHALL BE USED ONLY FOR CONDUCTORS RATED 60 DEG. C (140 DEG F). CONDUCTORS WITH HIGHER TEMPERATURE RATINGS SHALL BE PERMITTED, PROVIDED THE AMPACITY OF EACH CONDUCTOR IS DETERMINED BASED ON THE 60 DEG.C (140 DEG.F) AMPACITY OF THE CONDUCTOR SIZE USED.
- TERMINATION PROVISIONS OF EQUIPMENT FOR CIRCUITS RATED OVER 100 AMPERES, OR MARKED FOR CONDUCTORS LARGER THAN NO. 1, SHALL BE USED ONLY FOR CONDUCTORS RATED 75 DEG.C (167 DEG F). CONDUCTORS WITH HIGH TEMPERATURE RATINGS SHALL BE PERMITTED, PROVIDED THE AMPACITY OF EACH CONDUCTOR IS DETERMINED BASE ON THE 75 DEG. C (167 DEG.F) AMPACITY OF THE CONDUCTOR SIZE USED.
- ALL 600 VOLT OR LESS WIRING, WHERE COMPRESSION TYPE CONNECTORS ARE USED, SHALL BE INSULATED WITH AT LEAST ONE TURN OF "SCOTCHFILL" 200 AMP ELECTRICAL INSULATING PUTTY AND THEN COVERED WITH TWO HALF TURNS OF TAPE SIMILAR TO 3M COMPANY'S "33 PLUS" (33+) PLASTIC TAPE OR 88 OUTDOOR.
- THE ELECTRICAL SERVICE TO THE SITE SHALL BE GROUNDED AT THE SERVICE DISCONNECTING MEANS REQUIRED IN ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE, IN ACCORDANCE WITH ANY LOCAL CODE.
- ALL UNDERGROUND (BELOW GRADE) GROUNDING CONNECTIONS SHALL BE MADE BY THE CADWELD PROCESS (MECHANICAL LUG ATTACHMENTS BELOW GRADE ARE NOT ACCEPTABLE). CONNECTIONS SHALL INCLUDE ALL CABLE TO CABLE SPLICES (TEES, Xs, ETC.) ALL MATERIALS USED (MOLDS, WELDING METAL, TOOLS, ETC.) SHALL BE BY CADWELD AND INSTALLED PER MANUFACTURER'S RECOMMENDATION AND PROCEDURES.

LIGHTNING PROTECTION

- LIGHTNING PROTECTION MATERIAL SHALL BE FURNISHED BY AND INSTALLED BY CONTRACTOR.

HANGERS AND SUPPORT

- MATERIALS, ALL HANGERS, SUPPORTS, FASTENERS, AND HARDWARE SHALL BE ZINC COATED OR OF EQUIVALENT CORROSION RESISTANCE BY TREATMENT OR INHERENT PROPERTY, AND SHALL BE MANUFACTURED PRODUCTS DESIGNED FOR THE APPLICATION. PRODUCTS FOR OUTDOOR USE SHALL BE HOT DIP GALVANIZED.
  - TYPES, HANGERS, STRAPS, RISER SUPPORTS, CLAMPS, U-CHANNEL, THREADED RODS, ETC. AS INDICATED OR REQUIRED.
  - INSTALLATION, RIGIDLY SUPPORT AND SECURE ALL MATERIALS, RACEWAY AND EQUIPMENT BUILDING STRUCTURE USING HANGERS, SUPPORTS AND FASTENERS SUITABLE FOR THE USE, MATERIALS AND LOADS ENCOUNTERED, PROVIDE ALL NECESSARY HARDWARE, PROVIDE CONDUIT SUPPORTS AT MAXIMUM 5 FT. O.C.
  - OVERHEAD MOUNTING, ATTACH OVERHEAD MOUNTED EQUIPMENT TO STRUCTURAL FRAMEWORK OR SUPPORTING METAL FRAMEWORK.
  - WALL MOUNTING, SUPPORT WALL MOUNTED EQUIPMENT BY MASONRY, CONCRETE BLOCK, METAL FRAMING OR SUB-FRAMING.
  - EXTERIOR WALLS, MOUNT ALL EQUIPMENT LOCATED ON THE INTERIOR OF EXTERIOR BUILDING WALLS AT LEAST ONE INCH AWAY FROM WALL SURFACE, USING SUITABLE SPACERS.
  - STRUCTURAL MEMBERS, DO NOT CUT, DRILL OR WELD ANY STRUCTURAL MEMBER EXCEPT SPECIFICALLY APPROVED BY THE ENGINEER.
  - INDEPENDENT SUPPORT, DO NOT SUPPORT MATERIALS OR EQUIPMENT FROM OTHER EQUIPMENT, PIPING, DUCTWORK OR SUPPORTS FOR SAME.
  - RACEWAY SUPPORTS, RIGIDLY SUPPORT ALL RACEWAY WITH MAXIMUM SPACINGS PER NEC. AND SO AS TO PREVENT DISTORTION OF ALIGNMENT DURING PULLING OPERATION, USE APPROVED HANGERS, CLAMPS AND STRAPS FOR INDIVIDUAL RUNS. DO NOT USE PERFORATED STRAPS OR TIE WIRES. WHERE MULTIPLE PARALLEL RACEWAYS ARE TO RUN TOGETHER, USE TRAPEZE TYPE HANGER ARRANGEMENT MADE FROM U-CHANNEL AND ACCESSORIES. SUSPENDED FOR FUTURE INSTALLATION OF ADDITIONAL RACEWAYS, RIGIDLY ANCHOR VERTICAL CONDUITS SERVING FLOOR MOUNTED OR "ISLAND" TYPE EQUIPMENT MOUNTED AWAY FROM WALLS WITH METAL BRACKET OR RIGID STEEL CONDUIT EXTENSION SECURED TO FLOOR.
  - MISCELLANEOUS SUPPORTS, PROVIDE ANY ADDITIONAL STRUCTURAL SUPPORT STEEL BRACKETS, ANGLES, FASTENERS, AND HARDWARE AS REQUIRED TO ADEQUATELY SUPPORT ALL ELECTRICAL MATERIALS AND EQUIPMENT.
  - ONE HOLE STRAPS SHALL NOT BE USED FOR CONDUITS LARGER THAN 3/4 INCH.
- CUTTING AND PATCHING
- GENERAL: PROVIDE ALL CUTTING, DRILLING, CHASING, FITTING AND PATCHING NECESSARY FOR ACCOMPLISHING THE WORK. THIS INCLUDES ANY AND ALL WORK NECESSARY TO UNCOVER WORK TO PROVIDE FOR INSTALLATION OF ILL TIMES WORK. REMOVE AND REPLACE DEFECTIVE WORK AND WORK NOT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. INSTALL EQUIPMENT AND MATERIALS IN EXISTING STRUCTURES IN ADDITION TO THAT REQUIRED DURING THE NORMAL COURSE OF CONSTRUCTION.
  - BUILDING STRUCTURE: DO NOT ENDANGER THE INTEGRITY OF THE BUILDING STRUCTURE BY CUTTING, DRILLING OR OTHERWISE MODIFYING ANY STRUCTURAL MEMBER WITHOUT SPECIFIC APPROVAL. DO NOT PROCEED WITHOUT ANY STRUCTURAL MODIFICATIONS WITHOUT PERMISSION OF THE PROJECT STRUCTURAL ENGINEER.
  - REPAIRS: REPAIR ANY AND ALL DAMAGE TO WORK OF OTHER TRADES CAUSED BY CUTTING AND PATCHING OPERATIONS, USING SKILLED MECHANICS OF THE TRADES INVOLVED.

- GENERAL: PROVIDE ALL HOLES, SLEEVES, AND OPENINGS REQUIRED FOR THE COMPLETION OF WORK AND RESTORE ALL SURFACES DAMAGED TO MATCH SURROUNDING SURFACES. MAINTAIN INTEGRITY OF ALL FIRE AND SMOKE RATED BARRIERS USING APPROVED FIRE-STOPPING SYSTEMS. WHEN CUTTING HOLES OR OPENINGS, OR INSTALLING SLEEVES, DO NOT CUT, DAMAGE OR DISTURB STRUCTURAL ELEMENTS OR REINFORCING STEEL UNLESS APPROVED IN WRITING, BY THE PROJECT STRUCTURAL ENGINEER.
- CONDUIT PENETRATIONS: SIZE CORE DRILLING HOLES SO THAT AN ANNULAR SPACE OF NOT LESS THAN 1/4 INCH AND NOT MORE THAN 1 INCH IS LEFT AROUND THE CONDUIT, PIPE, ETC. WHEN OPENINGS ARE CUT IN LIEU OF CORE DRILLED, PROVIDE SLEEVE IN ROUGH OPENING. SIZE SLEEVES TO PROVIDE AN ANNULAR SPACE OF NOT LESS THAN 1/4 INCH AND NOT MORE THAN 1 INCH AROUND THE CONDUIT, PIPE, ETC. PATCH AROUND THE SLEEVE TO MATCH SURROUNDING SURFACES.



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Certification & Seal:


1	12/10/21	GALVANIZED STEEL NOTE ON C-4
MARK	DATE	DESCRIPTION
ISSUE PHASE	FINAL	DATE ISSUED 10/20/2021

PROJECT TITLE:  
**PRIMROSE**

PROJECT INFORMATION:  
 RIDGE DRIVE  
 MOUNT HOREB, WI 53572  
 DANE COUNTY  
 TAX ID# 050729190007 & 050729295001  
 SHEET TITLE:

**SPECIFICATIONS**

SCALE: NONE

PROJECT NUMBER	42804
SHEET NUMBER	SP-2



Certification & Seal:

MARK	DATE	DESCRIPTION
1	12/10/21	GALVANIZED STEEL NOTE ON C-4
ISSUE PHASE	FINAL	DATE ISSUED 10/20/2021

PROJECT TITLE:  
**PRIMROSE**

PROJECT INFORMATION:  
 RIDGE DRIVE  
 MOUNT HOREB, WI 53572  
 DANE COUNTY  
 TAX ID# 050729190007 & 050729295001

SHEET TITLE:  
**OVERALL SITE PLAN WITH AERIAL**

11" x 17" - 1" = 80'  
 22" x 34" - 1" = 40'

PROJECT NUMBER: 42804  
 SHEET NUMBER: C-1

**OVERALL SITE PLAN W/ AERIAL PHOTO** ①  
 SCALE: 1" = 100'

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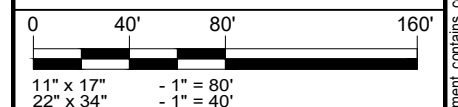
Certification & Seal:

MARK	DATE	DESCRIPTION
1	12/10/21	GALVANIZED STEEL NOTE ON C-4
ISSUE PHASE	FINAL	DATE ISSUED 10/20/2021

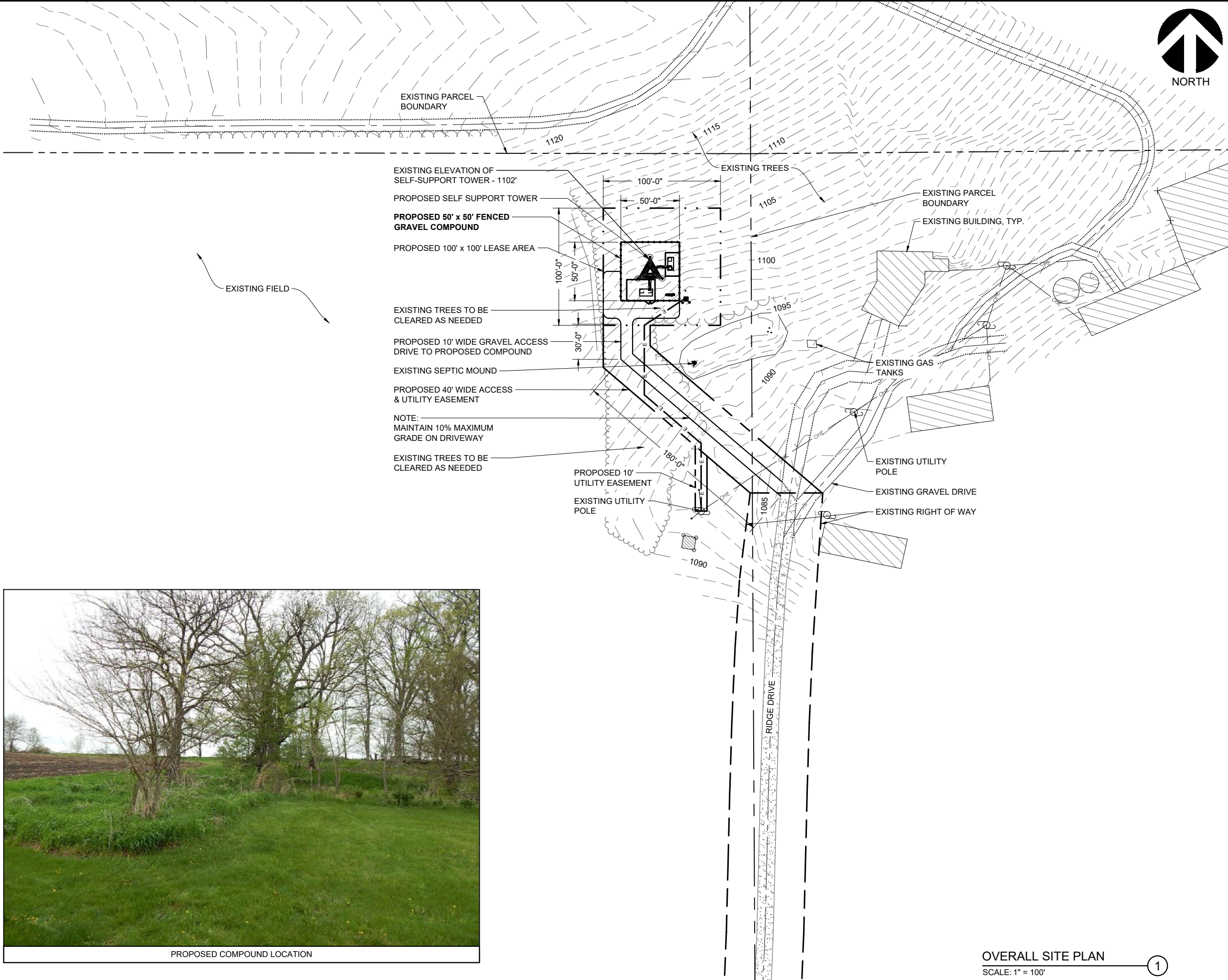
PROJECT TITLE:  
**PRIMROSE**

PROJECT INFORMATION:  
 RIDGE DRIVE  
 MOUNT HOREB, WI 53572  
 DANE COUNTY  
 TAX ID# 050729190007 & 050729295001  
 SHEET TITLE:

**OVERALL SITE PLAN**



PROJECT NUMBER: 42804  
 SHEET NUMBER: C-2



PROPOSED COMPOUND LOCATION

OVERALL SITE PLAN  
 SCALE: 1" = 100'




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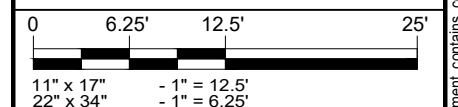
Certification & Seal:

MARK	DATE	DESCRIPTION
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ISSUE PHASE	FINAL	DATE ISSUED 10/20/2021

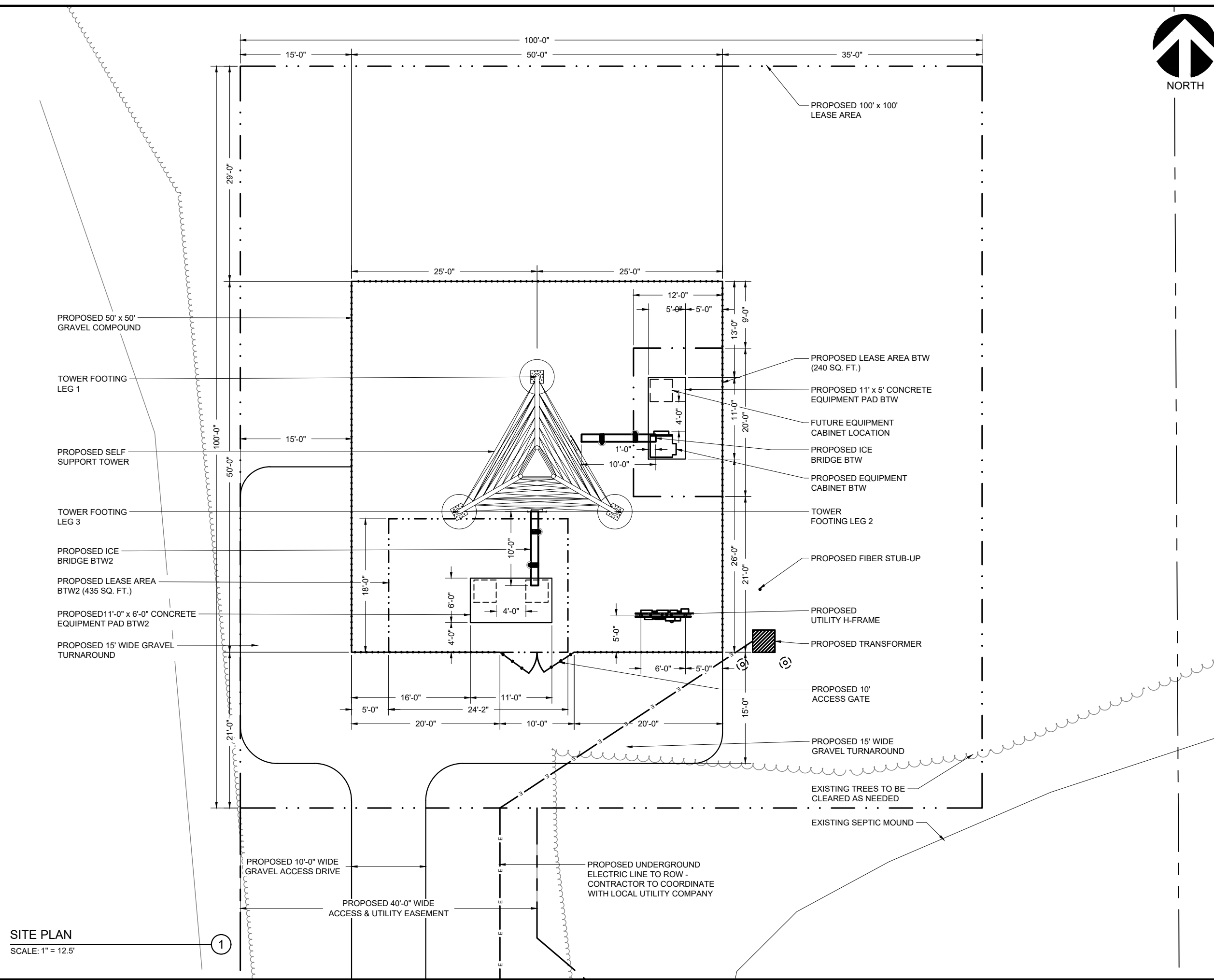
PROJECT TITLE:  
**PRIMROSE**

PROJECT INFORMATION:  
 RIDGE DRIVE  
 MOUNT HOREB, WI 53572  
 DANE COUNTY  
 TAX ID# 050729190007 & 050729295001

SHEET TITLE:  
**SITE PLAN**



PROJECT NUMBER: 42804  
 SHEET NUMBER: C-3



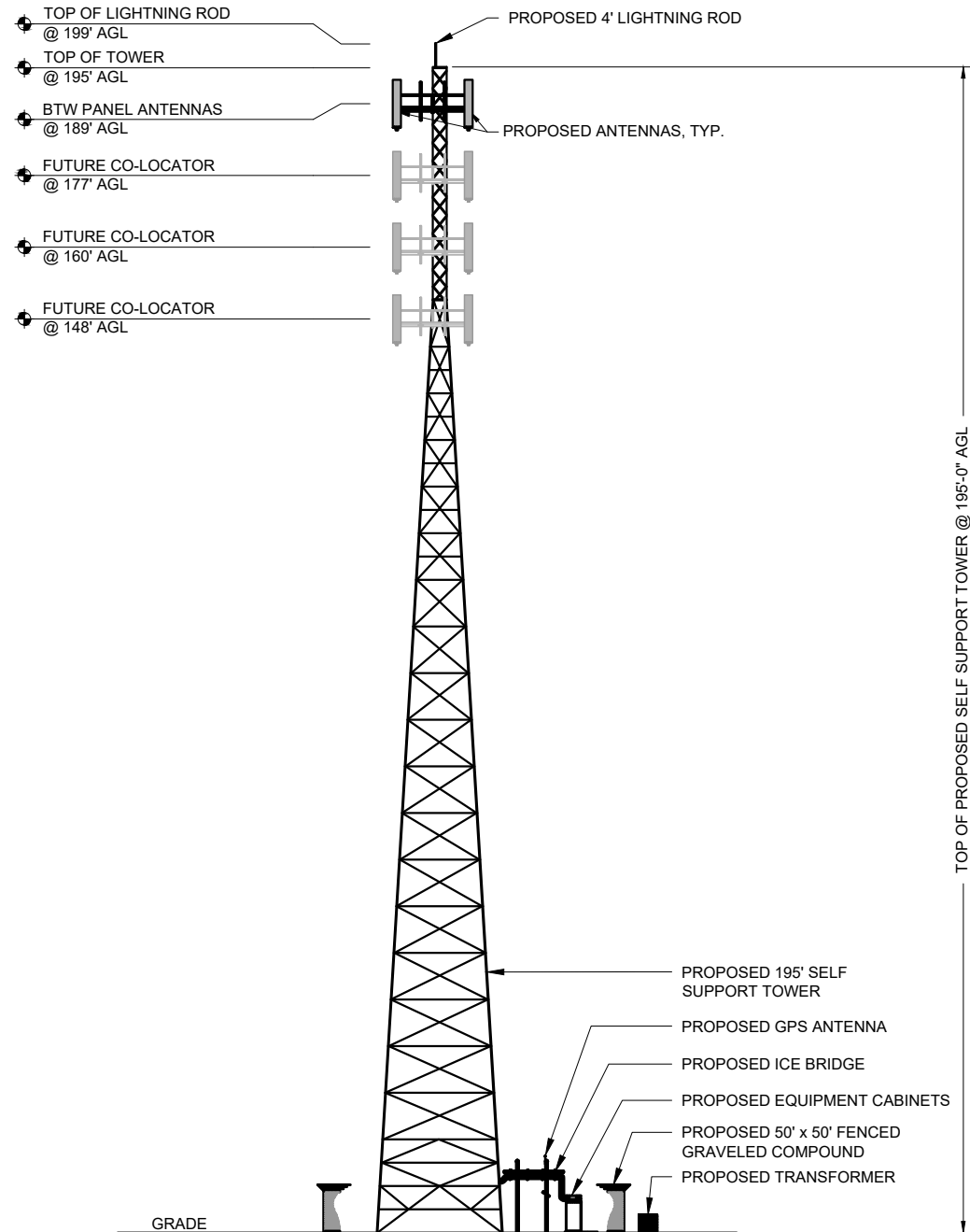
**SITE PLAN**  
 SCALE: 1" = 12.5'

1

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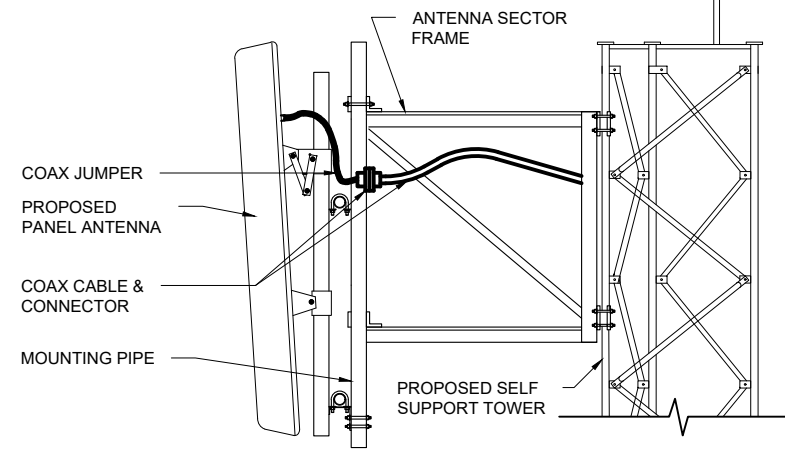
NOTE:  
 TOWER AND ASSOCIATED  
 HARDWARE TO BE  
 GALVANIZED STEEL

NOTE:  
 SEE RF DATA SHEETS  
 FOR CORRECT LOADING



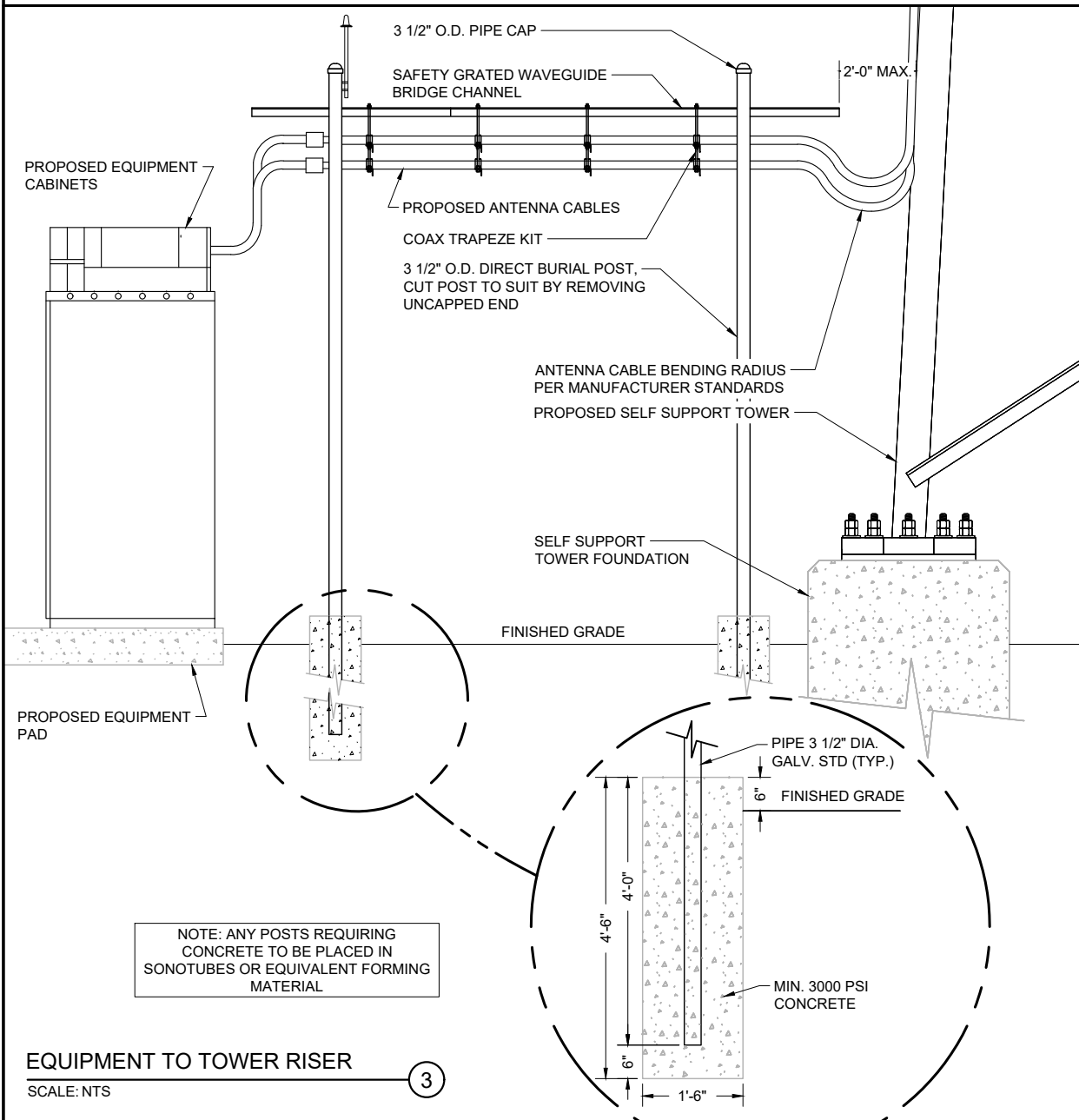
**SITE ELEVATION**  
 SCALE: 1" = 30'

1



**PANEL ANTENNA MOUNT DETAIL**  
 SCALE: NTS

2



**EQUIPMENT TO TOWER RISER**  
 SCALE: NTS

3

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MARK	DATE	DESCRIPTION
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ISSUE PHASE	FINAL	DATE ISSUED 10/20/2021

PROJECT TITLE:  
**PRIMROSE**

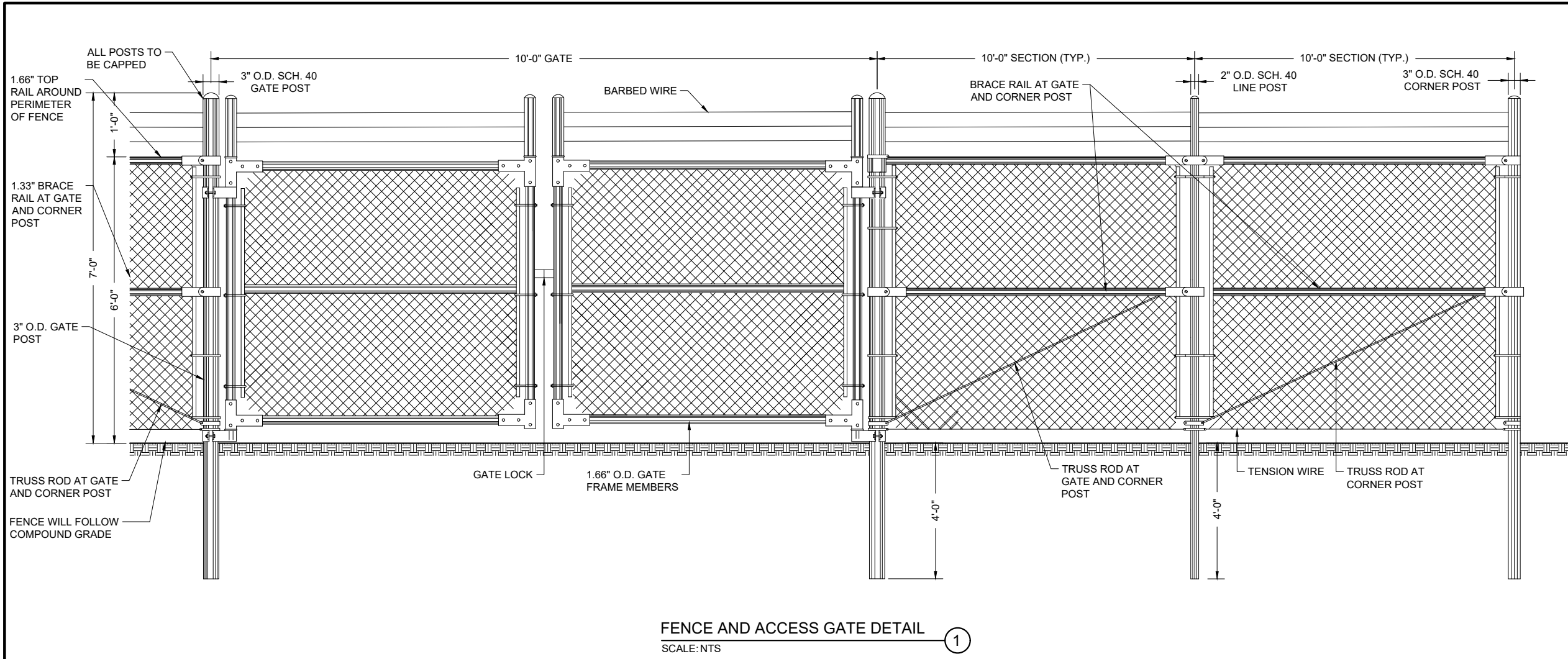
PROJECT INFORMATION:  
 RIDGE DRIVE  
 MOUNT HOREB, WI 53572  
 DANE COUNTY  
 TAX ID# 050729190007 & 050729295001

**SITE ELEVATION**

11" x 17" - 1" = 30'  
 22" x 34" - 1" = 15'

PROJECT NUMBER: 42804  
 SHEET NUMBER: C-4

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FENCE AND ACCESS GATE DETAIL

SCALE: NTS

1

1. SCOPE:

1.1 THIS SECTION COVERS THE REQUIREMENTS FOR THE MATERIALS AND THE CONSTRUCTION OF SITE FENCING AND GUY AREA FENCING. SEE SITE PLAN AND DRAWINGS FOR DETAILS.

2. SPECIAL REQUIREMENTS

- 2.1 ALL WIRE, FABRIC, FITTINGS, HARDWARE AND STEEL MEMBERS USED FOR SITE AREA FENCING SHALL BE HOT DIPPED GALVANIZED OR OTHER APPROVED NON-CORROSIVE MATERIAL.
- 2.2 ALL NON-CORROSIVE MATERIAL SHALL BE APPROVED BY THE PROJECT MANAGER.
- 2.3 ANY DAMAGE TO GALVANIZING OR NON-CORROSIVE COATING DURING CONSTRUCTION SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S RECOMMENDED METHODS. INSTALLATION PRACTICE:

3. FENCE POSTS

- 3.1 LOCATION OF CORNER POSTS SHALL BE DETERMINED FROM STAKES AND PROPERTY PINS INSTALLED BY THE REGISTERED LAND SURVEYOR UNDER CONTRACT. IF THE STAKES ARE NOT PRESENT OR DO NOT CONFORM TO THE SITE PLAN, CONSULT WITH THE PROJECT MANAGER.
- 3.2 CORNERS AND GATE POST FOR SITE SHALL BE 2.875" O.D. GALVANIZED PIPE. UNLESS SPECIFIED OTHERWISE
- 3.3 CORNER POSTS SHALL BE SET WITHIN ONE INCH (1") OF DIMENSIONS INDICATED ON THE SITE PLAN.
- 3.4 FENCE POSTS SHALL BE VERTICALLY PLUMB IN ALL PLANES WITHIN 1/2 INCH (1/2").
- 3.5 CORNER & GATE POST FOUNDATIONS SHALL BE A MINIMUM FOUR FEET (4') DEEP OR SIX INCHES (6") BELOW THE FROST LINE, WHICHEVER IS GREATER, WITH MINIMUM SIX INCH (6") CLEARANCE BETWEEN BOTTOM OF POST AND BOTTOM OF THE HOLE.
- 3.6 CORNER POSTS AND GATE POSTS SPACING SHALL BE EQUAL WITH A TEN FOOT (10') MAXIMUM SPACING. GATE POST SPACING AND SPECIFIC LOCATIONS SHALL BE IN ACCORDANCE WITH SITE PLAN AND SHALL BE VERIFIED PROJECT MANAGER.
- 3.7 ALL POSTS SHALL BE CAPPED.
- 3.8 ALL CORNER, GATE AND END PANELS SHALL HAVE MINIMUM... " DIAMETER DIAGONAL TRUSS RODS WITH THUMBCKLES. HORIZONTAL BRACE RODS, 1-1/2 " INSIDE DIMENSION PIPE, SHALL BE INSTALLED BETWEEN POSTS.
- 3.9 A TOP RAIL (1-3/8" I.D.) GALVANIZED PIPE SHALL BE INSTALLED BETWEEN POSTS.
- 3.10 ALL FOUR CORNERS POSTS AND BOTH GATE POSTS SHALL BE CONNECTED TO THE SITE GROUNDING SYSTEM (REFER TO GROUNDING SYSTEM STANDARD).

4. GATE

- 4.1 LOCATION OF GATE SHALL CONFORM TO THE SITE PLAN. GATE SIZE SHALL BE PER PLAN SPECIFICATIONS.
- 4.2 ALL JOINTS BETWEEN TUBULAR GATE MEMBERS SHALL BE WELDED OR HEAVY FITTINGS PROVIDING RIGID AND WATERTIGHT CONNECTIONS.
- 4.3 GATE HINGES SHALL PROVIDE FOR 180 DEGREE RADIUS GATE SWING. ALL HINGE NUTS SHALL BE ON THE INSIDE AND DOUBLE-NUT TO DETER UNAUTHORIZED ENTRY.
- 4.4 GATE STOPS SHALL BE INSTALLED AND SHALL HOLD GATE IN "OPEN" POSITION.
- 4.5 BARBED WIRE GUARD SHALL BE INSTALLED ON TOP OF GATES. ADEQUATE CLEARANCE SHALL BE MAINTAINED TO ALLOW GATE OPERATION.
- 4.6 GATE SHALL BE INSTALLED PLUMB AND SHALL OPEN AND CLOSE FREELY.
- 4.7 GATE POSTS SHALL NOT BE SHARED AS A CORNER POST.
- 4.8 THE FOLLOWING GATE TYPE SHALL BE PROVIDED AND INSTALLED AS INDICATED ON THE SITE PLAN AND VERIFIED WITH THE PROJECT MANAGER:

Certification & Seal:

MARK	DATE	DESCRIPTION
1	12/10/21	GALVANIZED STEEL NOTE ON C-4

ISSUE PHASE	DATE ISSUED
FINAL	10/20/2021

PROJECT TITLE:  
**PRIMROSE**

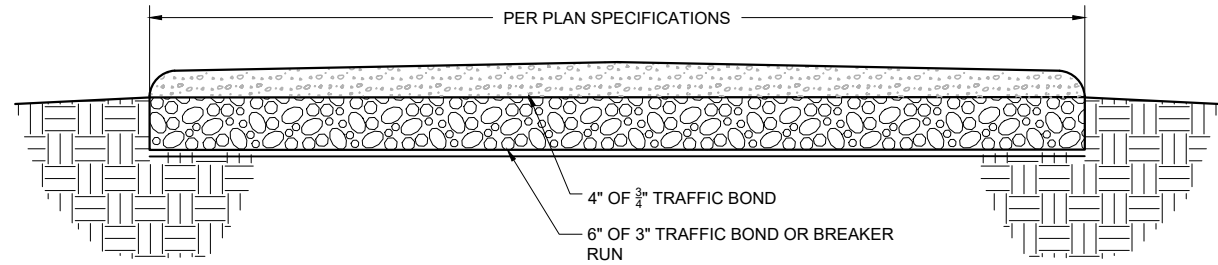
PROJECT INFORMATION:  
 RIDGE DRIVE  
 MOUNT HOREB, WI 53572  
 DANE COUNTY  
 TAX ID# 050729190007 & 050729295001

SHEET TITLE:  
**FENCE DETAILS**

SCALE: NONE

PROJECT NUMBER	42804
SHEET NUMBER	C-5

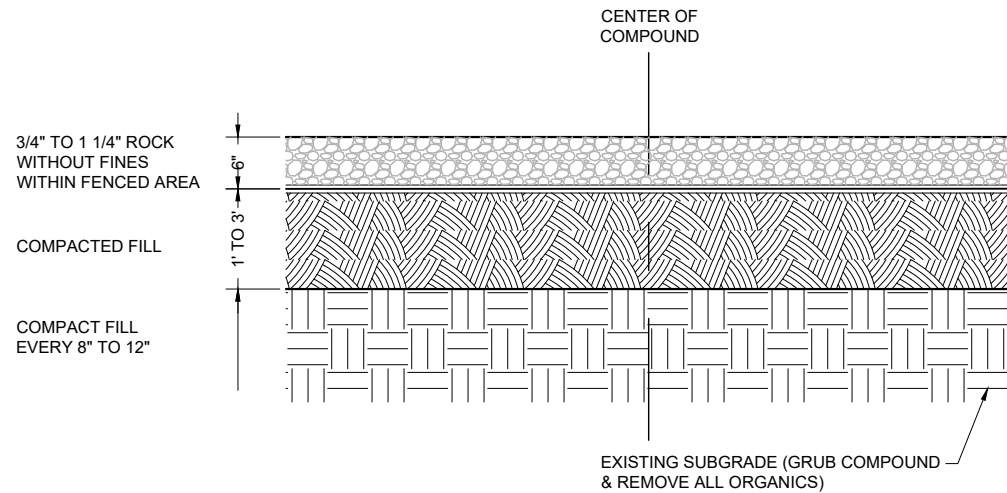




**GRAVEL ACCESS ROAD**

SCALE: NTS

1

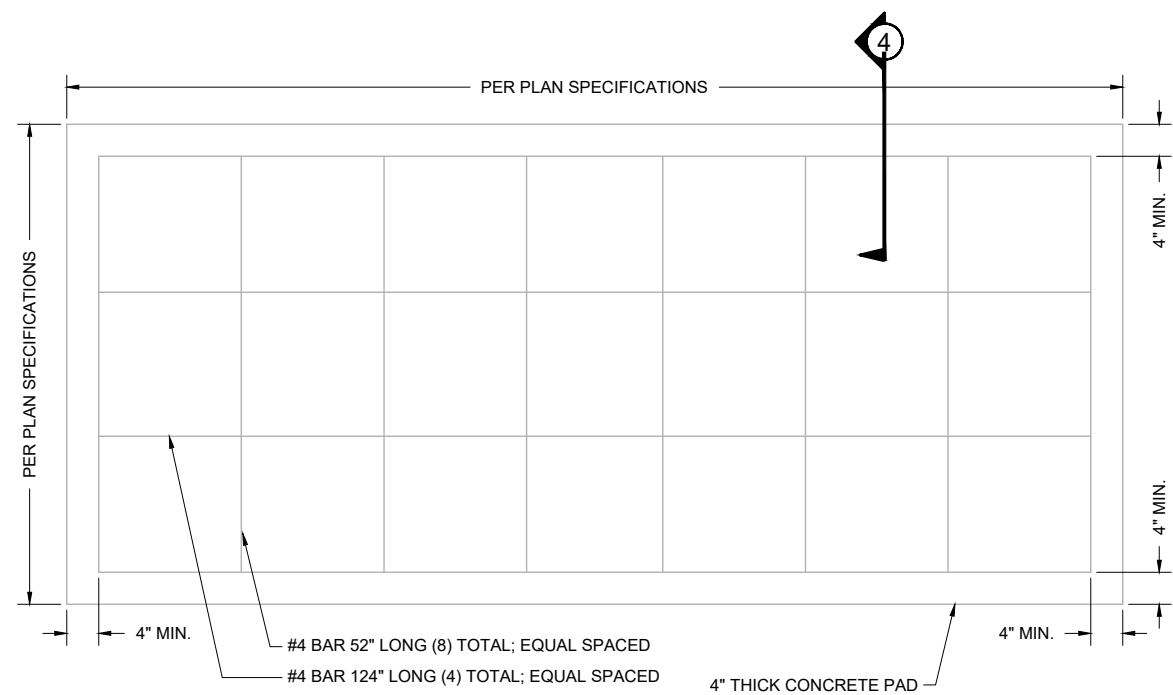


**GRAVEL COMPOUND**

SCALE: NTS

2

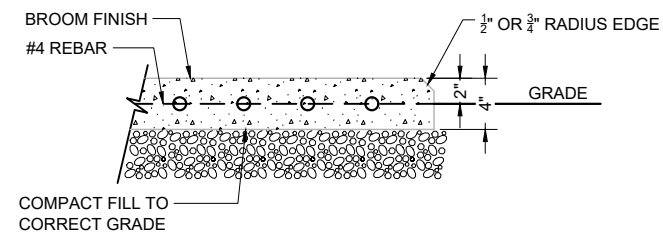
NOTE:  
 REINFORCEMENT MUST CONFORM TO THE  
 REQUIREMENTS OF ASTM AG15 GRADE 60



**EQUIPMENT CONCRETE PLAN**

SCALE: NTS

3



**CONCRETE PAD DETAIL**

SCALE: NTS

4

Certification & Seal:

MARK	DATE	DESCRIPTION
1	12/10/21	GALVANIZED STEEL NOTE ON C-4
ISSUE PHASE	FINAL	DATE ISSUED 10/20/2021

PROJECT TITLE:

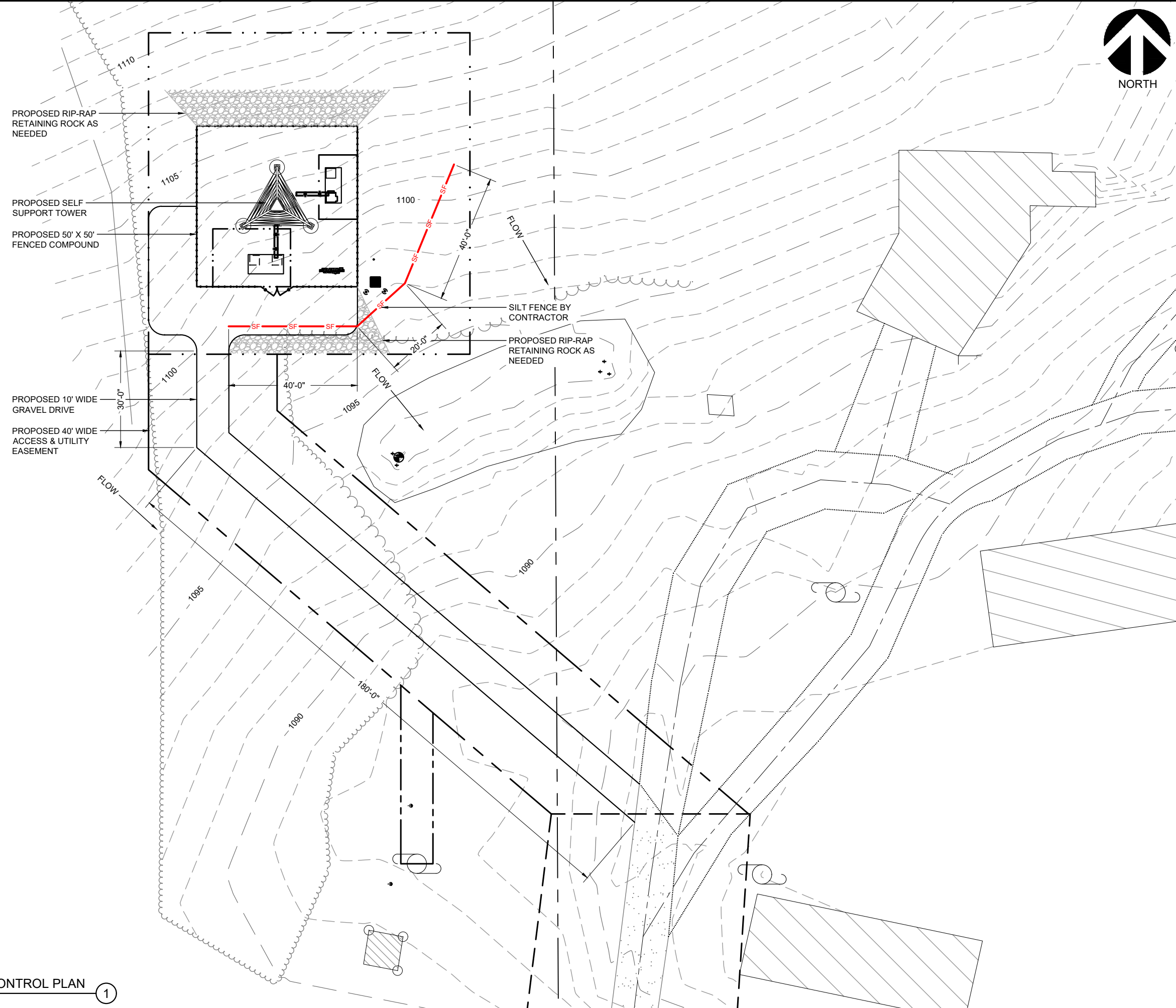
**PRIMROSE**

PROJECT INFORMATION:  
 RIDGE DRIVE  
 MOUNT HOREB, WI 53572  
 DANE COUNTY  
 TAX ID# 050729190007 & 050729295001  
 SHEET TITLE:

**SITE DETAILS**

SCALE: NONE

PROJECT NUMBER	42804
SHEET NUMBER	C-6



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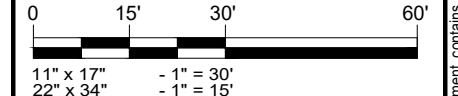
Certification & Seal:

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ISSUE PHASE	FINAL	DATE ISSUED 10/20/2021

PROJECT TITLE:  
**PRIMROSE**

PROJECT INFORMATION:  
 RIDGE DRIVE  
 MOUNT HOREB, WI 53572  
 DANE COUNTY  
 TAX ID# 050729190007 & 050729295001

SHEET TITLE:  
**EROSION CONTROL PLAN**



**EROSION CONTROL PLAN** ①  
 SCALE: 1" = 30'

PROJECT NUMBER: 42804  
 SHEET NUMBER: L-1

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Certification & Seal:

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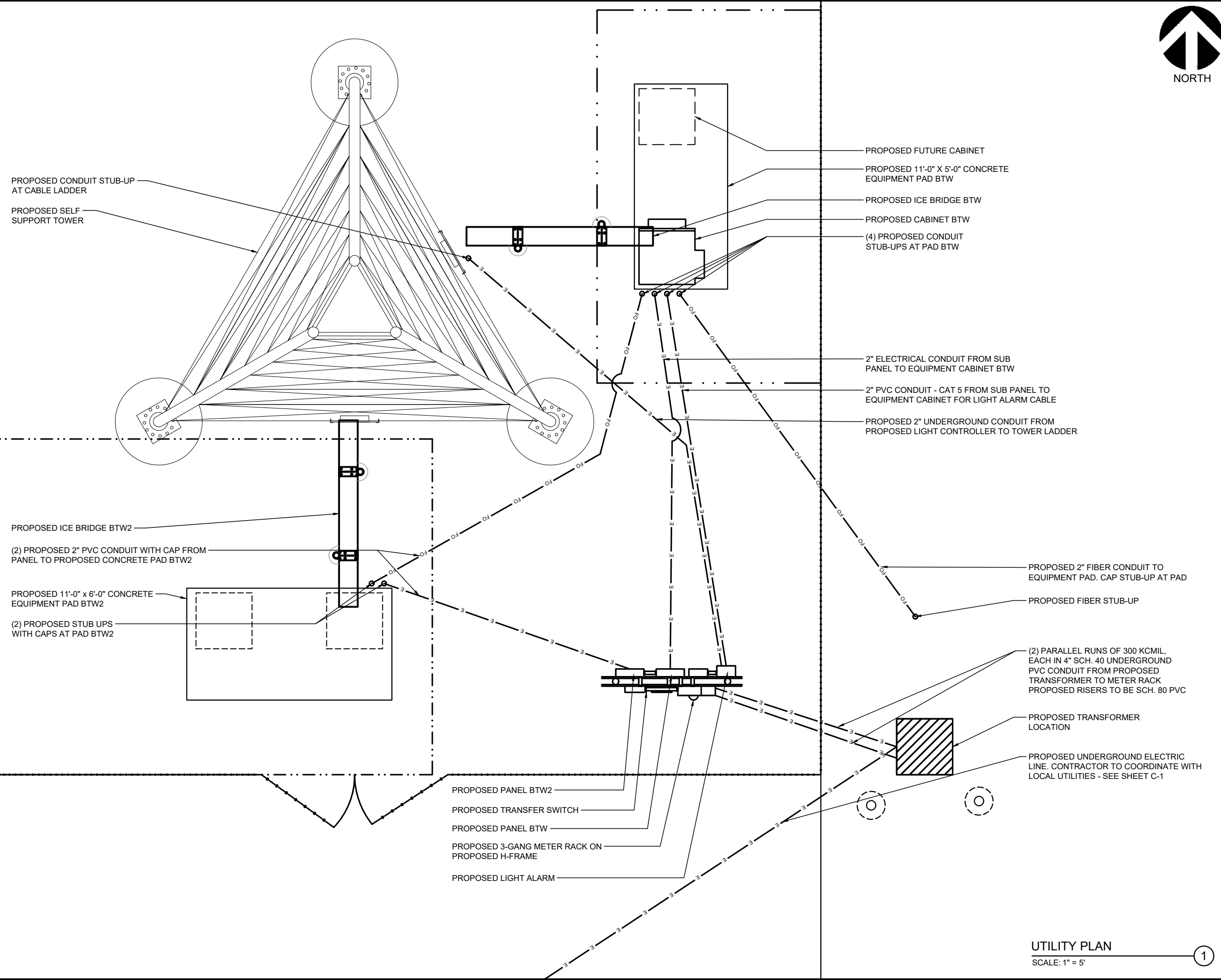
PROJECT TITLE:  
**PRIMROSE**

PROJECT INFORMATION:  
 RIDGE DRIVE  
 MOUNT HOREB, WI 53572  
 DANE COUNTY  
 TAX ID# 050729190007 & 050729295001

SHEET TITLE:  
**UTILITY PLAN**

11" x 17" - 1" = 5'  
 22" x 34" - 1" = 2.5'

PROJECT NUMBER: 42804  
 SHEET NUMBER: E-1



**UTILITY PLAN**  
 SCALE: 1" = 5'

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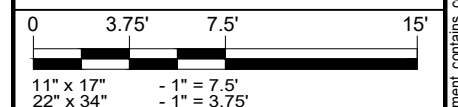
Certification & Seal:

MARK	DATE	DESCRIPTION
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ISSUE PHASE	FINAL	DATE ISSUED 10/20/2021

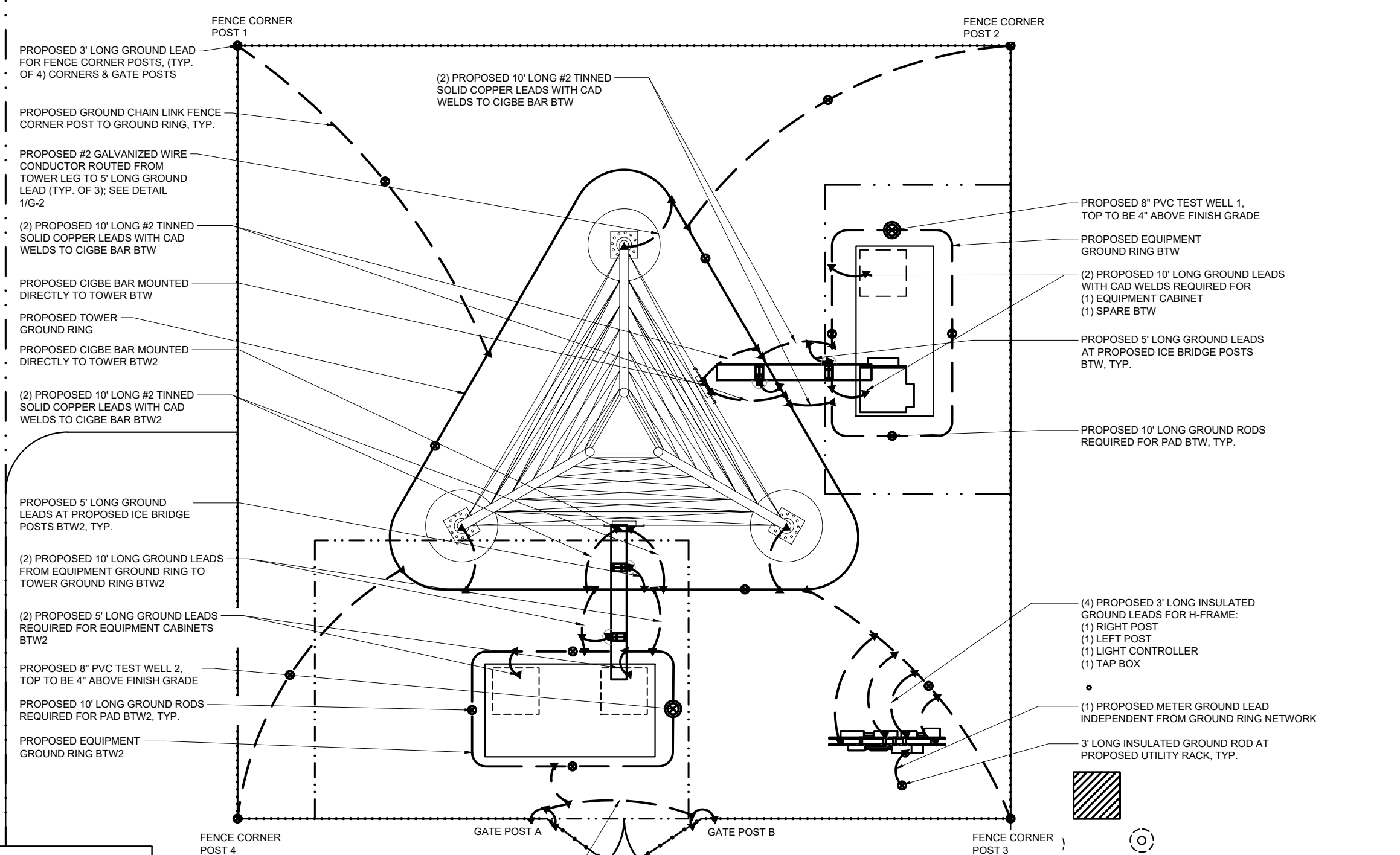
PROJECT TITLE:  
**PRIMROSE**

PROJECT INFORMATION:  
 RIDGE DRIVE  
 MOUNT HOREB, WI 53572  
 DANE COUNTY  
 TAX ID# 050729190007 & 050729295001  
 SHEET TITLE:

**GROUNDING PLAN**



PROJECT NUMBER: 42804  
 SHEET NUMBER: G-1

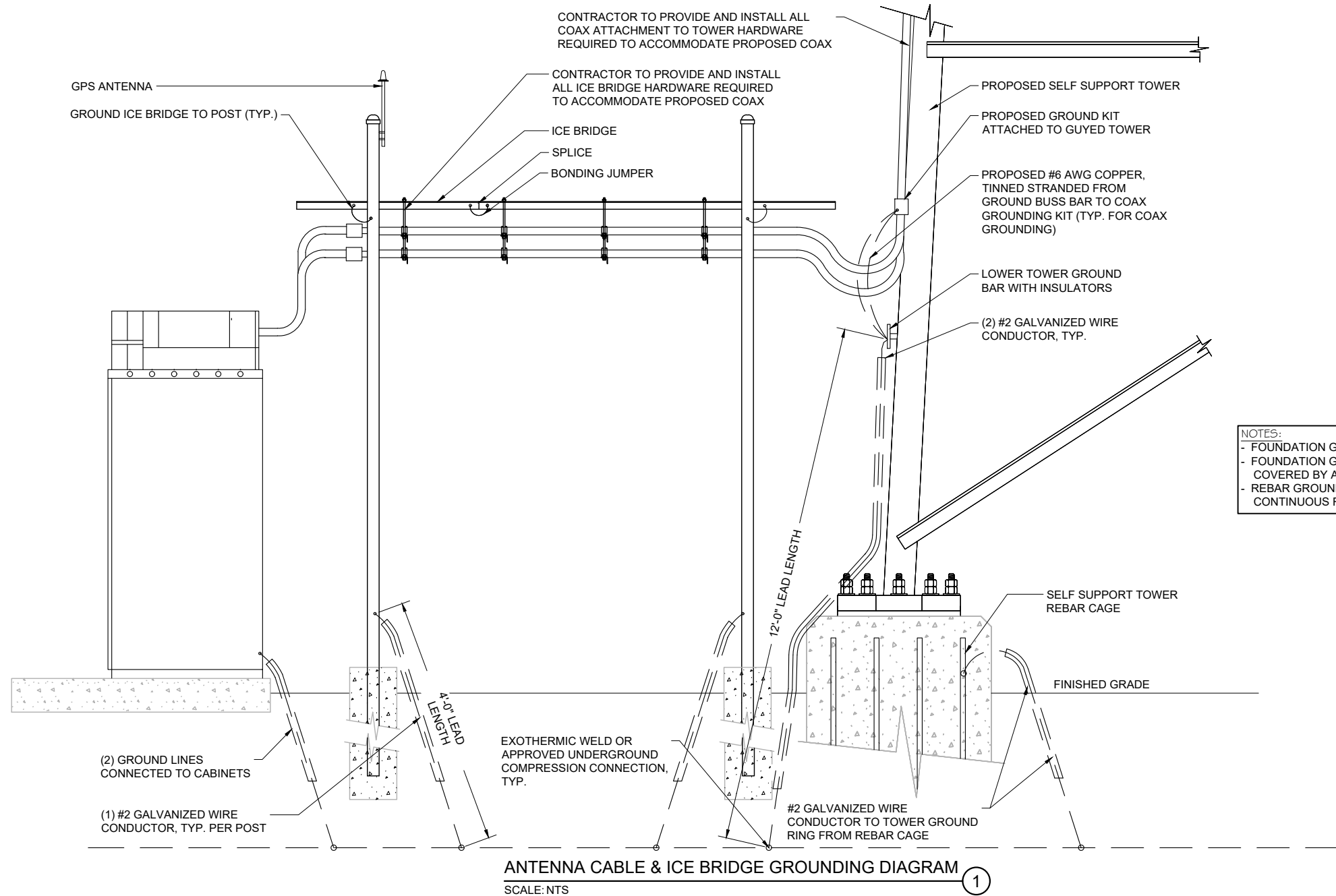


**GROUNDING SCHEDULE**

—	#2 TINNED SOLID COPPER WIRE
▲	EXOTHERMIC CONNECTION
⊗	GROUND ROD
⊙	GROUND TEST WELL
MIGB	MASTER ISOLATED GROUND BAR
CIGBE	COAX ISOLATED GROUND BAR EXTERNAL

ELECTRICIAN TO PROVIDE DOCUMENT OF OHM'S TEST PRIOR TO BACKFILL - MUST INDICATE LESS THAN 5 OHMS (TEST RESULTS) PICTURES MUST BE EMAILED TO PROJECT MANAGER. PAYMENT WILL BE HELD UNTIL PICTURES HAVE BEEN RECEIVED BY PROJECT MANAGER

**GROUNDING PLAN**  
 SCALE: 1" = 7.5'



Certification & Seal:

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ISSUE PHASE	FINAL	DATE ISSUED 10/20/2021

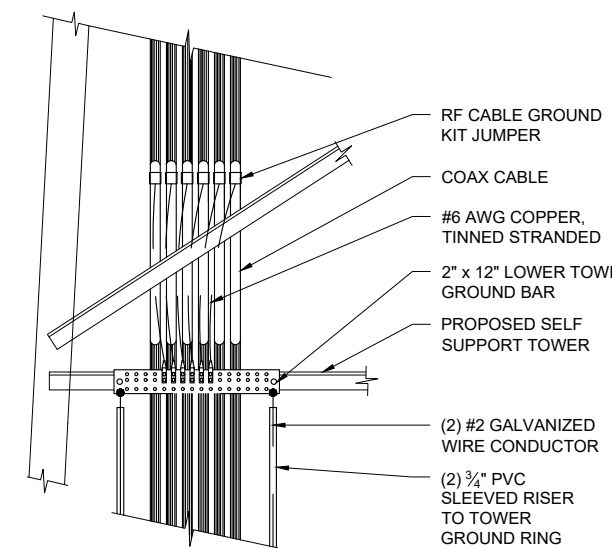
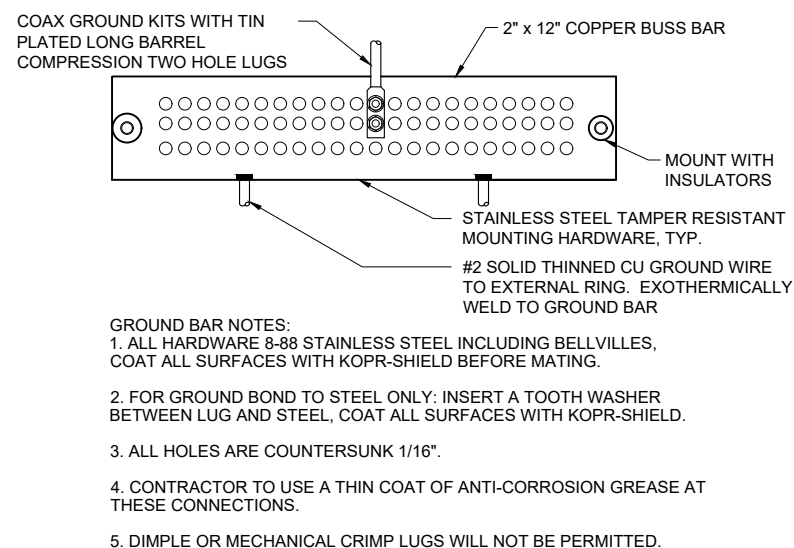
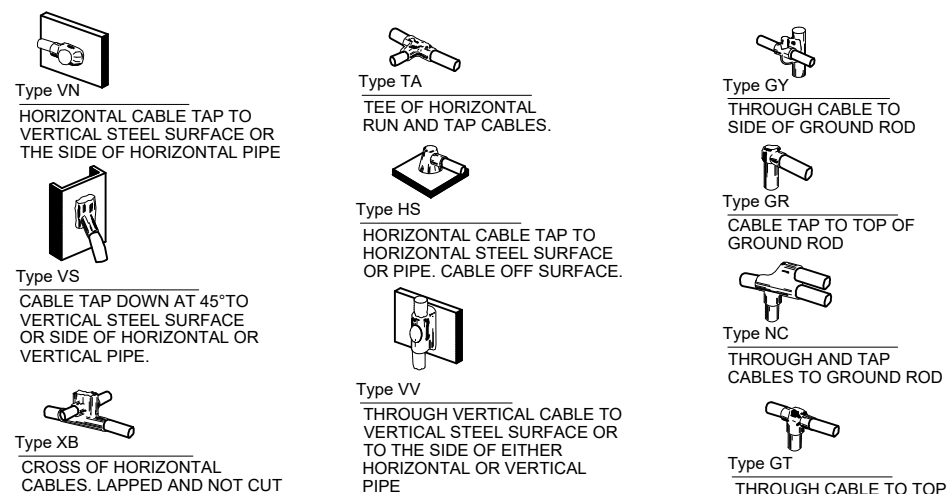
PROJECT TITLE:  
**PRIMROSE**

PROJECT INFORMATION:  
 RIDGE DRIVE  
 MOUNT HOREB, WI 53572  
 DANE COUNTY  
 TAX ID# 050729190007 & 050729295001

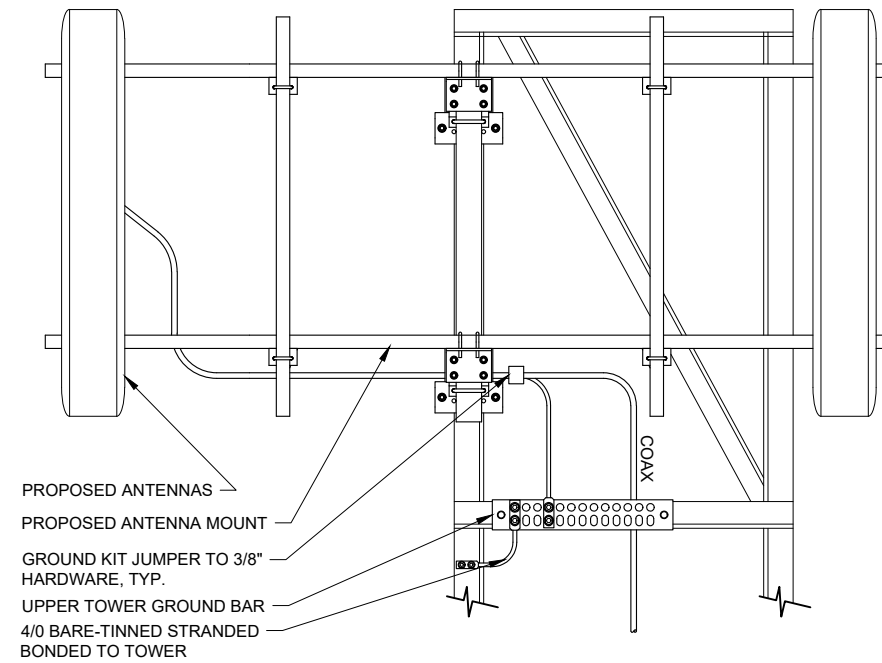
**GROUNDING DETAILS**

SCALE: NONE

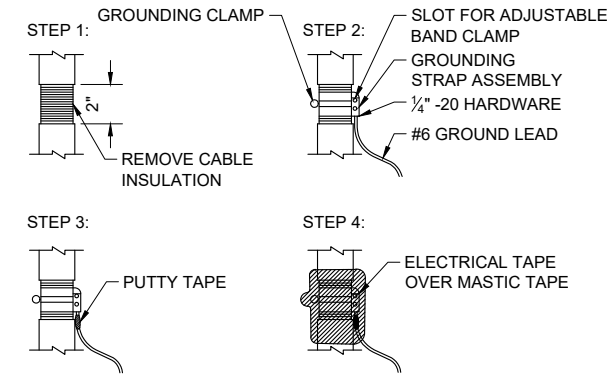
PROJECT NUMBER: 42804  
 SHEET NUMBER: G-2



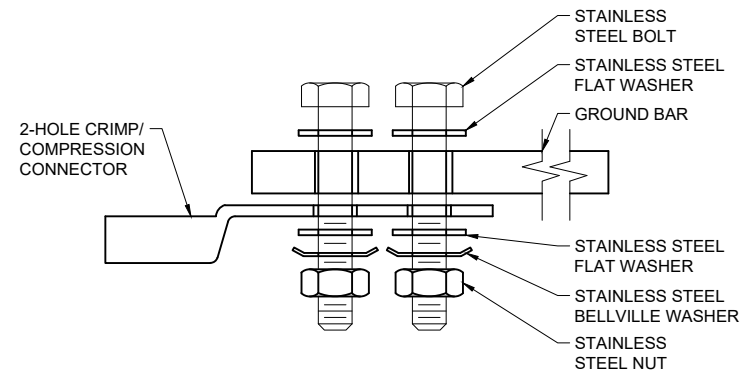
- NOTES:**
1. ALL HARDWARE (BOLTS, SCREWS, NUTS, WASHERS) SHALL BE 18-8 STAINLESS STEEL TYPE GRADE.
  2. CHOOSE BOLT LENGTH TO ALLOW A MIN. OF TWO THREADS EXPOSED.
  3. BURNISH MOUNTING SURFACE TO REMOVE PAINT IN THE AREA OF THE CONNECTOR.
  4. APPLY ANTI-OXIDANT COMPOUND TO MATING SURFACE OF CONNECTOR AND WIPE OFF EXCESS COMPOUND.
  5. OHMS TEST REQUIRED BY ELECTRIC CONTRACTOR PRIOR TO BACKFILL. RESULTS PROVIDED TO CLOUD-1/ INTELEGRA



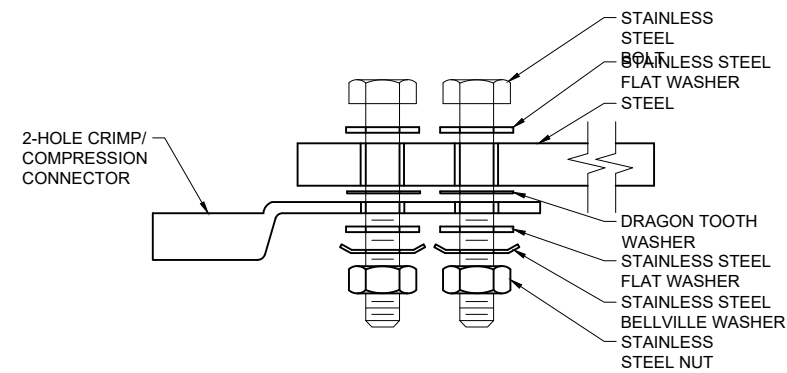
**ANTENNA GROUNDING**  
 SCALE: NTS ①



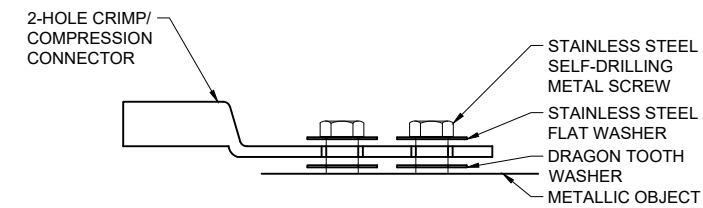
**COAXIAL CABLE GROUNDING**  
 SCALE: NTS ②



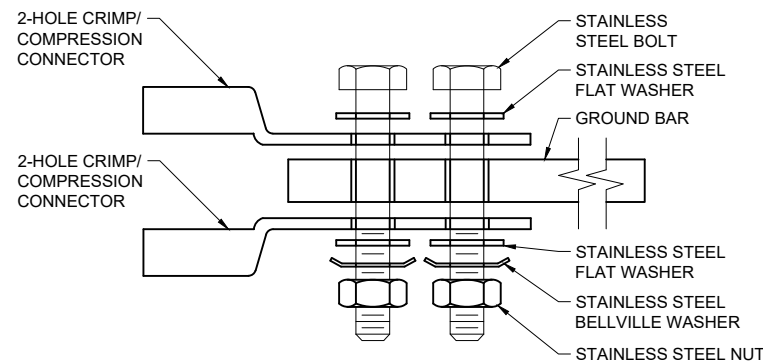
**SINGLE CONNECTOR AT GROUND BARS**



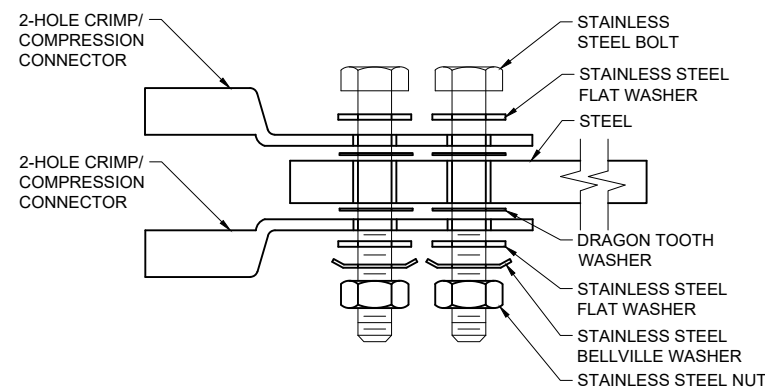
**SINGLE CONNECTOR AT STEEL OBJECTS**



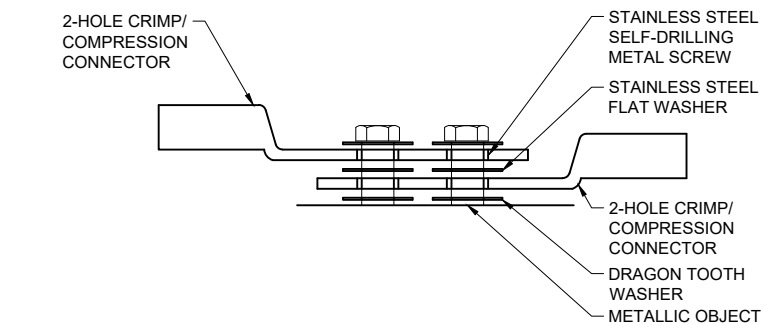
**SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS**



**BACK TO BACK CONNECTORS AT GROUND BARS**



**BACK TO BACK CONNECTORS AT STEEL OBJECTS**



**BACK TO BACK CONNECTORS AT METALLIC/STEEL OBJECTS**

**CONNECTORS AND HARDWARE**  
 SCALE: NTS ③

Certification & Seal:

MARK	DATE	DESCRIPTION
1	12/10/21	GALVANIZED STEEL NOTE ON C-4
ISSUE PHASE	FINAL	DATE ISSUED 10/20/2021

PROJECT TITLE:

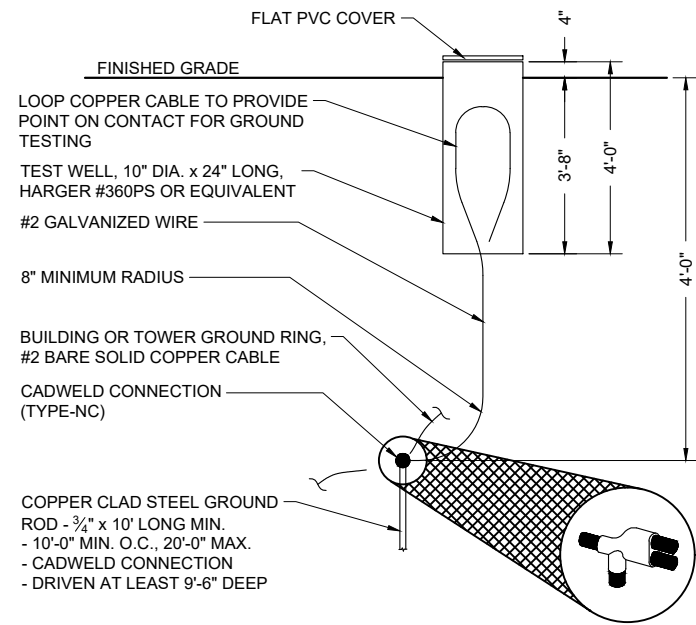
**PRIMROSE**

PROJECT INFORMATION:  
 RIDGE DRIVE  
 MOUNT HOREB, WI 53572  
 DANE COUNTY  
 TAX ID# 050729190007 & 050729295001  
 SHEET TITLE:

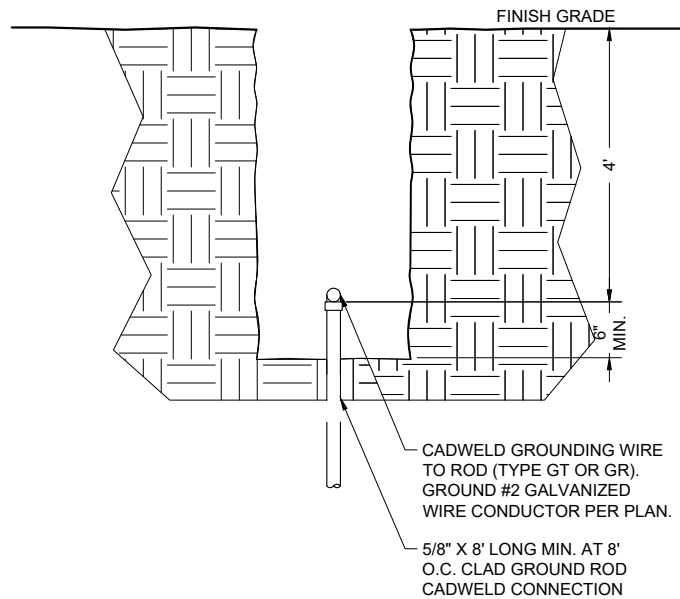
**GROUNDING DETAILS**

SCALE: NONE

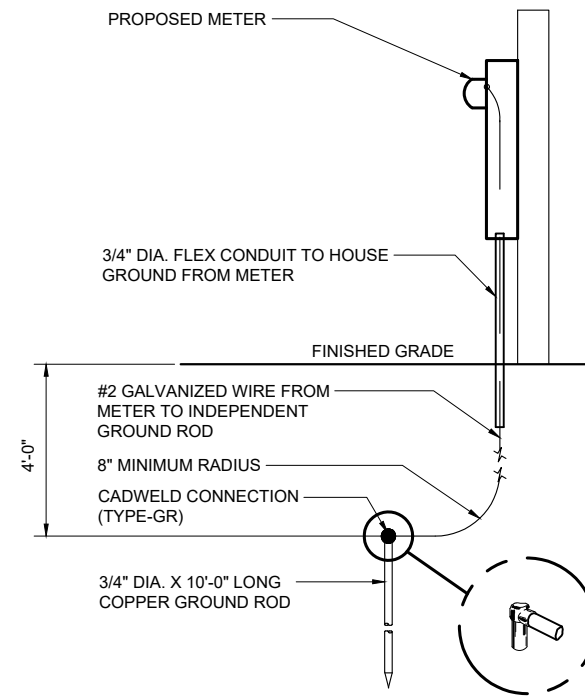
PROJECT NUMBER: 42804  
 SHEET NUMBER: G-3



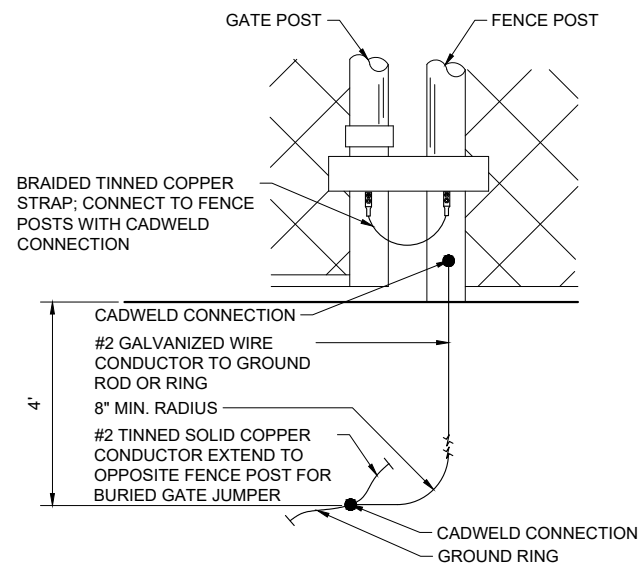
**GROUND TEST WELL**  
 SCALE: NTS



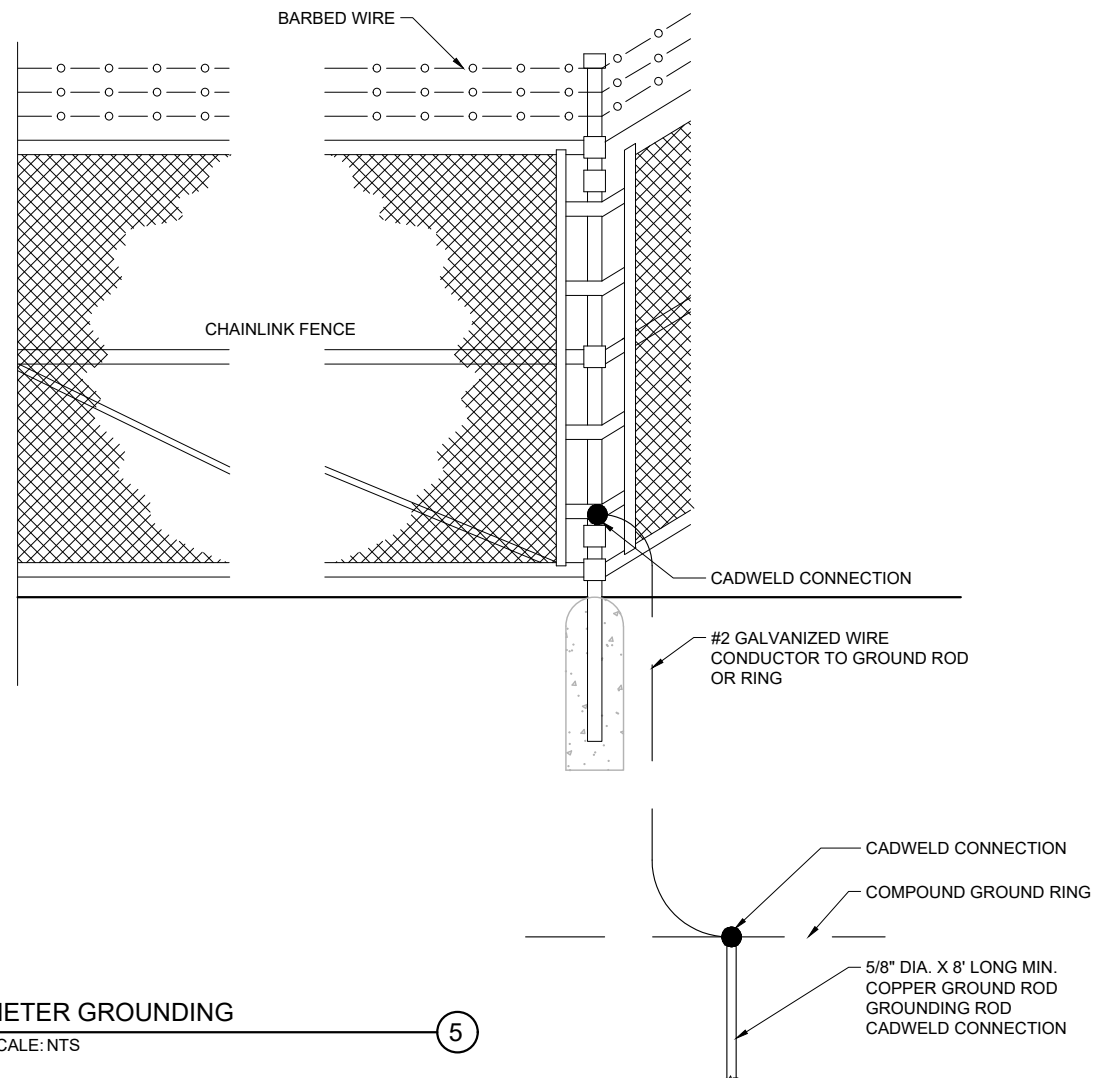
**GROUND ROD**  
 SCALE: NTS



**METER GROUNDING**  
 SCALE: NTS



**GATE GROUNDING**  
 SCALE: NTS



**METER GROUNDING**  
 SCALE: NTS

Certification & Seal:

MARK	DATE	DESCRIPTION
1	12/10/21	GALVANIZED STEEL NOTE ON C-4
ISSUE PHASE	FINAL	DATE ISSUED 10/20/2021

PROJECT TITLE:  
**PRIMROSE**

PROJECT INFORMATION:  
 RIDGE DRIVE  
 MOUNT HOREB, WI 53572  
 DANE COUNTY  
 TAX ID# 050729190007 & 050729295001  
 SHEET TITLE:

**GROUNDING DETAILS**

SCALE: NONE

PROJECT NUMBER	42804
SHEET NUMBER	G-4