

240 LEIGH FARM ROAD, SUITE 230 DURHAM, NC 27707

ECO-SITE NUMBER: NH-0002 T-MOBILE SITE NUMBER: 4NB0203A

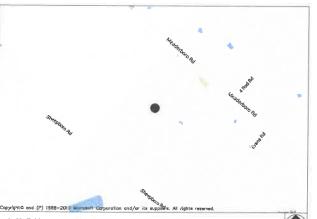
T-MOBILE DESIGN: 4SEC-67D97DB

SITE ADDRESS

144 MEADERBORO ROAD ROCHESTER, NH 03867 STRAFFORD COUNTY

LATITUDE: 43° 18' 38.28" (43.310633°) N LONGITUDE: 71° 03' 13.95" (71.053875°) W

> PARCEL ID #: 232-16-3 **ZONING: AGRICULTURAL**



VICINITY MAP

FROM BOSTON LOGAN INTERNATIONAL AIRPORT TAKE I-90 E TO MA-1A N. IN 2.5 MILES TURN SLIGHTLY LEFT ONTO MA-60 W. IN 1.0 MILES, AT THE TRAFFIC CIRCLE, TAKE THE 3RD EXIT ONTO MA-60 W/SQUIRE RD HEADING TO MALDEN. IN 0.9 MILES AT THE TRAFFIC CIRCLE, TAKE THE 1ST EXIT ONTO THE US-1 N RAMP TO NEWBURYPORT. MERGE ONTO US-1 N. CONTINUE ON US-1N FOR 8.27 MILES AND TAKE THE I-95 N RAMP TO NEW HAMPSHIRE/MAINE. MERGE ONTO I-95 N. IN 37.9 MILES TAKE EXIT 4 TO MERGE ONTO NH-16 N/US-4 W TOWARD WHITE MTS. IN 20.3 MILES TAKE EXIT 13 TOWARD CONCORD, IN 0.3 MILES TURN LEFT ONTO WASHINGTON ST. IN 1.3 MILES TURN RIGHT ONTO ESTES RD. IN 1.4 MILES CONTINUE ONTO MEADERBORO RD. SITE ACCESS DRIVE WILL BE LOCATED APPROXIMATELY 1.4 MILES ON THE LEFT

DRIVING DIRECTIONS

MUNICIPALITY: STRAFFORD COUNTY

STATE: NEW HAMPSHIRE

TOWER TYPE: MONOPINE

TOWER HEIGHT: 145' (145' TO HIGHEST APPURTENANCE)

NUMBER OF CARRIERS: 0 EXISTING, 1 PROPOSED

PROPOSED TELECOMMUNICATIONS TOWER AND UNMANNED EQUIPMENT

CONSULTANT NB+C ENGINEERING SERVICES, LLC 100 APOLLO DRIVE, SUITE 303 CHELMSFORD, MA 01824 PHONE: (978) 856-8308 ATTN.: PATRICK CORBETT

PROJECT SUMMARY

DEVELOPER

ECO-SITE 240 LEIGH FARM ROAD, SUITE 415 DURHAM, NC 27707 PHONE: (919) 636-6810 ATTN: TBD

POWER COMPANY

EVERSOURCE ATTN.: TBD

PHONE: 1 (888) 783-6617

TELEPHONE COMPANY

PHONE: TBD

ATTN.: CUSTOMER SERVICE

PROPERTY OR TOWER OWNER MATTHEW G. SCRUTON

195 TEN ROD ROAD ROCHESTER, NH 03867

CONTACTS

PLANNING BOARD APPROVAL SIGNATURE DATE SIGNATURE DATE SIGNATURE DATE SIGNATURE DATE SIGNATURE DATE SIGNATURE

FLOOD PLAIN NOTE

SITE IS LOCATED WITHIN FEMA FLOOD MAP AREA X (AREA OF MINIMAL FLOODING) AS PER F.I.R.M. MAP #33017C0195D, COMMUNITY PANEL #195 OF 405, DATED MAY 17TH, 2005.

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CITY OF ROCHESTER NH DEPARTMENT OF BUILDING, ZONING, AND LICENSING SERVICES

31 WAKEFIELD STREET ROCHESTER, NH 03867

PERMIT INFORMATION

PROJECT INFORMATION:

ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

CURRENT ISSUE DATE:

10/10/19

ISSUED FOR:

FINAL

REV.:-DATE:----ISSUED FOR:----BY 0 02/18/19 CONSTRUCTION 1 03/01/19 REVISED 2 04/04/19 REVISED 3 07/22/19 REVISED 4 10/10/19 REVISED

CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.



PRC



SHEET TITLE:

COVER SHEET

SHEET NUMBER:=

018893000

=REVISION:

SITE WORK GENERAL NOTES

- THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR IS TO POT HOLE UTILITY LOCATES POST MARKING TO VERIFY
- 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 PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR/SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES.
- 3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
- IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHICH INTERERE 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 THE CONTRACTOR, OWNER AND/OR LOCAL UTILITIES,
- THE OWNER SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE (TO BE INSTALLED BY CONTRACTOR).
- THE SITE SHALL BE GRADED TO CAUSE CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND, FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMEN
- THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- 10. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE PROJECT SPECIFICATIONS.
- CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION FROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

CONTRACTOR SHALL NOT INSTALL EQUIPMENT THAT WILL IMPEDE DOOR OR ACCESS PANELS.

STRUCTURAL STEEL NOTES:

- ALL STEEL WORK SHALL BE PAINTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND IN ORDANCE WITH ASTM A36 UNLESS NOTED OTHER
- ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE 12.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION". PAINTED SURFACES SHALL BE TOUCHED UP.
- BOLTED CONNECTIONS SHALL BE ASTM A325 BEARING TYPE (3/4"Ø) CONNECTIONS AND SHALL HAVE
- NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8"Ø ASTM A307 BOLTS UNLESS
- INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR CONTRACTOR APPROVAL WHEN DRILLING HOLES IN CONCRETE. SPECIAL INSPECTIONS, REQUIRED BY GOVERNING CODES SHALL BE PERFORMED IN ORDER TO MAINTAIN MANUFACTURER'S MAXIMUM ALLOWABLE LOADS.

CONCRETE AND REINFORCING STEEL NOTES:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE. SLAB FOUNDATION DESIGN ASSUMING ALLOWABLE SOIL BEARING PRESSURE
- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS
- 4.1. CONCRETE CAST AGAINST EARTH 3 IN.
- 4.2. CONCRETE EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
- 4.2.1. #6 AND LARGER 4.2.2. #5 AND SMALLER & WWF 1 1/2 IN
- 4.3. CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND: 4.3.2. BEAMS AND COLUMNS 1 1/2 IN
- A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UND. IN ACCORDANCE WITH ACI 301 SECTION 4.2.4

MASONRY NOTES:

- HOLLOW CONCRETE MASONRY UNITS SHALL MEET A.S.T.M. SPECIFICATION C90, GRADE N. TYPE 1, THE SPECIFIED DESIGN COMPRESSIVE STRENGTH OF CONCRETE MASONRY (F'm) SHALL BE 1500 PSI
- MORTAR SHALL MEET THE PROPERTY SPECIFICATION OF A.S.T.M. C270 TYP. "S" MORTAR AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
- GROUT SHALL MEET A.S.T.M. SPECIFICATION C475 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI
- CONCRETE MASONRY SHALL BE LAID IN RUNNING (COMMON) BOND.
- 5. WALL SHALL RECEIVE TEMPORARY BRACING, TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL GROUT IS FULL CURED

GENERAL NOTES:

FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:

CONTRACTOR -GENERAL CONTRACTOR SUBCONTRACTOR -

SUBCONTRACTOR HIRED BY GENERAL CONTRACTOR. OWNER -

ORIGINAL EQUIPMENT MANUFACTURER

- PRIOR TO THE SUBMISSION OF BID, THE CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES, CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LOWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK, ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- DRAWINGS PROVIDED WERE DESIGNED AND SCALED TO 11x17 FORMA
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE OWNER
- CONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWINGS
- THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY
- 11. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
- 12. CONSTRUCTION SHALL COMPLY WITH ECO-SITE MASTER SPECIFICATIONS AND THESE DRAWINGS; WHERE A CONFLICT EXISTS IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE OWNER.
- NOTHING CONTAINED IN THESE DRAWINGS SHALL CREATE ANY CONTRACTUAL RELATIONSHIP BETWEEN ANY SUBCONTRACTOR(S) AND ECO-SITE.
- CONTRACTOR SHALL HOLD HARMLESS ECO-SITE AND ITS REPRESENTATIVES FROM ALL SUITS. ACTIONS, OR CLAIMS OF ANY KIND BROUGHT ABOUT AS A RESULT OF ANY INJURIES OR DAMAGES SUSTAINED BY PERSON(S) OR PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS FOR ANY AND ALL PERSONS, INCLUDING SUBCONTRACTORS, ON SITE AS REQUIRED BY CURRENT OSHA STANDARDS; INCLUDING BUT NOT LIMITED TO:
- PERSONAL PROTECTIVE & LIFE SAVING EQUIPMENT
- SIGNS, SIGNALS, AND BARRICADE TOOLS HAND AND POWER
- ELECTRICAL
- FALL PROTECTION EXCAVATIONS
- CONCRETE AND MASONRY CONSTRUCTION
- STEEL ERECTION
- POWER TRANSMISSION AND DISTRIBUTION J. CRANES AND DERRICKS IN CONSTRUCTION.

ABBREVIATIONS

ABOVE GRADE LEVEL BASE TRANSCEIVER STATION BTS EXISTING (E) MIN. NTS

NOT TO SCALE REF REFERENCE RADIO FREQUENCY TO BE DETERMINED TBD TBR TYP REQ. TO BE RESOLVED

TYPICAL REQUIRED EQUIPMENT GROUND RING EGR AWG AMERICAN WIRE GAUGE MGB EG BCW MASTER GROUND BUSS

EQUIPMENT GROUND BARE COPPER WIRE SMART INTEGRATED ACCESS DEVICE GENERATOR

INTERIOR GROUND RING (HALO) RBS U.N.O. RADIO BASE STATION UNLESS NOTED OTHERWISE

SYMBOLS

S/G SOLID GROUND BUSS BAR

S/N SOLID NEUTRAL BUSS BAR

SUPPLEMENTAL GROUND CONDUCTOR

2-POLE THERMAL-MAGNETIC CIRCUIT BREAKER

SINGLE-POLE THERMAL-MAGNETIC CIRCUIT BREAKER

CHEMICAL GROUND ROD __ DISCONNECT SWITCH

(

EXOTHERMIC WELD (CADWELD) (UNLESS

■ MECHANICAL WELD

3/4"Ø x 10'-0" COPPER CLAD STEEL GROUND ROD

3/4"Ø x 10"-0" COPPER CLAD STEEL GROUND ROD w/ INSPECTION SLEEVE •

-- G-- GROUNDING WIRE

PROJECT INFORMATION:

ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

144 MEADERBORO ROAD ROCHESTER, NH 03837 STRAFFORD COUNTY LATITUDE: 43.3109331 LONGITUDE: -71.0538751

CURRENT ISSUE DATE:

10/10/19

SSUED FOR:

FINAL

RFV.:=DATE:====ISSUED FOR:==

0 02/18/19 CONSTRUCTION 1 03/01/19 REVISED 2 04/04/19 REVISED MJS 3 07/22/19 REVISED M. 19 4 10/10/19 REVISED MJS

CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.

=CONSULTANT:=

DRAWN BY:=CHK.:====APV ·= DFR PRC PRC



GENERAL

SHEET TITLE

NOTES

GN1

SHEET NUMBER:

=REVISION:

ELECTRICAL INSTALLATION NOTES:

- 1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC
- 2. CONDUIT ROUTINGS ARE SCHEMATIC. SUBCONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO
- 3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF
- 4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE
- 5. CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.
- EACH END OF EVERY POWER, POWER PHASE CONDUCTOR (I.E. HOTS), GROUNDING AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH PLASTIC TAPE PER COLOR SCHEDULE. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, BRANCH CIRCUIT ID NUMBERS (I.E. PANEL
- 8. PANEL BOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
- 9. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP FDGES.
- POWER, CONTROL AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG OR LARGER), 600V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90° C (WET & DRY) OPERATION LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED
- 11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG OR LARGER), 600V, OIL RESISTANT THIN OR THWN-2 GREEN INSULATION CLASS B STRANDED COPPER CABLE RATED FOR 90° C (WET & DRY) OPERATION LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM UNLESS OTHERWISE SPECIFIED.
- 12. POWER, CONTROL AND EQUIPMENT GROUND WIRING NOT IN TUBING OR CONDUIT SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 AWG OR LARGER), 600V, OIL RESISTANT THIN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90° C (WET & DRY) OPERATION WITH OUTER JACKET LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED UNLESS OTHERWISE SPECIFIED
- 13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETT'S (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75° C (90° C IF AVAILABLE).
- 14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH
- 15. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E. RIGID PVC SCHEDULE 40 OR RIGID VC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR
- ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT) OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- 17. GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS
- 18. RIGID NONMETALLIC CONDUIT (I.E. RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND; DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
- 19. LIQUID-TITE FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
- 21. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA. UL. ANSVIEEE AND NEC.
- 22. WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER)

ELECTRICAL INSTALLATION NOTES CONTINUED:

- 23. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND RATED NEMA 1 (OR BETTER) INDOORS OR
- 24. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, FOROXY-COATED OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- 25. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- 26. THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS,
- 27. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND
- 28. INSTALL PLASTIC LABEL ON THE METER CENTER IDENTIFYING SPECIFIC CARRIER

KEY NOTES: (SEE GROUNDING PLAN DIAGRAM - SHEET E-2)

- TOWER GROUNDING: EXTEND #2 SOLID TINNED CU WIRE FROM BURIED GROUND RING TO TOWER AND MAKE EXOTHERMIC CONNECTION,
- 2. GROUND ROD; COPPER CLAD STEEL, 3/4"Ø X TEN (10) FEET LONG.
- ICE BRIDGE SUPPORT POST GROUNDING: EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING TO ALL ICE BRIDGE SUPPORT POST WITH CADWELD CONNECTION WELD,
- 4. FENCE GROUNDING: IF FENCE IS WITHIN 6' OF GROUNDING RING, EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING TO FENCE CORNER POSTS AND EXOTHERMICALLY WELDED. BOND INTERMEDIATE POST IF REQUIRED TO MAINTAIN 25' MAX. SPACING.
- TOWER GROUNDING BAR: EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING UP TO THE TOWER GROUND BAR AND MAKE A MECHANICAL CONNECTION. SECURE GROUND BAR DIRECTLY TO TOWER WITH ISOLATOR KIT USING STAINLESS STEEL MOUNTING MATERIAL.
- TI TENANT UTILITY FRAME: BOND METER, TELCO BOX AND FRAME POST TO COMPOUND GROUND RING I MECHANICAL CONNECTION AT CABINET AND EXOTHERMIC WELD AT GROUND RING.
- ANTENNA GROUND BAR: MOUNT GROUND BAR DIRECTLY TO THE TOWER AT TOP OF COAX RUNS. SECURE TO TOWER WITH ISOLATOR KIT USING STAINLESS STEEL MOUNTING MATERIAL.
- FENCE/GATE: BOND ALL FENCE POSTS AND GATES TO COMPOUND GROUND RING WITH EXOTHERMIC WELDS.
- EXTERIOR GFCI RECEPTACLE GROUNDING: EXTEND #2 TINNED CU WIRE FROM BURIED GROUND RING TO THE EXTERIOR GFCI RECEPTACLE AND MAKE A MECHANICAL CONNECTION.
- 10. SSC AND FCOA, SHALL BE MECHANICALLY LUGGED WITH EXOTHERMIC WELD TO THE GROUND RING (OR MECHANICALLY LUGGED TO A BUS BAR PLACED BETWEEN THEM ON THE PAD, WHICH IS THEN WELDED TO THE GROUND RING. UTILITY H-FRAME POSTS AND ICEBRIDGE SHALL BE WELDED.

GREENFIELD GROUNDING NOTES:

- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 11000 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEXT RESULT OF 5 OHMS OR LESS.
- THE SUBCONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
- METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- 5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR, STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #5 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS; 32 AWG SOLID TINNED COPPER FOR OUTDOOR BTS.
- ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 AWG SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
- 8. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING
- 9. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED
- 10. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE
- ALL GROUND CONNECTION ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
- 12. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
- 13. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR
- 14. APPROVED ANTIOXIDANT COATINGS (I.E. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS
- 15. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL
- 16. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- 17. BOND ALL METALLIC OBJECTS WITHIN 6 FT, OF MAIN GROUND WIRES WITH (1) #2 AWG TIN-PLATED COPPER
- 18. GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALL OR FLOORS, WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OF LOCAL CONDITIONS, NON-METALIC MATERIAL SUCH AS PVC PLASTIC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G. NOMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.



PROJECT INFORMATION:

ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

ROC -FSTFR, N- 0386 STRAFFORD COUNTY LATITUDE: LONGITUDE: -71.053875°

CURRENT ISSUE DATE:

10/10/19

SSUED FOR:

FINAL

EV.:	=DATE:====	ISSUED FOR:	—BY:
0	02/18/19	CONSTRUCTION	PRC
1	03/01/19	REVISED	PRC
2	04/04/19	REVISED	MJS
3	07/22/19	REVISED	MJS
4	10/10/19	REVISED	MJS

CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.

CONSULTANT:

1			
F	DRAWN BY:	СНК.:	APV.:
	DED	DDC	DDO

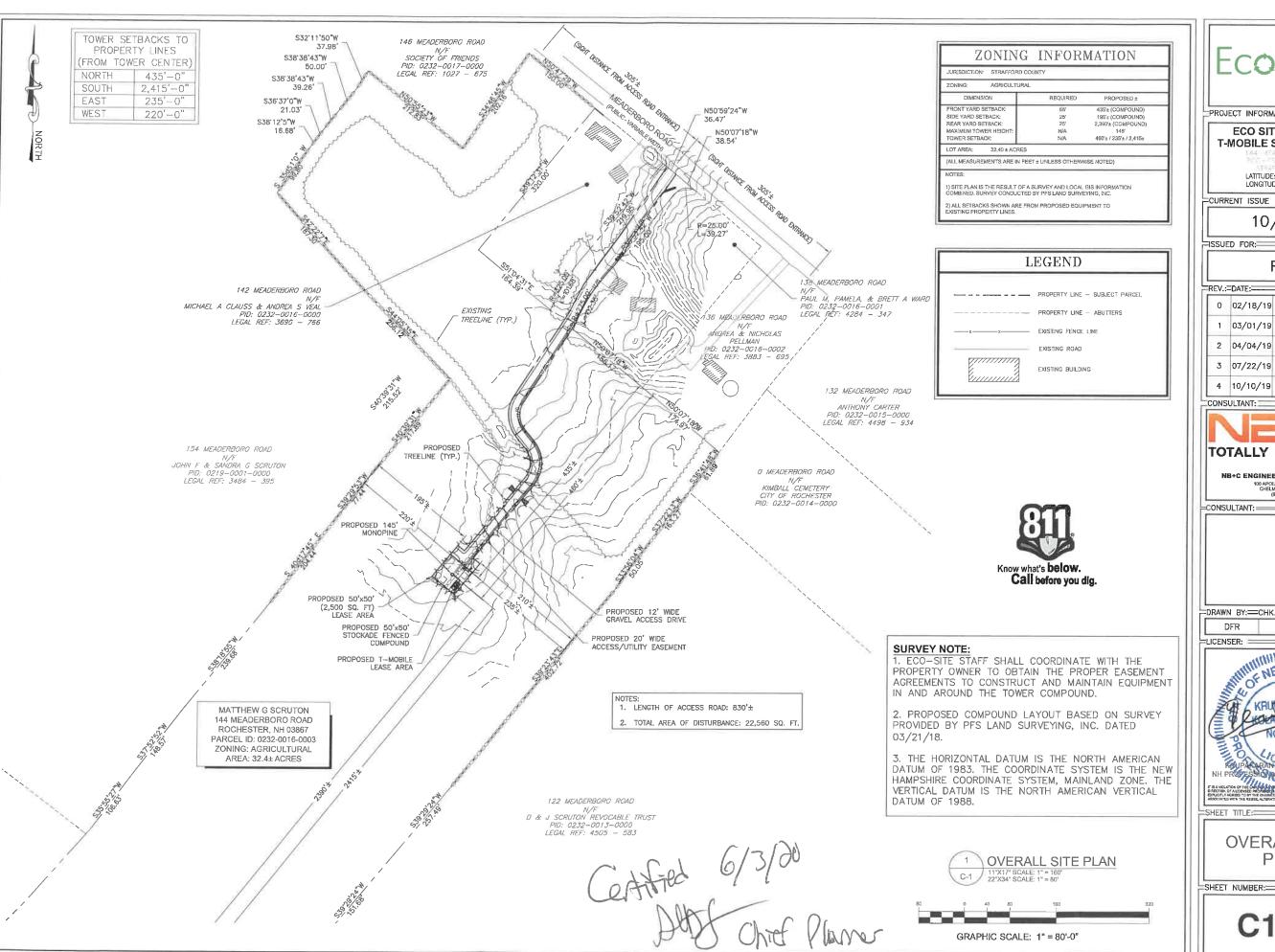
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SHEET TITLE:

GENERAL NOTES

SHEET NUMBER: REVISION:





ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

LATITUDE: 43.310633' LONGITUDE: -71.053875'

CURRENT ISSUE DATE:

10/10/19

FINAL

REV.:=DATE:-----ISSUED FOR: BY 0 02/18/19 CONSTRUCTION 1 03/01/19 REVISED 2 04/04/19 REVISED 3 07/22/19 REVISED

REVISED

CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.

=CONSULTANT:=

DRAWN BY: CHK.: APV.:

PRC

PRC

DFR

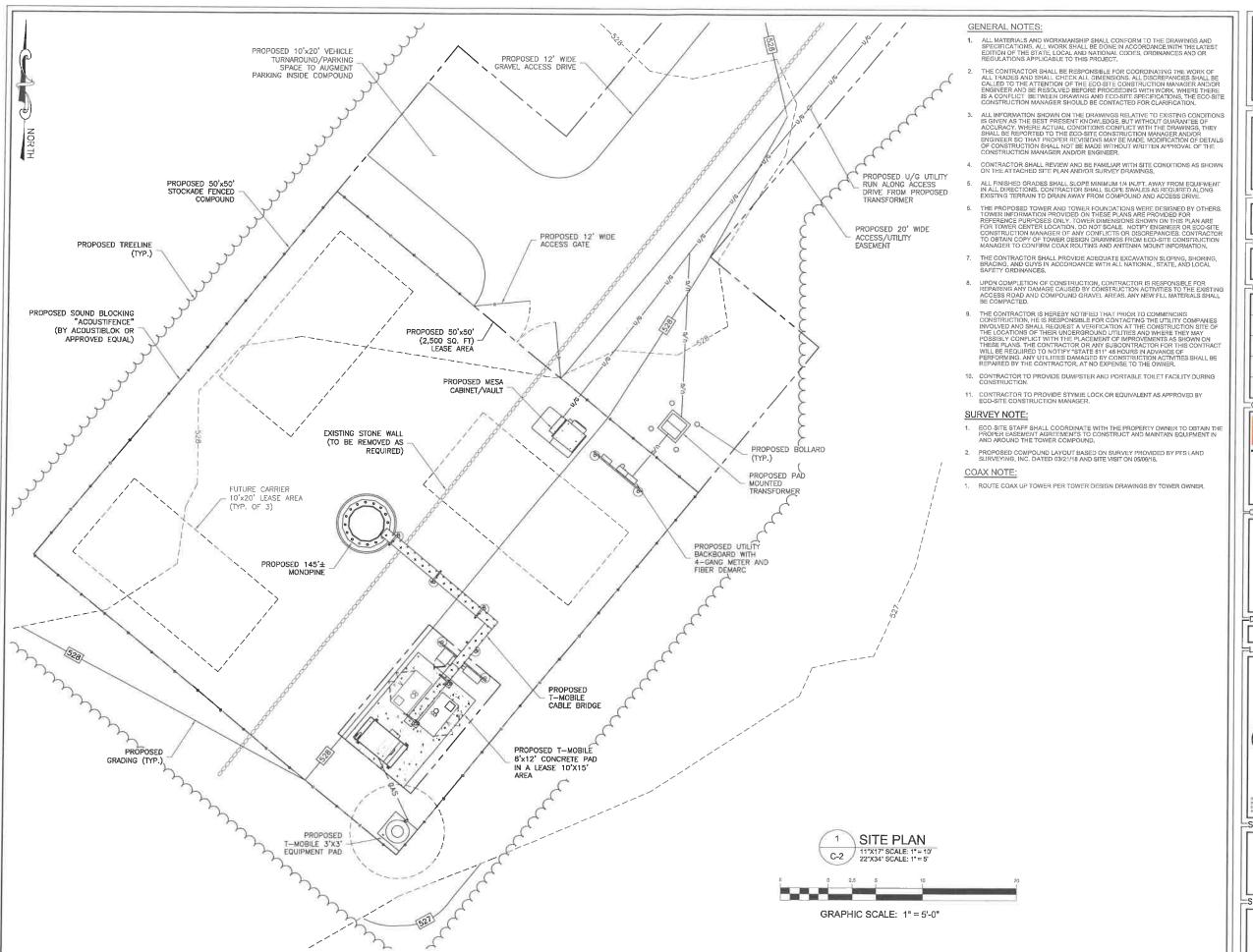


SHEET TITLE:

OVERALL SITE PLAN

SHEET NUMBER:

=REVISION:=





ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

LATITUDE: 43.316633' LONGITUDE: -71.053875'

CURRENT ISSUE DATE

10/10/19

ISSUED FOR:

FINAL

ERFV · EDATE · E SSUED FOR: 0 |02/18/19 | CONSTRUCTION 1 03/01/19 REVISED 2 04/04/19 REVISED 3 07/22/19 REVISED MJS

CONSULTANT:

4 10/10/19



NB+C ENGINEERING SERVICES, LLC.

REVISED

=CONSULTANT:=

-DRAWN BY:-CHK.:-APV.:=

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MINIMINIAN HAMOSHILL NH PROFESSIONAL ENGINEER LIC. #13868

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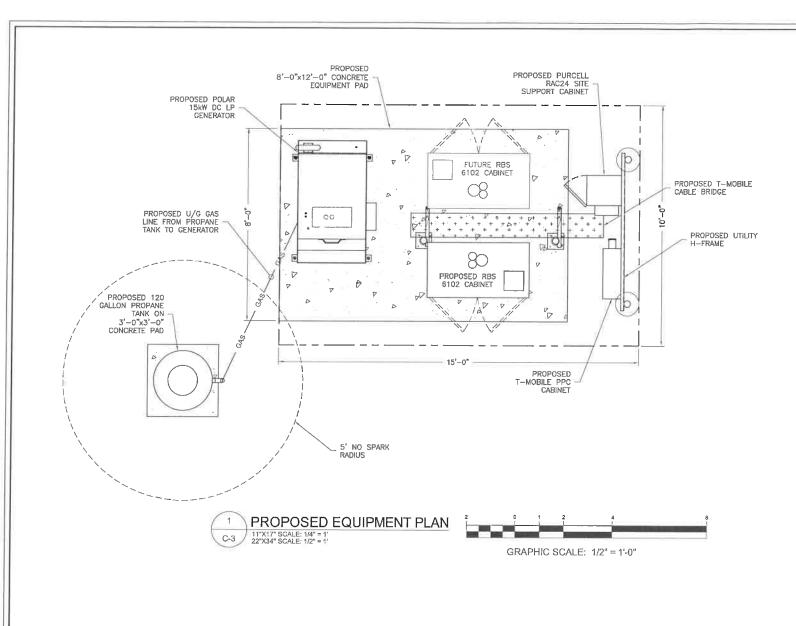
PRC

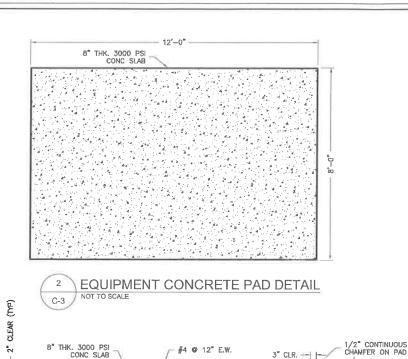
SHEET TITLE:

SITE **PLAN**

SHEET NUMBER:

REVISION:

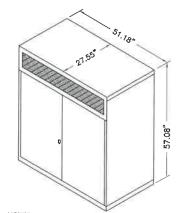




EQUIPMENT CONCRETE PAD DETAIL C-3

BBBBBBBBBBBBBBBB

6" CLEAN STONE

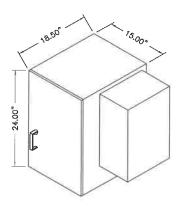


NOTES:

1. WEIGHT OF BTS UNIT IS 727.52 LBS (330 KG)
(WEIGHT IS WITHOUT BATTERIES).

2. BASE FRAME NOT SHOWN





NOTES:

1. WEIGHT OF CABINET IS 67 LBS. (15.8 KG)
(WEIGHT IS EMPTY CABINET WITH SIDE MOUNTED THERMOELECTRIC COOLING OPTION).

RAC24 SITE SUPPORT CABINET



PROJECT INFORMATION:

ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

LATITUDE: 43.310033' LONGITUDE: -71.053875'

CURRENT ISSUE DATE:

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REV.:=DATE:====BY: 0 02/18/19 CONSTRUCTION 1 03/01/19 REVISED 2 04/04/19 REVISED 3 07/22/19 REVISED

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CONSULTANT:

4 10/10/19



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CONSULTANT:

DRAWN BY: CHK . APV .

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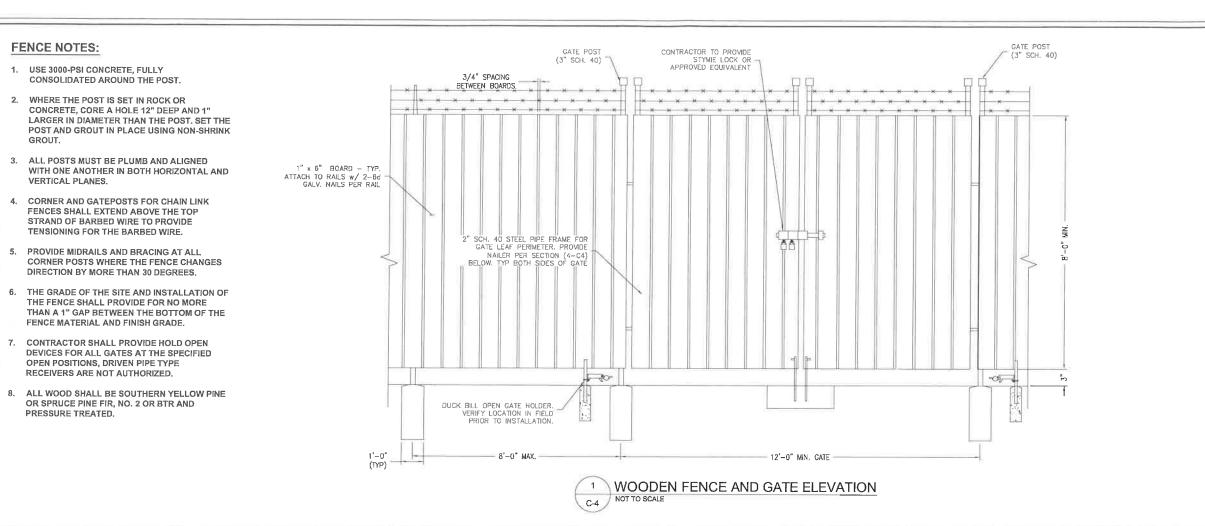
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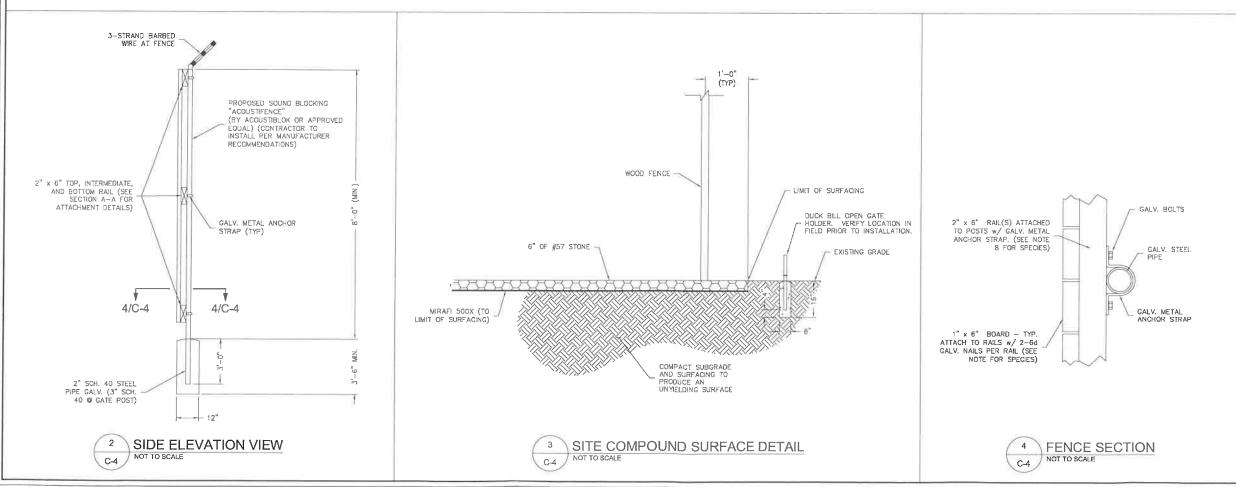


SHEET TITLE:

CARRIER EQUIPMENT DETAILS

SHEET NUMBER: REVISION:







ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

ROC -FSTFR, N= 03867 STRAFF0RD COUNTY LATITUDE: 43.310933' LONGITUDE: -71.053875'

CURRENT ISSUE DATE:

10/10/19

ISSUED FOR:

FINAL

REV.:=DATE:====ISSUED FOR:====BY: 0 02/18/19 CONSTRUCTION 1 03/01/19 REVISED 2 04/04/19 REVISED 3 07/22/19 REVISED 4 10/10/19 REVISED

CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.

CONSULTANT:

DRAWN BY:=CHK.:=APV.:= DFR PRC PRC



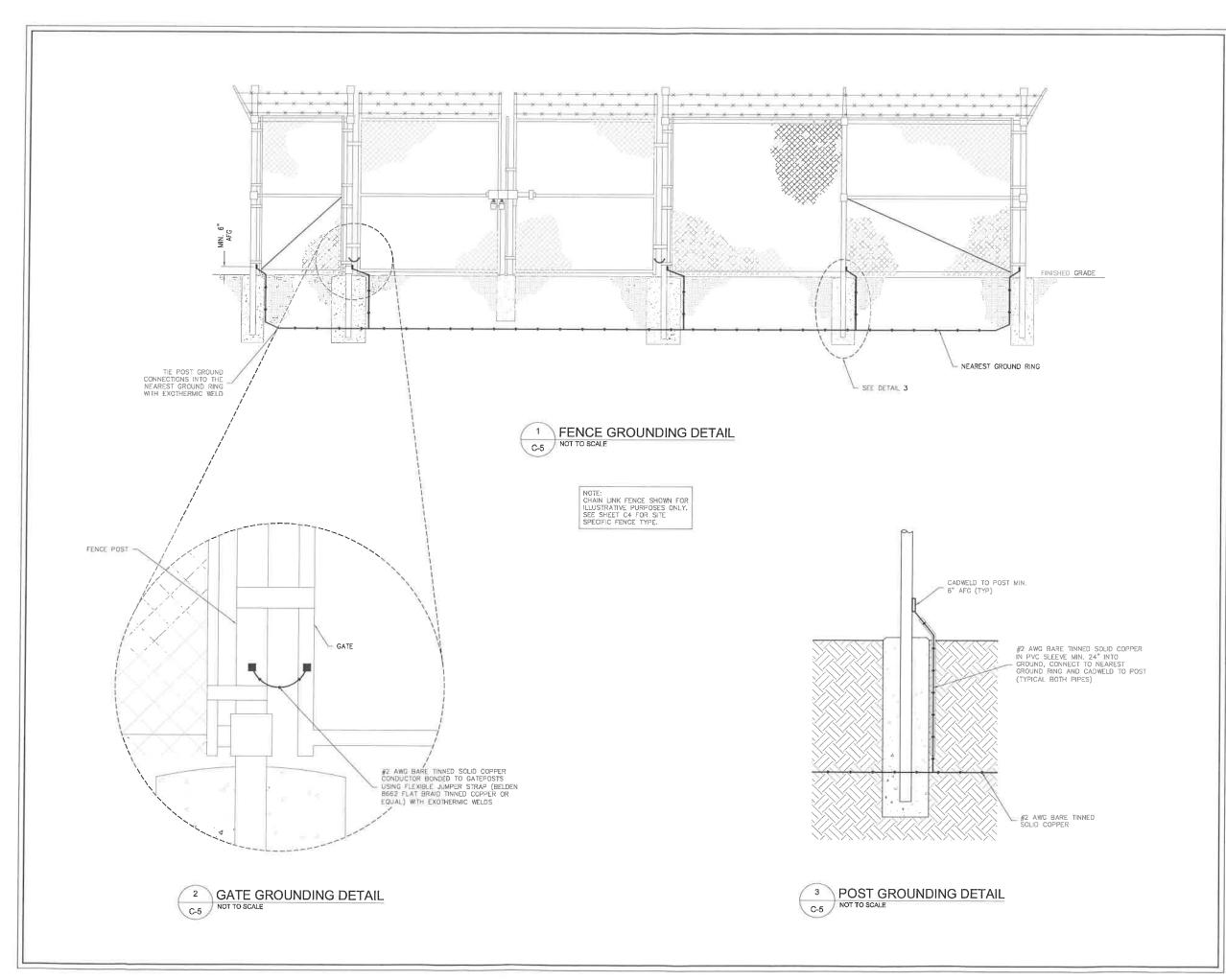
SHEET TITLE:

FENCE GATE AND COMPOUND **DETAILS**

SHEET NUMBER:

018893000

=REVISION:=





ECO SITE ID# NH-0002

T-MOBILE SITE #: 4NB0203A 144 MFADFRBORG ROAD ROCHESTER, NH 03887 STRAFFORD COUNTY LATITUDE: 43.310833' LONGITUDE: -71.053875'

CURRENT ISSUE DATE:

10/10/19

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CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.

CONSULTANT:=

DRAWN BY: CHK .: APV .: PRC PRC

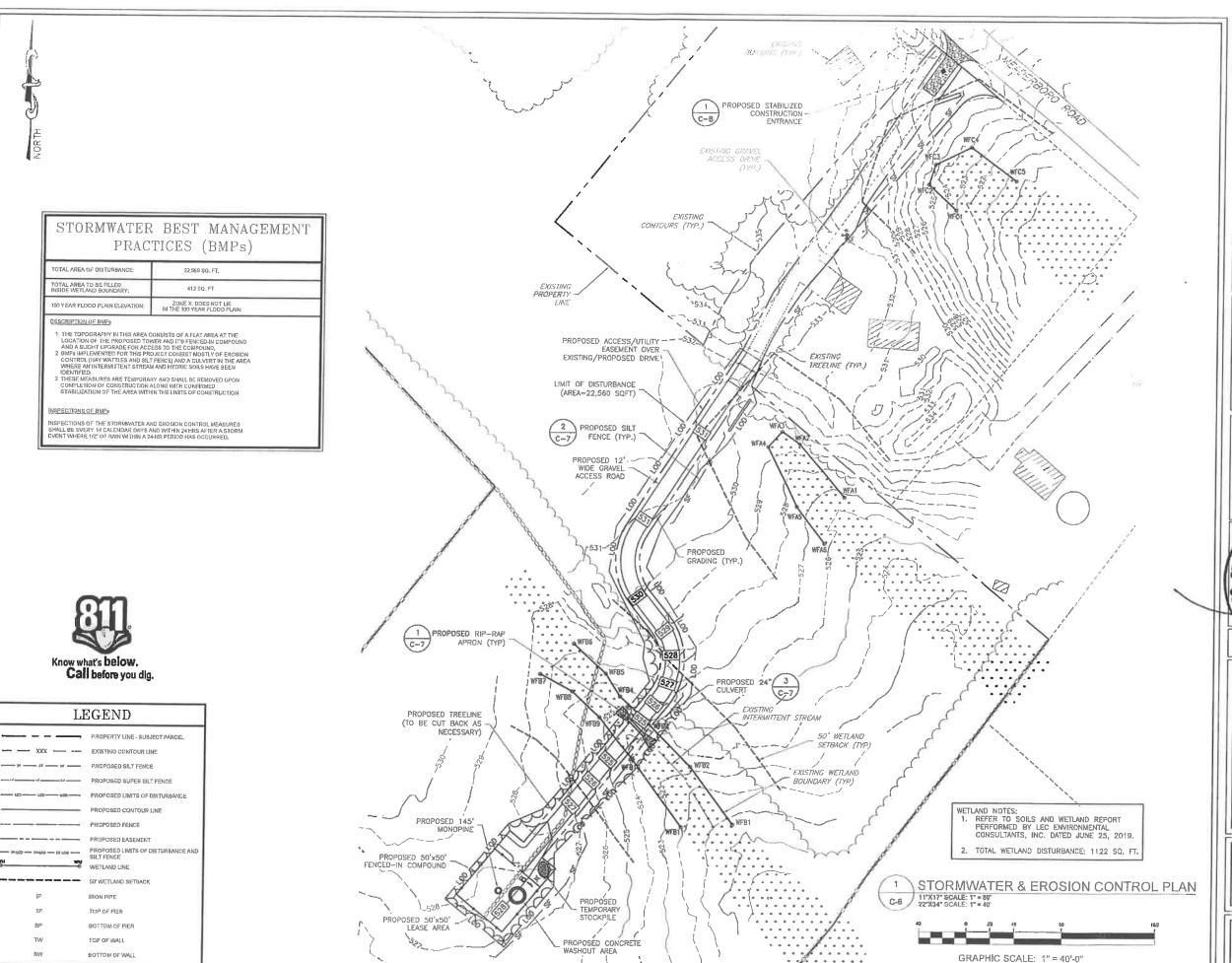
LICENSER:

WHITE NEW HANDS

SHEET TITLE:

FENCE GROUNDING DETAILS

SHEET NUMBER: REVISION:





ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

LATITUDE: L'ENGITUDE:

-CURRENT ISSUE DATE:-

10/10/19

ISSUED FOR:

FINAL

REV.: DATE: ISSUED FOR:

0 02/18/19 CONSTRUCTION 03/01/19 2 04/04/19 REVISED 3 07/22/19 REVISED 4 10/10/19 REVISED

CONSULTANT:

TOTALLY COMMITTED.

NB+C ENGINEERING SERVICES, LLC.



SHEET TITLE:

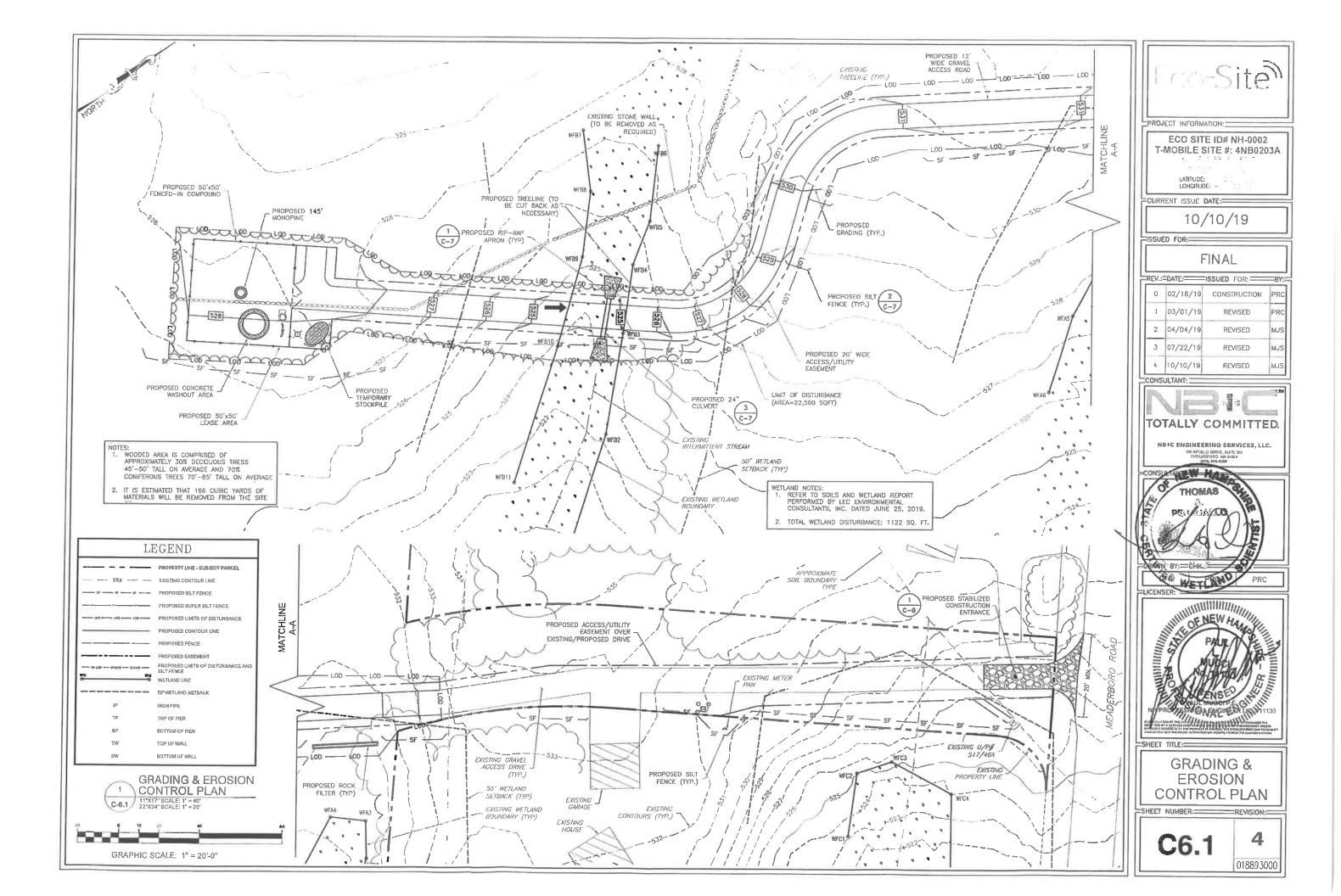
STORMWATER MANAGEMENT & EROSION CONTROL PLAN

SHEET NUMBER:

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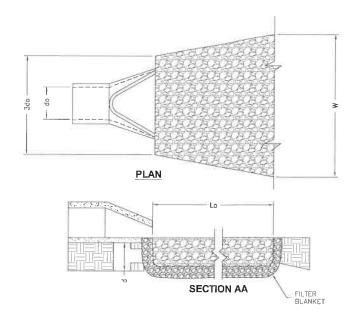
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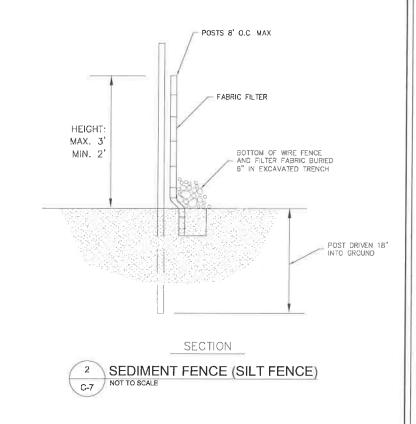
EROSION CONTROL NOTES:

- EROSION CONTROLS SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND SHALL BE ADEQUATE TO MAINTAIN
- ALL EXCAVATED SOILS NOT NEEDED ON SITE FOR BACKFILL OPERATIONS SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE TAKEN OFF SITE AND LEGALLY DISPOSED OF.
- SOIL REMAINING ON SITE SHALL HAVE SILT FENCE TIGHTLY PLACED AROUND THE ENTIRE CIRCUMFERENCE OF THE PILE.
- PROVIDE EROSION CONTROLS AS NECESSARY TO PREVENT EXISTING SOILS FROM DRAINING OFF SITE OR INTO EXISTING DRAINAGE STRUCTURES
- ERECTION OF EROSION CONTROLS SHALL BE IN ACCORDANCE WITH STATE AND LOCAL EROSION CONTROL REGULATIONS

- 1. La IS THE LENGTH OF THE RIPRAP APRON.
- 2. d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
- 3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
- A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.







CONSTRUCTION SEQUENCE

AT LEAST 7 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE O/RP SHALL INVITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE LANDOWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENT CONTROL PLAN PREPARER, AND THE CONSERVATION DISTRICT TO AN ON-SITE MEETING. ALSO, AT LEAST 3 WORKING DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL NOTIFY THE NEW HAMSHIRE ONE CALL SYSTEM INCORPORATED

EROSION AND SEDIMENT BMPS MUST BE CONSTRUCTED STABILIZED AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE

- 2. INSTALL SILT FENCE AROUND COMPOUND AREA,
- 3. COMMENCE CLEARING AND GRUBBING, SOIL STOCKPILE AREA AND ROUGH GRADE SITE.
- 4. EXCAVATE AND POUR TOWER FOUNDATION, BACKFILL AND COMPACT FOUNDATION AREA.
- 5. CONSTRUCT AND MAINTAIN TEMPORARY COVER TO STABILIZE DISTURBED
- 6. INSTALL UTILITIES.
- 7. COLLECT SILT AND SEDIMENT AND PLACE BACK ON SITE
- 8. ESTABLISH PERMANENT COVER
- 9. REMOVE EROSION AND CONTROL MEASURES

IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE O/RP SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES, DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE AT FINISHED GRADE OR WHICH WILL NOT BE REDISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION

AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.

AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE BMPS MUST BE STABILIZED IMMEDIATELY.

SEEDING SCHEDULE FOR WINTER / SPRING CONSTRUCTION ACTIVITIES

SEEDING MIXTURE SPECIES RATE (LB/ACRE) RYE (GRAIN) ANNUAL LESPEDEZA (KOBE IN PIEDMONT AND COASTAL PLAIN, KOREAN IN MOUNTAINS)

OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE.

SEEDING DATES MOUNTAINS - ABOVE 2500 FT: FEB 15 - MAY 15 BELOW 2500 FT.: FEB. 1 - MAY 1 JAN. 1 - MAY 1 DEC. 1 - APR. 15 COASTAL PLAIN -

SOIL AMENDMENTS
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER

MULCH APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH

SEEDING SCHEDULE FOR SUMMER CONSTRUCTION ACTIVITIES

SPECIES RATE (LB/ACRE)
COMMON BERMUDAGRASS 40-80 (1-2 LB/1,000 SQ, FT.)

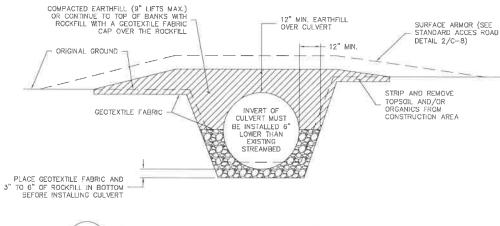
APR. 1 - JULY APR. 15 - JUNE 30

SOIL AMENDMENTS
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 500 LB/ACRE 10-10-10 FERTILIZER.

PIEDMONT -

MULCH USE JUTE, EXCELSIOR MATTING, OR OTHER EFFECTIVE CHANNEL LINING MATERIAL TO COVER THE BOTTOM OF CHANNELS AND DITCHES. THE LINING SHOULD EXTEND ABOVE THE HIGHEST CALCULATED DEPTH OF FLOW. ON CHANNEL SIDE SLOPES ABOVE THIS HEIGHT, AND IN DRAINAGES NOT REQUIRING TEMPORARY LINING, APPLY 4,000 LB/ACRE GRAIN STRAW AND ANCHOR STRAW BY STAPLING NETTING OVER THE TOP.

MAINTENANCE A MINIMUM OF 3 WEEKS IS REQUIRED FOR ESTABLISHMENT. INSPECT AND REPAIR MULCH FREQUENTLY. REFERTILIZE THE FOLLOWING APR, WITH 50 LB/ACRE NITROGEN



SINGLE CULVERT CROSSING SECTION DETAIL



PROJECT INFORMATION:

ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

LATITUDE: 43.310633° LONGITUDE: -71.053875°

CURRENT ISSUE DATE:

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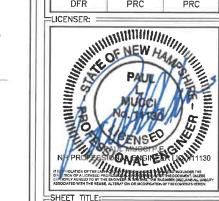
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CONSULTANT:

CONSULTANT:



DRAWN BY: CHK .: APV .: = DFR PRC PRC



GRADING & EROSION

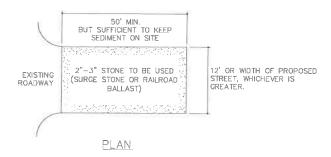
CONTROL DETAILS

SHEET NUMBER:

4

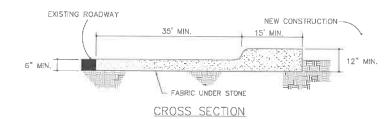
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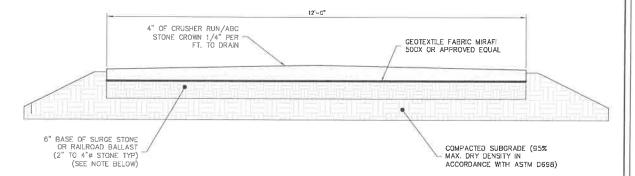


PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION

- 1. PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.
 2. IF CONSTRUCTION ON THE SITES ARE SUCH THAT THE MUD IS NOT REMOVED BY THE VEHICLE TRAVELING OVER THE STONE, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING THE PUBLIC ROAD.
 3. IF A PROJECT CONTINUES TO PULL MUD AND DEBRIS ON TO THE PUBLIC ROAD, THE GOVERNING AUTHORITY WILL CLEAN THE AREA AND INVOICE THE FINANCIALLY RESPONSIBLE PERSON AS INDICATED ON THE FINANCIAL RESPONSIBILITY FORM.



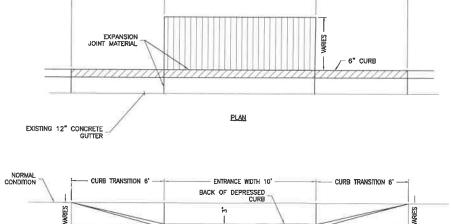




NOTE:

IF DETERMINED NECESSARY DURING GRADING AND CONSTRUCTION OF THE ACCESS ROAD BY THE ECO-SITE PROJECT MANAGER, THE CONTRACTOR SHALL INSTALL 6' BASE OF SURGE STONE OR RAILROAD BALLAST (2" TO 4 % STONE TYP.)

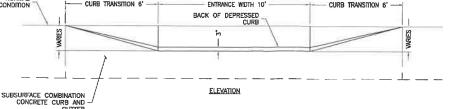




ENTRANCE WIDTH 12'

CURB TRANSITION 6'

CURB TRANSMON 6'



STANDARD CURB & SIDEWALK CUT DETAIL NOT TO SCALE C-8



PROJECT INFORMATION:

ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

LATITUDE: 43.310333' LONGITUDE: -71.053875'

-CURRENT ISSUE DATE:-

10/10/19

SSUED FOR:

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REV.:=DATE:====ISSUED FOR:=== 0 02/18/19 CONSTRUCTION 1 03/01/19 REVISED 2 04/04/19 REVISED MJS 3 07/22/19 REVISED MJS 4 10/10/19 REVISED MJS

CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.

=CONSULTANT:=

DRAWN BY: CHK.: APV.:

PRC

PRC

DFR



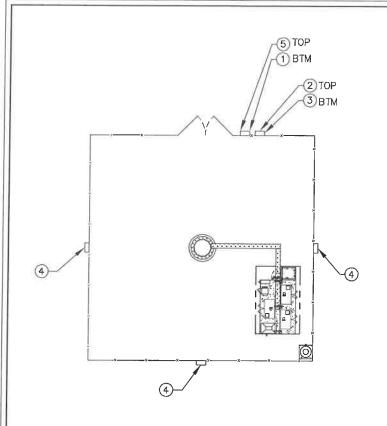
SHEET TITLE:

ACCESS ROAD DETAILS

SHEET NUMBER:

4

RFVISION:



NOTE: SEE TYPICAL SIGNS AND SPECIFICATIONS DETAIL ON THIS SHEET FOR SIGN DESIGNATIONS.

OVERALL SIGN PLACEMENT PLAN VIEW NOT TO SCALE



THICK ALUMINUM

(OPERATIONS PROVIDED)







① NOTICE - RF SIGN (BLUE) ② WARNING - RF SIGN 3 CAUTION - RF SIGN (YELLOW) 4 NO-TRESSPASSING SIGN 12" x 18" DIGITAL PRINT MOUNTED TO 0.40

12" x 18" DIGITAL PRINT MOUNTED TO 0.40 THICK ALUMINUM (OPERATIONS PROVIDED)

12" x 18" DIGITAL PRINT MOUNTED TO 0.40 THICK ALUMINUM (OPERATIONS PROVIDED)

12" x 18" DIGITAL PRINT MOUNTED TO 0.40 THICK ALUMINUM (OPERATIONS PROVIDED)

Eco-Site TOWER ID: SITE NAME: E911 ADDRESS: FCC#: FOR TOWER LEASING INFORMATION & **EMERGENCY CONTACT** 1-866-899-6191

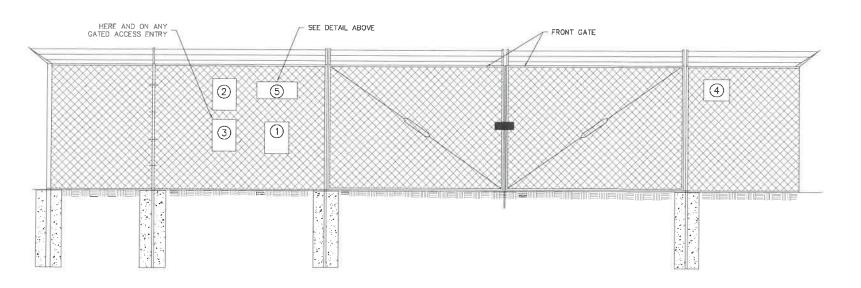
⑤ ECO-SITE ID SIGN

18" HIGH X 24" WIDE (OPERATIONS PROVIDED)

NOTE:

SIGN REQUIREMENTS SHOWN ARE MINIMUM REQUIREMENTS SET BY ECO-SITE. CONFIRM ADDITIONAL SIGNAGE REQUIREMENTS WITH LOCAL BUILDING AUTHORITY.

TYPICAL SIGNS AND SPECIFICATIONS



- 1. SIGNS SHALL BE FABRICATED FROM CORROSION RESISTANT PRESSED METAL, AND PAINTED WITH
- LONG LASTING UV RESISTANT COATINGS.
 2. SIGNS (EXCEPT WHERE NOTED OTHERWISE) SHALL BE MOUNTED TO THE TOWER, GATE, AND FENCE USING A MINIMUM OF 9 GAUGE ALUMINUM WIRE, HOG RINGS (AS UTILIZED IN FENCE INSTALLATIONS) OR BRACKETS WHERE NECESSARY, BRACKETS SHALL BE OF SIMILAR METAL AS THE STRUCTURE TO AVOID GALVANIC CORROSION.



PROJECT INFORMATION:

ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

144 MFADERBORG ROAD ROCHESTER, NH 03887 STRAFFORD COUNTY LATITUDE: 43.310633' LONGITUDE: -71.053875'

CURRENT ISSUE DATE:

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CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.

CONSULTANT:

DRAWN BY: CHK .: APV .: =

DFR PRC PRC

LICENSER:



SHEET TITLE:

SITE SIGNAGE **DETAILS**

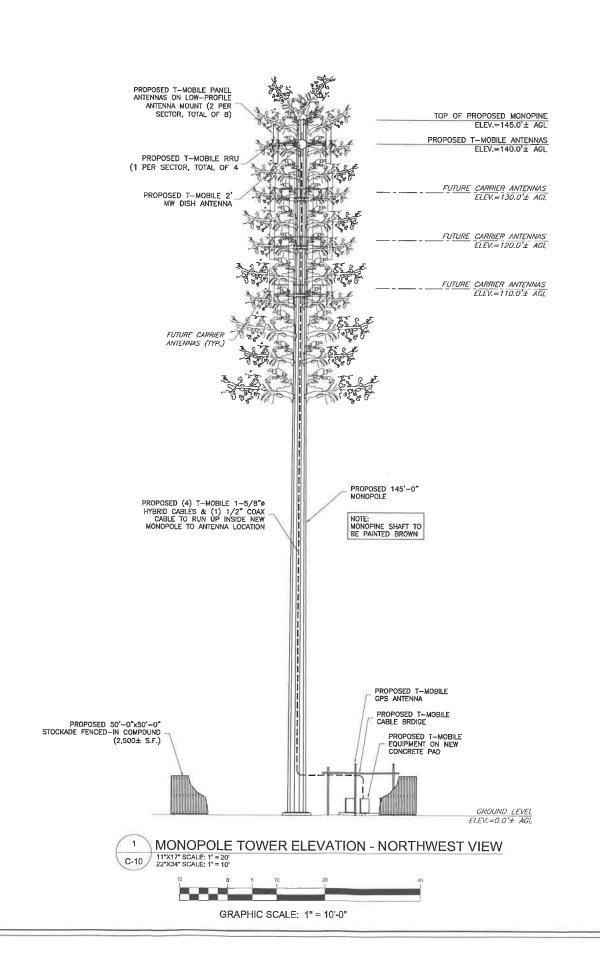
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SITE SIGNAGE FRONT GATE VIEW





ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

LATITUDE: 43.310333' LONGITUDE: -71.053875'

CURRENT ISSUE DATE:

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CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.

CONSULTANT:=

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ANTENNA AND TOWER ELEVATION **DETAILS**

SHEET NUMBER:

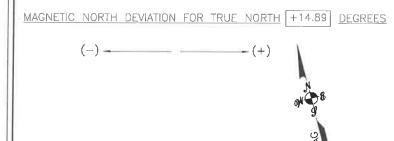
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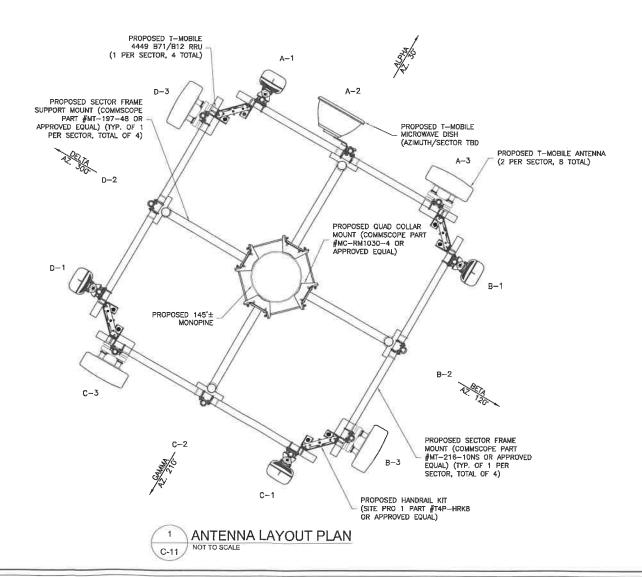
					ANTENNA	INFORMA	ΓΙΟΝ				
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA DIMENSIONS (HxWxD)	MECHANICAL DOWN TILT	ELECTRICAL DOWN TILT	RAD CENTER	AZIMUTH	TMA/RRU QUANTITY & MODEL	CABLE QUANTITY & TYPE	CABLE LENGTH
A1	PROPOSED	ERICSSON	AIR 32 DB	56.6"x12.9"x8.7"	0. \ 0.	2./2./2./2.	140'	30'	-	(1) 6X12 HYBRID CABLE	180'±
A2	PROPOSED	RFS	SC2-W100AC	26.4*ø	-	-	140°	TBD		(1) 1/2" COAX CABLE	180'±
A3	PROPOSED	RFS	APXVAARR24_43-U-NA20	95.9"x24.0"x8.5"	0.	4./4.	140'	30.	(1) ERICSSON 4449 B71/B12	SHARED WITH A-1	-
B1	PROPOSED	ERICSSON	AIR 32 DB	56.6"x12.9"x8.7"	0, \ 0.	2./2./2./2.	140'	120'		(1) 6X12 HYBRID CABLE	180'±
B2	FUTURE	_		***	***		vety	-	***	77	
B3	PROPOSED	RFS	APXVAARR24_43-U-NA20	95.9"x24.0"x8.5"	0.	4./4.	140'	120'	(1) ERICSSON 4449 B71/B12	SHARED WITH B-1	-
C1	PROPOSED	ERICSSON	AIR 32 DB	56.6"x12.9"x8.7"	0. \ 0.	2/2/2/2	140'	210	- 1	(1) 6X12 HYBRID CABLE	180'±
62	FUTURE	***	-	=	***	(m)	140'		_		-
C3	PROPOSED	RFS	APXVAARR24_43-U-NA20	95.9"x24.0"x8.5"	0'	4'/4'	140'	210'	(1) ERICSSON 4449 B71/B12	SHARED WITH C-1	-
D1	PROPOSED	ERICSSON	AIR 32 DB	56.6"x12.9"x8.7"	0. \ 0.	2./2./2./2.	140'	300,	_	(1) 6X12 HYBRID CABLE	180'±
D2	FUTURE	dire	= = =		_	***	-	-		-	-
D3	PROPOSED	RFS	APXVAARR24_43-U-NA20	95.9"x24.0"x8.5"	0.	4'/4'	140'	300	(1) ERICSSON 4449 B71/B12	SHARED WITH D-1	-

NOTES:

1. CONTRACTOR TO VERIFY PROPOSED ANTENNA INFORMATION IS THE MOST CURRENT DATA AT TIME OF CONSTRUCTION.

2. CONTRACTOR TO CONFIRM CABLE LENGTHS PRIOR TO CONSTRUCTION.







PROJECT INFORMATION:

ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

STRAFFORD COUNTY

LATITUDE: 43.310633'
LONGITUDE: -71.053875'

CURRENT ISSUE DATE:

10/10/19

ISSUED FOR:

FINAL

REV.:=DATE:===ISSUED FOR:= 0 02/18/19 CONSTRUCTION REVISED 1 03/01/19

2 04/04/19 REVISED 3 07/22/19 REVISED 4 10/10/19 REVISED

CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.

CONSULTANT:

DRAWN BY: CHK .: APV .: = PRC

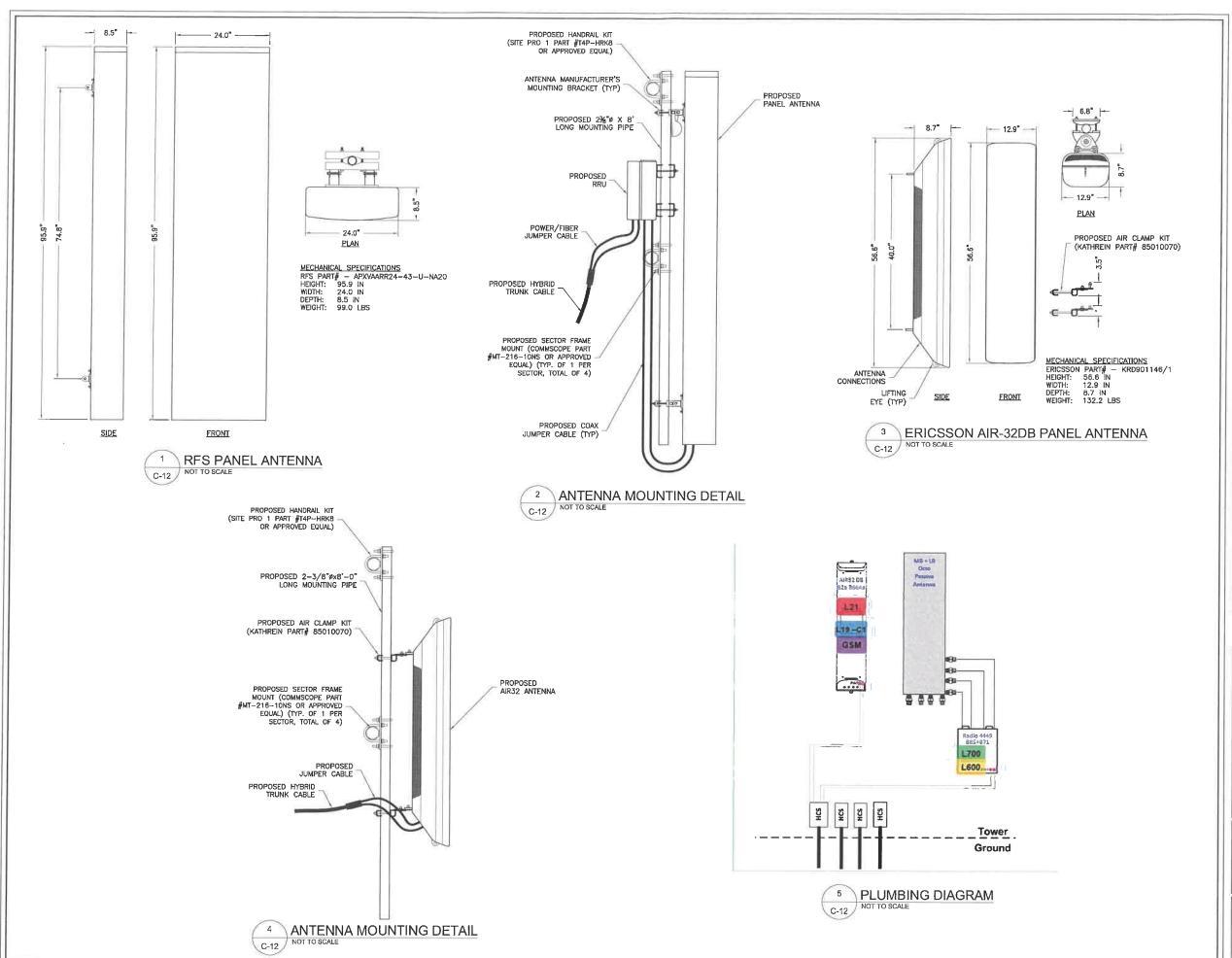
LICENSER:

SHEET TITLE:

ANTENNA PLAN & SCHEDULE

SHEET NUMBER: REVISION:







ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

ROC = FST=R, N= 03867 STRAFFORD COUNTY LATITUDE: 43.310833' LONGITUDE: -71.053875'

CURRENT ISSUE DATE:

10/10/19

ISSUED FOR:

FINAL

REV.:=DATE: ISSUED FOR: BY

0 02/18/19 CONSTRUCTION PRO
1 03/01/19 REVISED PRO
2 04/04/19 REVISED MJS

3 07/22/19 REVISED MJS 4 10/10/19 REVISED MJS

CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.
130 APOLLO DRIVE, SUITE 303

CHELMSFORD, MA 01824 (976) 856-8308

CONSULTANT:

DRAWN BY:=CHK.:=APV.:

DFR PRC

LICENSER:

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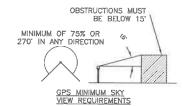
SHEET TITLE:

ANTENNA DETAILS & SPECIFICATIONS

SHEET NUMBER: REVISION:

C12





NOTES:

1. THE ELEVATION AND LOCATION OF THE GPS ANTENNA SHALL BE IN ACCORDANCE WITH THE FINAL RF REPORT.

2.THE GPS ANTENNA MOUNT IS DESIGNED TO FASTEN TO A STANDARD 1-1/4" DIAMETER, SCHEDULE 40, GALVANIZED STEEL OR STAINLESS STEEL PIPE. THE PIPE MUST NOT BE GROUND BAR THREADED AT THE ANTENNA MOUNT END. THE PIPE SHALL BE CUT TO THE REQUIRED LENGTH (MINIMUM OF 18 INCHES) USING A HAND OR ROTARY PIPE CUTTER TO ASSURE A SMOOTH AND PERPENDICULAR CUT. A HACK SAW SHALL NOT BE USED. THE CUT PIPE END SHALL BE DEBURRED AND SMOOTH IN ORDER TO SEAL AGAINST THE NEOPPENE GASKET ATTACHED TO THE ANTENNA MOUNT.

NOT TO SCALE

3.IT IS CRITICAL THAT THE GPS ANTENNA IS MOUNTED SUCH THAT IT IS WITHIN 2 DEGREES OF VERTICAL AND THE BASE OF THE ANTENNA IS WITHIN 2 DEGREES OF LEVEL.

4.DO NOT SWEEP TEST GPS ANTENNA.



PROPOSED GPS

PROPOSED 1-1/4"ø

PROPOSED GROUNDING KIT

MANUFACTURER'S STANDARD #6 AWG GROUNDING KIT CABLE (PROVIDED WITH KIT)

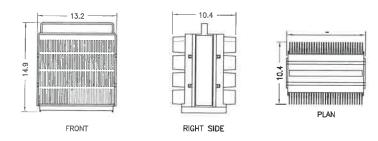
PROPOSED 1/2"ø COAX CABLE 8" MINIMUM BENDING RADIUS PER

SCH. 40 STAINLESS STEEL OR GALV. PIPE

3 1/2" DIA. ICE

1 1/4" PIPE TO

BRIDGE SUPPORT PIPE



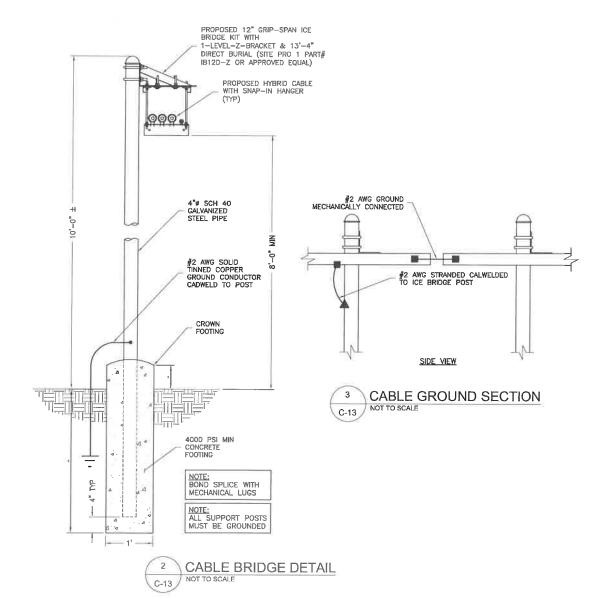
SIZE AND WEIGHT TABLE

RRU	WIDTH	DEPTH	HEIGHT	WEIGHT W/O BRACKET
RADIO 4449 B71/B12	13.2"	10.4*	14.9"	74.0 LBS.

NOTES:

 DO NOT PAINT THE RRU. RRU SOLAR SHIELD CAN BE PAINTED PER MANUFACTURER'S METHOD OF PROCEDURE.







PROJECT INFORMATION:

ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

LATITUDE: 43.310633° LONGITUDE: -71.053875°

CURRENT ISSUE DATE:

10/10/19

LISSUED FOR:

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F	REV.:	=DATE:	ISSUED FOR:	BY:
	0	02/18/19	CONSTRUCTION	PRC
1	1	03/01/19	REVISED	PRC
	2	04/04/19	REVISED	MJS
	3	07/22/19	REVISED	MJS
1	4	10/10/19	REVISED	MJS

CONSULTANT:



NB+C ENGINEERING SERVICES, LLC. 100 APOLLO DRIVE, SUITE 303

=CONSULTANT:=

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DFR PRC PRC

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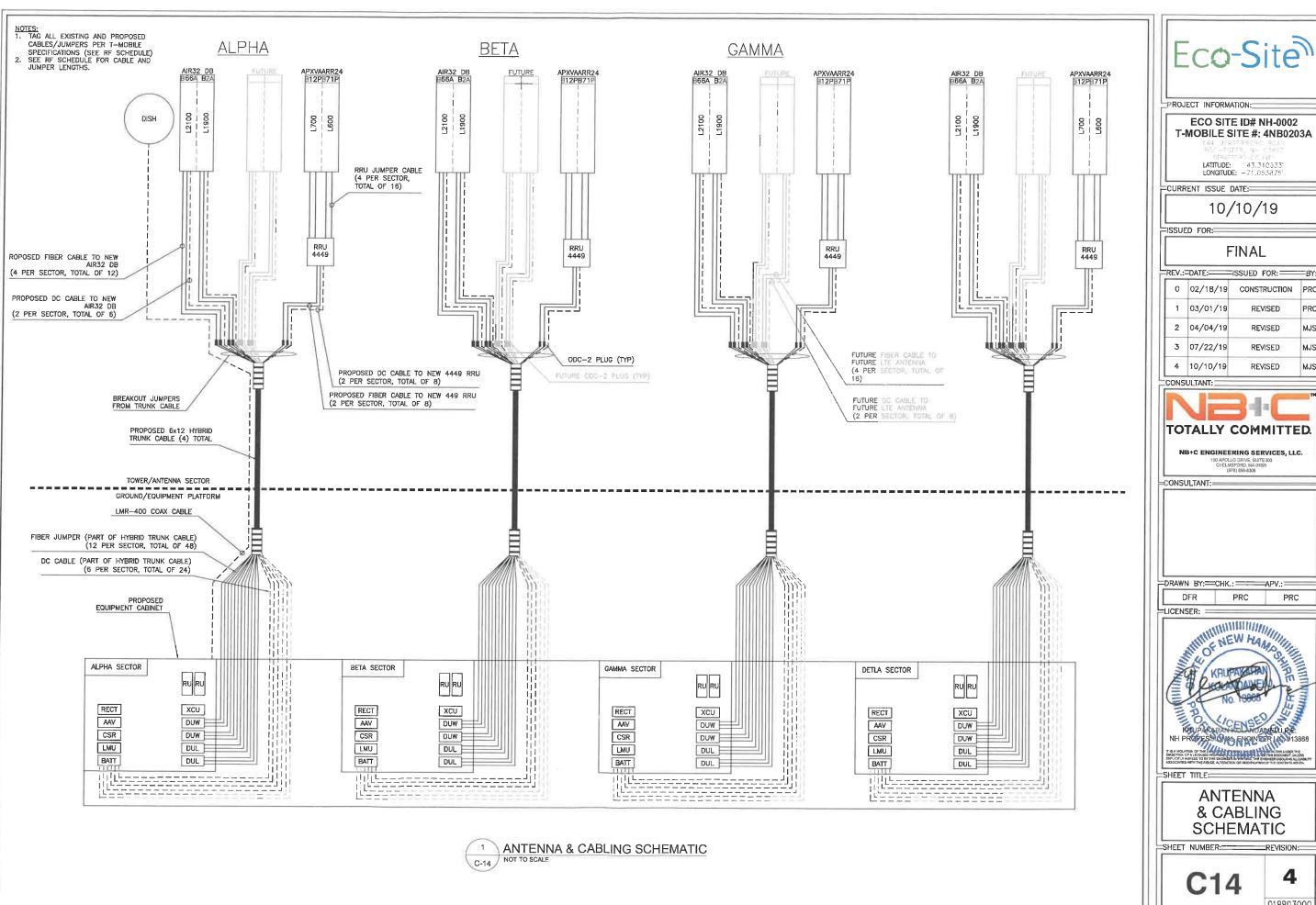
SHEET TITLE

ANTENNA PLAN DETAILS

SHEET NUMBER:

4

=:REVISION:=





ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

LATITUDE: 43.310533° LONGITUDE: -71.053875°

CURRENT ISSUE DATE:

10/10/19

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0 02/18/19 CONSTRUCTION 1 03/01/19 REVISED 2 04/04/19 REVISED

3 07/22/19 REVISED 4 10/10/19 REVISED MJS

CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.

=CONSULTANT:=

DRAWN BY: CHK .: APV .: = PRC PRC

DFR



SHEET TITLE:

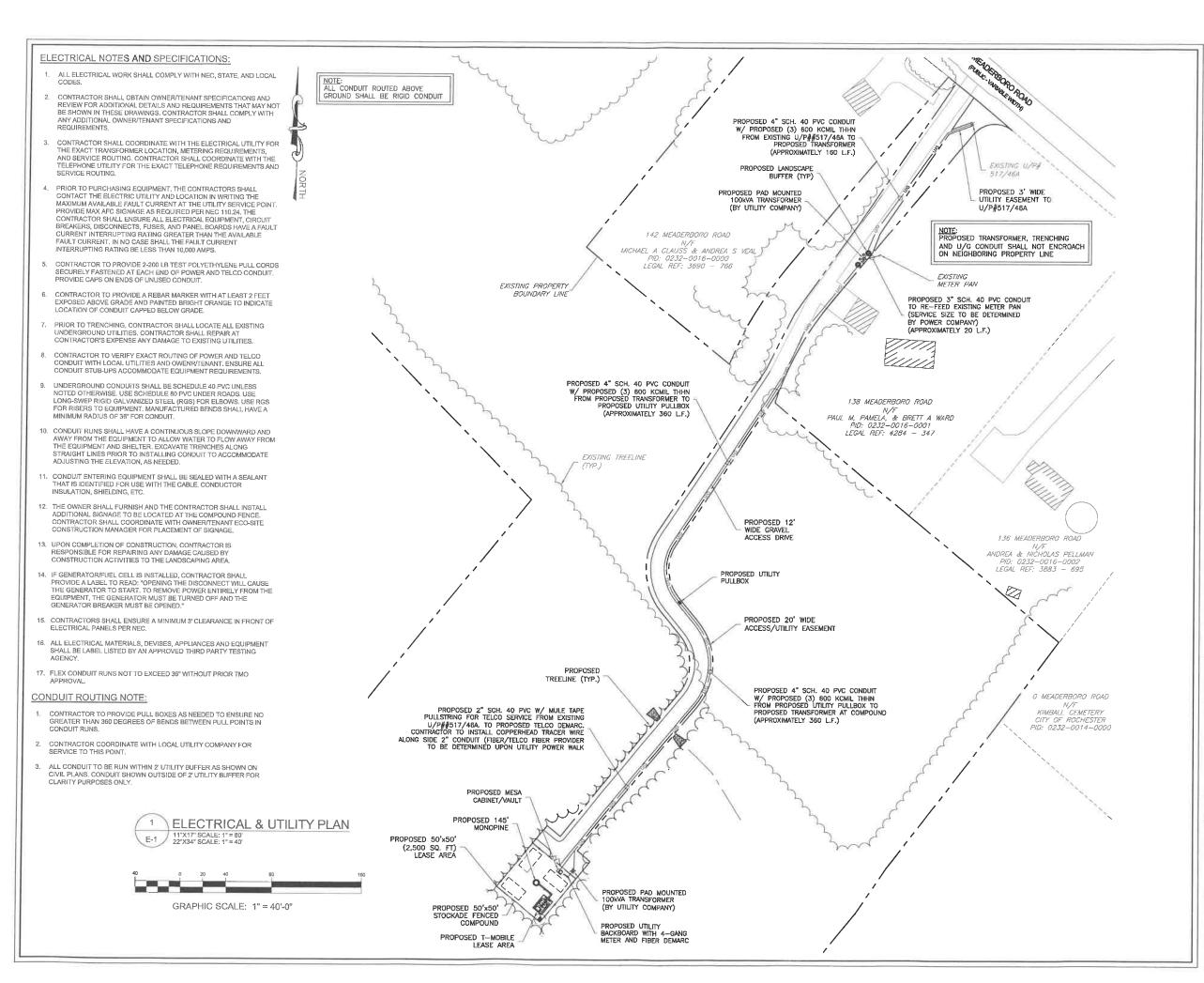
ANTENNA & CABLING **SCHEMATIC**

SHEET NUMBER:

C14

018893000

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ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

STRAFFORD COUNTY LATITUDE: 43.310 533° LONGITUDE: -71.053875°

CURRENT ISSUE DATE:

10/10/19

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FINAL

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MJS

CONSULTANT:

4 10/10/19



NB+C ENGINEERING SERVICES, LLC.

CONSULTANT:=

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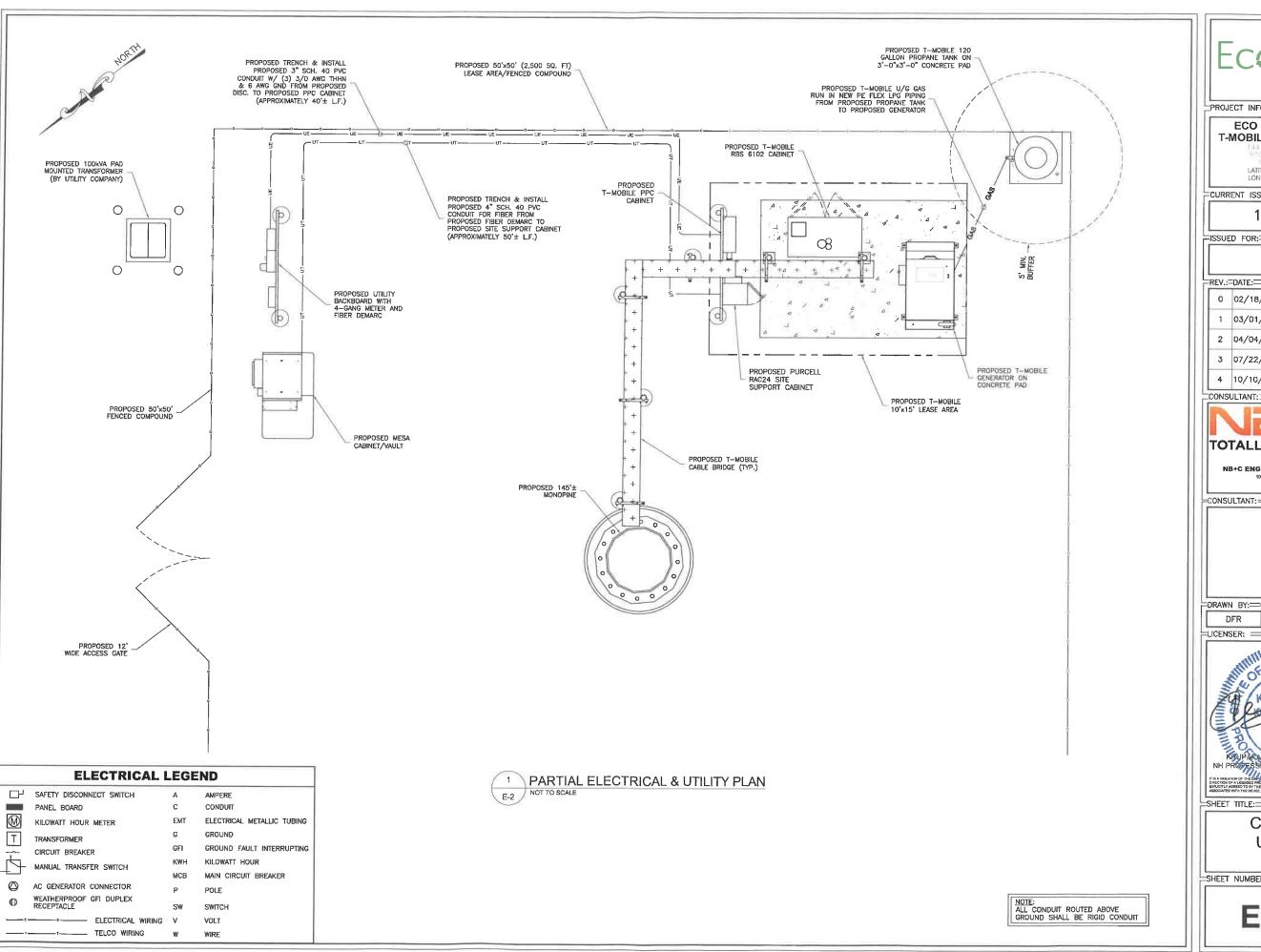
SHEET TITLE:

ELECTRICAL & UTILITY PLAN

SHEET NUMBER:

E1

=REVISION:





ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

LATITUDE: 43.310933° LONGITUDE: -71.053875°

CURRENT ISSUE DATE:

10/10/19

SSUED FOR:

FINAL

REV.:=DATE:====ISSUED FOR:=====BY: 0 02/18/19 CONSTRUCTION 1 03/01/19 REVISED 2 04/04/19 REVISED MJS 3 07/22/19 REVISED MJS

REVISED

MJS

4 10/10/19



NB+C ENGINEERING SERVICES, LLC. 100 APOLLO DRIVE, SUITE 303 CHELMSFORD, MA 01824 (978) 858-8308

CONSULTANT:

DRAWN BY: CHK .: APV .: =

DFR PRC PRC

=LICENSER: =

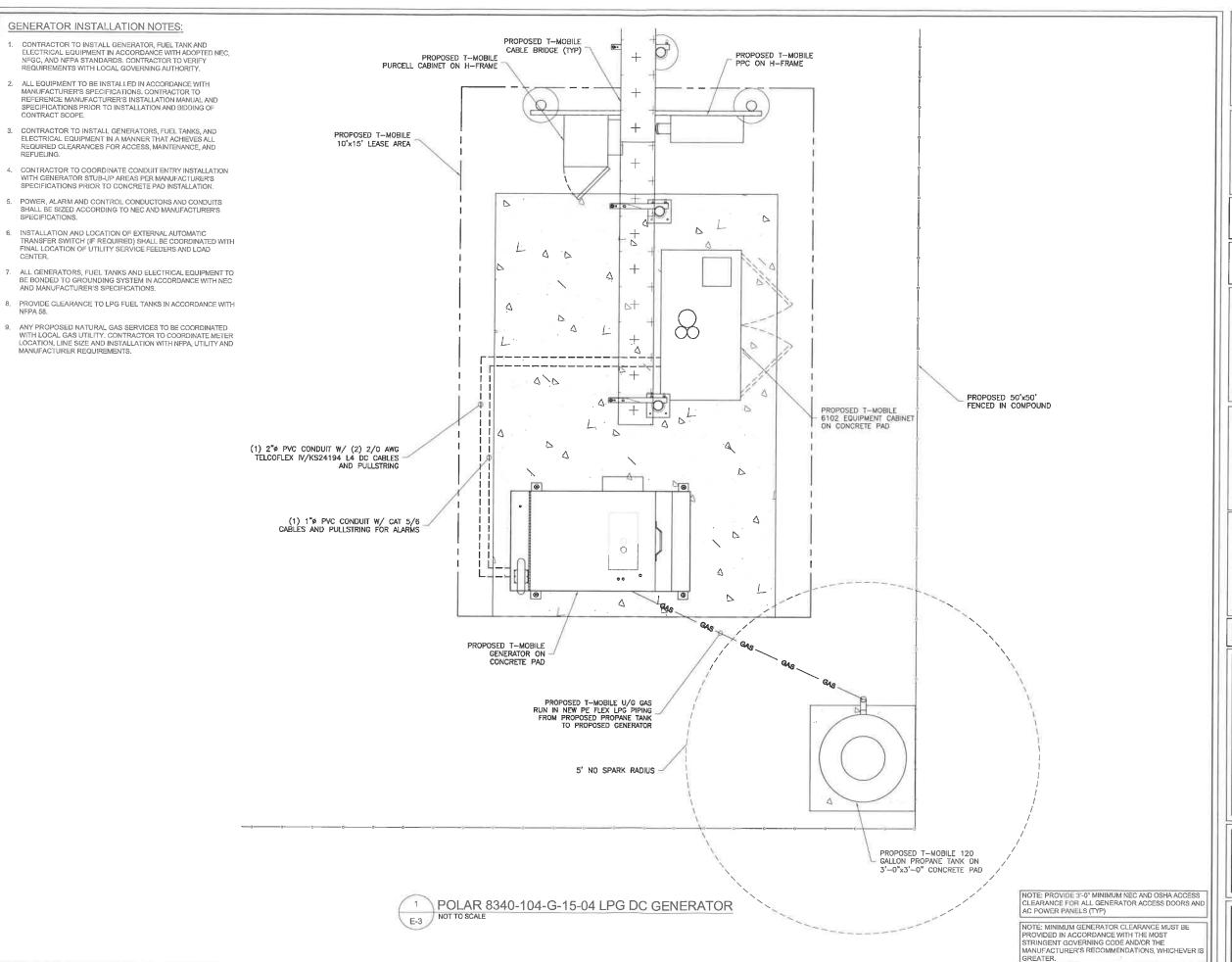


SHEET TITLE:

CARRIER UTILITY PLAN

SHEET NUMBER: REVISION:







ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

LATTUDE: 43.310533' LONGITUDE: -71.053875'

CURRENT ISSUE DATE:

10/10/19

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0 02/18/19 CONSTRUCTION PRC

1 03/01/19 REVISED PRC

2 04/04/19 REVISED MJS

3 07/22/19 REVISED MJS

4 10/10/19 REVISED MJS

CONSULTANT:



NB+C ENGINEERING SERVICES, LLC. 100 APOLLO DRIVE, SUITE 303

(978) 856-8308 =CONSULTANT:

DRAWN BY:=CHK.: APV.:=

DFR PRC PRC

LICENSER:



SHEET TITLE:

GENERATOR INSTALLATION DETAILS

SHEET NUMBER:

E3



==REVISION:==

SPECIFICATIONS PN 8340-104-G-15-04

Engine

Engine Model	Toyota 1KS
Cylinders	3 In-line
Displacement (L)	0.952
Bore (in./mm)	2.834/72
Stroke (in./mm)	3.070/78
Intake Air System	Naturally Aspirated
Engine HP	23
Emissions	U.S. EPA Tier 4 Interim
Emissions Compliance	EPA Certified
/ariable RPM	2900 to 3300

Engine lubrication system

Oil Filter Type	Full flow spin-on canister
Oil Capacity (L)	3.3
Oil Pressure Switch	Yes
Oil Pressure Transducer	Optional

Fuel consumption LPG

Output (kW)	gal/hr	L/hr
4	0.97	3.67
5	1.1	4.16
6	1.26	4.77
7	1.475	5.58
8	1.69	6.4
9	1.945	7.36
10	2.2	8.33
12	2.52	9.54
14.5	3.55	13.44

Fuel pressure

Minimum	Recommended	Maximum
0.14 psi	0.39 psi	0.5 psi
4 in H2O	11 in H2O	13.9 in H2O
10 mbar	27.4 mbar	34.5 mbar

Engine cooling system

Туре	Pressurized Aluminum Radiator
Water Pump	Belt-driven, Pre-lubed, self-sealing
Fan Type	Belt -driven
Airflow CFM	1300
Fan Mode	Pusher
Temperature Sensor	Yes

Environmental

Operating Temperature (°C/°F)	-23 to 50 / -10 to 122
Operating Humidity %	100
Cold Start Aids	Spark Plugs

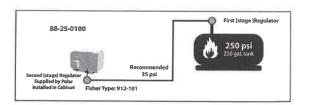
Optional: manifold heater available for temperatures < -10 °F

Power adjustment for conditions

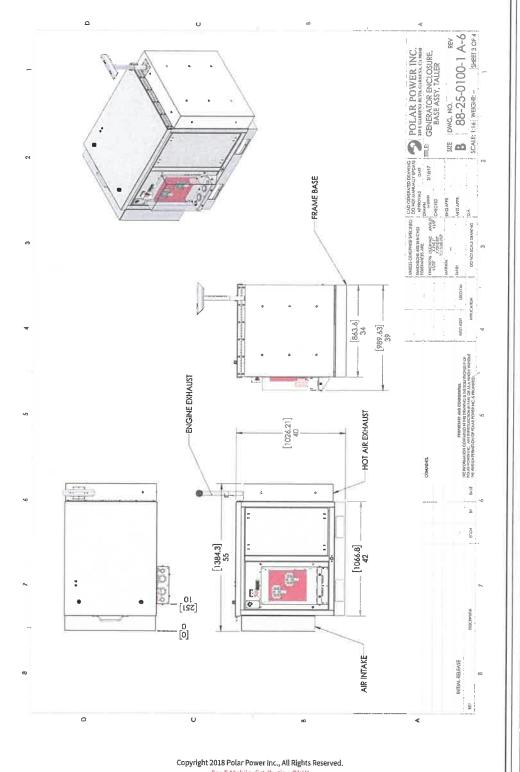
Temperature Deration	1% derate for every 5.6 °C (10 °F) above 25 °C (77 °F)
Altitude Deration	3% derate for every 300 m (1000 ft)
	above 91 m (300 ft)

Fuel system

Type	Natural gas or propane
Fuel Pump Type	Electrical
Injector Type	Float Feed Carburetor
Fuel Filtering	Paper Element
Fuel Tank/Line	Supplied by customer
Max fuel flow rate (BTU/hr)	325,000



DRAWING FOR PN 8340-104-G-15-04



Eco-Site

PROJECT INFORMATION:

ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

CURRENT ISSUE DATE:

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REV.:=DATE:====ISSUED FOR:==== 0 02/18/19 CONSTRUCTION 1 03/01/19 REVISED 2 04/04/19 REVISED 3 07/22/19 REVISED 4 10/10/19 REVISED

CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.

CONSULTANT:

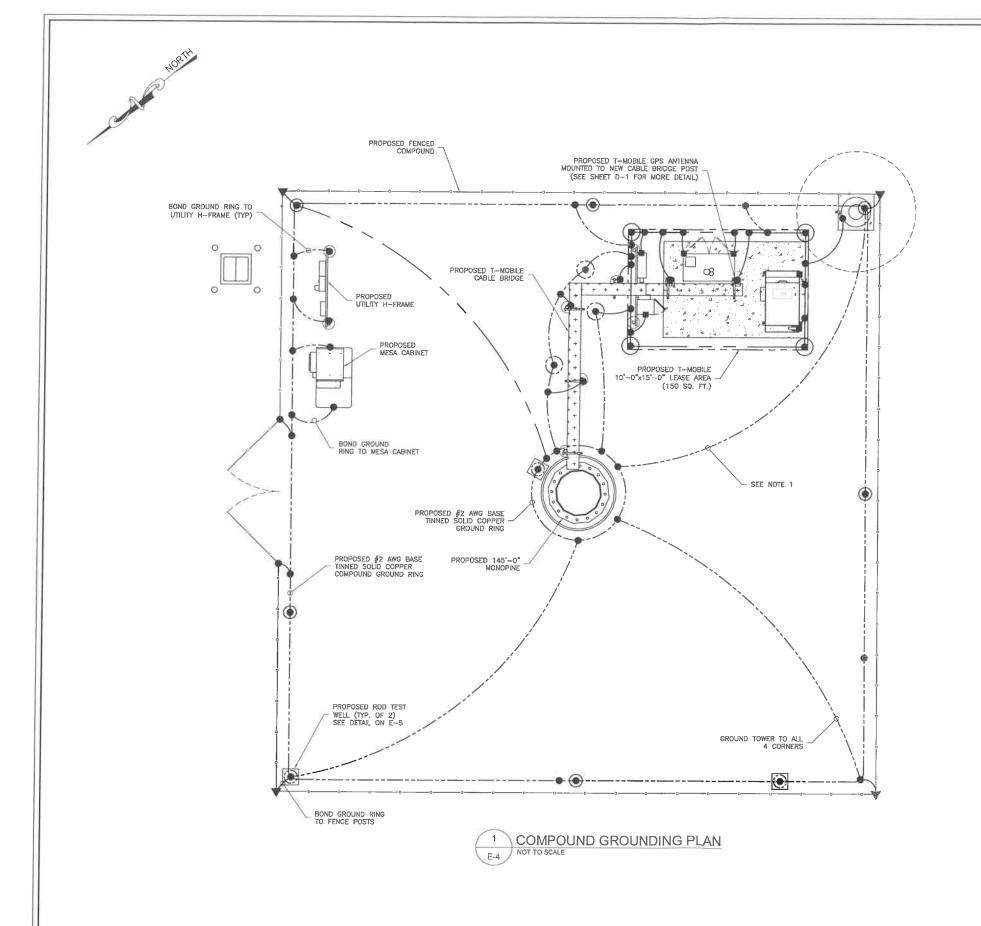
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GENERATOR SPECS

SHEET NUMBER:

E₃A



GROUNDING NOTES AND SPECIFICATIONS:

- THE COPPER GROUND RING SHALL CONSIST OF 2 AWG TINNED SOLID BARE COPPER CONDUCTOR, UNLESS NOTED OTHERWISE, BURIED AT 24" BELOW FINISHED GRADE (OR 8" BELOW FROSTLINE), ALL CONNECTIONS SHALL BE MADE USING AN EXOTHERMIC WELD, UNLESS NOTED OTHERWISE.
- GROUND CONDUCTOR BEND RADIUS SHALL NOT BE LESS THAN 12".
- GROUND RODS SHOULD BE SPACED 2X HEIGHT APART AROUND COMPOUND GROUND RING. (EX. 10' ROD SHOULD BE SPACED 20' APART). MINIMUM SPACING BETWEEN GROUND RODS IS 10' UNLESS NOTED OTHERWISE.
- GATES SHALL BE BONDED TO GATE POSTS USING FLEXIBLE
 JUMPER STRAP (BELDEN 8662 FLAT BRAID TINNED COPPER OR
 EQUAL) WITH EXOTHERMIC WELDS.
- 5. ALL GROUNDING/BONDING CONDUCTORS LOCATED ABOVE FINISHED GRADE SHALL BE RUN IN 1/2" FLEX CONDUIT.
- CONTRACTOR SHALL NOTIFY THE OWNER/TENANT ECO-SITE
 CONSTRUCTION MANAGER TO INSPECT THE GROUNDING SYSTEM
 PRIOR TO BACKFILLING.

LEGEND:



GROUND ROD EXOTHERMICALLY WELDED TO GROUND RING

GROUND RING



EXOTHERMIC WELD



GROUND ROD TEST WELL



PROJECT INFORMATION:

ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

144 MEADERBORO ROAD ROCHESTER, NH 03867 STRAFFORD COUNTY LATITUDE: 43.310633* LONGITUDE: -71.053875*

CURRENT ISSUE DATE:

10/10/19

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CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.

CONSULTANT:=

=DRAWN BY:==CHK.:====APV.:=

DFR PRC PRC

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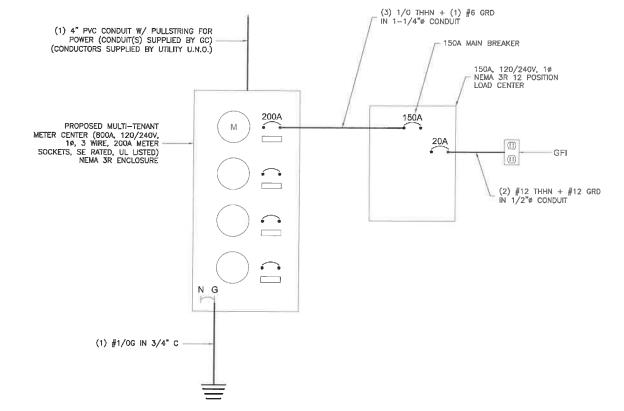
SHEET TITLE:

GROUNDING PLAN

SHEET NUMBER:

=REVISION:

E4



NOTES AND SPECIFICATIONS

- 1. ELECTRIC UTILITY WILL PROVIDE METER AND INCOMING SERVICE LATERAL CONDUCTORS.
- 2. ALL ELECTRICAL WORK SHALL COMPLY WITH NEC, STATE AND LOCAL CODES.
- CONTRACTOR SHALL OBTAIN OWNER/TENANT EQUIPMENT DRAWINGS AND REVIEW FOR ADDITIONAL DETAILS AND REQUIREMENTS THAT MAY NOT BE SHOWN IN THESE DRAWINGS. CONTRACTOR SHALL COMPLY WITH ANY ADDITIONAL OWNER/TENANT SPECIFICATIONS AND REQUIREMENTS THAT MAY BE ADDRESSED IN THE EQUIPMENT DRAWINGS.
- 4. PRIOR TO PURCHASING EQUIPMENT, THE CONTRACTOR SHALL CONTACT THE ELECTRIC PRIOR TO PURCHASING EQUIPMENT, THE CONTRACTOR SHALL CONTACT THE ELECTRIC UTILITY AND OBTAIN IN WRITING THE MAXIMUM AVAILABLE FAULT CURRENT AT THE UTILITY SERVICE POINT. PROVIDE MAX AFC SIGNAGE AS REQUIRED PER NEC 110.24. THE CONTRACTOR SHALL ENSURE ALL ELECTRICAL EQUIPMENT, CIRCUIT BREAKERS, DISCONNECTS, FUSES, AND PANELBOARDS HAVE A FAULT CURRENT INTERRUPTING RATING GREATER THAN THE AVAILABLE FAULT CURRENT. IN NO CASE SHALL THE FAULT CURRENT INTERRUPTING RATING BE LESS THAN 10,000 AMPS.
- 5. THE GROUNDED SERVICE CONDUCTOR (NEUTRAL CONDUCTOR) SHALL BE GROUNDED AT THE SERVICE DISCONNECT ONLY.
- 6. ALL POWER CIRCUITS SHALL USE COPPER CONDUCTORS WITH THHN/THWN INSULATION, ALL TERMINATIONS SHALL BE RATED FOR AT LEAST 75°C.
- CONTRACTOR SHALL PROVIDE GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TYPE RECEPTACLES FOR ALL UTILITY RECEPTACLES.
- CONTRACTOR SHALL ENSURE ALL NEUTRAL CONDUCTORS HAVE WHITE INSULATION AND EQUIPMENT GROUND CONDUCTORS HAVE GREEN INSULATION. COLOR TAPE IDENTIFICATION OF THESE CONDUCTORS IS NOT ALLOWED.
- 9. PER NEC ARTICLE 702 PROVIDE SIGNAGE AS FOLLOWS:

AT SERVICE DISCONNECT:

WARNING - SHOCK HAZARD EXISTS IF GROUNDING ELECTRODE CONDUCTOR OR BONDING JUMPER CONNECTION IN THIS EQUIPMENT IS REMOVED WHILE ALTERNATE SOURCE(S) IS **ENERGIZED**



PROJECT INFORMATION:

ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

LATITUDE: 43.316333° LONGITUDE: -71.053875°

CURRENT ISSUE DATE:

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CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.

CONSULTANT:=

DRAWN BY: CHK .: APV .:

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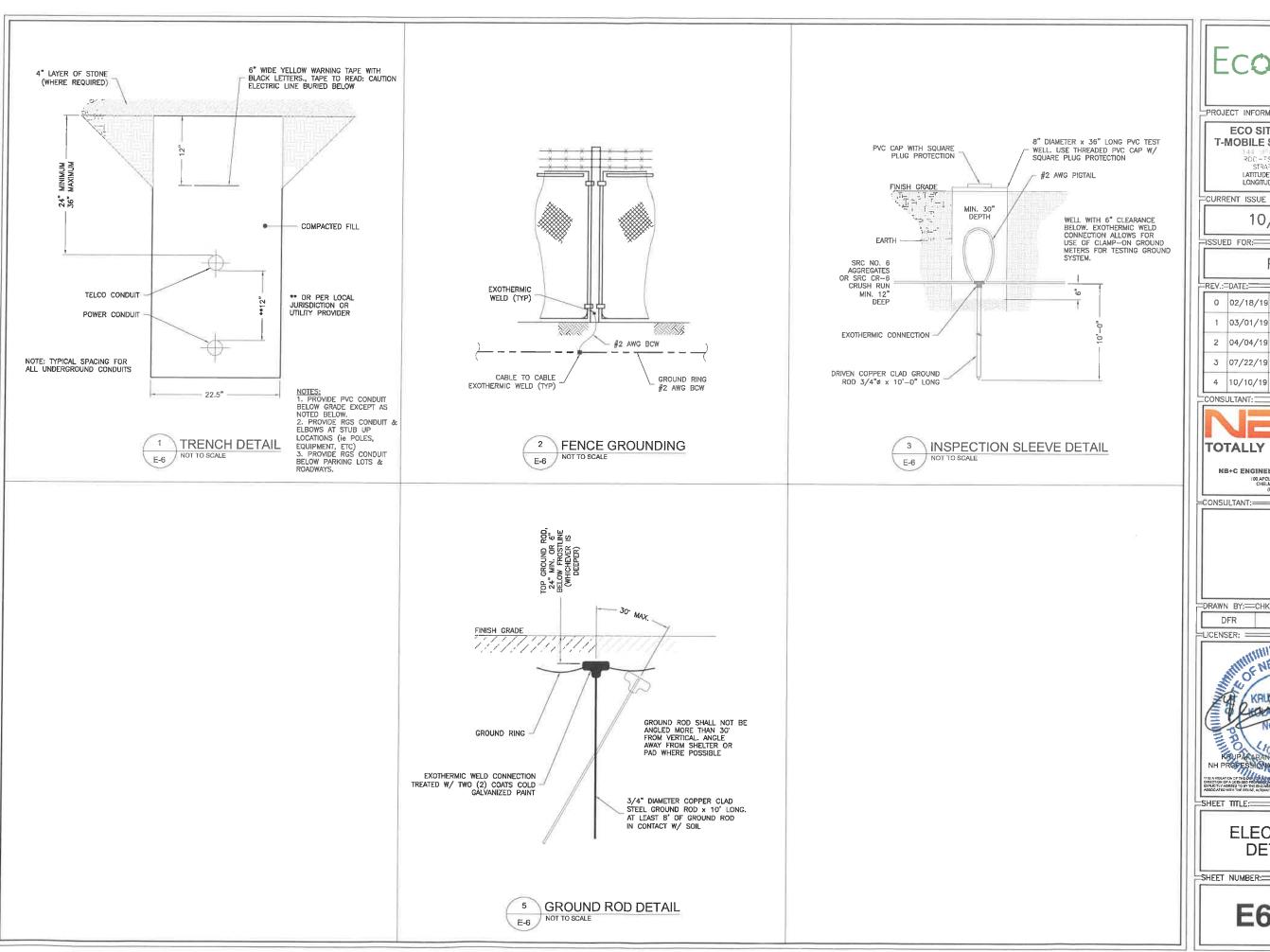
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SHEET TITLE:

SINGLE LINE DIAGRAM

SHEET NUMBER:

=REVISION:=





ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

ROC -FSTER, N- 03897 STRAFFORD COUNTY LATITUDE: 43.310933* LONGITUDE: -71.053875*

CURRENT ISSUE DATE:

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REVISED

CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.

=CONSULTANT:=

DRAWN BY: CHK.: APV.:

PRC

PRC



SHEET TITLE:

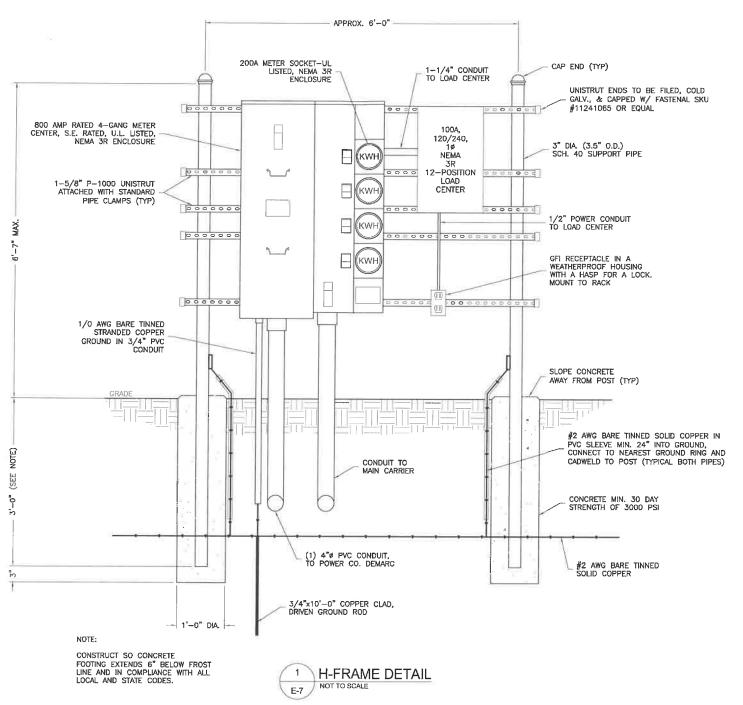
ELECTRICAL DETAILS

SHEET NUMBER:

E6

018893000

===REVISION:=



- ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE, STATE BUILDING CODES AND THE LOCAL BUILDING CODES. ALL COMPONENTS SHALL BE U.L. LISTED.
- 2. REFER TO SITE LAYOUT PLAN FOR THE EXACT LOCATION OF H-FRAME.
- 3. CONTRACTOR TO COORDINATE WITH LOCAL UTILITY COMPANY FOR METER.
- 4. CONTRACTOR TO PROVIDE AND INSTALL METER SOCKET.
- 5. CONTRACTOR TO LOCATE METER RACK TO ENSURE WORKING SPACES REQUIRED BY THE NEC (ART. 110.26), STATE, OR LOCAL CODES ARE MAINTAINED BETWEEN FRONT OF ENCLOSURES AND THE CHAIN LINK FENCE,
- 6. SHOW LOCATION (INCLUDING DIMENSIONS) OF ALL CAPPED UNDERGROUND CONDUIT ON FINAL AS-BUILT DRAWINGS SUBMITTED TO OWNER.
- COORDINATE EXACT LOCATION OF UNDERGROUND FEEDERS AND CIRCUITRY WITH THE OWNER.
- B. CONTRACTOR SHALL COORDINATE WITH LOCAL ELECTRICAL AUTHORITY HAVING JURISDICTION (AHJ) AND OTHER TRADES TO DETERMINE "FROST" LINE, AND TYPES OF RACEWAYS REQUIRED FOR INSTALLATION.
- 9. ALL CONDUITS ABOVE GROUND SHALL BE GALVANIZED CONDUIT.
- 10. CONTRACTOR TO CONTACT LOCAL UTILITY PRIOR TO PURCHASING METER CENTER TO VERIFY ANY PARTICULAR REQUIREMENTS, SUCH AS LEVER BYPASS, ETC.



ECO SITE ID# NH-0002 T-MOBILE SITE #: 4NB0203A

LATITUDE: 43.310633' LONGITUDE: -71.053875'

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CONSULTANT:



NB+C ENGINEERING SERVICES, LLC.

CONSULTANT:

DRAWN BY: CHK.: APV.: PRC

PRC LICENSER: =



SHEET TITLE:

H-FRAME DETAIL

SHEET NUMBER:

E7

018893000

-REVISION: