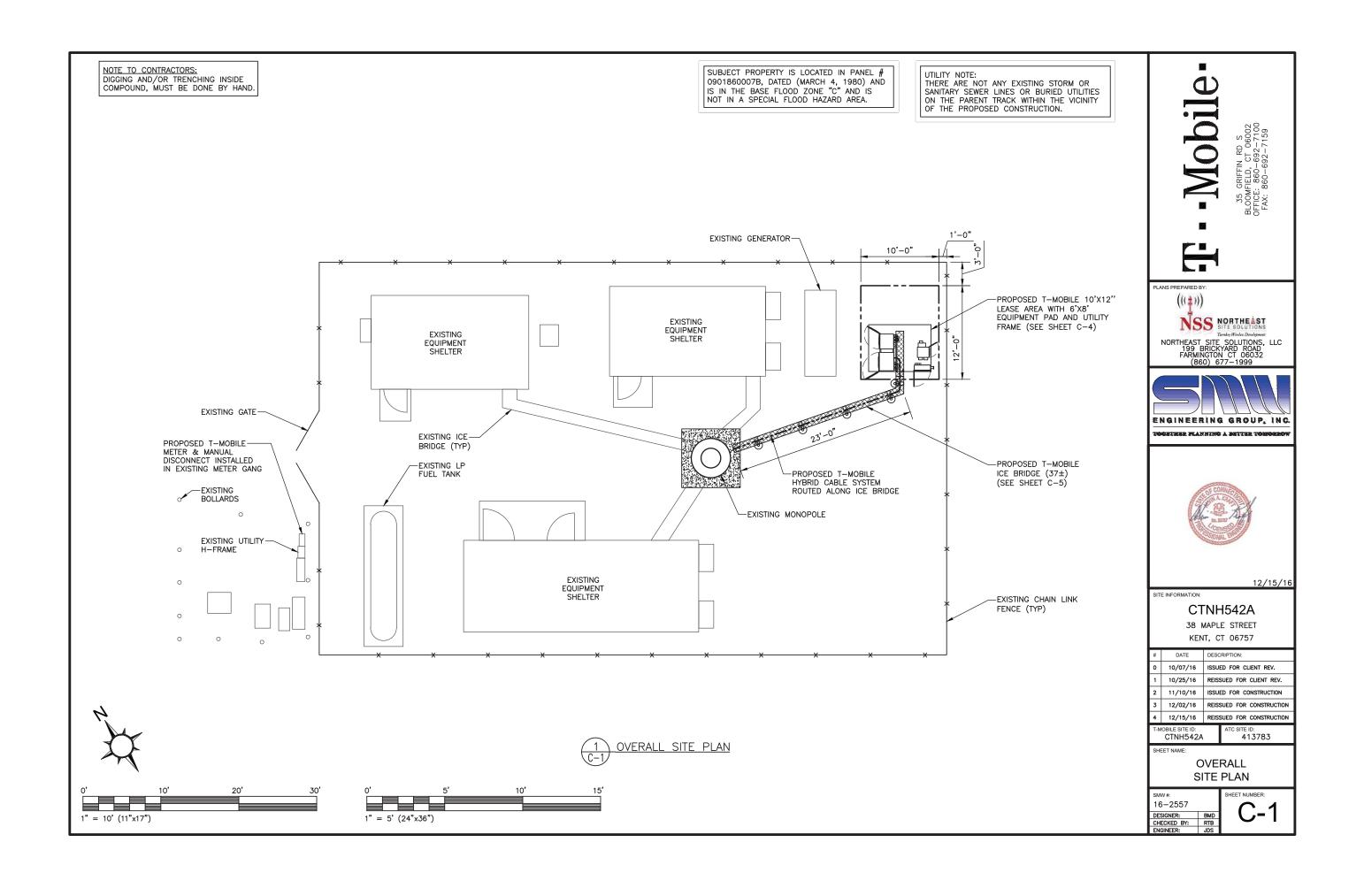
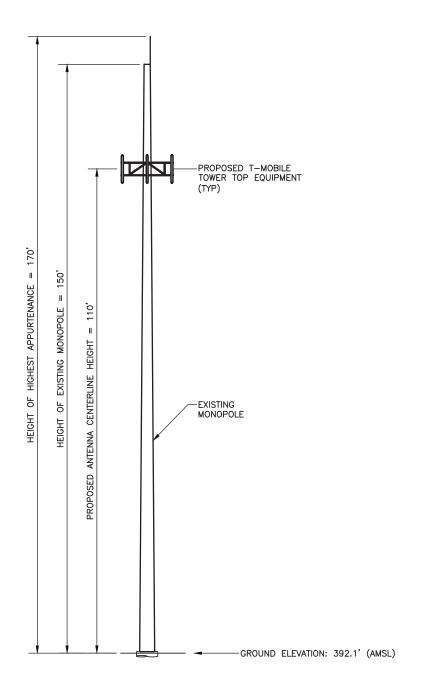
## **APPROVALS GENERAL NOTES** NAME/SIGNATURE DATE ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND DEVELOPMENT MANAGER ORDINANCES. SUBCONTRACTORS SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE ROPERTY/TOWER OWNER SITE ACQUISITION MANAGER 2016 INFILL/ROB/GREENFIELD ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, CONSTRUCTION MANAGER ORDINANCES AND APPLICABLE REGULATIONS. T-MOBILE SITE NUMBER RF ENGINEER UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO 「NH542A OPERATIONS MANAGER COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS. PROJECT SCOPE THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS 150' MONOPOLE THE PROPOSED PROJECT SCOPE WILL CONSIST OF CONSTRUCTING A NEW TELECOMMUNICATIONS BASE STATION INSTALLATION ON AN EXISTING TOWER SITE. THE PROPOSED CONSTRUCTION WILL INCLUDE THE INSTALLATION OF ANTENNA, RADIOS, CABLES AND RELATED EQUIPMENT ON THE TOWER AS WELL AS THE RADIOS, CABINETS, UTILITIES AND ANCILLARY EQUIPMENT ON THE GROUND. SPECIFICALLY STATED OTHERWISE. 5. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR. ATC SITE NUMBER 413783 THE SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO SITE ADDRESS SHEET INDEX 38 MAPLE STREET (((2))) THE OWNER'S DESIGNATED LOCATION. KENT, CT 06757 TITLE SHEET NSS NORTHEAST THE SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. **CONFIGURATION 707C** OVERALL SITE PLAN NORTHEAST SITE SOLUTIONS, LLC 199 BRICKYARD ROAD FARMINGTON CT 06032 (860) 677—1999 SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWING MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION. C-2SITE SUMMARY TOWER ELEVATION & ANTENNA PLAN C-3 TOWER TOP EQUIPMENT SCHEDULE SITE TYPE: PROPOSED EQUIPMENT INSTALLATION TECHNOLOGY TYPE: U1900/L2100/L700 GROUND EQUIPMENT DETAIL 9. ALL SAFETY PRECAUTIONS MUCH BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE SITE ADDRESS: 38 MAPLE STREET KENT, CT 06757 ICE BRIDGE DETAILS WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED ENGINEERING GROUP, INC TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS. FOUNDATION DETAILS & NOTES 41° 43' 18.754" N SITE LATITUDE: STITES A SMINNAR SERVER SITE LONGITUDE: 73° 28' 30.048" W **LOCATION MAP** ONE-LINE DIAGRAM JURISDICTION: TOWN OF KENT F-2 ELECTRICAL UTILITY PLAN POWER COMPANY: **FVERSOURCE** E-3 GROUNDING PLAN TELEPHONE COMPANY: AT&T EQUIPMENT SCHEMATIC TOWER OWNER: AMERICAN TOWER 116 HUNTINGTON AVE, 11TH FLOOR BOSTON, MA 02116 ELECTRICAL & GROUNDING DETAILS F-5 CONTACT: CUSTOMER SERVICE PHONE: 877-518-6937 NORTHEAST SITE SOLUTIONS, LLC 199 BRICKYARD ROAD TOWER MANAGER: FARMINGTON, CT 06032 SHELDON FREINCLE 12/15/16 (201) 776-8521 WIRFLESS CARRIER: T-MOBILE CTNH542A 35 GRIFFIN RD S BLOOMFIELD, CT 06002 38 MAPLE STREET OFFICE: 860-692-7100 FAX: 860-692-7159 KENT, CT 06757 SMW ENGINEERING 158 BUSINESS CENTER DRIVE DESCRIPTION **ENGINEER** 10/07/16 ISSUED FOR CLIENT REV. BIRMINGHAM, AL 35244 10/25/16 REISSUED FOR CLIENT REV. PHONE: 205-252-6985 ALVIN A. KRAFT, PE 11/10/16 ISSUED FOR CONSTRUCTION 12/02/16 REISSUED FOR CONSTRUCTION HANDICAP REQUIREMENTS **BUILDING CODES CALL BEFORE YOU DIG** 12/15/16 REISSUED FOR CONSTRUCTION FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAP ACCESS IS NOT REQUIRED. ALL CONSTRUCTION SHALL COMPLY WITH THE LATEST EDITION OF THE (AS ADOPTED BY LOCAL CTNH542A 413783 JURISDICTION): 2016 CONNECTICUT BUILDING CODE 2012 INTERNATIONAL BUILDING CODE W/AMENDMENTS 2009 ICC/ANSI A117.1 W/AMENDMENTS CONNECTICUT CALL BEFORE YOU DIG STATE WIDE 1-800-922-4455 OR 811 HTTP://WWW.CBYD.COM/# TITLE SHEET 2012 INTERNATIONAL EXISTING BUILDING CODE W/AMENDMENTS PLUMBING REQUIREMENTS 2012 INTERNATIONAL PLUMBING CODE WITH AMENDMENTS 2012 INTERNATIONAL MECHANICAL CODE W/AMENDMENTS FACILITY HAS NO SANITARY OR POTABLE WATER HEET NUMBER 2012 INTERNATIONAL ENERGY CONSERVATION CODE W/AMENDMENTS 16-2557 Know what's **below**. 2014 NFPA 70, NATIONAL ELECTRICAL CODE W/AMENDMENTS 2012 INTERNATIONAL RESIDENTIAL CODE W/AMENDMENTS Call before you dig. CHECKED BY:





- NOTES:

  1. SMW HAS NOT PERFORMED A STRUCTURAL ANALYSIS OF THE EXISTING TOWER OR PROPOSED ANTENNA MOUNT. REFER TO STRUCTURAL ANALYSIS OR STRUCTURAL LETTER BY OTHERS FOR ADDITIONAL INFORMATION.

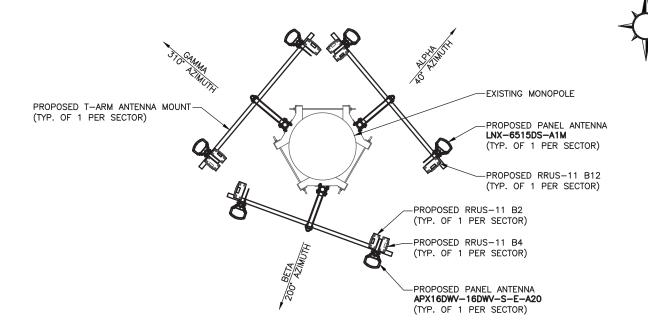
  2. IF THE TOWER STRUCTURAL ANALYSIS SHOWS THE NEED FOR TOWER REINFORCEMENT REFER TO TOWER REINFORCEMENT DESIGN PRIOR TO THE INSTALLATION OF ANY PROPOSED EQUIPMENT.

  3. REFER TO TOWER STRUCTURAL ANALYSIS FOR PROPOSED CABLE ROUTING

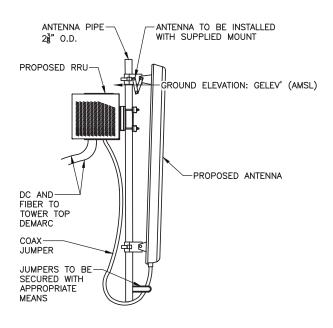
- AND ATTACHMENT DETAILS.

  TOWER ELEVATION SHOWN IS NOT DRAWN TO SCALE AND IS INTENDED ONLY FOR REFERENCE PURPOSES. REFER TO ORIGINAL TOWER DESIGN FOR ADDITIONAL INFORMATION.





PROPOSED ANTENNA ORIENTATION PLAN NOT TO SCALE



ANTENNA MOUNT DETAIL NOT TO SCALE



(((\$))) NSS NORTHE ST NORTHEAST SITE SOLUTIONS, LLC 199 BRICKYARD ROAD FARMINGTON CT 06032 (860) 677-1999





12/15/16

SITE INFORMATION:

CTNH542A 38 MAPLE STREET

		KEN	IT, CT 06757
	#	DATE	DESCRIPTION:
ı	0	10/07/16	ISSUED FOR CLIENT REV.
ı	1	10/25/16	REISSUED FOR CLIENT REV.
ı	2	11/10/16	ISSUED FOR CONSTRUCTION
ı	3	12/02/16	REISSUED FOR CONSTRUCTION
ı	4	12/15/16	REISSUED FOR CONSTRUCTION

CTNH542A

413783

**TOWER ELEVATION** & ANTENNA PLAN

16-2557	
DESIGNER:	BME
CHECKED BY:	RTB
ENGINEER:	JDS

	707C_TOWER_1QP_1DP / U1900/L2100/L700 - TOWER TOP EQUIPMENT SCHEDULE						
ANTENNA SECTOR	ANTENNA MARK	ANTENNA AZIMUTH	ANTENNA MODEL	RRU MODEL	TMA MODEL	TOWER TOP COVP MODEL	ANTENNA CABLE DESCRIPTION
	A1	40°	APX16DWV-16DWV-S-E-A20 (QUAD)	(1) RRUS-11 B2 (P) (1) RRUS-11 B4 (P)			(1) 1 5/8" HYBRID CABLE SYSTEM (P)
ALPHA	A2	40°					
	A3	40°	LNX-6515DS-A1M (DUAL)	(1) RRUS-11 B12 (P)			
	B1	200°	APX16DWV-16DWV-S-E-A20 (QUAD)	(1) RRUS-11 B2 (P) (1) RRUS-11 B4 (P)			(1) 1 5/8" HYBRID CABLE SYSTEM (R)
BETA	B2	200°					
	В3	200°	LNX-6515DS-A1M (DUAL)	(1) RRUS-11 B12 (P)			
GAMMA	C1	310°	APX16DWV-16DWV-S-E-A20 (QUAD)	(1) RRUS-11 B2 (P) (1) RRUS-11 B4 (P)			
	C2	310°					
	C3	310°	LNX-6515DS-A1M (DUAL)	(1) RRUS-11 B12 (P)			

- (P) DENOTES PROPOSED EQUIPMENT
  (R) DENOTES RESERVED EQUIPMENT
- (E) DENOTES EXISTING EQUIPMENT

- NOTE:

  1. THE HYBRID CABLE LENGTH SHOWN IS ONLY AN ESTIMATE AND SHOULD NOT BE USED FOR ORDERING MATERIALS. CONFIRM THE REQUIRED HYBRID CABLE LENGTH WITH T-MOBILE PRIOR TO ORDERING OR INSTALLATION.

  2. THE CONTRACTOR SHALL TEST THE OPTICAL FIBER AFTER INSTALLATION IN ACCORDANCE WITH T-MOBILE STANDARDS AND SUPPLY THE RESULTS TO T-MOBILE.

  3. THE CONTRACTOR SHALL CONFIRM THE TOWER TOP EQUIPMENT LIST ABOVE WITH THE FINAL T-MOBILE RFDS PRIOR TO INSTALLATION.

  4. ALL EXISTING AND PROPOSED ANTENNA CABLES SHALL BE COLOR CODED PER T-MOBILE MARKET STANDARDS.

  5. REFER TO MANUFACTURERS INSTALLATION STANDARDS FOR ADDITIONAL INFORMATION.

  6. REFER TO EQUIPMENT MANUFACTURER'S SPECIFICATION SHEETS FOR ADDITIONAL INFORMATION NOT LISTED ABOVE.

- INFORMATION NOT LISTED ABOVE.

TOWER LOADING SUMMARY				
EQUIPMENT TYPE	ADD QUANITY	TOTAL QUANITY		
PANEL ANTENNA	6	6		
COAX CABLE	0	0		
RRUS	9	9		
HYBRID CABLE	2	2		
COVP	0	0		





(((\$))) NSS NORTHE ST NORTHEAST SITE SOLUTIONS, LLC 199 BRICKYARD ROAD FARMINGTON CT 06032 (860) 677-1999





12/15/16

SITE INFORMATION:

CTNH542A

38 MAPLE STREET KENT, CT 06757

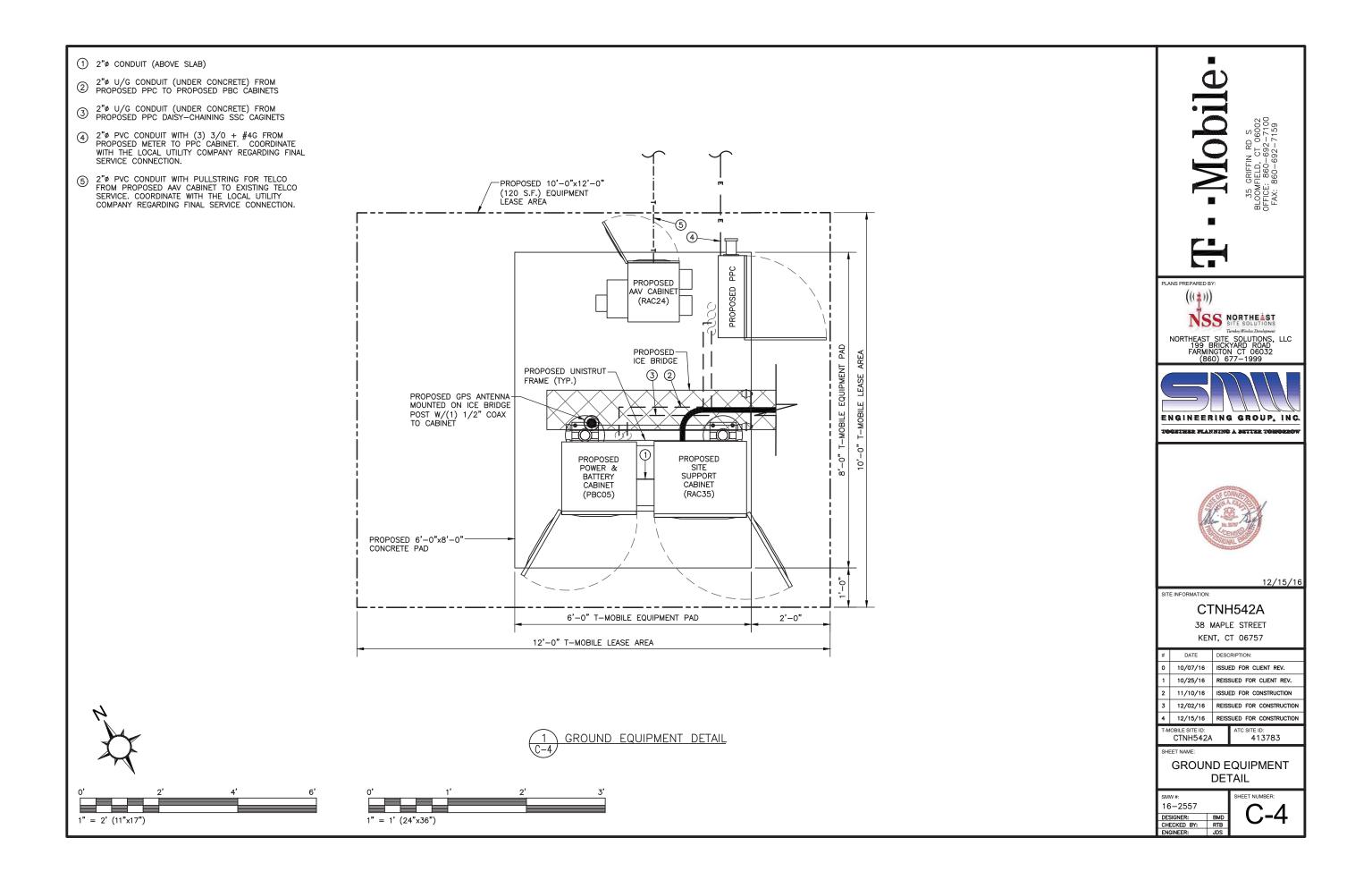
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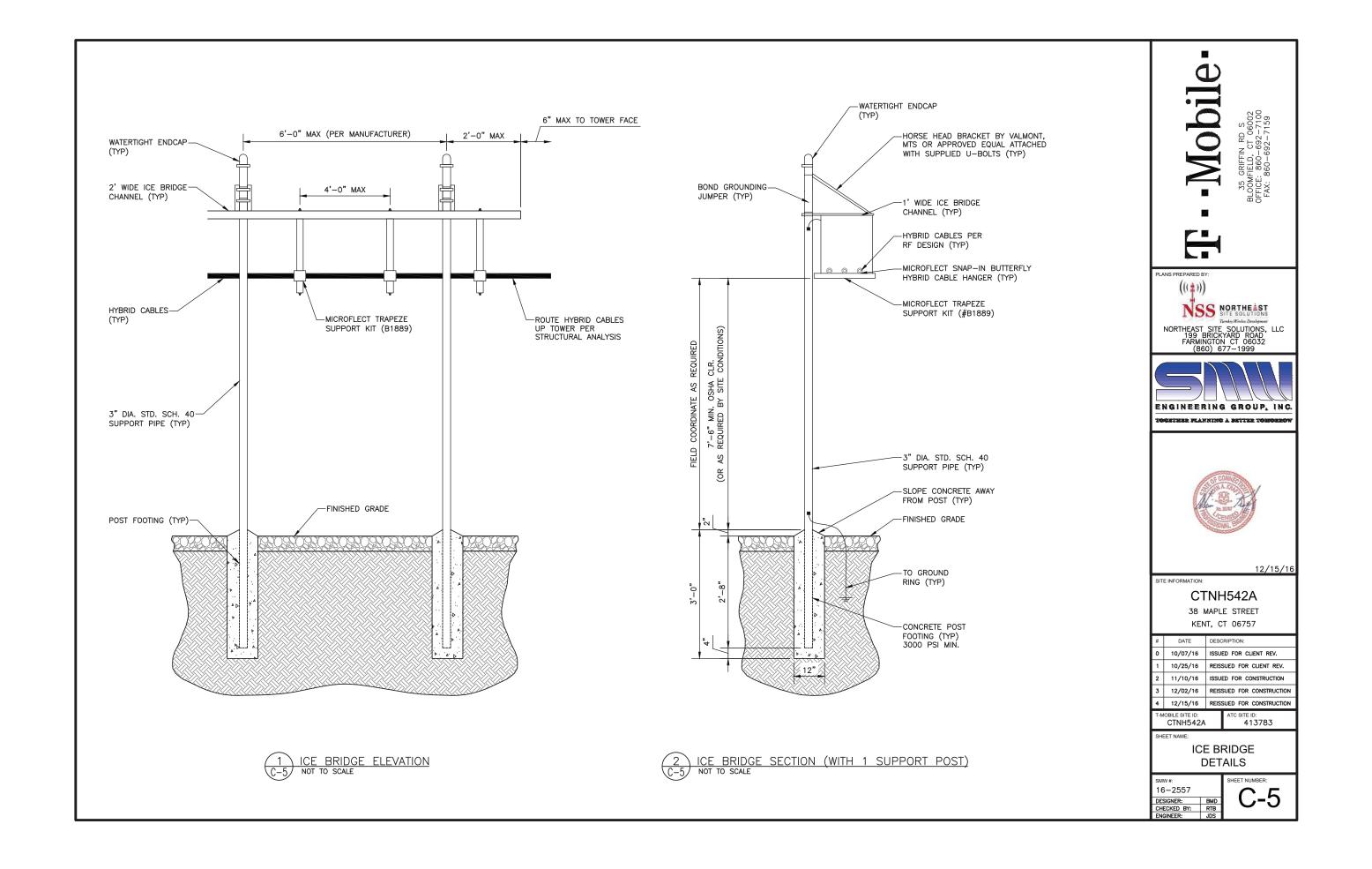
MOBILE SITE ID: CTNH542A

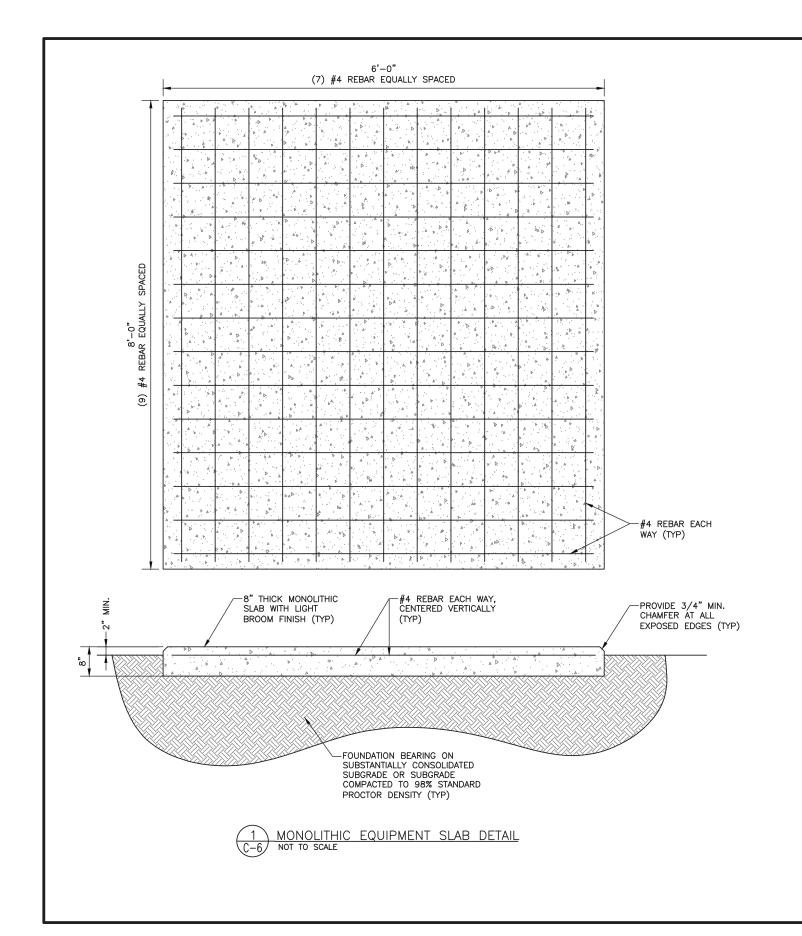
ATC SITE ID: 413783

TOWER TOP EQUIPMENT SCHEDULE

SMW #:	
16-2557	
DESIGNER:	BMD
CHECKED BY:	RTB
ENGINEER:	JDS







REINFORCED CONCRETE NOTES:

- 1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI SPECIFICATIONS FOR THE DESIGN & CONSTRUCTION OF CAST—IN—PLACE CONCRETE, AND WHERE CODES CONFLICT THE MORE STRINGENT NATIONAL OR LOCAL CODE SHALL GOVERN.
- 2. SITECAST CONCRETE FOR SLABS AND POST FOOTINGS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. CONCRETE TESTING IS NOT REQUIRED FOR SLABS AND POST FOOTINGS UNLESS NOTED OTHERWISE.

SLUMP - 4" MIN. / 6" MAX. AIR ENTRAINMENT - 2% TO 3% BY VOLUME

CLASSES OF CONCRETE					
CLASS 28 DAY MAX WATER/CEMENT PLACEMENT NOTES				NOTES	
TYPE I	3000	0.55	SLABS & POST FOOTINGS	NORMAL WEIGHT	
TYPE II*	5000	0.45	SLABS & POST FOOTINGS	HIGH EARLY STRENGTH	

\*IF REQUIRED BY THE CONSTRUCTION SCHEDULE THE CONTRACTOR MAY SUBSTITUTE TYPE III HIGH EARLY STRENGTH CONCRETE WITH THE APPROVAL OF THE CONSTRUCTION MANAGER.

- 3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES FOR REBAR SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO. LAPS FOR WELDED WIRE FABRIC SHALL BE AST LEAST 8", UNO.
- 4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

- 5. MAXIMUM COARSE AGGREGATE SIZE SHALL BE 3/4"
- 6. INSTALLATION OF CONCRETE ANCHORS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN SPECIFICATIONS. THE ANCHOR BOLT, DOWEL, OR ROD SHALL CONFORM TO THE ANCHOR MANUFACTURER'S SPECIFICATIONS FOR MATERIAL STRENGTH, EMBEDMENT DEPTH, SPACING, AND EDGE DISTANCE OR AS DETAILED ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE. EXPANSION BOLTS SHALL BE PROVIDED BY RAMSET/REDHEAD, HILTI, OR APPROVED EQUAL. IF THE MANUFACTURER'S SPECIFICATIONS AND DETAILS ARE FOUND TO CONFLICT WITH THAT SHOWN HEREIN, THE ENGINEER SHAL LBE NOTIFIED IMMEDIATELY.
- THE CONTRACTOR SHALL VERIFY FROST LINE AND FOOTING DEPTH REQUIREMENTS WITH THE JURISDICTION HAVING AUTHORITY PRIOR TO CONSTRUCTION AND CONSULT THE ENGINEER ACCORDINGLY.
- 8. THE CONTRACTOR SHALL VERIFY ALL ELECTRICAL CONDUIT SIZES AND PENETRATION LOCATIONS PRIOR TO POURING THE SLAB.



BLOOMFIELD, CT 0607 DFFICE: 860-692-71 FAX: 860-692-7158



PLANS PREPARED BY:

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STE SOLUTIONS
Tenday Planday Development

NORTHEAST SITE SOLUTIONS, LLC
199 BRICKYARD ROAD
FARMINGTON CT 06032
(860) 677—1999





12/15/16

SITE INFORMATION:

CTNH542A

38 MAPLE STREET KENT, CT 06757

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T-MOBILE SITE ID: CTNH542A

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HEET NUMBER

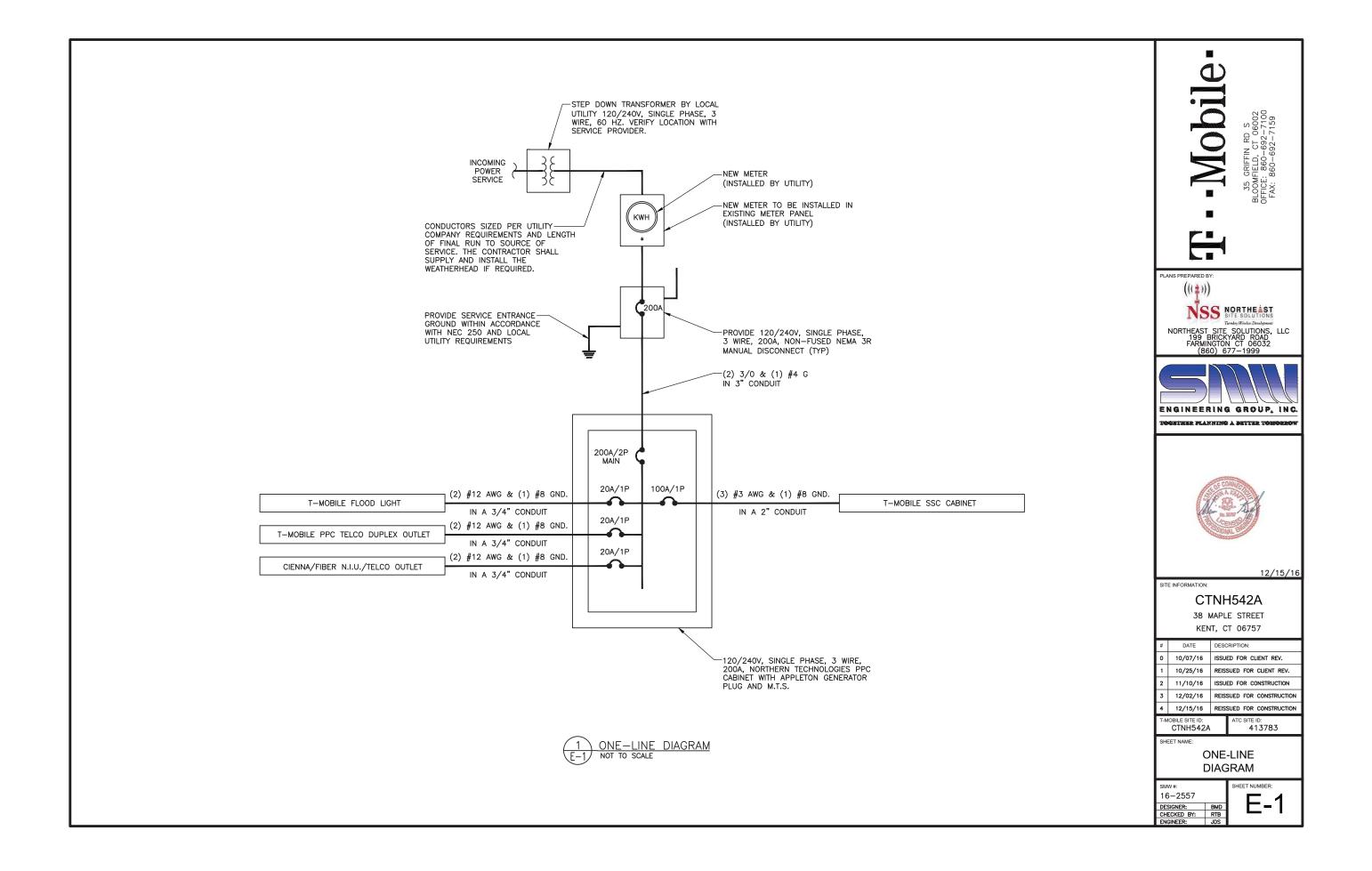
SHEET NAME

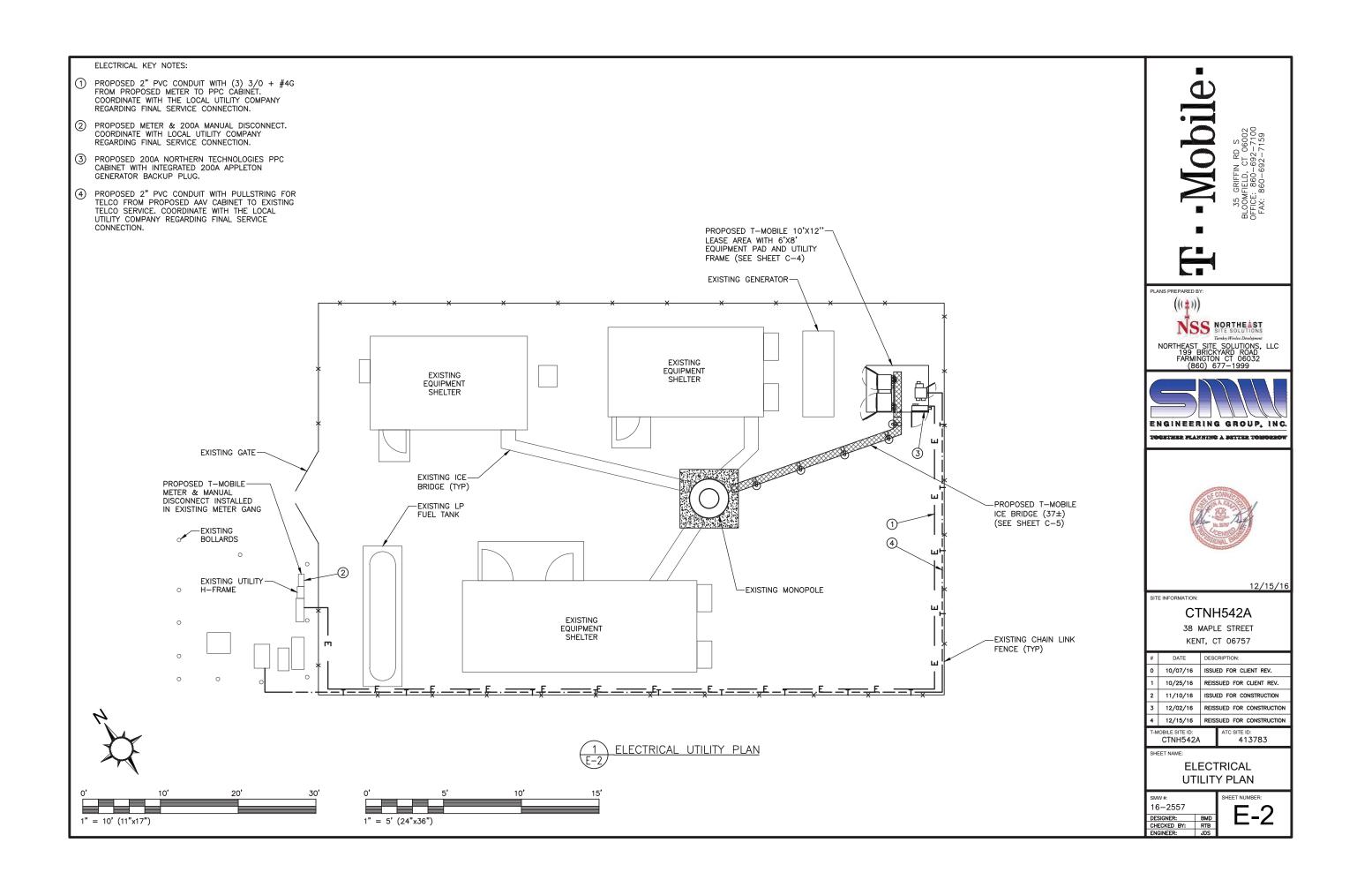
FOUNDATION DETAILS & NOTES

16-2557

DESIGNER: BME
CHECKED BY: RTB

C-6

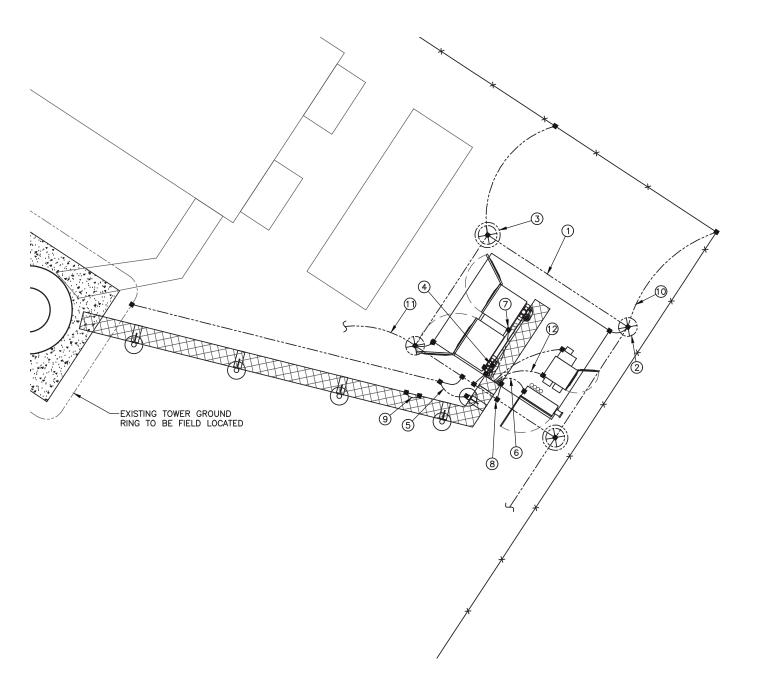




GROUNDING KEY NOTES:

- PROPOSED #2 BARE TINNED SOLID COPPER GROUND RING (TYP)
- 2 PROPOSED 5/8" DIA. X 8' LONG STEEL SHAFT COPPER CLAD GROUND ROD (TYP)
- PROPOSED GROUND ROD WITH COVERED PVC TEST WELL (TYP)
- GROUND PROPOSED UTILITY FRAME POST WITH CADWELD CONNECTION TO BASE PLATE (TYP)
- ⑤ GROUND PROPOSED ICE BRIDGE POST WITH CADWELD CONNECTION TO BASE (TYP)
- GROUND PROPOSED PPC POWER PANEL PER NEC 250 AND LOCAL UTILITY REQUIREMENTS (TYP)
- GROUND PROPOSED SSC CABINET MAIN GROUND BAR WITH 2-HOLE LUG CONNECTION (TYP)
- (8) PROVIDE 12 POSITION MAIN EQUIPMENT COLLECTOR GROUND BAR ATTACHED TO UNISTRUT FRAME WITH STANDOFF INSULATORS, GROUND WITH (2) CADWELDED CONNECTIONS, 1 PER SITE (TYP)
- GROUND ICE BRIDGE CHANNEL SECTIONS WITH 2—HOLE LUG CONNECTION. BOND ADJOINING CHANNEL SECTIONS TOGETHER WITH 2—HOLE LUG JUMPERS (TYP)
- GROUND TO ALL METALLIC OBJECTS WITHIN 6' OF THE PROPOSED EQUIPMENT AND BURIED GROUND RING (TVP)
- GROUND PROPOSED T-MOBILE BURIED EQUIPMENT GROUND RING TO EXISTING SITE GROUND RING. CONDUCT GROUNDING SYSTEM TEST AND INCLUDE IN THE CLOSEOUT PACKAGE TO T-MOBILE. ADDITIONAL GROUNDING MAY BE REQUIRED PENDING THE RESULTS OF THE GROUNDING SYSTEM TEST (TYP x2)'
- 12 CADWELD CONNECTION (SEE SHEET E-6)

NOTE TO CONTRACTORS: DIGGING AND/OR TRENCHING INSIDE COMPOUND, MUST BE DONE BY HAND.













12/15/16

SITE INFORMATION:

CTNH542A

38 MAPLE STREET KENT, CT 06757

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T-MOBILE SITE ID: CTNH542A

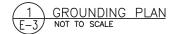
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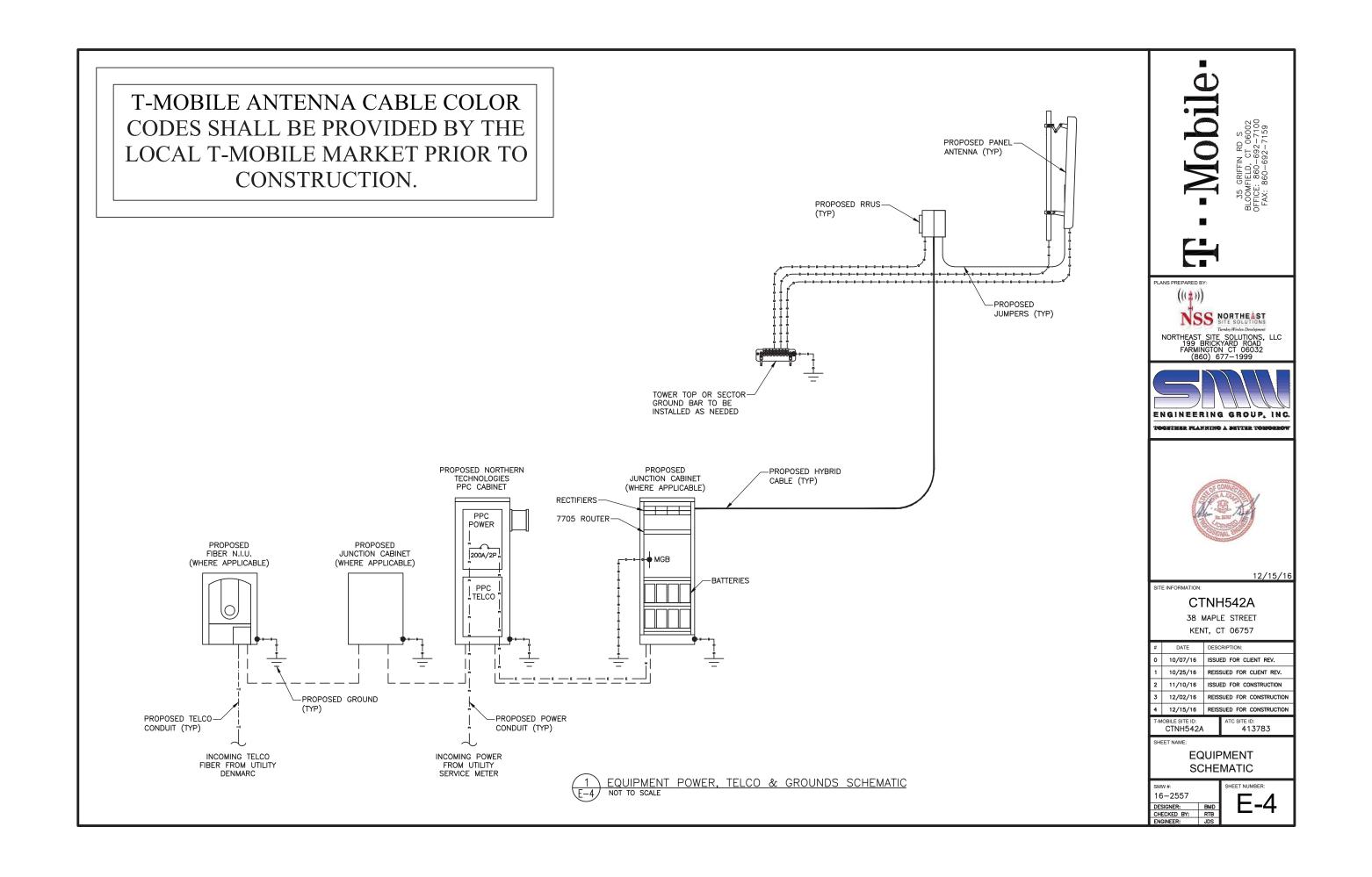
SHEET NAME:

GROUNDING PLAN

SMW#: 16-2557 DESIGNER: BMD CHECKED BY: RTB E-3





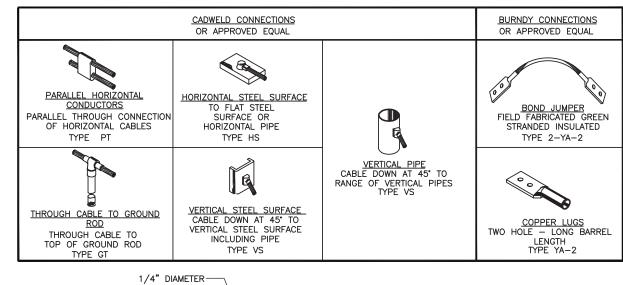


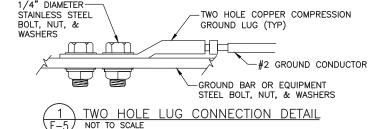
- ALL WORK IS TO COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (NEC) AND ANY LOCAL ORDINANCES, CODES, AND ALL OTHER ADMINISTRATIVE AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL FURNISH AND PAY FOR ALL PERMITS AND RELATED FEES.
- 2. ALL EQUIPMENT AND MATERIAL FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE UNDERWRITERS LABORATORIES (U.L.) LISTED, NEW, FREE FROM DEFECTS, AND SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER OR HIS REPRESENTATIVE. SHOULD ANY TROUBLE DEVELOP DURING THIS PERIOD DUE TO FAULTY WORKMANSHIP, MATERIAL, OR EQUIPMENT, THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS AND LABOR TO CORRECT THE TROUBLE WITHOUT COST TO THE OWNER.
- 3. ALL WORK SHALL BE EXECUTED IN A WORKMAN LIKE MANNER AND SHALL PRESENT A NEAT MECHANICAL APPEARANCE WHEN COMPLETED. CONTRACTOR SHOULD AVOID DAMAGE TO EXISTING UTILITIES WHEREVER POSSIBLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING RELATED TO ELECTRICAL WORK, AND SHALL RESTORE ALL EXISTING LANDSCAPING, SPRINKLER SYSTEMS, CONDUITS, WIRING, PIPING, ETC. DAMAGED BY THE ELECTRICAL WORK TO MATCH EXISTING CONDITIONS.
- 4. ELECTRICAL WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO COMPLETE ELECTRICAL POWER AND LIGHTING SYSTEMS, TELEPHONE AND COMMUNICATION SYSTEMS, PANELBOARDS, CONDUIT, CONTROL WIRING, GROUNDING, ETC. AS INDICATED ON ELECTRICAL DRAWINGS AND/OR AS REQUIRED BY GOVERNING CODES.
- 5. PRIOR TO INSTALLING ANY ELECTRICAL WORK, THE CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY EXISTING SITE LOCATIONS AND CONDITIONS AND UTILITY SERVICE REQUIREMENTS OF THE JOB, AND BY REFERENCE TO ENGINEERING AND EQUIPMENT SUPPLIERS' DRAWINGS. SHOULD THERE BE ANY QUESTION OR PROBLEM CONCERNING THE NECESSARY PROVISIONS TO BE MADE. PROPER DIRECTIONS SHALL BE OBTAINED BEFORE PROCEEDING WITH ANY WORK.
- 6. PROVIDE POWER AND TELEPHONE TO SERVICE POINTS PER UTILITY COMPANY REQUIREMENTS. CONTRACTOR SHALL CONTACT UTILITY SERVICE PLANNERS AND OBTAIN ALL SERVICE REQUIREMENTS AND INCLUDE COSTS FOR SUCH IN THEIR RID.
- 7. SERVICE EQUIPMENT SHALL HAVE A SHORT CIRCUIT WITHSTAND RATING EXCEEDING THE MAXIMUM AVAILABLE FAULT CURRENT AT THE SUPPLY TERMINAL ON THE UTILITY TRANSFORMER SECONDARY, THE INSULATION SHALL BE FREE FROM ANY SHORT CIRCUITS AND GROUNDS. CONTRACTOR TO OBTAIN THE AVAILABLE SHORT CIRCUIT CURRENT FROM THE ELECTRICAL SERVICE PROVIDER.
- 8. ALL WIRES SHALL BE STRANDED COPPER WITH THHN/THWN AND 600 VOLTS INSULATION. ALL GROUND CONDUCTORS TO BE PROPERLY SIZED COPPER. (STRANDED OR SOLID)
- IN THE EVENT OF ANY CONFLICT OR INCONSISTENCY BETWEEN ITEMS SHOWN ON THE PLANS AND/OR SPECIFICATIONS, THE NOTE, SPECIFICATION OR CODE WHICH PRESCRIBES AND ESTABLISHES THE HIGHEST STANDARD OF PERFORMANCE SHALL PREVAIL.
- 10. SERVICE CONDUITS SHALL HAVE NO MORE THAN (4) -50° BENDS IN ANY SINGLE RUN. THE CONTRACTOR SHALL PROVIDE PULL BOXES AS NEEDED WHERE CONDUIT REQUIREMENTS EXCEED THESE CONDITIONS. PULL WIRES AND CAPS SHALL BE PROVIDED AT ALL SPARE CONDUITS FOR FUTURE USE.
- 11. ALL ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO WITHSTAND LOCAL WIND SPEED REQUIREMENTS AND DESIGNED FOR OUTDOOR EXPOSURE.
- 12. ALL COAX, POWER AND TELEPHONE SYSTEM CONDUITS SHALL HAVE A MINIMUM 24" SCH. 80 PVC RADIUS SWEEPS TO EQUIPMENT, PULLBOXES, GUY, ETC., UNLESS OTHERWISE NOTED, OR AS REQUIRED BY UTILITY COMPANIES.
- 13. FUSE TYPE SHALL BE BUSSMAN RKI LOW PEAK FUSE (LPN-RK-140).
- 14. UPON COMPLETION OF THE JOB, THE CONTRACTOR SHALL FURNISH AS-BUILT DRAWINGS TO THE OWNER.
- 15. GENERAL GROUNDING CRITERIA

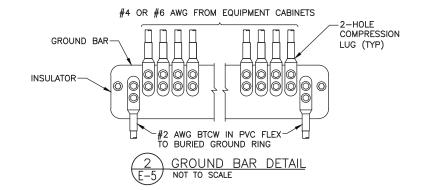
  1ST STEP: GROUND TO EXISTING BUILDING STRUCTURAL STEEL AND TO THE EXISTING COLD WATER METAL
  PIPE LINE. (WHERE APPLICABLE) THEN TEST GROUNDING RESISTANCE FOR 5 OHMS OR LESS OVERALL GROUND
  RESISTANCE. WHERE THE EFFECTIVE RESISTANCE DOES NOT MEET THIS CRITERIA, PROVIDE SUPPLEMENTAL
  GROUNDING AND RE-TEST UNTIL GROUND RESISTANCE FALLS BELOW THIS LEVEL.
- 16. SUPPLEMENTAL GROUND MAY CONSIST OF ONE OR MORE OF THE FOLLOWING:
  COUNTERPOISE, USER GROUND, GROUND ROD AND/OR GROUND WELL IN EXTREMELY ADVERSE SOIL CONDITIONS.
  WHERE THE EXISTING BUILDING STEEL DOES NOT PROVIDE AN EFFECTIVE GROUND RESISTANCE, THEN THE
  CONTRACTOR SHALL PROVIDE A SEPARATE GROUND CONDUCTOR FROM ROOF MOUNTED BTS EQUIPMENT
  LOCATIONS EITHER DOWN THROUGH THE INSIDE OF THE BUILDING OR DOWN THE OUTSIDE OF THE BUILDING,
  DEPENDING UPON OWNER PREFERENCE. WHERE THE GROUND CONDUCTOR FROM THE ROOF MOUNTED
  EQUIPMENT IS ROUTED IN CONDUIT, THE CONDUIT SHALL BE EFFECTIVELY GROUNDED TO THE GROUND
  CONDUCTOR AT BOTH ENDS OF THE CONDUIT. (GUY INSTALLATIONS):

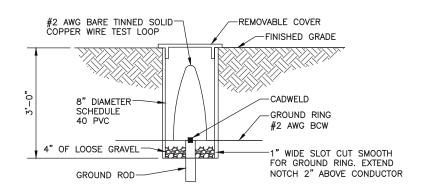
FOR INSTALLATIONS WHERE WOODEN STRUCTURES, TOWERS, CONCRETE SILOS ETC. ARE ENCOUNTERED A PARATE DOWNLEAD SHALL BE PROVIDED FROM THE 3 ANTENNAS SEPARATED BY A MINIMUM OF 12 INCHES FROM THE COAXIAL CABLES. THE GROUND CONDUCTOR SHALL BE SECURELY FASTENED TO THE EXTERIOR OF OUTSIDE STRUCTURES WITH NONMETALLIC GROUND STRAPS EVERY 10 FEET. AGAIN, AS FOR TENANT IMPROVEMENT PROJECTS, TEST THE GROUND RESISTANCE FOR GUY INSTALLATIONS AND PROCEED PER THE ABOVE STEPS.

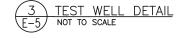
- 17. CONTRACTOR TO COLOR PHASE CONDUCTORS BLACK (B PHASE), RED (A PHASE), WHITE (NEUTRAL), AND GREEN (GROUND).
- 18. CONTRACTOR TO PROVIDE GUTTER TAP.
- 19. THERE SHALL BE A MINIMUM CLEARANCE OF 48" BETWEEN FRONT OF ELECTRICAL EQUIPMENT AND ANY WALL OR OBSTRUCTION.











# F.-Mobile.

PLANS PREPARED BY:

(((##)))

NSS NORTHE ST
SITE SOLUTIONS
Transly Richard Declaration
199 BRICKYARD ROAD
FARMINGTON CT 06032
(860) 677-1999





12/15/16

# CTNH542A

SITE INFORMATION:

38 MAPLE STREET KENT. CT 06757

	#	DATE	DESCRIPTION:
	0	10/07/16	ISSUED FOR CLIENT REV.
	1	10/25/16	REISSUED FOR CLIENT REV.
	2	11/10/16	ISSUED FOR CONSTRUCTION
	3	12/02/16	REISSUED FOR CONSTRUCTION
	4	12/15/16	REISSUED FOR CONSTRUCTION

OBILE SITE ID: ATC SITE ID: 413783

ET NAME:

ELECTRICAL & GROUNDING DETAILS

SMW #:	
16-2557	
DESIGNER:	BMD
CHECKED BY:	RTB
ENGINEER:	JDS

E-5