

BELL ATLANTIC MOBILE SYSTEMS LLC.  
d/b/a



SITE NAME:  
**VAN HORNESVILLE**

FUZE ID #: 17302851  
MDG #: 5000921062



VICINITY MAP

**DIRECTIONS**

DIRECTIONS TO SITE:  
FROM NORTH GREENBUSH FACILITY,  
TURN RIGHT ONTO US-4 S AND FOLLOW FOR 1.5± MILES. TURN RIGHT ONTO NY-43 W AND FOLLOW FOR 1.1± MILES. MERGE ONTO I-90 W AND FOLLOW FOR 53.7± MILES. TAKE EXIT 29 TOWARD NY-10 AND FOLLOW FOR 0.7± MILES. TURN RIGHT ONTO E MAIN ST AND FOLLOW FOR 0.4± MILES. CONTINUE ONTO NY-55 W/ERIE BLVD AND FOLLOW FOR 3.2± MILES. CONTINUE ONTO MAIN ST AND FOLLOW FOR 0.3± MILES. CONTINUE ONTO NY-80 W AND FOLLOW FOR 11.0± MILES. TURN RIGHT ONTO TRAVIS RD AND FOLLOW FOR 1.8± MILES. TURN LEFT ONTO PUSKARENKO RD AND FOLLOW FOR 0.4± MILES. SITE WILL BE ON THE RIGHT.

SITE ADDRESS:	PUSKARENKO RD JORDANVILLE, NY 13361
MUNICIPALITY:	TOWN OF STARK
COUNTY:	HERKIMER
TAX MAP NUMBER:	134.3-1-9
ZONING DISTRICT:	N/A
STRUCTURE COORDINATES:	42.910413° -74.833202°
GROUND ELEVATION:	1551.2± AMSL
PROPERTY OWNER:	SPRING LAWN FARM LLC 3993 JORDANVILLE RD JORDANVILLE, NY 13361
APPLICANT:	VERIZON WIRELESS 1275 JOHN STREET, SUITE 100 WEST HENRIETTA, NY 14586
CONTACT PERSON:	GREGORY HANLEY
CONTACT PHONE:	(315) 701-4621

PROJECT SUMMARY

PROJECT DESCRIPTION

THE PROPOSED WORK CONSISTS OF INSTALLING CELLULAR ANTENNAS AND RELATED EQUIPMENT ON A PROPOSED SELF SUPPORT TOWER AND THE INSTALLATION OF EQUIPMENT AT GRADE WITHIN A PROPOSED FENCED COMPOUND. PROJECT INCLUDES A NEW GRAVEL ACCESS DRIVE AND UNDERGROUND POWER AND FIBER UTILITIES TO SERVICE THE FACILITY.

SHT. NO.	DESCRIPTION	REV NO	REVISION DATE
T-1	TITLE SHEET	1	6/5/24
GN-1	GENERAL NOTES	1	6/5/24
GN-2	GENERAL NOTES	1	6/5/24
C-1	OVERALL SITE PLAN	1	6/5/24
C-2	SITE DETAIL PLAN	1	6/5/24
C-3	ELEVATION, ORIENTATION PLAN & RF INFO	1	6/5/24
C-4	ANTENNA MOUNTING DETAILS	1	6/5/24
C-5A	SITE DETAILS	1	6/5/24
C-5B	SITE DETAILS	1	6/5/24
C-6	EQUIPMENT ELEVATIONS	1	6/5/24
C-7	FOUNDATION PLAN & DETAILS	1	6/5/24
C-8	PIER DETAILS	1	6/5/24
C-9	ICE CANOPY DETAILS	1	6/5/24
E-1	UTILITY DIAGRAMS & DETAILS	1	6/5/24
E-2	UTILITY BACKBOARD DETAIL	1	6/5/24
E-3	GROUNDING PLAN	1	6/5/24
E-4	GROUNDING RISER DIAGRAM	1	6/5/24
E-5	GROUNDING DETAILS	1	6/5/24

SHEET INDEX

THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL ITEMS OF CONCERN HAVE BEEN ADDRESSED AND EACH OF THE DRAWINGS HAS BEEN REVISED AND ISSUED "FOR CONSTRUCTION".

Before You Dig, Drill Or Blast!

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PROTECTIVE ORGANIZATION  
CALL US TOLL FREE 811 OR 1-800-962-7962  
NY industrial code rule 753 requires no less than two working days notice, but not more than ten days notice.

UDIGNY — NEW YORK

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED FOR 22"x34" FULL SIZE AND 11"x17" HALF SIZE. OTHER SIZED VERSIONS ARE NOT PRINTED TO THE SCALE SHOWN. CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

1275 JOHN STREET, SUITE 100  
WEST HENRIETTA, NY 14586

PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.  
Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.  
Project Contact Info  
36 British American Blvd. Phone: (518) 783-1630  
Suite 101 (800) 829-6531  
Latham, NY 12110 www.tectonicengineering.com

WORK ORDER NUMBER	11860.137	DRAWN BY	TRR
NO.	DATE	ISSUE	
0	5/10/24	FOR REGULATORY	
1	6/5/24	UPDATED PER 1A	
RELEASED BY		DATE	



UNAUTHORIZED ALTERATION OR ADDITIONS TO A PLAN BEARING THE SEAL OF A LICENSED ENGINEER OR LAND SURVEYOR IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.



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VAN HORNESVILLE  
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TOWN OF STARK  
HERKIMER COUNTY  
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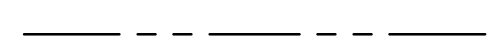

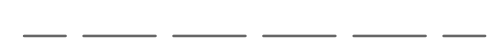



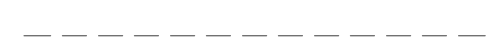





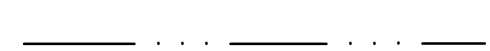



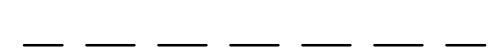







SHEET TITLE  
TITLE SHEET

SHEET NUMBER  
T-1

## FENCING NOTES

- CORNER POSTS, PULL POSTS, AND END POSTS SHALL BE 3" NOMINAL O.D., SCHEDULE 40, STEEL PIPE CONFORMING WITH ASTM F-1083. GATE POSTS SHALL BE 4" NOMINAL O.D., SCHEDULE 40, STEEL PIPE CONFORMING WITH ASTM F-1083 AND MAY BE UTILIZED FOR SINGLE GATE OPENING WIDTHS OF 6 FEET OR LESS AND FOR DOUBLE GATE OPENING WIDTHS OF 12 FEET OR LESS.
- LINE POSTS SHALL BE 2" NOMINAL O.D. SCHEDULE 40 STEEL PIPE CONFORMING WITH ASTM F-1083.
- TOP RAIL AND BRACE RAIL SHALL BE 1 5/8" NOMINAL O.D. PIPE CONFORMING WITH ASTM F-1083.
- GATE FRAMES SHALL BE FABRICATED FROM 1 1/2" NOMINAL O.D. PIPE CONFORMING WITH ASTM F-1083.
- FENCE FABRIC SHALL BE 9 GAUGE WIRE SIZE, 2" MESH CHAIN LINK FENCE CONFORMING WITH ASTM A-392.
- TIE WIRE SHALL BE AS FOLLOWS:
  - AT POSTS, RAILS, AND WHERE NECESSARY ON GATE FRAMES: MINIMUM 11 GAUGE GALVANIZED STEEL SPACED AT NOT LESS THAN 14" ON CENTER.
  - AT TENSION WIRES: BY HOG RINGS SPACED AT NOT LESS THAN 24" ON CENTER.
- TENSION WIRE SHALL BE 7 GAUGE GALVANIZED STEEL.
- THE GATE LATCH SHALL BE THE MALLEABLE IRON FORK TYPE AS MANUFACTURED BY PAGE WILSON AS THEIR TYPE 75 GATE LATCH ASSEMBLY, OR EQUAL. PAD LOCKS ARE TO BE PROVIDED BY THE OWNER.
- FENCE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM F-567 AND GATES SHALL BE INSTALLED IN ACCORDANCE WITH ASTM F-900.

## LEGEND

	PROPERTY LINE
	ADJOINING PROPERTY LINE
	EXISTING CONTOUR
	EXISTING INDEX CONTOUR
	EXISTING BRUSH LINE
	EXISTING TREE LINE
	EXISTING EDGE OF PAVEMENT
	EXISTING EDGE OF GRAVEL DRIVE
	EXISTING FENCE
	EXISTING UNDERGROUND UTILITIES
	EXISTING OVERHEAD WIRES
	EXISTING UTILITY POLE
	EXISTING IRON ROD/PIPE
	EXISTING CENTERLINE OF DITCH
	EXISTING STORM SEWER
	EXISTING CATCH BASIN
	PROPOSED LEASE LINE
	PROPOSED EASEMENT LINE
	PROPOSED CHAINLINK FENCE
	PROPOSED SILT FENCE
	PROPOSED UNDERGROUND UTILITIES
	PROPOSED FUTURE U/G UTILITIES
	TREE TO BE REMOVED
	TREE TO REMAIN
	PROPOSED LIMITS OF CLEARING

## CONCRETE NOTES

- DESIGN AND CONSTRUCTION OF ALL CONCRETE SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318.
- ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE 4500 PSI.
- CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C150 - TYPE I OR II.
- REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60, "DEFORMED AND PLAIN BILLET STEEL BARS FOR CONCRETE REINFORCEMENT".
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185, "WELDED STEEL WIRE FABRIC PLAIN FOR CONCRETE REINFORCEMENT".
- CONCRETE WORK AND MATERIALS SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", ACI 301.
- SUBMIT CONCRETE MIX DESIGN TO THE DESIGN ENGINEER FOR APPROVAL NOT LESS THAN 3 DAYS PRIOR TO CONSTRUCTION. MIX DESIGN SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
- READY MIX CONCRETE SHALL COMPLY WITH ACI 304 AND ASTM C94 WITH A MAXIMUM WATER-CEMENT RATIO OF 0.50. TIME BETWEEN INTRODUCTION OF WATER AND THE PLACEMENT OF CONCRETE SHALL NOT EXCEED 1-1/2 HOURS.
- CONCRETE AGGREGATES SHALL BE NORMAL WEIGHT, CONFORMING TO ASTM C33. MAXIMUM SIZE OF COARSE AGGREGATE SHALL BE 3/4".
- CHLORIDE-CONTAINING ADMIXTURES SHALL NOT BE USED.
- CONCRETE SLUMP SHALL NOT EXCEED 5 INCHES UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER. SLUMP SHALL BE DETERMINED IN ACCORDANCE WITH ASTM C143.
- PROVIDE AIR ENTRAINMENT IN EXTERIOR EXPOSED CONCRETE TO OBTAIN TOTAL AIR CONTENT OF 5% ± 1% IN ACCORDANCE WITH ACI 301.
- FOR CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, CONCRETE COVER FOR REINFORCING SHALL BE: 3" FOR ALL BARS FOR CONCRETE EXPOSED TO EARTH OR WEATHER, MINIMUM COVER SHALL BE:
 

2"	FOR #6 AND LARGER BARS
1-1/2"	FOR #5 AND SMALLER BARS OR WIRE FABRIC
- LAP SPLICES FOR REINFORCING SHALL BE IN ACCORDANCE WITH ACI 318.12 AND STANDARD HOOKS SHALL CONFORM TO ACI 318.7.
- WELDING OF REINFORCING STEEL OR THE APPLICATION OF HEAT TO FACILITATE BENDING IS SPECIFICALLY PROHIBITED.
- ALL REINFORCING, ANCHOR BOLTS, DOWELS, EMBEDDED STEEL, INSERTS AND ALL OTHER EMBEDDED ITEMS AND FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT.
- PROVIDE A 3/4" CHAMFER AT ALL EXPOSED EDGES OF CONCRETE, UNLESS OTHERWISE NOTED.
- PROVIDE NOT LESS THAN 48 HOURS NOTICE TO THE FIELD REPRESENTATIVE PRIOR TO PLACEMENT OF CONCRETE.
- WHEN AMBIENT TEMPERATURE IS BELOW 50 DEGREES F, CONCRETE MATERIALS AND PLACEMENT SHALL CONFORM TO THE RECOMMENDATIONS OF ACI 306R "COLD WEATHER CONCRETING".
- WHEN AMBIENT TEMPERATURE IS ABOVE 90 DEGREES F, CONCRETE MATERIALS AND PLACEMENT SHALL CONFORM TO THE RECOMMENDATIONS OF ACI 305R "HOT WEATHER CONCRETING".
- REMOVE ALL LOOSE MATERIAL AND DEBRIS FROM COMPACTED SUBGRADE SURFACE PRIOR TO PLACING CONCRETE. CONCRETE SHALL NOT BE PLACED ON FROZEN SUBGRADE.
- CONCRETE SHALL BE SUFFICIENTLY CONSOLIDATED BY VIBRATION TO REMOVE AIR VOIDS. VIBRATION SHALL BE IN ACCORDANCE WITH ACI 309 "STANDARD PRACTICE FOR CONSOLIDATION OF CONCRETE".
- THE TOP OF ALL CONCRETE SURFACES SHALL BE TRUE AND LEVEL WITH A SMOOTH FLOAT FINISH, UNLESS OTHERWISE NOTED. ALL DIMENSIONS SHALL BE WITHIN ± 1/8 INCH.
- TESTING OF CONCRETE SHALL BE PERFORMED IN ACCORDANCE WITH ACI 318. REQUIRED, TESTING OF CONCRETE SHALL BE PERFORMED UNDER THE DIRECTION OF THE CONSTRUCTION MANAGER.
- THROUGHOUT CONSTRUCTION, THE CONCRETE WORK SHALL BE ADEQUATELY PROTECTED AGAINST DAMAGE DUE TO EXCESSIVE LOADING, CONSTRUCTION EQUIPMENT, MATERIALS OR METHODS, ICE, RAIN, OR SNOW. PROTECT CONCRETE FROM EXCESSIVE HEAT AND FREEZING FOR NOT LESS THAN 14 DAYS.
- DRYING OUT OF CONCRETE, ESPECIALLY DURING THE FIRST 24 HOURS, SHALL BE CAREFULLY GUARDED AGAINST. ALL SURFACES SHALL BE MOIST CURED OR PROTECTED USING A MEMBRANE CURING AGENT CONFORMING TO ASTM C309 APPLIED AS SOON AS FORMS ARE REMOVED. IF MEMBRANE CURING AGENT IS USED, EXERCISE CARE NOT TO DAMAGE SURFACE.
- CONTRACTOR SHALL BRING TO THE IMMEDIATE ATTENTION OF THE CONSTRUCTION MANAGER ANY DEFECTS OR ERRORS IN THE WORK, PRIOR TO MAKING REPAIRS. CONTRACTOR SHALL OBTAIN PERMISSION FROM THE CONSTRUCTION MANAGER TO PATCH OR OTHERWISE REPAIR DEFECTS OTHER THAN MINOR HONEYCOMBING.
- FABRIC AND STONE SHALL BE INSTALLED THE ENTIRE LENGTH AND WIDTH BENEATH THE PLATFORM.
- JOINT FILLER SHALL BE PREFORMED RESILIENT BITUMINOUS EXPANSION JOINT FILLER CONFORMING TO ASTM D1751.
- EXTERIOR WALKING SURFACES SHALL RECEIVE A BROOM FINISH.
- GROUT SHALL BE NON METALLIC, NON SHRINK PREPACKAGED GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS. GROUT SHALL BE FIVE STAR GROUT AS MANUFACTURED BY FIVE STAR PRODUCTS, FAIRFIELD, CT OR APPROVED EQUAL.
- CONCRETE ANCHORS SHALL BE HEADED STEEL STUDS MEETING THE REQUIREMENTS OF ASTM A108 "STEEL BARS, CARBON, COLD FINISHED, STANDARD QUALITY".

## SITE NOTES

- ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS.
- RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE PROPOSED PLATFORM.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
- THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- 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 ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES.
- 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 THE ENGINEER.
- THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK SHALL BE GRADED TO A UNIFORM SLOPE, FERTILIZED, SEEDDED, AND COVERED WITH MULCH.
- CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE STATE GUIDELINES AND ANY LOCAL REGULATIONS.
- ALL RESTORATION ISSUES SHALL BE COMPLETED WITHIN 72 HOURS OF THE COMPLETION OF THE WORK ACTIVITY OR WITHIN A REASONABLE AMOUNT OF TIME AS DIRECTED BY CONSTRUCTION MANAGER/ENGINEER.
- CARE SHALL BE TAKEN TO RETAIN NATURAL GROWTH AND PREVENT DAMAGE TO TREES WITHIN AND OUTSIDE THE LIMITS OF CONSTRUCTION AND SPECIFIED WORK AREAS CAUSED BY EQUIPMENT AND MATERIALS. ANY DAMAGE TO THIS NATURAL GROWTH SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR.
- ALL AREAS DISTURBED BY THE CONTRACTOR WITHOUT AUTHORIZATION SHALL BE RESTORED BY THE CONTRACTOR.
- IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE CAUSING AN INTERRUPTION IN SAID SERVICE, HE SHALL IMMEDIATELY COMMENCE WORK TO RESTORE SERVICE AND MAY NOT CONTINUE HIS WORK OPERATION UNTIL SERVICE IS RESTORED.

## ANTENNA MOUNTING NOTES

- THE DESIGN AND CONSTRUCTION OF ANTENNA SUPPORTS SHALL CONFORM TO ANSI/TIA-222 H-2017 "STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES, ANTENNAS AND SMALL WIND TURBINE SUPPORT STRUCTURES," THE BUILDING CODE OF NEW YORK STATE, AND ALL OTHER APPLICABLE LOCAL, STATE, AND FEDERAL CODES.
- ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS OTHERWISE NOTED.
- ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
- DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY COLD GALVANIZING IN ACCORDANCE WITH ASTM A780 "REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS", USING COLD GALVANIZING COMPOUND AS MANUFACTURED BY ZINGA-USA OR ZINC KOTE, OR ENGINEER APPROVED EQUAL WITH A MINIMUM METALLIC ZINC CONTENT OF 95% BY WEIGHT IN DRY FILM. DRY FINISHED COATING THICKNESS SHALL BE 3 MILS MINIMUM.
- ALL ANTENNA MOUNTS SHALL BE INSTALLED WITH DOUBLE NUTS AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- DESIGN OF THE ANTENNA MOUNTING BRACKETS, SUPPORTS, AND ALL COMPONENTS THEREOF AND ATTACHMENT THERETO SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER. MANUFACTURER SHALL PROVIDE THE OWNER DRAWINGS DETAILING ALL COMPONENTS OF THE ASSEMBLY, INCLUDING CONNECTIONS, DESIGN LOADS, AND ALL OTHER PERTINENT DATA. MANUFACTURER SHALL ALSO PROVIDE THE OWNER WITH A STATEMENT OF COMPLIANCE, INDICATING THAT THE ANTENNA SUPPORTS HAVE BEEN DESIGNED IN ACCORDANCE WITH ANSI/TIA-222-H-2017 STANDARDS. ALL SUBMISSIONS SHALL BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.

## STRUCTURAL NOTES

- PROPOSED TOWER AND FOUNDATION TO BE ANALYZED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
- THE VERIFICATION OF STRUCTURAL ADEQUACY AND DESIGN OF THE ATTACHMENTS MUST BE PERFORMED, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
- THE DESIGN AND CONSTRUCTION OF ANTENNA SUPPORTS SHALL CONFORM TO ANSI/TIA-222-H-2017 "STRUCTURAL STANDARDS FOR ANTENNA SUPPORTING STRUCTURES, ANTENNAS AND SMALL WIND TURBINE SUPPORT STRUCTURES".

## GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK STATE BUILDING CODE, AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
- CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- DIMENSIONS SHOWN ARE TO FINISH SURFACES, UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE CARRIER'S AUTHORIZED REPRESENTATIVE OR THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
- DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
- CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ALL PRODUCTS OR ITEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND TO BE IN THE FIELD.
- CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST CONSTRUCTION SKILLS AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
- ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMEN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS, AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
- CONTRACTOR SHALL COORDINATE HIS WORK AND SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
- CONTRACTOR SHALL MAINTAIN LIABILITY INSURANCE TO PROTECT THE OWNER AND CARRIER.
- INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACES, EQUIPMENT, IMPROVEMENTS, PIPING, ANTENNA AND ANTENNA CABLES. REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.
- REPAIR ALL EXISTING SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND WITH ADJACENT SURFACES.
- KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE ENGINEER.
- CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS AND INSPECTIONS AND PAY ALL REQUIRED FEES.
- PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A/10-BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDOUT AREA DURING CONSTRUCTION.
- ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS AND OTHER DOCUMENTATION SHALL BE TURNED OVER TO CARRIER AT COMPLETION OF CONSTRUCTION.
- COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF ACCEPTANCE BY CARRIER. ANY WORK, MATERIALS, OR EQUIPMENT FOUND TO BE DEFECTIVE DURING THAT PERIOD SHALL BE CORRECTED IMMEDIATELY UPON WRITTEN NOTIFICATION AT NO ADDITIONAL COST TO CARRIER.
- RIGGING OPERATIONS SHALL BE DONE IN ACCORDANCE WITH STATE AND FEDERAL SAFETY REGULATIONS (OSHA). TECTONIC, CARRIER AND THE OWNER SHALL BE HELD HARMLESS IN THE EVENT THE CONTRACTOR DOES NOT FOLLOW SUCH SAFETY REGULATIONS.
- CONTRACTOR SHALL PROVIDE ACCESS TO THE SITE AND ASSIST THE RADIO EQUIPMENT VENDOR AND THE ANTENNA INSTALLATION CONTRACTOR AS THEY MAY REQUIRE.

**verizon**

1275 JOHN STREET, SUITE 100  
WEST HENRIETTA, NY 14586

**Tectonic**

PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.  
Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.  
Project Contact Info  
36 British American Blvd. Phone: (518) 783-1630  
Suite 101 (800) 829-8531  
Latham, NY 12110 www.tectonicengineering.com

WORK ORDER NUMBER DRAWN BY

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0 1 2 3  
ORIGINAL SIZE IN INCHES

SITE INFORMATION

VAN HORNESVILLE  
FUZE ID#: 17302851  
MDG#: 5000921062

SITE ADDRESS

PUSKARENKO RD  
TOWN OF STARK  
HERKIMER COUNTY  
NY 13361

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

**GN-1**

## EROSION & SEDIMENT CONTROL MEASURES

### TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.

#### GENERAL MEASURES:

- AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
- SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND DURATION OF SOIL DISRUPTION.

#### PARTICULAR MEASURES:

- DRAINAGE DITCH SEDIMENT FILTERS:** UNTIL SUCH TIME AS FINAL SITE STABILIZATION IS COMPLETED, DITCHES SHALL RECEIVE TREATMENT WITH STRAW BALE WEIRS SO AS TO EFFECTIVELY TRAP SEDIMENT AND MINIMIZE ITS RELEASE OFF-SITE. STRAW BALE FILTERS SHALL BE CONSTRUCTED WITHIN EACH DITCH BEGINNING AT ITS DOWNSTREAM TERMINUS AND SHOULD BE PLACED AT INTERVALS OF LESS THAN 50 FEET.
- STRAW BALE BERMS OR SILT FENCES:** STRAW BALE BERMS OR SILT FENCES SHALL BE CONSTRUCTED AROUND ALL STOCKPILES OF FILL, TOPSOIL, AND EXCAVATED OVERBURDEN THAT ARE TO REMAIN EXPOSED FOR PERIODS LESS THAN 30 DAYS. STRAW BALE BERMS AND SILT FENCES SHALL BE ANCHORED AND MAINTAINED IN GOOD CONDITION UNTIL SUCH TIME AS SAND STOCKPILES ARE REMOVED AND STOCKPILING AREAS ARE BROUGHT TO FINAL GRADE AND PERMANENTLY STABILIZED.
- TOPSOIL AND FILL THAT IS TO REMAIN STOCKPILED ON-SITE FOR PERIODS GREATER THAN 30 DAYS SHALL BE STABILIZED BY SEEDING. PRIOR TO THE SEEDING OPERATION, THE STOCKPILED MATERIAL SHALL BE GRADED AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND MULCH ANCHORING.**
- IN NO CASE SHALL ERODIBLE MATERIALS BE STOCKPILED WITHIN 25 FEET OF ANY DITCH, STREAM, OR OTHER SURFACE WATER BODY.

### PERMANENT AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES

- PERMANENT AND TEMPORARY VEGETATIVE COVER: IMMEDIATELY FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITY OR WHERE WORK IS DELAYED AND WILL NOT BE DISTURBED FOR 21 DAYS OR MORE IN ANY PORTION OF THE SITE, PERMANENT OR TEMPORARY VEGETATION SHALL BE ESTABLISHED WITHIN 14 DAYS ON ALL EXPOSED SOILS. ALL DISTURBED AREAS SHALL BE SEEDBED AND MULCHED AS SOON AS PRACTICAL FOLLOWING DISTURBANCE TO STABILIZE BARE SOIL AND PROMOTE THE PROMPT RE-ESTABLISHMENT OF VEGETATION.
  - AN ADEQUATE SEEDBED SHALL BE PREPARED BY SCARIFYING, COMPACTED SOIL, AND REMOVING SURFACE DEBRIS AND OBSTACLES.
  - LIME SHALL BE APPLIED SUFFICIENTLY TO ATTAIN A SOIL ACIDITY pH OF 6.0 TO 7.0.
  - FERTILIZER (5-10-10 MIXTURE OR EQUIVALENT) SHALL BE APPLIED PER SOIL TEST RESULTS OR AT A RATE OF 600 LBS. PER ACRE.
  - DISTURBED AREAS WHICH WILL REMAIN TEMPORARILY FALLOW FOR PERIODS GREATER THAN 14 DAYS SHALL BE SEEDBED AT THE FOLLOWING RATE TO PRODUCE TEMPORARY GROUND COVER: 30 LBS. RYEGRASS (ANNUAL OR PERENNIAL) PER ACRE. DURING THE WINTER, USE 100 LBS. CERTIFIED "AROOSTOCK" WINTER RYE (CEREAL RYE) PER ACRE.
  - PERMANENT SEEDING SHALL BE APPLIED ON 4" MIN TOPSOIL AT THE FOLLOWING RATE FOR ROUGH OR OCCASIONAL MOWING AREAS:
    - 8 LBS EMPIRE BIRDSFOOT TIREFOIL OR COMMON WHITE CLOVER PER ACRE
    - 20 LBS TALL FESCUE PER ACRE PLUS
    - 2 LBS REDTOP OR 5 LBS RYEGRASS (PERENNIAL) PER ACREFOR MOWED AREAS:
    - 65 LBS KENTUCKY BLUEGRASS PER ACRE
    - 65 LBS RYEGRASS (PERENNIAL) PER ACRE
  - ALL SEEDING SHALL BE PERFORMED USING THE BROADCAST METHOD OR HYDROSEEDING, UNLESS OTHERWISE APPROVED.
  - ALL DISTURBED AREAS SHALL BE STABILIZED SUBSEQUENT TO SEEDING BY APPLYING 2 TONS OF STRAW MULCH PER ACRE. STRAW MULCH SHALL BE ANCHORED BY APPLYING 750 LBS OF WOOD FIBER MULCH PER ACRE WITH A HYDROSEEDER, OR TUCKING THE MULCH WITH SMOOTH DISCS OR OTHER MULCH ANCHORING TOOLS TO A DEPTH OF 3". MULCH ANCHORING TOOLS SHALL BE PULLED ACROSS SLOPES ALONG TOPOGRAPHIC CONTOURS.
- ALL UNNECESSARY REMOVAL OF HEALTHY TREES SHALL BE AVOIDED. MATERIALS SHALL NOT BE STORED NOR MACHINERY OPERATED WITHIN THE DRIP-LINE OF THE TREES TO REMAIN.

### MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES:

- THE CONTRACTOR SHALL ON A DAILY BASIS INSPECT AND MAINTAIN THE INTEGRITY AND FUNCTION OF ALL TEMPORARY EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE CONSTRUCTION PROCESS.
- TO ASSURE PROPER FUNCTION, SILTATION BARRIERS SHALL BE MAINTAINED IN GOOD CONDITION AND REINFORCED, EXTENDED, REPAIRED, OR REPLACED AS NECESSARY. WASHOUTS SHALL BE IMMEDIATELY REPAIRED, RE-SEEDBED, AND PROTECTED FROM FURTHER EROSION.
- SEDIMENT SHALL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES ABOUT 0.5 FEET DEEP AT THE FENCE. THE SEDIMENT FENCE SHALL BE REPAIRED AS NECESSARY TO MAINTAIN BARRIER.
- ALL SEEDBED AREAS SHALL BE FERTILIZED, RESEEDBED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN IN ORDER TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.

## SOIL AND EROSION CONTROL NOTES

- TEMPORARY SEDIMENTATION ENTRAPMENT AREAS SHALL BE PROVIDED AT KEY LOCATIONS TO INTERCEPT AND CLARIFY SILT LADEN RUNOFF FROM THE SITE.
- SILT THAT LEAVES THE SITE IN SPITE OF THE REQUIRED PRECAUTIONS SHALL BE COLLECTED AND REMOVED AS DIRECTED BY APPROPRIATE MUNICIPAL AUTHORITIES.
- AT THE COMPLETION OF THE PROJECT, ALL TEMPORARY SILTATION DEVICES SHALL BE REMOVED AND THE AFFECTED AREAS REGRADED, OR TREATED IN ACCORDANCE WITH THE APPROVED SITE PLANS.
- ALL SEDIMENTATION ENTRAPMENT STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS.
- CONTRACTOR TO INSTALL EROSION CONTROL MEASURES (SILT FENCE AND/OR HAY BALES) AROUND AREAS BEING DISTURBED DURING CONSTRUCTION AND AS NECESSARY.
- CONTRACTOR TO INSTALL SILT FENCE ON DOWN SLOPE OF ALL UTILITY TRENCHES.
- a. DISTANCES SHOWN FROM THE WETLANDS IF ANY ON THE CONSTRUCTION PLANS AND SOIL EROSION AND SEDIMENTATION CONTROL PLANS ESTABLISH THE MINIMUM SEPARATION PERMITTED BETWEEN THE PROPOSED CONSTRUCTION ACTIVITIES AND BOUNDARY OF THE WETLANDS.

AREA OF DISTURBANCE LINES SHALL BE CLEARLY DELINEATED IN THE FIELD BY INSTALLING b. SNOW FENCE AROUND THE ENTIRE PROPOSED CONSTRUCTION AREA. EXCEPT AS NECESSARY TO PROVIDE MITIGATION PLANTINGS, NO ENCROACHMENT BEYOND THESE LIMITS BY WORKERS OR MACHINERY SHALL BE PERMITTED.

GRADING AND CLEARING AND OTHER CONSTRUCTION-RELATED ACTIVITIES SHALL TAKE PLACE c. ONLY WITHIN THE DELINEATED AREA OF DISTURBANCE LINES. THESE AREAS OF DISTURBANCE LINES REPRESENT THE MAXIMUM LIMITS OF CONSTRUCTION ACTIVITIES. EVERY ATTEMPT SHALL BE MADE TO FURTHER REDUCE GRADING AND CLEARING ACTIVITIES WITHIN THE AREA OF DISTURBANCE LINES BY MAINTAINING NATURAL VEGETATION AND TOPOGRAPHY WHEREVER PRACTICABLE.

ALL CONSTRUCTION AND CONSTRUCTION-RELATED ACTIVITIES OCCURRING ON THIS SITE SHALL d. COMPLY WITH STANDARDS AND RECOMMENDATIONS OF THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

PRIOR TO THE COMMENCEMENT OF ANY SITE WORK, THE APPLICANT SHALL STAKE THE e. LOCATION OF THE CONSTRUCTION ACTIVITY FOR INSPECTION AND APPROVAL BY THE TOWN ENGINEER.

ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHOWN ON THIS PLAN SHALL BE f. IN PLACE PRIOR TO THE START OF ANY SITE WORK. THE TOWN ENGINEER SHALL HAVE INSPECTED THE INSTALLATION OF ALL REQUIRED SOIL EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE AUTHORIZATION TO PROCEED WITH ANY PHASE OF THE SITE WORK.

THROUGHOUT THE CONSTRUCTION PERIOD, A QUALIFIED PROFESSIONAL RETAINED BY THE g. APPLICANT SHALL, ON AT LEAST A WEEKLY BASIS, PRIOR TO ANY PREDICTED RAIN EVENT AND AFTER ANY RUNOFF-PRODUCING RAIN EVENT, INSPECT THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES TO ENSURE THEIR PROPER FUNCTIONING.

ALL DRAINAGE STRUCTURES AND ANY OTHER REQUIRED UTILITY APPURTENANCES SHALL BE h. INSTALLED AS REQUIRED BY TOWN SPECIFICATIONS AND AS SHOWN ON THESE PLANS.

IF THE APPLICANT, DURING THE COURSE OF CONSTRUCTION, ENCOUNTERS SUCH CONDITIONS i. AS FLOOD AREAS, UNDERGROUND WATER, SOFT OR SILTY AREAS, IMPROPER DRAINAGE, OR ANY OTHER UNUSUAL CIRCUMSTANCES OR CONDITIONS THAT WERE NOT FORESEEN IN THE ORIGINAL PLANNING, HE SHALL REPORT SUCH CONDITIONS IMMEDIATELY TO THE TOWN ENGINEER. THE APPLICANT MAY SUBMIT, IF HE SO DESIRES, HIS RECOMMENDATIONS AS THE SPECIAL TREATMENT TO BE GIVEN SUCH AREAS TO SECURE ADEQUATE, PERMANENT AND SATISFACTORY CONSTRUCTION. THE TOWN ENGINEER, WITHOUT UNNECESSARY DELAY, SHALL INVESTIGATE THE CONDITION OR CONDITIONS, AND SHALL EITHER APPROVE THE APPLICANT'S RECOMMENDATION TO CORRECT THE CONDITIONS, ORDER A MODIFICATION THEREOF, OR ISSUE HIS OWN SPECIFICATION FOR THE CORRECTION OF THE CONDITIONS. IN THE EVENT OF THE APPLICANT'S DISAGREEMENT WITH THE DECISION OF THE TOWN ENGINEER, OR IN THE EVENT OF A SIGNIFICANT CHANGE RESULTING TO THE SITE PLAN OR ANY CHANGE THAT INVOLVES THE WETLANDS REGULATED AREAS, THE MATTER SHALL BE DECIDED BY THE PLANNING BOARD. ANY SUCH CONDITIONS OBSERVED BY THE PLANNING BOARD OR ITS AGENTS SHALL BE SIMILARLY TREATED.

## GROUNDING NOTES

### GROUND TESTING AFTER CONSTRUCTION:

- AFTER COMPLETION OF CONSTRUCTION OF THE CELL SITE GROUND SYSTEM, A POST INSTALLATION GROUND TEST SHALL BE PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE THE GROUND RESISTANCE FOR ALL SITES AFTER INSTALLATION OF THE EARTH GROUND SYSTEM. A PRELIMINARY EARTH RESISTIVITY TEST (3 POLE TEST OR CLAMP-ON-METER) SHALL BE PERFORMED PRIOR TO BACK FILLING ALL TRENCHES AS SPECIFIED IN VERIZON NETWORK STANDARDS (NSTD46) AND THE NATIONAL ELECTRIC CODE.
- APPROVED MEASUREMENT METHODS FOR POST INSTALLATION GROUND TESTING SHALL BE ONE OF THE FOLLOWING METHODS:
  - FALL OF POTENTIAL METHOD - 3 POINT
  - CLAMP-ON RESISTANCE TEST
  - TOWER AND EXTERNAL CONDUCTOR TEST
- A GROUNDING RESISTANCE TEST REPORT SHALL BE PREPARED UPON COMPLETION OF THE TESTING. THE TEST REPORT SHALL SHOW THE RESISTANCE IN OHMS AT 40%, 52%, 62%, 72% AND 82% POINTS IN 10% INTERVALS. RESISTANCE IS TO BE RECORDED AT EACH INTERVAL FOR EACH POINT FOR FOUR (4) DIFFERENT DIRECTIONS UNTIL THERE IS A PLATEAU SEEN AT THE 62% POINT. TESTING SHOULD BE COMPLETED IN A MINIMUM OF TWO (2) DIFFERENT DIRECTIONS AT 90 DEGREES APART. RECORD THE AVERAGE OR MEAN AS THE RESISTANCE OF THE SITE AND ENTER THIS ON THE POST RESISTANCE DATA CHART.
- PROVIDE THE POST INSTALLATION - GROUND RESISTANCE TEST REPORT TO THE REGIONAL PROJECT ENGINEER ACCOMPANIED BY THE POST RESISTANCE DATE CHART.
- ALL LUG CONNECTIONS & THEIR MATING SURFACES MUST BE CLEANED & LIGHTLY COATED WITH NON-OXIDIZING CONDUCTIVE GREASE OR APPROVED ALTERNATIVE COMPOUND. USE OF THE INCORRECT COMPOUND WILL DAMAGE THE LUG CONNECTION. PAINTED SURFACES MUST BE SCRAPPED, CLEANED & COATED WITH APPLICABLE NON-OXIDIZING CONDUCTIVE COMPOUNDS. USE OF APPROVED ANTI-OXIDATION COMPOUNDS ON ALL GROUND CONNECTIONS IS REQUIRED. COSMOLINE GREASE BASED COMPOUND (NO OX-ID) IS APPROVED FOR COPPER TO COPPER CONNECTIONS. ZINC BASED (GREY COLORED) COMPOUND IS USED FOR COPPER TO STEEL CONNECTIONS.

## ELECTRICAL INSTALLATION NOTES

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE LOCAL CODES.
- ALL ELECTRICAL EQUIPMENT AND ACCESSORIES SHALL BE U.L. APPROVED OR LISTED.
- CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.
- WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
- 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 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).
- PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
- POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION, STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE USE-2 CABLE (#14 AWG OR LARGER), 600 V, OIL RESISTANT RHW-2 OR XHHW-2, STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
- ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 90°C.
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC, AND NEC.
- ELECTRICAL METALLIC TUBING (EMT) OR RIGID METALLIC CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- ELECTRICAL METALLIC TUBING (EMT) OR RIGID METALLIC CONDUIT (RMC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- PVC SCHEDULE 40 CONDUIT SHALL BE USED UNDERGROUND EXCEPT IN AREAS OF VEHICULAR TRAFFIC. IN SUCH AREAS, PVC SCHEDULE 80 SHOULD BE USED.

## STEEL NOTES

- DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", LATEST EDITION.
- STRUCTURAL STEEL WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992. "STEEL FOR STRUCTURAL SHAPES FOR USE IN BUILDING FRAMING", GRADE 50, UNLESS OTHERWISE INDICATED. IF THE MEMBER SIZES INDICATED ARE NOT AVAILABLE IN THIS GRADE, ASTM A572 "HIGH-STRENGTH LOW-ALLOY COLUMBIUM-VANADIUM STRUCTURAL STEEL", GRADE 50, MAY BE SUBSTITUTED.
- STEEL PLATES, CHANNELS AND ANGLES SHALL CONFORM TO ASTM A36 "CARBON STRUCTURAL STEEL".
- ROUND AND SQUARE HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A500 "COLD-FORMED WELDED & SEAMLESS CARBON STEEL STRUCTURAL TUBING", GRADE B.
- STEEL PIPE SHALL CONFORM TO ASTM A500 "COLD-FORMED WELDED & SEAMLESS CARBON STEEL STRUCTURAL TUBING", GRADE B, OR ASTM A53 "PIPE, STEEL, BLACK AND HOT-DIPPED, ZINC-COATED WELDED AND SEAMLESS", TYPE E OR S, GRADE B.
- ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS OTHERWISE NOTED.
- STRUCTURAL CONNECTION BOLTS SHALL BE BOLTS CONFORMING TO ASTM A307 "CARBON STEEL BOLTS, STUDS, AND THREADED ROD, 60000 PSI TENSILE STRENGTH", UNLESS OTHERWISE NOTED. MATCHING NUTS SHALL BE HEX TYPE, CONFORMING TO ASTM A563, "CARBON AND ALLOY STEEL NUTS".

- ALL OUTDOOR EXPOSED CONDUIT SHALL BE PVC SCHEDULE 80 AND SHALL BE SUPPORTED ADEQUATELY.
- LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED. LFMC SHALL CONFORM TO NEC ARTICLE 350.
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEC, AND NEC.
- WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
- 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 NEMA 3R (OR BETTER) OUTDOORS.
- NON-METALLIC 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.
- CONTRACTOR SHALL APPLY FOR ELECTRICAL SERVICE AS SOON AS POSSIBLE AND COORDINATE REQUIREMENTS, SERVICE ROUTING, AND METER SOCKET TYPE WITH LOCAL POWER COMPANY.
- CONTRACTOR SHALL APPLY FOR TELEPHONE SERVICE AS SOON AS POSSIBLE AND COORDINATE REQUIREMENTS AND SERVICE ROUTING WITH TELEPHONE COMPANY.
- CONTRACTOR SHALL OBTAIN ALL PERMITS, PAY PERMIT FEES, AND SCHEDULE INSPECTIONS.
- CONTRACTOR SHALL LABEL ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC 110.16 AND 110.24.
- CONTRACTOR SHALL VERIFY THAT THE MAIN BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR IS INSTALLED PROPERLY AT SERVICE ENTRANCE.
- CONTRACTOR SHALL SEAL AROUND ALL CONDUIT PENETRATIONS THROUGH WALLS, FLOORS AND ROOFS TO PREVENT MOISTURE PENETRATION OR VERMIN INFESTATIONS.
- WHERE ELECTRICAL POWER IS TO BE SUB-FED FROM AN EXISTING DISTRIBUTION SYSTEM, THE FOLLOWING SHALL APPLY:
  - CONTRACTOR SHALL PERFORM LOAD TESTING TO DETERMINE MAXIMUM FEEDER DEMAND PER N.E.C. ARTICLE 220.
  - CONTRACTOR SHALL VERIFY WHETHER EXISTING FEEDER CAPACITY EXCEEDS VALUE CALCULATED PER N.E.C. ARTICLE 220.
  - EACH BRANCH CIRCUIT PROTECTIVE DEVICE SHALL HAVE SAME INTERRUPTING RATING AS EQUIPMENT SUPPLYING IT.
  - PREFERRED MEANS OF SUPPLY SHALL BE A BRANCH CIRCUIT PROTECTIVE DEVICE LOCATED IN EXISTING PANEL.
- DURING TRENCH BACK-FILLING FOR EACH UNDERGROUND ELECTRICAL, TELEPHONE, SIGNAL AND COMMUNICATIONS LINE, PROVIDE A CONTINUOUS UNDERGROUND WARNING TAPE TWELVE INCHES BELOW FINISHED GRADE.

1275 JOHN STREET, SUITE 100  
WEST HENRIETTA, NY 14586

TECTONIC SOLUTIONS. EXCEPTIONAL SERVICE.  
Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.  
Project Contact Info  
36 British American Blvd. Phone: (518) 783-1630  
Suite 101 (800) 829-6531  
Latham, NY 12110 www.tectonicengineering.com

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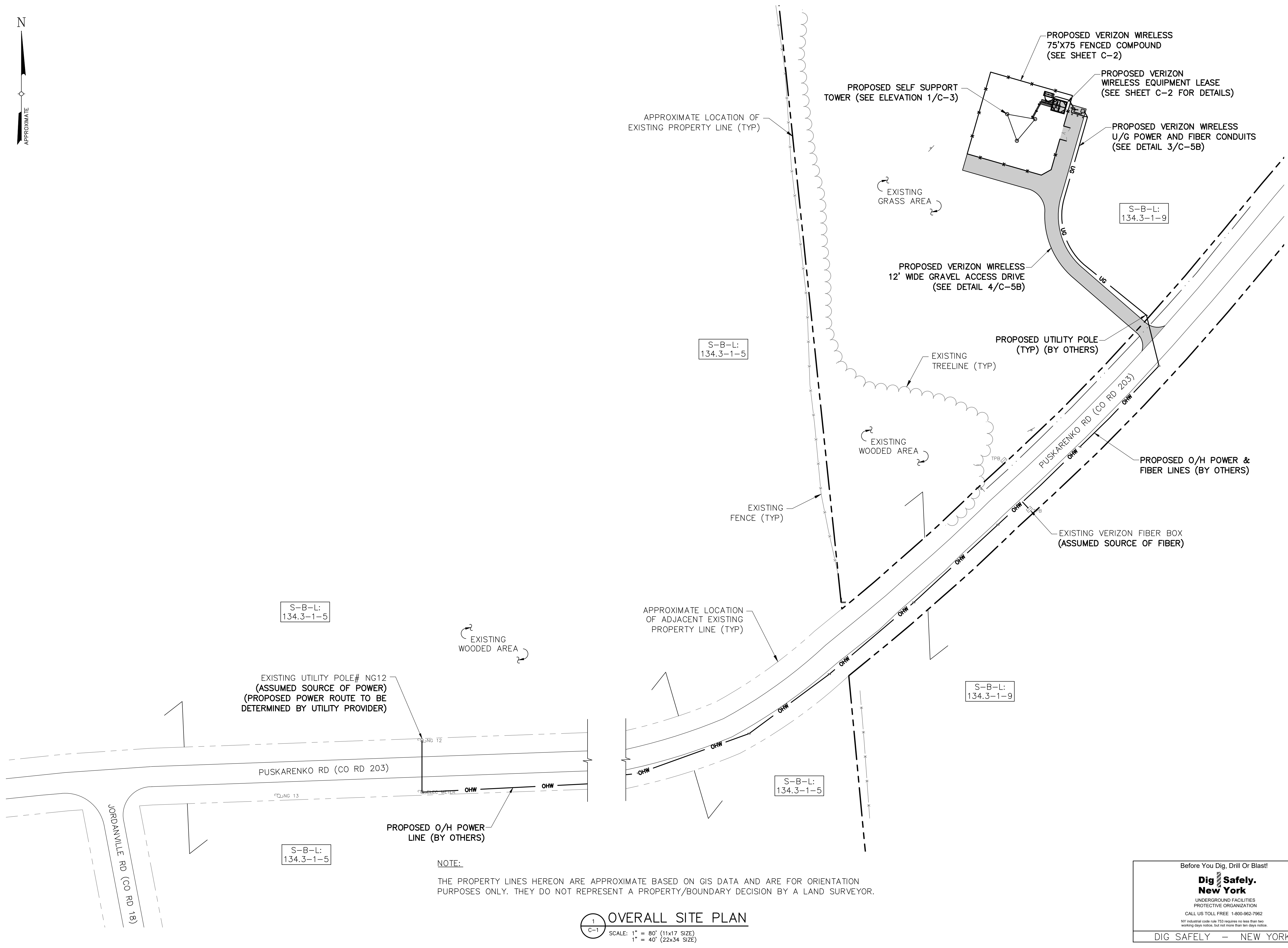
PUSKARENKO RD  
TOWN OF STARK  
HERKIMER COUNTY  
NY 13361

### SHEET TITLE

GENERAL NOTES

### SHEET NUMBER

GN-2



APPROXIMATE LOCATION OF EXISTING PROPERTY LINE (TYP)

PROPOSED SELF SUPPORT TOWER (SEE ELEVATION 1/C-3)

PROPOSED VERIZON WIRELESS 75'X75' FENCED COMPOUND (SEE SHEET C-2)

PROPOSED VERIZON WIRELESS EQUIPMENT LEASE (SEE SHEET C-2 FOR DETAILS)

PROPOSED VERIZON WIRELESS U/G POWER AND FIBER CONDUITS (SEE DETAIL 3/C-5B)

S-B-L: 134.3-1-9

PROPOSED VERIZON WIRELESS 12' WIDE GRAVEL ACCESS DRIVE (SEE DETAIL 4/C-5B)

PROPOSED UTILITY POLE (TYP) (BY OTHERS)

S-B-L: 134.3-1-5

EXISTING TREELINE (TYP)

EXISTING WOODED AREA

PROPOSED O/H POWER & FIBER LINES (BY OTHERS)

EXISTING FENCE (TYP)

EXISTING VERIZON FIBER BOX (ASSUMED SOURCE OF FIBER)

S-B-L: 134.3-1-5

EXISTING WOODED AREA

APPROXIMATE LOCATION OF ADJACENT EXISTING PROPERTY LINE (TYP)

EXISTING UTILITY POLE# NG12 (ASSUMED SOURCE OF POWER) (PROPOSED POWER ROUTE TO BE DETERMINED BY UTILITY PROVIDER)

S-B-L: 134.3-1-9

PROPOSED O/H POWER LINE (BY OTHERS)

S-B-L: 134.3-1-5

NOTE:

THE PROPERTY LINES HEREON ARE APPROXIMATE BASED ON GIS DATA AND ARE FOR ORIENTATION PURPOSES ONLY. THEY DO NOT REPRESENT A PROPERTY/BOUNDARY DECISION BY A LAND SURVEYOR.

1 OVERALL SITE PLAN  
C-1  
SCALE: 1" = 80' (11x17 SIZE)  
1" = 40' (22x34 SIZE)



1275 JOHN STREET, SUITE 100  
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NY 13361

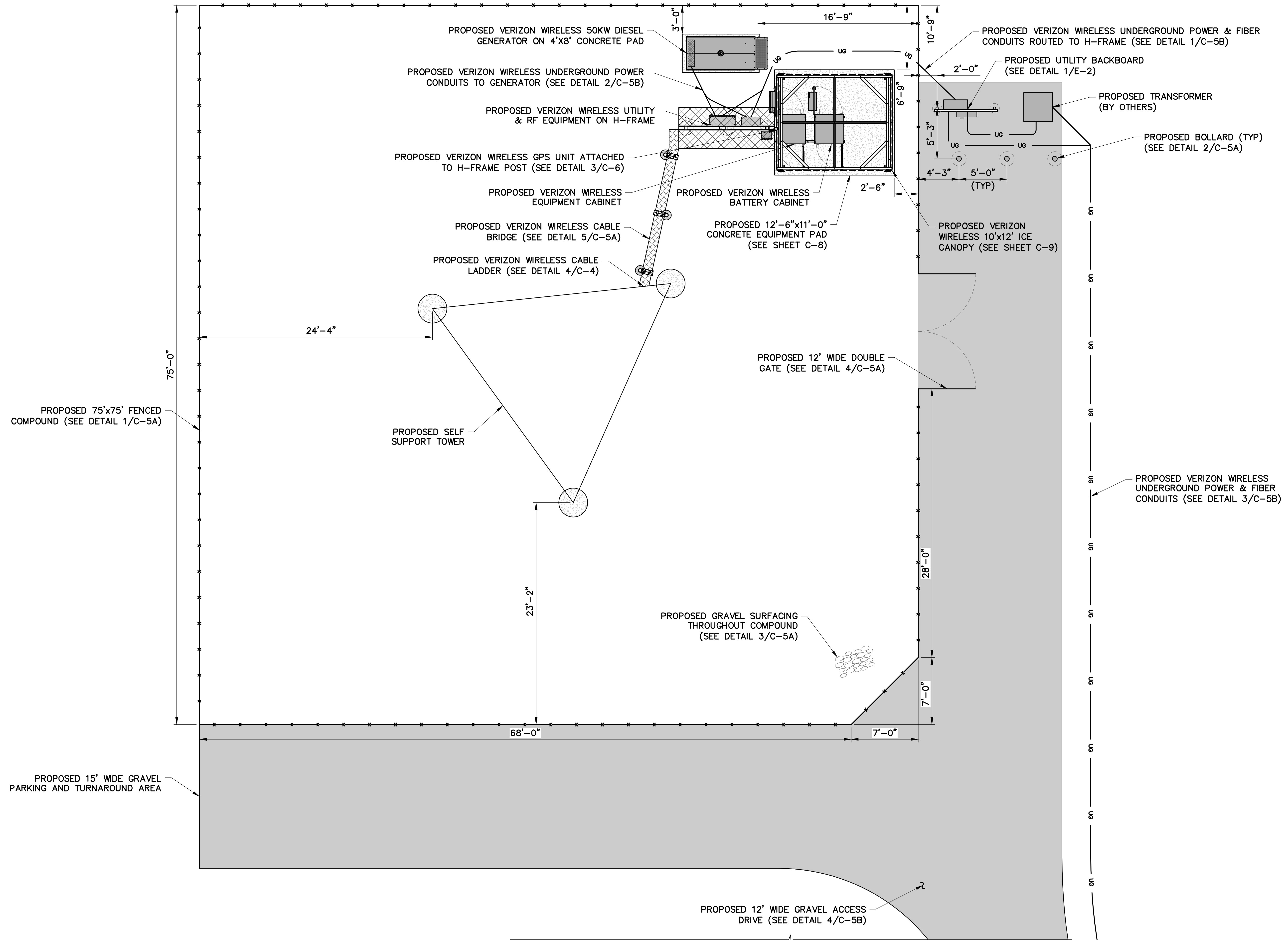
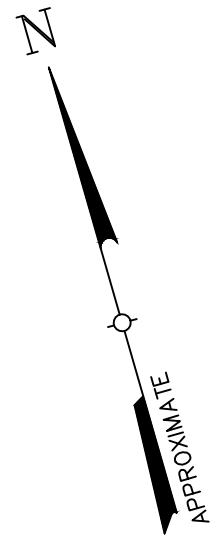
SHEET TITLE  
OVERALL SITE PLAN

SHEET NUMBER  
C-1

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**Dig Safely. New York.**  
UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION  
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Project Contact Info: 36 British American Blvd. Phone: (518) 783-1630  
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WORK ORDER NUMBER 11860.137 DRAWN BY TRR

NO. DATE ISSUE

0 5/10/24 FOR REGULATORY

1 6/5/24 UPDATED PER 1A

RELEASED BY DATE

PROPOSED VERIZON WIRELESS UNDERGROUND POWER & FIBER CONDUITS (SEE DETAIL 3/C-5B)



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ORIGINAL SIZE IN INCHES

SITE INFORMATION

VAN HORNESVILLE

FUZE ID#: 17302851

MDG#: 5000921062

SITE ADDRESS

PUSKARENKO RD

TOWN OF STARK

HERKIMER COUNTY

NY 13361

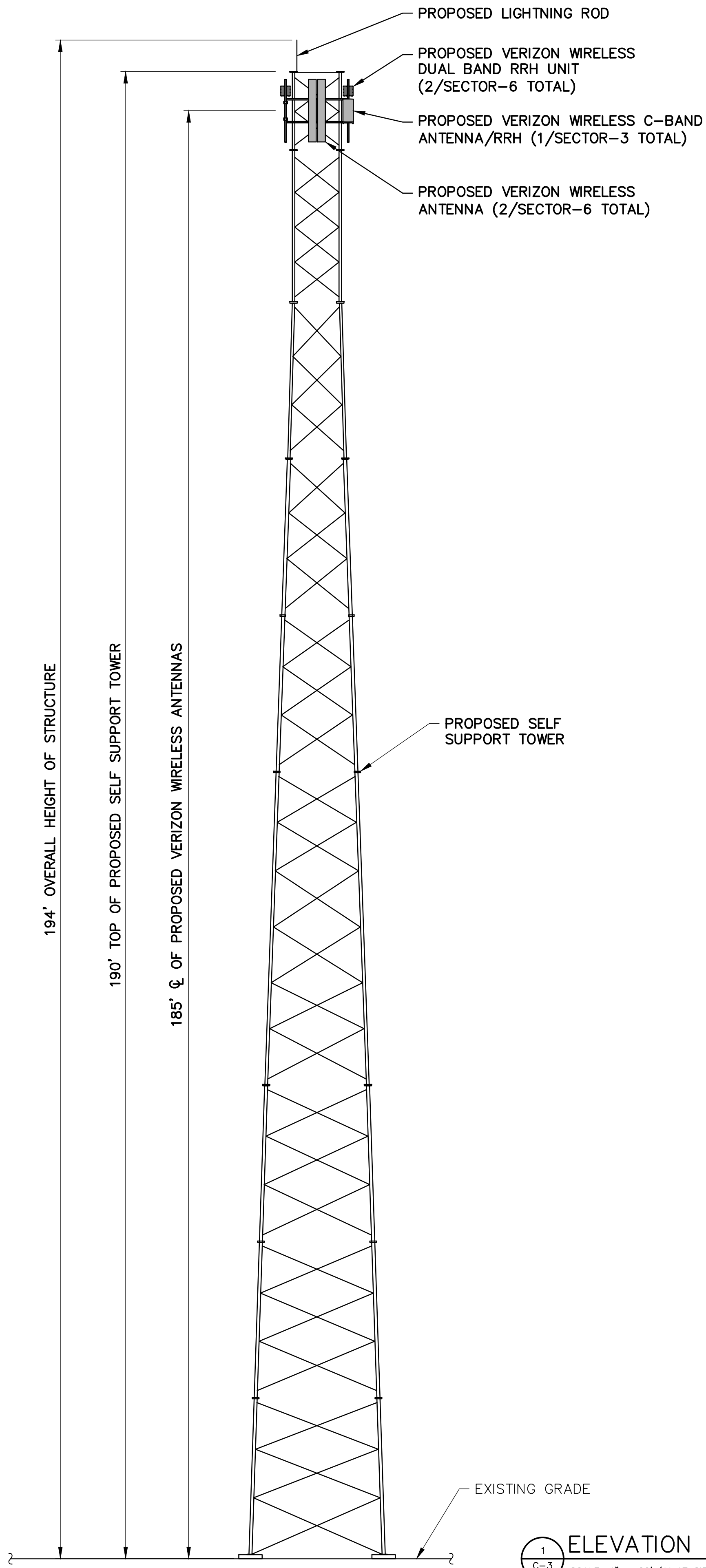
SHEET TITLE

SITE DETAIL PLAN

SHEET NUMBER

C-2

1 SITE DETAIL PLAN  
C-2 SCALE: 1" = 10' (11x17 SIZE)  
1" = 5' (22x34 SIZE)



NOTE:  
 ANTENNA AND HYBRID CABLE SCHEDULE  
 BASED ON AN RF ANTENNA DESIGN SHEET  
 DATED 4/15/24, FUZE PROJECT ID 17302851.

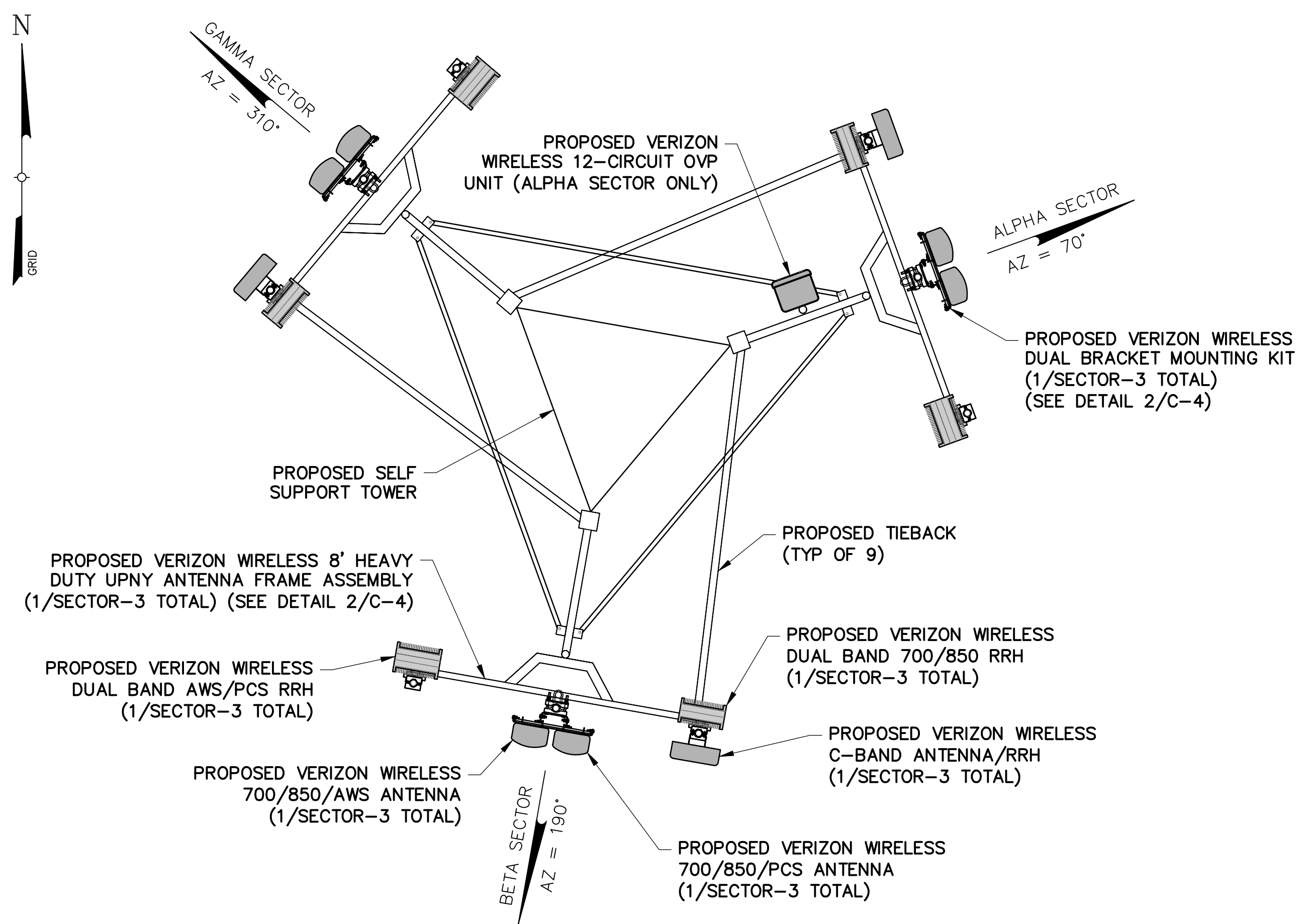
### ANTENNA AND CABLE SCHEDULE

SECTOR	STATUS	FREQUENCY	AZIMUTH (TRUE NORTH)	# OF ANTENNAS PER SECTOR	ANTENNA CL HEIGHT (AGL)	COAXIAL CABLE	# OF CABLES	CABLE LENGTH
ALPHA	PROPOSED	C-BAND	70°	1	185'	P/F CABLE FROM OVP		15'±
ALPHA	PROPOSED	700/850/PCS	70°	1	185'	JUMPERS FROM RRH'S		12'±
ALPHA	PROPOSED	700/850/AWS	70°	1	185'	JUMPERS FROM RRH'S		12'±
BETA	PROPOSED	C-BAND	190°	1	185'	P/F CABLE FROM OVP		25'±
BETA	PROPOSED	700/850/PCS	190°	1	185'	JUMPER FROM RRH'S		12'±
BETA	PROPOSED	700/850/AWS	190°	1	185'	JUMPER FROM RRH'S		12'±
GAMMA	PROPOSED	C-BAND	310°	1	185'	P/F CABLE FROM OVP		25'±
GAMMA	PROPOSED	700/850/PCS	310°	1	185'	JUMPER FROM RRH'S		12'±
GAMMA	PROPOSED	700/850/AWS	310°	1	185'	JUMPER FROM RRH'S		12'±

NOTE:  
 CONTRACTOR TO TAG HYBRID CABLE & JUMPERS AT BOTH ENDS WITH ANTENNA DESIGNATION AS PER COLOR CODING SHEET PROVIDED BY VERIZON WIRELESS AND AS DIRECTED BY VERIZON WIRELESS EQUIPMENT ENGINEER.

### RRH/OVP AND HYBRID SCHEDULE

SECTOR	STATUS	UNITS	# OF UNITS	CABLE TYPE	# OF CABLES	CABLE LENGTH
ALPHA	PROPOSED	6627 OVP	1	6X12 HYBRID CABLE	2	230'±
ALPHA	PROPOSED	700/850 RRH	1	POWER/FIBER CABLE FROM OVP	1	15'±
ALPHA	PROPOSED	AWS/PCS RRH	1	POWER/FIBER CABLE FROM OVP	1	15'±
BETA	PROPOSED	700/850 RRH	1	POWER/FIBER CABLE FROM OVP	1	25'±
BETA	PROPOSED	AWS/PCS RRH	1	POWER/FIBER CABLE FROM OVP	1	25'±
GAMMA	PROPOSED	700/850 RRH	1	POWER/FIBER CABLE FROM OVP	1	25'±
GAMMA	PROPOSED	AWS/PCS RRH	1	POWER/FIBER CABLE FROM OVP	1	25'±



1 ELEVATION  
 SCALE: 1" = 20' (11x17 SIZE)  
 1" = 10' (22x34 SIZE)

2 ANTENNA ORIENTATION  
 SCALE: 3/4" = 1'-0" (11x17 SIZE)  
 3/8" = 1'-0" (22x34 SIZE)



WORK ORDER NUMBER: 11860.137  
 DRAWN BY: TRR

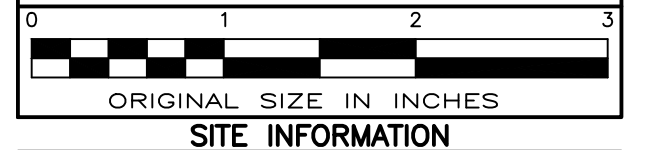
NO.	DATE	ISSUE
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1	6/5/24	UPDATED PER 1A

RELEASED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



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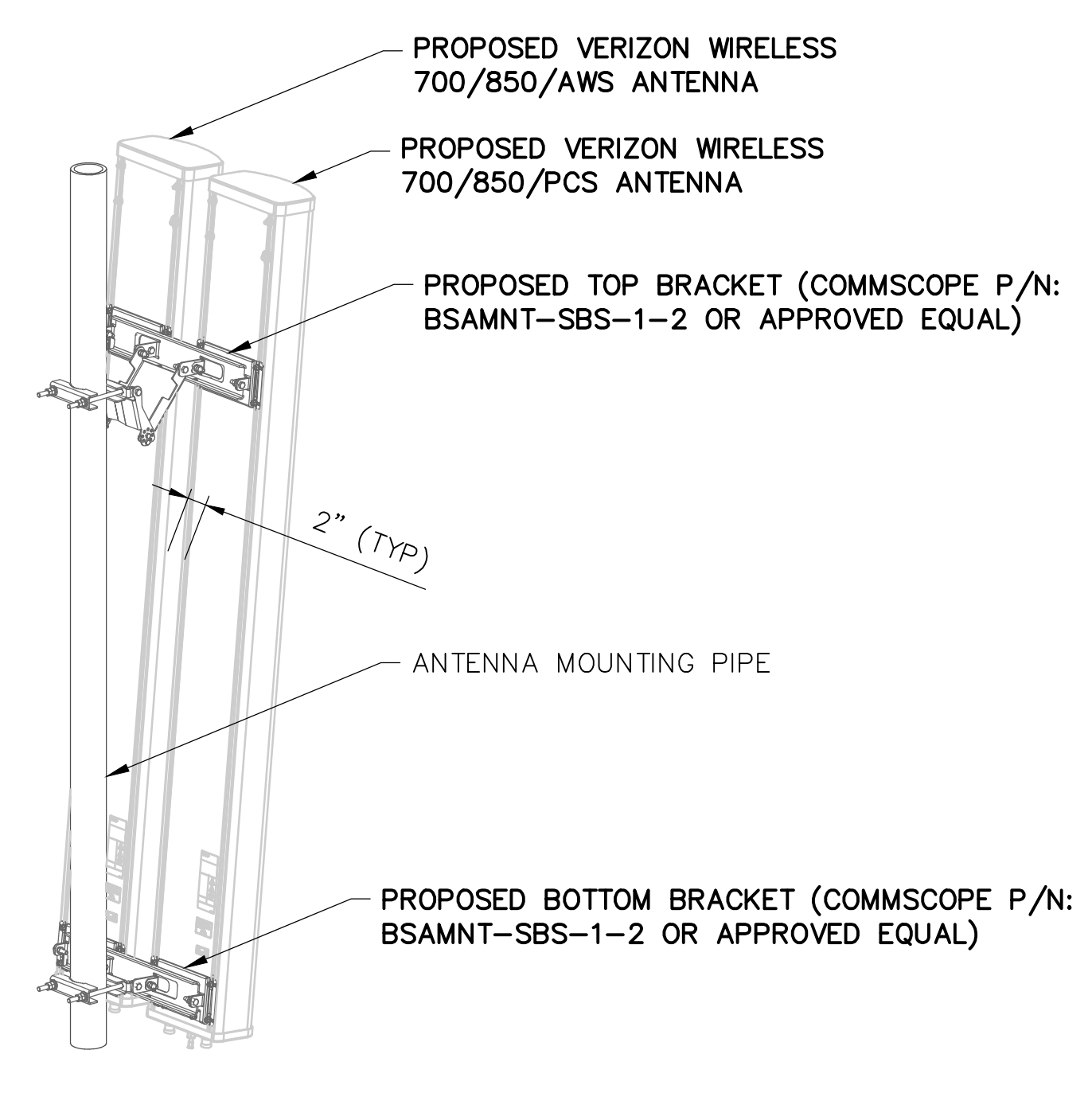
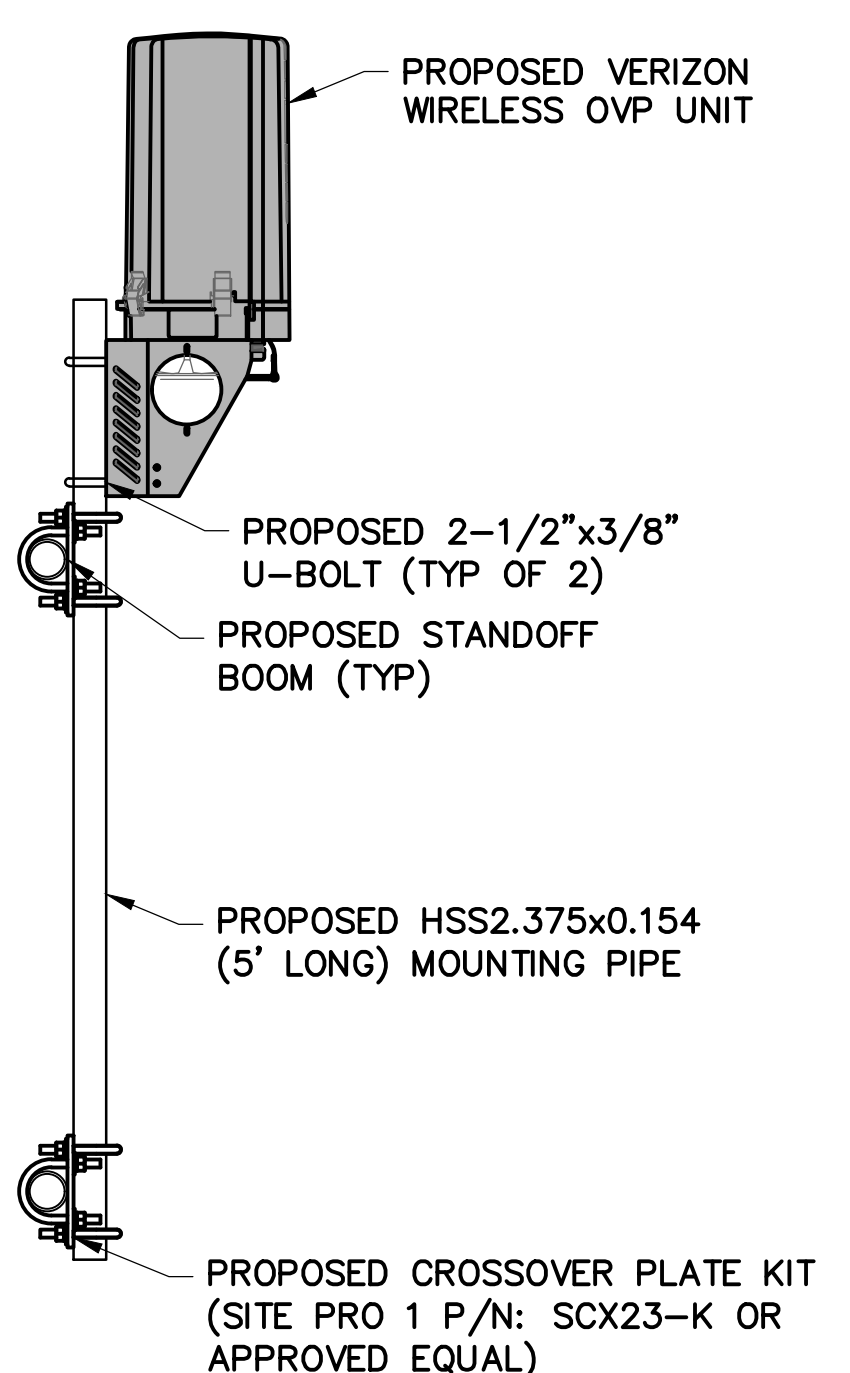
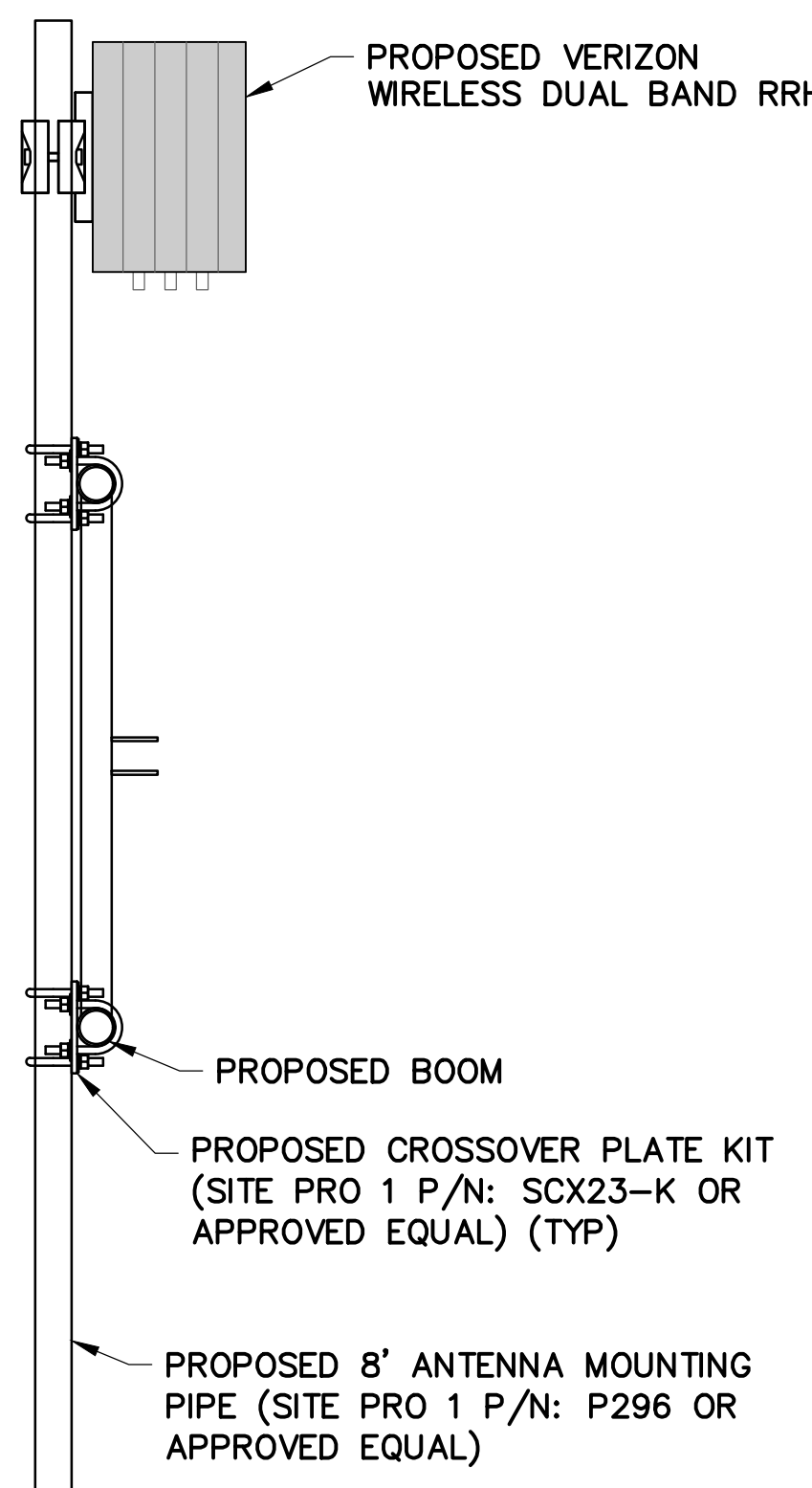
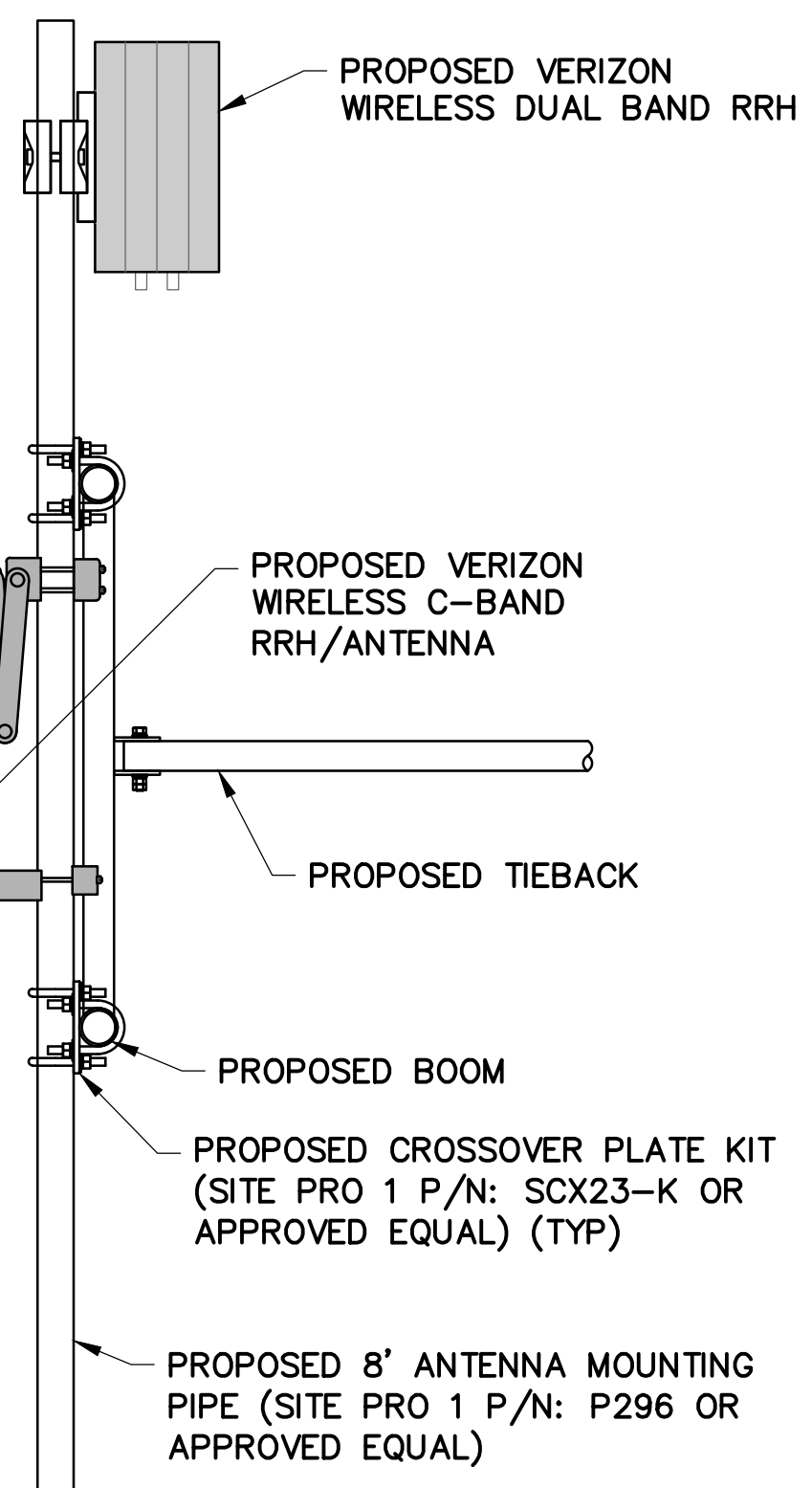
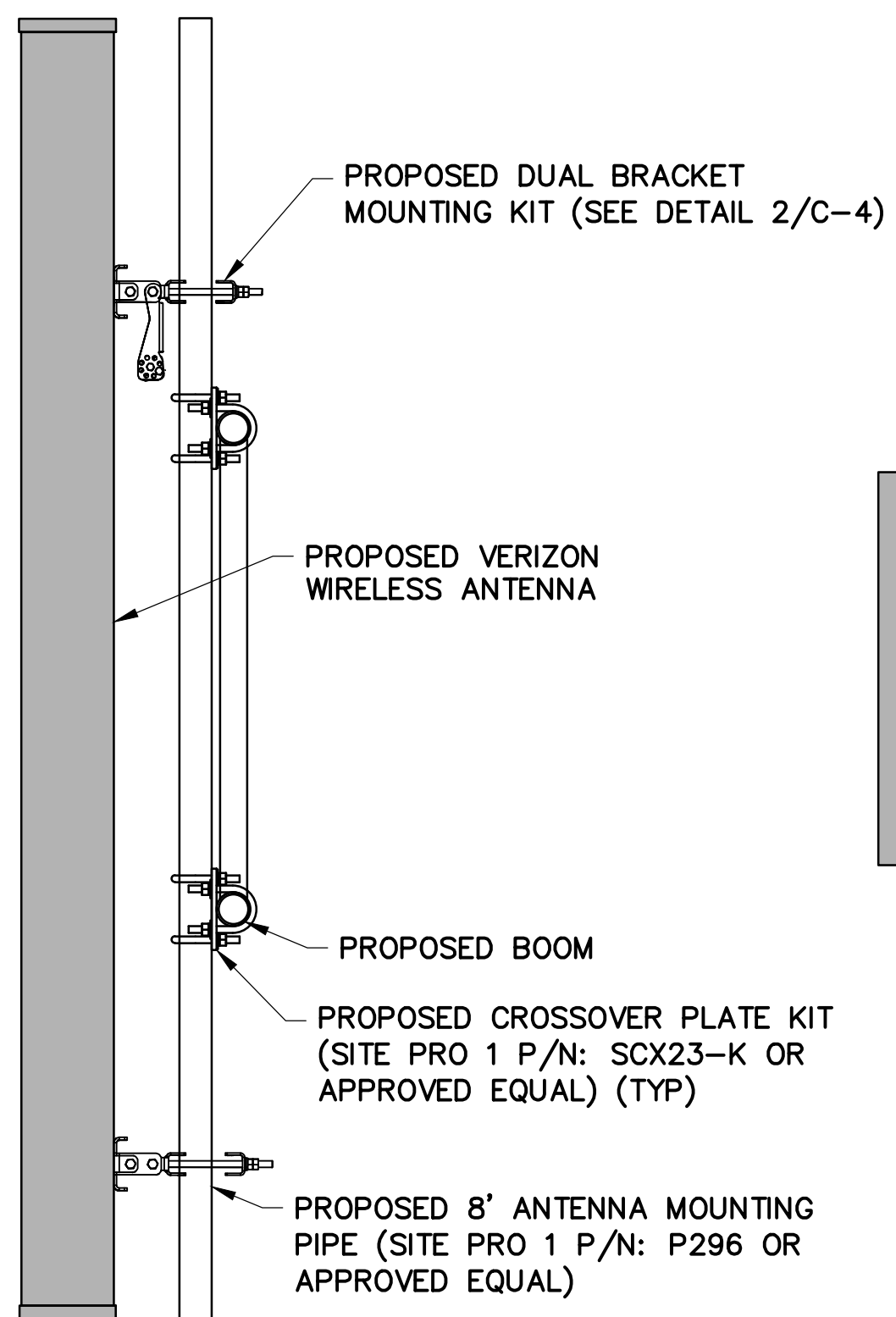


SITE INFORMATION  
 VAN HORNESVILLE  
 FUZE ID#: 17302851  
 MDG#: 5000921062

SITE ADDRESS  
 PUSKARENKO RD  
 TOWN OF STARK  
 HERKIMER COUNTY  
 NY 13361

SHEET TITLE  
 ELEVATION, ORIENTATION  
 PLAN & RF INFO

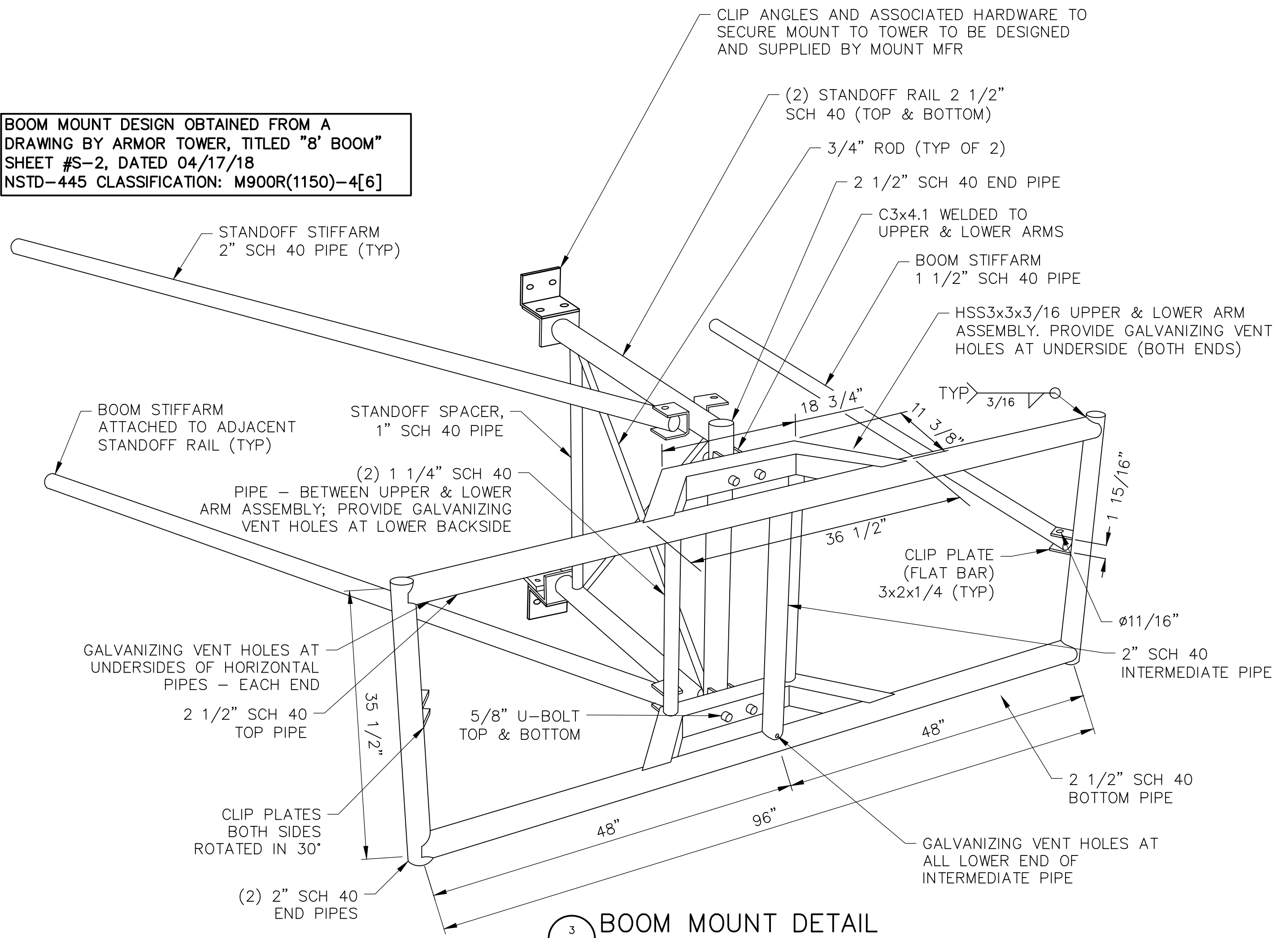
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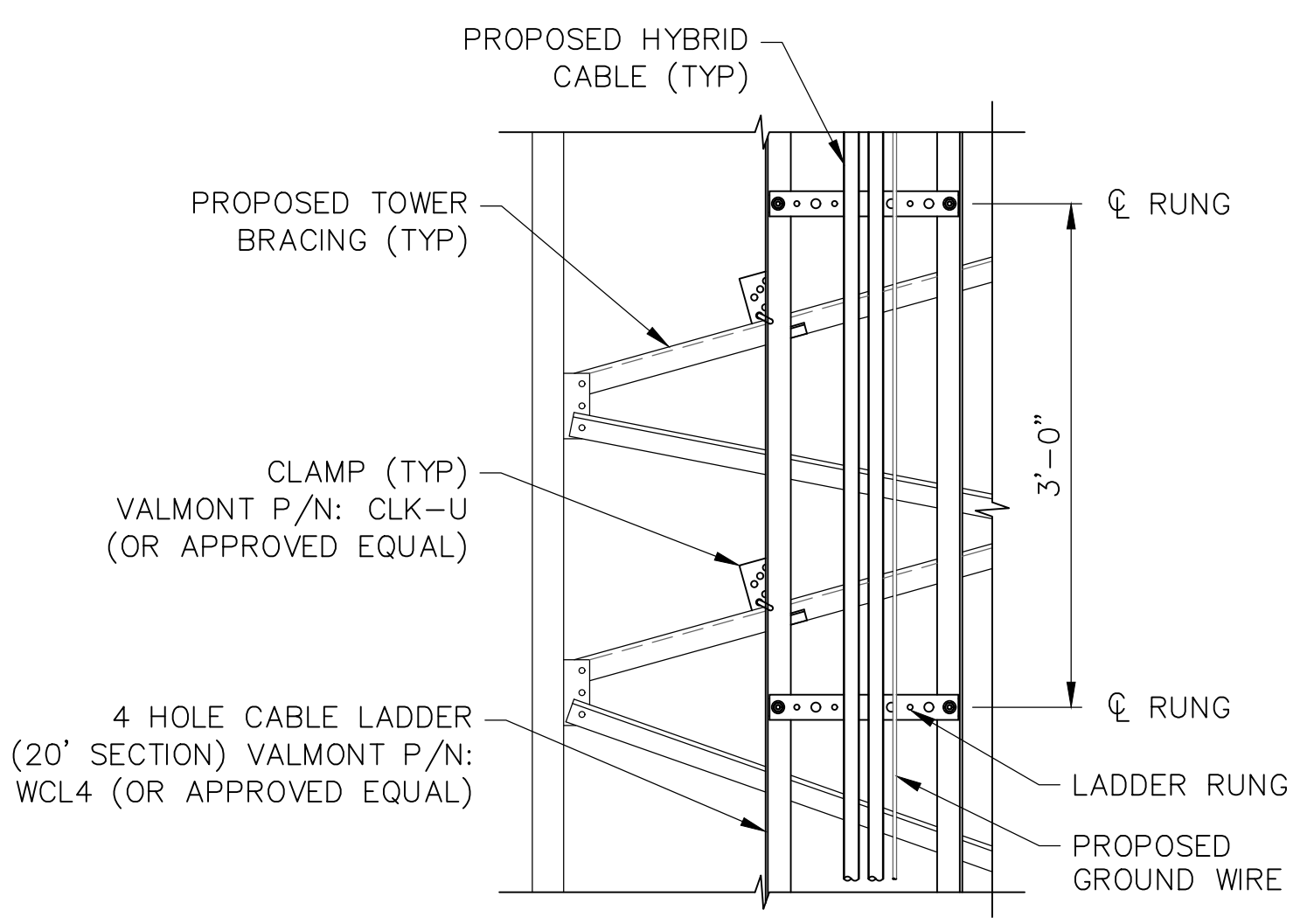
1 ANTENNA/RRH/OVP MOUNTING SECTION  
 SCALE: 1/2" = 1'-0" (11x17 SIZE)  
 1" = 1'-0" (22x34 SIZE)

2 DUAL BRACKET MOUNTING KIT  
 SCALE: NTS

BOOM MOUNT DESIGN OBTAINED FROM A DRAWING BY ARMOR TOWER, TITLED "8' BOOM" SHEET #S-2, DATED 04/17/18 NSTD-445 CLASSIFICATION: M900R(1150)-4[6]



3 BOOM MOUNT DETAIL  
 SCALE: NTS



4 CABLE LADDER  
 SCALE: 1/2" = 1'-0" (11x17 SIZE)  
 1" = 1'-0" (22x34 SIZE)



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ORIGINAL SIZE IN INCHES

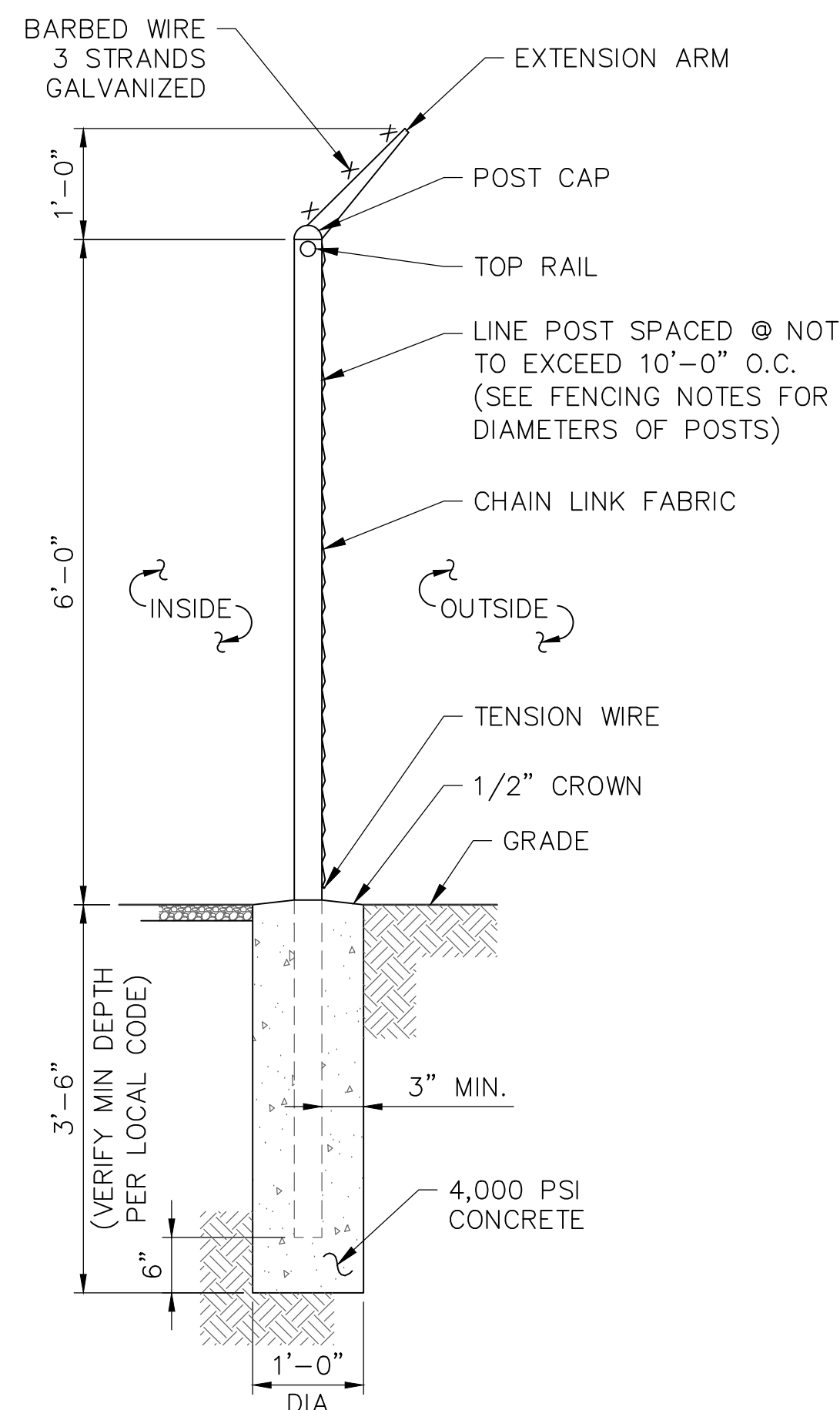
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 VAN HORNESVILLE  
 FUZE ID#: 17302851  
 MDG#: 5000921062

SITE ADDRESS  
 PUSKARENKO RD  
 TOWN OF STARK  
 HERKIMER COUNTY  
 NY 13361

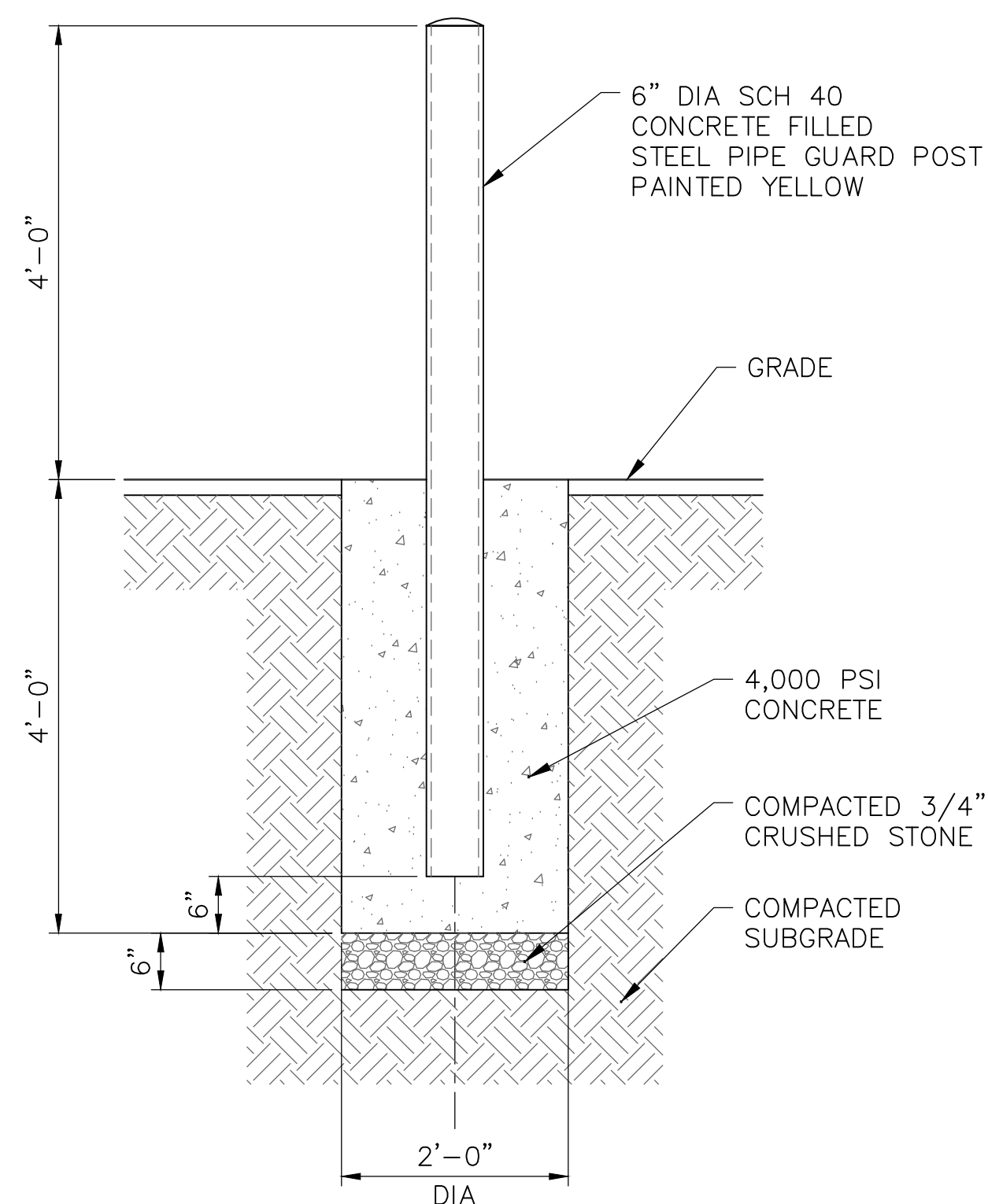
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 DETAILS

SHEET NUMBER

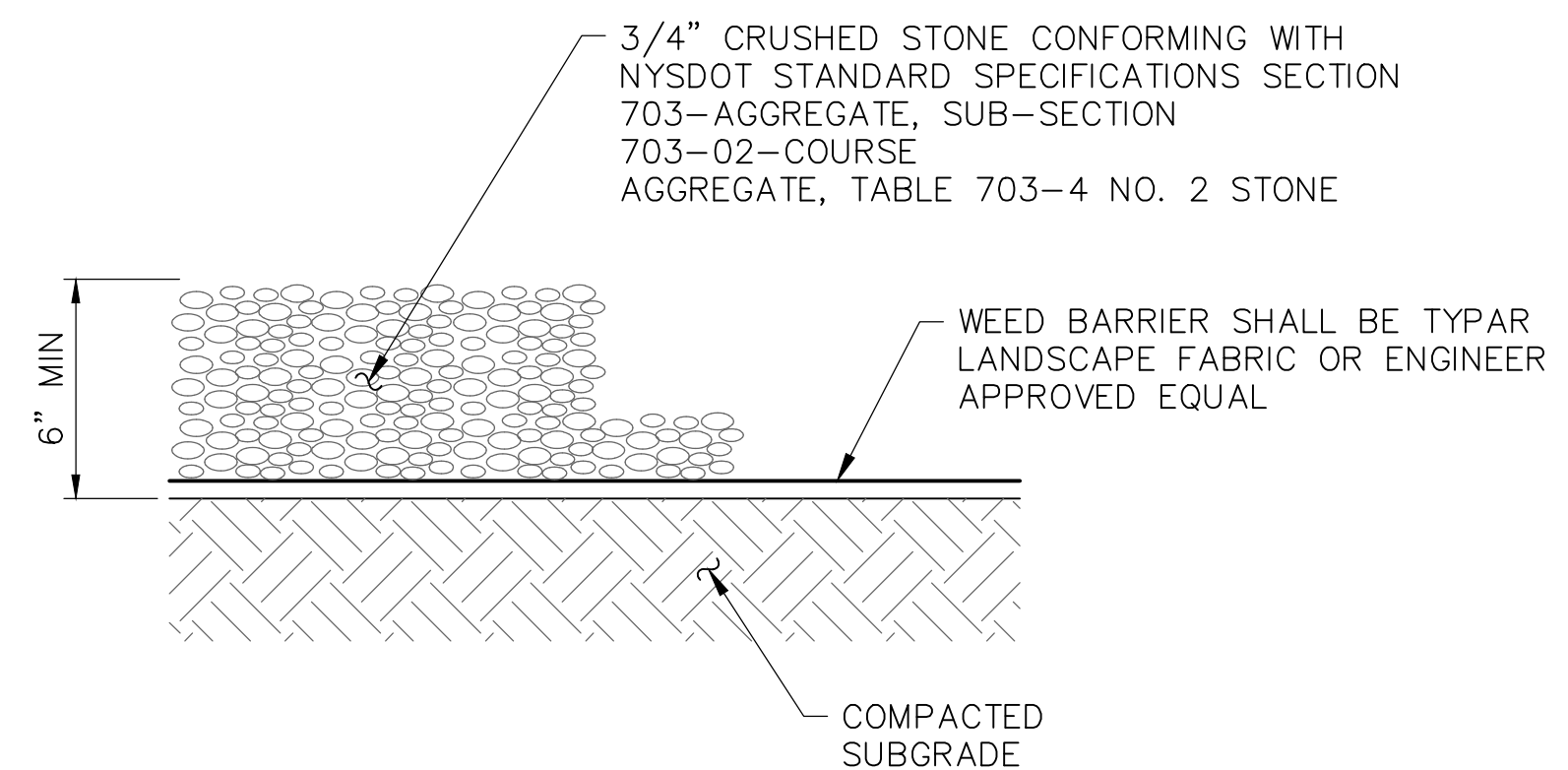
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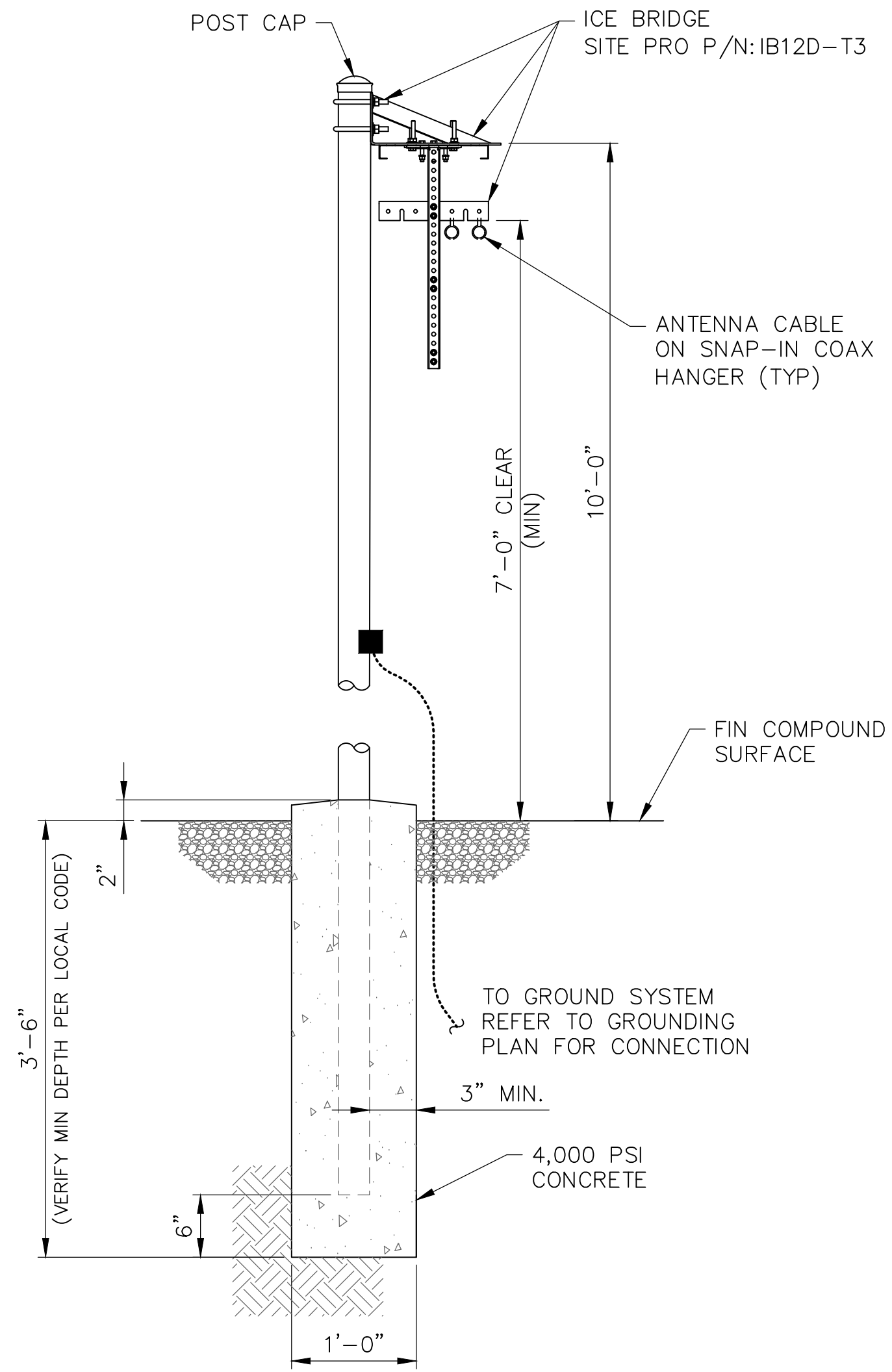
**1 FENCE DETAIL**  
 SCALE: 3/8" = 1'-0" (11x17 SIZE)  
 3/4" = 1'-0" (22x34 SIZE)



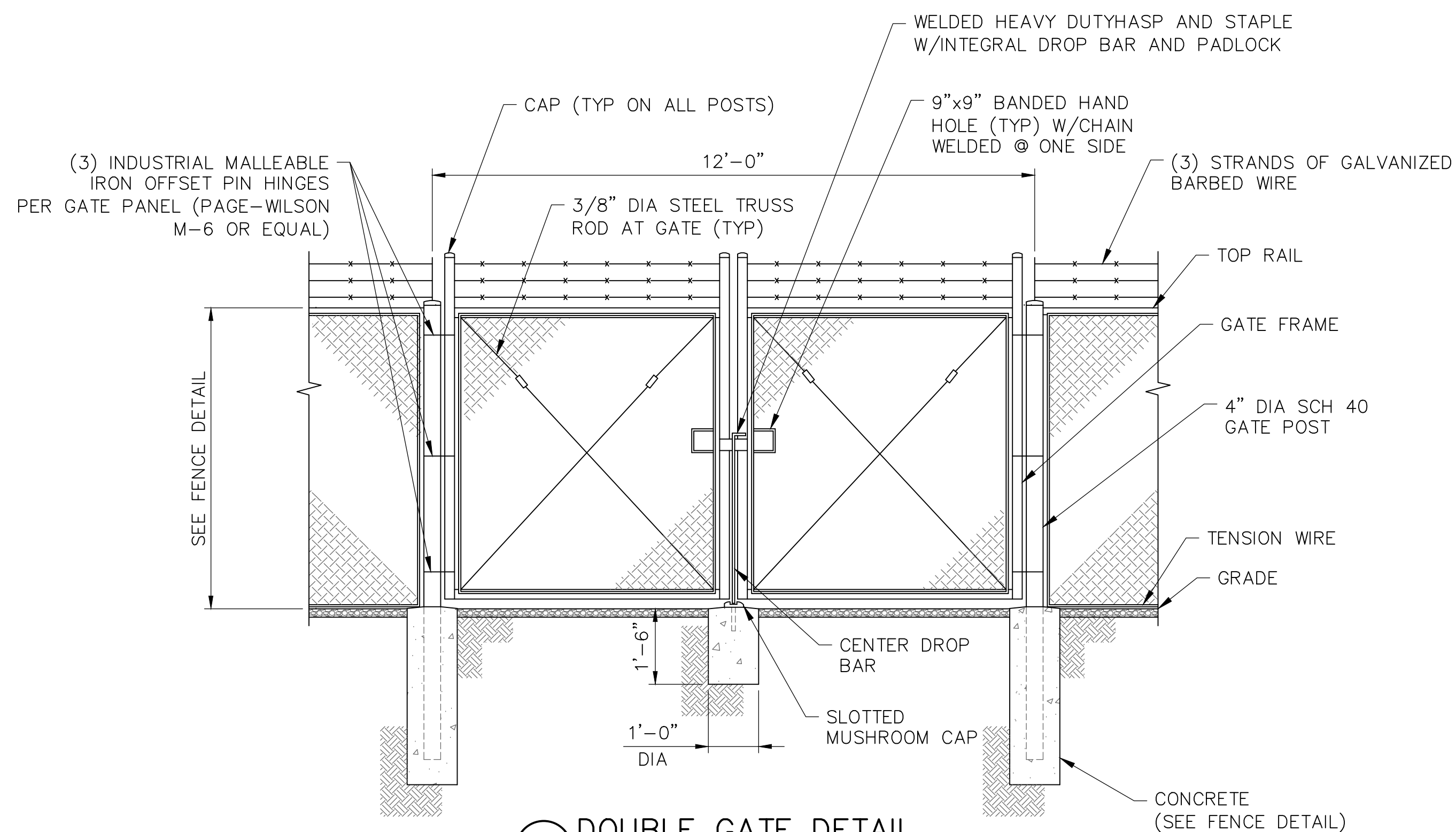
**2 BOLLARD DETAIL**  
 SCALE: 3/8" = 1'-0" (11x17 SIZE)  
 3/4" = 1'-0" (22x34 SIZE)



**3 GRAVEL SURFACING TREATMENT**  
 SCALE: 1/2" = 1'-0" (11x17 SIZE)  
 1 1/2" = 1'-0" (22x34 SIZE)



**5 CABLE BRIDGE DETAIL**  
 SCALE: 1/2" = 1'-0" (11x17 SIZE)  
 1" = 1'-0" (22x34 SIZE)



**4 DOUBLE GATE DETAIL**  
 SCALE: 1/4" = 1'-0" (11x17 SIZE)  
 1/2" = 1'-0" (22x34 SIZE)

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ORIGINAL SIZE IN INCHES

SITE INFORMATION

VAN HORNESVILLE  
 FUZE ID#: 17302851  
 MDG#: 5000921062

SITE ADDRESS

PUSKARENKO RD  
 TOWN OF STARK  
 HERKIMER COUNTY  
 NY 13361

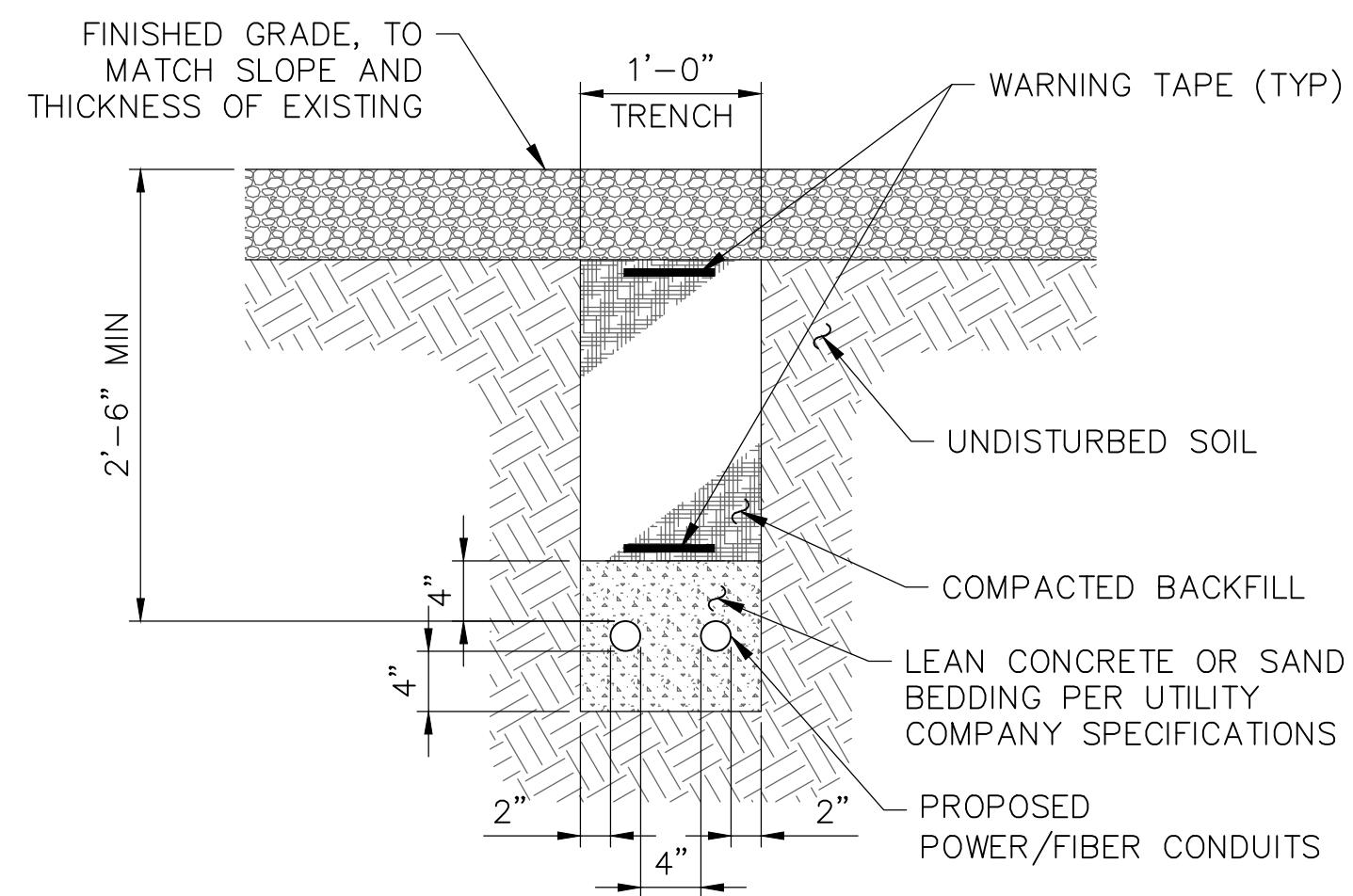
SHEET TITLE

SITE DETAILS

SHEET NUMBER

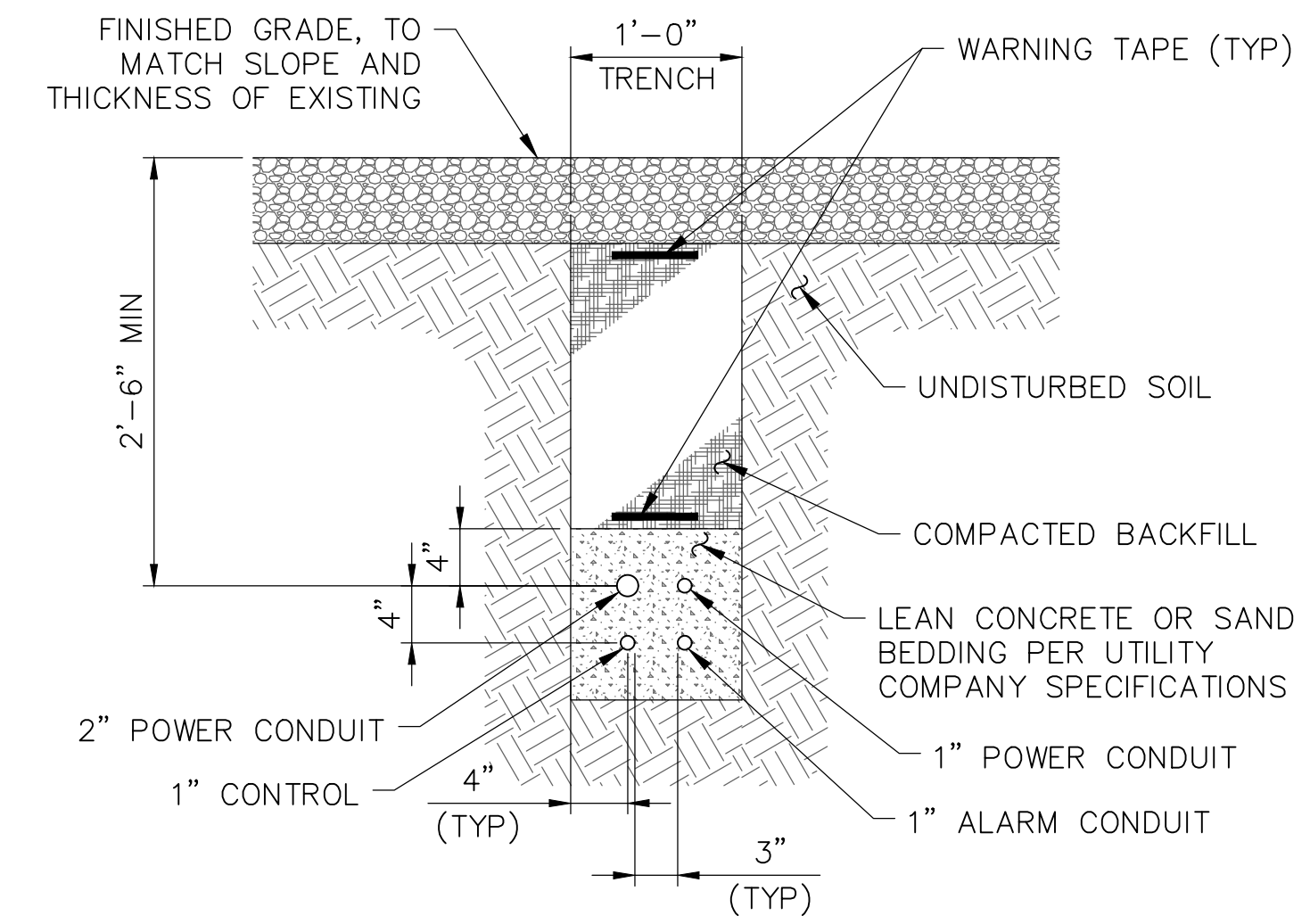
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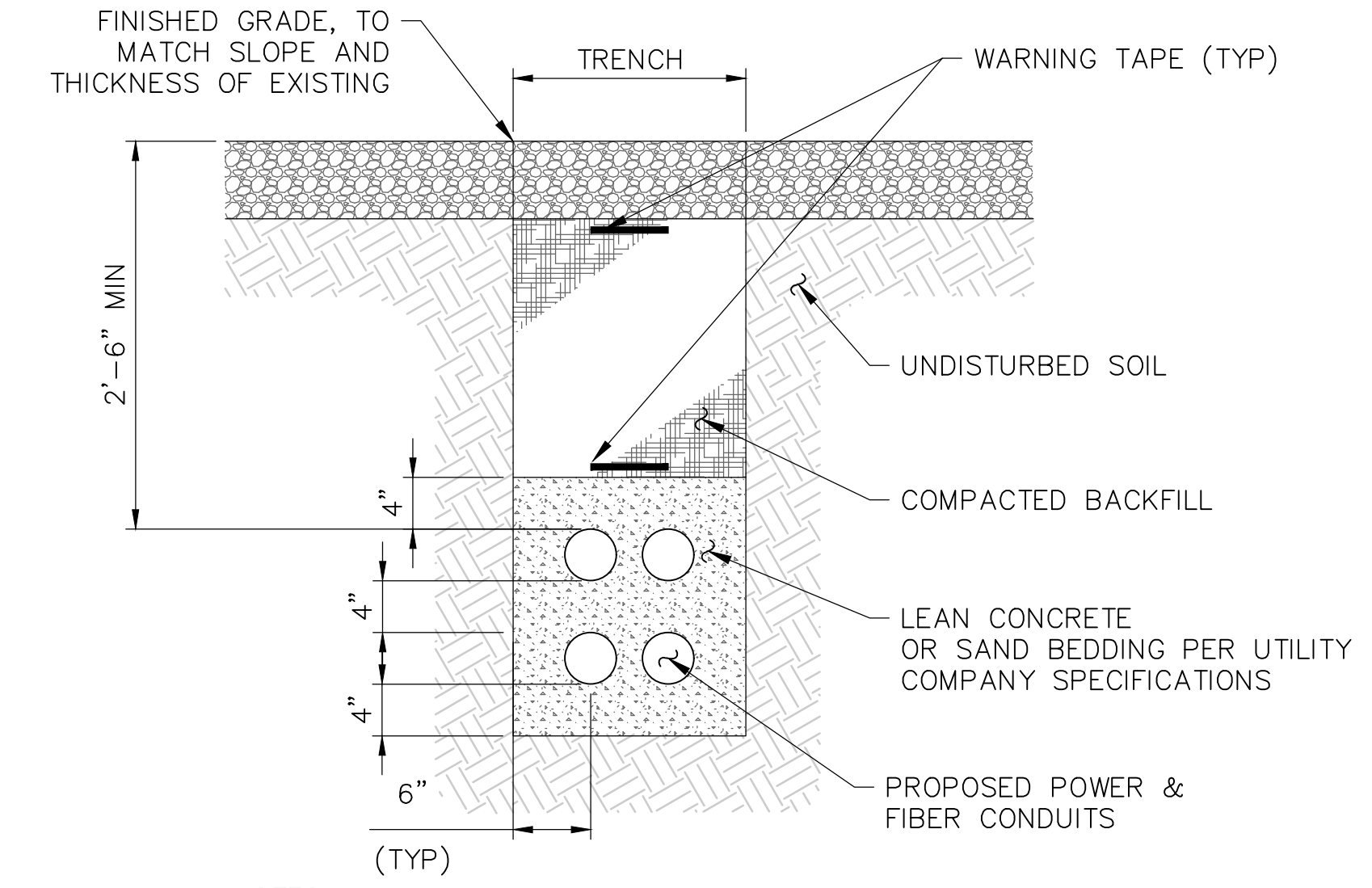
- NOTES:
1. BACKFILL SHALL BE CLEAN FILL WITHOUT STONES AND SHALL BE THOROUGHLY COMPACTED IN 12" LAYERS BY TAMPING OR APPROVED EQUAL METHOD. NO BELLING OF TRENCH SHALL BE ALLOWED.
  2. SCH 40 PVC CONDUIT SHALL BE USED BELOW GRADE.
  3. SCH 80 PVC CONDUIT SHALL BE USED UNDER ROADWAY.

**1 VERIZON POWER/FIBER TRENCH DETAIL**  
 SCALE: 1/2" = 1'-0" (11x17 SIZE)  
 1" = 1'-0" (22x34 SIZE)



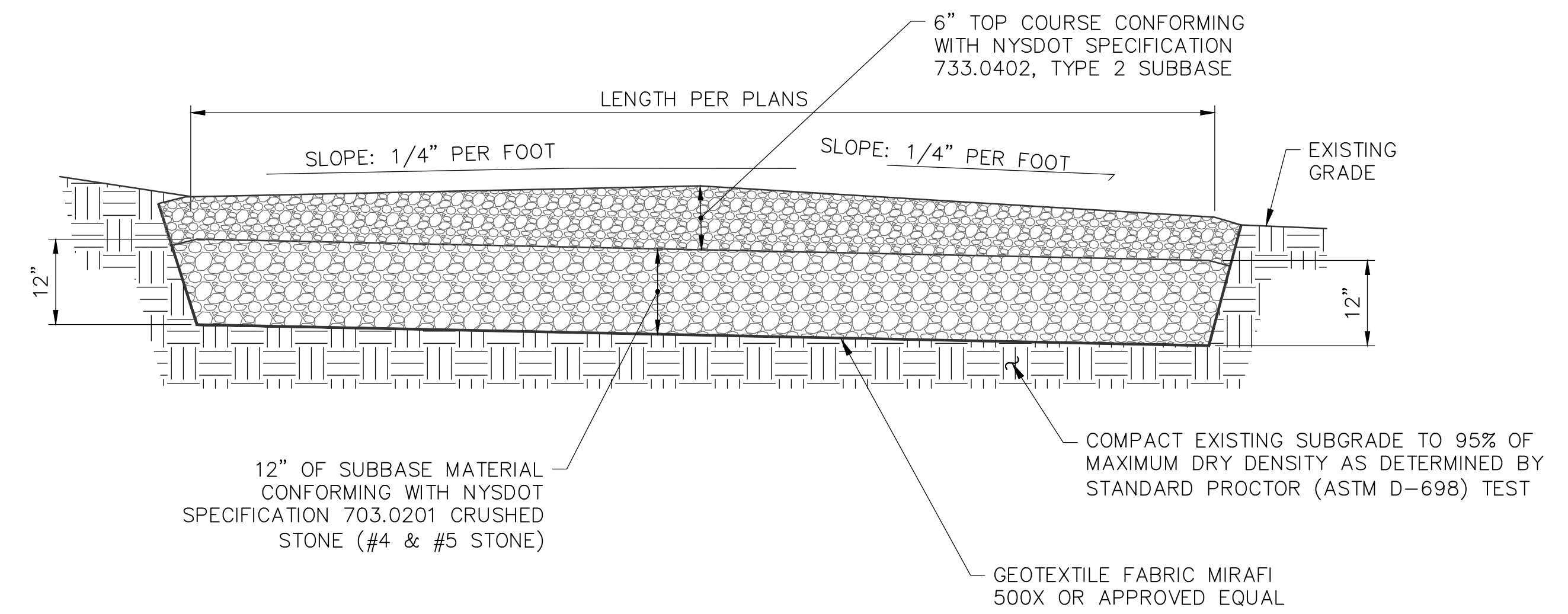
- NOTES:
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  2. SCH 40 PVC CONDUIT SHALL BE USED BELOW GRADE.
  3. SCH 80 PVC CONDUIT SHALL BE USED UNDER ROADWAY.

**2 GENERATOR TRENCH DETAIL**  
 SCALE: 1/2" = 1'-0" (11x17 SIZE)  
 1" = 1'-0" (22x34 SIZE)



- NOTES:
1. BACKFILL SHALL BE CLEAN FILL WITHOUT STONES AND SHALL BE THOROUGHLY COMPACTED IN 12" LAYERS BY TAMPING OR APPROVED EQUAL METHOD. NO BELLING OF TRENCH SHALL BE ALLOWED.
  2. SCH 40 PVC CONDUIT SHALL BE USED BELOW GRADE.
  3. SCH 80 PVC CONDUIT SHALL BE USED UNDER ROADWAY.

**3 MAIN ELECTRIC/FIBER UTILITY TRENCH DETAIL**  
 SCALE: 1/2" = 1'-0" (11x17 SIZE)  
 1" = 1'-0" (22x34 SIZE)



**EARTH WORK SUBGRADE COMPACTION & SELECT GRANULAR FILL**

1. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING & GRUBBING THE CONSTRUCTION SITE AND ROADWAY AREAS. THE CONTRACTOR SHALL COMPLY WITH THE RECOMMENDATIONS CONTAINED WITHIN THE GEOTECHNICAL REPORT, AS PREPARED FOR THIS SITE, WHEN NECESSARY, FOR SITE WORK PREPARATION, & FOUNDATION WORK. AS A MINIMUM THE TOP 3" OF GRADE SHALL BE REMOVED, THE EXPOSED SUBGRADE COMPACTED AND GEOTEXTILE FABRIC INSTALLED AS REQUIRED FOR UNSTABLE SOIL CONDITION.
2. ALL SELECT GRANULAR FILL SHALL BE COMPACTED TO A 95% COMPACTION AT A MAXIMUM DRY DENSITY AS DETERMINED BY MODIFIED PROCTOR TEST (ASTM D-1557) AND WITHIN PLUS OR MINUS 3% OF OPTIMUM MOISTURE CONTENT.
3. CONTRACTOR TO ASSURE THAT EXISTING DRAINAGE PATTERNS ARE MAINTAINED.

**4 GRAVEL DRIVE CROSS SECTION**  
 SCALE: 3/8" = 1'-0" (11x17 SIZE)  
 3/4" = 1'-0" (22x34 SIZE)



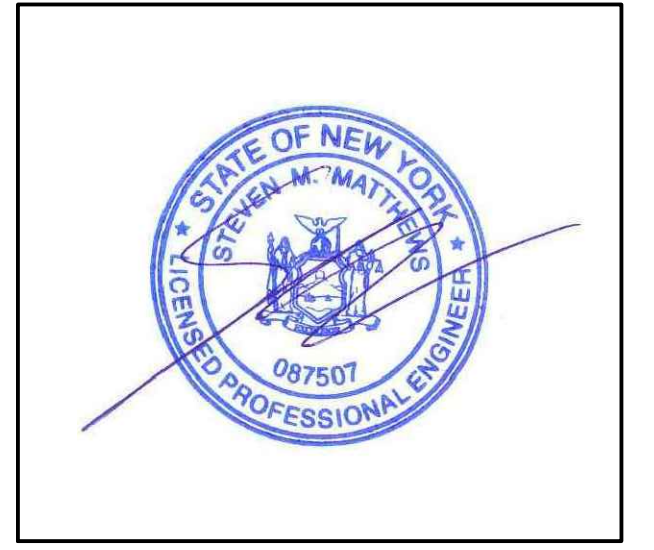
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ORIGINAL SIZE IN INCHES

**SITE INFORMATION**  
 VAN HORNESVILLE  
 FUZE ID#: 17302851  
 MDG#: 5000921062

**SITE ADDRESS**  
 PUSKARENKO RD  
 TOWN OF STARK  
 HERKIMER COUNTY  
 NY 13361

**SHEET TITLE**  
 SITE DETAILS

**SHEET NUMBER**

**C-5B**

WORK ORDER NUMBER	11860.137	DRAWN BY	TRR
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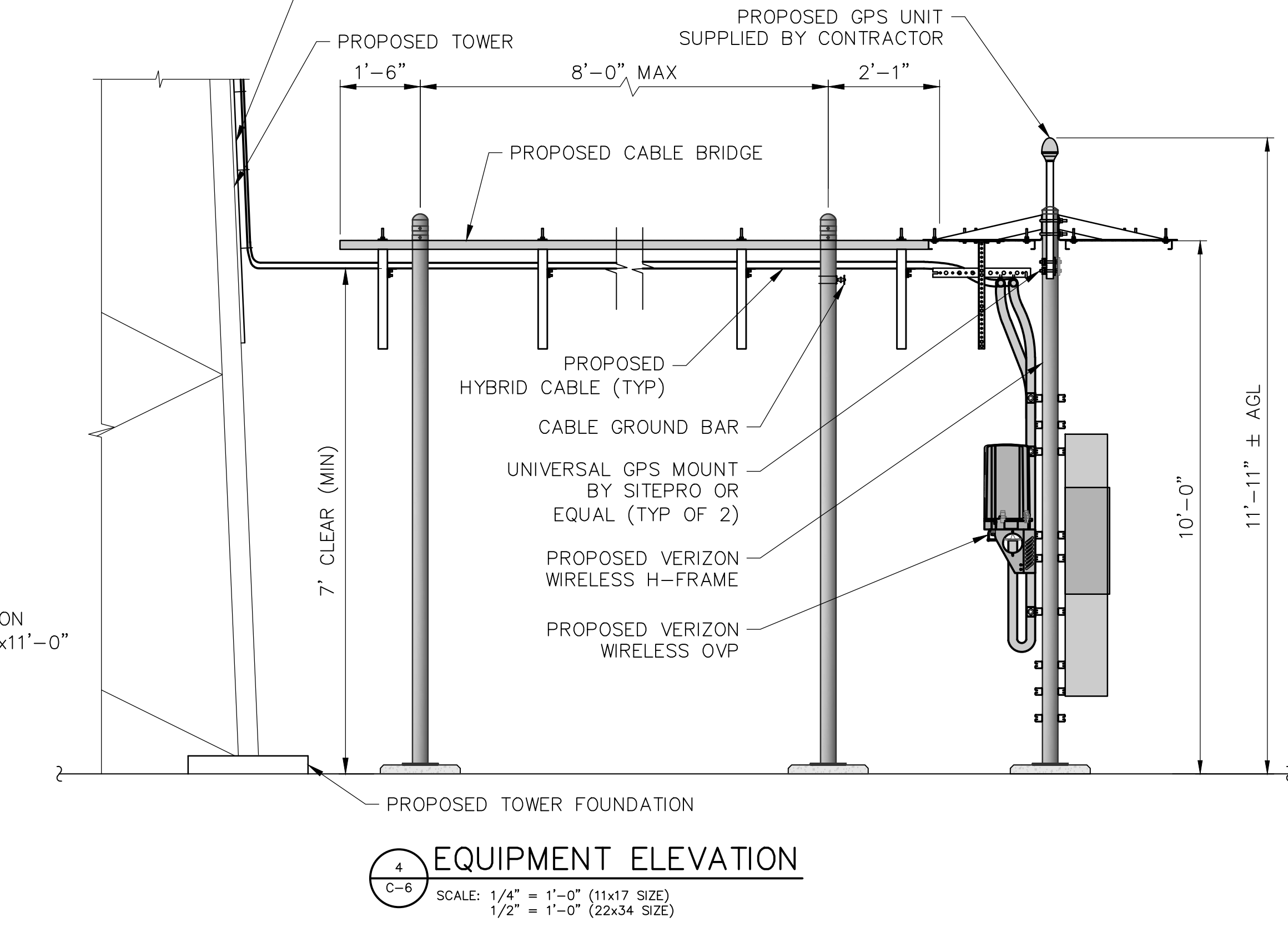
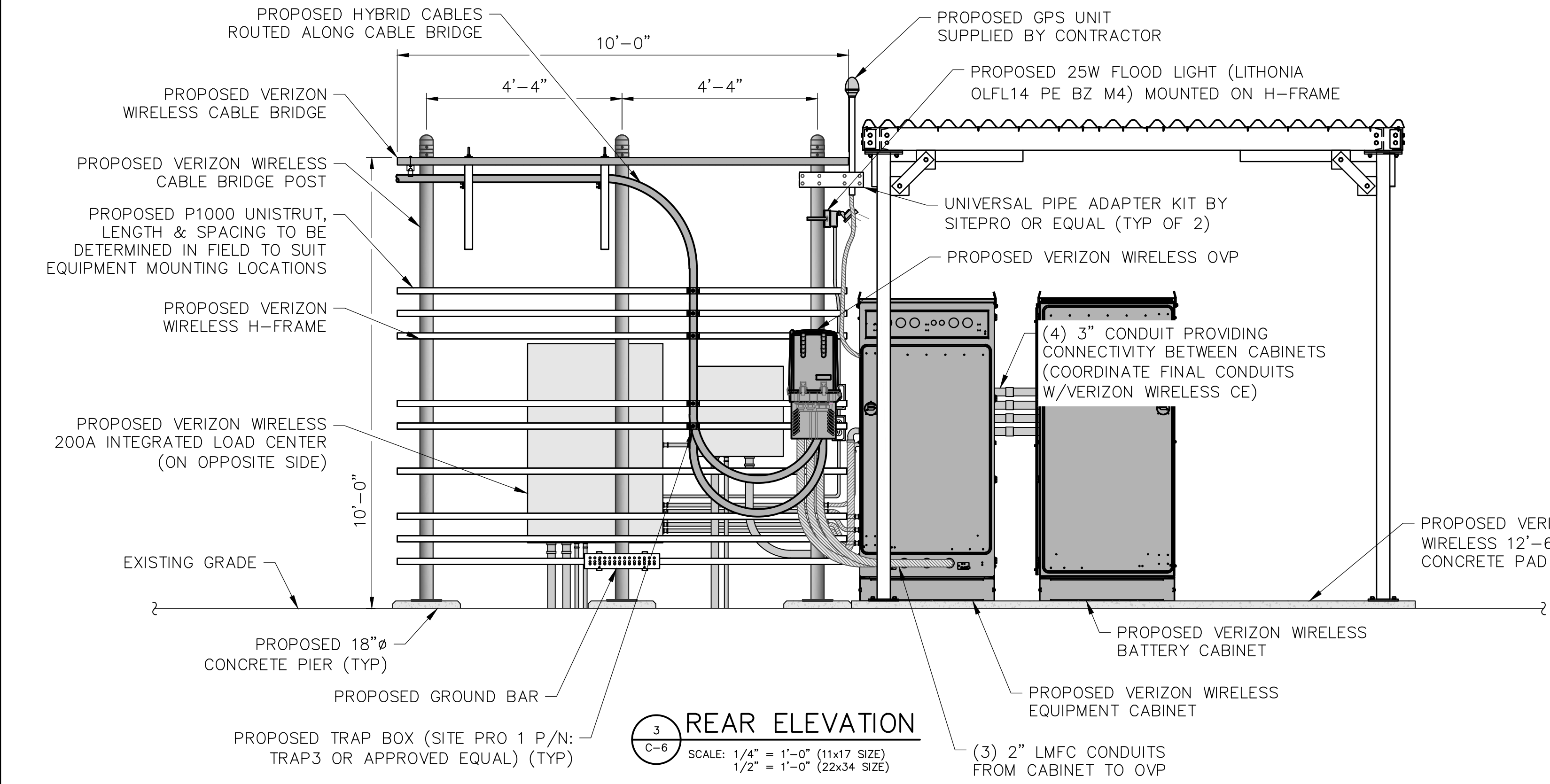
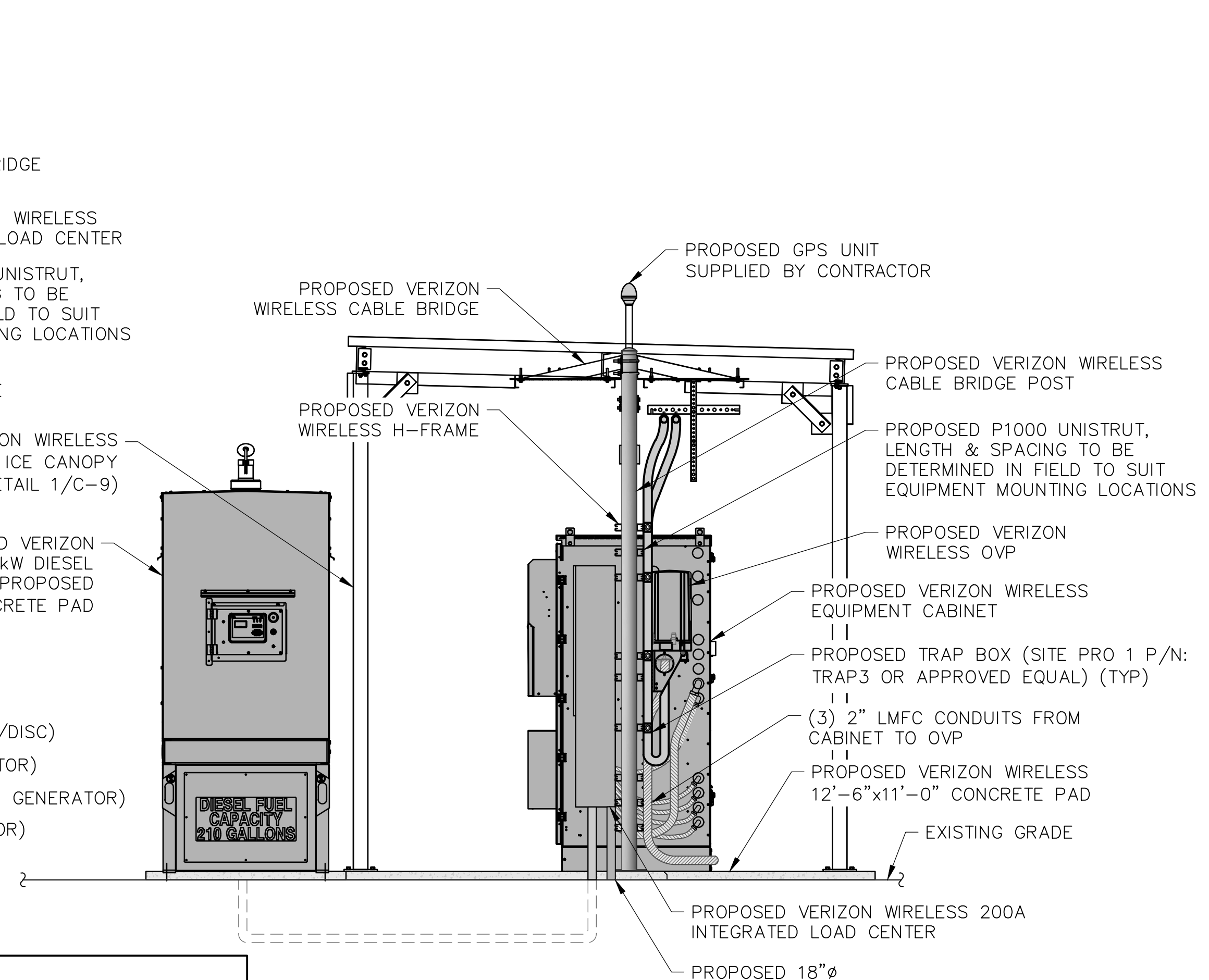
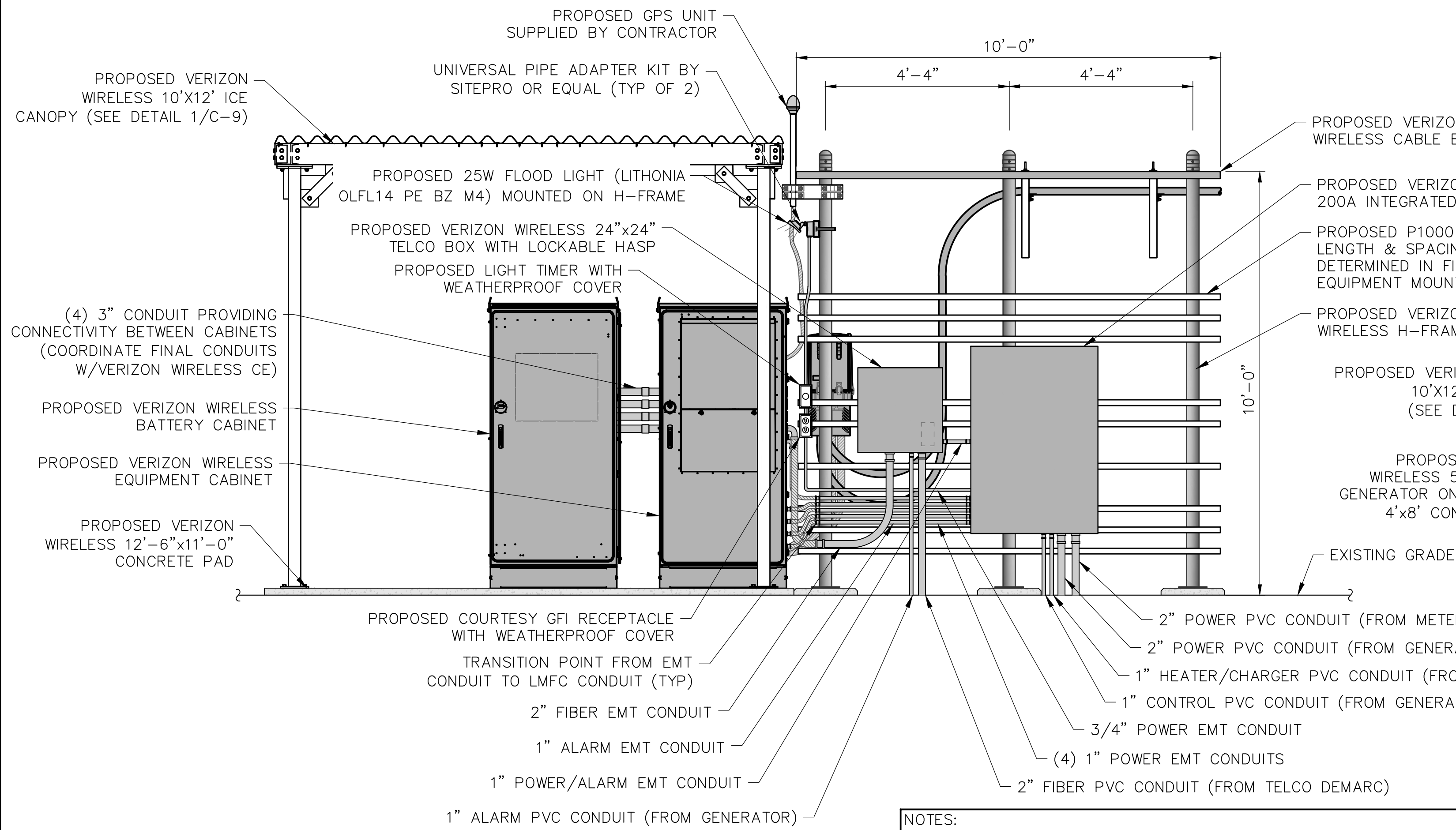
ORIGINAL SIZE IN INCHES

**SITE INFORMATION**  
VAN HORNESVILLE  
FUZE ID#: 17302851  
MDG#: 5000921062

**SITE ADDRESS**  
PUSKARENKO RD  
TOWN OF STARK  
HERKIMER COUNTY  
NY 13361

**SHEET TITLE**  
EQUIPMENT ELEVATIONS

**SHEET NUMBER**  
C-6





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WEST HENRIETTA, NY 14586



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ORIGINAL SIZE IN INCHES

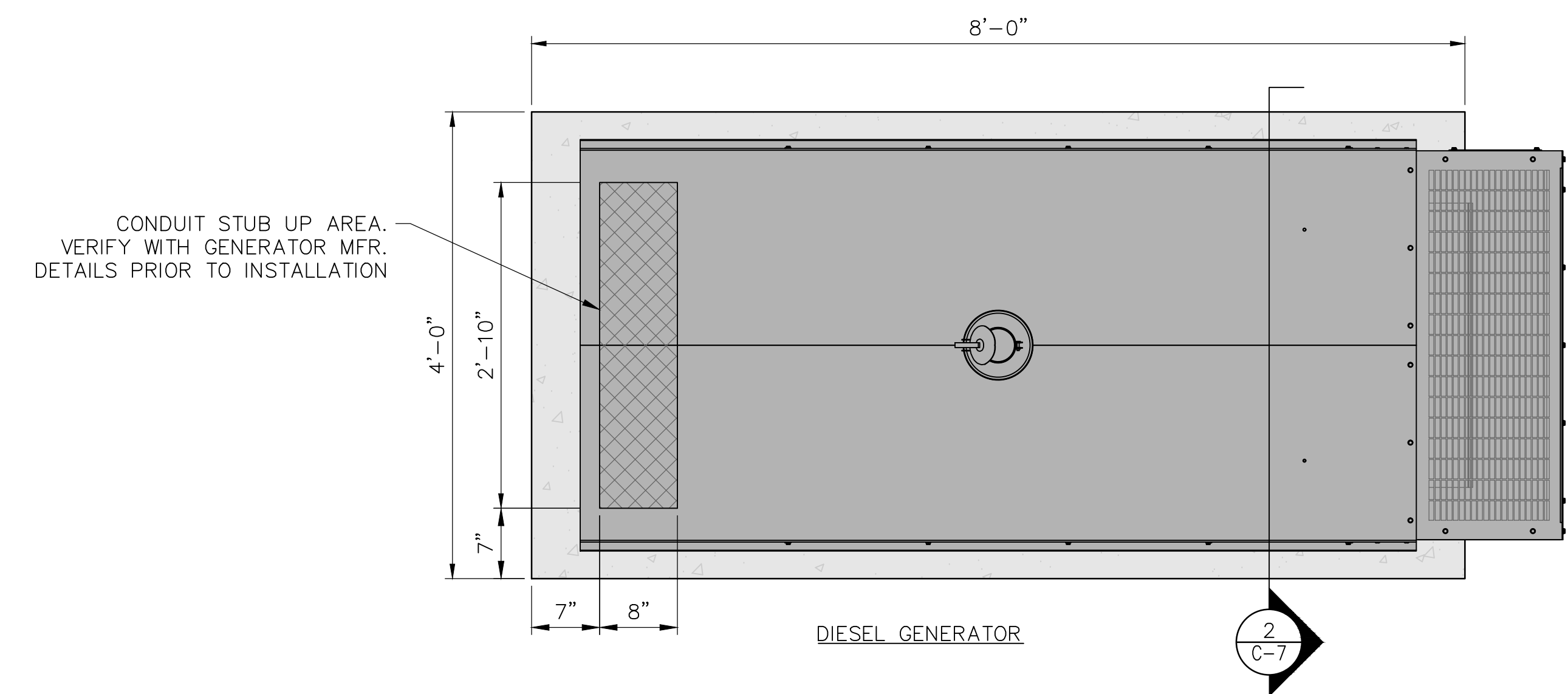
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FUZE ID#: 17302851  
MDG#: 5000921062

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TOWN OF STARK  
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NY 13361

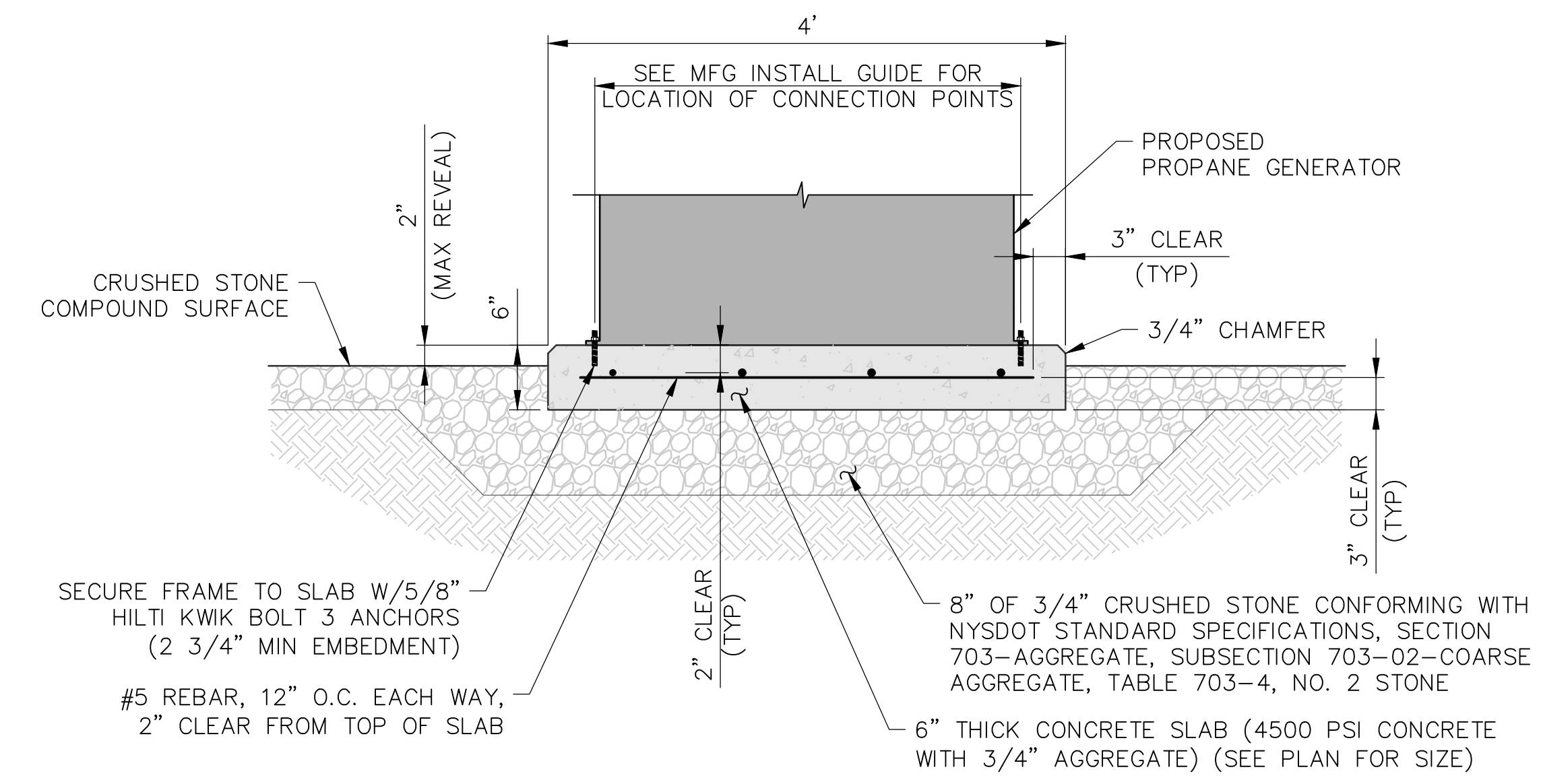
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FOUNDATION PLAN  
& DETAILS

SHEET NUMBER

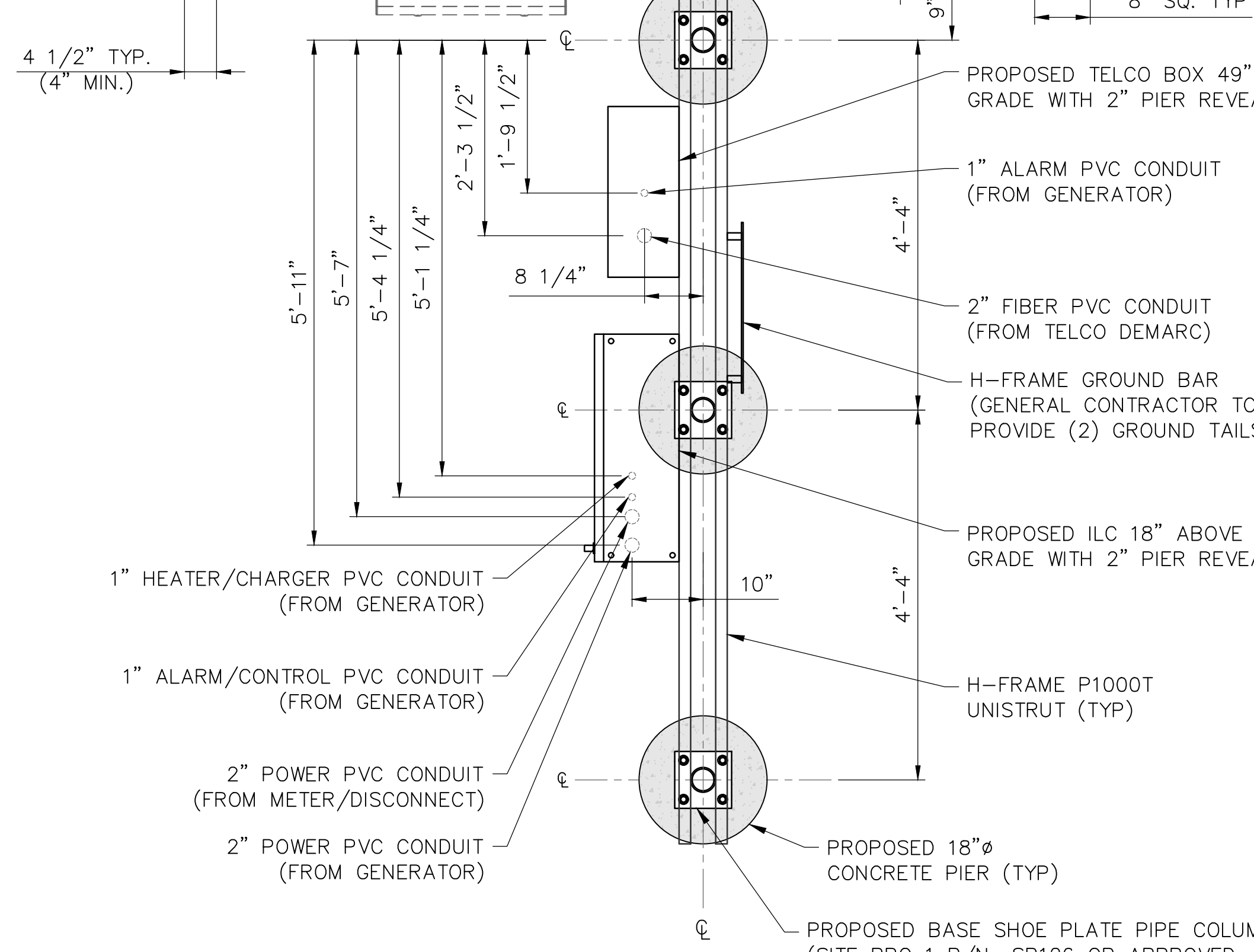
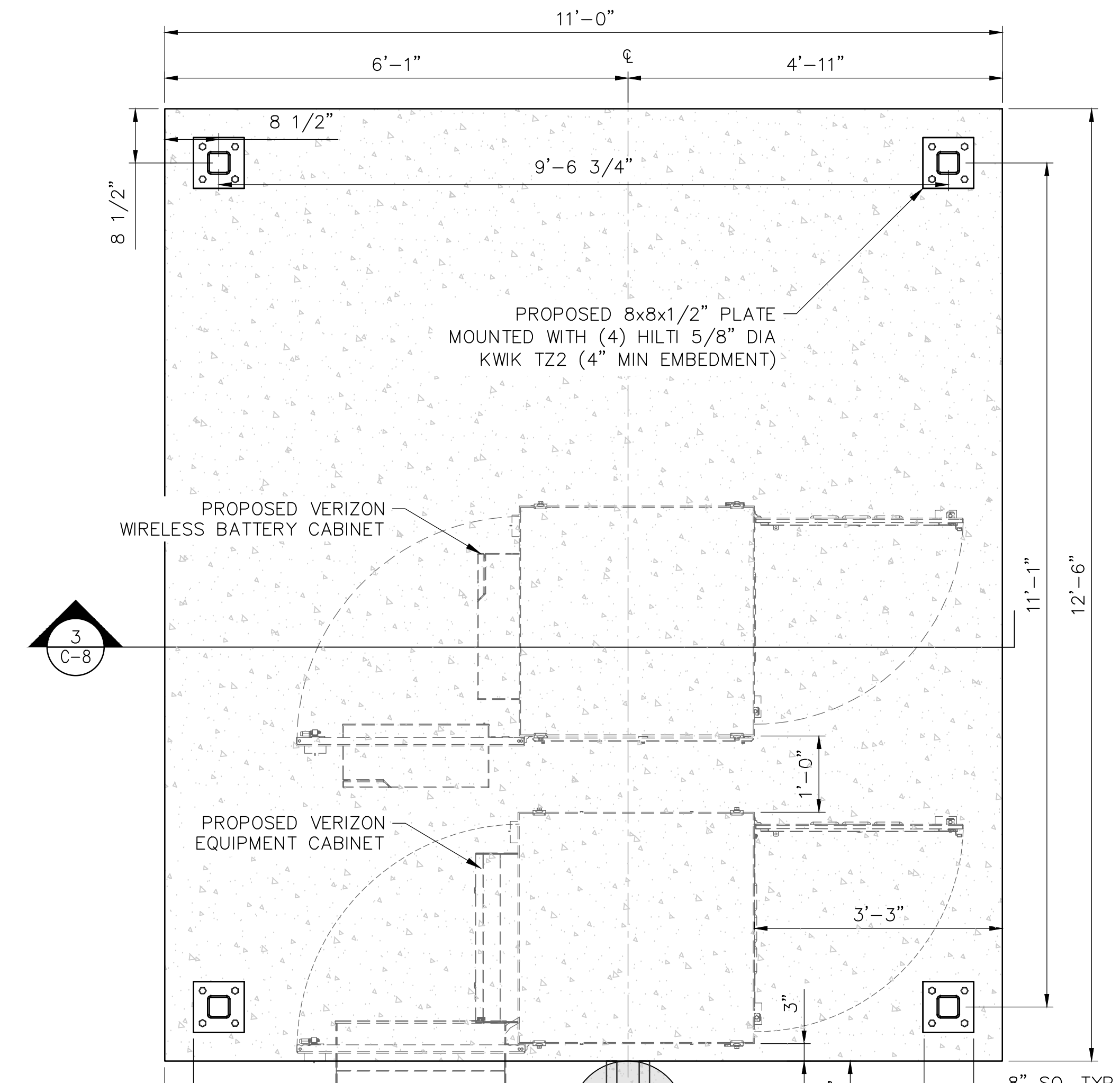
C-7



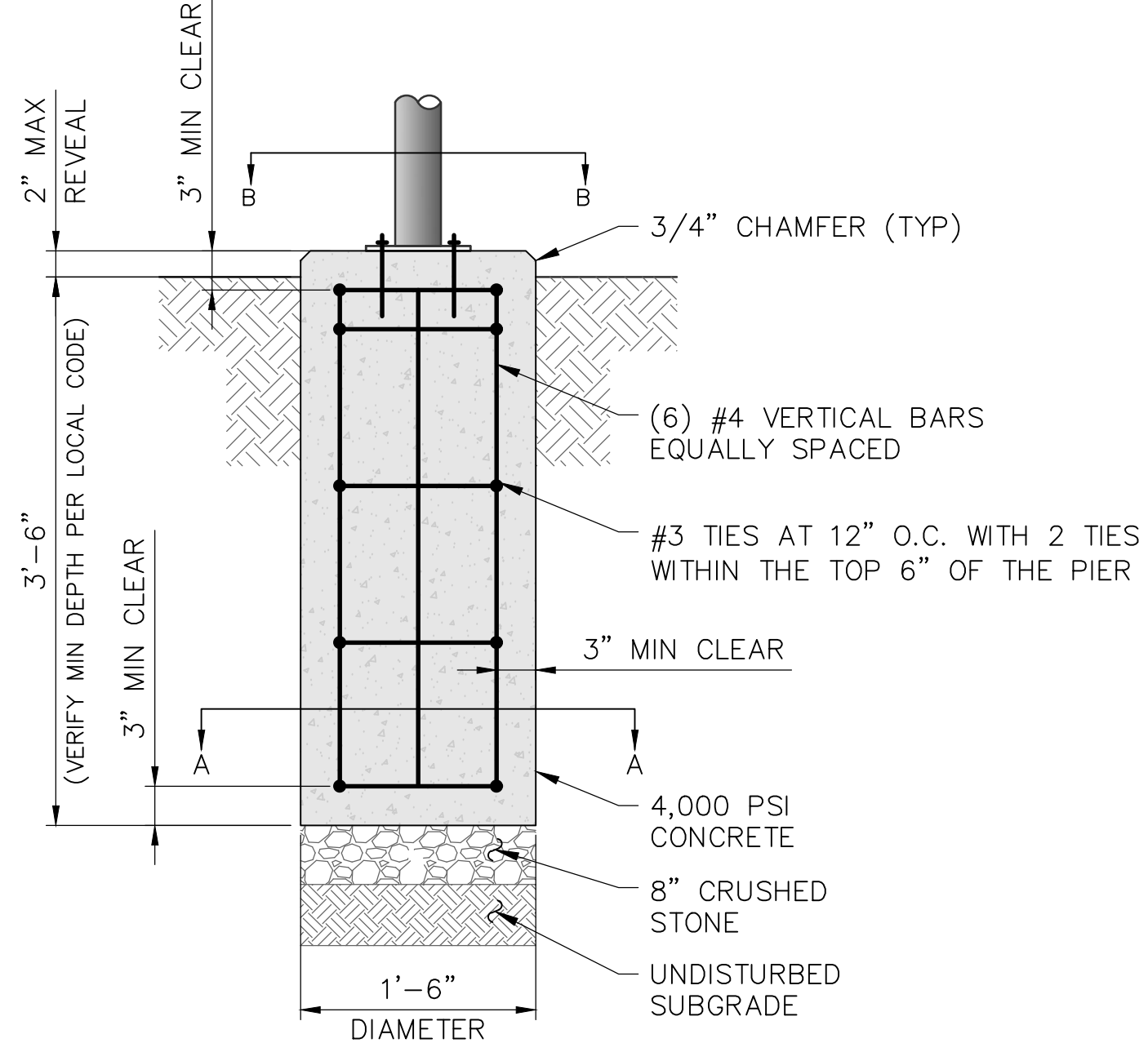
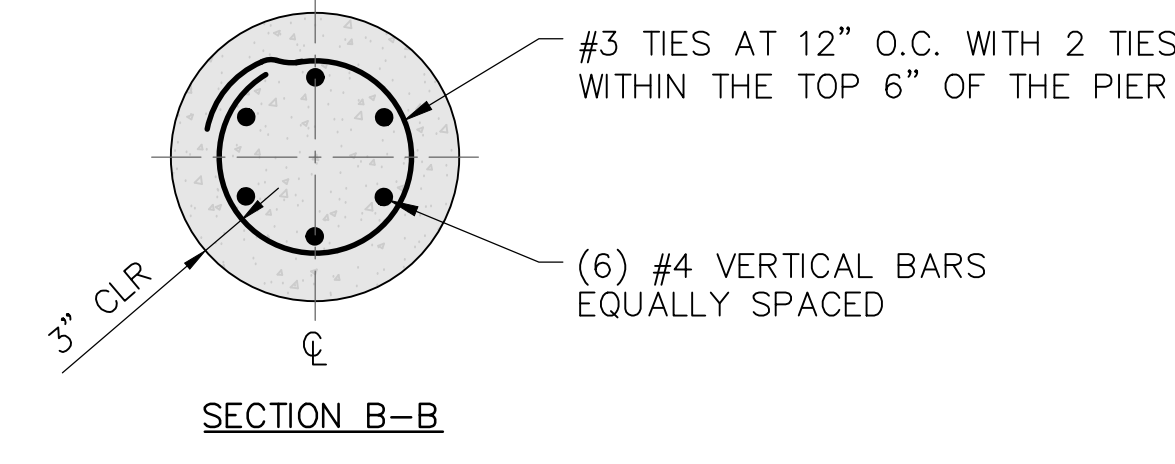
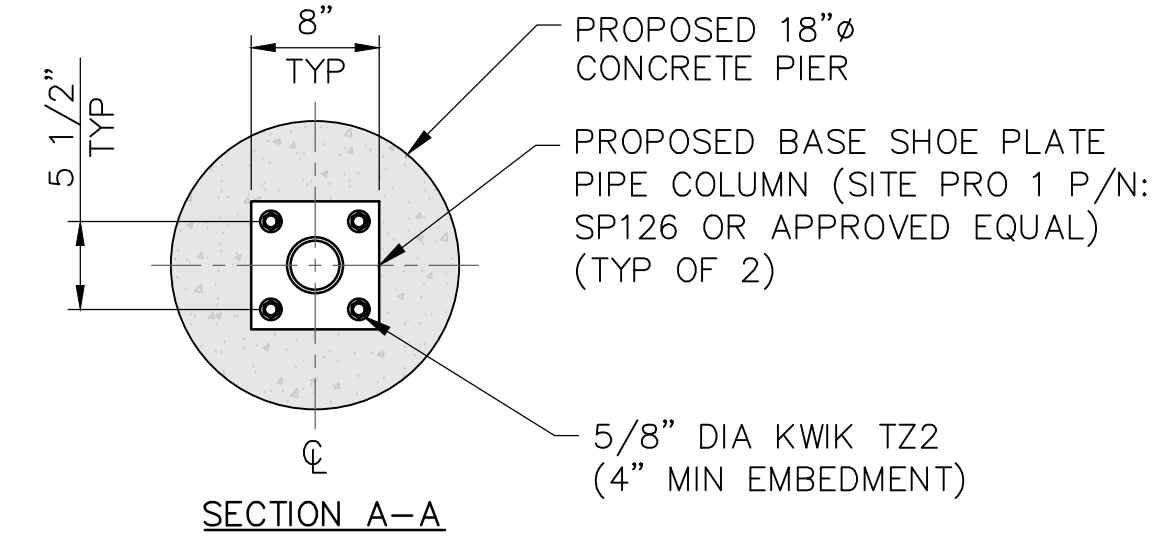
1 CONCRETE GENERATOR SLAB PLAN  
SCALE: 1" = 2" (11x17 SIZE)  
1" = 1" (22x34 SIZE)



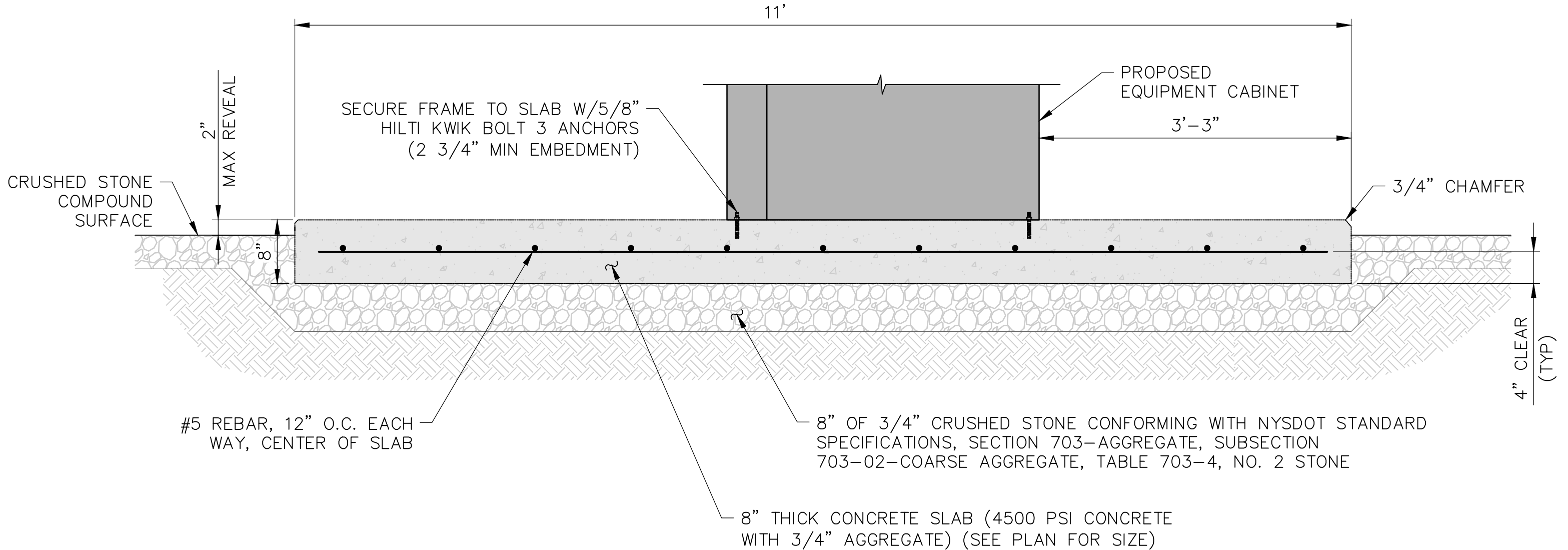
2 GENERATOR SLAB DETAIL  
SCALE: 1" = 2" (11x17 SIZE)  
1" = 1" (22x34 SIZE)



**1 CONCRETE PIER LAYOUT**  
 SCALE: 3/8" = 1'-0" (11x17 SIZE)  
 3/4" = 1'-0" (22x34 SIZE)



**2 CONCRETE PIER DETAIL**  
 SCALE: 1/2" = 1'-0" (11x17 SIZE)  
 1" = 1'-0" (22x34 SIZE)



**3 EQUIPMENT SLAB DETAIL**  
 SCALE: 1" = 2" (11x17 SIZE)  
 1" = 1" (22x34 SIZE)

- NOTES:
1. VERIZON WIRELESS SETUP VENDOR TO INSTALL RISERS ON STUB-UPS INTO ILC AND FIBER ENCLOSURE.
  2. VERIZON WIRELESS SETUP VENDOR TO UTILIZE EXPANSION COUPLINGS ON ALL RISERS.
  3. GENERAL CONTRACTOR TO INSTALL GENERATOR CONDUITS THROUGH SLAB PER MANUFACTURER CONDUIT LAYOUT. GC TO INSTALL PULL STRINGS IN GENERATOR CONDUITS.
  4. GENERAL CONTRACTOR TO PROVIDE #2 SOLID TINNED GROUND LEAD FOR EACH H-FRAME POST AND TWO TAILS FOR H-FRAME GROUND BAR.
  5. H-FRAME POSTS AND GROUND BAR LEAD TERMINATIONS BY VERIZON WIRELESS SETUP VENDOR.



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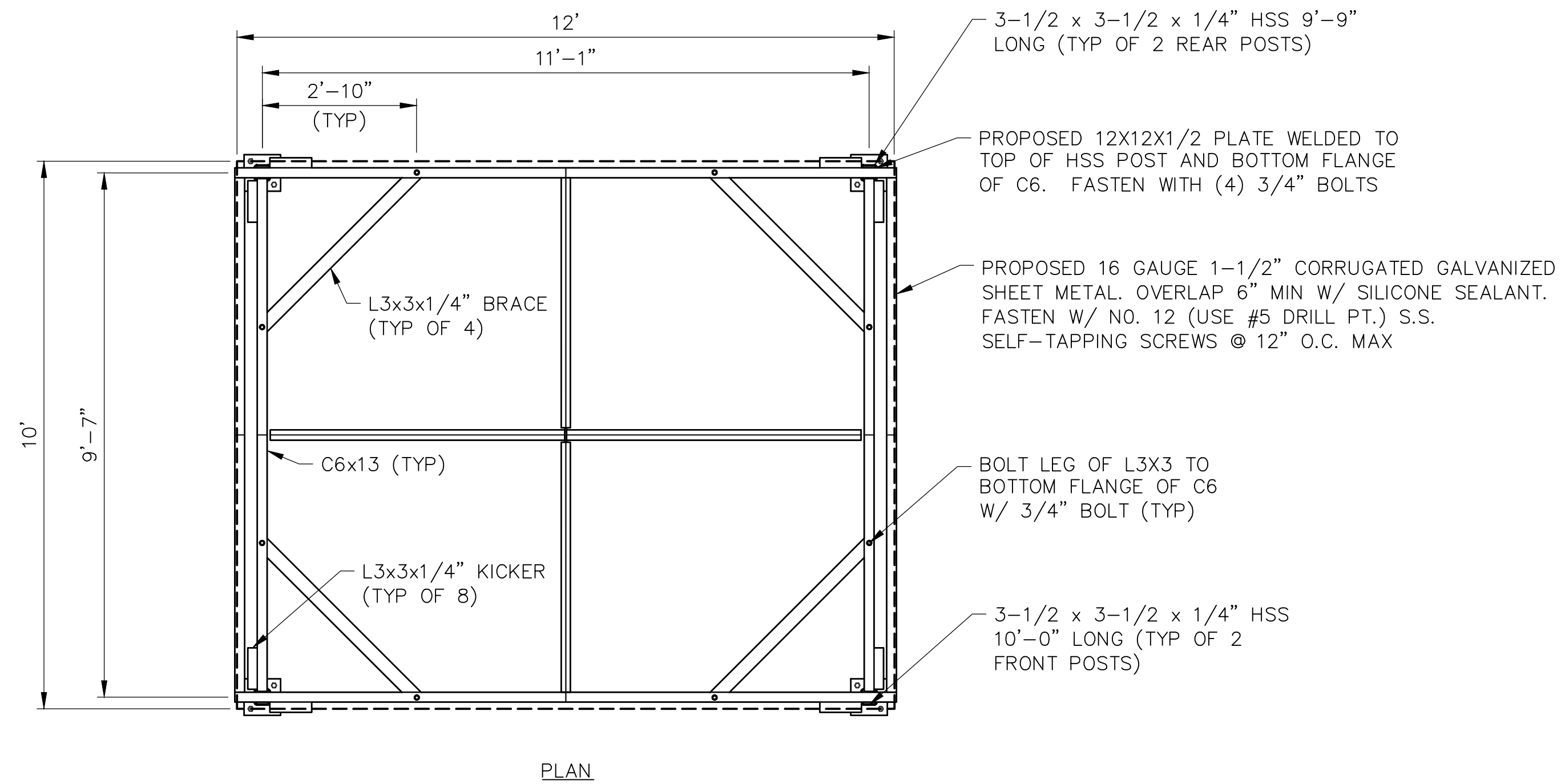
ORIGINAL SIZE IN INCHES

**SITE INFORMATION**  
 VAN HORNESVILLE  
 FUZE ID#: 17302851  
 MDG#: 5000921062  
 SITE ADDRESS

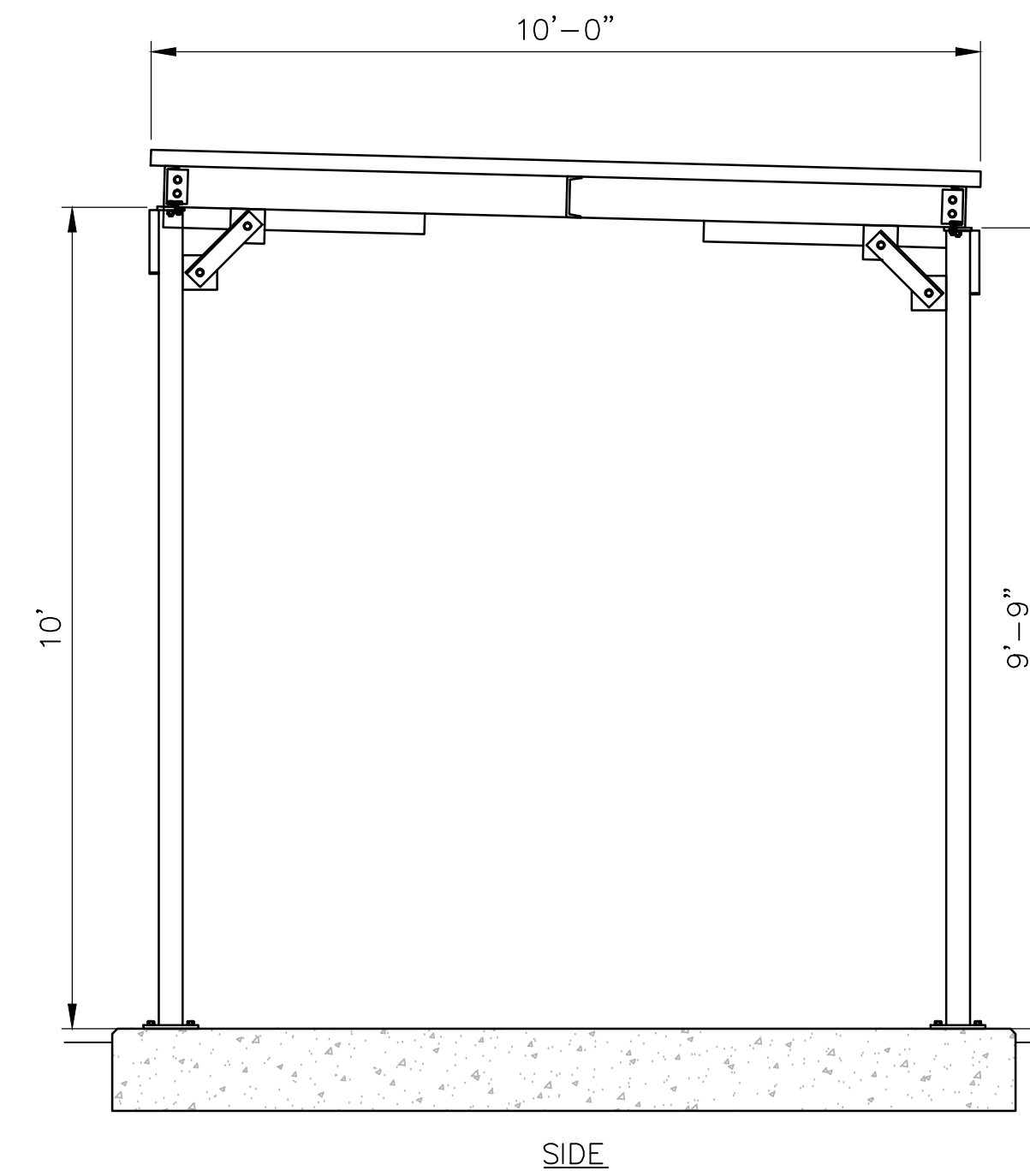
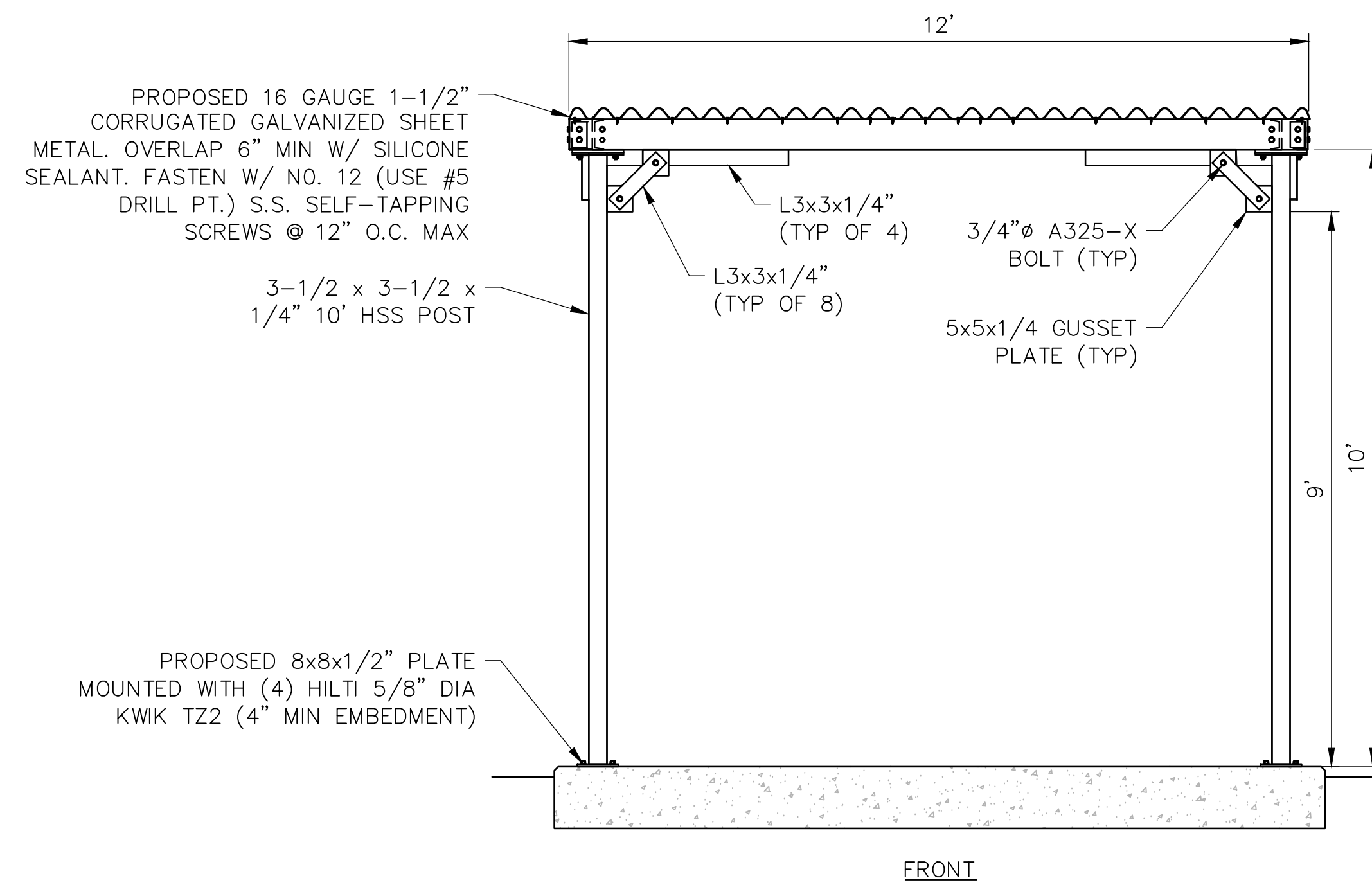
PUSKARENKO RD  
 TOWN OF STARK  
 HERKIMER COUNTY  
 NY 13361

**SHEET TITLE**  
 PIER DETAILS

**SHEET NUMBER**  
 C-8



NOTE: ALL C6 CONNECTIONS TO BE DETAILED BY FABRICATOR AND SHALL COMPLY WITH ASTM STANDARDS.



1 ICE CANOPY DETAIL  
C-9 SCALE: NTS

verizon

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Latham, NY 12110 www.tectonicengineering.com

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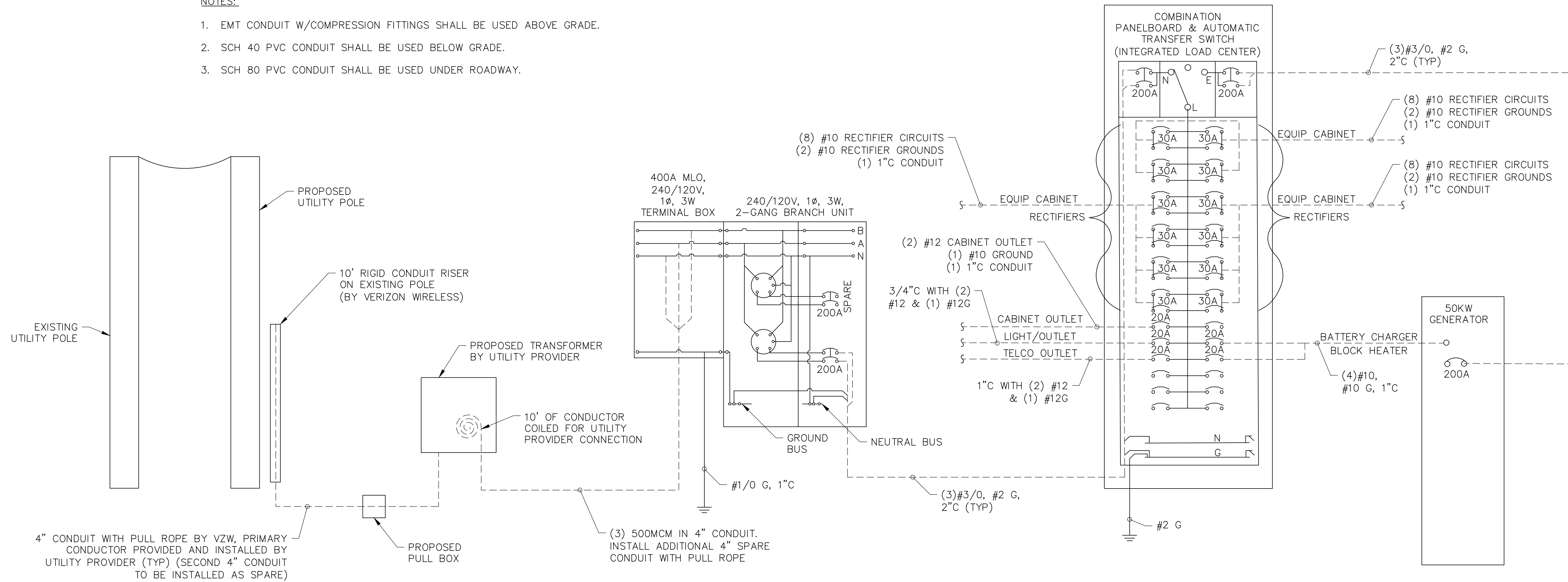
SITE ADDRESS  
PUSKARENKO RD  
TOWN OF STARK  
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NY 13361

SHEET TITLE  
ICE CANOPY DETAILS

SHEET NUMBER  
C-9

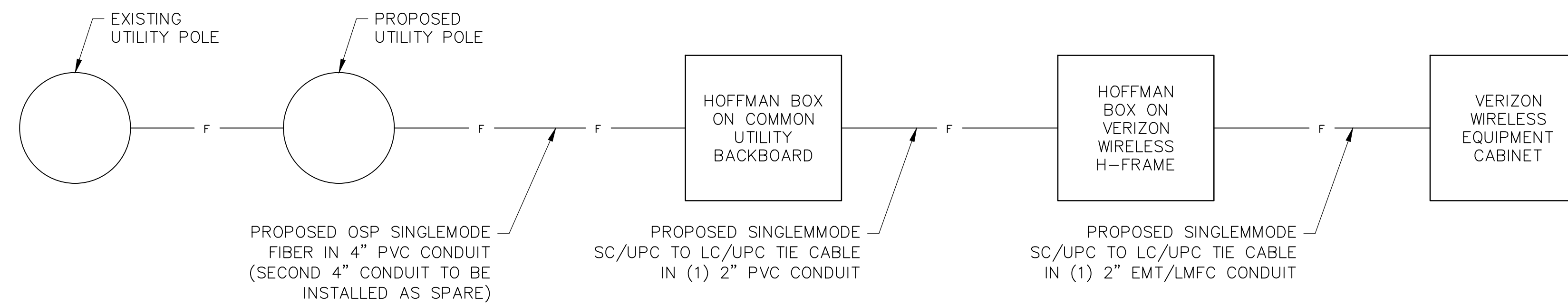
**NOTES:**

1. EMT CONDUIT W/COMPRESSION FITTINGS SHALL BE USED ABOVE GRADE.
2. SCH 40 PVC CONDUIT SHALL BE USED BELOW GRADE.
3. SCH 80 PVC CONDUIT SHALL BE USED UNDER ROADWAY.



**1 SINGLE LINE DIAGRAM**  
SCALE: NTS

DESIGN TO BE CONFIRMED AND UPDATED AS NEEDED PER VZW TELCO WALK REPORT



**2 TELEPHONE LINE DIAGRAM**  
SCALE: NTS



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**SITE ADDRESS**  
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TOWN OF STARK  
HERKIMER COUNTY  
NY 13361

**SHEET TITLE**  
UTILITY DIAGRAMS  
& DETAILS

**SHEET NUMBER**

**E-1**

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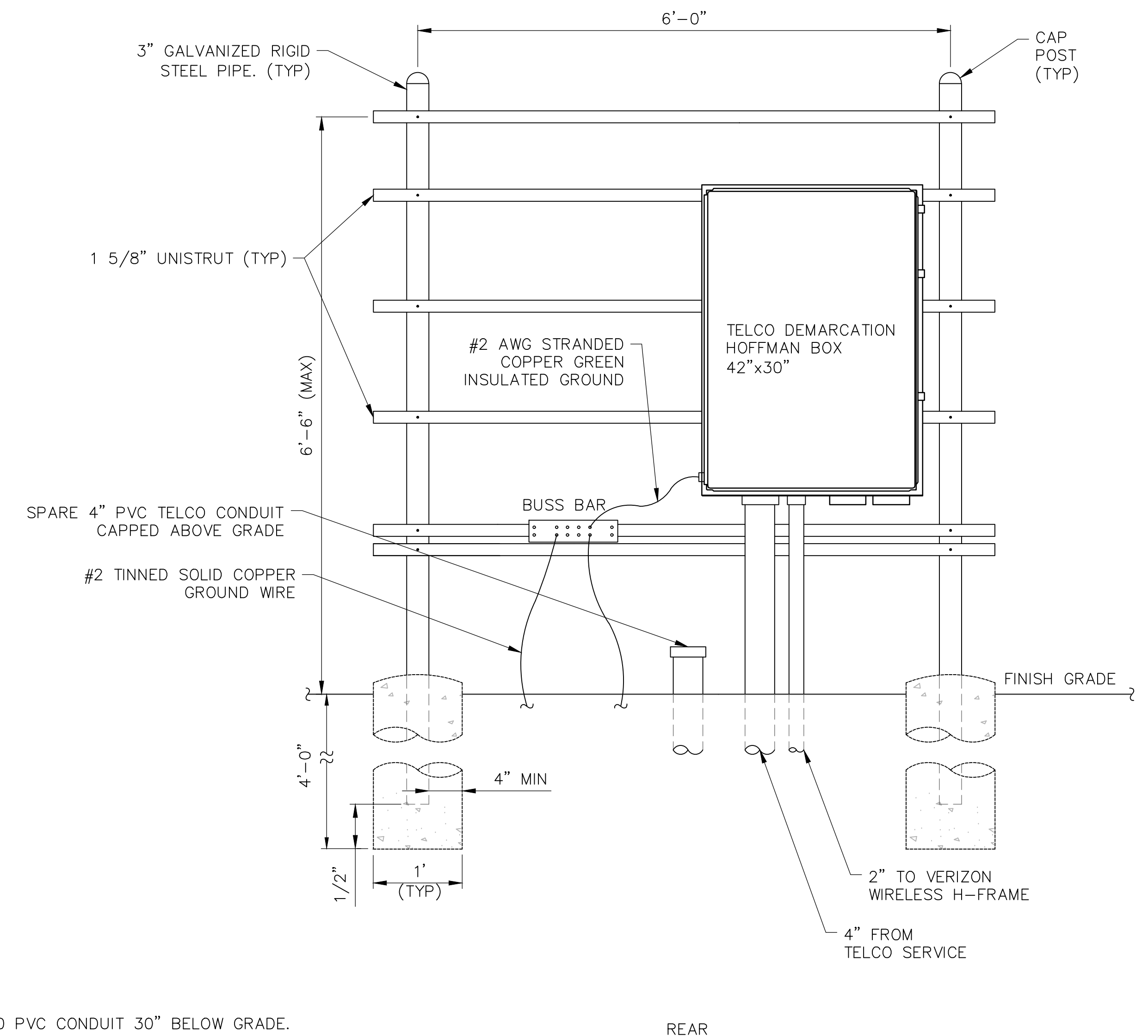
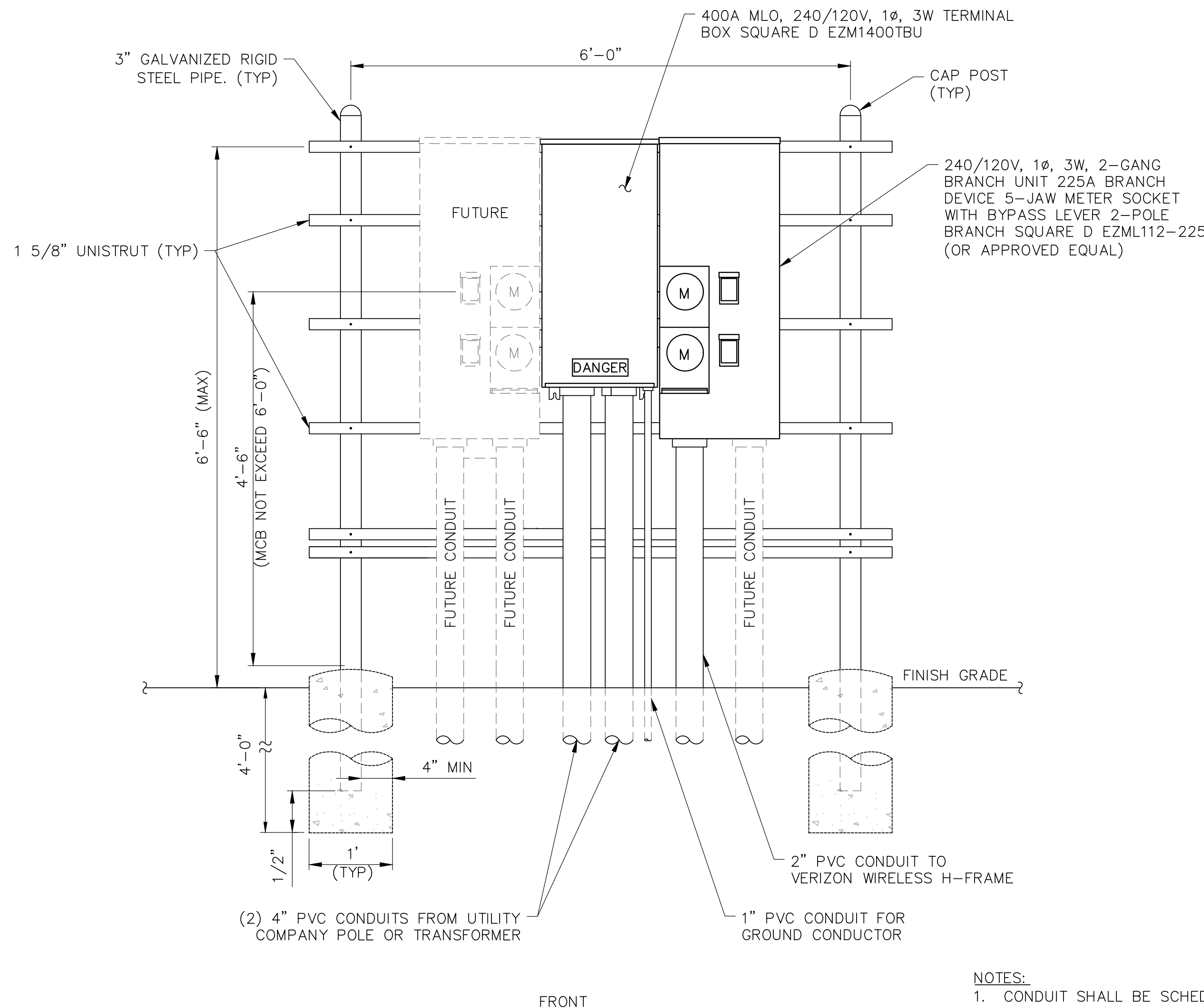
PUSKARENKO RD  
TOWN OF STARK  
HERKIMER COUNTY  
NY 13361

**SHEET TITLE**

UTILITY BACKBOARD DETAIL

**SHEET NUMBER**

**E-2**

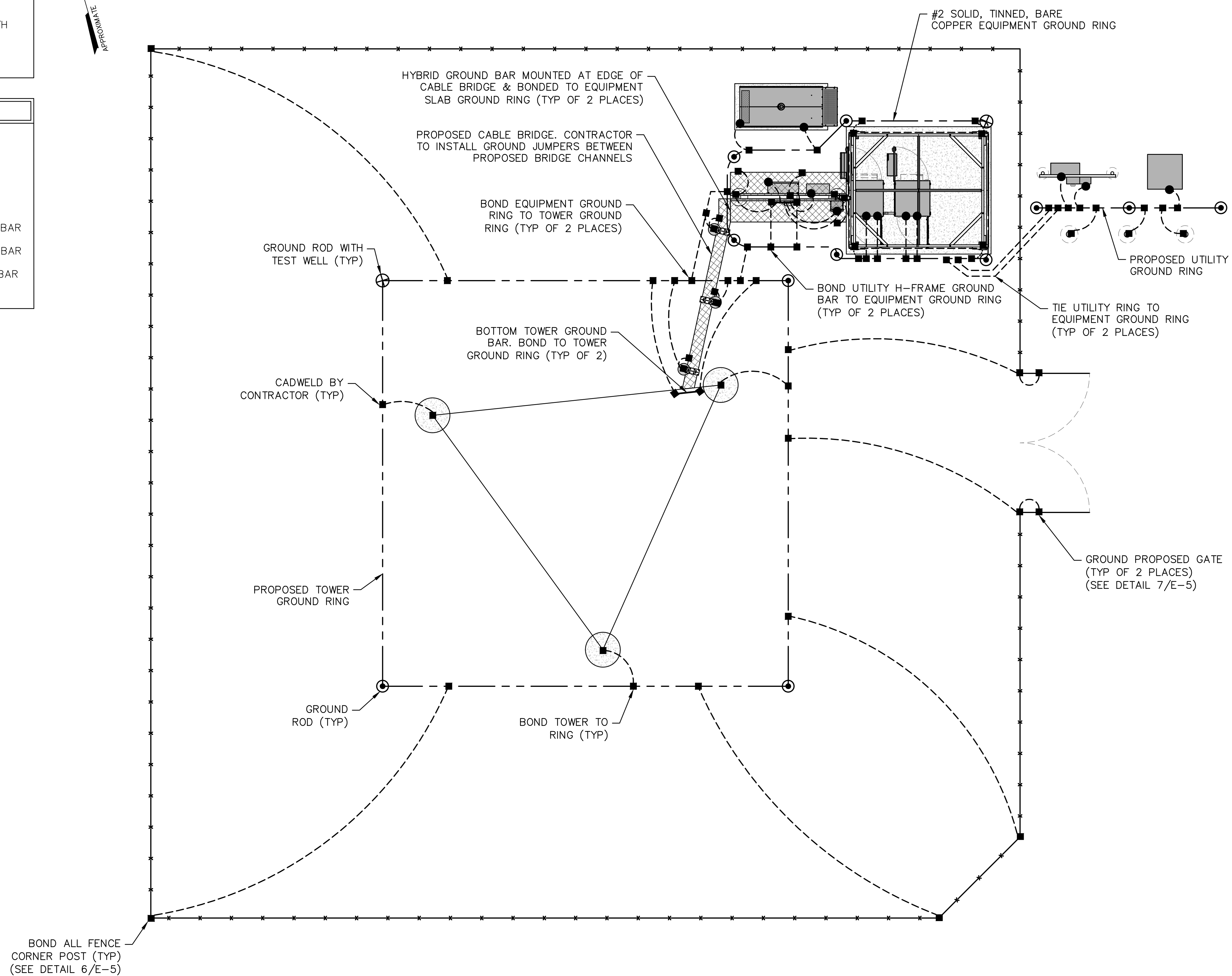
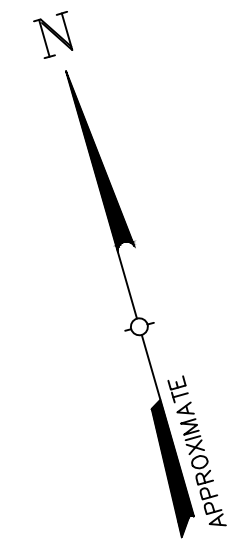


- NOTES:**
1. CONDUIT SHALL BE SCHEDULE 40 PVC CONDUIT 30" BELOW GRADE.
  2. CONDUIT FROM 30" BELOW GRADE, INCLUDING THE SWEEP, SHALL BE SCHEDULE 80 PVC FOR ABOVE GRADE AND UNDER ALL ROADWAYS (UNLESS CONCRETE ENCASED).
  3. ALL CONDUITS SHALL HAVE EXPANSION FITTINGS ABOVE GRADE.

**UTILITY BACKBOARD DETAIL**  
SCALE: NTS

LEGEND			
	METER		COPPER GROUND BAR
	CIRCUIT BREAKER		GROUND CONDUCTOR BY CONTRACTOR
	CADWELD TYPE CONNECTION BY CONTRACTOR		GROUND RING BY CONTRACTOR
	COAXIAL CABLE SHIELD GROUND KIT CONNECTION		GROUND ROD WITH TEST WELL
	COMPRESSION FITTING GROUND CONNECTION		GROUND ROD

ABBREVIATIONS			
A	AMPERE	W	WIRE
C	CONDUIT	WP	WEATHERPROOF
GND	GROUND	∅	PHASE
KWH	KILOWATT HOUR	TGB	TOP GROUND BAR
P	POLE	MGB	MASTER GROUND BAR
SN	SOLID NEUTRAL	BGB	BOTTOM GROUND BAR
SW	SWITCH	EGB	EXISTING GROUND BAR
V	VOLT		



BOND ALL FENCE CORNER POST (TYP) (SEE DETAIL 6/E-5)

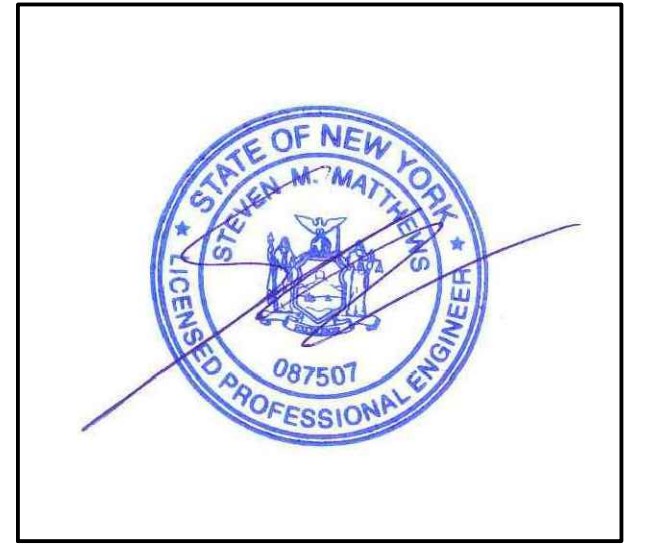
**1**  
E-3  
**GROUNDING PLAN**  
SCALE: 1" = 10' (11x17 SIZE)  
1" = 5' (22x34 SIZE)

NOTE:  
GROUNDING SYSTEM SHOWN IS PRELIMINARY AND IS NOT BASED UPON SOIL RESISTIVITY TEST DATA. CONTRACTOR SHALL CONFIRM FINAL GROUNDING DESIGN WITH VERIZON WIRELESS PRIOR TO CONSTRUCTION.

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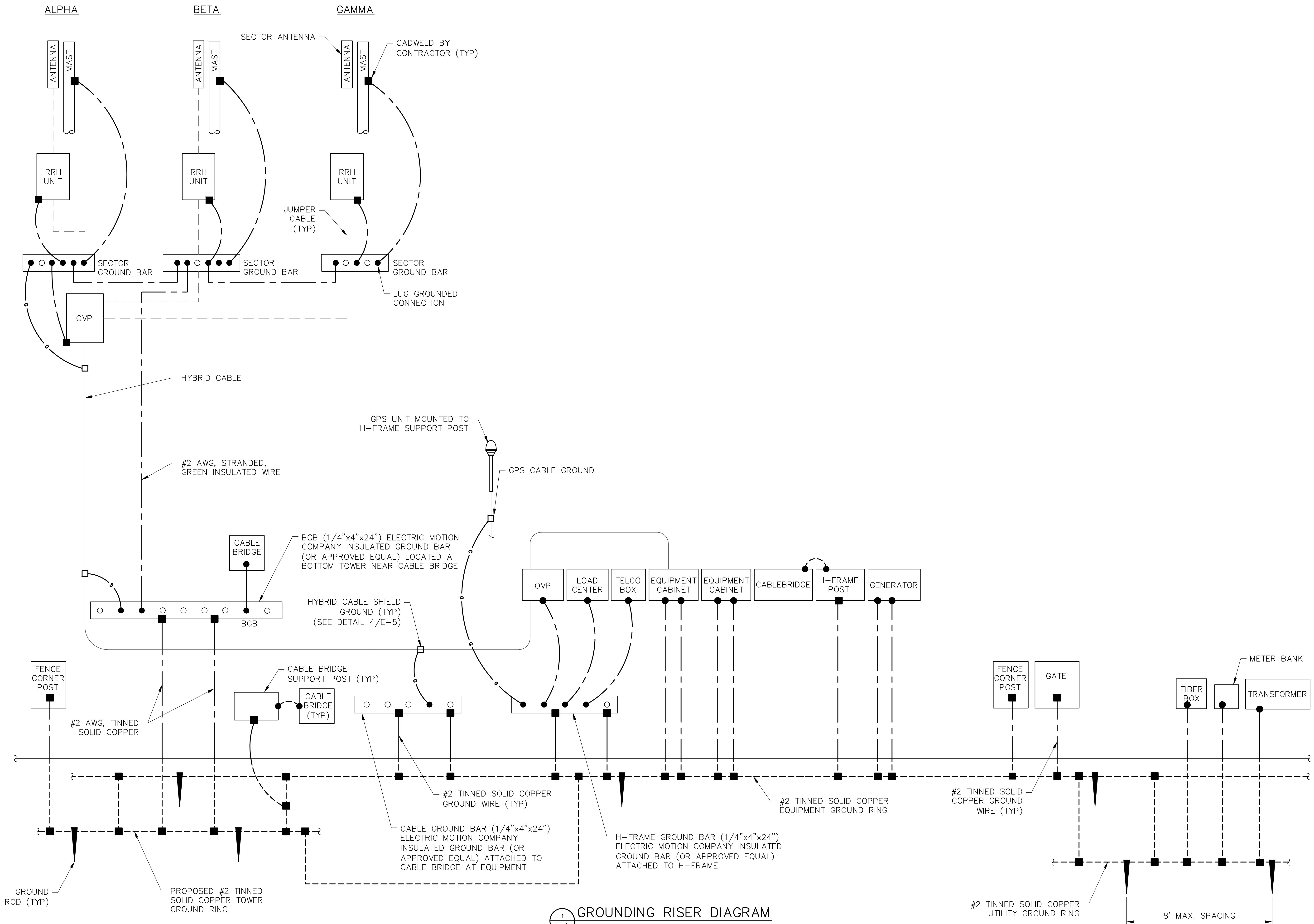
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VAN HORNESVILLE  
FUZE ID#: 17302851  
MDG#: 5000921062

**SITE ADDRESS**  
PUSKARENKO RD  
TOWN OF STARK  
HERKIMER COUNTY  
NY 13361

**SHEET TITLE**  
GROUNDING PLAN

**SHEET NUMBER**  
**E-3**





1  
E-4  
GROUNDING RISER DIAGRAM  
SCALE: NTS



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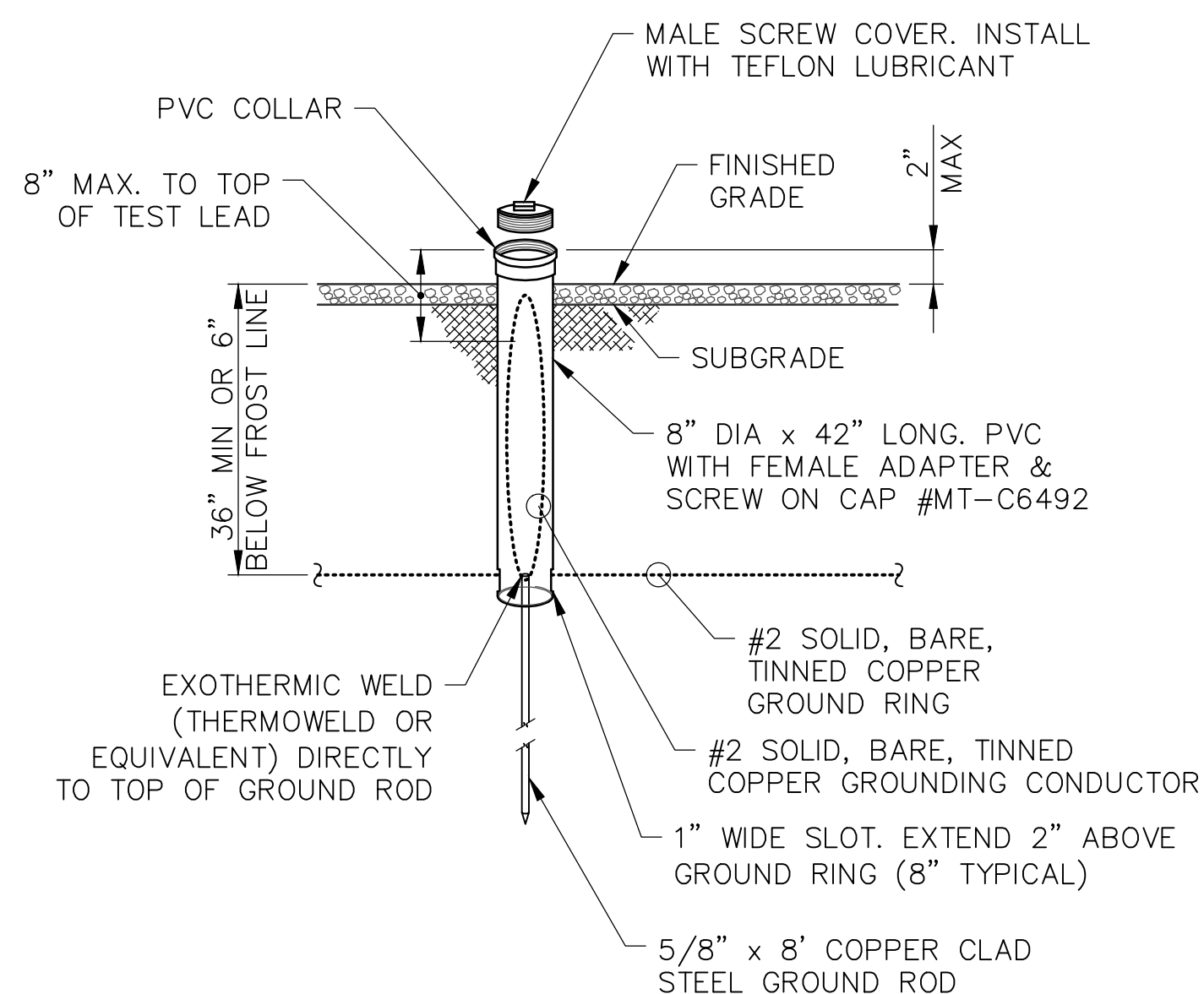


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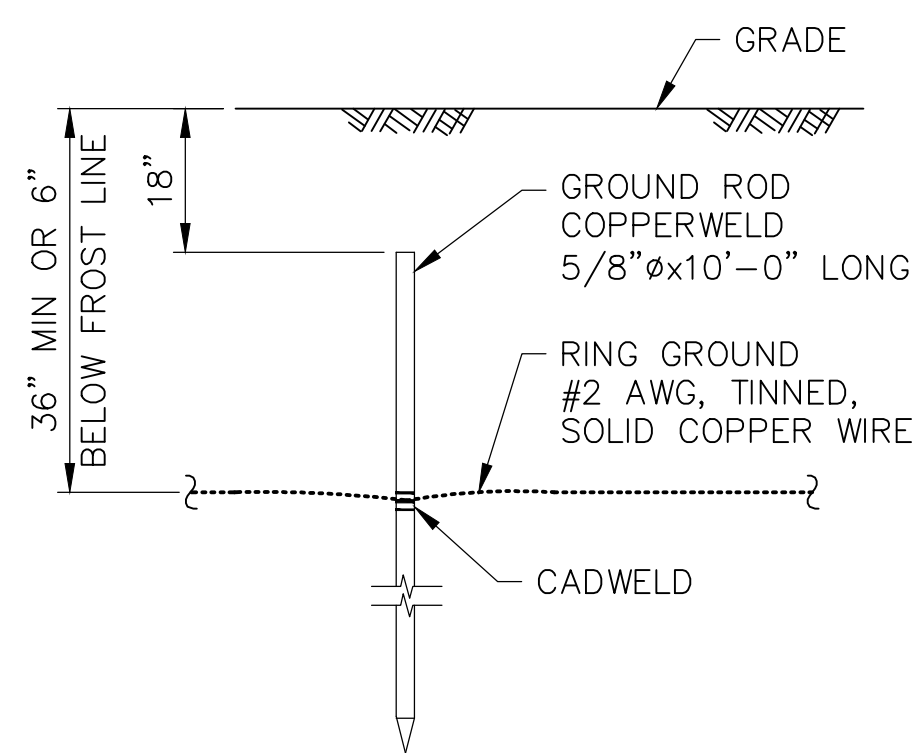
SHEET TITLE  
GROUNDING RISER  
DIAGRAM

SHEET NUMBER  
E-4



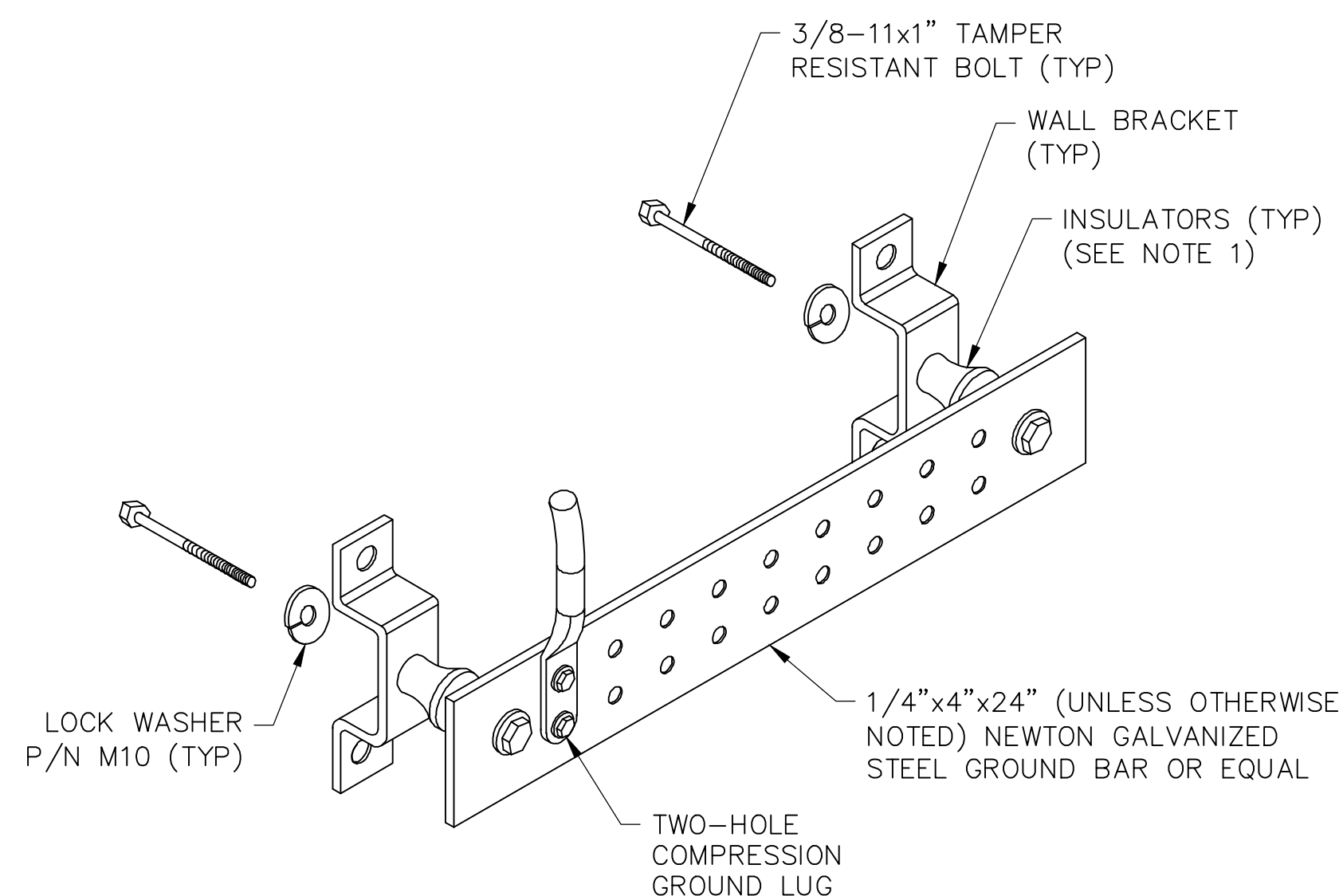
1 GROUND ROD WITH TEST WELL

E-5 SCALE: NTS



2 GROUND ROD

E-5 SCALE: NTS

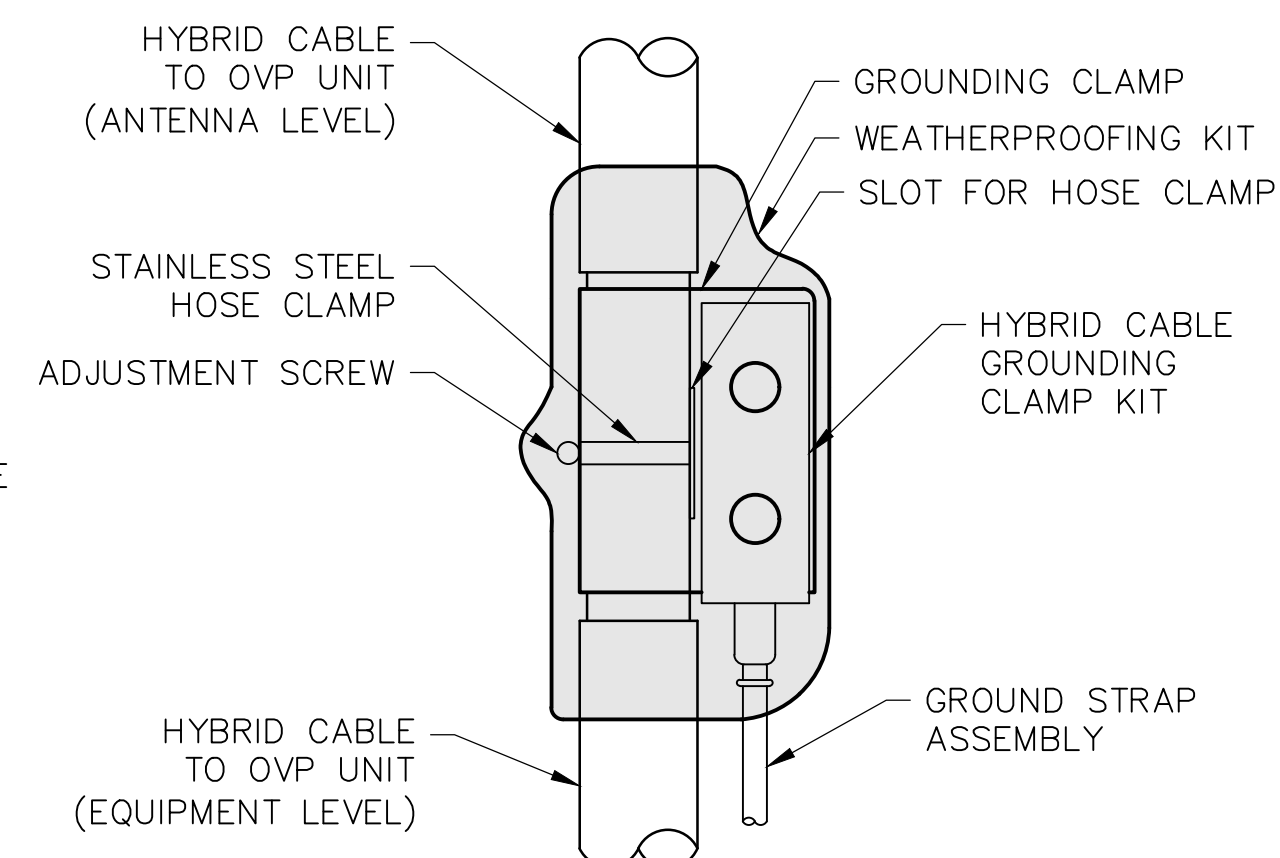


NOTE:

1. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL. USE INSULATOR WHEN ATTACHING TO BUILDING OR SHELTERS.

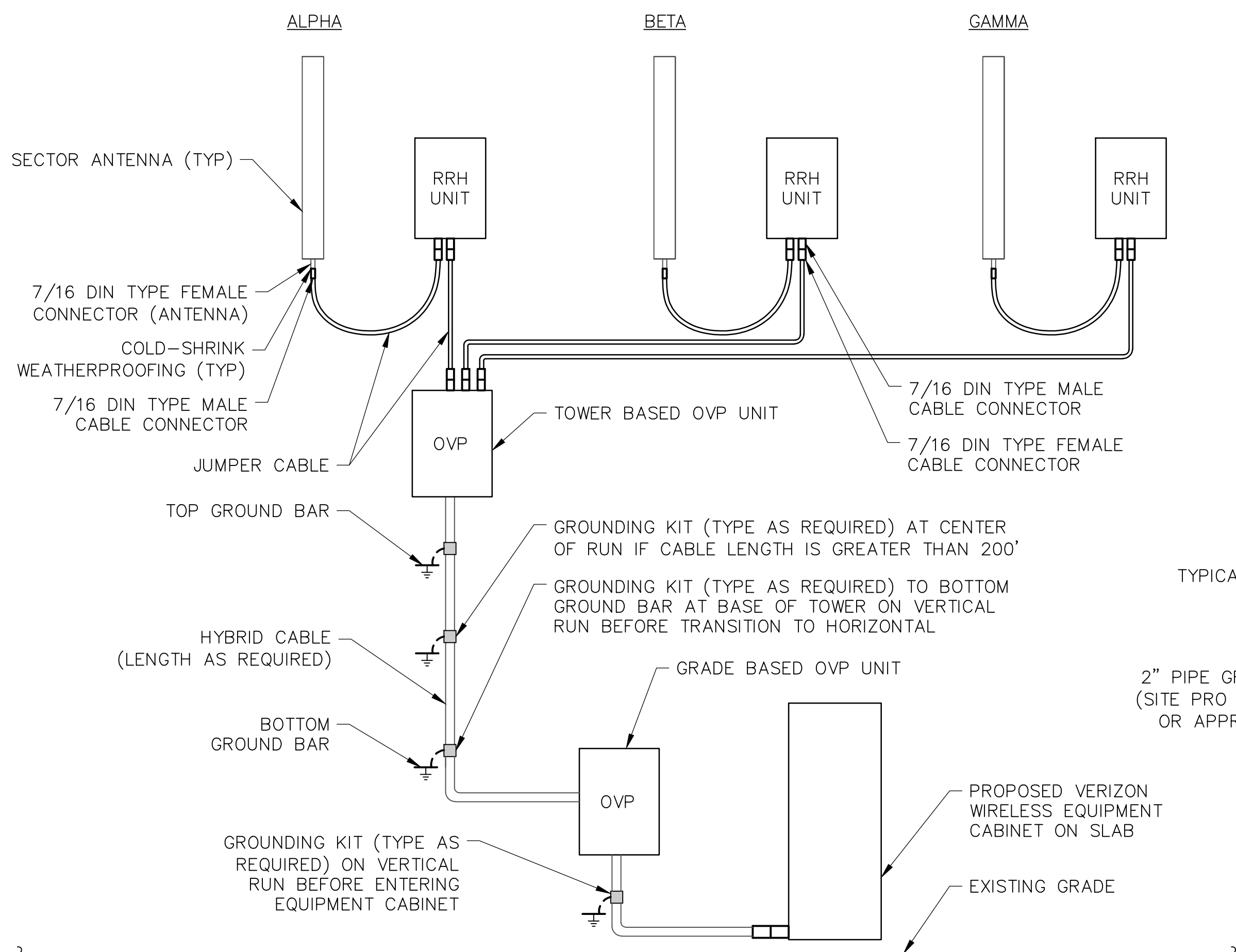
3 GROUND BUS BAR DETAIL

E-5 SCALE: NTS



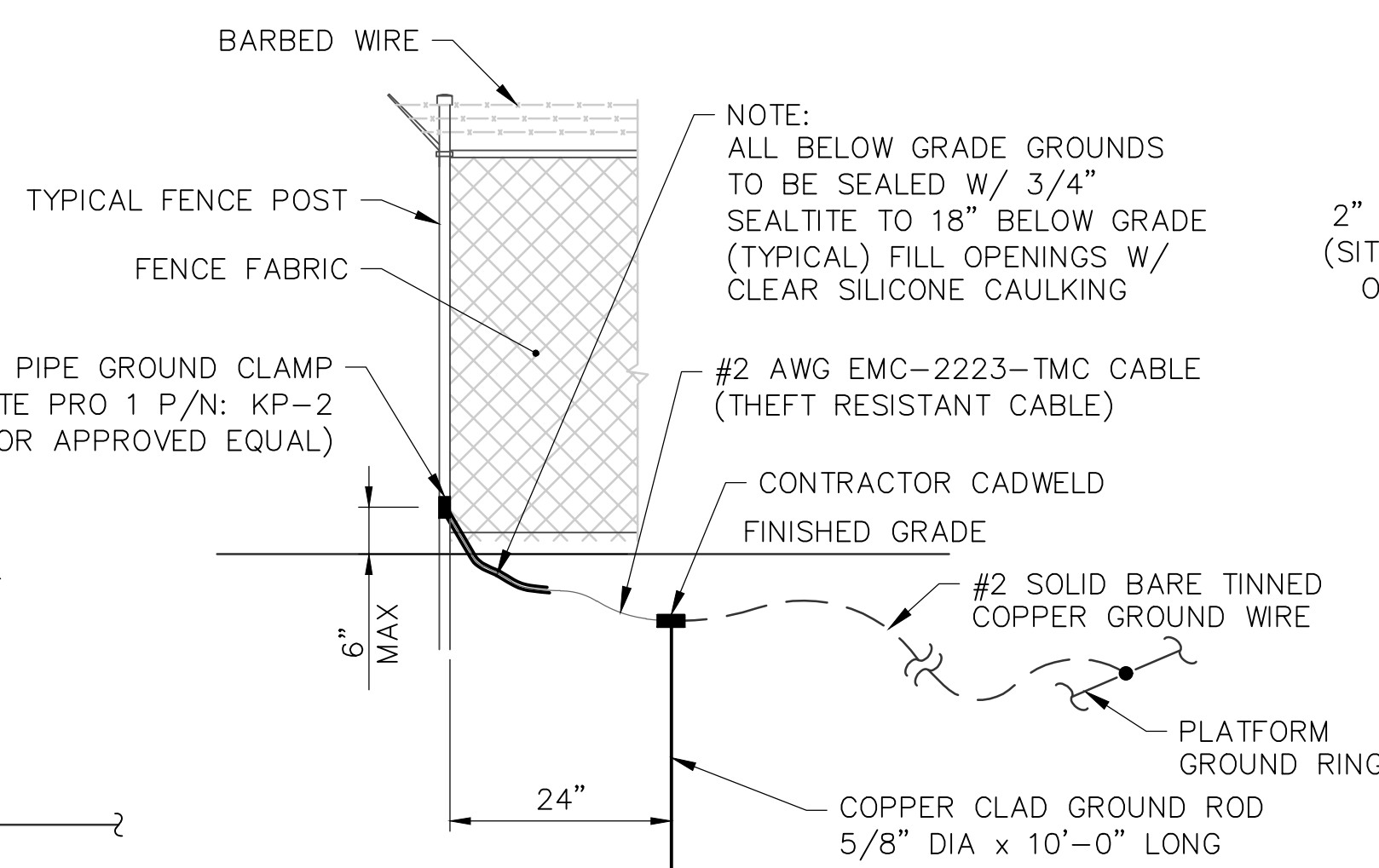
4 HYBRID CABLE GROUNDING DETAIL

E-5 SCALE: NTS



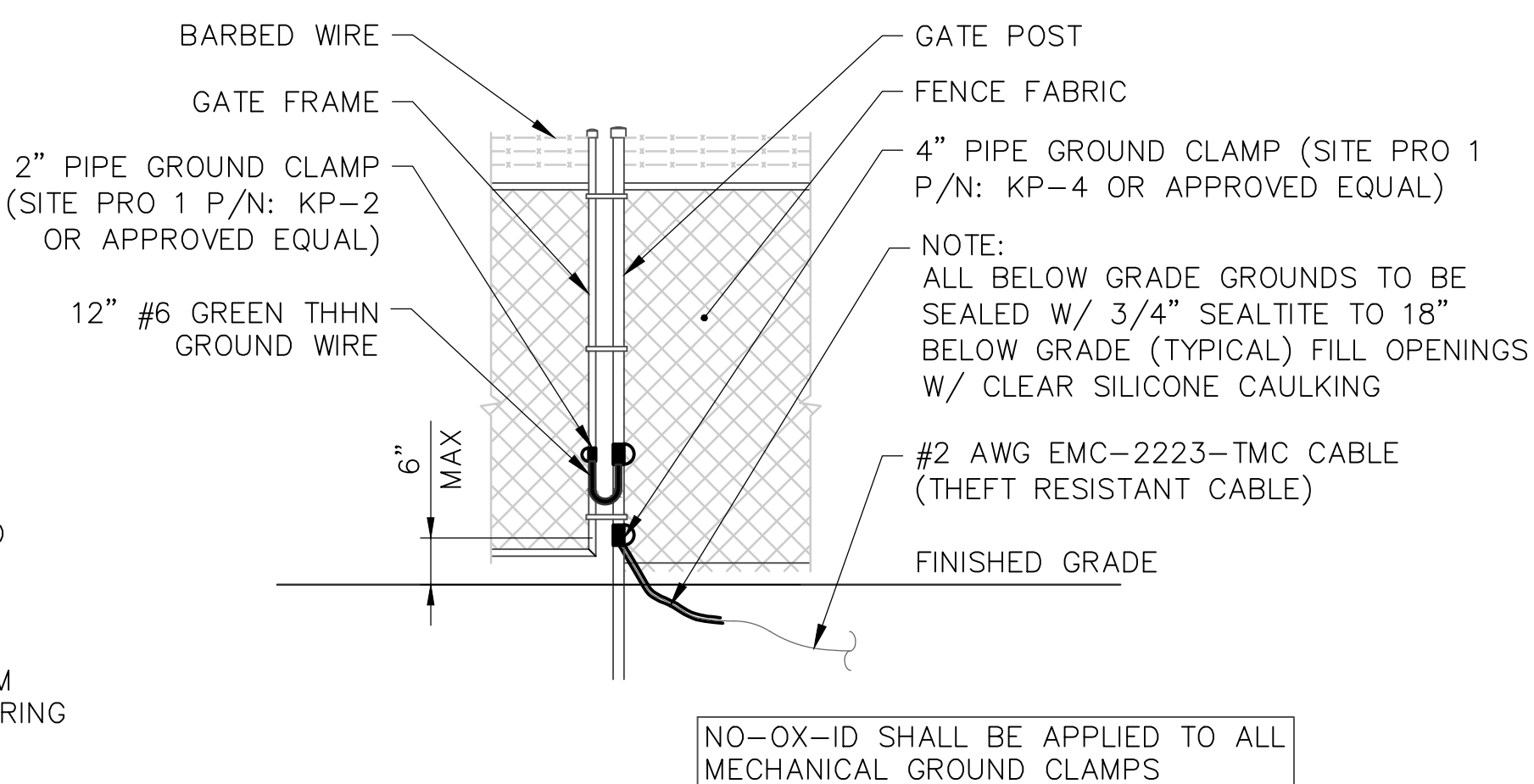
5 HYBRID CABLE SCHEMATIC

E-5 SCALE: NTS



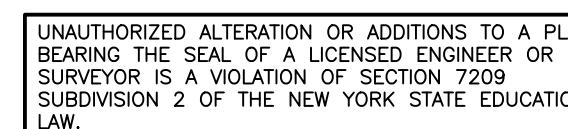
6 FENCE CORNER GROUNDING DETAIL

E-5 SCALE: NTS

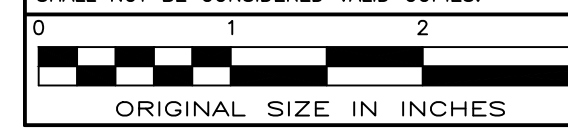


7 GATE GROUNDING DETAIL

E-5 SCALE: NTS



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SHEET TITLE

GROUNDING DETAILS

SHEET NUMBER

E-5