



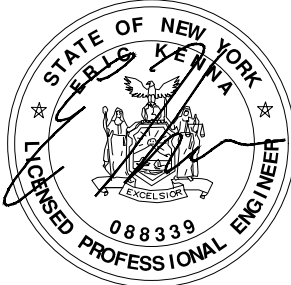
CONTRACT DRAWINGS
FOR THE CONSTRUCTION OF

HAMILTON COUNTY
EMERGENCY COMMUNICATIONS PROJECT
SITE NAME: TOWN OF HOPE

STATE ROUTE 30
HOPE FALLS, NY

C&S PROJECT: F75.004.001

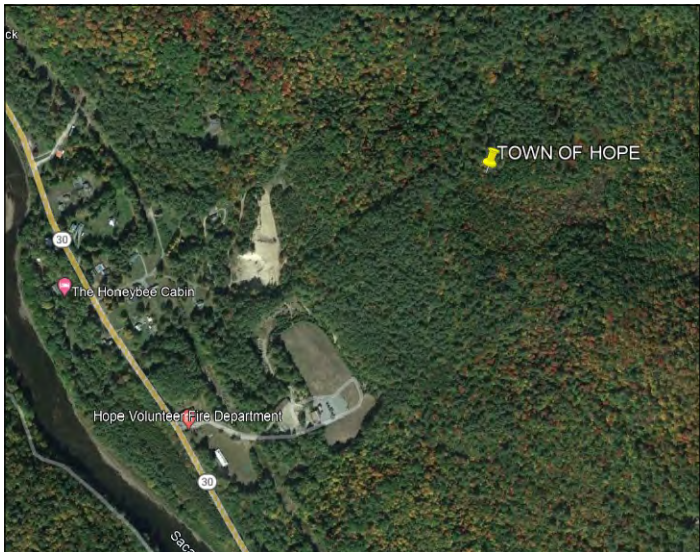
FEBRUARY 2024



TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF
THE PLANS AND SPECIFICATIONS FOR THIS PROJECT ARE IN
COMPLIANCE WITH THE NEW YORK STATE ENERGY
CONSERVATION CONSTRUCTION CODE AND THE BUILDING
CODE OF NEW YORK STATE

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED
UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK
STATE EDUCATION LAW

G-001



AERIAL MAP

DIRECTIONS TO SITE: (FROM SYRACUSE) TAKE I-90 EAST TO EXIT 27. TURN RIGHT ONTO SR30 AND FOLLOW TO A RIGHT ONTO DUMP ROAD NEXT TO THE FIRE DEPARTMENT.



VICINITY MAP

PROJECT INFORMATION	
LANDLORD NAME:	TOWN OF HOPE
PROJECT OWNER:	HAMILTON COUNTY
SITE NAME:	TOWN OF HOPE
E911 SITE ADDRESS:	STATE ROUTE 30 HOPE FALLS, NY
TAX MAP #:	147.016-1-16
LATITUDE:	N 43° 18' 45.0"
LONGITUDE:	W 74° 14' 21.0"
AREA OF DISTURBANCE:	1.9 ACRES
GROUND ELEVATION:	1050.49± AMSL
ZONING JURISDICTION:	TOWN OF HOPE
COUNTY:	HAMILTON
TYPE OF SITE:	PROPOSED MONOPINE
TOWER HEIGHT:	140'-0" AGL
PROPOSED USE:	EMERGENCY COMMUNICATIONS FACILITY
PROJECT DIRECTORY	
APPLICANT:	HAMILTON COUNTY
CONTACT:	JILL DUNHAM
PHONE:	(518) 548-6223
CIVIL ENGINEERING FIRM:	C&S ENGINEERS INC. 499 COL. EILEEN COLLINS BLVD. SYRACUSE, NY 13212
CONTACT:	ERIC N. KENNA P.E.
PHONE:	(315) 455-2000
POWER COMPANY:	NATIONAL GRID
PHONE:	(800) 867-5222
GENERAL NOTES	
THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.	
DIG SAFELY	
PHONE #: 1-800-962-7962 OR 811	
WEBSITE: HTTP://WWW.DIGSAFELYNEWYORK.COM	

DRAWING LIST			
SHEET NO.	SHEET NAME	REV	DATE
GENERAL			
G-001	TITLE SHEET	3	7-31-26
G-002	GENERAL NOTES	1	5-29-24
CIVIL			
C-100	PROPERTY PLAN	1	5-29-24
C-100A	OVERALL AERIAL PLAN	1	5-29-24
C-101	OVERALL SITE PLAN	1	5-29-24
C-102	GRADING PLAN	1	5-29-24
C-103	GRADING PLAN	1	5-29-24
C-104	GRADING PLAN	1	5-29-24
C-105	GRADING PLAN	4	7-31-26
C-106	COMPOUND PLAN	3	7-31-26
C-107	TREE SURVEY PLAN	4	7-31-26
C-201	TOWER ELEVATION	4	7-31-26
C-501	EQUIPMENT SHELTER DETAILS	2	7-17-26
C-502	SHELTER FOUNDATION DETAILS	2	7-17-26
C-503	FOUNDATION DETAILS	1	5-29-24
C-504	ICE BRIDGE DETAILS	1	5-29-24
C-505	WAVEGUIDE/ CABLE DETAILS	2	7-31-26
C-506	FENCE DETAILS	1	5-29-24
C-507	SITE DETAILS	1	5-29-24
C-508	PROPANE TANK DETAILS	1	5-29-24
C-509	SIGN DETAILS ON SPECIFICATIONS	1	5-29-24
ELECTRICAL			
E-101	GROUNDING PLAN AND NOTES	3	7-31-26
E-501	ELECTRICAL DETAILS	1	5-29-24
E-502	ELECTRICAL DETAILS	1	5-29-24
E-503	ELECTRICAL DETAILS	1	5-29-24
E-504	GROUNDING DETAILS	1	5-29-24
E-505	GROUNDING DETAILS	2	7-31-26
E-506	GROUNDING SCHEMATIC	1	5-29-24

Aug 03, 2026 - 3:38pm F:\Project\Y75 - Hamilton County\Town of Hope\Construction\Sheet Files\General\F7504001_LG-002.dwg

C	1	2		3	4
	1. ALL STEEL WORK SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND IN ACCORDANCE WITH ASTM A36 UNLESS OTHERWISE NOTED.				
	2. 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 J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION". PAINTED SURFACES SHALL BE TOUCHED UP.				
C	3. BOLTED CONNECTIONS SHALL BE ASTM A325 BEARING TYPE (3/4"Ø) CONNECTIONS AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.				
	4. NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. ASTM A 307 BOLTS UNLESS NOTED OTHERWISE.				
	5. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S WRITTEN 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.				
C	6. ALL METAL WORK SHALL BE GALVANIZED IN ACCORDANCE WITH SPECIFICATION ASTM A123. ALL SHOP WELDED MEMBERS SHALL BE GALVANIZED AFTER WELDING.				
	C1	STRUCTURAL STEEL NOTES		A3	ABBREVIATIONS
	NTS			NTS	
B	1. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.				
	2. 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 CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.				
	3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.				
B	4. ALL TREES, RUBBISH, STUMPS, DEBRIS, STICKS, STONES, OTHER REFUSE, AND GRUBBING SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.				
	5. 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 CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.				
	6. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION.				
A	7. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE EQUIPMENT AND TOWER AREAS.				
	8. 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.				
	9. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.				
A	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 IN THE PROJECT SPECIFICATIONS.				
	11. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.				
	A1	SITE WORK GENERAL NOTES		A3	GENERAL NOTES
1	NTS			NTS	
2					
3					
4					

AGL	ABOVE GRADE LEVEL
(E)	EXISTING
MIN	MINIMUM
N.T.S.	NOT TO SCALE
REF	REFERENCE
RF	RADIO FREQUENCY
T.B.D.	TO BE DETERMINED
T.B.R.	TO BE RESOLVED
TYP	TYPICAL
REQ	REQUIRED
AWG	AMERICAN WIRE GAUGE
MGB	MASTER GROUND BUS
BCW	BARE COPPER WIRE
GEN	GENERATOR
IGR	INTERIOR GROUND RING (HALO)
RBS	RADIO BASE STATION
TGB	TOWER GROUND BAR
EGB	EXTERIOR GROUND BAR



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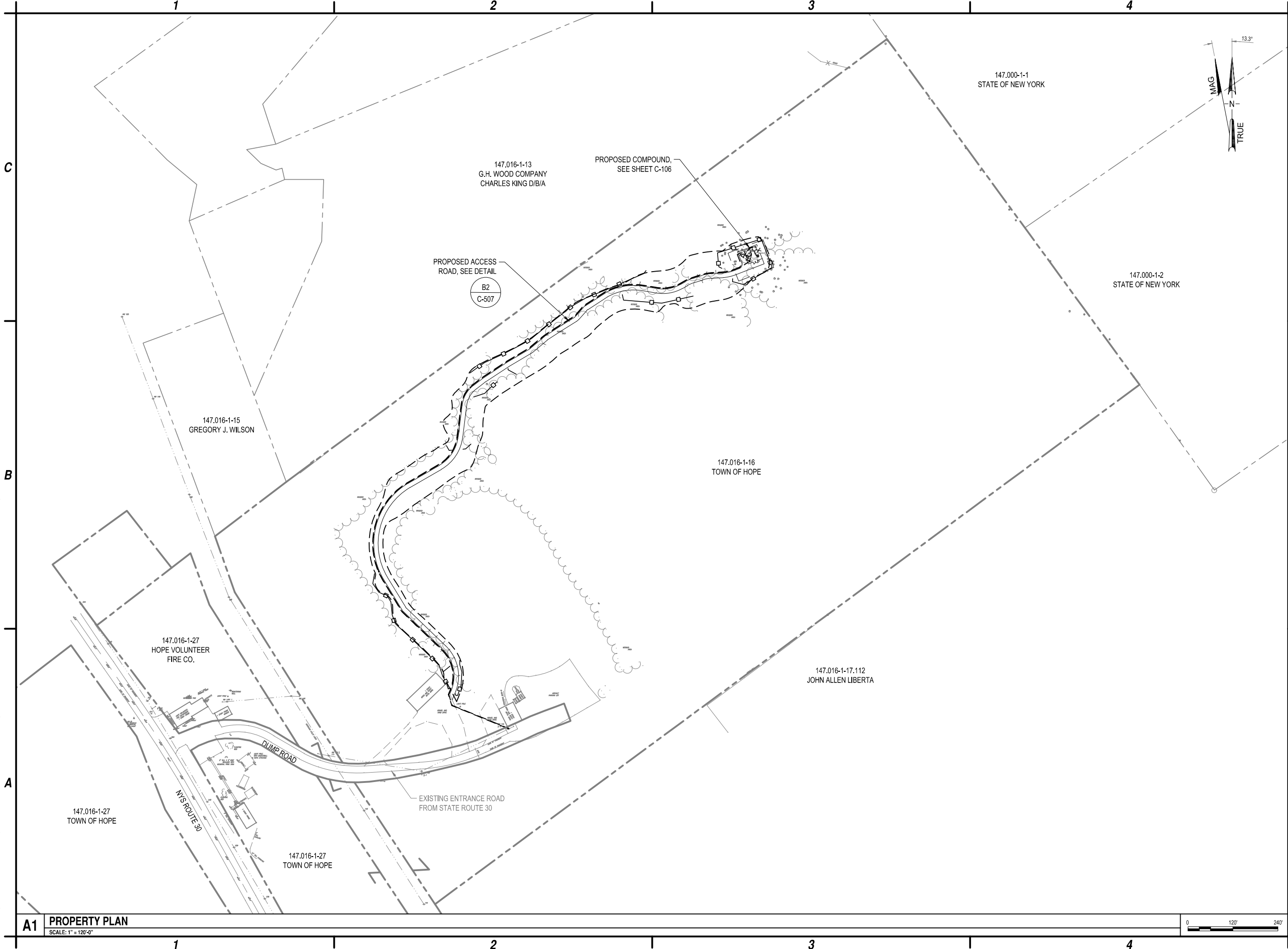
HAMILTON COUNTY
SITE NAME: TOWN OF HOPE
STATE ROUTE 30
HOPE FALLS, NY

1	5-29-24	SWPPP
0	2-12-24	ISSUED FOR PERMITTING
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: F75.001.001		
DATE: NOVEMBER 2023		
DRAWN BY: M. BUCKINGHAM		
DESIGNED BY: E.N. KENNA, P.E.		
CHECKED BY: E.N. KENNA, P.E.		
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GENERAL
NOTES

G-002

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HAMILTON COUNTY
SITE NAME: TOWN OF HOPE
STATE ROUTE 30
HOPE FALLS, NY

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0	2-12-24	ISSUED FOR PERMITTING
MARK	DATE	DESCRIPTION

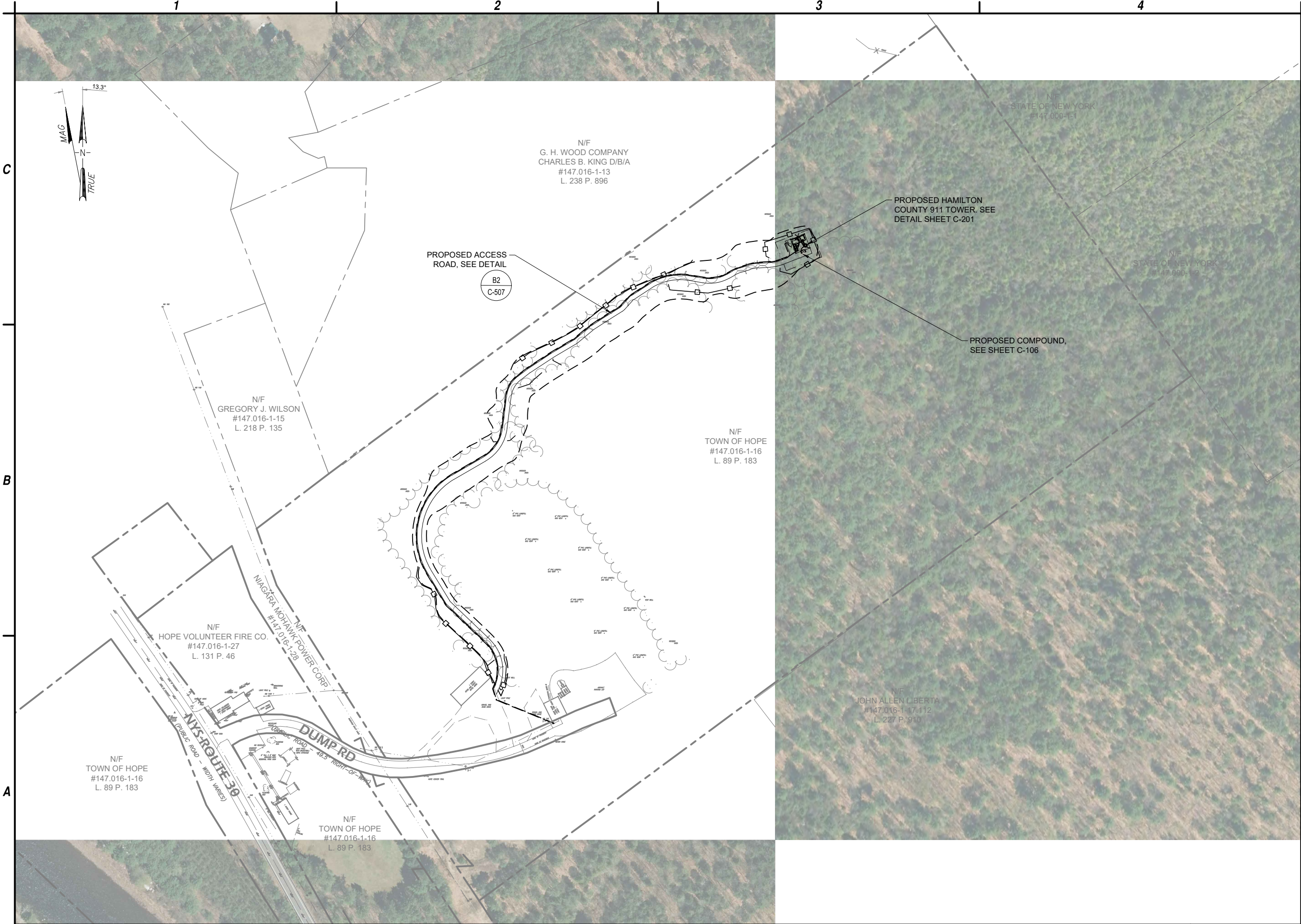
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PROPERTY
PLAN

C-100

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HAMILTON COUNTY
SITE NAME: TOWN OF HOPE
STATE ROUTE 30
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MARK	DATE	DESCRIPTION

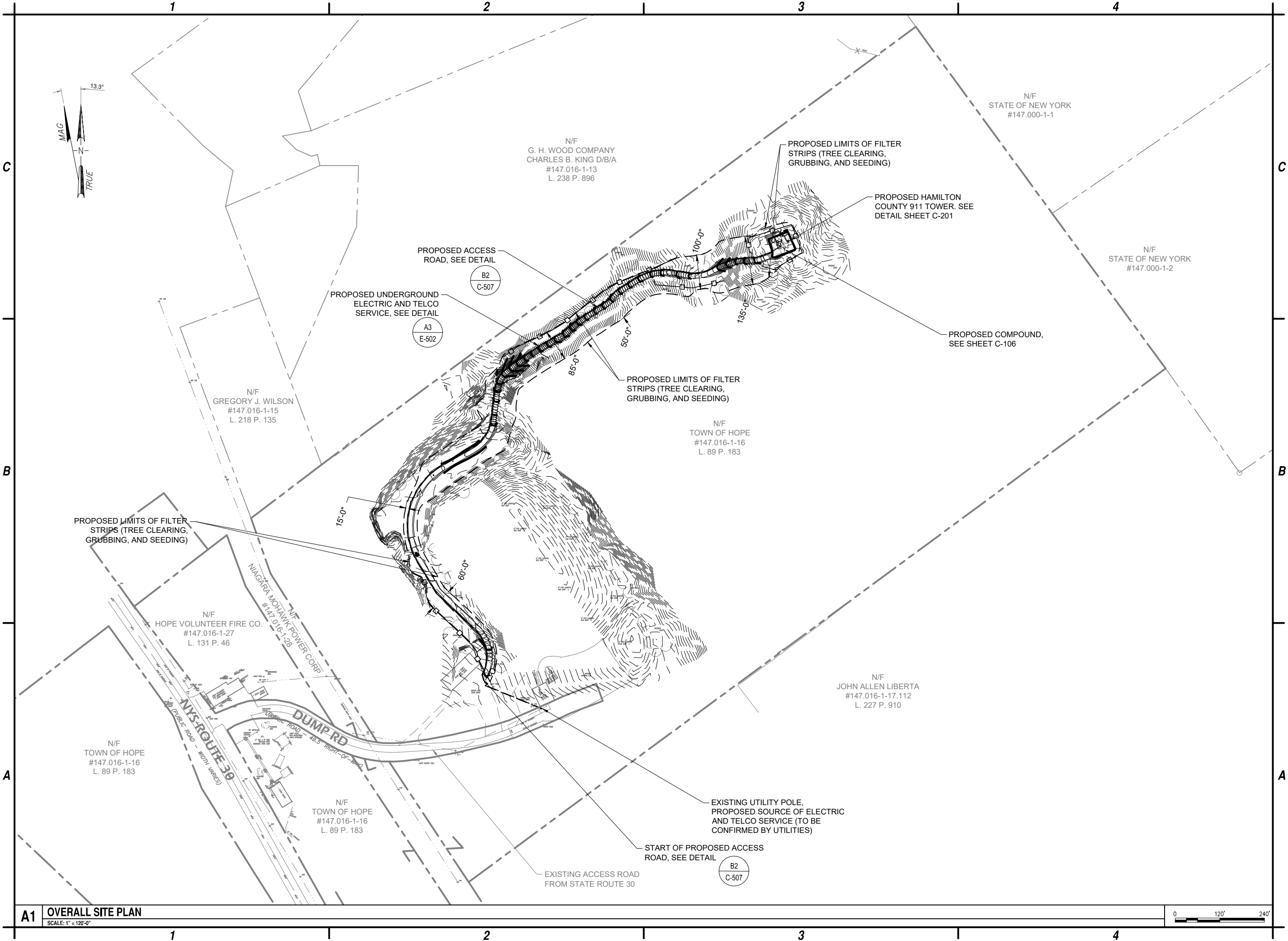
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OVERALL
AERIAL PLAN

C-100A

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A1 OVERALL SITE PLAN



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HAMILTON COUNTY
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HOPE FALLS, NY

1	5-29-24	SWPPP
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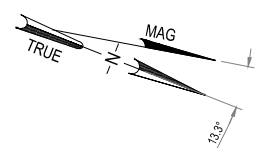
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**OVERALL
SITE PLAN**

C-101

1. IN AREAS WHERE SOIL DISTURBANCE ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, SOIL STABILIZATION MEASURES SHALL BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN FOURTEEN DAYS (SEVEN DAYS IF OPEN DISTRIBUTED AREA EXCEEDS 5 ACRES, OR THREE DAYS IF BETWEEN NOVEMBER 15TH AND APRIL 1ST).

3. ALL FILTER STRIPS WITHIN PHYSICALLY DISTURBED AREAS FROM GRADING ACTIVITIES ONLY ARE TO RECEIVE SOIL RESTORATION AT THE END OF CONSTRUCTION IN ACCORDANCE TO NYSDEC'S DEEP-RIPPING AND DE-COMPACTION. ALL OTHER FILTER STRIP AREAS TO BE MAINTAINED IN THEIR NATURAL STATE AND PROTECTED FROM DISTURBANCE



**HAMILTON COUNTY
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HOPE FALLS, NY**

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MARK	DATE	DESCRIPTION
REVISIONS		

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GRADING PLAN

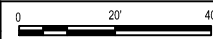
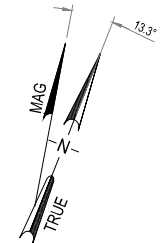
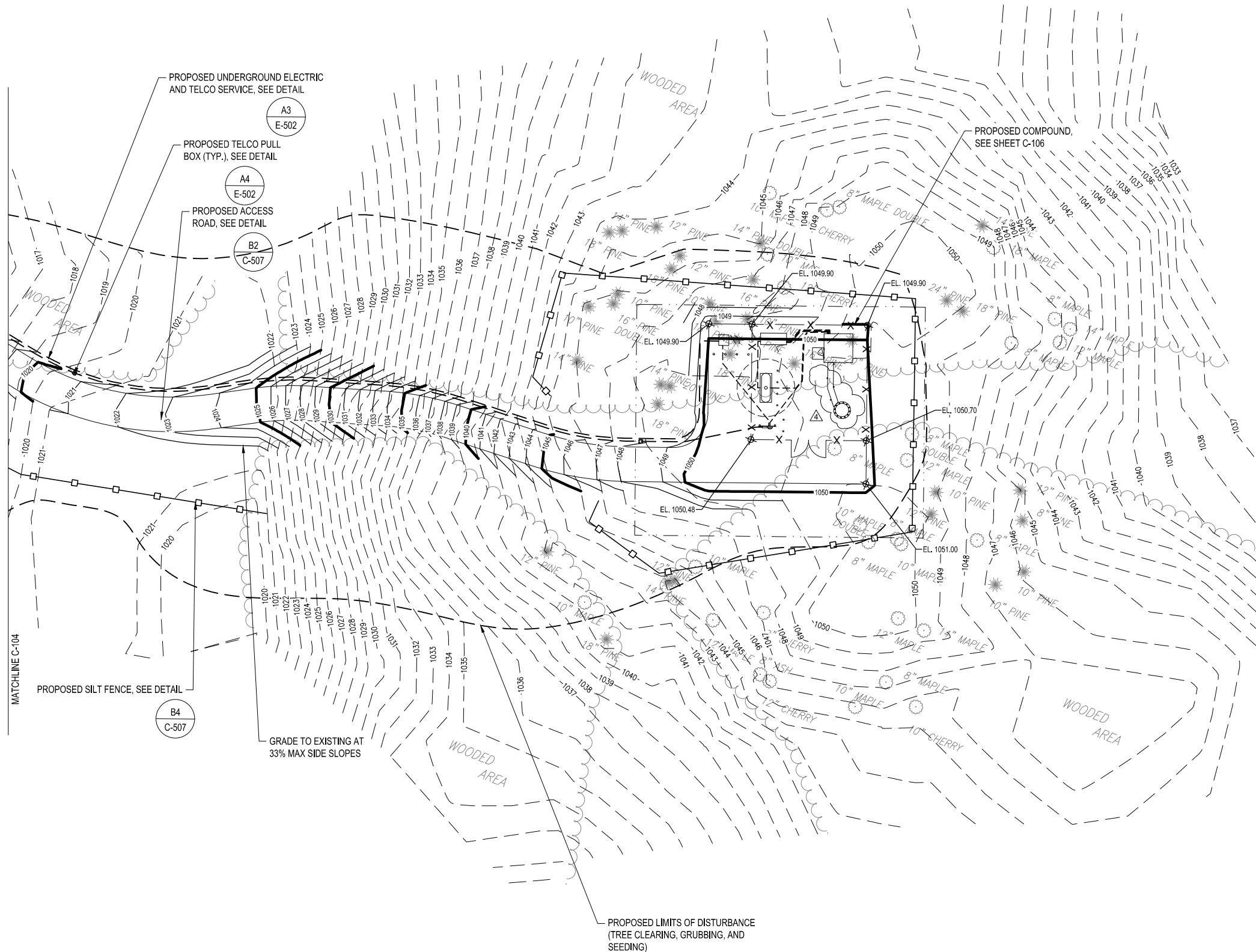
C-102

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A1

GRADING PLAN

SCALE: 1" = 20'-0"



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HAMILTON COUNTY
SITE NAME: TOWN OF HOPE
STATE ROUTE 30
HOPE FALLS, NY

MARK	DATE	DESCRIPTION
4	7-31-26	MONOPINE TOWER
3	7-17-26	TOWER AND SHELTER REV
2	8-2-24	TOWER ELEVATION

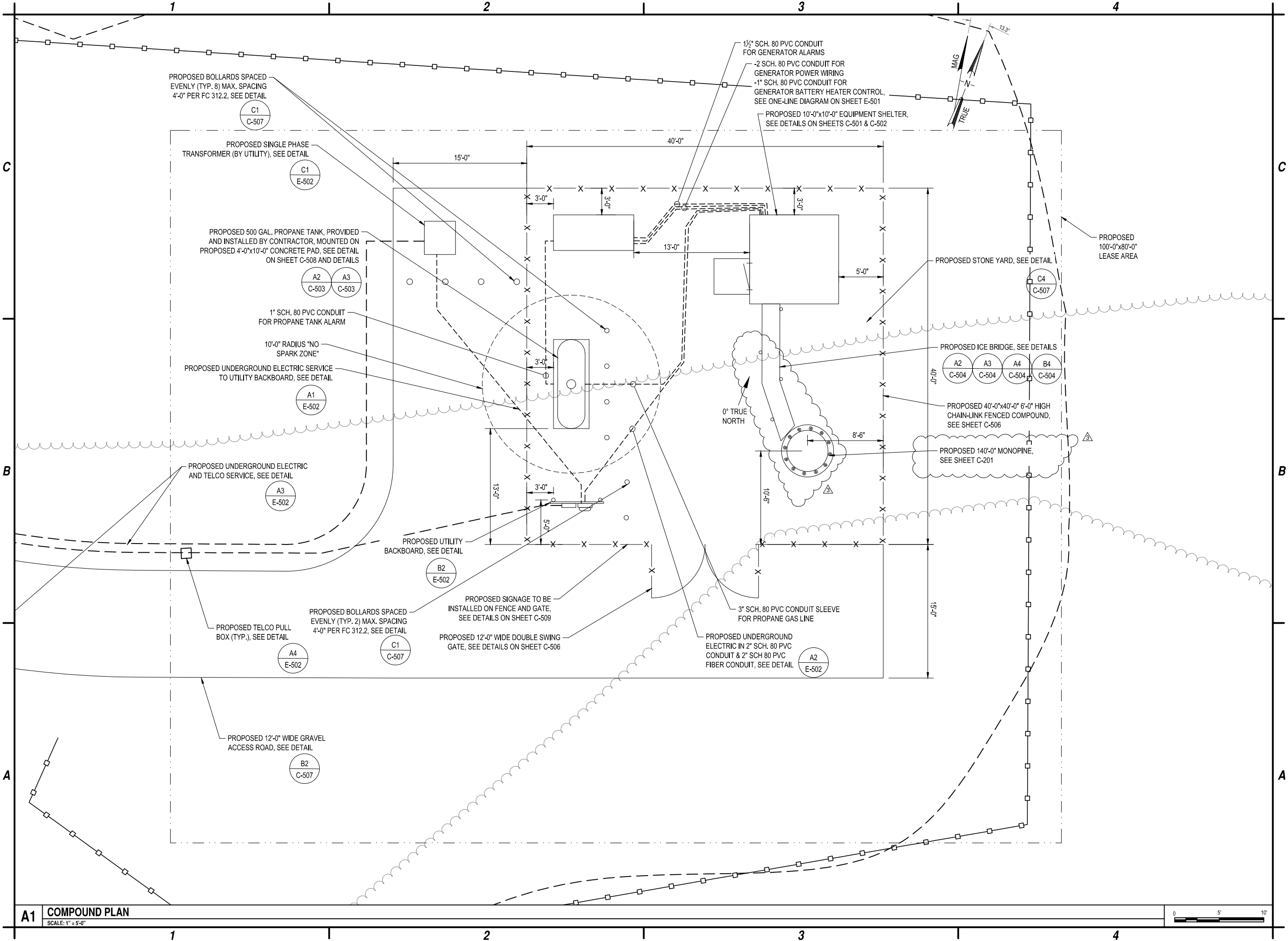
REVISIONS	
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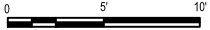
GRADING
PLAN

C-105

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A1 COMPOUND PLAN
SCALE: 1" = 5'-0"



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HAMILTON COUNTY
SITE NAME: TOWN OF HOPE
STATE ROUTE 30
HOPE FALLS, NY

3	7-31-26	MONOPINE TOWER
2	7-17-26	TOWER AND SHELTER REV
1	5-29-24	SWPPP
MARK	DATE	DESCRIPTION

REVISIONS

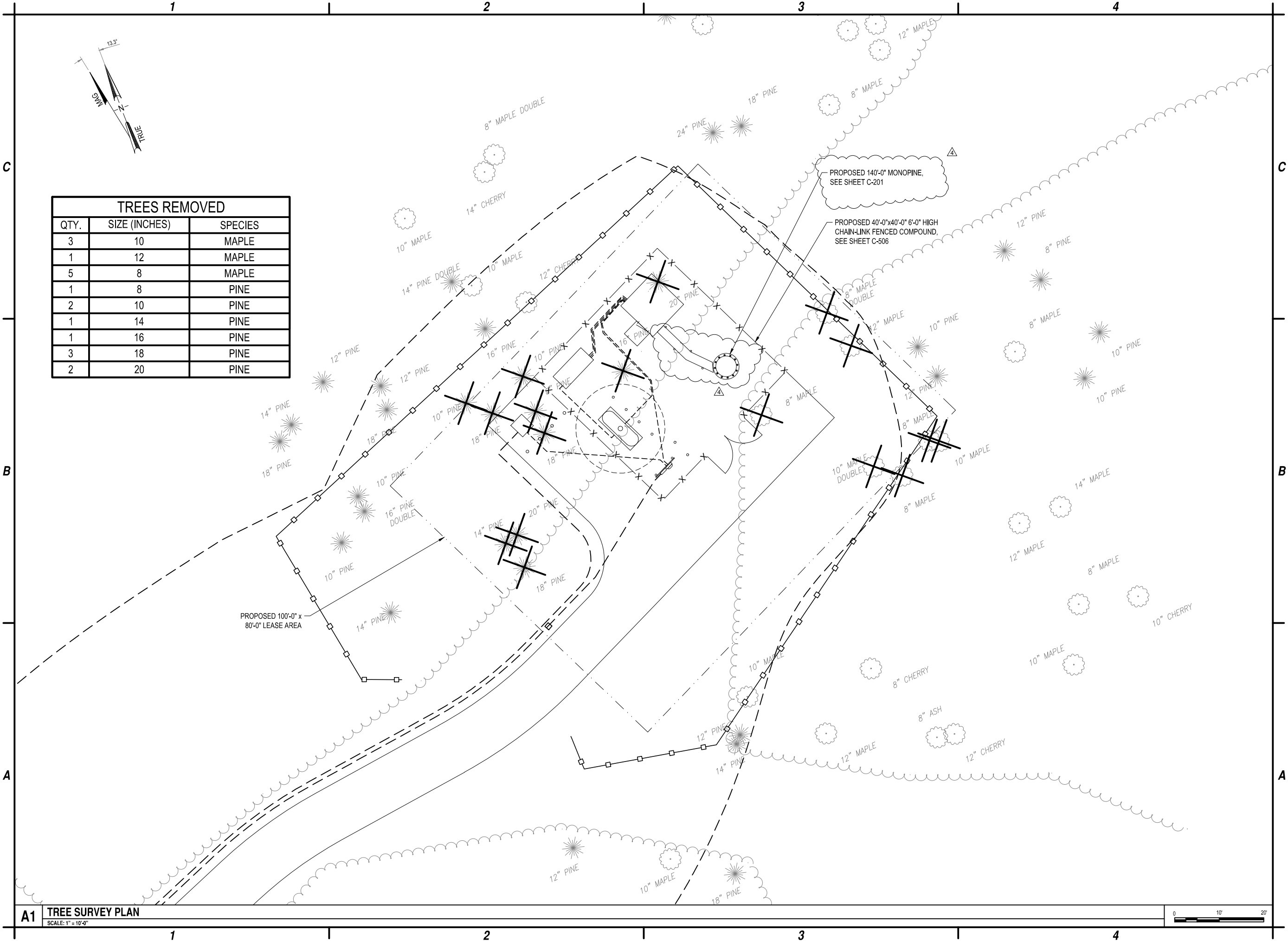
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**COMPOUND
PLAN**

C-106

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TREES REMOVED		
QTY.	SIZE (INCHES)	SPECIES
3	10	MAPLE
1	12	MAPLE
5	8	MAPLE
1	8	PINE
2	10	PINE
1	14	PINE
1	16	PINE
3	18	PINE
2	20	PINE



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REVISIONS	
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TREE
SURVEY PLAN

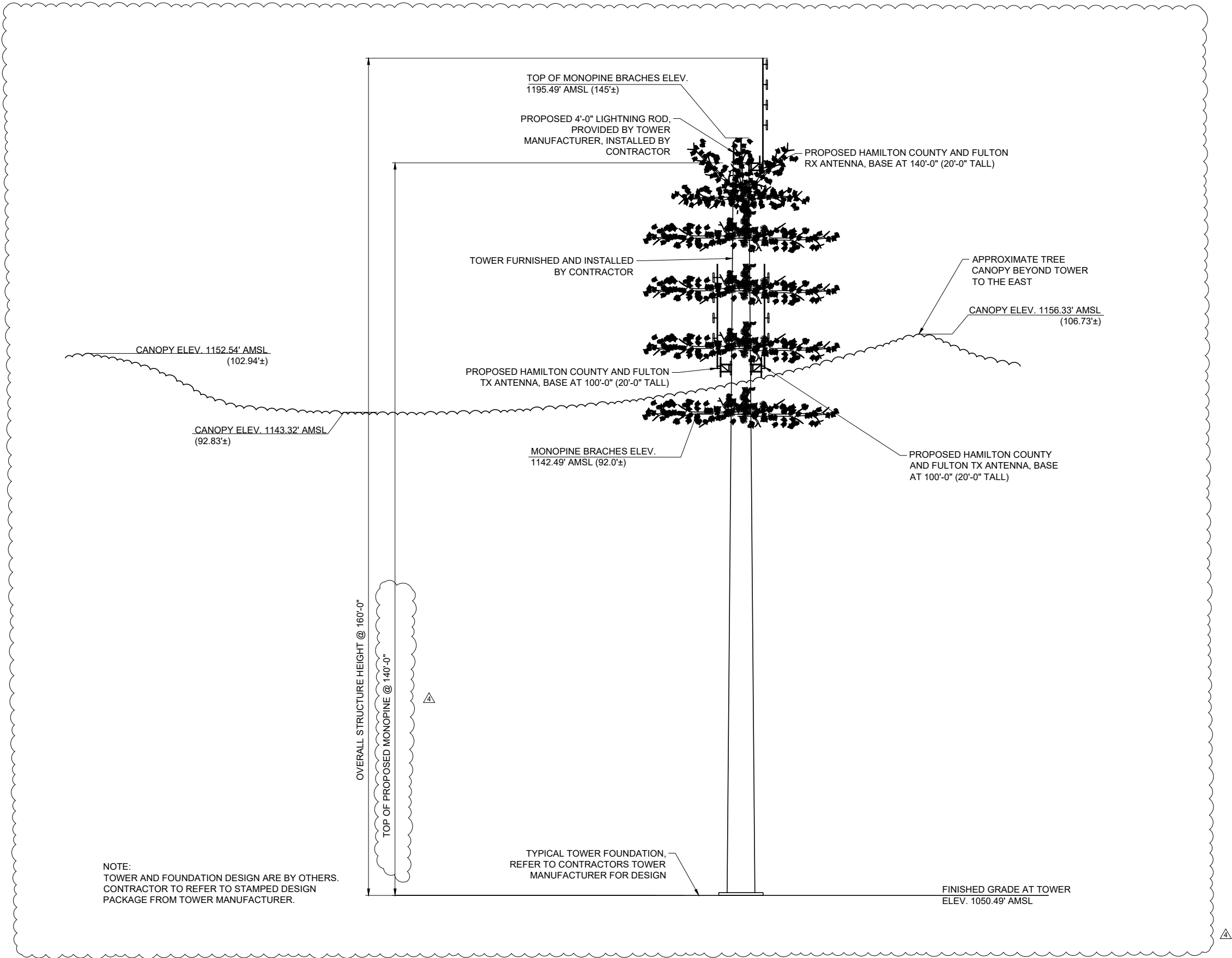
C-107

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C

B

A



C

B

A



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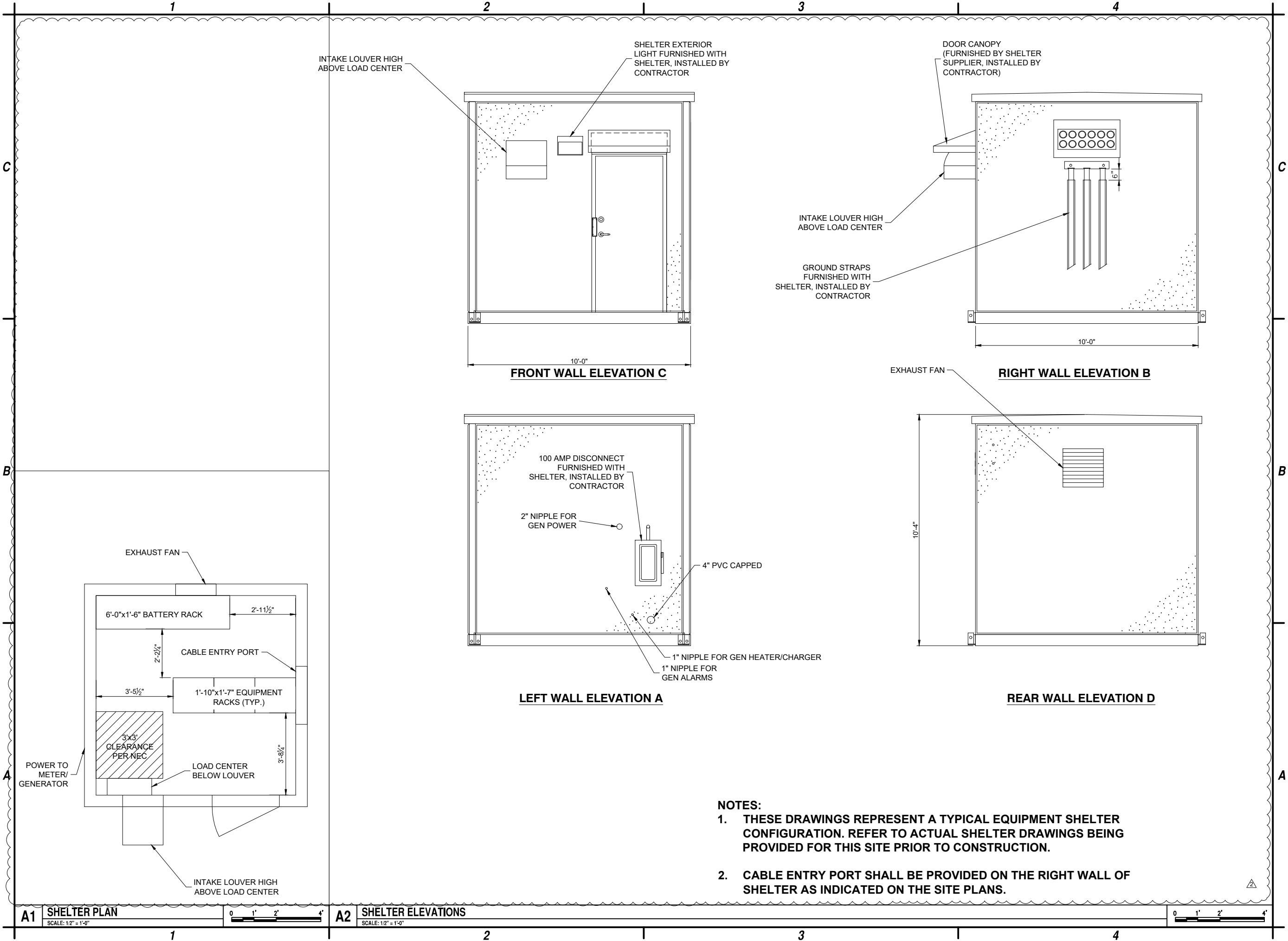
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TOWER
ELEVATION

C-201

A1 TOWER ELEVATION
NTS

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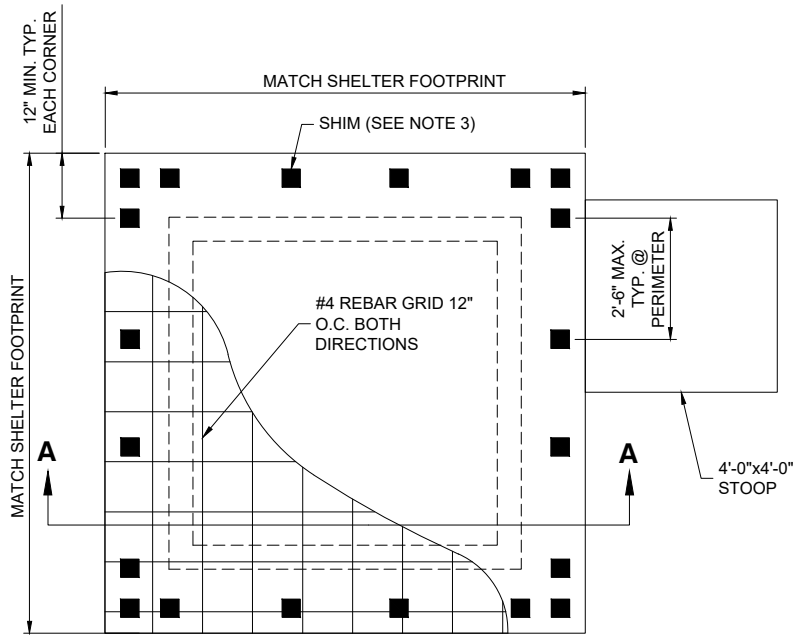
HAMILTON COUNTY
SITE NAME: TOWN OF HOPE
STATE ROUTE 30
HOPE FALLS, NY

MARK	DATE	DESCRIPTION
2	7-17-26	TOWER AND SHELTER REV
1	5-29-24	SWPPP
0	2-12-24	ISSUED FOR PERMITTING
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EQUIPMENT
SHELTER
DETAILS

C-501

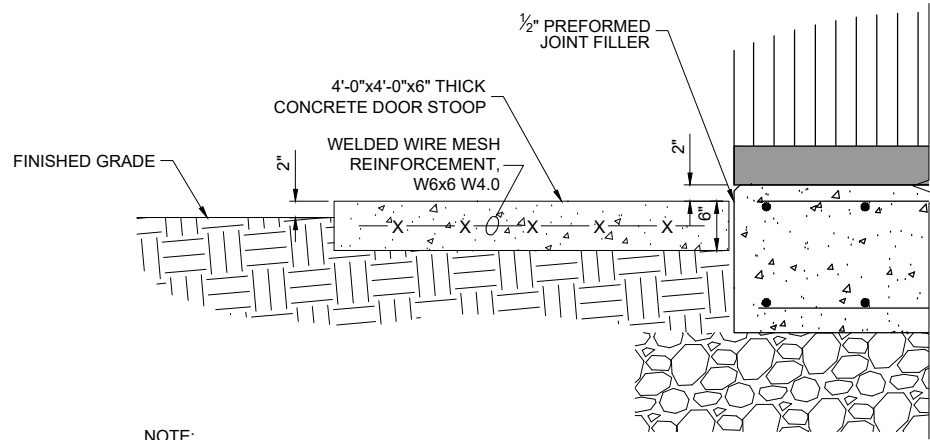
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SHELTER FOUNDATION NOTES:

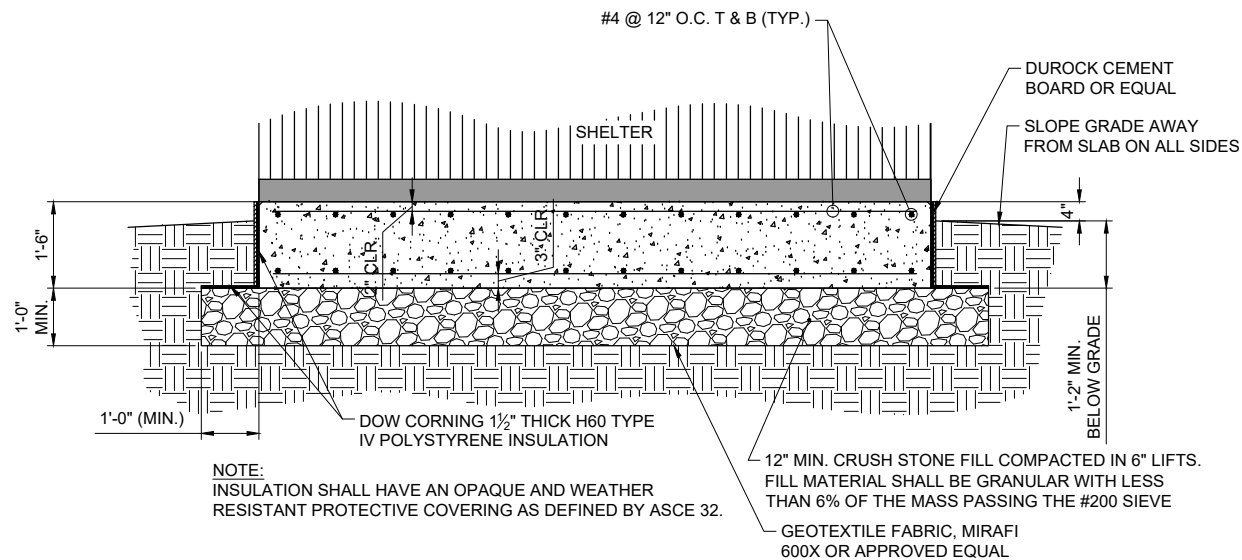
1. FOUNDATION SURFACE SHALL BE LEVEL TO WITHIN $\pm\frac{1}{8}$ " PER 10 LINEAR FEET IN ANY DIRECTION.
2. FOUNDATION SHALL BE SQUARE TO WITHIN $\pm\frac{1}{4}$ ".
3. SHELTER MUST BE SHIMMED TO LEVEL ABOVE IRREGULARITIES IN SLAB AND BUILDING FLOOR SYSTEM. SHIM HARDNESS NOT LESS THAN 60 DUROMETER OR COMPRESSIVE STRENGTH 9,000 PSI MIN. SHIMS NOT LESS THAN 3" SQUARE, THICKNESS AS REQUIRED.
4. PROVIDE PROPER DRAINAGE AWAY FROM FOUNDATION AT GRADE.
5. SLAB REINFORCEMENT TO BE LOCATED IN UPPER THIRD OF SLAB.
6. REFER TO SHELTER DRAWINGS FOR ADDITIONAL INFORMATION.

A1 SHELTER FOUNDATION PLAN VIEW
NTS



NOTE:
ALIGN CENTER OF STOOP WITH
CENTER OF SHELTER DOOR

B3 DOOR STOOP DETAIL
NTS



NOTE:
INSULATION SHALL HAVE AN OPAQUE AND WEATHER
RESISTANT PROTECTIVE COVERING AS DEFINED BY ASCE 32.

A3 SHELTER FOUNDATION SECTION A-A
NTS



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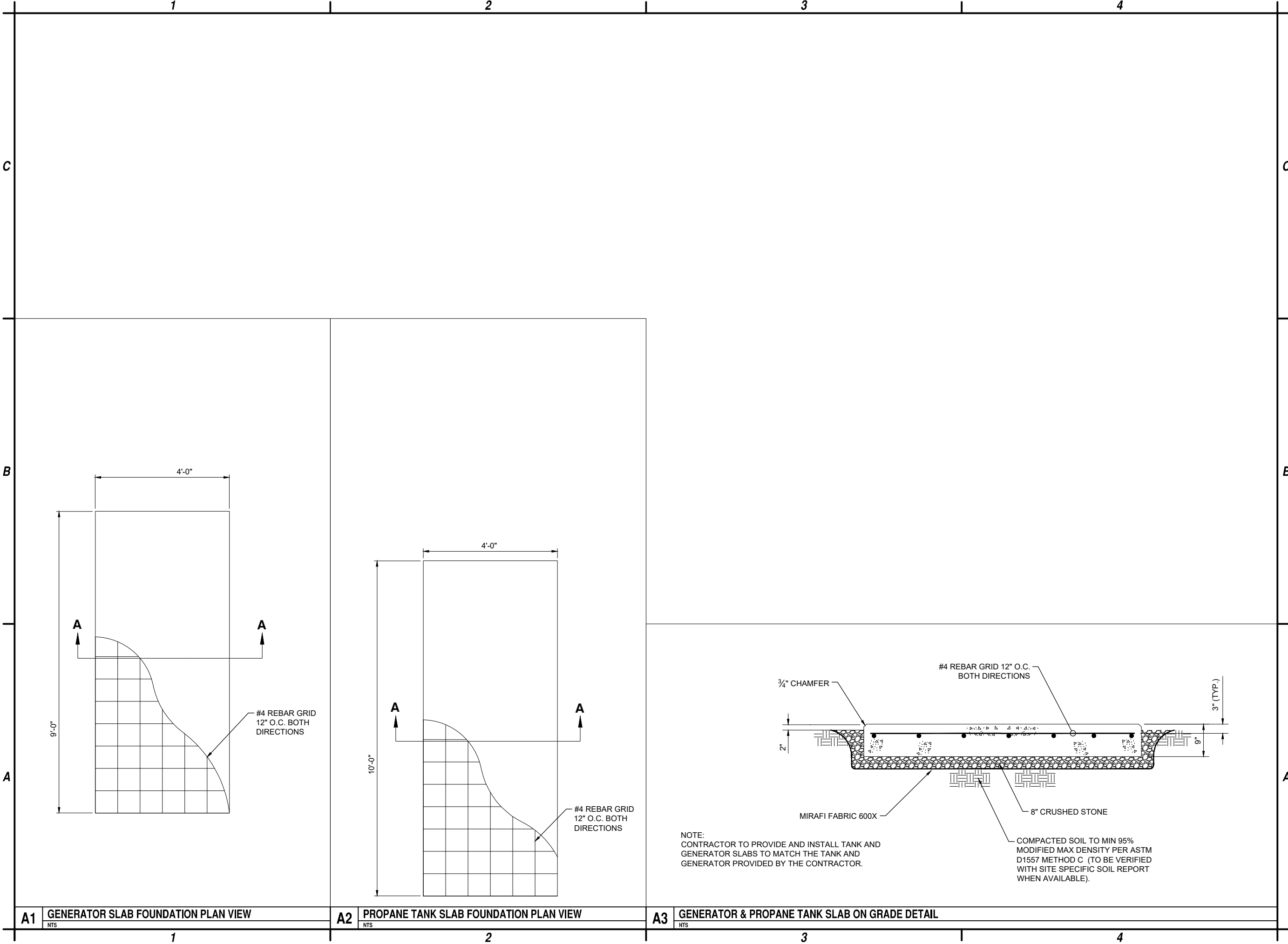
HAMILTON COUNTY
SITE NAME: TOWN OF HOPE
STATE ROUTE 30
HOPE FALLS, NY

MARK	DATE	DESCRIPTION
2	7-17-26	TOWER AND SHELTER REV
1	5-29-24	SWPPP
0	2-12-24	ISSUED FOR PERMITTING
REVISIONS		
PROJECT NO: F75.001.001		
DATE: NOVEMBER 2023		
DRAWN BY: M. BUCKINGHAM		
DESIGNED BY: E.N. KENNA, P.E.		
CHECKED BY: E.N. KENNA, P.E.		
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**SHELTER
FOUNDATION
DETAILS**

C-502

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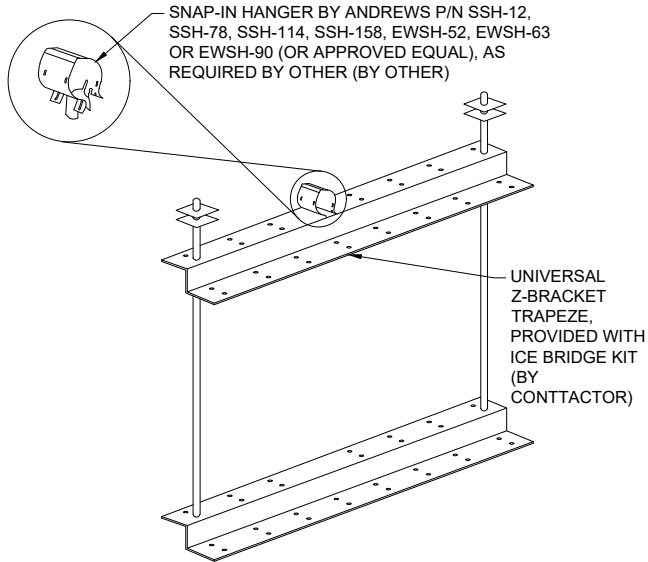
HAMILTON COUNTY
SITE NAME: TOWN OF HOPE
STATE ROUTE 30
HOPE FALLS, NY

1	5-29-24	SWPPP
0	2-12-24	ISSUED FOR PERMITTING
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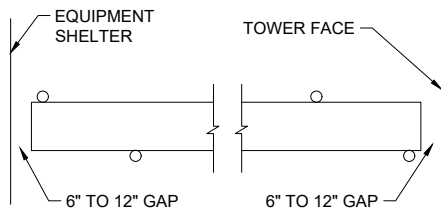
FOUNDATION
DETAILS

C-503

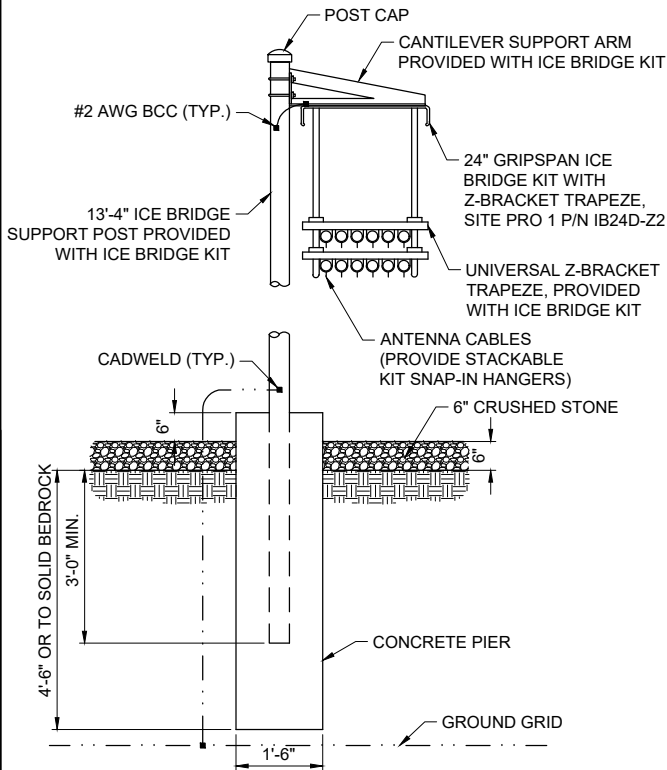
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A1 TRAPEZE KIT DETAIL
NOT TO SCALE

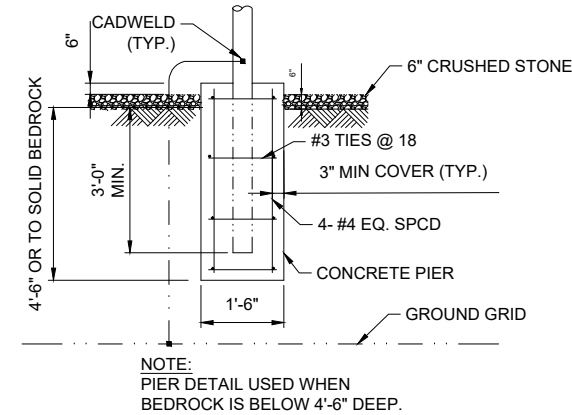


A2 ICE BRIDGE PLAN VIEW
NOT TO SCALE

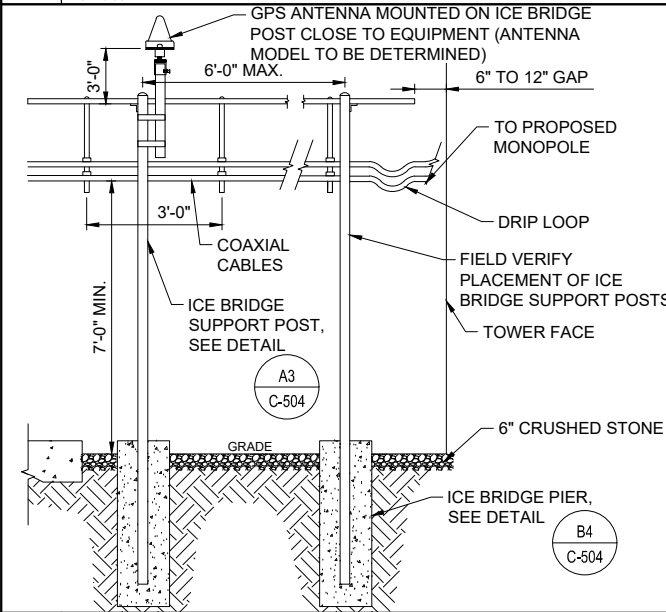


- NOTES:**
1. USE SITE PRO 1 PARTS OR APPROVED EQUAL.
 2. SUPPORT POSTS SHALL BE STAGGERED ON BOTH SIDES OF ICE BRIDGE SPACED NO MORE THAN 6'-0" BETWEEN POSTS.
 3. ANY SPLICES OR CANTILEVERED SECTIONS OF THE ICE BRIDGE SHALL BE LOCATED WITHIN 2'-0" OF A SUPPORT POST.

A3 ICE BRIDGE PIER DETAIL
NOT TO SCALE



B4 POST CONNECTION DETAIL
NOT TO SCALE



A4 ICE SHIELD - ICE BRIDGE ELEVATION
NOT TO SCALE



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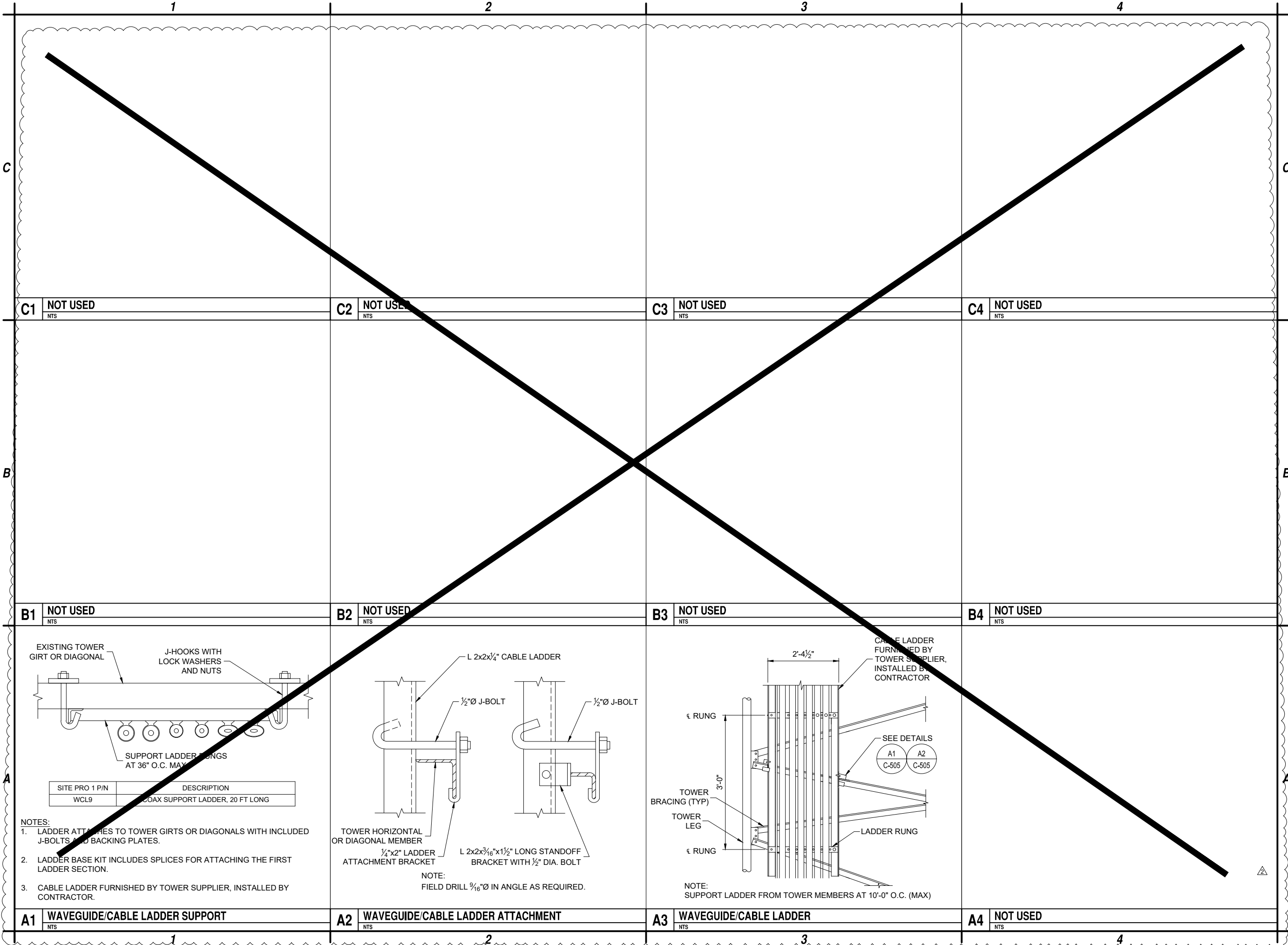
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SITE NAME: TOWN OF HOPE
STATE ROUTE 30
HOPE FALLS, NY

1	5-29-24	SWPPP
0	2-12-24	ISSUED FOR PERMITTING
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REVISIONS		
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**ICE BRIDGE
DETAILS**

C-504

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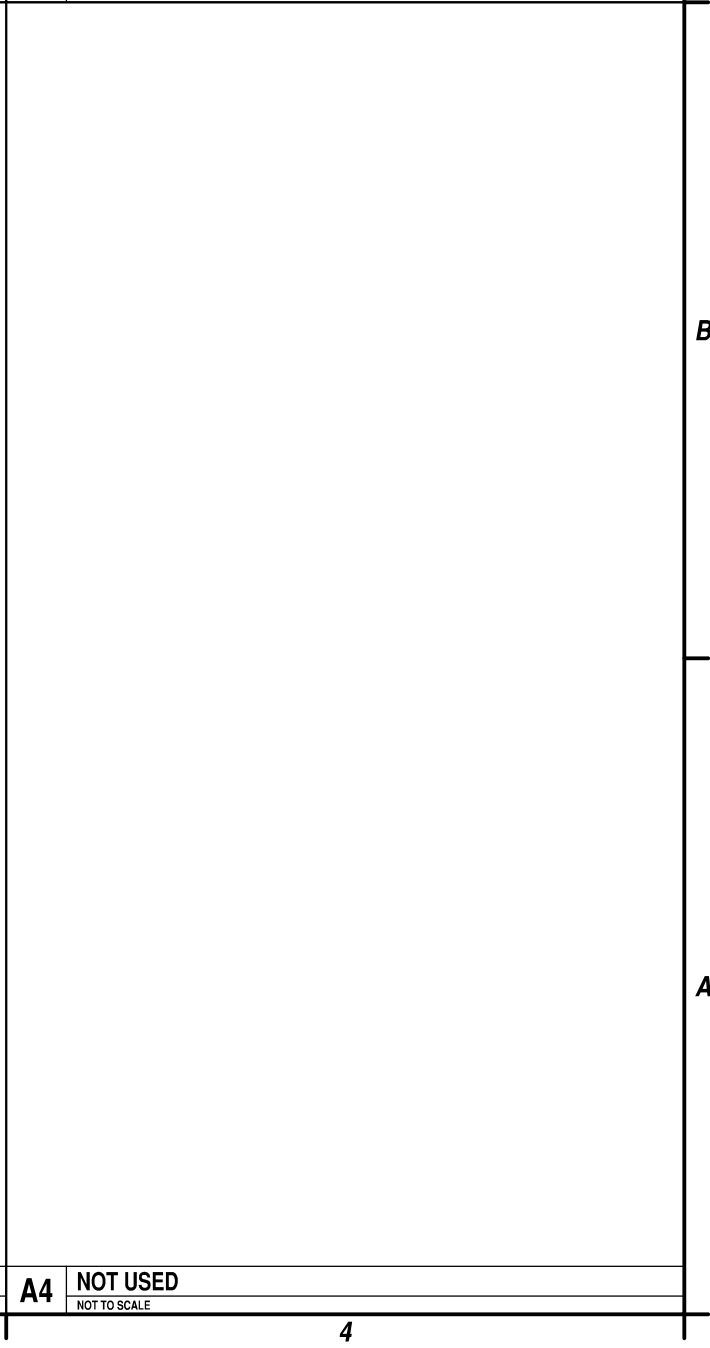
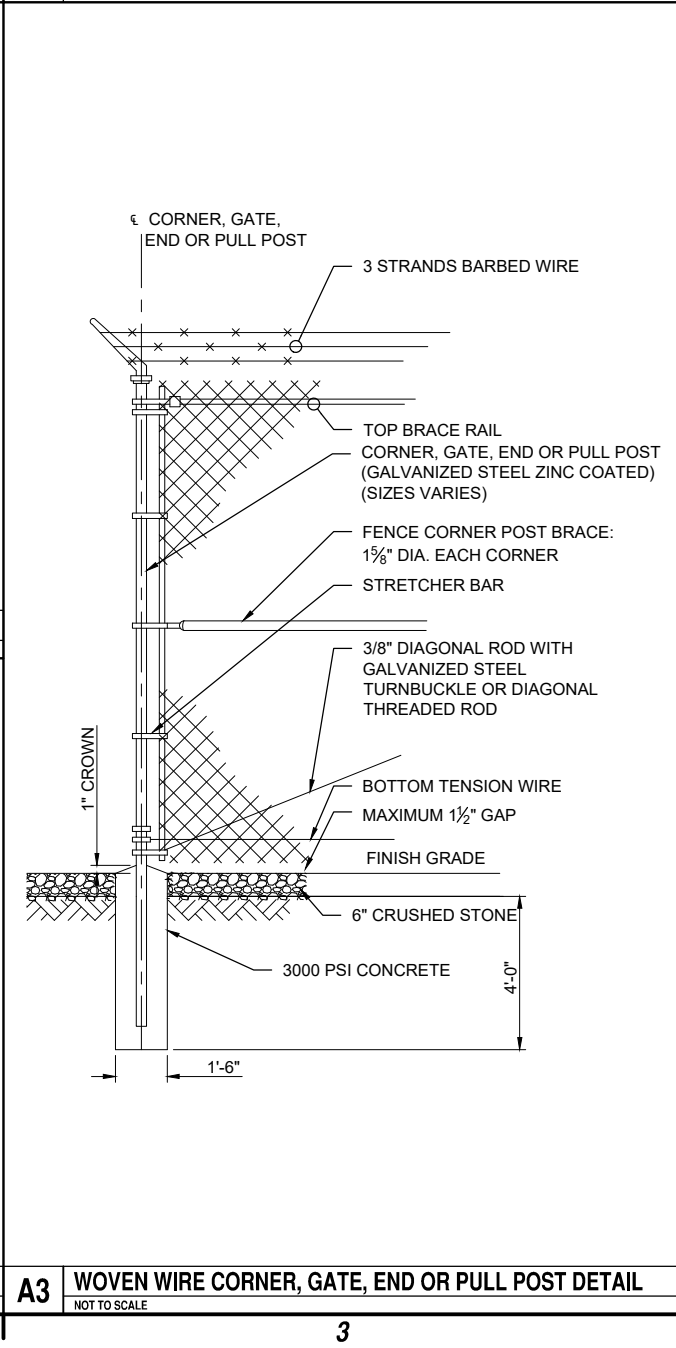
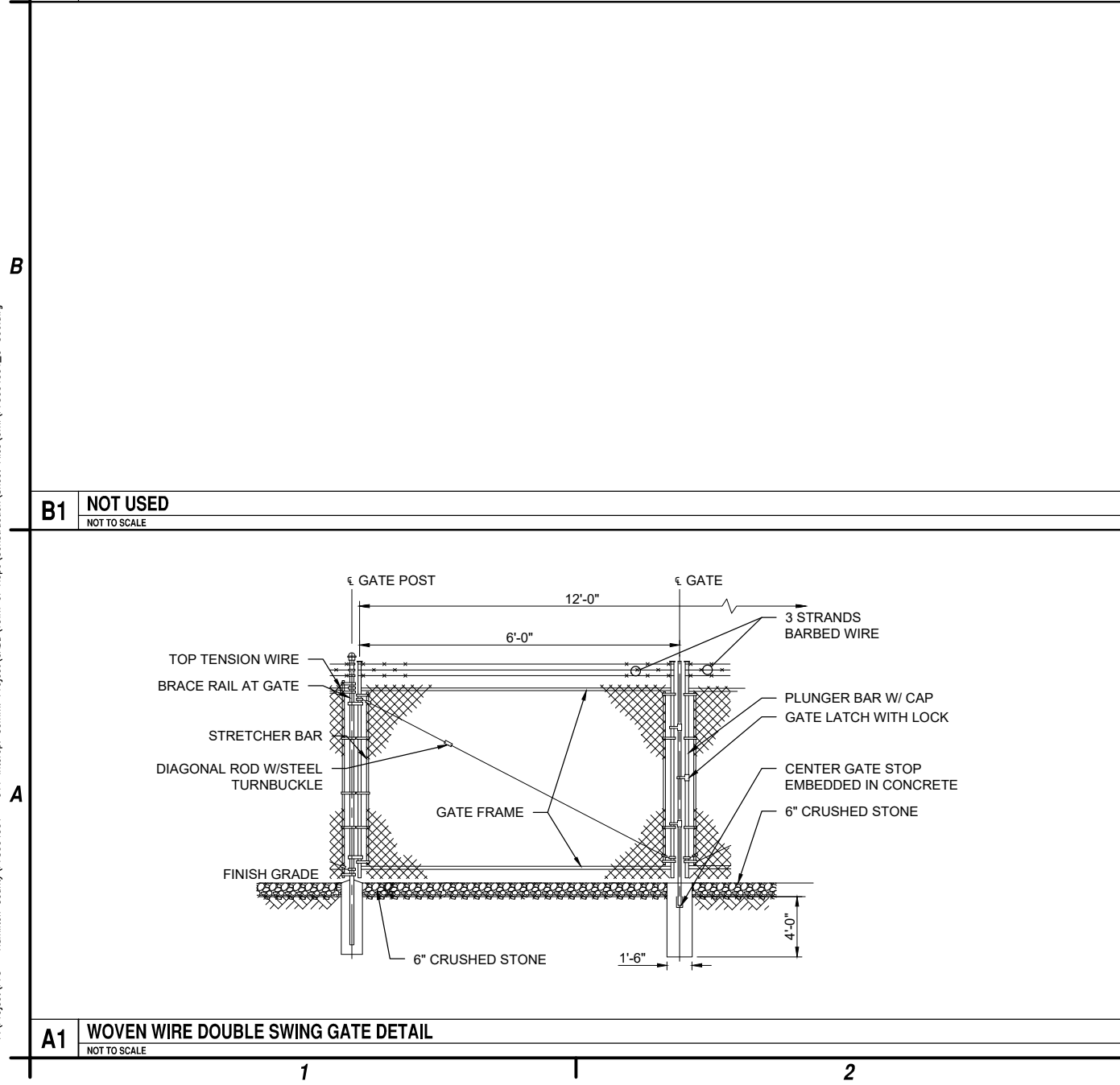
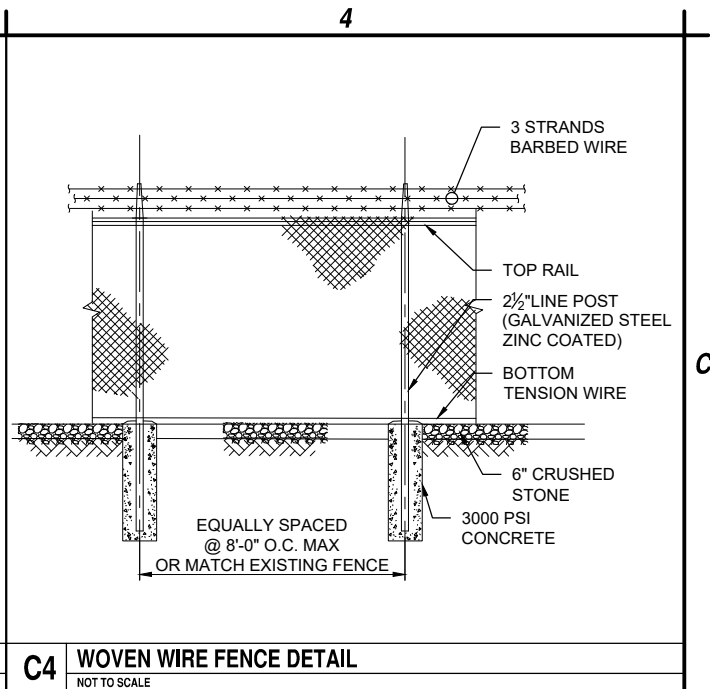
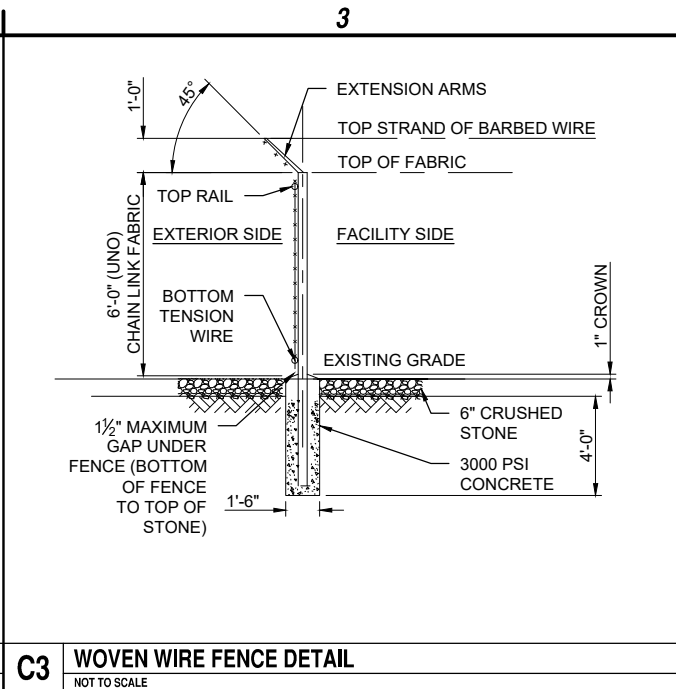
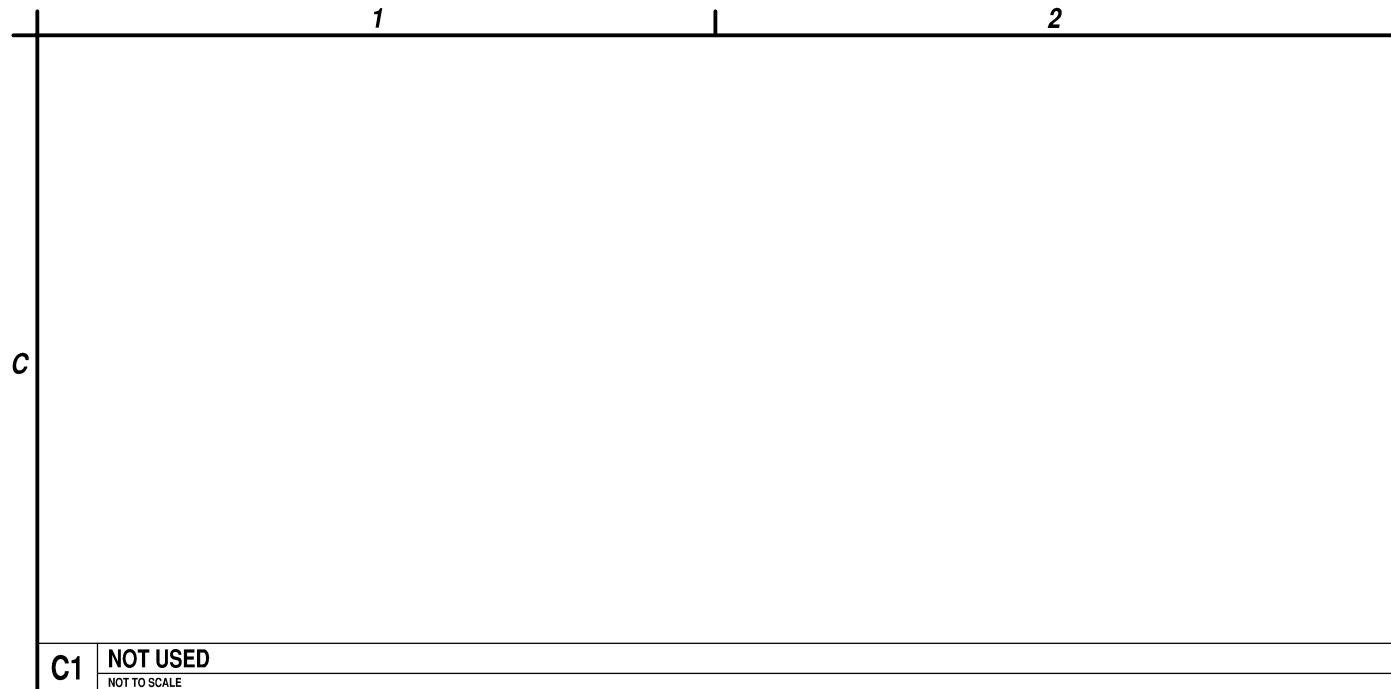
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2	7-31-26	MONOPINE TOWER
1	5-29-24	SWPPP
0	2-12-24	ISSUED FOR PERMITTING
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: F75.001.001		
DATE: NOVEMBER 2023		
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WAVEGUIDE/ CABLE
DETAILS

C-505

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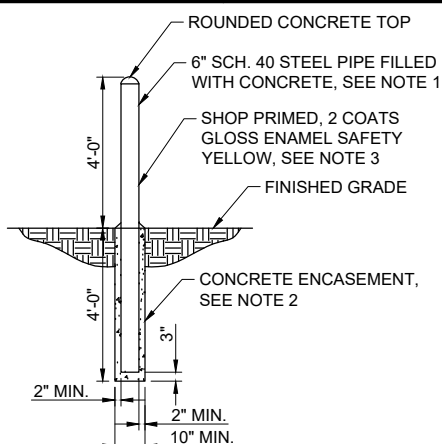
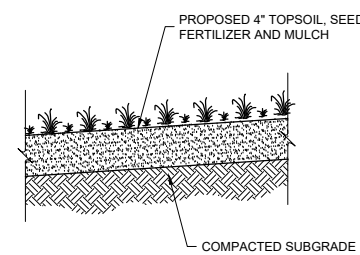
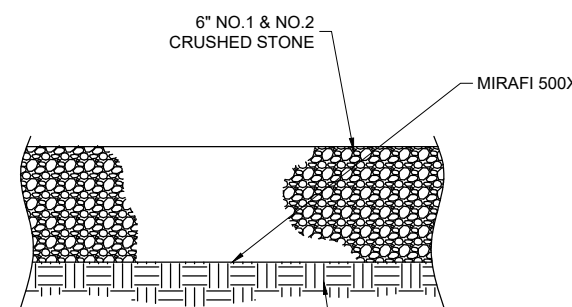
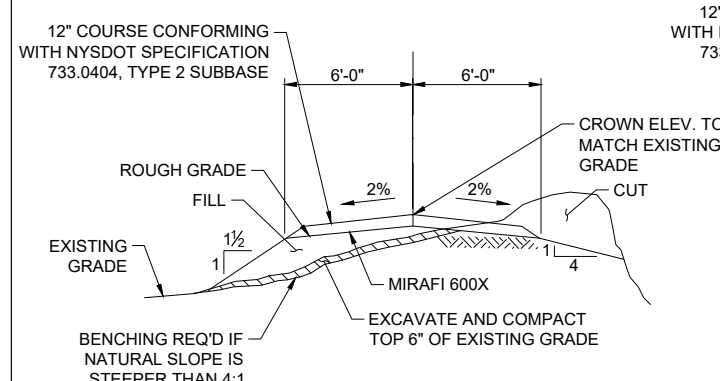
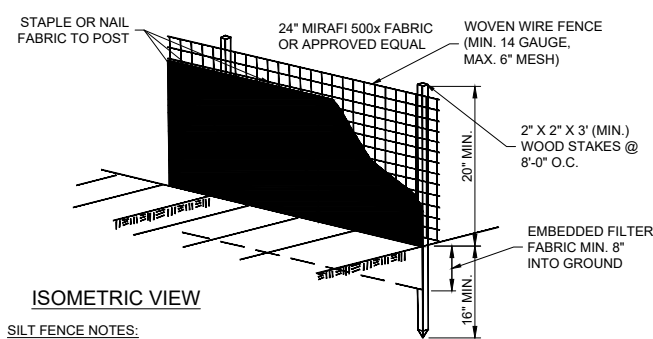
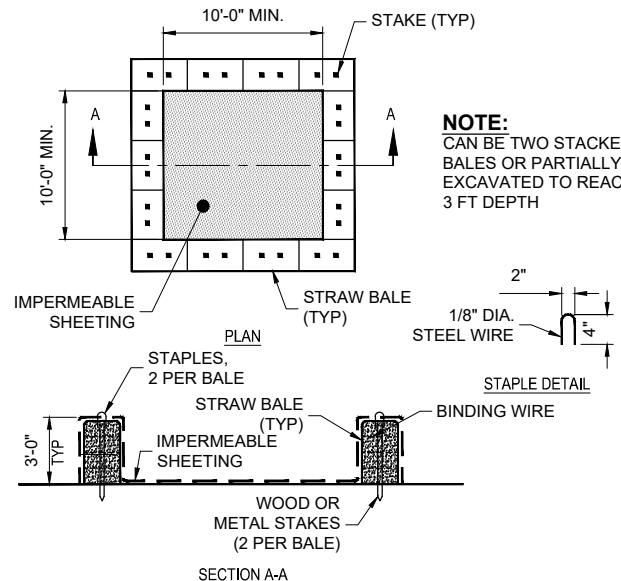
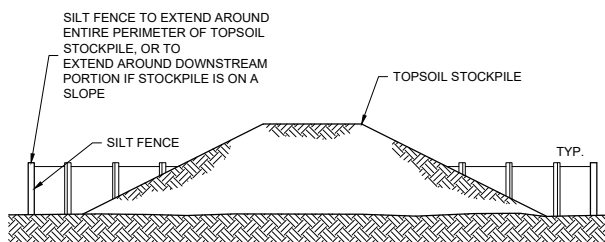
HAMILTON COUNTY
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HOPE FALLS, NY

1	5-29-24	SWPPP
0	2-12-24	ISSUED FOR PERMITTING
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: F75.001.001		
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FENCE
DETAILS

C-506

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C	1	 ROUNDED CONCRETE TOP 6" SCH. 40 STEEL PIPE FILLED WITH CONCRETE, SEE NOTE 1 SHOP PRIMED, 2 COATS GLOSS ENAMEL SAFETY YELLOW, SEE NOTE 3 FINISHED GRADE CONCRETE ENCASEMENT, SEE NOTE 2 2" MIN. 2" MIN. 10" MIN. NOTES: - PIPE SHALL BE SCHEDULE 40 BLACK STEEL PIPE CONFORMING TO ASTM A120.. - CONTRACTOR SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,000 PSI AND SHALL CONFORM TO CLASS A CONCRETE AS SPECIFIED IN SECTION 501 OF THE NYSDOT STANDARD SPECIFICATIONS. - PRIMER SHALL BE A ZINC YELLOW-IRON OXIDE-BASE PAINT CONFORMING TO FEDERAL SPECIFICATION TT-P-57, TYPE II. TOPCOATS SHALL BE A HIGH GLOSS ALKYD ENAMEL PAINT CONFORMING TO FEDERAL SPECIFICATION TT-E-489.	2	 PROPOSED 4" TOPSOIL, SEED FERTILIZER AND MULCH COMPACTED SUBGRADE NOTES: REFER TO APPENDIX C-3 OF SWPPP REPORT, STANDARD AND SPECIFICATIONS FOR PERMANENT CONSTRUCTION AREA PLANTING	3	 6" NO.1 & NO.2 CRUSHED STONE MIRAFI 500X COMPACT SUBGRADE AND SURFACING TO PRODUCE AN UNYIELDING SURFACE NOTE: EXTEND 1'-0" BEYOND FENCE UNLESS NOTED OTHERWISE.
C1	PROTECTIVE BOLLARD DETAIL	C3	TYPICAL GRASS RESTORATION DETAIL	C4	STONE YARD	
B	1	1. SCHEDULE A PRE-CONSTRUCTION MEETING THAT SHALL BE ATTENDED BY THE QUALIFIED INSPECTOR, AND INVOLVED SUBCONTRACTORS TO DISCUSS RESPONSIBILITIES AS THEY RELATE TO THE IMPLEMENTATION OF THE SWPPP MEASURES TO AVOID AND MINIMIZE IMPACTS TO PROTECTED SPECIES DURING REMEDIATION, DEMOLITION AND CONSTRUCTION. 2. INSTALL THE STABILIZED CONSTRUCTION ENTRANCE FOR THE PROJECT AS SHOWN ON THE PLANS. 3. ESTABLISH LOCATION FOR STAGING AREA AND SOIL STOCKPILE AS SHOWN ON THE PLANS. IF THESE AREAS ARE NOT CONDUCTIVE DUE TO ANY UNFORESEEN CONDITIONS, THE CONTRACTOR SHALL IDENTIFY A NEW LOCATION FOR REVIEW AND APPROVAL BY THE ENGINEER. 4. INSTALL ALL SILT / CONSTRUCTION FENCE FOR THE PROJECT AS SHOWN ON THE PLANS INCLUDING THE INSTALLATION OF SILT FENCE SURROUNDING THE PERIMETER OF THE SOIL STOCKPILE, STAGING AREA, AND AT THE DOWN GRADIENT SIDE OF THE COMPOUND AREA. 5. SELECTIVELY CLEAR ONLY THE AREAS REQUIRED FOR THE FOLLOWING: INSTALLATION OF THE STABILIZED FACILITY ENTRANCE, PLACEMENT OF THE CONSTRUCTION OFFICE TRAILER AND PARKING AREAS, PLACEMENT OF TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES, CONSTRUCTION STAGING AREA, THE SOIL STOCKPILE, AND THE MINIMAL AREAS IDENTIFIED TO BE GRADED. 6. INSTALL ALL SWALES /BASINS AND/OR BERMS AS SHOWN ON THE PLANS. TOPSOIL, SEED, AND MULCH THE SWALES. ROLLED EROSION CONTROL FABRICS, TURF REINFORCEMENT MATS, MULCH ANCHORING TO BE INSTALLED AS NEEDED AND IN AREAS OF CONCENTRATED FLOW. 7. CONTRACTOR TO INSTALL THE ACCESS ROADWAYS AS SHOWN ON THE PLANS. 8. PROVIDE TEMPORARY SEEDING AND STABILIZATION MEASURES OF ANY DISTURBED AREAS IN ACTIVE AREAS ON THE NEXT BUSINESS DAY AND COMPLETED IN FOURTEEN DAYS. 9. CONSTRUCT TOWER FOUNDATION, SHELTER FOUNDATION, AND OTHER CONCRETE UTILITY PADS. INSTALL UNDERGROUND CONDUITS AND STONE YARD. ASSEMBLE TOWER, SHELTER, AND FENCE. INSTALL REMAINING ITEMS FOR THE COMPOUND. 10. COMPLETE OVERALL ON-SITE STABILIZATION. 11. UPON ESTABLISHMENT OF SUBSTANTIAL VEGETATIVE COVER (85% MIN.) REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS. SEED AND MULCH THE REMAINING DISTURBED AREAS (RESULTING FROM TEMPORARY EROSION CONTROL MEASURE REMOVAL). 12. REMOVE SILT FENCING ONLY AFTER DISTURBED SURFACES ARE STABILIZED. 13. UPON FINAL STABILIZATION, AND CERTIFICATION BY THE NYSDEC AND THE QUALIFIED PROFESSIONAL RETAINED TO PERFORM THE REQUIRED SITE INSPECTIONS, THE OWNER SHALL FILE THE NOTICE OF TERMINATION (NOT) WITH THE NYSDEC.  12" COURSE CONFORMING WITH NYSDOT SPECIFICATION 733.0404, TYPE 2 SUBBASE 6'-0" 6'-0" ROUGH GRADE FILL EXISTING GRADE 1 1/2 2% 2% CROWN ELEV. TO MATCH EXISTING GRADE CUT MIRAFI 600X EXCAVATE AND COMPACT TOP 6" OF EXISTING GRADE BENCHING REQ'D IF NATURAL SLOPE IS STEEPER THAN 4:1 NOTE: REMOVE ANY SOFT SOILS EXCAVATED DURING INSTALLATION OF ACCESS ROAD.	2	 STAPLE OR NAIL FABRIC TO POST 24" MIRAFI 500x FABRIC OR APPROVED EQUAL WOVEN WIRE FENCE (MIN. 14 GAUGE, MAX. 6" MESH) 20" MIN. 2" X 2" X 3" (MIN.) WOOD STAKES @ 8'-0" O.C. EMBEDDED FILTER FABRIC MIN. 8" INTO GROUND 16" MIN. ISOMETRIC VIEW SILT FENCE NOTES: - WOVEN WIRE FENCE SHALL BE SECURELY FASTENED TO FENCE POSTS WITH WIRE TIES OR STAPLES. - SILT FENCE FABRIC SHALL BE SECURELY FASTENED TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID-SECTION, WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED. - MAINTENANCE SHALL BE PROVIDED BY THE CONTRACTOR AS DIRECTED BY ENGINEER AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE. - CONTRACTOR SHALL REMOVE THE SILT FENCE AT THE APPROPRIATE TIME, DRESS THE DISTURBED AREAS, AND DISPOSE OF THE SILT FENCE. B4 SILT FENCE DETAIL		
A1	CONSTRUCTION SEQUENCE	A2	TEMPORARY CONCRETE WASH-OUT AREA (STRAW BALE) DETAIL	A4	TYPICAL TOPSOIL STOCKPILE DETAIL	
A	1	 10'-0" MIN. STAKE (TYP) 10'-0" MIN. NOTE: CAN BE TWO STACKED BALES OR PARTIALLY EXCAVATED TO REACH 3 FT DEPTH IMPERMEABLE SHEETING STRAW BALE (TYP) PLAN STAPLES, 2 PER BALE STRAW BALE (TYP) IMPERMEABLE SHEETING BINDING WIRE WOOD OR METAL STAKES (2 PER BALE) SECTION A-A 2" 1/8" DIA. STEEL WIRE CONSTRUCTION SPECIFICATIONS - LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC. - SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP. - PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL. - PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY. - KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. - PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.	2	 SILT FENCE TO EXTEND AROUND ENTIRE PERIMETER OF TOPSOIL STOCKPILE, OR TO EXTEND AROUND DOWNSTREAM PORTION IF STOCKPILE IS ON A SLOPE TOPSOIL STOCKPILE TYP. TEMPORARY TOPSOIL STOCKPILE NOTES: - REFER TO SILT FENCE DETAIL FOR MATERIALS AND INSTALLATION METHODS. - IF THE STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, IT SHALL BE STABILIZED WITH BURLAP MATTING OR SEEDING WITHIN 7 DAYS OF COMPLETION TO MINIMIZE EROSION. - INSPECTION OF SILT FENCE SHALL BE AT LEAST ONCE PER WEEK AND AFTER RAIN EVENTS IN EXCESS OF 1/2". REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED. - SEDIMENT TRAPPED BY THE SILT FENCE SHALL BE REMOVED AND PROPERLY DISPOSED OF WHENEVER SIGNIFICANT ACCUMULATION OCCURS. - SILT FENCE SHALL BE MAINTAINED IN PLACE UNTIL TOPSOIL STOCKPILE HAS BEEN ELIMINATED AND SHALL BE REMOVED ONLY WHEN DIRECTED BY THE ENGINEER. - TOPSOIL STOCKPILE LOCATION SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE OWNER OR AN AUTHORIZED REPRESENTATIVE A4 TYPICAL TOPSOIL STOCKPILE DETAIL		



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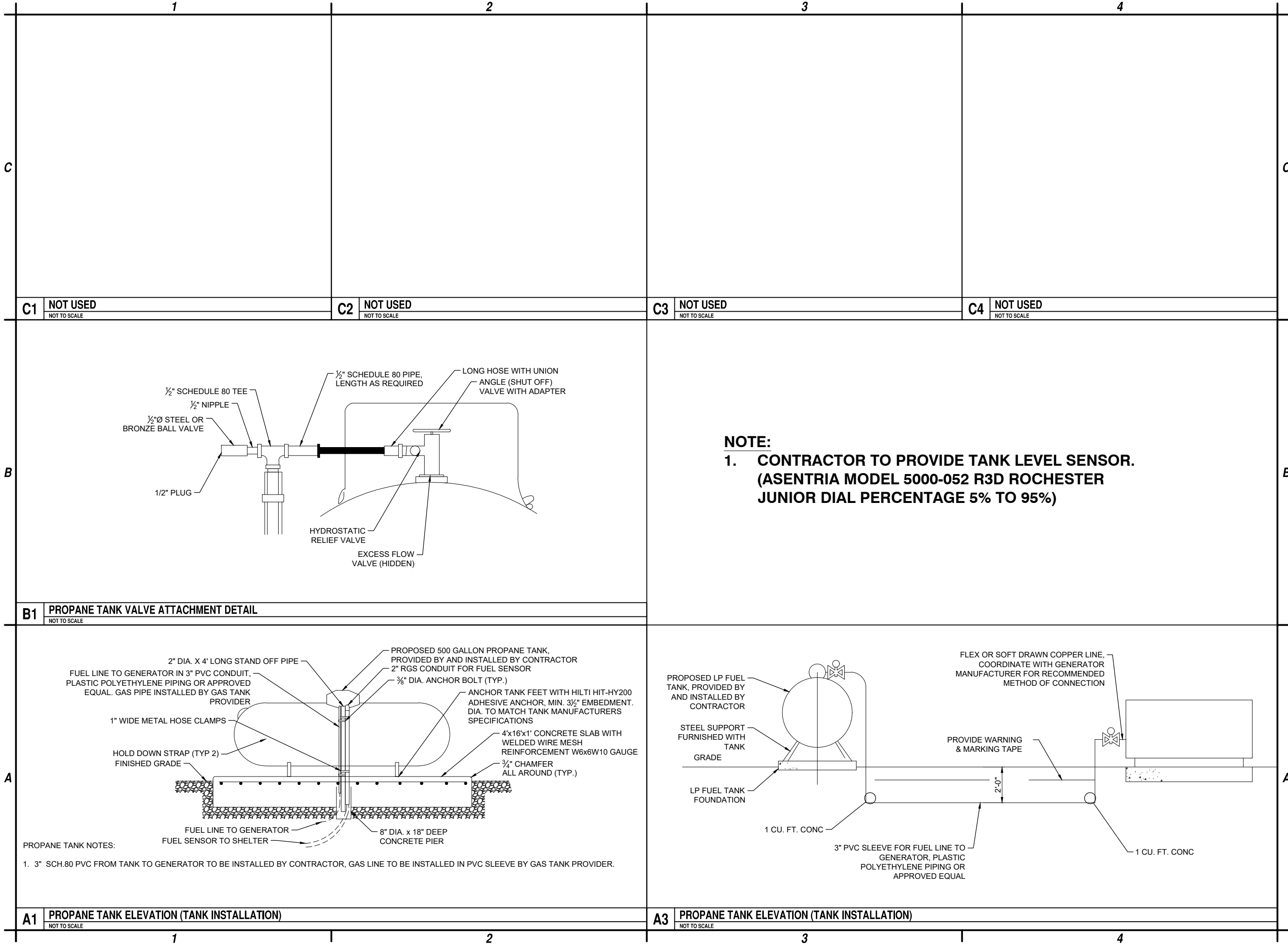
HAMILTON COUNTY
SITE NAME: TOWN OF HOPE
STATE ROUTE 30
HOPE FALLS, NY

1	5-29-24	SWPPP
0	2-12-24	ISSUED FOR PERMITTING
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: F75.001.001		
DATE: NOVEMBER 2023		
DRAWN BY: M. BUCKINGHAM		
DESIGNED BY: E.N. KENNA, P.E.		
CHECKED BY: E.N. KENNA, P.E.		
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SITE DETAILS

C-507

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HAMILTON COUNTY
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STATE ROUTE 30
HOPE FALLS, NY

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C-508

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HAMILTON COUNTY
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SIGN DETAILS AND SPECIFICATIONS

C-509

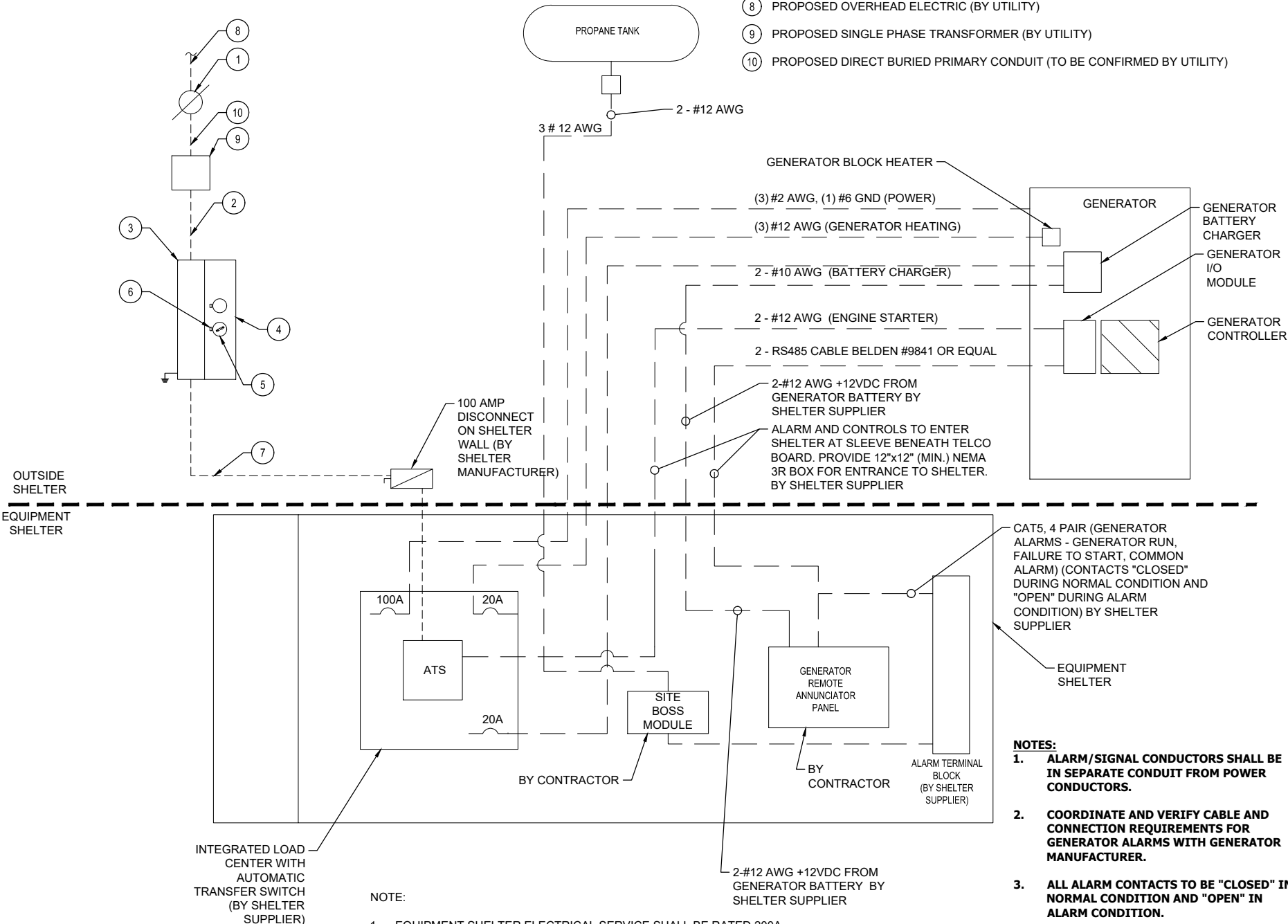
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ELECTRICAL INSTALLATION NOTES

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE LOCAL CODES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
5. CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.
6. EACH END OF EVERY POWER, POWER PHASE CONDUCTOR (I.E., HOTS), GROUNDING, 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.
7. 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).
8. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
9. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
10. 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, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
11. POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
12. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (90°C IF AVAILABLE).
13. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
14. RIGID GALVANIZED STEEL INTERMEDIATE (RGS) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.
15. ELECTRICAL METALLIC TUBING (EMT) SHALL BE USED FOR ALL INDOOR LOCATIONS.
16. RIGID NONMETALLIC CONDUIT (I.E., 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.
17. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
18. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.
19. CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
20. 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.
21. 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.
22. METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-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.
23. 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.
24. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.

A2

POWER ONE-LINE DIAGRAM



- 1 EXISTING UTILITY POLE, PROPOSED SOURCE OF ELECTRIC SERVICE (BY UTILITY).
- 2 1 - 4" SCH. 80 PVC CONDUIT WITH (3) 350 KCMIL AND (1) #1/0 AWG GND (FINAL DESIGN TO BE CONFIRMED BY UTILITY)
- 3 400A, 240V, SINGLE PHASE, NEMA 3R SQUARE D TERMINAL BOX
- 4 240V, SINGLE PHASE, 2 GANG NEMA 3R METER BASE, 225A MAX BRANCH CIRCUIT
- 5 PROPOSED HAMILTON COUNTY METER (METER BY UTILITY)
- 6 100A 2-POLE BREAKER (BY CONTRACTOR)
- 7 3-#2 AWG 1-#6 GND IN 2" SCH. 80 PVC CONDUIT
- 8 PROPOSED OVERHEAD ELECTRIC (BY UTILITY)
- 9 PROPOSED SINGLE PHASE TRANSFORMER (BY UTILITY)
- 10 PROPOSED DIRECT BURIED PRIMARY CONDUIT (TO BE CONFIRMED BY UTILITY)

NOTES:

1. ALARM/SIGNAL CONDUCTORS SHALL BE IN SEPARATE CONDUIT FROM POWER CONDUCTORS.
2. COORDINATE AND VERIFY CABLE AND CONNECTION REQUIREMENTS FOR GENERATOR ALARMS WITH GENERATOR MANUFACTURER.
3. ALL ALARM CONTACTS TO BE "CLOSED" IN NORMAL CONDITION AND "OPEN" IN ALARM CONDITION.



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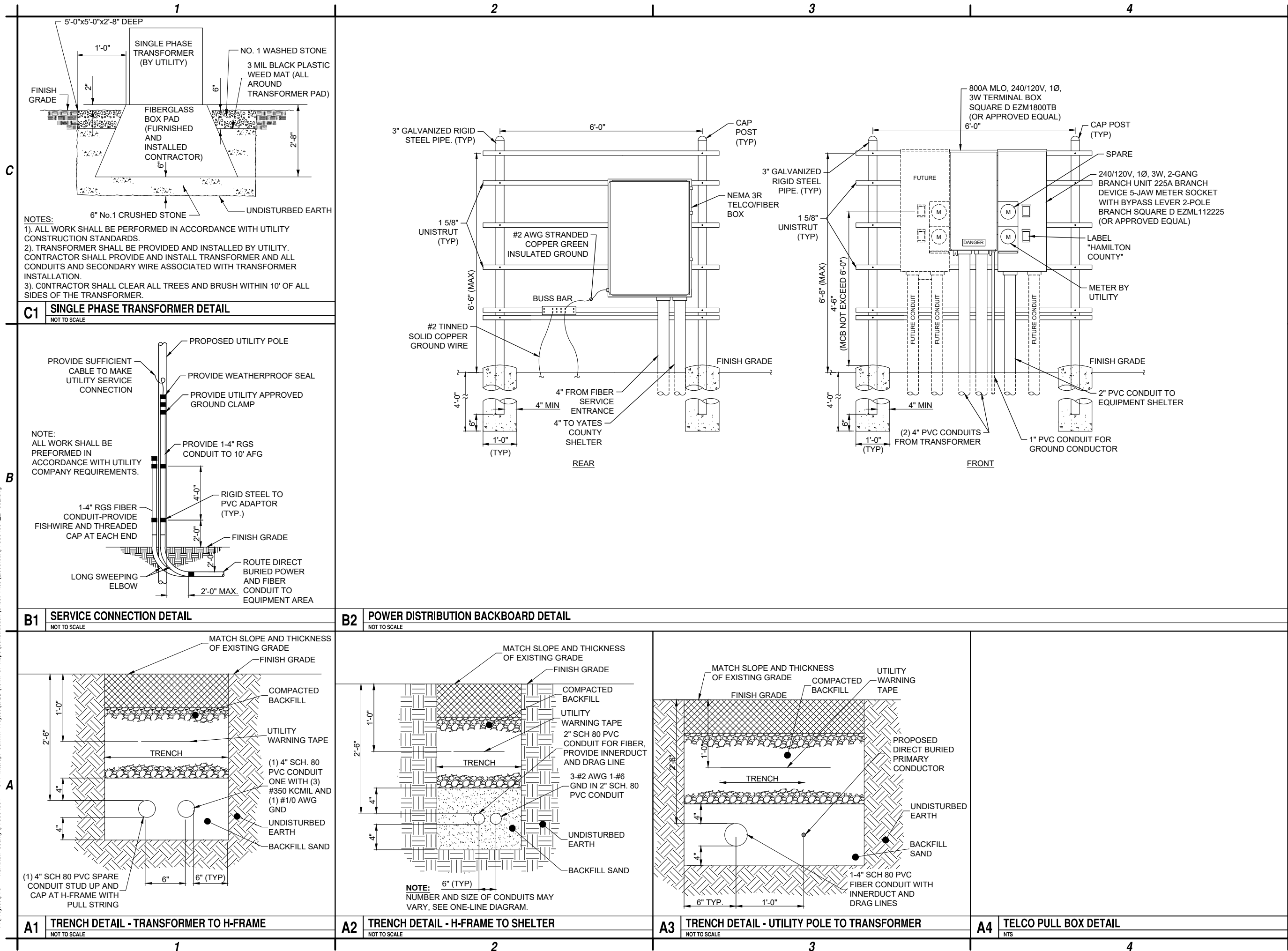
MARK	DATE	DESCRIPTION
1	5-29-24	SWPPP
0	2-12-24	ISSUED FOR PERMITTING

REVISIONS	
PROJECT NO:	F75.001.001
DATE:	NOVEMBER 2023
DRAWN BY:	M. BUCKINGHAM
DESIGNED BY:	E.N. KENNA, P.E.
CHECKED BY:	E.N. KENNA, P.E.
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW	

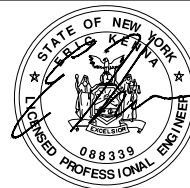
ELECTRICAL
DETAILS

E-501

Aug 03, 2026 - 3:39pm
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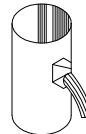
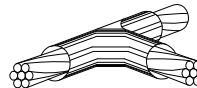
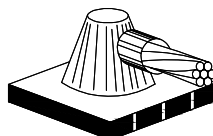
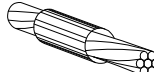
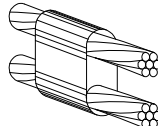
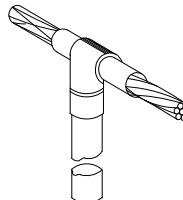
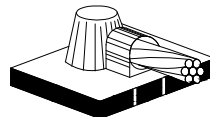
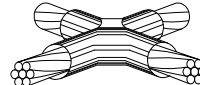
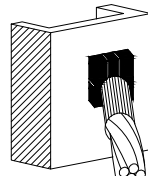
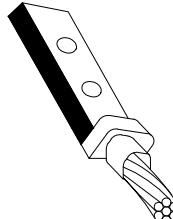
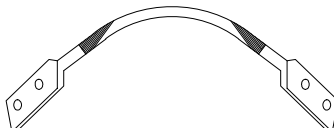
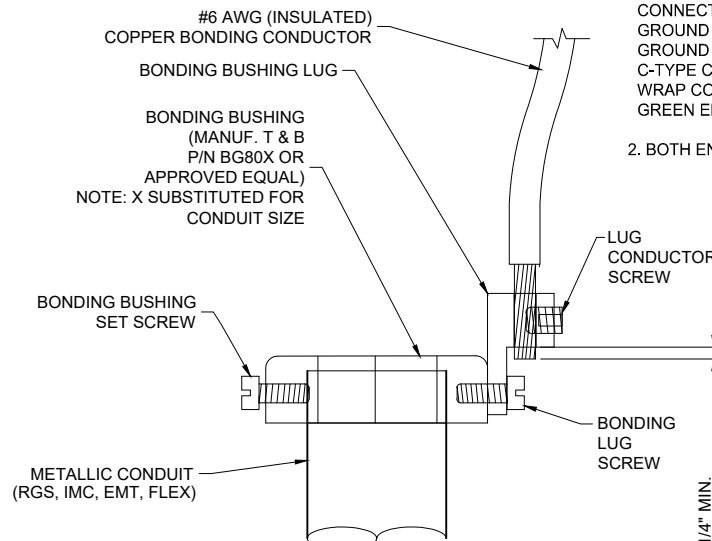
HAMILTON COUNTY
SITE NAME: TOWN OF HOPE
STATE ROUTE 30
HOPE FALLS, NY

1	5-29-24	SWPPP
0	2-12-24	ISSUED FOR PERMITTING
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: F75.001.001		
DATE: NOVEMBER 2023		
DRAWN BY: M. BUCKINGHAM		
DESIGNED BY: E.N. KENNA, P.E.		
CHECKED BY: E.N. KENNA, P.E.		
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ELECTRICAL
DETAILS

E-502

Aug 03, 2026 - 3:39pm F:\Project\Y75 - Hamilton County\Y7504001 - 911 Interop. Comm. Project\CAD\Town of Hope\Construction\Sheet Files\Electrical\Y7504001_E-503.dwg

		1	2	3	4			
C		 TYPE VS  TYPE TA  TYPE HS  TYPE SS  TYPE PT NOTE: ERICO CADWELD "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH PROJECT MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT. <td colspan="4"></td>						
		 TYPE CT  TYPE HS  TYPE XA  TYPE VS  TYPE YA-2  TYPE 2-YA-2 <td colspan="4"></td>						
C4		NOT USED						
		NTS						
B								
B1		EXOTHERMIC WELD DETAILS			B4	NOT USED		
		NTS			NTS			
A		 NOTE: - IF WITHIN 18 INCHES OF A GROUND BAR, CONNECT CONDUIT BOND CONDUCTOR TO GROUND BAR. OTHERWISE, CONNECT TO MAIN GROUND CONDUCTOR EXITING CONDUIT VIA C-TYPE COMPRESSION CONNECTION. WRAP CONNECTION POINT WITH UL LISTED GREEN ELECTRICAL TAPE - BOTH ENDS OF CONDUIT TO BE GROUNDED. DIRECTIONS: - MOUNT BONDING BUSHING ONTO CONDUIT - TIGHTEN BOND BUSHING SET SCREW - INSERT COPPER CONDUCTOR INTO LUG - TIGHTEN LUG CONDUCTOR SCREW - TIGHTEN BONDING LUG SCREW NOTE: BONDING BUSHING, SET SCREW, LUG, LUG SCREW, COND. LUG SCREW, SHOWN AS COMPLETE UNIT. <td colspan="4"></td>						
		A1	NOT USED			A2	CONDUIT BOND/GROUND BUSHING DETAIL	
		NTS			NTS			
		1	2	3	4			



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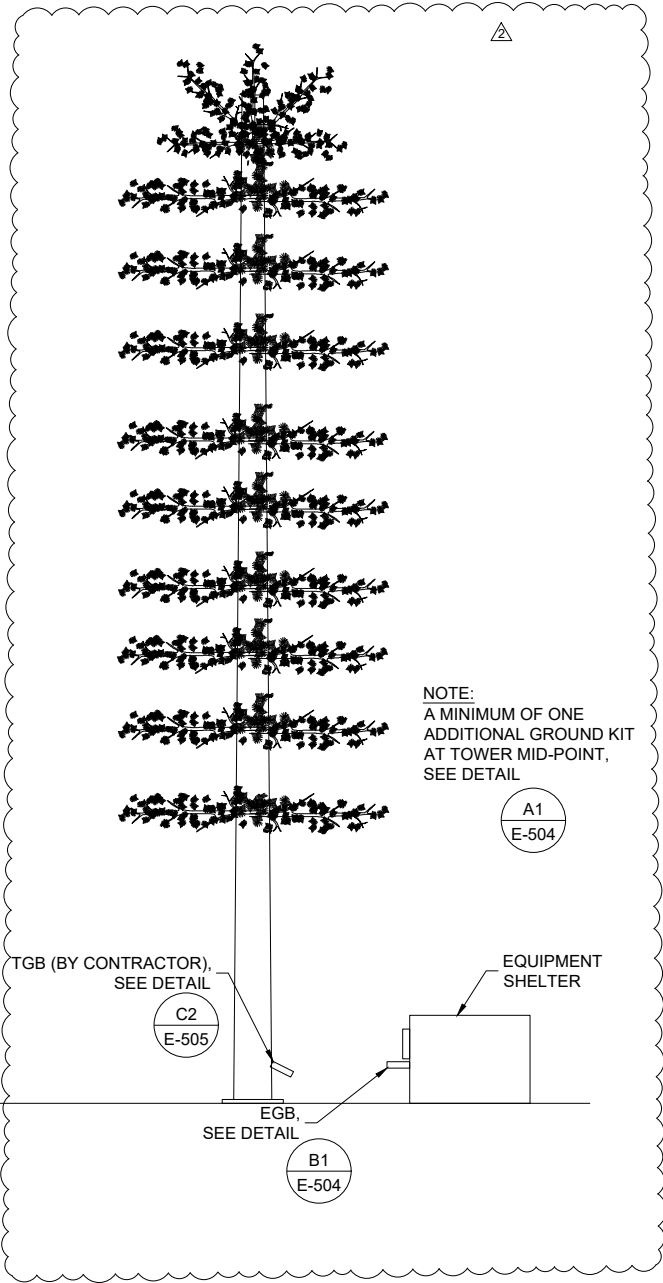
HAMILTON COUNTY
SITE NAME: TOWN OF HOPE
STATE ROUTE 30
HOPE FALLS, NY

1	5-29-24	SWPPP
0	2-12-24	ISSUED FOR PERMITTING
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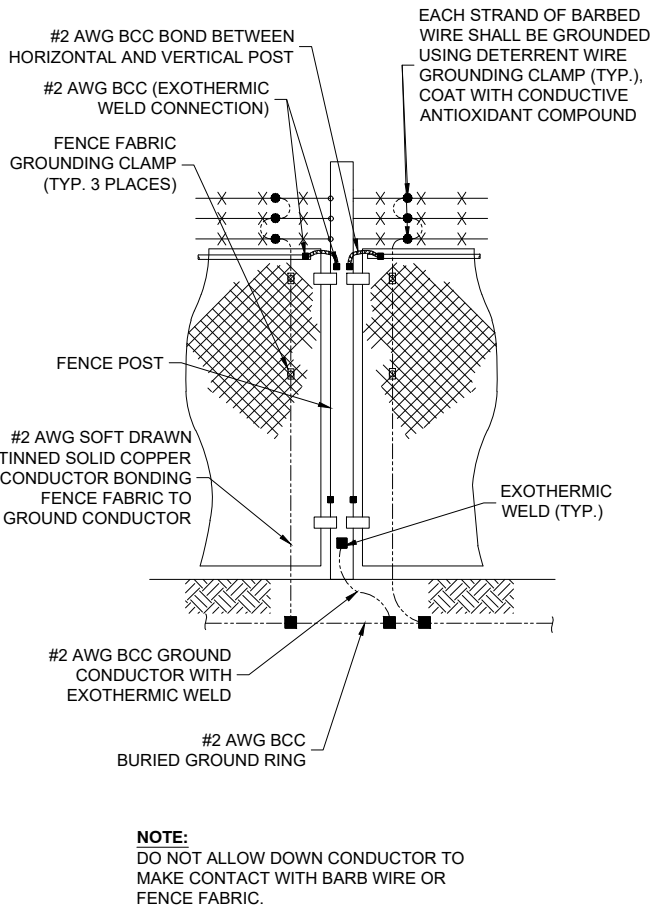
ELECTRICAL
DETAILS

E-503

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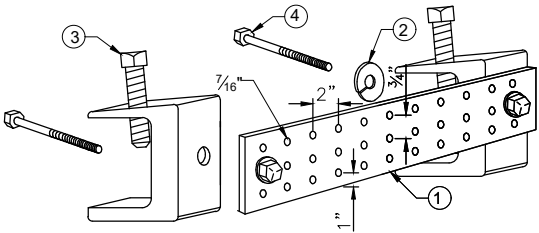
A1 GROUND KIT LOCATION
NTS



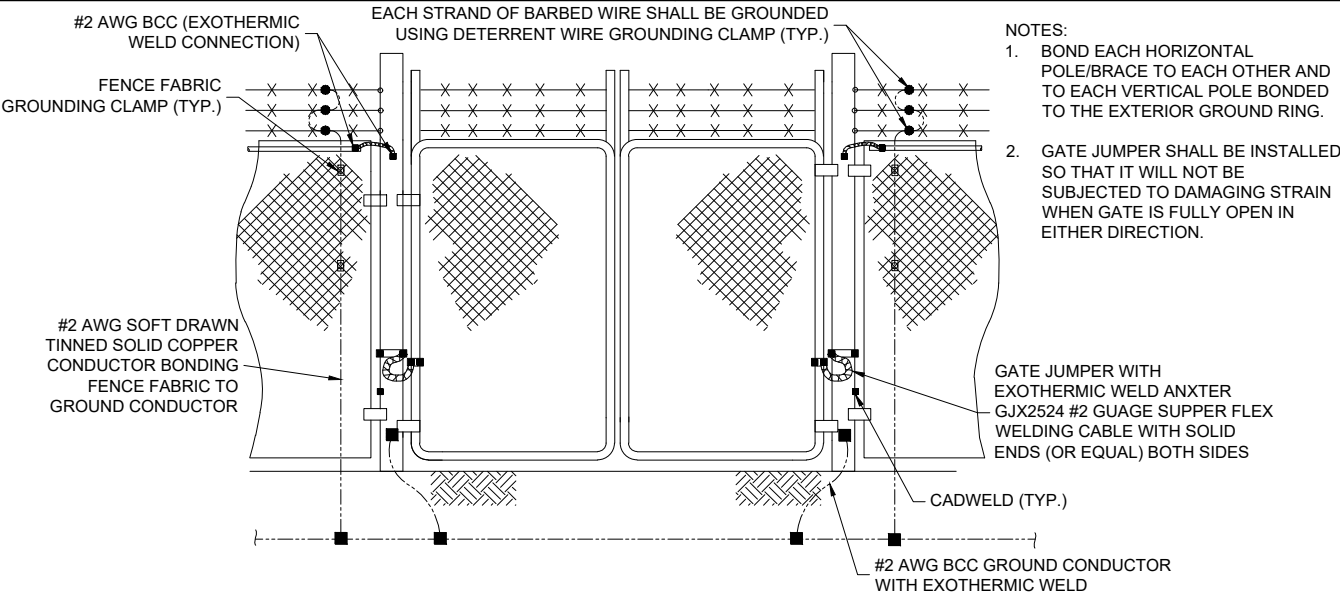
A2 FENCE GROUNDING
NTS

C2 TOWER GROUND BAR
NTS

C3 FENCE GATE GROUNDING
NTS

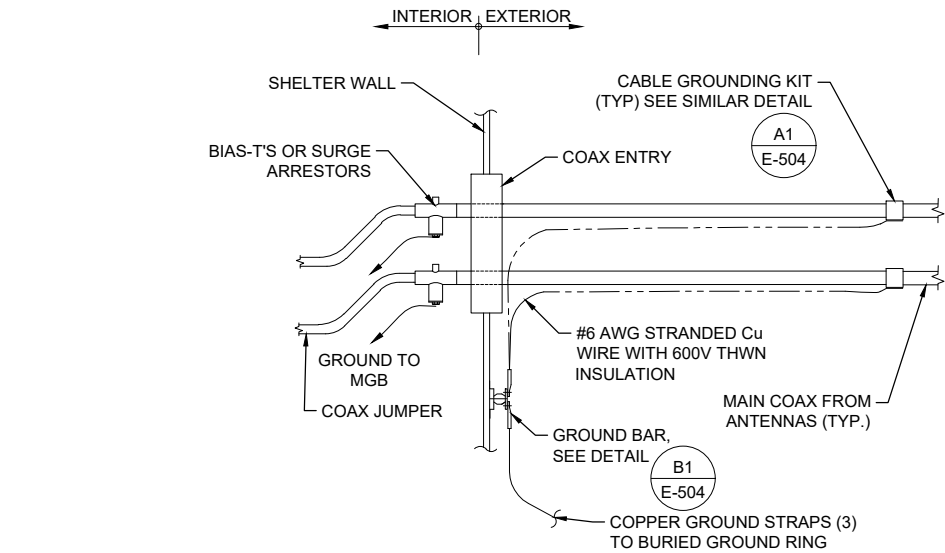


- LEGEND**
- 1- COPPER GROUND BAR, 1/4" X 4" X 20" (MIN), NEWTON INSTRUMENT CO. CAT. NO. B-6142. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION
 - 2- 5/8" STAINLESS STEEL LOCKWASHERS.
 - 3- STAINLESS STEEL MOUNTING BRACKET.
 - 4- STAINLESS STEEL BOLTS



B3 NOT USED
NTS

B4 NOT USED
NTS



A3 EXTERIOR ANTENNA CABLE GROUNDING AT SHELTER COAX ENTRY (BY OTHERS)
NTS



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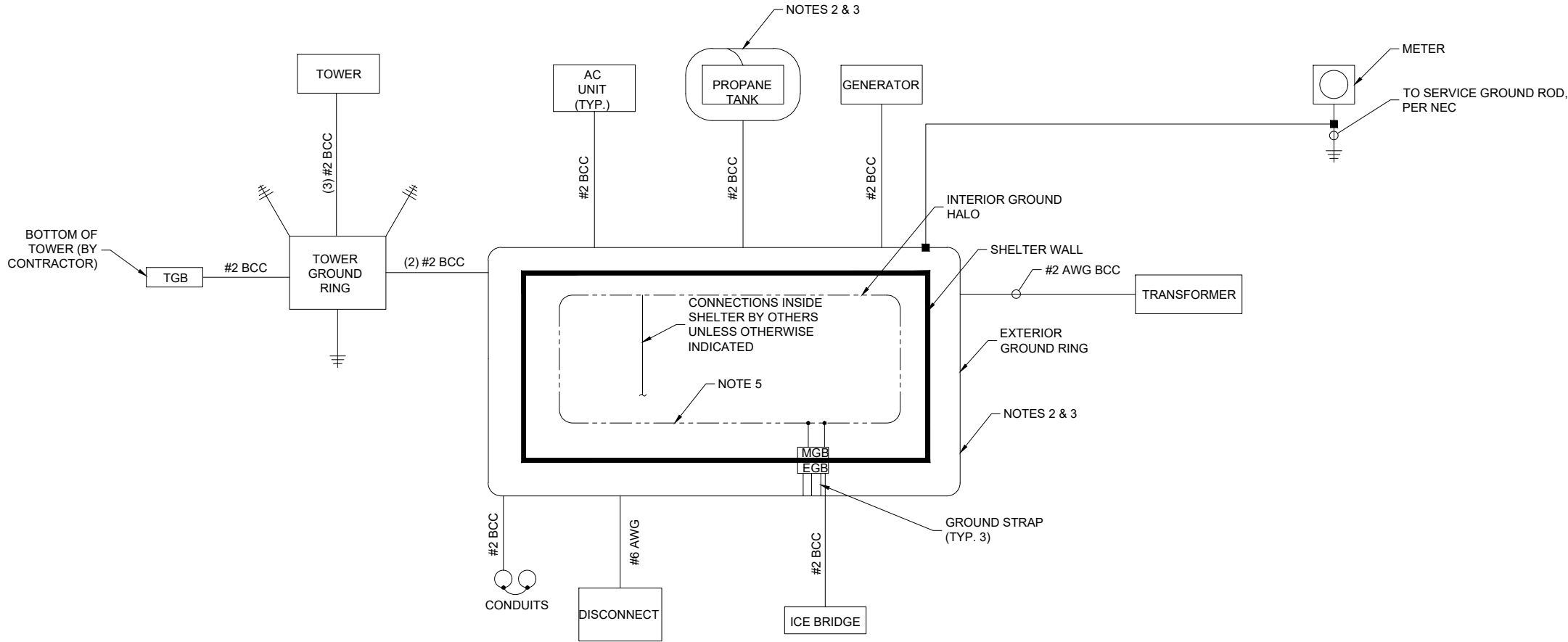
HAMILTON COUNTY
SITE NAME: TOWN OF HOPE
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MARK	DATE	DESCRIPTION
2	7-31-26	MONOPINE TOWER
1	5-29-24	SWPPP
0	2-12-24	ISSUED FOR PERMITTING
REVISIONS		
PROJECT NO: F75.001.001		
DATE: NOVEMBER 2023		
DRAWN BY: M. BUCKINGHAM		
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**GROUNDING
DETAILS**

E-505

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- NOTES:
1. BOND ANTENNA GROUNDING KIT CABLE TO TOWER.
 2. #2 (SOLID TINNED) BCC BURIED GROUND RING.
 3. FOR GROUNDING CONNECTION AND DETAILS, SEE SHEETS E-101, E-503, E-504 & E-505.
 4. INSTALL GROUND RODS AT LOCATIONS AS SHOWN ON GROUNDING PLAN.
 5. INTERIOR GROUND RING FOR EQUIPMENT BY SHELTER MANUFACTURER.



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GROUNDING
SCHEMATIC

E-506