

PROJECT DESCRIPTION:

CONSTRUCTION OF TELECOMMUNICATION AND PUBLIC UTILITY FACILITY, CONSISTING OF A (1) 90' MONOPINE TOWER & (1) 95' MONOPINE TOWER,, SPACE FOR CARRIER & COUNTY EQUIPMENT AND A UTILITY BACKBOARD WITHIN A FENCED COMPOUND. NO WATER OR SEWER IS REQUIRED.

CODE COMPLIANCE:

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING:

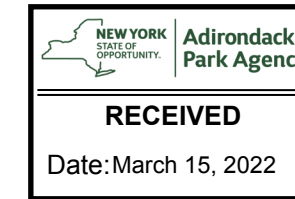
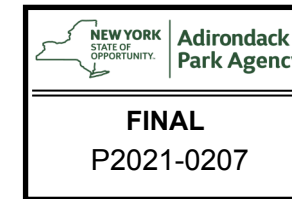
- 1. NY BUILDING CODE
- 2. UNIFORM BUILDING CODE
- 3. BUILDING OFFICIALS AND CODE ADMINISTRATORS (BOCA)
- 4. UNIFORM MECHANICAL CODE
- 5. ANSI/TIA/EIA-222-F
- 6. UNIFORM PLUMBING CODE
- 7. NATIONAL ELECTRIC CODE
- 8. LOCAL BUILDING CODE
- 9. CITY/COUNTY ORDINANCES

TARPON TOWERS

INLET

88 LIMEKILN ROAD INLET, NY 13360

(2) MONOPINE TOWERS



INFINIGY
INFINIGY ENGINEERING, PLLC
1133 Watervliet Shaker Rd
Albany, NY 12205
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No.	Submission / Revision	App'd	Date
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4	REVISED PER COMMENTS	SKB	06/17/21
3	REVISED PER COMMENTS	SKB	06/04/21
2	REVISED PER COMMENTS	SKB	04/16/21
1	REVISED PER COMMENTS	PEC	04/16/21

Drawn: SKB Date: 03/19/21
Designed: AJP Date: 03/19/21
Checked: AJP Date: 03/19/21

Project Number: 1154-Z0001

Project Title:
INLET
88 LIMEKILN ROAD
INLET, NY 13360

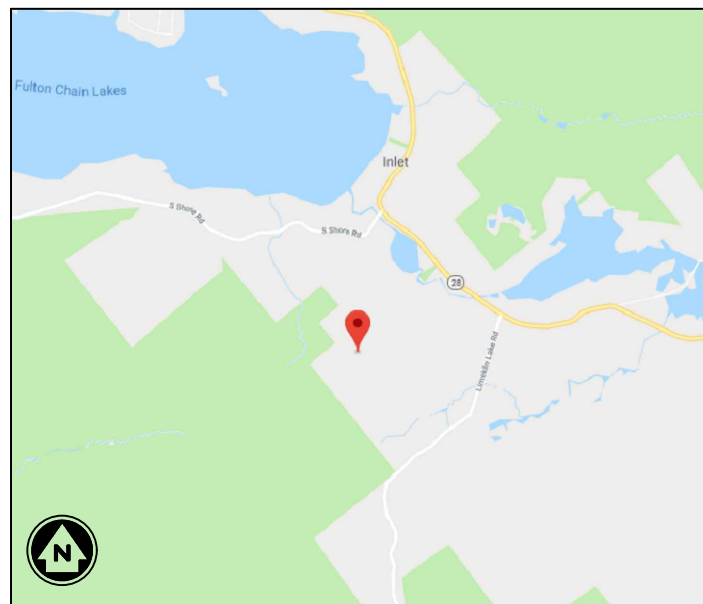


Drawing Title:
TITLE SHEET

Drawing Scale:
Date: 12/28/21
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Drawing Number:
T1

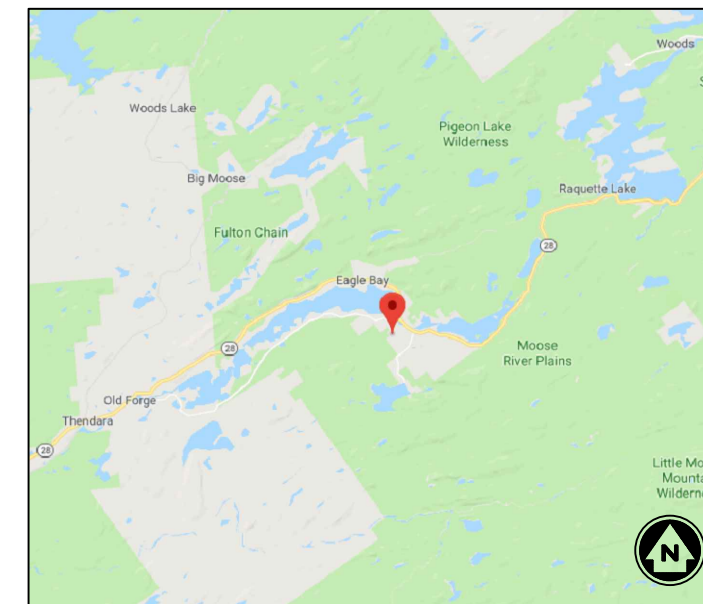


VICINITY MAP
N.T.S.

PROJECT INFORMATION	
SITE NAME:	INLET
SITE ADDRESS:	88 LIMEKILN ROAD INLET, NY 13360
ZONING JURISDICTION:	TOWN OF INLET
SECTION/BLOCK/LOT:	59.000-3-4.112
PARENT PARCEL SIZE:	±167 ACRES
AREA OF DISTURBANCE:	±39,950 SQFT. (0.917 ACRES)
LAT/LONG (TOWER #1):	43° 44' 21.5" N/74° 48' 03.1" W
LAT/LONG (TOWER #2):	43° 44' 21.7" N/74° 48' 03.9" W

DIRECTIONS	
FROM ALBANY, NY: TAKE I-87 N TOWARD SARATOGA SPRINGS/GLENS FALLS. TAKE EXIT 23 TOWARD WARRENSBURG/DIAMOND POINT. TURN LEFT ONTO DIAMOND POINT RD. TURN RIGHT ONTO U.S. 9 N. TURN LEFT ONTO NY-28 S. TURN LEFT TO STAY ON NY-28 S. DRIVE TO GILBERT RD. TURN LEFT ONTO S SHORE RD. TURN LEFT ONTO GILBERT RD	

DRAWING INDEX			
DRWG. #	TITLE	REV.#	DATE
T1	TITLE SHEET	9	03/14/22
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C2	OVERALL SITE LAYOUT	9	03/14/22
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TS2	TREE SURVEY	9	03/14/22
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A1	AT&T ENLARGED EQUIPMENT PLAN	9	03/14/22
A2	AT&T ELEVATION & ORIENTATION PLAN	9	03/14/22
A3	AT&T EQUIPMENT DETAILS	9	03/14/22
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A6	AT&T EQUIPMENT GROUNDING LAYOUT	9	03/14/22
B1	T-MOBILE ENLARGED EQUIPMENT PLAN	9	03/14/22
B2	T-MOBILE ELEVATION & ORIENTATION PLAN	9	03/14/22
B3	T-MOBILE EQUIPMENT DETAILS	9	03/14/22
B4	T-MOBILE EQUIPMENT DETAILS	9	03/14/22
B5	T-MOBILE UTILITY PLAN	9	03/14/22
B6	T-MOBILE EQUIPMENT GROUNDING LAYOUT	9	03/14/22



LOCATION MAP
N.T.S.

PROJECT DIRECTORY	
PROPERTY OWNER:	CORASANTI, DAVID 14 JORDAN ROAD NEW HARTFORD, NY 13413
APPLICANT:	TARPON TOWERS II, LLC 8916 77TH TERRACE EAST LAKEWOOD RANCH, FL 34202
CONTACT:	BRETT BUGGELN PHONE: (770) 331-7524
ENGINEER:	INFINIGY 1033 WATERVLIET SHAKER ROAD ALBANY, NY 12205
CONTACT:	ALEX WELLER PHONE: (518) 690-0790
POWER COMPANY:	NATIONAL GRID
TELCO COMPANY:	TBD

DIG ALERT:
CALL FOR UNDERGROUND UTILITIES PRIOR TO DIGGING:
1-800-962-7962
EMERGENCY:
CALL 911

GENERAL NOTES

- ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
- DO NOT CHANGE SIZE NOR SPACING OF STRUCTURAL ELEMENTS.
- DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
- BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
- DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
- INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE APPROVAL.
- EACH CONTRACTOR SHALL COOPERATE WITH THE OWNER'S REPRESENTATIVE, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS AND SPECIFICATIONS AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS TO ENSURE THAT WORK PROGRESSION IS NOT INTERRUPTED.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A NEAT AND ORDERLY SITE, YARD AND GROUNDS. REMOVE AND DISPOSE OFF SITE ALL RUBBISH, WASTE MATERIALS, LITTER, AND ALL FOREIGN SUBSTANCES. REMOVE PETRO-CHEMICAL SPILLS, STAINS AND OTHER FOREIGN DEPOSITS. RAKE GROUNDS TO A SMOOTH EVEN-TEXTURED SURFACE.
- THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE-GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE SHOWN OR MAY NOT BE SHOWN; AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 48 HOURS BEFORE YOU DIG, DRILL OR BLAST, CALL 1-800-962-7962.
- THE OWNER OR OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE OWNER OR OWNER'S REPRESENTATIVE.
- THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THIS JOB SITE DURING THE PERFORMANCE OF THIS CONTRACT.
- THE CONTRACTOR SHALL RESTORE ALL PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD OF CONDITION AS BEFORE DISTURBED AS DETERMINED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, AND INCURRING THE COST OF ALL REQUIRED PERMITS, INCLUDING, BUT NOT LIMITED TO, THE BUILDING PERMIT, INSPECTIONS, CERTIFICATES, ETC.
- THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE OWNER OR OWNER'S REPRESENTATIVE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A LICENSED LAND SURVEYOR.
- ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE OSHA REGULATIONS FOR CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK.
- ALL UTILITY WORK INVOLVING CONNECTIONS TO EXISTING SYSTEMS SHALL BE COORDINATED WITH THE OWNER OR OWNER'S REPRESENTATIVE AND THE UTILITY OWNER. NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE AND THE UTILITY OWNER BEFORE EACH AND EVERY CONNECTION TO EXISTING SYSTEMS IS MADE.
- MAINTAIN FLOW FOR ALL EXISTING UTILITIES.
- ALL SITE FILL SHALL MEET SELECTED FILL STANDARDS AS DEFINED BY THE OWNER OR OWNER'S REPRESENTATIVE ON THE DRAWINGS.
- CONTRACTOR SHALL GRADE ALL AREAS ON THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE EQUIPMENT PAD AND THE TOWER.
- ALL IMPROVEMENTS TO CONFORM WITH LOCAL JURISDICTION CONSTRUCTION STANDARDS AND SPECIFICATIONS, LATEST EDITION.

STRUCTURAL STEEL NOTES

- STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- ALL INTERIOR STRUCTURAL STEEL USED SHALL BE, WHEN DELIVERED, FINISHED WITH ONE COAT FABRICATOR'S NON-LEAD, RED OXIDE PRIMER. PRIMING SHALL BE PERFORMED AFTER SHOP FABRICATION TO THE GREATEST EXTENT POSSIBLE. ALL DINGS, SCRAPES, MARS, AND WELDS IN THE PRIMED AREAS SHALL BE REPAIRED BY FIELD TOUCH-UP PRIOR TO COMPLETION OF THE WORK.
- ALL EXTERIOR STEEL WORK SHALL BE GALVANIZED IN ACCORDANCE WITH SPECIFICATION ASTM A36 UNLESS OTHERWISE NOTED. GALVANIZING SHALL BE PERFORMED AFTER SHOP FABRICATION TO THE GREATEST EXTENT POSSIBLE. ALL DINGS, SCRAPES, MARS, AND WELDS IN THE GALVANIZED AREAS SHALL BE REPAIRED BY FIELD TOUCH-UP PRIOR TO COMPLETION OF THE WORK.
- DO NOT PLACE HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
- CONNECTIONS:
 - ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND AWS D1.1. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION", 9TH EDITION. AT THE COMPLETION OF WELDING, ALL DAMAGE TO GALVANIZED COATING SHALL BE REPAIRED.
 - BOLTED CONNECTIONS SHALL USE BEARING TYPE GALVANIZED ASTM A325 BOLTS (3/4" DIA) AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
 - NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. GALVANIZED ASTM A 307 BOLTS UNLESS NOTED OTHERWISE.
 - CONNECTION DESIGN BY FABRICATOR WILL BE SUBJECT TO REVIEW AND APPROVAL BY ENGINEER.

DESIGN DATA

- WIND LOADS: PER EIA/TIA F-222
ICE LOADS: 1/2" RADIAL ON ALL COMPONENTS & CABLE
SNOW LOAD: PER NY STATE BLDG. CODE.
SEISMIC LOADS: PER NY STATE BLDG CODE.

CONCRETE NOTES

- DESIGN AND CONSTRUCTION OF ALL CONCRETE ELEMENTS SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING APPLICABLE CODES: ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"; ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE";
- MIX DESIGN SHALL BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO PLACING CONCRETE.
- CONCRETE SHALL BE NORMAL WEIGHT, 6% AIR ENTRAINED (±1.5%) WITH A MAXIMUM 4" SLUMP, AND HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI UNLESS OTHERWISE NOTED.
- MAXIMUM AGGREGATE SIZE SHALL BE 1".
- THE FOLLOWING MATERIALS SHALL BE USED:

PORTLAND CEMENT:	ASTM C 150, TYPE I
REINFORCEMENT:	ASTM A 185
NORMAL WEIGHT AGGREGATE:	ASTM C 33
WATER:	DRINKABLE
ADMIXTURES:	NON-CHLORIDE CONTAINING
- REINFORCING DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315.
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

CONCRETE CAST AGAINST EARTH.....	3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 AND LARGER	2 IN.
#5 AND SMALLER & WWF	1 1/2 IN.
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:	
SLAB AND WALL	3/4 IN.
BEAMS AND COLUMNS	1 1/2 IN.

- A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- 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 ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE.
- CURING COMPOUNDS SHALL CONFORM TO ASTM C-309.
- ADMIXTURES SHALL CONFORM TO THE APPROPRIATE ASTM STANDARD AS REFERENCED IN ACI-301.
- DO NOT WELD OR TACKWELD REINFORCING STEEL.
- ALL DOWELS, ANCHOR BOLTS, EMBEDDED STEEL, ELECTRICAL CONDUITS, PIPE SLEEVES, GROUNDS AND ALL OTHER EMBEDDED ITEMS AND FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT.
- LOCATE ADDITIONAL CONSTRUCTION JOINTS REQUIRED TO FACILITATE CONSTRUCTION AS ACCEPTABLE TO ENGINEER. PLACE REINFORCEMENT CONTINUOUSLY THROUGH JOINTS.
- REINFORCEMENT SHALL BE COLD BENT WHENEVER BENDING IS REQUIRED.
- PLACE CONCRETE IN A UNIFORM MANNER TO PREVENT THE FORMATION OF COLD JOINTS AND OTHER PLANES OF WEAKNESS. VIBRATE THE CONCRETE TO FULLY EMBED REINFORCING. DO NOT USE VIBRATORS TO TRANSPORT CONCRETE THROUGH CHUTES OR FORMWORK.
- DO NOT PLACE CONCRETE IN WATER, ICE, OR ON FROZEN GROUND.
- DO NOT ALLOW CONCRETE SUBBASE TO FREEZE DURING CONCRETE CURING AND SETTING PERIOD, OR FOR A MINIMUM OF 14 DAYS AFTER PLACEMENT.
- FOR COLD-WEATHER AND HOT-WEATHER CONCRETE PLACEMENT, CONFORM TO APPLICABLE ACI CODES AND RECOMMENDATIONS. IN EITHER CASE, MATERIALS CONTAINING CHLORIDES, CALCIUM, SALTS, ETC. SHALL NOT BE USED. PROTECT FRESH CONCRETE FROM WEATHER FOR 7 DAYS MINIMUM.

CIVIL LEGEND

<u>EXISTING</u>		<u>PROPOSED</u>
-----	FENCE	-----
-----	UNDERGROUND ELECTRIC	-----
-----	UNDERGROUND TELEPHONE	-----
-----	OVERHEAD WIRES	-----
-----	OVERHEAD TELEPHONE	-----
-----	OVERHEAD ELECTRIC	-----
-----	5' OR 10' CONTOUR LINE	-----
-----	1' OR 2' CONTOUR LINE	-----
-----	SPOT ELEVATION	-----
-----	PRIMARY PROPERTY OR R.O.W.	-----
-----	LEASE LINE	-----
-----	EASEMENT	-----
-----	UTILITY POLE	-----
-----	TELEPHONE PEDESTAL	-----
-----	CURB	-----
-----	ASPHALT PAVEMENT	-----
-----	BUILDING	-----
-----	TREES, SHRUBS, BUSHES	-----
-----	REPRESENTS DETAIL NUMBER	-----
-----	REF. DRAWING NUMBER	-----



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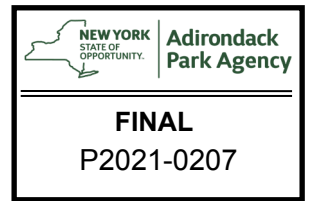


Drawing Title: **GENERAL NOTES & LEGEND**

Drawing Scale: **CD**
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Drawing Number: **C1**



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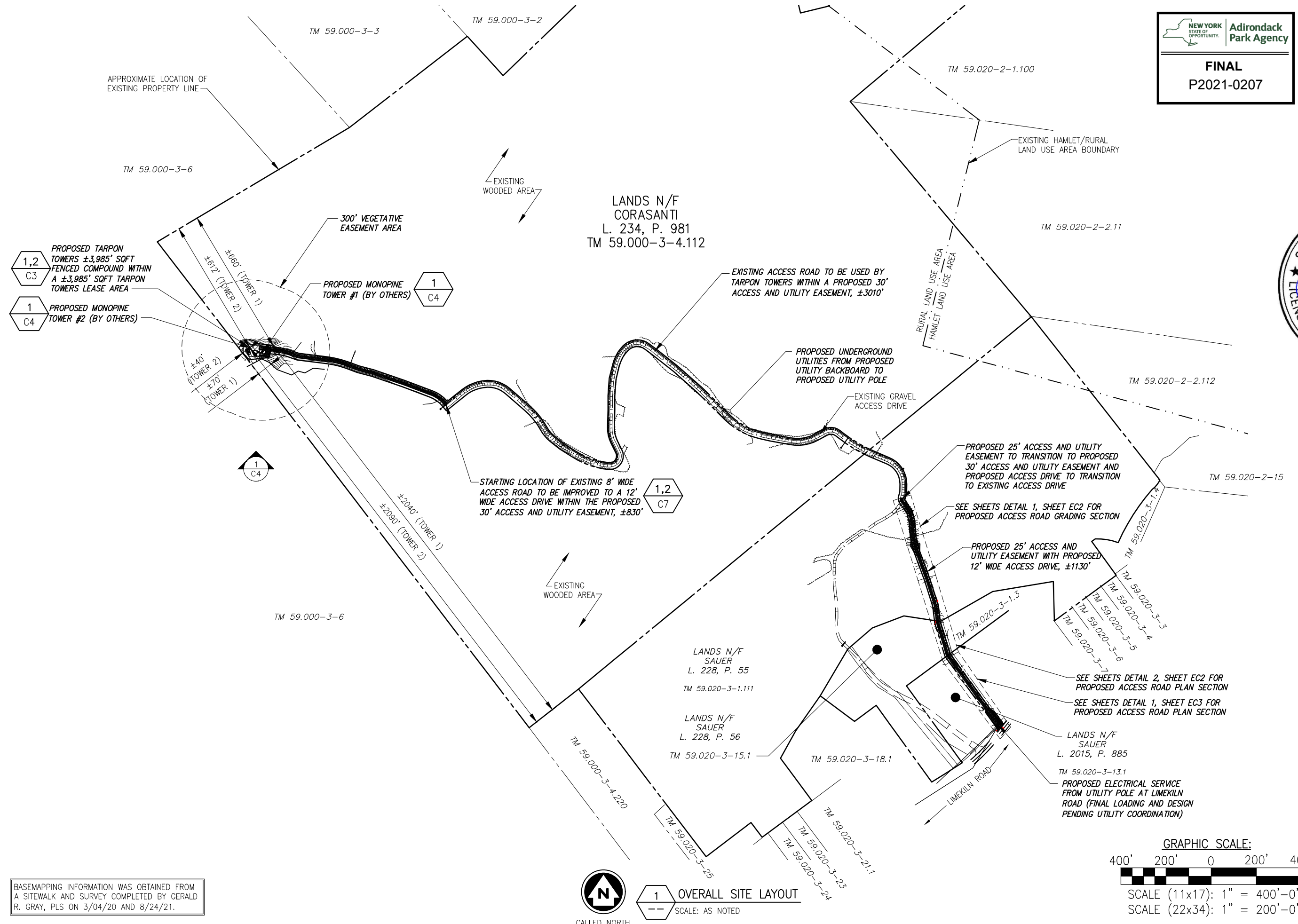
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OVERALL SITE LAYOUT

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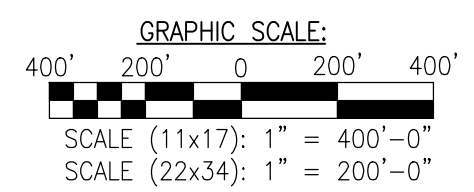
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C2



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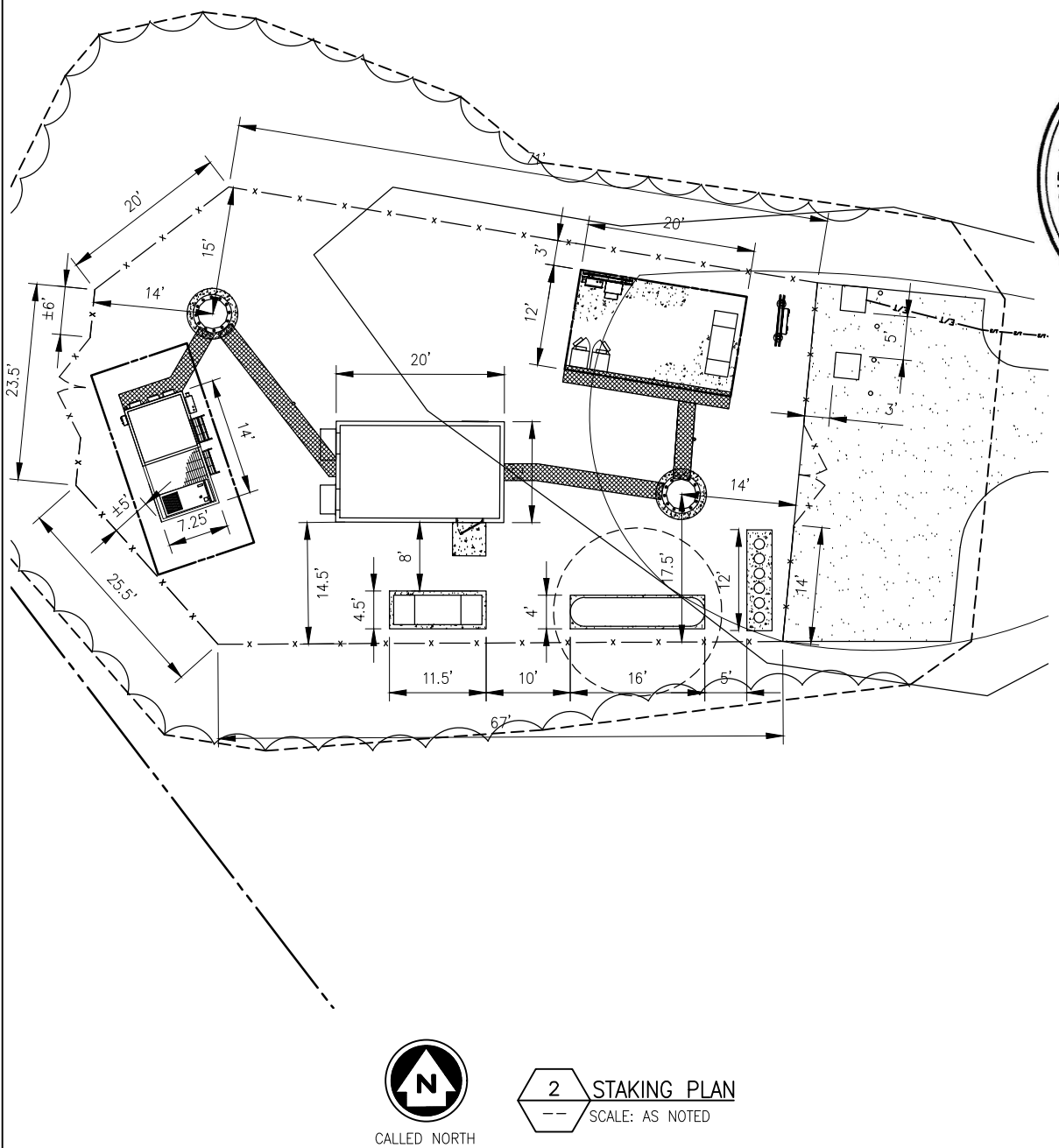
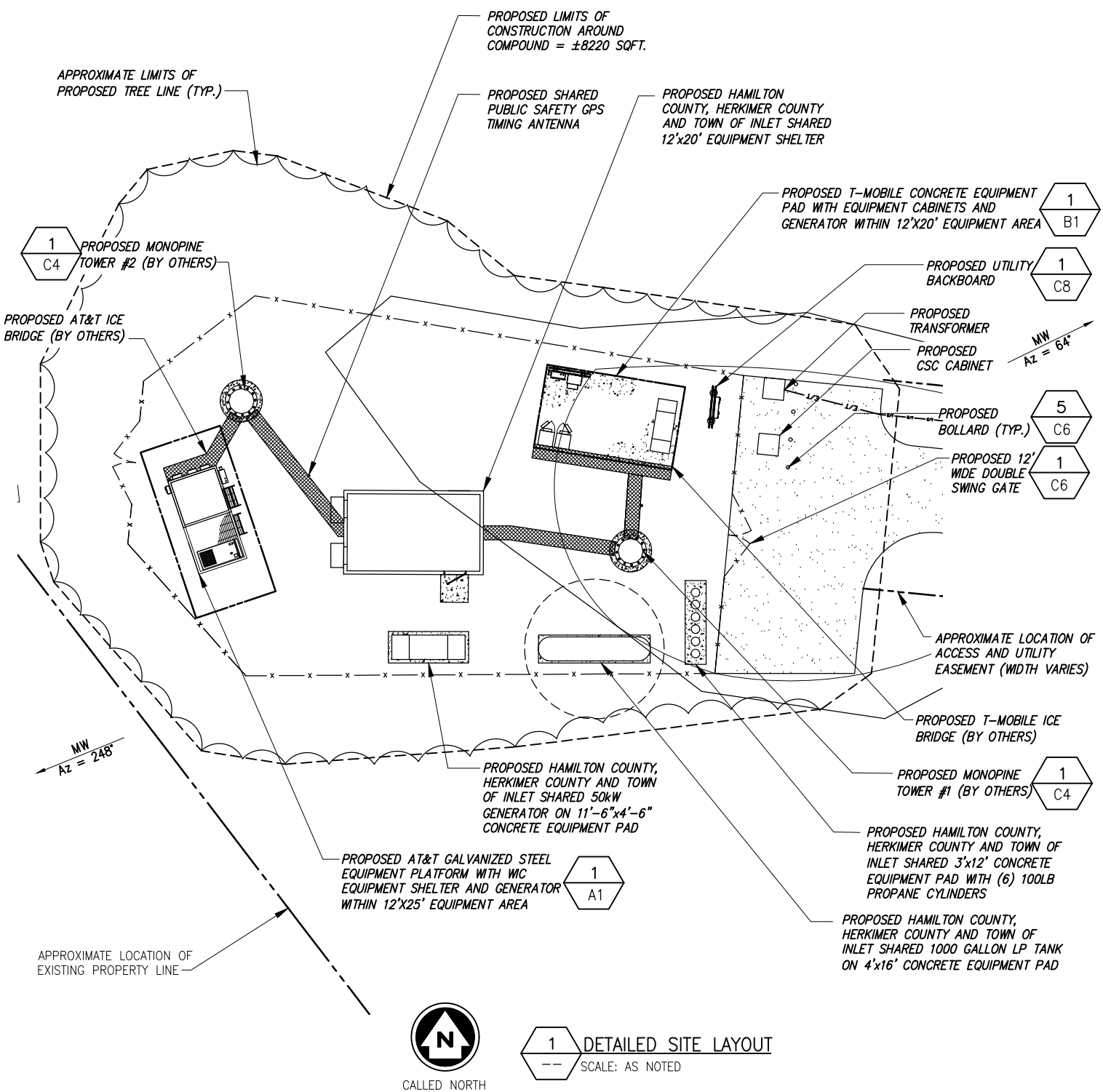
1 OVERALL SITE LAYOUT
 SCALE: AS NOTED



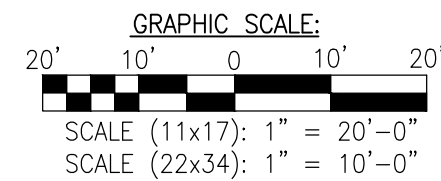
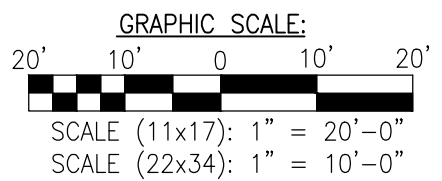
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NEW YORK STATE OF OPPORTUNITY
Adirondack Park Agency
FINAL
P2021-0207

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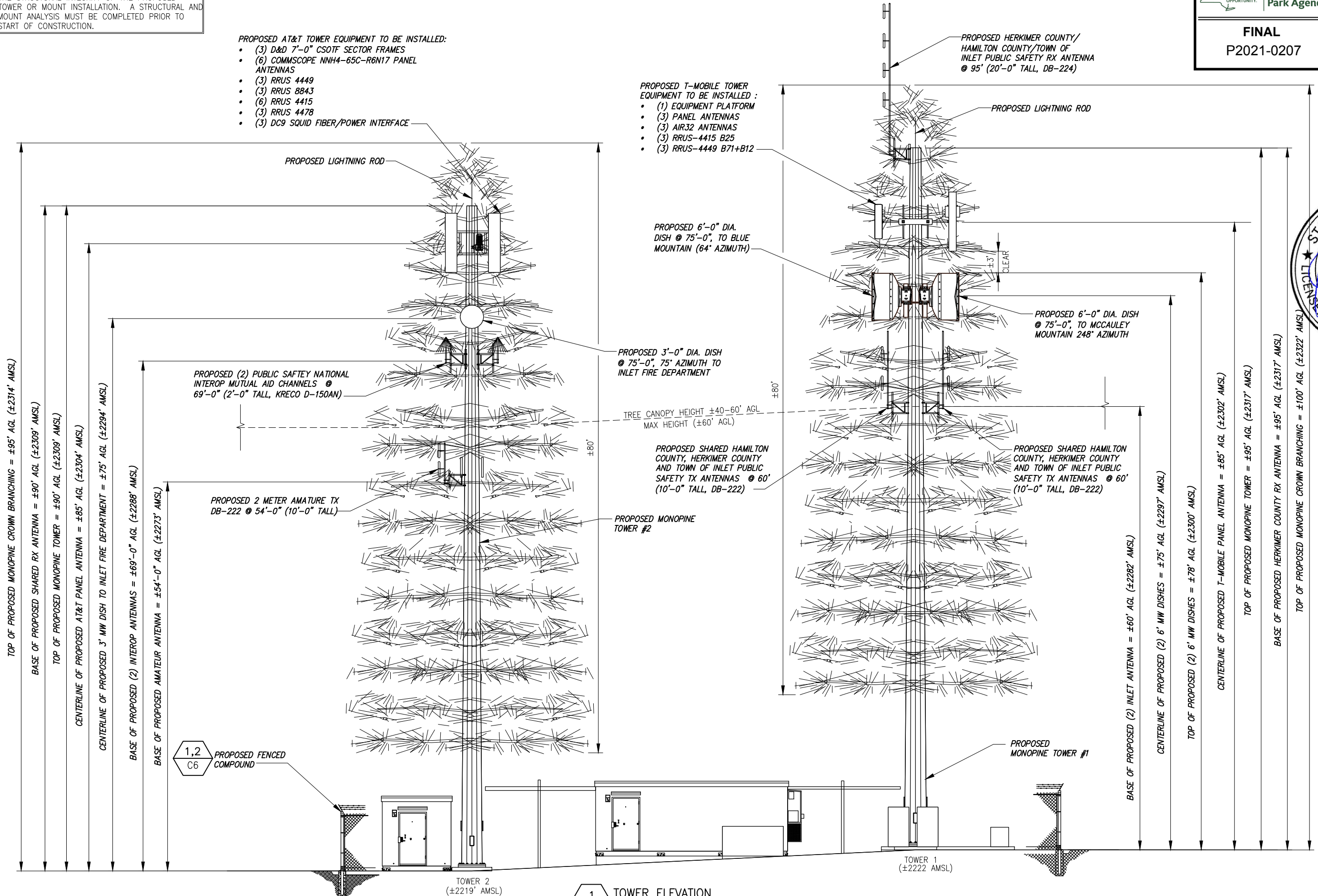
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Drawing Number: **C3**

INFINIGY ENGINEERING ASSUMES NO LIABILITY FOR THE STRUCTURAL INTEGRITY OF THE PROPOSED TOWER OR MOUNT INSTALLATION. A STRUCTURAL AND MOUNT ANALYSIS MUST BE COMPLETED PRIOR TO START OF CONSTRUCTION.

- PROPOSED AT&T TOWER EQUIPMENT TO BE INSTALLED:**
- (3) D&D 7'-0" CSOTF SECTOR FRAMES
 - (6) COMMSCOPE NNH4-65C-R6N17 PANEL ANTENNAS
 - (3) RRUS 4449
 - (3) RRUS 8843
 - (6) RRUS 4415
 - (3) RRUS 4478
 - (3) DC9 SQUID FIBER/POWER INTERFACE

- PROPOSED T-MOBILE TOWER EQUIPMENT TO BE INSTALLED:**
- (1) EQUIPMENT PLATFORM
 - (3) PANEL ANTENNAS
 - (3) AIR32 ANTENNAS
 - (3) RRUS-4415 B25
 - (3) RRUS-4449 B71+B12



No.	Submittal / Revision	App'd	Date
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6	REVISED PER COMMENTS	SKB	12/21/21
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3	REVISED PER COMMENTS	SKB	06/04/21
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1	REVISED PER COMMENTS	PEG	04/16/21

Drawn: SKB Date: 03/19/21
 Designed: AJD Date: 03/19/21
 Checked: AJD Date: 03/19/21

Project Number: 1154-Z0001
 Project Title: **INLET**
 88 LIMEKILN ROAD
 INLET, NY 13360

Prepared For: **TARPON TOWERS**

Drawing Title: **COMPOUND ELEVATION**

Drawing Scale: **CD**
 Date: 12/28/21

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Drawing Number: **C4**

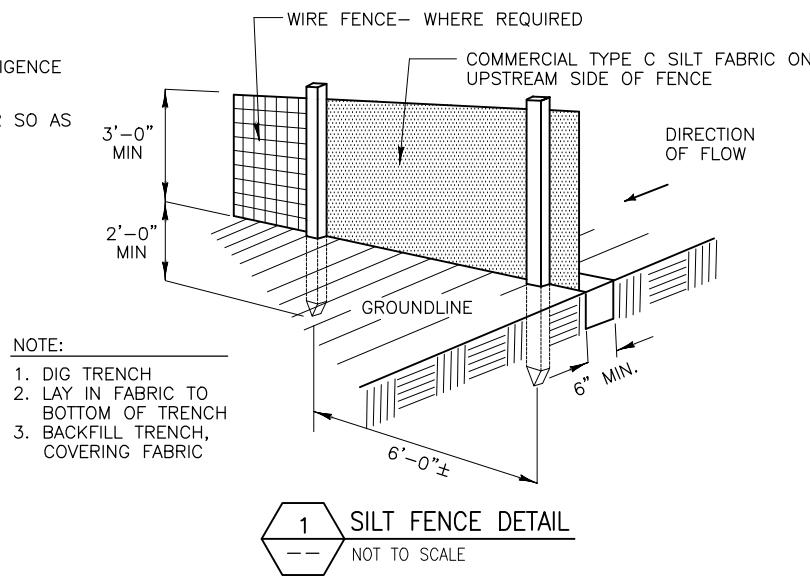
1 TOWER ELEVATION
 NOT TO SCALE

GRADING & EXCAVATING NOTES:

- ALL EXCAVATIONS ON WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE FROM LOOSE MATERIAL AND EXCESS GROUNDWATER. DEWATERING FOR EXCESS GROUNDWATER SHALL BE PROVIDED IF REQUIRED.
- CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC MATERIAL. IF SOUND SOIL IS NOT REACHED AT THE DESIGNATED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION BE FILLED WITH CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION.
- ANY EXCAVATION OVER THE REQUIRED DEPTH SHALL BE FILLED WITH EITHER MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS.
- AFTER COMPLETION OF THE FOUNDATION AND OTHER CONSTRUCTION BELOW GRADE, AND BEFORE BACKFILLING, ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH.
- USE APPROVED MATERIALS CONSISTING OF EARTH, LOAM, SANDY CLAY, SAND
-BE FREE FROM CLODS OR STONES OVER 2-1/2" MAXIMUM DIMENSIONS
-BE PLACED IN 6" LAYERS AND COMPACTED TO 95% STANDARD PROCTOR EXCEPT IN GRASSED/LANDSCAPED AREAS, WHERE 90% STANDARD PROCTOR
- REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACING FILLS. PLOW, STRIP, OR BREAK UP SLOPED SURFACES STEEPER THAN THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING SURFACE. WHEN SUBGRADE OR EXISTING GROUND SURFACE TO RECEIVE FILL HAS A DENSITY LESS THAN THAT REQUIRED FOR FILL, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, PULVERIZE, MOISTURE-CONDITION OR AERATE SOIL AND RECOMPACT TO REQUIRED DENSITY.
- PROTECT EXISTING GRAVEL SURFACING AND SUBGRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING OR OTHER SUITABLE MATERIALS DESIGNED TO SPREAD EQUIPMENT LOADS. REPAIR DAMAGE TO EXISTING GRAVEL SURFACING OR SUBGRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTOR'S OPERATIONS. DAMAGED GRAVEL SURFACING SHALL BE RESTORED TO MATCH THE ADJACENT UNDAMAGED GRAVEL SURFACING AND SHALL BE OF THE SAME THICKNESS.
- REPLACE EXISTING GRAVEL SURFACING ON AREAS FROM WHICH GRAVEL SURFACING IS REMOVED DURING CONSTRUCTION OPERATIONS. GRAVEL SURFACING SHALL BE REPLACED TO MATCH EXISTING ADJACENT GRAVEL SURFACING AND SHALL BE OF THE SAME THICKNESS. SURFACES OF GRAVEL SURFACING SHALL BE FREE FROM CORRUGATIONS AND WAVES. EXISTING GRAVEL SURFACING MAY BE EXCAVATED SEPARATELY AND REUSED IF INJURIOUS AMOUNTS OF EARTH, ORGANIC MATTER, OR OTHER DELETERIOUS MATERIALS ARE REMOVED PRIOR TO REUSE. FURNISH ALL ADDITIONAL GRAVEL RESURFACING MATERIAL AS REQUIRED. BEFORE GRAVEL SURFACING IS REPLACED, SUBGRADE SHALL BE GRADED TO CONFORM TO REQUIRED SUBGRADE ELEVATIONS, AND LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED. DEPRESSIONS IN THE SUBGRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. GRAVEL SURFACING MATERIAL MAY BE USED FOR FILLING DEPRESSIONS IN THE SUBGRADE, SUBJECT TO ENGINEER'S APPROVAL.
- DAMAGE TO EXISTING STRUCTURES AND UTILITIES RESULTING FROM CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED/REPLACED TO OWNER'S SATISFACTION AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH PROPERTY OWNER SO AS TO AVOID INTERRUPTIONS TO PROPERTY OWNER'S OPERATIONS.
- ENSURE POSITIVE DRAINAGE DURING AND AFTER COMPLETION OF CONSTRUCTION.
- ALL CUT AND FILL SLOPES SHALL BE MAXIMUM 2 HORIZONTAL TO 1 VERTICAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING SITE VEHICLE TRAFFIC AS TO NOT ALLOW VEHICLES LEAVING THE SITE TO TRACK MUD ONTO PUBLIC STREETS. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING PUBLIC STREETS DUE TO MUDDY VEHICLES LEAVING THE SITE.

GENERAL EROSION & SEDIMENT CONTROL NOTES:

- THE SOIL EROSION AND SEDIMENT CONTROL MEASURES AND DETAILS AS SHOWN HEREIN AND STIPULATED WITHIN STATE STANDARDS SHALL BE FOLLOWED AND INSTALLED IN A MANNER SO AS TO MINIMIZE SEDIMENT LEAVING THE SITE.
- PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS.
- EROSION CONTROL DEVICES SHALL BE INSTALLED BEFORE GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL CLEAN OUT ALL SEDIMENT PONDS WHEN REQUIRED BY THE ENGINEER OR THE LOCAL JURISDICTION INSPECTOR. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
- THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS WITHIN 12" OF THE TOP OF THE SILT FENCE.
- FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED.
- SILT BARRIERS TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.
- ALL CUT AND FILL SLOPES MUST BE SURFACED ROUGHENED AND VEGETATED WITHIN SEVEN (7) DAYS OF THEIR CONSTRUCTION.
- CONTRACTOR SHALL REMOVE ALL EROSION & SEDIMENT CONTROL MEASURES AFTER COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.



- NOTE:
- DIG TRENCH
 - LAY IN FABRIC TO BOTTOM OF TRENCH
 - BACKFILL TRENCH, COVERING FABRIC

1 SILT FENCE DETAIL
NOT TO SCALE

SEEDING GUIDELINES:

FINAL STABILIZATION OF ALL DISTURBED AREAS, UNLESS OTHERWISE NOTED, SHALL BE LOAMED AND SEEDED. LOAM SHALL BE PLACED AT A MINIMUM COMPACTED DEPTH OF 4". RECOMMENDED SEEDING DATES FOR PERMANENT VEGETATION SHALL BE BETWEEN JUNE 15 THROUGH AUGUST 1 AND SEPTEMBER 15 THROUGH OCTOBER 15. TEMPORARY VEGETATIVE MEASURES SHALL CONSIST OF AN ANNUAL OR PERENNIAL RYE GRASS WITH RECOMMENDED SEEDING DATES BEING FROM JUNE 1 THROUGH AUGUST 15 AND SEPTEMBER 30 THROUGH NOVEMBER 30.

EVALUATE PROPOSED COVER MATERIAL

BEFORE SPREADING COVER MATERIAL OVER THE DESIGNATED AREA, OBTAIN A REPRESENTATIVE SOIL SAMPLE AND SUBMIT TO A REPUTABLE SOIL TESTING LABORATORY FOR CHEMICAL AND PHYSICAL ANALYSIS. THE PRELIMINARY TEST IS NECESSARY TO DETERMINE THE REQUIRED INORGANIC AND/OR ORGANIC AMENDMENTS THAT ARE NEEDED TO ASSIST IN ESTABLISHING THE SEED MIXTURE IN AN ENVIRONMENTALLY AND ECONOMICALLY SOUND MANNER. THE RESULTS WILL GIVE THE COVER MATERIAL CHARACTERISTICS SUCH AS pH AND FERTILIZATION NEEDS. THESE RESULTS SHALL BE KEPT ON-SITE BY THE CONTRACTOR AND AVAILABLE FOR REVIEW BY THE COUNTY.

SEED BED PREPARATION

PROPOSED COVER MATERIAL SHOULD BE SPREAD EVENLY OVER THE SITE AREA IN A MINIMUM 4" LIFT VIA BULLDOZER/BUCKET LOADER. USING THE INFORMATION FROM THE SOIL ANALYSIS, CAREFULLY CALCULATE THE QUANTITIES OF LIMESTONE AND PRE-PLANT FERTILIZER NEEDED PRIOR TO APPLYING. PRE-PLANT AMENDMENTS CAN BE APPLIED WITH A BROADCAST AND/OR DROP SEEDER AND INCORPORATED WITH AN OFFSET DISK, YORK RAKE, AND/OR HAND RAKE. AFTER INCORPORATION THE PRE-PLANT SOIL AMENDMENTS, THE SEED BED SHOULD BE SMOOTHED AND FIRM PRIOR TO SEEDING. THE FOLLOWING SEED MIXTURES SHALL BE USED AS NOTED:

SEED MIXTURE

SPECIES/VARIETY	LBS/ACRE
CREEPING RED FESCUE	20
KENTUCKY BLUEGRASS	20
PERENNIAL RYEGRASS	5

SEED TIME AND METHOD

THE PREFERRED TIME FOR SEEDING THE COOL SEASON MIXTURE IS LATE SUMMER. SOIL AND AIR TEMPERATURES ARE IDEAL FOR SEED GERMINATION AND SEEDING GROWTH. WEED COMPETITION IS REDUCED BECAUSE SEEDS OF MANY WEED SPECIES GERMINATE EARLIER IN THE GROWING SEASON. ADDITIONALLY, HERBICIDE USE IS GREATLY REDUCED. HOWEVER, SEEDING MAY BE DONE AT ANY OF THE ABOVE NOTED TIMES.

MULCHING

NEWLY SEEDED AREAS SHOULD BE MULCHED TO INSURE ADEQUATE MOISTURE FOR SUCCESSFUL TURF ESTABLISHMENT AND TO PROTECT AGAINST SURFACE MOVEMENT OF SEDIMENT-BOUND AGROCHEMICALS AND SOIL EROSION.

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- WOVEN WIRE FENCE TO BE FASTENED SECURELY POSTS: STEEL EITHER T OR U TO FENCE POSTS WITH WIRE TIES OR STAPLES. TYPE.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH: FILTER X, MIRAFI 100X* STABILINKA T140N OR APPROVED EQUAL.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE. PREFABRICATED UNIT: GEOFAB, ENVIROFENCE OR APPROVED EQUAL.
- ALL SILT FENCE MATERIALS MUST BE LISTED ON THE CURRENT STATES. D.O.T. QUALIFIED PRODUCTS LIST.

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Project Number 1154-Z0001

Project Title
INLET
88 LIMEKILN ROAD
INLET, NY 13360

Prepared For
TARPON TOWERS

Drawing Title
GRADING & EROSION CONTROL NOTES

Drawing Scale: **CD**
Date: 12/28/21

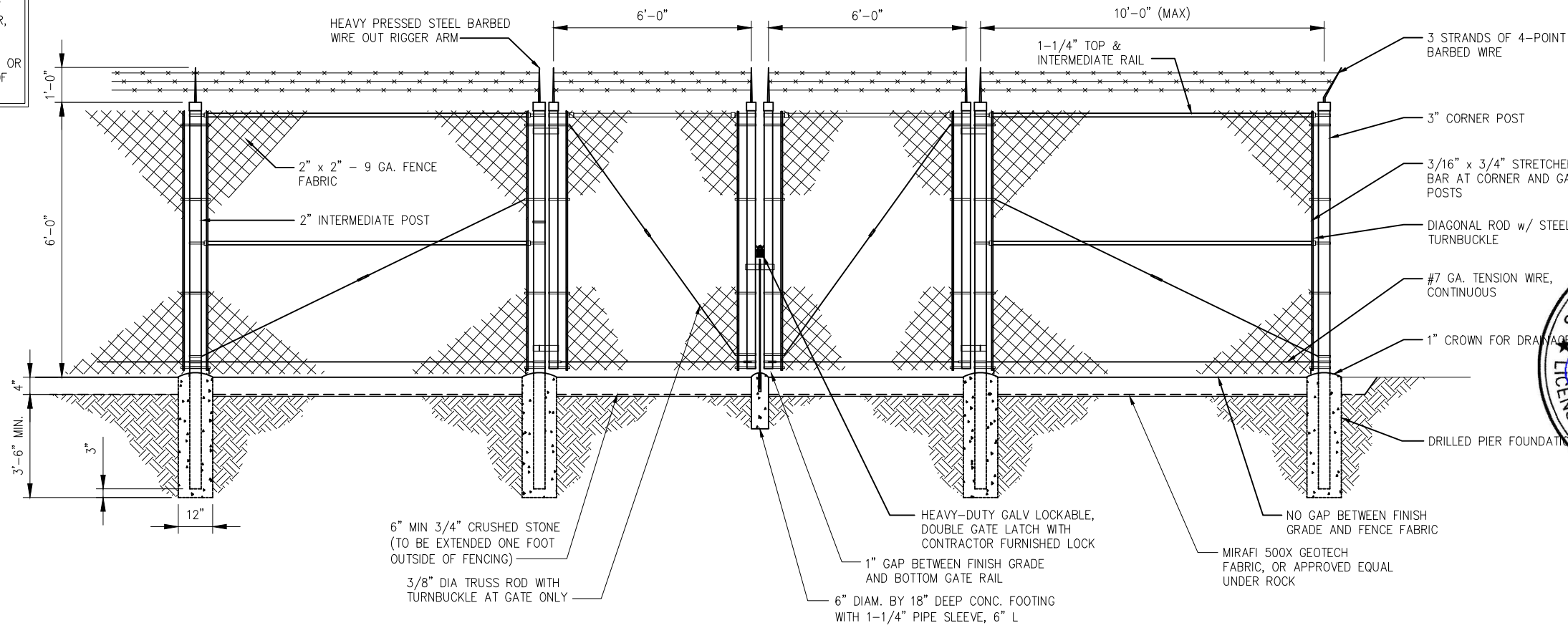
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C5



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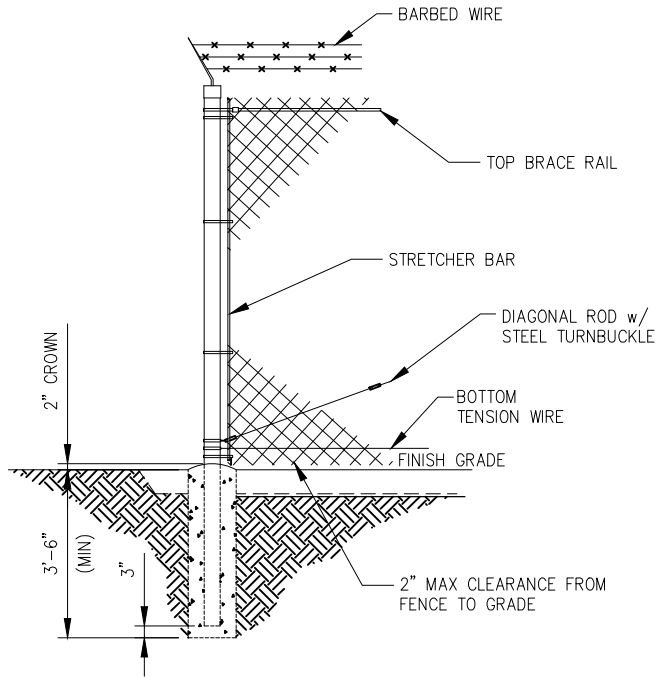
NOTE:
 1. ALTERNATE FOOTINGS FOR ALL FENCE POSTS IN ROCK: IF ROCK IS ENCOUNTERED AT GRADE, OR AT A DEPTH SHALLOWER THAN 3'-6", CORE DRILL AN 8" DIA HOLE 18" INTO THE ROCK. CENTER POST IN THE HOLE AND FILL WITH CONCRETE OR GROUT. IF ROCK IS BELOW FINISH GRADE, COAT BACKFILLED SECTION OF POST WITH COAL TAR, AND BACKFILL WITH WELL-DRAINING GRAVEL.
 2. ATTACH EACH GATE WITH 3 NON-LIFT-OFF TYPE, MALLEABLE IRON OR FORGING, PIN-TYPE HINGES. ASSEMBLIES SHALL ALLOW FOR 180° OF GATE TRAVEL. (THREE POINT HINGE)



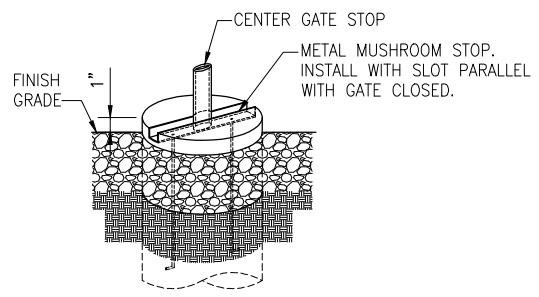
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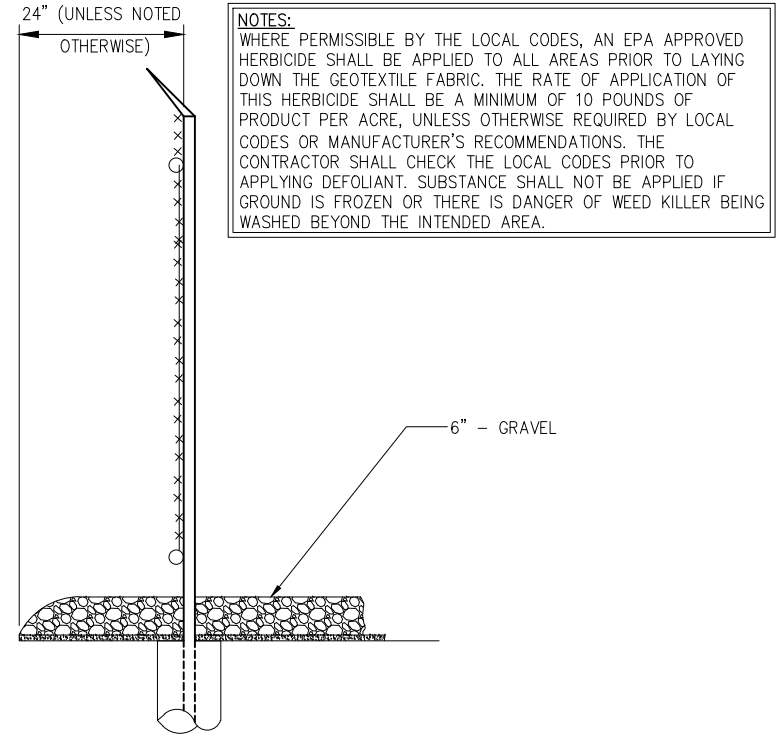
1 DOUBLE SWING ACCESS GATE DETAIL
 SCALE: N.T.S.



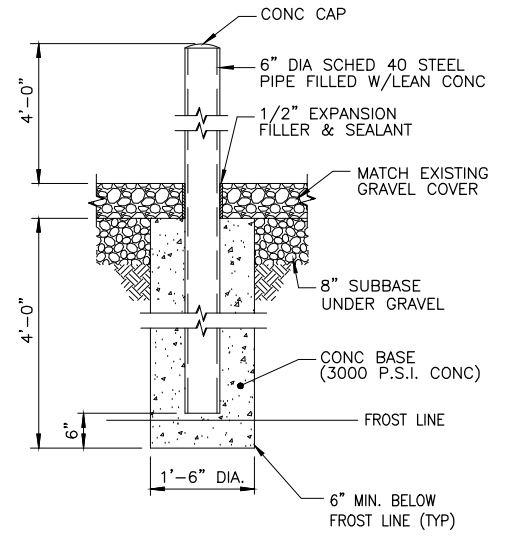
2 CHAIN LINK FENCE DETAIL
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3 MUSHROOM STOP DETAIL
 NOT TO SCALE



4 SITE COMPOUND SURFACING DETAIL
 NOT TO SCALE

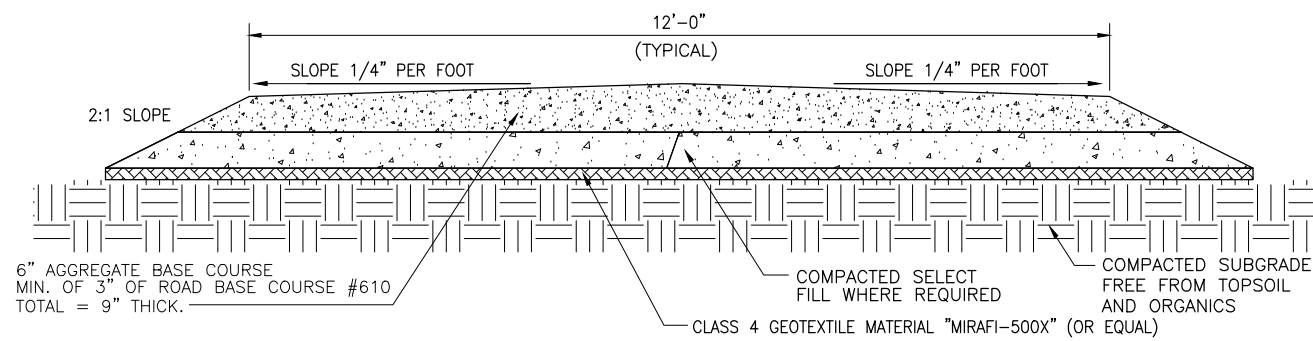


5 BOLLARD DETAIL
 NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY
Adirondack Park Agency
FINAL
P2021-0207

Project Number: 1154-Z0001
 Project Title: **INLET**
 88 LIMEKILN ROAD
 INLET, NY 13360
 Prepared For: **TARPON TOWERS**
 Drawing Title: **DETAILS**
 Drawing Scale: **CD**
 Date: 12/28/21
 Drawing Number: **C6**

NOTES:
 -CONTRACTOR SHALL MAINTAIN POSITIVE FLOW.
 -AGGREGATE IS BASED ON STANDARD AASHTO.
 -PIPE SHALL BE AT A MINIMUM OF 4' LONGER THEN ACCESS ROAD WIDTH ON EACH SIDE FOR PROPER SHOULDERING.
 -ALL CROSSDRAINS SHALL BE INSTALLED ON A 45° ANGLE WITH THE FALL OF THE GRADE.



1 DRIVEWAY SECTION - CROWNED
NOT TO SCALE



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Project Number 1154-Z0001

Project Title
INLET
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 INLET, NY 13360

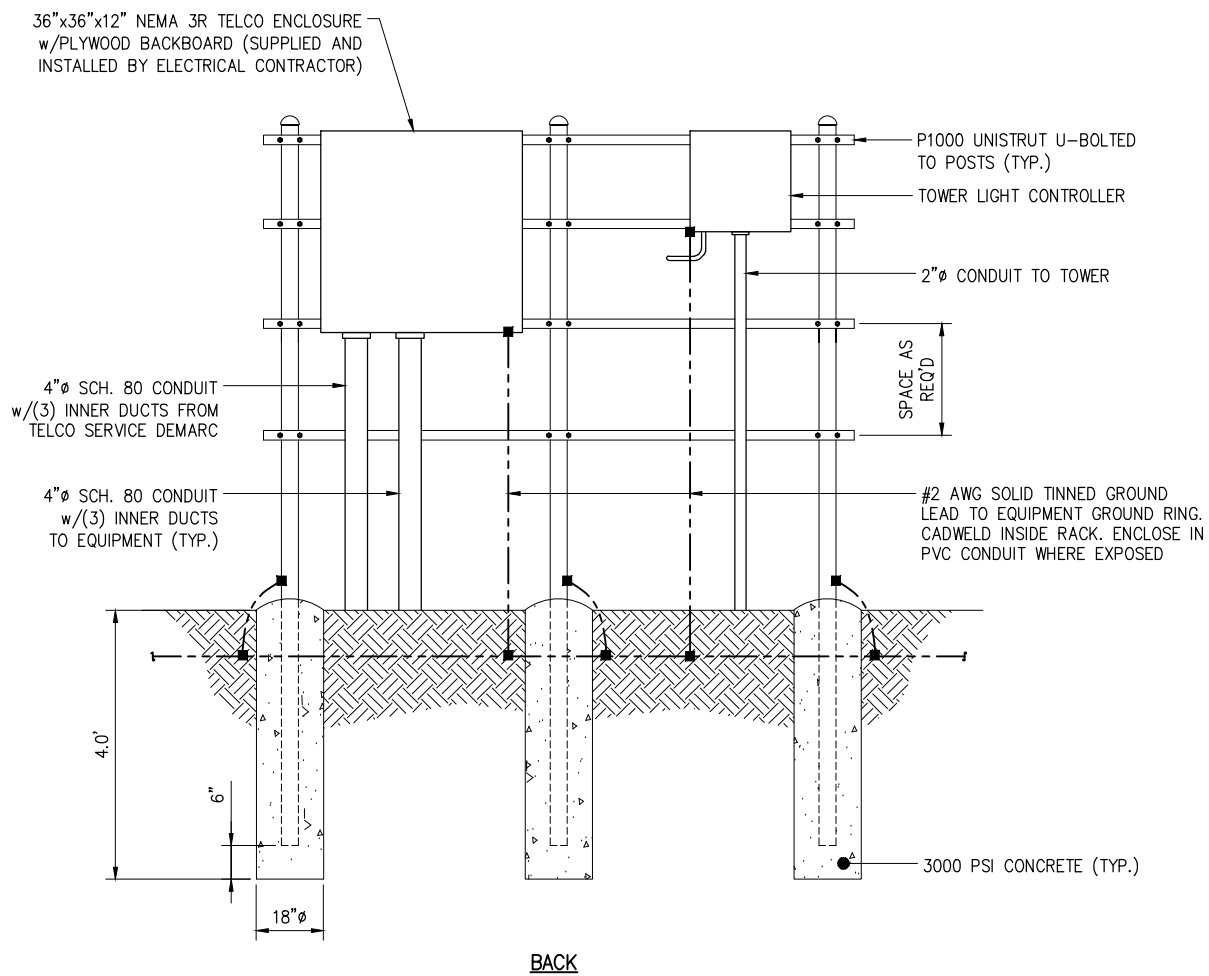
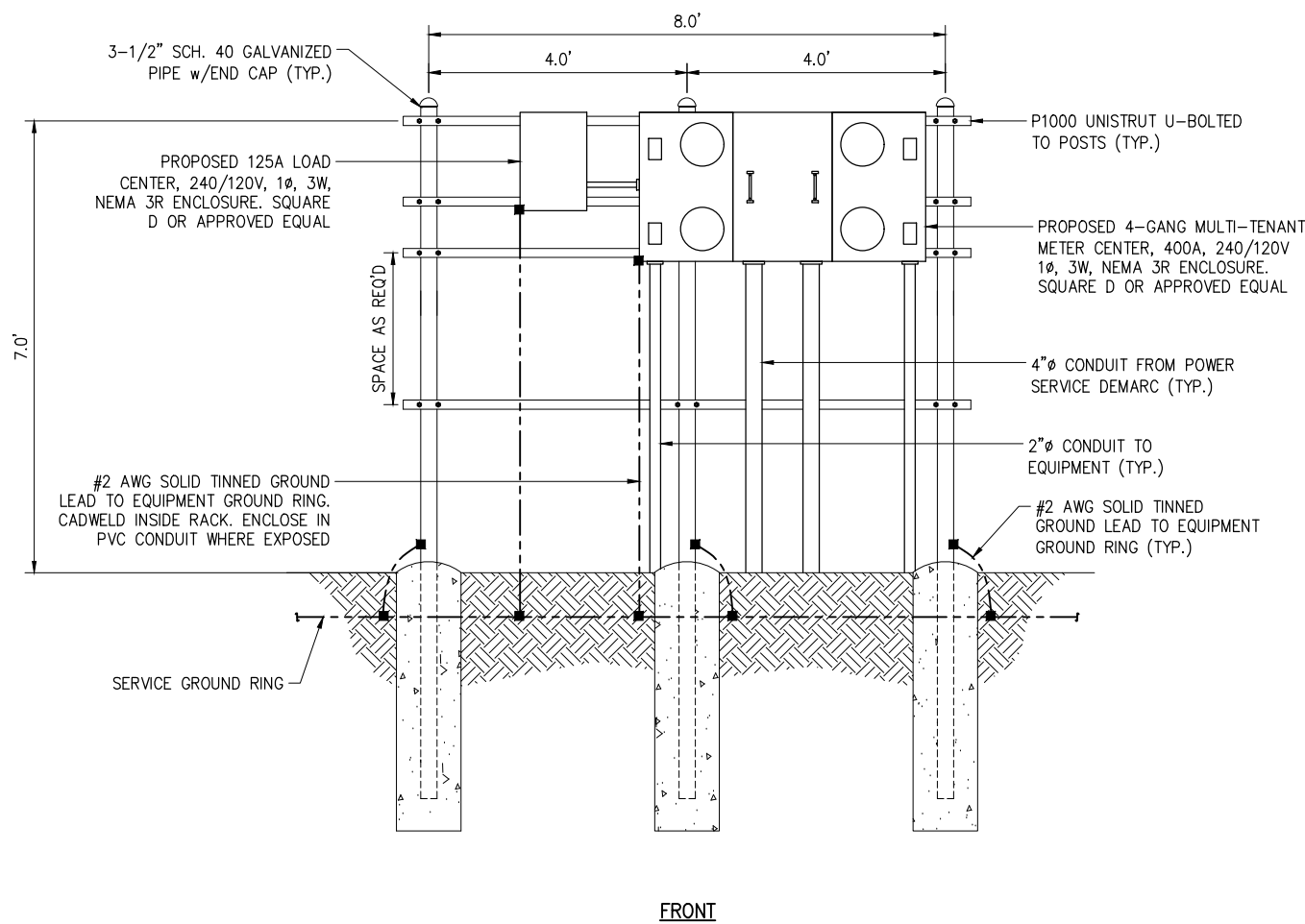


Drawing Title
DETAILS

Drawing Scale:
 Date: 12/28/21
CD

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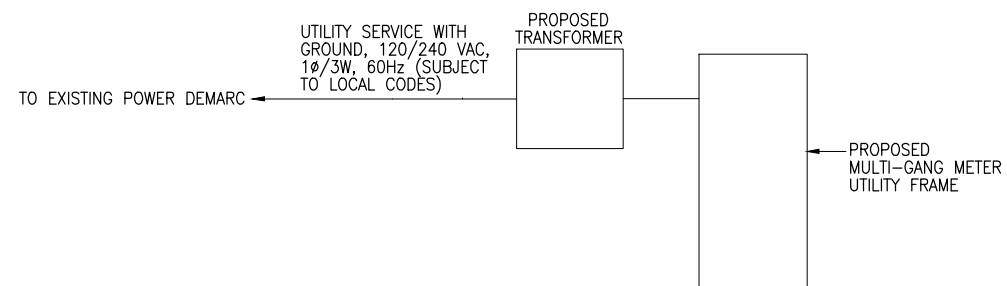
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C7



1 POWER/TELCO H-FRAME
 --- NOT TO SCALE

ELECTRIC SERVICE NOTES:

1. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 (LATEST REVISION), THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES AND REQUIREMENTS IN FORCE. ANY INSTALLATION WHICH WOULD VOID THE U.L. LISTING (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE SHALL NOT BE PERMITTED.
2. COORDINATE ELECTRIC SERVICE WITH LOCAL POWER UTILITY COMPANY. COORDINATE WITH UTILITY FOR METER TYPE AND CONNECTION.
3. ALL CONDUIT SHALL BE SEALED WATERTIGHT UNTIL FINAL TERMINATIONS ARE MADE.
4. PROVIDE PULL CORD IN ALL CONDUITS. SECURE AT EACH END.
5. ADJUST DEPTH OF CONDUITS TO PASS ABOVE GROUNDING SYSTEM.
6. PROVIDE 18 INCH (MIN.) RADIUS ELBOWS FOR ALL BENDS.
7. PROVIDE PHENOLIC ENGRAVED NAMEPLATES AT THE SERVICE DISCONNECT LABELED: "SERVICE DISCONNECT" & "NOTE ENGINE GENERATOR NEUTRAL IS ALSO BONDED TO GROUND AT THE SERVICE DISCONNECT." PROVIDE ADDITIONAL NAMEPLATES NOTING TYPE AND LOCATION OF STANDBY POWER SOURCE.



2 ELECTRICAL ONE LINE DIAGRAM
 --- NOT TO SCALE



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INLET
 88 LIMEKILN ROAD
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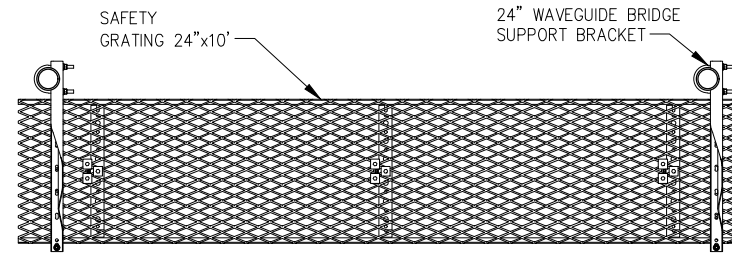
Prepared For
 Drawing Title
UTILITY RACK DETAIL

Drawing Scale:
 Date: **CD**
 12/28/21

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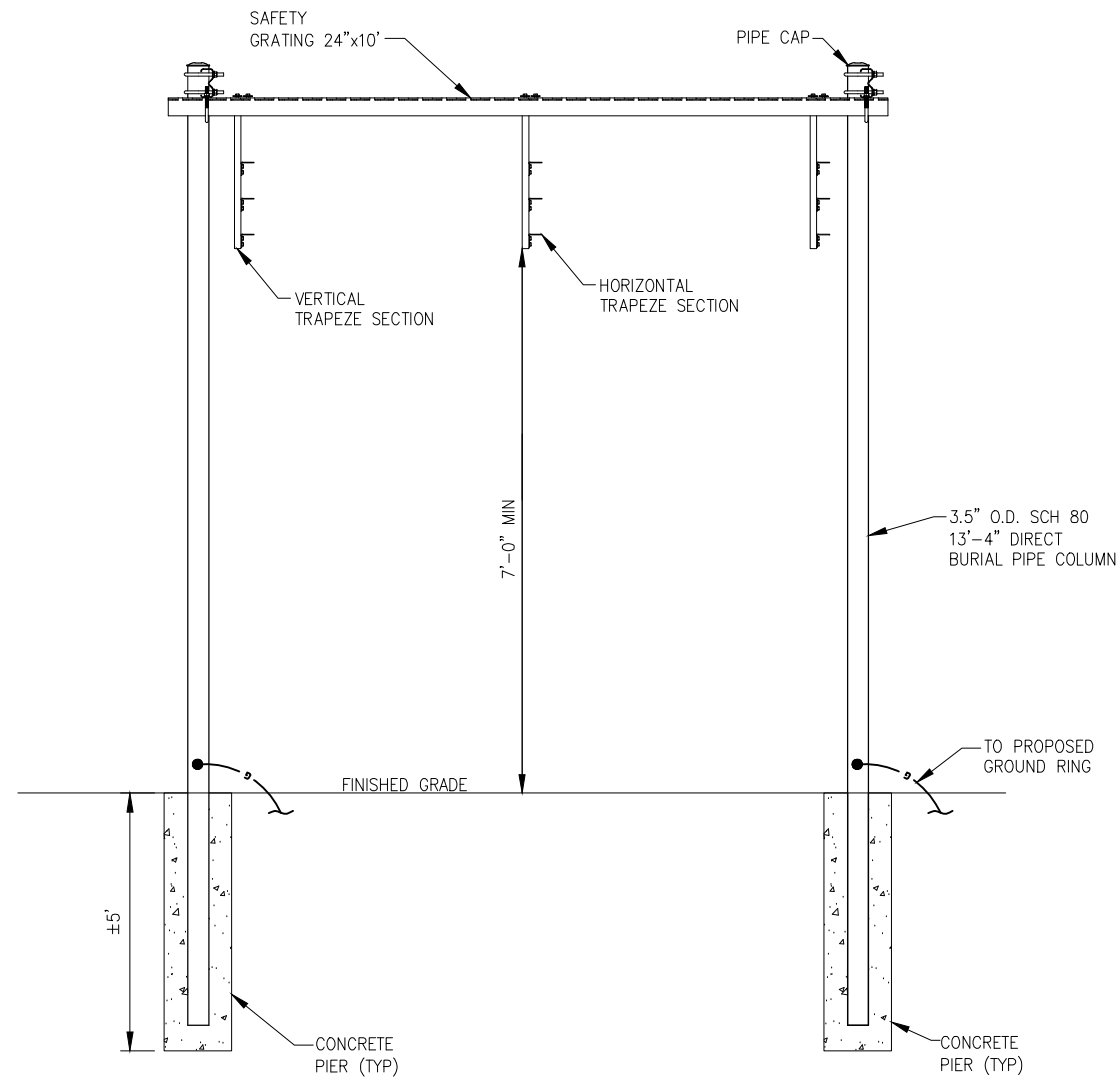
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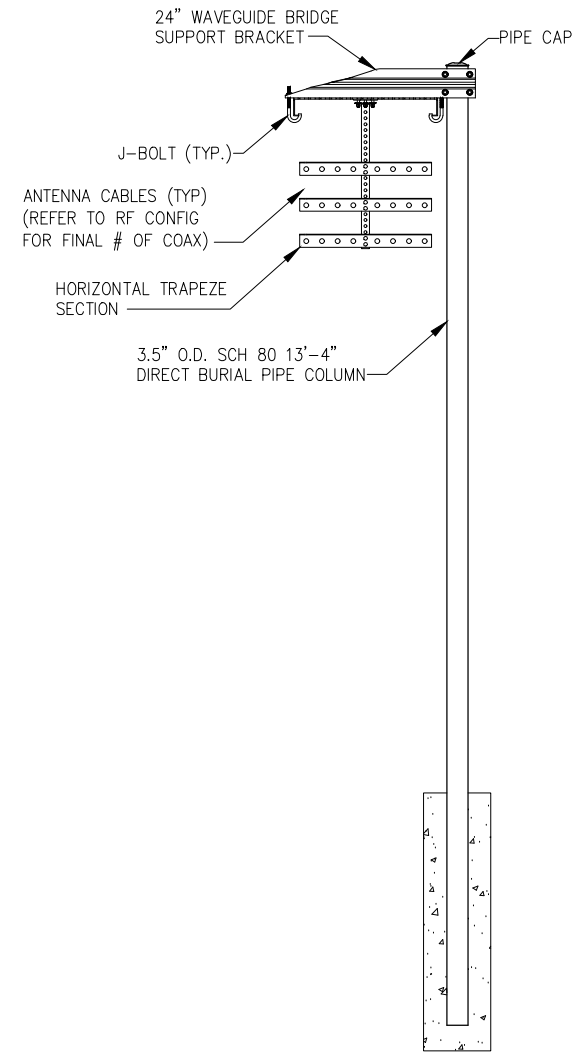


- NOTES:
1. USE SITEPRO1 PARTS OR APPROVED EQUAL.
 2. SUPPORT POSTS SHALL BE LOCATED ON ALTERNATING SIDES OF ICE BRIDGE, SPACED NO MORE THAN 6'-0".
 3. ANY SPLICES OR CANTILEVERED SECTIONS OF THE ICE BRIDGE SHALL BE LOCATED WITHIN 2'-0" OF A SUPPORT POST.

TOP



FRONT



SIDE

1 WAVEGUIDE BRIDGE KIT (SITE PRO1 P/N: IB24D-T3)
NOT TO SCALE



NEW YORK STATE OF OPPORTUNITY Adirondack Park Agency

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88 LIMEKILN ROAD
INLET, NY 13360



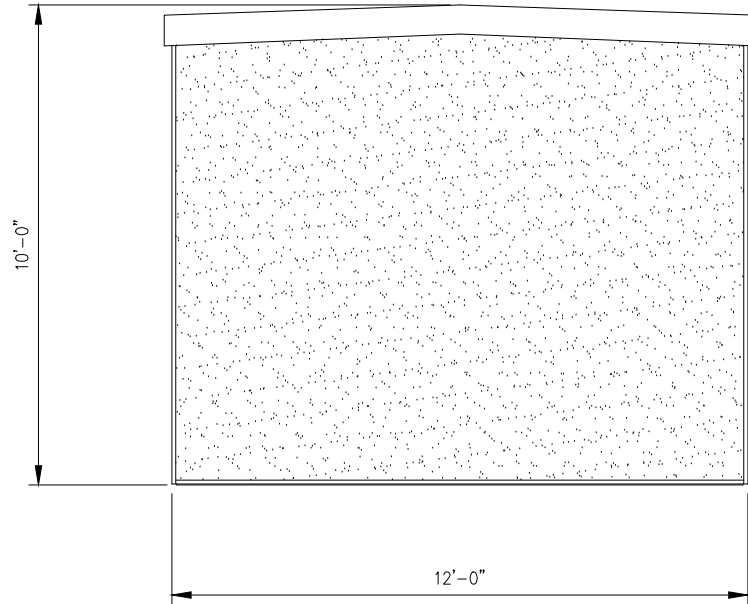
Drawing Title
ICE BRIDGE DETAILS

Drawing Scale: **CD**
Date: 12/28/21

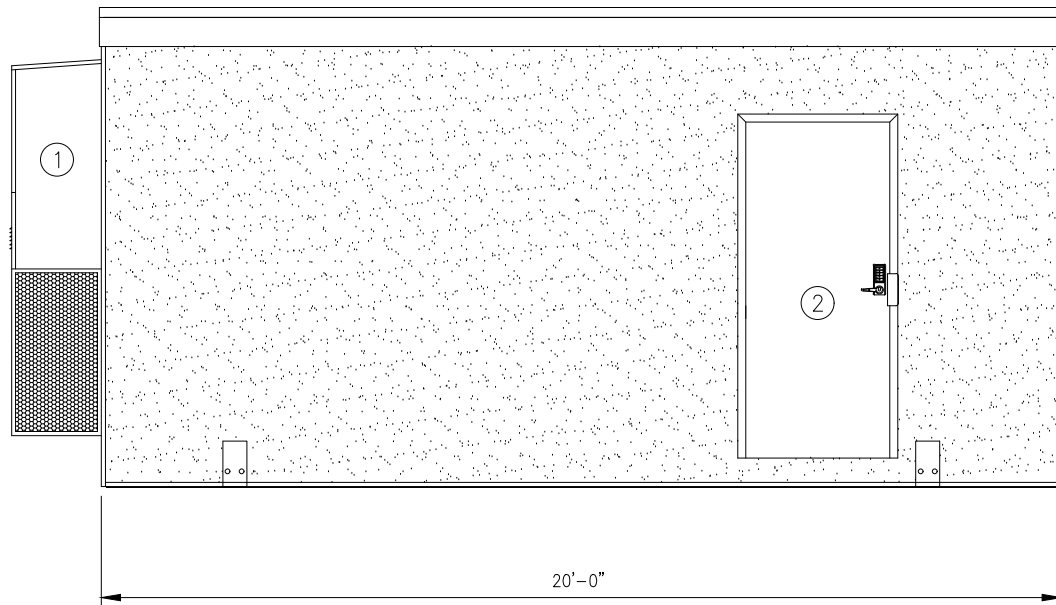
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Drawing Number
C9

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Office # (518) 690-0790
Fax # (518) 690-0793

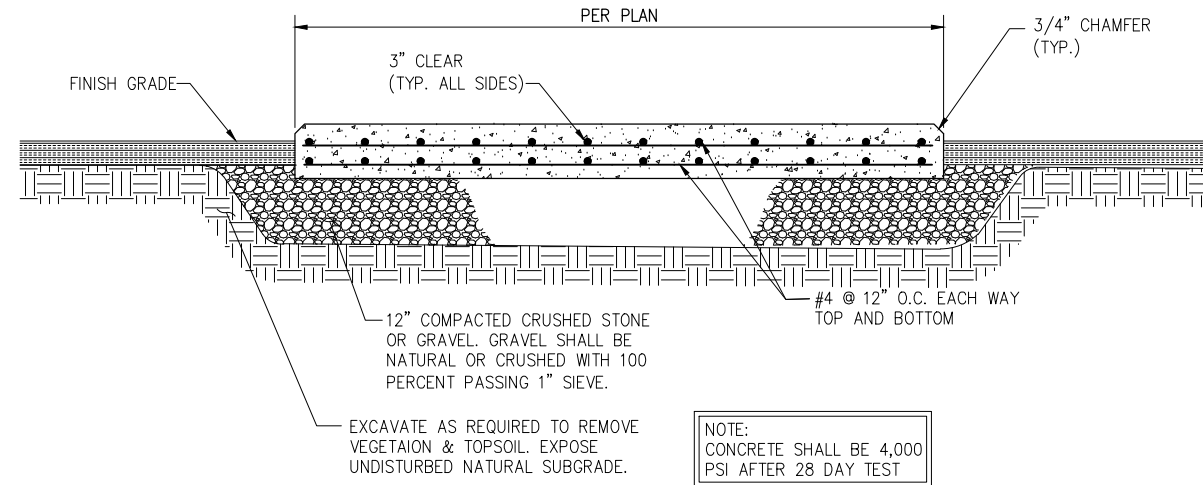


ITEM	QTY.	DESCRIPTION
1	2	3-TON HVAC UNIT
2	1	ACCESS DOOR



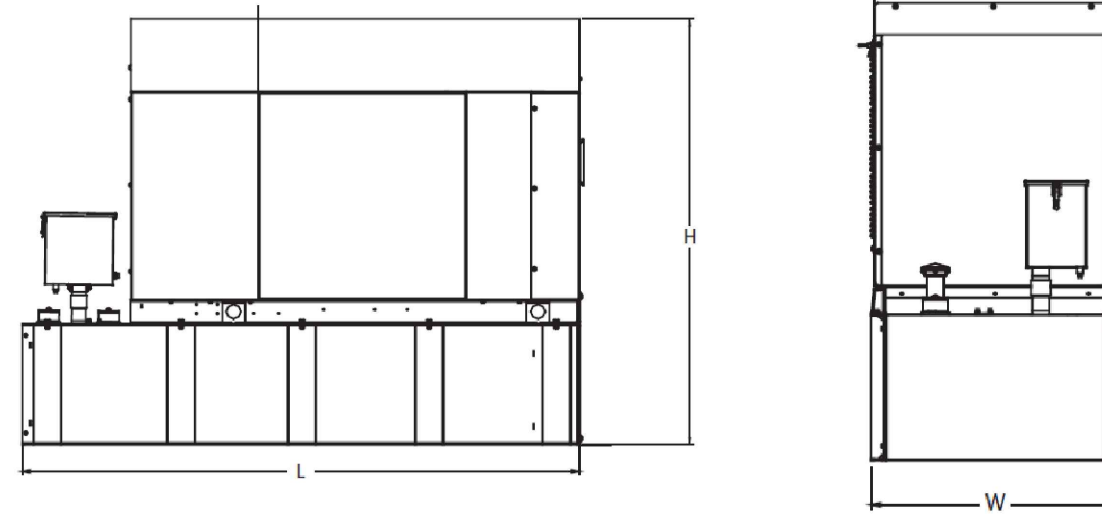
NOTE:
 EQUIPMENT SHELTER SPECS GENERIC IN NATURE.
 EQUIPMENT SHELTER MODEL # TO BE DETERMINED.

1 EQUIPMENT SHELTER DETAIL
 -- SCALE: NTS



NOTE:
 CONCRETE SHALL BE 4,000
 PSI AFTER 28 DAY TEST

2 FOUNDATION DETAIL



3 50 kW GENERATOR (MODEL# TBD)

3 GENERATOR DETAIL
 C10 NOT TO SCALE

No.	Submittal / Revision	App'd	Date
10	REVISED PER COMMENTS	SKB	03/14/22
9	REVISED PER COMMENTS	SKB	01/28/22
8	REVISED PER COMMENTS	SKB	12/28/21
7	REVISED PER COMMENTS	SKB	12/27/21
6	REVISED PER COMMENTS	SKB	12/21/21
5	REVISED PER COMMENTS	SKB	09/28/21
4	REVISED PER COMMENTS	SKB	06/17/21
3	REVISED PER COMMENTS	SKB	06/04/21
2	REVISED PER COMMENTS	SKB	04/16/21
1	REVISED PER COMMENTS	PEG	04/16/21

Drawn: SKB Date: 03/19/21
 Designed: AJR Date: 03/19/21
 Checked: AJR Date: 03/19/21

Project Number 1154-Z0001

Project Title
INLET
 88 LIMEKILN ROAD
 INLET, NY 13360

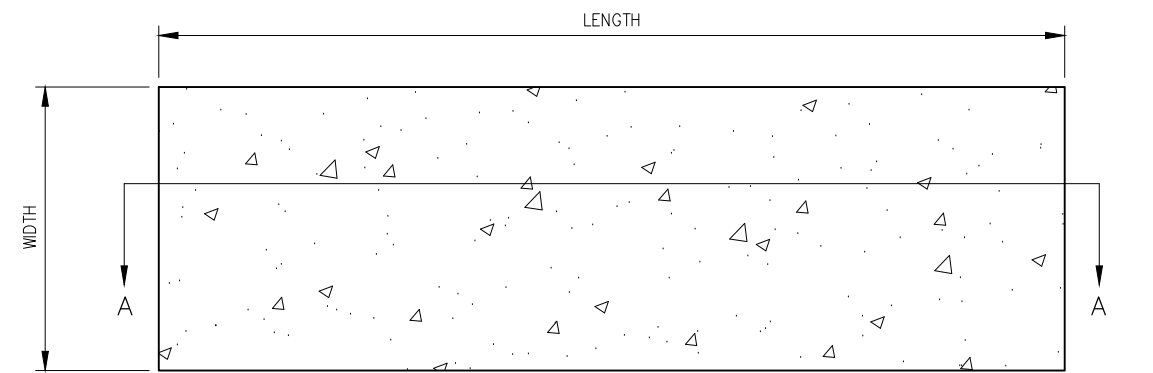


Drawing Title
GOVERNMENT USERS' SHELTER & GENERATOR SPECIFICATIONS

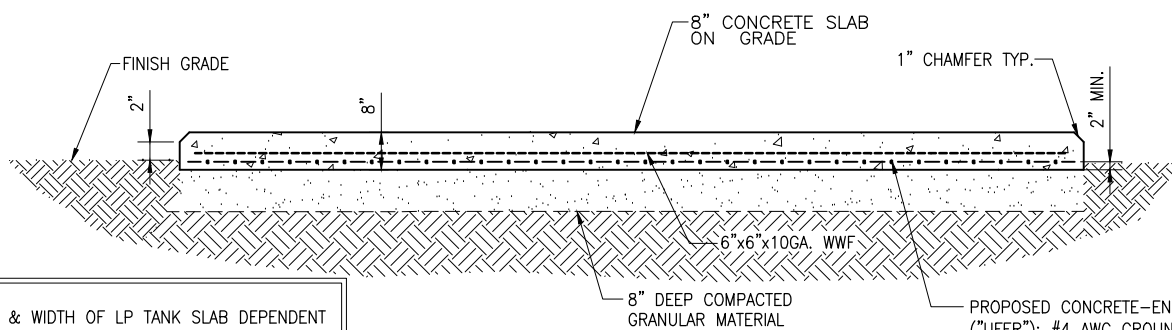
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C10



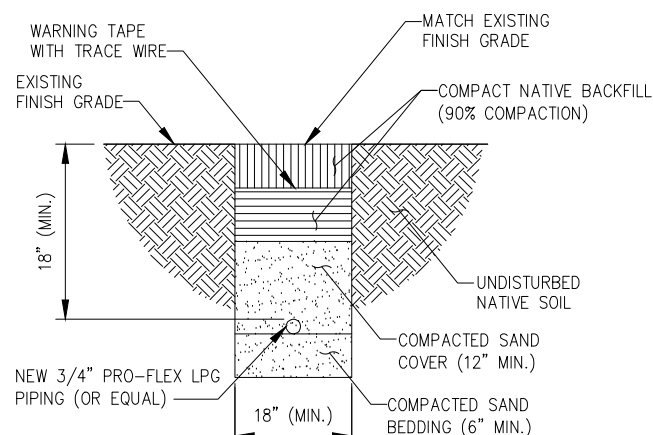
PLAN VIEW



NOTE:
LENGTH & WIDTH OF LP TANK SLAB DEPENDENT
ON TANK MANUFACTURER'S REQUIREMENTS.

SECTION A-A

1 LP GAS TANK SLAB
-- NOT TO SCALE

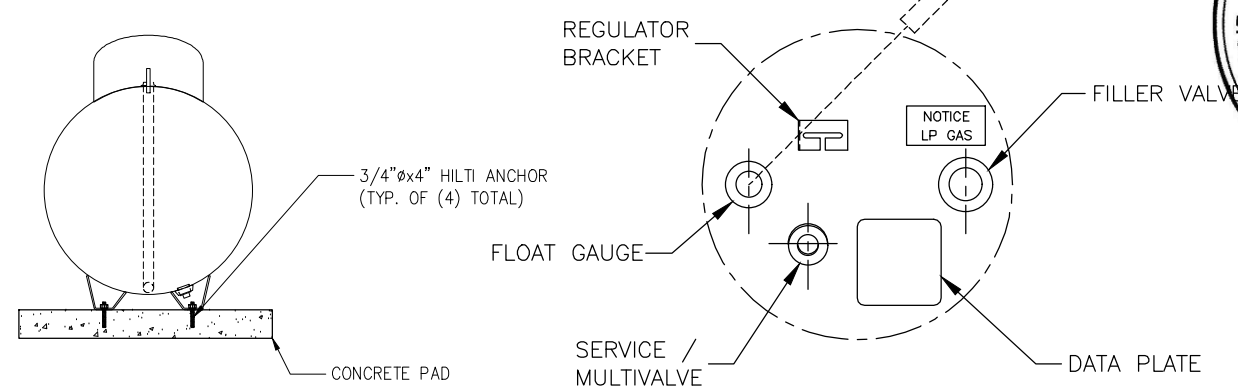
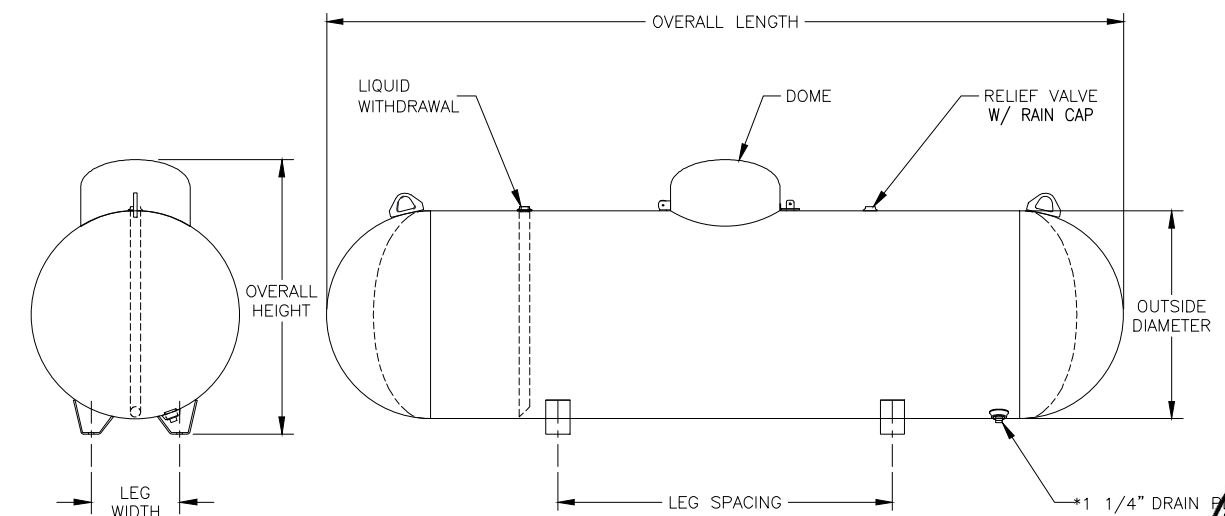


NOTE:
BEDDING TO BE COMPACTED,
PROVIDE CONTINUOUS BEARING,
AND FREE OF ROCKS AND DEBRIS

2 LP GAS PE PIPE TRENCH
-- SCALE: AS NOTED

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Part Number	Description	Water Capacity Gal/l	Outside Diameter In/mm	Head Type	Overall Length In/mm	Overall Riser Height In/mm	Leg Width In/mm	Leg Spacing In/mm	Weight Lbs/kg	Quantity	
										Full Load	Per Stack
68268	120 Gallon Aboveground Storage Tank*	120	24"	Ellip	5'6"	2'9 3/8"	10 1/8"	3'0"914.4	310 140.6	96	12
68270	250 Gallon Aboveground Storage Tank*	250	30"	Hemi	7'10"	3'3 3/8"	12 3/4"	3'6"	471 213.6	54	9
68272	320 Gallon Aboveground Storage Tank	320	30"	Hemi	9'7"	3'3 11/16"	12 3/4"	4'0 1/4"	566 256.7	45	9
68274	500 Gallon Aboveground Storage Tank	500	37.5"	Hemi	9'10"	3'11 1/16"	15"381	5'0"1524	920 417.3	30	6
68276	1000 Gallon Aboveground Storage Tank	1000	41"	Hemi	15'11"	4'2 1/2"	16 1/4"	9'0"	1811 821.5	15	5

TARANTIN INDUSTRIES
PROPANE TANK OR EQUAL

Tank Size	Tank Part#	Rego Relief Valve	Rego Chk-Lok (top)	Rego Chk-Lok (bottom)	Rego Filler Valve	Rego Multivalve	Rochester Float Gauge	Rochester Replacement Dial	AG Dome (White)	Dome Pin
1000 GAL	68276	8685GT	7590UT	7591UT	L7579CT	PT7556RS12.0	B8981-04068	5-01749	A97043.18	67980763
500 GAL	68274	8684GT	7590UT	7591UT	L7579CT	PT7556RS12.0	B8981-04067	5-01749	A97043.18	67980763
320 GAL	68272	7583GT	7590UT	7591UT	L7579CT	PT7556RS12.0	B8981-04070B	5-01749	A97043.18	67980763
250 GAL	68270	7583GT	7590UT	----	L7579CT	PT7556RS12.0	B8981-04070B	5-01749	A98233.18	67980763
120 GAL	68268	7583GT	7590UT	----	L7579CT	PT7556RS12.0	B8981-04024	5-01749	A98233.18	67980763

3 FUEL TANK DETAILS
-- NOT TO SCALE



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Drawn: SKB Date: 03/19/21
Designed: AJD Date: 03/19/21
Checked: AJD Date: 03/19/21

Project Number 1154-Z0001

Project Title
INLET
88 LIMEKILN ROAD
INLET, NY 13360



Drawing Title
GOVERNMENT
USERS' PROPANE
SPECIFICATIONS

Drawing Scale: **CD**
Date: 12/28/21

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Drawing Number
C11

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Fax # (518) 690-0793



Broadband Antennas

Low SWR Over 8 to 1 Range

Disk and Cone are Fabricated of 12 Radials

Must specify UHF or Type N Female connector.

Model	Pipe Size	Weight	Frequency Range
D-100A	1"	12 lbs.	100 to 800 MHz
D-150A	1"	4 lbs.	150 to 1200 MHz
D-300A	1"	4 lbs.	300 to 2400 MHz



D-150
(D-300 Has Solid Disc)

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1 KRECO MODEL D-150AN SPECS
SCALE: NTS

DB224-B



1-port omni exposed dipole antenna, 155-165 MHz, 360° HPBW, fixed electrical tilt

- Broad response
- Two-piece mast for ease of shipping

General Specifications

Antenna Type	Omni
Band	Single band
Color	Silver
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radiator Material	Aluminum
RF Connector Interface	N Male
RF Connector Location	Bottom
RF Connector Quantity, low band	1
RF Connector Quantity, total	1

Dimensions

Length	6477 mm 215 in
--------	------------------

Electrical Specifications

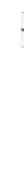
Impedance	50 ohm
Operating Frequency Band	155 - 165 MHz
Polarization	Vertical

Electrical Specifications

Frequency Band, MHz	155-165
Gain, dBi	3.1
Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	15

2 COMMSCOPE DB-224 SPECS
SCALE: NTS

DB222-A



1-port omni exposed dipole antenna, 150-158 MHz, 360° HPBW, fixed electrical tilt

- Broad response
- Weather resistant

General Specifications

Antenna Type	Omni
Band	Single band
Color	Silver
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radiator Material	Aluminum
RF Connector Interface	N Male
RF Connector Location	Bottom
RF Connector Quantity, low band	1
RF Connector Quantity, total	1

Dimensions

Length	3225.8 mm 127 in
--------	--------------------

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	150 - 158 MHz
Polarization	Vertical

Electrical Specifications

Frequency Band, MHz	150-158
Gain, dBi	5.1
Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	35

3 COMMSCOPE DB-222 SPECS
SCALE: NTS



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1	REVISED PER COMMENTS	PEG	04/16/21

No.	Submittal / Revision	App'd	Date
		SKB	03/19/21
		AJR	03/19/21
		AJR	03/19/21

Project Number
1154-Z0001

Project Title
INLET
88 LIMEKILN ROAD
INLET, NY 13360



Drawing Title
GOVERNMENT
USERS' ANTENNA
SPECIFICATIONS

Drawing Scale:
Date:
12/28/21
CD

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Drawing Number
C12

BASED ON CURRENT AVAILABLE INFORMATION, BLASTING IS NOT REQUIRED FOR DEVELOPMENT OF THE NEW ACCESS ROAD LOCATIONS OR TOWER SITE

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2	REVISED PER COMMENTS	SKB	04/16/21
1	REVISED PER COMMENTS	PEG	04/16/21

Project Number: 1154-Z0001
 Project Title: **INLET**
 88 LIMEKILN ROAD
 INLET, NY 13360

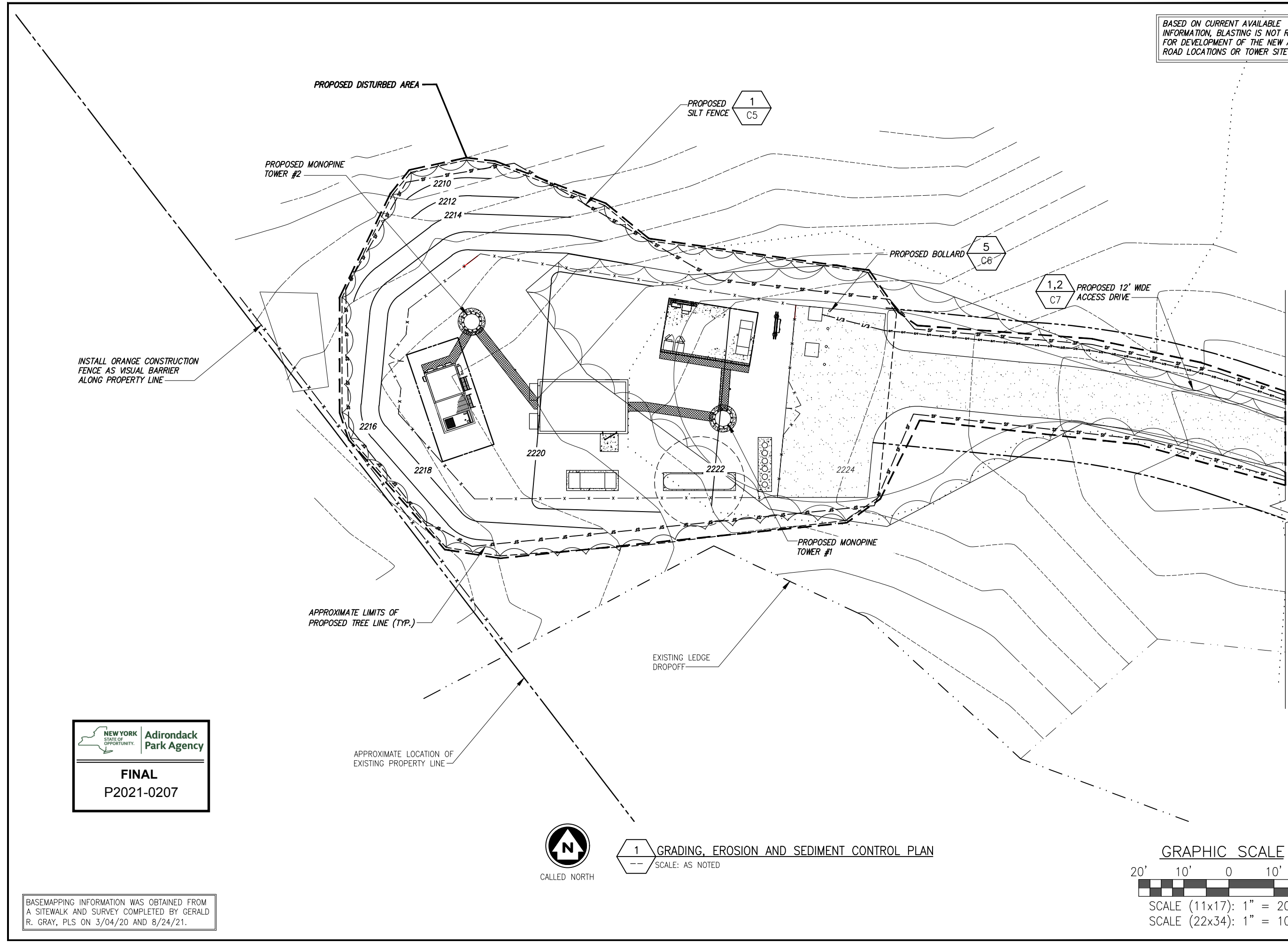


Drawing Title: **GRADING, EROSION & SEDIMENT CONTROL PLAN**

Drawing Scale: **CD**
 Date: 12/28/21

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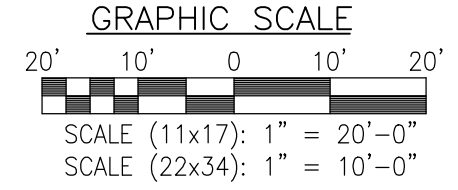
Drawing Number: **EC1**



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Adirondack Park Agency
FINAL
 P2021-0207



1 GRADING, EROSION AND SEDIMENT CONTROL PLAN
 SCALE: AS NOTED



BASEMAPPING INFORMATION WAS OBTAINED FROM A SITWALK AND SURVEY COMPLETED BY GERALD R. GRAY, PLS ON 3/04/20 AND 8/24/21.

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1	REVISED PER COMMENTS	PEG	04/16/21

Drawn: SKB Date: 03/19/21
Designed: AJD Date: 03/19/21
Checked: AJD Date: 03/19/21

Project Number: 1154-Z0001

Project Title:
INLET
88 LIMEKILN ROAD
INLET, NY 13360

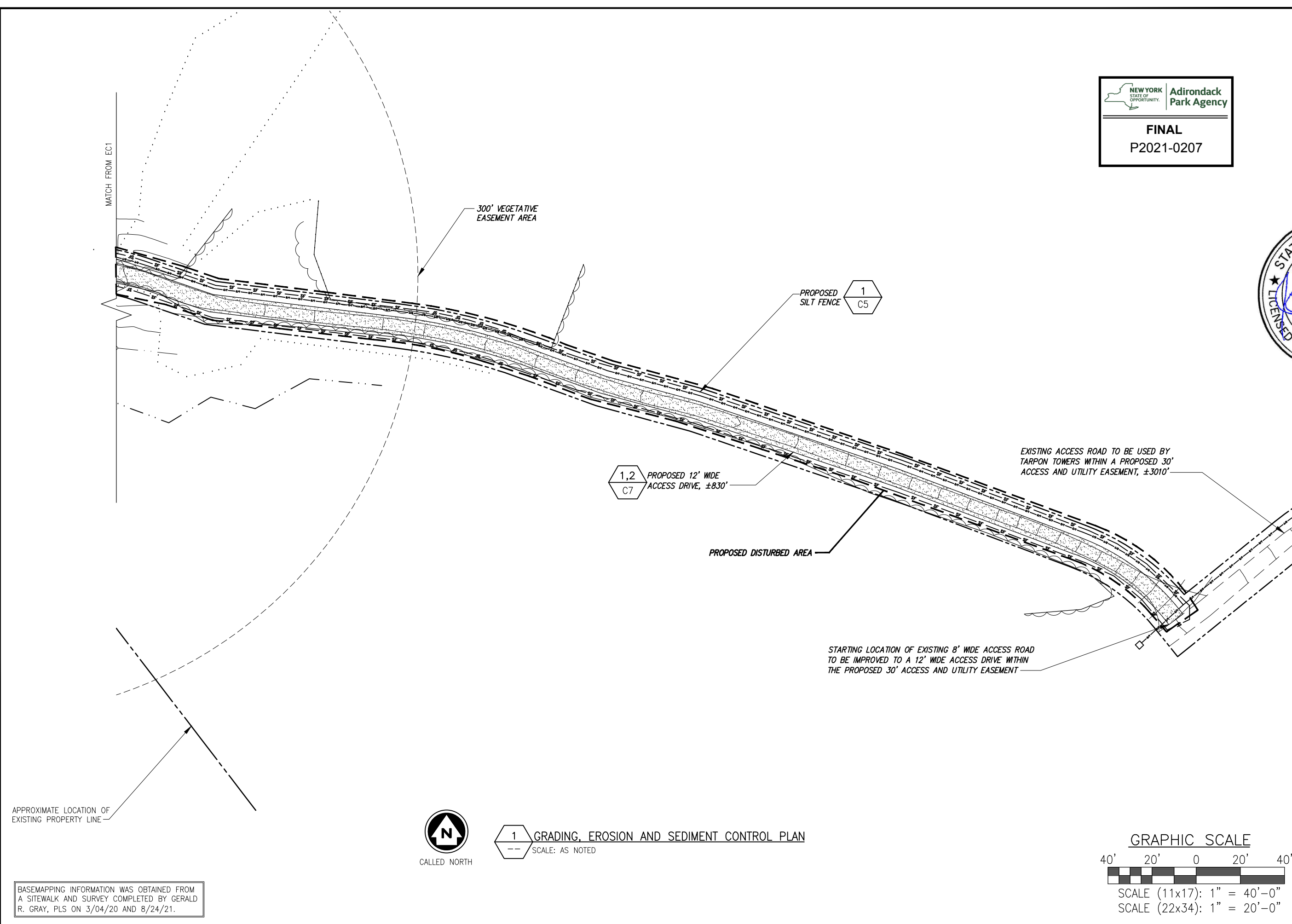
Prepared For:
TARPON TOWERS

Drawing Title:
GRADING, EROSION & SEDIMENT CONTROL PLAN

Drawing Scale:
CD
Date: 12/28/21

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Drawing Number:
EC1A

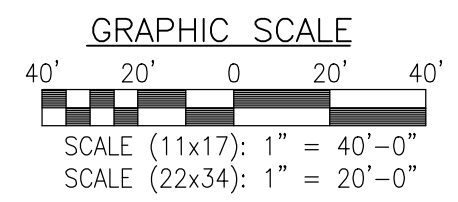


APPROXIMATE LOCATION OF EXISTING PROPERTY LINE

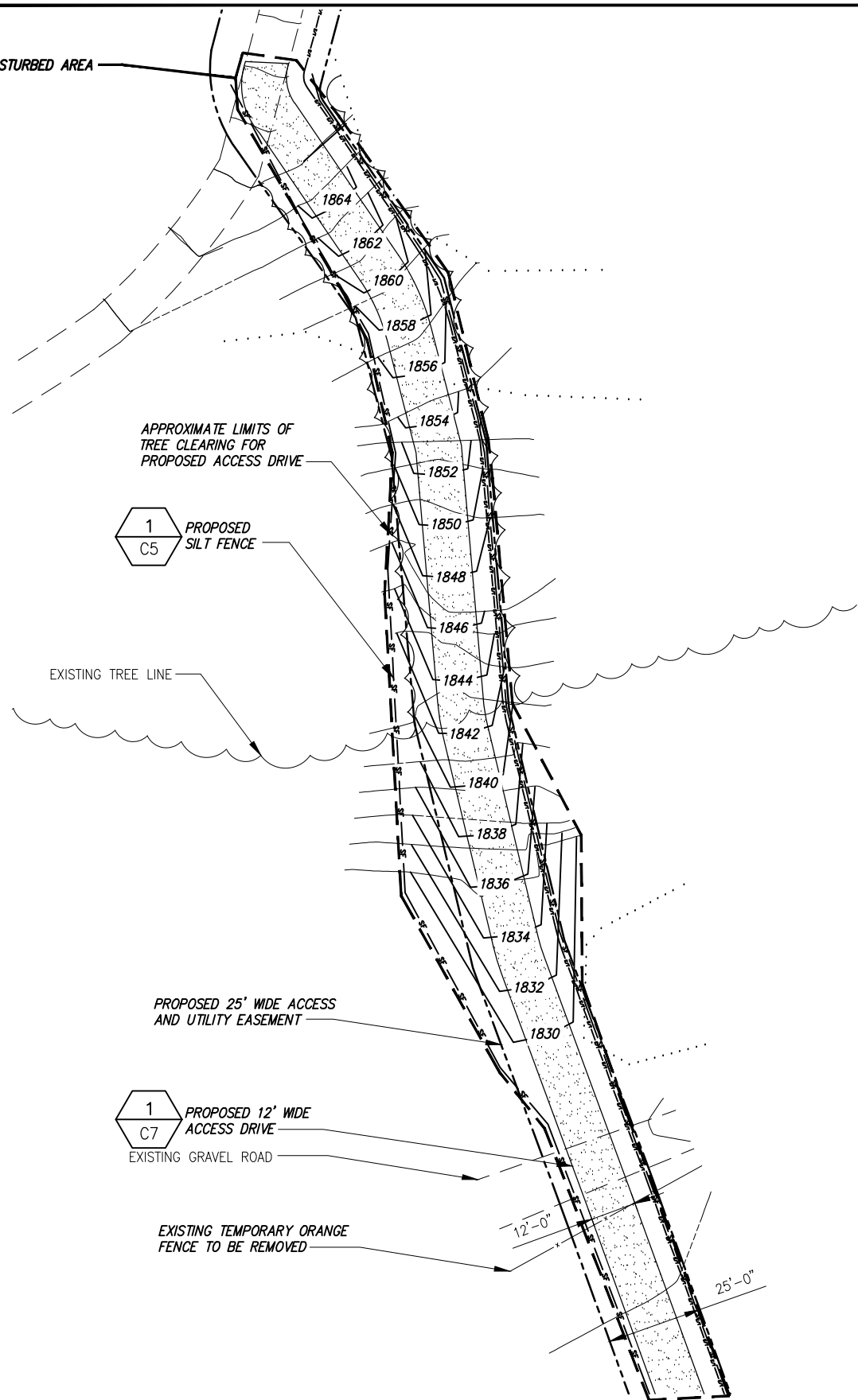
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1 GRADING, EROSION AND SEDIMENT CONTROL PLAN
SCALE: AS NOTED



PROPOSED DISTURBED AREA



APPROXIMATE LIMITS OF TREE CLEARING FOR PROPOSED ACCESS DRIVE

1 C5 PROPOSED SILT FENCE

EXISTING TREE LINE

PROPOSED 25' WIDE ACCESS AND UTILITY EASEMENT

1 C7 PROPOSED 12' WIDE ACCESS DRIVE

EXISTING GRAVEL ROAD

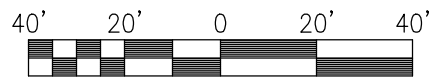
EXISTING TEMPORARY ORANGE FENCE TO BE REMOVED



CALLED NORTH

1 GRADING, EROSION AND SEDIMENT CONTROL PLAN
SCALE: AS NOTED

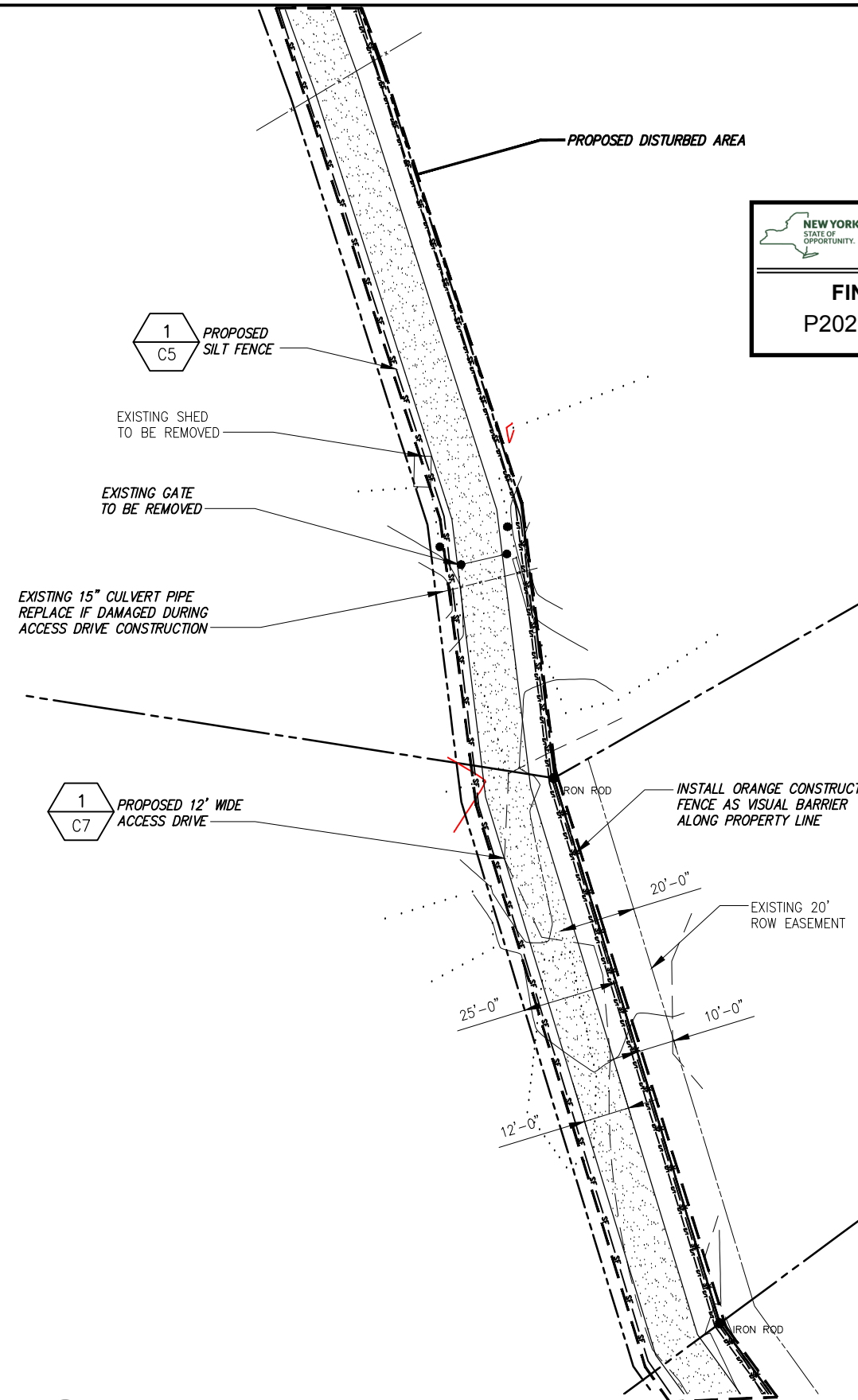
GRAPHIC SCALE



SCALE (11x17): 1" = 40'-0"
SCALE (22x34): 1" = 20'-0"

BASEMAPPING INFORMATION WAS OBTAINED FROM A SITWALK AND SURVEY COMPLETED BY GERALD R. GRAY, PLS ON 3/04/20 AND 8/24/21.

PROPOSED DISTURBED AREA



1 C5 PROPOSED SILT FENCE

EXISTING SHED TO BE REMOVED

EXISTING GATE TO BE REMOVED

EXISTING 15" CULVERT PIPE REPLACE IF DAMAGED DURING ACCESS DRIVE CONSTRUCTION

1 C7 PROPOSED 12' WIDE ACCESS DRIVE

INSTALL ORANGE CONSTRUCTION FENCE AS VISUAL BARRIER ALONG PROPERTY LINE

IRON ROD

EXISTING 20' ROW EASEMENT

25'-0"

20'-0"

10'-0"

12'-0"

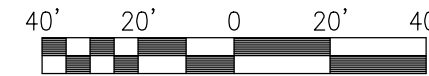
IRON ROD



CALLED NORTH

2 GRADING, EROSION AND SEDIMENT CONTROL PLAN
SCALE: AS NOTED

GRAPHIC SCALE



SCALE (11x17): 1" = 40'-0"
SCALE (22x34): 1" = 20'-0"



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10	REVISED PER COMMENTS	SKB	03/14/22
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Project Number 1154-Z0001

Project Title
INLET
88 LIMEKILN ROAD
INLET, NY 13360



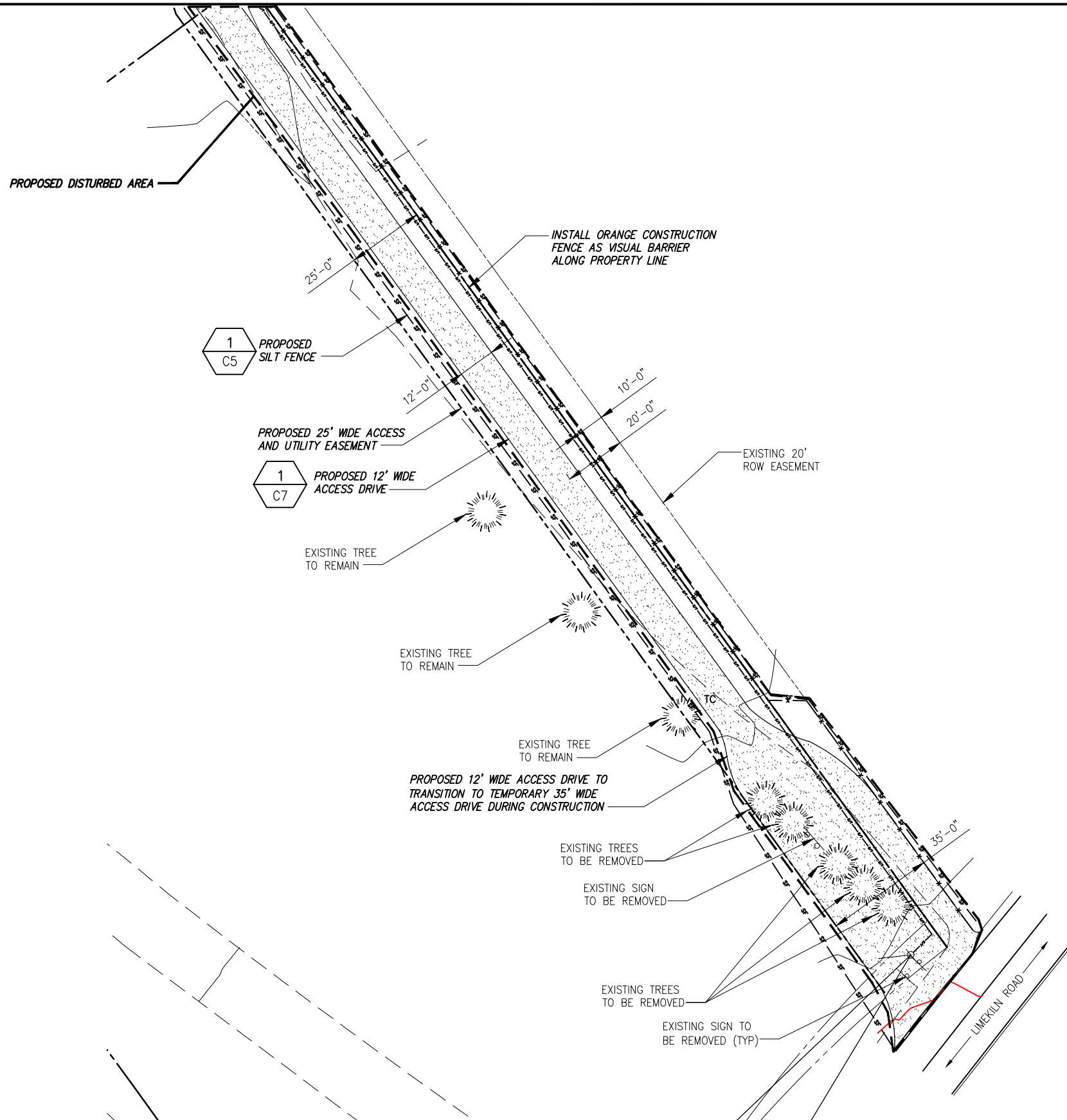
Drawing Title
GRADING, EROSION & SEDIMENT CONTROL PLAN

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Date: 12/28/21

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Drawing Number
EC2

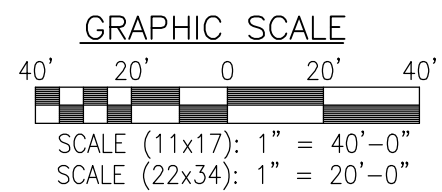
INFINIGY
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1 GRADING, EROSION AND SEDIMENT CONTROL PLAN
SCALE: AS NOTED



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Drawn: SKB Date: 03/19/21
Designed: AJP Date: 03/19/21
Checked: AJP Date: 03/19/21

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88 LIMEKILN ROAD
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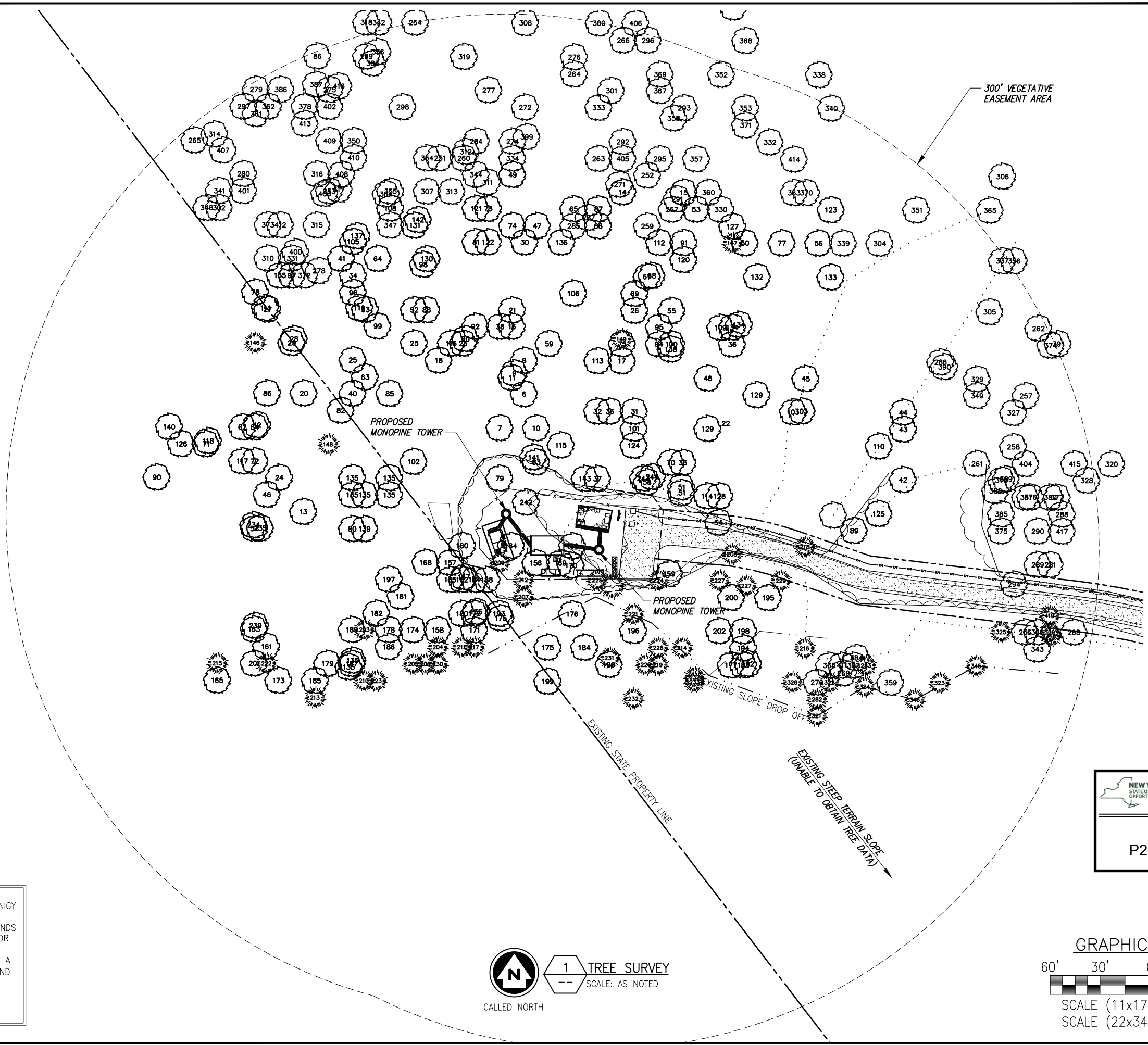


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Date: 12/28/21

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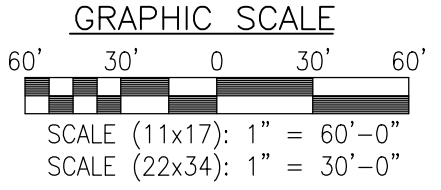
Drawing Number: **EC3**



- EXISTING TREES NOTED FOR REMOVAL:**
- TREE #79
 - TREE #242
 - TREE #164
 - TREE #156
 - TREE #169
 - TREE #170
 - TREE #166
 - TREE #188
 - TREE #160
 - TREE #209
 - TREE #212
 - TREE #225

NOTES:

- TREE IDENTIFICATION COMPLETED BY INFINIGY ENGINEERING ON 1/25/21 & 12/6/21.
- TREES SHOWN IN MAP ABOVE CORRESPONDS TO APPROXIMATE TREES GREATER THAN OR EQUAL TO DIAMETER OF 8"
- ID NUMBERS IN MAP ABOVE REPRESENTS A UNIQUE "TREE IDENTIFICATION NUMBER" AND CORRELATES TO SPECIES ON FOLLOWING SHEETS IN THIS DRAWING SET.
- SUMMIT PINES #227 AND #229 WITHIN VEGETATIVE EASEMENT TO REMAIN.



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INLET, NY 13360



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Drawing Title: **TREE SURVEY**

Drawing Scale: **CD**
Date: 12/28/21

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Drawing Number: **TS1**

6	1787635.509	412573.7942	447.7512	beechn-35h
7	1787615.154	412559.1908	673.608	beechn-40h
8	1787655.581	412573.8671	670.56	beechn-40h
9	1787645.373	412566.4332	670.2552	mpl12-50h
10	1787615.074	412581.1195	675.132	mpl14-50h
11	1787645.373	412566.4332	669.6456	birch20-45h
12	1787615.688	412412.2671	668.1216	birch8-30h
13	1787564.929	412441.4083	672.6936	beechn-40h
14	1787756.674	412632.9122	669.036	beechn-30h
15	1787756.541	412669.637	669.9504	beechn-30h
16	1787676.016	412566.5445	679.704	beechn-30h
17	1787655.368	412632.5445	682.1424	beechn-30h
18	1787655.767	412522.6129	669.3408	beechn-35h
19	1787574.997	412478.1705	675.132	beechn-35h
20	1787635.989	412441.6669	669.9504	beechn-35h
21	1787685.853	412566.5802	676.3512	beechn-35h
22	1787614.701	412683.9188	689.7624	beechn-35h
23	1787665.92	412537.1793	668.7312	beechn-35h
24	1787585.389	412426.9532	672.084	beechn-40h
25	1787655.955	412471.068	671.1696	beechn-40h
26	1787685.586	412640.0511	682.752	beechn-40h
27	1787686.386	412419.9213	670.56	beechn-45h
28	1787666.294	412434.3803	671.4744	beechn-45h
29	1787666.294	412434.3803	672.6936	beechn-45h
30	1787726.642	412574.1253	666.9024	beechn-45h
31	1787625.067	412639.8314	687.0192	beechn-45h
32	1787625.147	412617.8815	685.8	beechn-45h
33	1787594.347	412669.0485	689.7624	beechn-45h
34	1787706.608	412471.2523	667.2072	beechn-35h
35	1787665.334	412698.6346	686.1048	beechn-35h
36	1787625.12	412625.3021	686.7144	beechn-35h
37	1787584.696	412617.7347	693.1152	beechn-35h
38	1787676.042	412559.412	668.4264	beechn-40h
39	1787666.027	412507.83	668.7312	beechn-40h
40	1787635.882	412470.995	668.7312	beechn-40h
41	1787716.839	412464.1569	666.9024	beechn-40h
42	1787584.031	412801.1405	694.6392	beechn-40h
43	1787614.276	412801.25	689.1528	beechn-40h
44	1787624.481	412801.287	687.6288	beechn-40h
45	1787644.733	412742.7059	687.324	beechn-40h
46	1787575.21	412419.5166	670.56	beechn-50h
47	1787736.452	412581.5604	668.4264	beechn-35h
48	1787644.946	412684.0285	687.6288	beechn-35h
49	1787767.119	412566.8754	665.6832	beechn-45h
50	1787726.162	412706.252	676.0464	beechn-65h
51	1787576.293	412668.3479	2277.9499	beechn-45h
52	1787686.066	412507.9029	674.2176	beechn-35h
53	1787746.312	412676.9994	669.9504	beechn-35h
54	1787558.438	412690.391	694.6392	beechn-40h
55	1787685.506	412662.2467	681.5328	beechn-35h
56	1787726.002	412750.3974	674.5224	beechn-50h
57	1787554.83	412412.0456	670.56	beechn-40h
58	1787582.708	412647.6683	2954.4915	beechn-45h
59	1787665.733	412588.7004	681.8376	beechn-30h
60	1787665.92	412537.1793	669.3408	beechn-35h
61	1787575.024	412470.7737	674.8272	beechn-35h
62	1787615.715	412404.8676	668.7312	beechn-35h
63	1787645.693	412478.4276	672.084	beechn-35h
64	1787716.759	412486.0855	668.1216	beechn-35h

65	1787746.578	412603.5261	667.512	beechn-35h
66	1787736.319	412618.2851	669.036	beechn-35h
67	1787705.967	412647.5245	673.3032	beechn-35h
68	1787705.967	412647.5245	673.9128	beechn-35h
69	1787695.792	412640.0881	675.132	beechn-35h
70	1787594.373	412661.916	689.4576	beechn-35h
71	1787605.593	412382.8806	668.4264	beechn-40h
72	1787595.28	412412.1928	669.6456	beechn-40h
73	1787746.765	412552.2694	664.7688	beechn-40h
74	1787736.506	412566.7642	665.988	beechn-40h
75	1787665.574	412632.5816	681.8376	beechn-40h
76	1787584.483	412676.4123	691.896	beechn-40h
77	1787726.082	412728.4476	674.2176	beechn-12-16-60h
78	1787696.619	412412.5617	667.512	birch-16-50h
79	1787584.909	412559.0809	676.0464	birch10-40h
80	1787554.616	412470.6995	674.5224	birch12-35h
81	1787726.748	412544.7999	668.7312	birch12-45h
82	1787625.706	412463.8254	669.3408	birch14-50h
83	1787594.667	412581.0454	693.42	birch14-50h
84	1787615.688	412412.2671	669.9504	birch16-40h
85	1787635.802	412493.188	669.9504	birch18-45h
86	1787636.069	412419.7381	667.8168	birch20-60h
87	1787746.525	412618.3222	667.512	birch22-60h
88	1787686.039	412515.3235	673.608	birch8-35h
89	1787553.523	412771.704	697.6872	cherry18-45h
90	1787585.657	412353.4794	666.2928	cherry23-60h
91	1787726.295	412669.5272	671.1696	mpk16-45h
92	1787676.095	412544.6158	668.7312	mpl-16-55h
93	1787686.173	412478.5748	669.6456	mpl10-35h
94	1787665.493	412654.7772	683.6664	mpl10-40h
95	1787675.695	412654.8142	684.276	mpl10-40h
96	1787696.406	412471.2152	668.7312	mpl10-45h
97	1787706.741	412434.5275	667.2072	mpl10-45h
98	1787716.653	412515.4347	671.4744	mpl10-45h
99	1787676.309	412485.9384	669.6456	mpl10-50h
100	1787665.466	412662.1739	683.9712	mpl10-50h
101	1787614.861	412639.7944	687.0192	mpl10-55h
102	1787594.934	412507.5716	676.656	mpl12-45h
103	1787624.721	412735.2339	687.6288	mpl12-55h
104	1787585.149	412493.0038	676.3512	mpl12-40h
105	1787727.015	412471.3265	667.2072	mpl12-40h
106	1787695.925	412603.3421	674.8272	mpl12-40h
107	1787574.943	412492.9667	676.656	mpl12-45h
108	1787746.978	412493.5923	665.3784	mpl12-45h
109	1787675.562	412691.5391	683.3616	mpl12-45h
110	1787604.126	412786.6837	694.0296	mpl12-45h
111	1787686.386	412419.9213	669.6456	mpl12-50h
112	1787726.348	412654.998	672.6936	mpl12-50h
113	1787655.421	412617.9914	683.0568	mpl12-50h
114	1787574.25	412683.7721	694.0296	mpl12-50h
115	1787604.818	412595.8787	692.5056	mpl12-50h
116	1787665.946	412530.0468	667.8168	mpl12-55h
117	1787595.307	412404.7934	669.3408	mpl12-55h
118	1787605.593	412382.8806	668.4264	mpl12-55h
119	1787686.173	412478.5748	670.2552	mpl12-55h
120	1787716.093	412669.4902	678.7896	mpl12-55h
121	1787746.791	412544.8727	664.7688	mpl12-60h
122	1787726.721	412552.1966	668.1216	mpl12-60h
123	1787746.018	412757.8694	674.2176	mpl12-60h
124	1787604.659	412639.7574	688.2384	mpl12-60h


133	1787705.568	412757.7228	676.0464	mpl16-60h
134	1787675.536	412698.6716	683.0568	mpl18-55h
135	1787706.767	412427.395	665.6832	mpl18-55h
136	1787726.561	412596.3208	668.7312	mpl18-60h
137	1787727.015	412471.3265	667.512	mpl20*60h
138	1787665.466	412662.1739	683.0568	mpl20-30h
139	1787554.589	412478.0963	675.132	mpl20-60h
140	1787615.875	412360.9864	667.512	mpl24-55h
141	1787594.667	412581.0454	693.7248	mpl8-40h
142	1787736.719	412508.0871	665.988	mpl8-45h
143	1787584.723	412610.3352	692.8104	mpltw10-50h
144	1787585.23	412470.8108	674.8272	oak8-35h
145	1787625.68	412470.9579	671.7792	oak8-49h
146	1787666.374	412412.4516	672.084	pine16-60h
147	1787726.189	412698.8553	676.3512	pine16-60h
148	1787605.326	412456.3517	671.4744	pine20+60h
149	1787665.574	412632.5816	683.9712	pine22-60h
151	1787574.703	412559.0438	678.7896	twr
152	1787574.73	412551.6444	676.9608	twr2
153	1787524.104	412544.0635	709.2696	mpl12-45h
154	1787524.104	412544.0635	709.2696	beechn-20h
155	1787524.157	412529.5315	709.5744	beechn-30h
156	1787534.176	412580.8257	711.708	beechn-40h
157	1787534.362	412529.5686	710.4888	beechn-45h
158	1787493.909	412522.0246	705.0024	beechn-45h
159	1787527.612	412660.8708	698.2968	beechn-25h
160	1787544.538	412536.7382	710.7936	beechn-40h
161	1787484.077	412419.185	702.564	beechn-455
162	1787524.131	412536.664	709.5744	beechn-45h
163	1787494.31	412411.8253	702.2592	beechn-45h
164	1787544.432	412566.0665	711.708	beechn-40h
165	1787463.777	412389.7612	699.8208	beechn-45h
166	1787544.299	412602.7916	712.0128	beechn-30h
167	1787524.131	412536.664	709.5744	beechn-20-45h
168	1787534.416	412514.7723	710.184	beechn-35h
169	1787534.122	412595.622	700.1256	birch-12-45h
170	1787534.096	412602.7545	699.8208	birch-14-40h
171	1787493.83	412543.9535	708.0504	birch10-35h
172	1787503.696	412543.9893	706.2216	birch12-40h
173	1787463.643	412426.5102	700.4304	birch12-35h
174	1787493.963	412507.2045	707.4408	birch12-40h
175	1787483.464	412588.0384	705.0024	birch12-40h
176	1787503.483	412602.6433	705.3072	birch12-40h
177	1787472.863	412697.9365	687.6288	birch12-40h
178	1787494.016	412492.6725	705.3072	birch12-45h
179	1787473.742	412455.8731	702.8688	birch12-45h
180	1787503.723	412536.5899	708.3552	birch14-35h
181	1787514.062	412499.878	707.7456	birch14-45h
182	1787503.91	412485.3115	706.2216	birch14-45h
183	1787472.836	412705.3334	706.8312	birch14-45h
184	1787483.384	412609.9673	702.8688	birch16-45h
185	1787463.563	412448.4391	701.9544	birch18*50h

186	1787483.81	412492.6354	703.1736	birch18-50h
187	1787473.689	412470.4051	702.2592	birch8-40h
188	1787524.077	412551.4603	707.136	birch8-30h
			-99999	
190	1787473.128	412624.7504	701.04	mpl10-40h
191	1787532.712	412670.9558	695.2488	mpl10-40h
192	1787472.836	412705.3334	687.324	mpl10-40h
193	1787503.642	41255		


point,	northing,	easting,	desc,	height
251,	1787777.1126,	412523.0540,	10beech,	25h
252,	1787766.8257,	412647.7481,	10beech,	35h
253,	1787757.3133,	412456.9073,	10beech,	35h
254,	1787858.4655,	412508.5323,	10beech,	35h
255,	1787838.2711,	412449.8023,	10beech,	35h
256,	1787492.6280,	412874.2845,	10beech,	35h
257,	1787634.4174,	412874.7976,	10beech,	35h
258,	1787603.8308,	412867.2900,	10beech,	40h
259,	1787736.2124,	412647.6370,	10beech,	40h
260,	1787777.0598,	412537.5859,	10beech,	40h
261,	1787593.7045,	412845.3243,	10beech,	40h
262,	1787674.8706,	412882.3435,	10beech,	40h
263,	1787776.7661,	412618.4320,	10beech,	45h
264,	1787827.5055,	412603.8199,	10beech,	45h
265,	1787787.8529,	412376.1448,	10beech,	45h
266,	1787847.8066,	412633.2430,	10beech,	50h
267,	1787746.3607,	412662.4701,	10birch,	30h
268,	1787492.5219,	412903.6128,	10birch,	30h
269,	1787468.0157,	412765.3161,	10birch,	35h
270,	1787462.4700,	412749.4448,	10birch,	40h
271,	1787761.3013,	412630.8924,	10mpl,	40h
272,	1787807.5725,	412574.4219,	10mpl,	40h
273,	1787867.6102,	412699.3682,	10mpl,	45h
274,	1787787.1589,	412566.9483,	10mpl,	45h
275,	1787818.2010,	412457.1288,	10mpl,	50h
276,	1787837.7112,	412603.8570,	10mpl,	50h
277,	1787817.8542,	412552.5304,	10mpl,	55h
278,	1787709.5054,	412450.6980,	10mpl,	55h
279,	1787818.3616,	412413.0048,	10mpl,	55h
280,	1787767.7065,	412405.4209,	10mpl,	60h
281,	1787533.0544,	412889.2299,	10pine,	42h
282,	1787452.2643,	412749.4079,	10pine,	40h
283,	1787472.5657,	412778.8102,	10pine,	50h
284,	1787787.2386,	412545.0197,	14mpl,	60h
285,	1787736.3726,	412603.4890,	12beech,	40h
286,	1787654.6753,	412823.5923,	12beech,	40h
287,	1787741.4428,	412612.5004,	10beech,	35h
288,	1787563.2738,	412896.4719,	12beech,	35h
289,	1787533.0812,	412881.8305,	12beech,	35h
290,	1787553.1244,	412881.9030,	12beech,	35h
291,	1787752.5665,	412665.5121,	12beech,	35h
292,	1787786.9189,	412633.0220,	12beech,	35h
293,	1787807.2261,	412669.8235,	12beech,	35h
294,	1787521.3084,	412867.7980,	12beech,	35h
295,	1787776.6327,	412655.1805,	12beech,	40h
296,	1787847.7529,	412648.0418,	12beech,	40h
297,	1787808.1865,	412405.5683,	12beech,	40h
298,	1787807.8395,	412500.9488,	12beech,	40h
299,	1787838.1644,	412479.1302,	12beech,	45h
300,	1787858.0651,	412618.7272,	12beech,	45h
301,	1787817.5873,	412626.0008,	12beech,	45h
302,	1787747.3481,	412390.7963,	12birch,	40h
303,	1787472.5925,	412771.4107,	12birch,	40h
304,	1787725.8689,	412787.1248,	12mpl,	40h
305,	1787684.8143,	412853.0510,	12mpl,	45h
306,	1787766.0537,	412860.7446,	12mpl,	45h
307,	1787757.0999,	412515.5818,	12mpl,	45h
308,	1787858.2254,	412574.6059,	12mpl,	45h
309,	1787492.5744,	412889.0835,	12pine,	40h
310,	1787716.9961,	412420.0353,	12mpl,	50h
311,	1787762.6422,	412551.6538,	12mpl,	55h
312,	1787780.9532,	412538.8478,	12mpl,	55h
313,	1787757.0462,	412530.3805,	12mpl,	55h
314,	1787791.4910,	412388.1328,	12mpl,	55h
315,	1787736.9326,	412449.4337,	12mpl,	55h
316,	1787767.5459,	412449.5450,	12mpl,	60h
317,	1787758.3220,	412462.7084,	12mpl,	60h
318,	1787858.5721,	412479.2045,	12mpl,	60h
319,	1787837.9511,	412537.8071,	12mpl,	50h
320,	1787593.4120,	412926.1738,	12pine,	40h
321,	1787442.4268,	412749.3722,	12pine,	45h
322,	1787462.4432,	412756.8417,	12pine,	45h
323,	1787462.2039,	412822.8953,	12pine,	50h
324,	1787459.8877,	412778.0221,	12pine,	50h
325,	1787492.6806,	412859.7551,	12pine,	50h
326,	1787462.5236,	412734.6485,	12ppine,	45h
327,	1787624.2385,	412867.3639,	14beech,	25h
328,	1787583.6280,	412911.3420,	14beech,	30h
329,	1787644.3610,	412845.5077,	14beech,	30h
330,	1787746.2543,	412691.7955,	14beech,	35h
331,	1787716.9432,	412434.5646,	14beech,	35h
332,	1787786.5988,	412721.2702,	14beech,	40h
333,	1787807.4123,	412618.5433,	14beech,	40h
334,	1787776.9532,	412566.9112,	14beech,	40h
335,	1787472.6452,	412756.8787,	14birch,	40h
336,	1787840.9482,	412486.0328,	14birch,	55h
337,	1787715.3972,	412860.5612,	14mpl,	45h
338,	1787826.9724,	412750.7660,	14mpl,	45h
339,	1787725.9484,	412765.1962,	14mpl,	50h
340,	1787806.9061,	412758.0901,	14mpl,	55h
341,	1787757.5538,	412390.8334,	14mpl,	60h
342,	1787858.5452,	412486.6012,	14mpl,	60h
343,	1787482.3773,	412881.6470,	14mpl,	45h
344,	1787767.1990,	412544.9469,	14mpl,	60h
345,	1787472.3264,	412844.8849,	14pine,	55h
346,	1787452.0518,	412808.0620,	14pine,	55h
347,	1787736.7721,	412493.5578,	14pine,	60h
348,	1787747.3751,	412383.3969,	14pine,	65h
349,	1787634.5235,	412845.4721,	15beech,	40h
350,	1787787.5057,	412471.5465,	16beech,	35h
351,	1787745.8290,	412809.1260,	16beech,	40h
352,	1787827.1852,	412692.0890,	16beech,	40h
353,	1787807.0929,	412706.5482,	16beech,	40h
354,	1787777.1395,	412515.6546,	16beech,	40h
355,	1787757.1798,	412493.6320,	16beech,	40h
356,	1787715.3714,	412867.6937,	16beech,	45h
357,	1787776.5532,	412677.1091,	16beech,	45h
358,	1787801.0280,	412663.4679,	16beech,	45h
359,	1787462.3101,	412793.5696,	16birch,	35h
360,	1787756.4868,	412684.4358,	16birch,	50h
361,	1787803.6679,	412412.9321,	16birch,	50h
362,	1787808.1326,	412420.3670,	16birch,	55h
363,	1787756.3008,	412735.7135,	16mpl,	45h
364,	1787755.5633,	412490.9518,	16mpl,	45h
365,	1787745.6692,	412853.2713,	16mpl,	55h
366,	1787492.6012,	412881.6840,	16mpl,	60h
367,	1787817.4809,	412655.3287,	16mpl,	65h
368,	1787847.5401,	412706.6949,	18beech,	45h
369,	1787827.3184,	412655.3644,	18beech,	45h
370,	1787756.2740,	412743.1102,	18birch,	50h
371,	1787796.8581,	412706.5111,	18mpl,	65h
372,	1787706.7143,	412441.9269,	18mpl,	65h
373,	1787737.0393,	412420.1083,	18mpl,	70h
374,	1787664.6382,	412889.7060,	24beech,	45h
375,	1787553.2038,	412859.9742,	24beech,	35h
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418,	1787490.2676,	412889.9885,	8pine,	30h
419,	1787502.4448,	412889.1192,	8pine,	40h


NOTES:
 • DOMINANT TREE HEIGHT FOR THIS SITE IS 60' AGL.
 • CO-DOMINANT TREE HEIGHT FOR THIS SITE IS 50' AGL.

1 TREE SURVEY
 -- NOT TO SCALE




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Drawn: SKB Date: 03/19/21			
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Project Title			
INLET			
88 LIMEKILN ROAD INLET, NY 13360			
Prepared For			
			
Drawing Title			
TREE SURVEY			
Drawing Scale:		CD	
Date:		12/28/21	
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TS3			

INCOMING POWER AND TELEPHONE SERVICE NOTES:

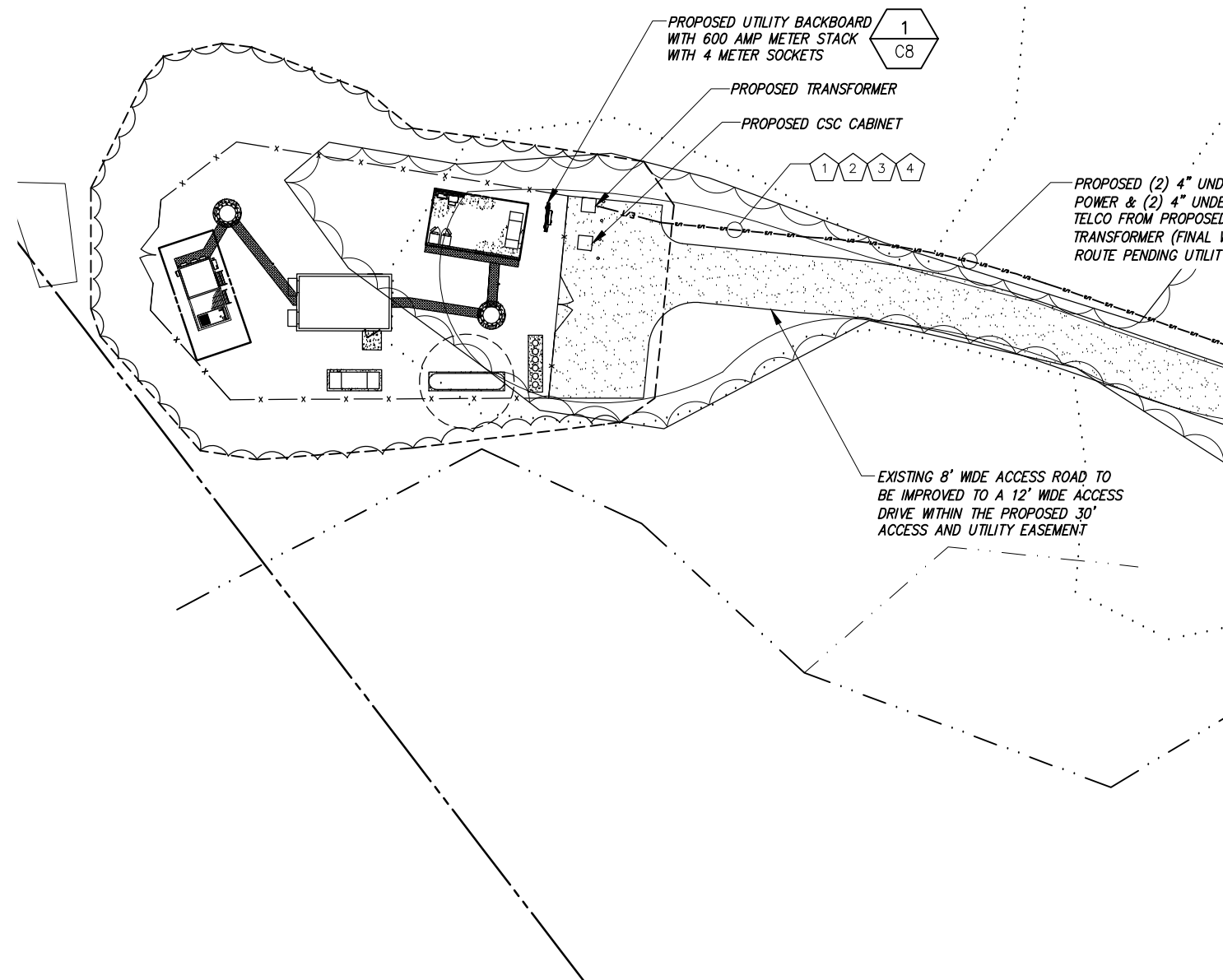
1. CONNECTION TO EXISTING UTILITIES AND INCOMING POWER AND TELEPHONE SERVICES IS FOR CONCEPT ONLY. THE CONTRACTOR SHALL COORDINATE THE ACTUAL LOCATION WITH THE ELECTRIC AND TELEPHONE UTILITIES AND CARRIER.
2. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ARRANGEMENTS WITH THE ELECTRIC AND TELEPHONE UTILITIES TO ENSURE TO A TIMELY INSTALLATION OF THE INCOMING POWER AND TELEPHONE SERVICES. THE CARRIER WILL OBTAIN AN ELECTRIC SERVICE ORDER (ESO) FOR THIS SITE PRIOR TO THE CONTRACTOR INITIATING ANY WORK ON-SITE.
- THE INCOMING ELECTRIC SERVICE SHALL BE INSPECTED BY THE AUTHORITY HAVING JURISDICTION AND A CERTIFICATE OF SUCH INSPECTION SHALL BE FURNISHED TO THE CARRIER WITH A COPY FORWARDED TO THAT UTILITY.
- ANY UTILITY CHARGES ASSOCIATED WITH THIS SITE SHALL BE PAID BY THE CARRIER AND NO CHARGES, THEREFORE SHALL ACCRUE TO THE CONTRACTOR.
- COORDINATE METER SOCKET REQUIREMENTS AND UTILITY METER ENCLOSURE WITH CARRIER. AND ELECTRIC UTILITY.
- INCOMING ELECTRIC SERVICES SHALL BE IN CONFORMANCE WITH THE UTILITIES STANDARDS (LATEST EDITION).
- INSTALL PULL ROPES IN ALL CONDUITS UNLESS NOTED OTHERWISE.
- CONDUIT RUNS SHALL HAVE ONE 18"x18"x8" PULLBOX AFTER 270 DEGREES OF BEND.
- STRAIGHT RUNS SHALL HAVE A PULLBOX AFTER EACH 75'-0" OF STRAIGHT RUN.

CODED DRAWING NOTES:

1. COORDINATE EXACT LOCATION WITH UTILITY COMPANY. STUB UP POWER AND TELEPHONE CONDUITS AS DIRECTED BY UTILITY COMPANY. REFER TO EQUIPMENT SPECIFICATIONS FOR ELECTRICAL REQUIREMENTS.
2. (2) 4" SCH 40 PVC POWER CONDUIT WITH PULLWIRE FROM PROPOSED EQUIPMENT AREA TO EXISTING POWER SOURCE. EXACT ROUTING TO BE COORDINATED WITH UTILITY COMPANY AND CONTRACTOR TO FIELD COORDINATE CONDUIT STUB-UP LOCATION. STUB-UP 6" ABOVE GRADE AT EXISTING POWER SOURCE & EQUIPMENT AREA.
3. (2) 4" SCH 40 PVC TELCO CONDUITS WITH PULL STRINGS (25 PAIRS), CAT 5 RATED, ROUTED FROM PROPOSED EQUIPMENT AREA TO EXISTING TELCO SOURCE. EXACT ROUTING AND STUB-UP LOCATION TO BE FIELD COORDINATED WITH UTILITY COMPANY. STUB-UP 6" ABOVE GRADE AT TELCO DEMARC & EQUIPMENT AREA.
4. ALL TELCO CONDUITS SHALL USE LONG SWEEPS AT BENDS.

GENERAL ELECTRICAL NOTES:

1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE AND ALL LOCAL AND STATE CODES, LAWS, AND ORDINANCES.
2. ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40 UNLESS OTHERWISE INDICATED. CONDUITS EXPOSED ABOVE GROUND SHALL BE RIGID GALVANIZED STEEL. ALL UNDERGROUND CONDUIT SHALL TRANSITION FROM PVC TO RIGID ABOVE GRADE. PROVIDE 36" SEPARATION BETWEEN UNDERGROUND POWER AND TELEPHONE CONDUITS. SUPPLY UTILITY MARKING TAPE BURIED 12" BELOW GRADE ALONG ENTIRE LENGTH OF UNDERGROUND CONDUITS.
3. ALL CONDUCTORS SHALL BE COPPER WITH THHN/THWN INSULATION. CONTROL CONDUCTORS SHALL BE STRANDED, POWER & LIGHTING CONDUCTORS SHALL BE SOLID FOR #10 & #12 CONDUCTORS AND STRANDED FOR ALL OTHER SIZES.
4. ELECTRICAL DRAWINGS ARE IN PART DIAGRAMMATIC. COORDINATE ELECTRICAL WORK WITH SITE CONDITIONS.
5. LOCATE ALL UNDERGROUND UTILITIES BEFORE TRENCHING. IF CONFLICTS ARISE, CONTACT UTILITY COMPANY AND ENGINEER IMMEDIATELY.
6. ALL EXPOSED CONDUITS SHALL HAVE WEATHERPROOF CAPS NOT DUCT TAPE.
7. PROVIDE 200 LB TEST PULL WIRES IN EACH TELEPHONE AND POWER CONDUIT.
8. PULL BOXES SHALL BE INSTALLED AS NEEDED PER METER UTILITY REQUIREMENTS.



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ABBREVIATIONS

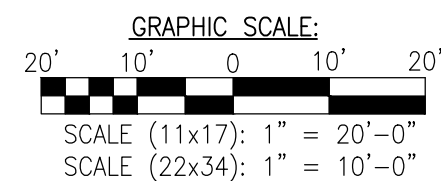
AWG	AMERICAN WIRE GAUGE
BFG	BELOW FINISH GRADE
BTS	BARE TINNED STRANDED
C	CONDUIT
CAB	CABINET
DLO	DIESEL LOCOMOTIVE CABLE
DWG	DRAWING
EGR	EXTERIOR GROUND RING
EIGB	EXTERIOR ISOLATED GROUND BAR
G	GROUND
HALO	INTERIOR GROUND RING
MIGB	MAIN ISOLATED GROUND BAR
MGN	MULTI-GROUNDED NEUTRAL
MSC	MOBILE SWITCHING CENTER
MTSO	MOBILE TELEPHONE SWITCHING OFFICE
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL
SS	STAINLESS STEEL
SST	SELF SUPPORTING TOWER
TGR	TOWER GROUND RING
TYP.	TYPICAL

THE TOPOGRAPHY COLLECTED FROM A SURVEY BY GERALD R. GRAY, PLS SUGGESTS THAT THIS SITE DOES NOT REQUIRE ANY MAJOR EARTHWORK.

BASEMAPPING INFORMATION WAS OBTAINED FROM A SITEMALK AND SURVEY COMPLETED BY GERALD R. GRAY, PLS ON 3/04/20 & 8/24/21



1 ENLARGED SITE UTILITY LAYOUT
SCALE: 1" = 20'



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1	REVISED PER COMMENTS	PEG	04/16/21

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Drawing Title: SITE UTILITY LAYOUT

Drawing Scale: CD
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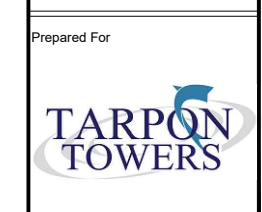


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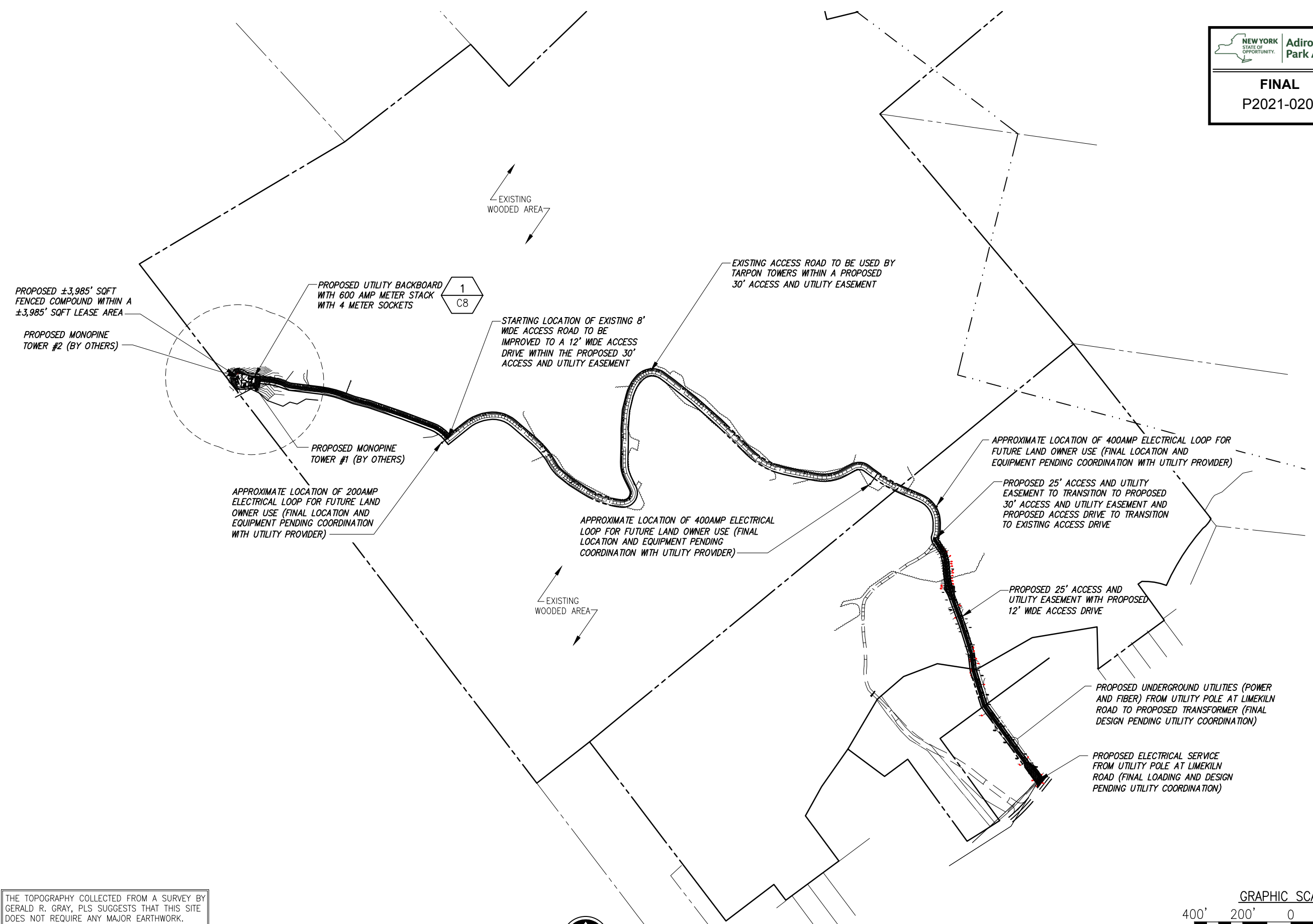


Drawing Title
OVERALL SITE UTILITY LAYOUT

Drawing Scale:
CD
 Date: 12/28/21

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THE TOPOGRAPHY COLLECTED FROM A SURVEY BY GERALD R. GRAY, PLS SUGGESTS THAT THIS SITE DOES NOT REQUIRE ANY MAJOR EARTHWORK.

BASEMAPPING INFORMATION WAS OBTAINED FROM A SITEMAP AND SURVEY COMPLETED BY GERALD R. GRAY, PLS ON 3/04/20 & 8/24/21



1 OVERALL SITE UTILITY LAYOUT
 SCALE: 1" = 20'

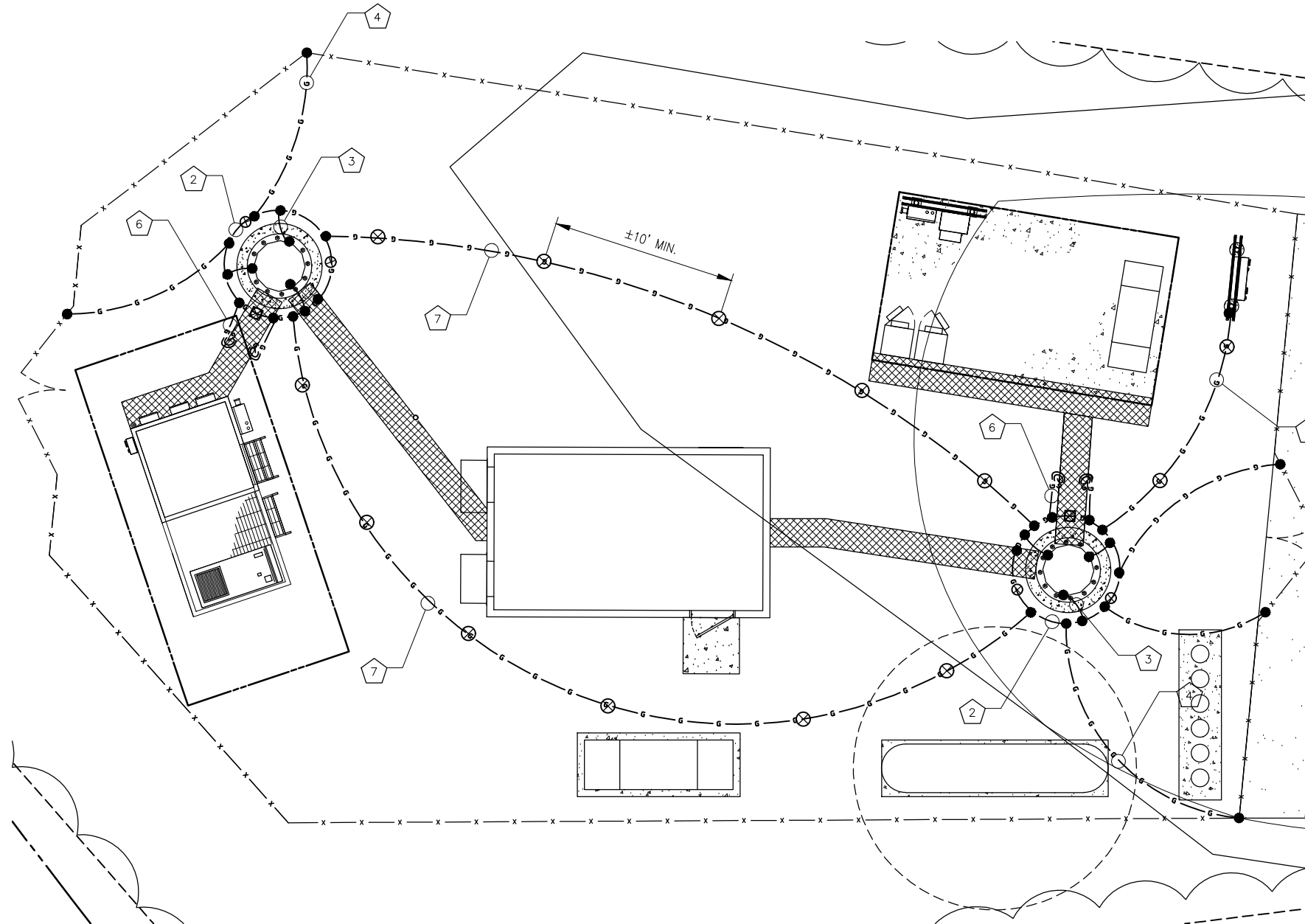
GRAPHIC SCALE:
 400' 200' 0 200' 400'
 SCALE (11x17): 1" = 400'-0"
 SCALE (22x34): 1" = 200'-0"

CODED DRAWING NOTES

- 1 BOND NEW UTILITY BACKBOARD TO TOWER GROUND RING WITH #2 AWG SOLID TINNED BCW IN TWO PLACES.
- 2 PROPOSED TOWER GROUND RING WITH #2 AWG SOLID TINNED BCW.
- 3 BOND PROPOSED TOWER GROUND RING TO PROPOSED TOWER WITH #2 AWG SOLID TINNED BCW (3 PLACES).
- 4 BOND PROPOSED FENCE POSTS TO PROPOSED TOWER GROUND RING WITH #2 AWG SOLID TINNED BCW.
- 5 BOND PROPOSED ACCESS GATE TO PROPOSED TOWER GROUND RING WITH #2 AWG SOLID TINNED BCW.
- 6 PROPOSED TOWER GROUND RING TO PROPOSED GROUND COIL.
- 7 BOND PROPOSED TOWER #1 GROUND RING TO PROPOSED TOWER #2 GROUND RING WITH #2 AWG SOLID TINNED BCW.

GENERAL GROUNDING NOTES:

1. TO ENSURE PROPER BONDING, ALL CONNECTIONS SHALL BE AS FOLLOWS:
 - #2 AWG BARE TINNED SOLID COPPER CONDUCTOR: CADWELD TO RODS OR GROUND RING
 - LUGS AND BUS BAR (UNLESS NOTED OTHERWISE): SANDED CLEAN, COATED WITH OXIDE INHIBITOR AND BOLTED FOR MAXIMUM SURFACE CONTACT. ALL LUGS SHALL BE COPPER (NO ALUMINUM SHALL BE PERMITTED). PROVIDE LOCK WASHERS FOR ALL MECHANICAL CONNECTIONS FOR GROUND CONDUCTORS. USE STAINLESS STEEL HARDWARE THROUGHOUT.
2. ALL GROUNDING CABLE IN CONCRETE OR THROUGH WALLS SHALL BE IN 3/4" PVC CONDUIT. SEAL AROUND CONDUIT THROUGH WALLS. NO METALLIC CONDUIT SHALL BE USED FOR GROUNDING CONDUCTORS.
3. OWNER'S REPRESENTATIVE WILL INSPECT CADWELDS AND CONDUCT MEGGER TEST PRIOR TO BURIAL. MAXIMUM 5 OHMS RESISTANCE IS REQUIRED.
4. DO NOT INSTALL GROUND RING OUTSIDE OF LEASED AREA.
5. MAKE ALL GROUND CONNECTIONS AS SHORT AND DIRECT AS POSSIBLE. AVOID SHARP BENDS. ALL BENDS SHALL BE A MINIMUM 8" RADIUS AND NO GREATER THAN 90 DEGREES.
6. ALL CADWELDS TO BURIED GROUND RING SHALL BE THE PARALLEL TYPE, EXCEPT FOR THE GROUND RODS WHICH SHALL BE THE TEE TYPE.
7. BOND SERVICE CONDUITS TO GROUND RING AS THEY CROSS. DO NOT EXOTHERMICALLY WELD TO CONDUITS.
8. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHEN THE GROUNDING SYSTEM IS COMPLETE. THE CONSTRUCTION MANAGER SHALL INSPECT THE GROUNDING SYSTEM PRIOR TO BACKFILLING.
9. THE MINIMUM SPACING BETWEEN GROUND RODS SHALL BE 10'-0" (MAX. 15'-0").
10. BOND CIGBE TO EXTERNAL GROUND RING WITH 2 RUNS OF #2 BARE, TINNED, SOLID COPPER CONDUCTOR IN PVC. CONNECT BAR END WITH 2 HOLE LUG, AND "CADWELD" THE OTHER END TO THE EXTERNAL GROUND ROD.
11. THE PREFERRED LOCATION FOR COAX GROUNDING IS AT THE BASE OF THE TOWER PRIOR TO THE COAX BEND. BONDING IS SHOWN ON THE ICE BRIDGE DUE TO DIFFICULTY WITH WELDING OR ATTACHING TO TOWER LEGS. CONTRACTOR SHALL ADVISE CONSTRUCTION MANAGER PRIOR TO PLACING CIGBE ON ICE BRIDGE IF MOUNTING TO TOWER LEG IS POSSIBLE.
12. BONDING OF THE GROUNDED CONDUCTOR (NEUTRAL) AND THE GROUNDING CONDUCTOR SHALL BE AT THE SERVICE DISCONNECTING MEANS. BONDING JUMPER SHALL BE INSTALLED PER N.E.C. ARTICLE 250-30.

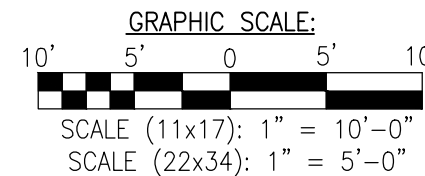


GROUNDING SYMBOLS

- ⊗ GROUND ROD
- ACCESS WELL
- ⊗ GROUND ROD WITH ACCESS
- COMPRESSION TYPE CONNECTION
- CADWELD TYPE CONNECTION
- G #2 AWG SOLID TINNED BCW BURIED GROUND CABLE 30" BELOW GRADE
- # INDICATES CODED NOTE



1 COMPOUND GROUNDING LAYOUT
SCALE: AS NOTED



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Drawing Title
COMPOUND GROUNDING LAYOUT

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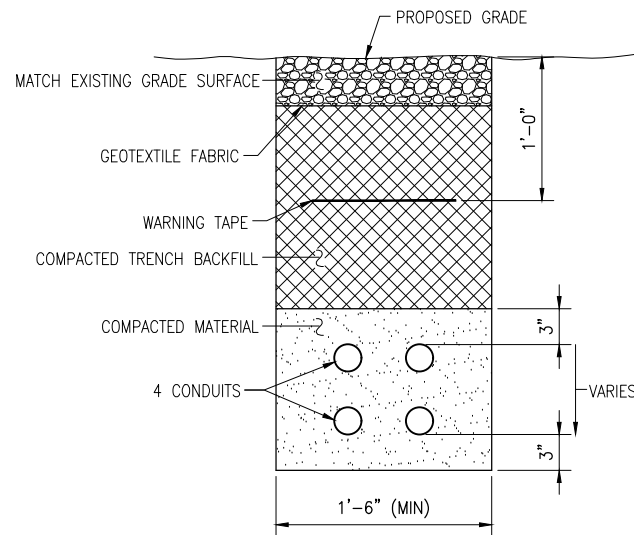
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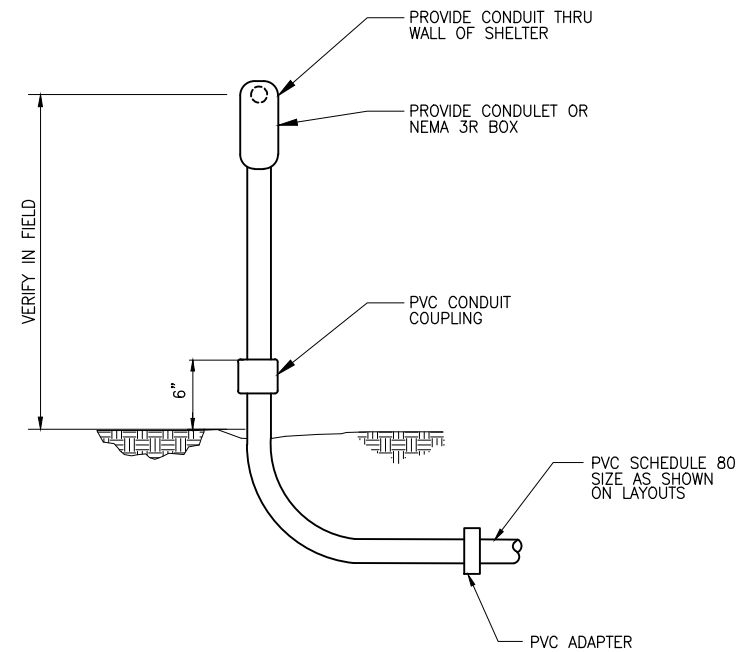
GENERAL GROUNDING NOTES:

1. ALL GROUND CABLE IN CONCRETE OR THROUGH WALL SHALL BE IN 3/4" PVC CONDUIT. NO METALLIC CONDUIT SHALL BE USED FOR GROUNDING CONDUCTOR SLEEVES.
2. GROUND ALL EXPOSED METALLIC OBJECTS USING A TWO-HOLE NEMA DRILLED CONNECTOR SUCH AS THOMAS & BETTS #32207 OR APPROVED EQUAL.
3. THE CONTRACTOR SHALL NOTIFY THE MOTOROLA REPRESENTATIVE WHEN THE GROUND RING IS INSTALLED SO THAT THE REPRESENTATIVE CAN INSPECT GROUND RING BEFORE IT IS CONCEALED.
4. ALL EXTERIOR GROUND CONDUCTORS INCLUDING GROUND RING SHALL BE #2 AWG SOLID BARE TINNED COPPER. MAKE ALL GROUND CONNECTIONS AS SHORT AND DIRECT AS POSSIBLE. AVOID SHARP BENDS. THE RADIUS OF ANY BEND SHALL NOT BE LESS THAN 8" AND THE INCLUSIVE ANGLE OF ANY BEND SHALL NOT EXCEED 90°. GROUNDING CONDUCTORS SHALL BE ROUTED DOWNWARD TOWARD THE BURIED GROUND RING.
5. ALL BELOW GROUND EXTERNAL CONNECTIONS SHALL BE EXOTHERMICALLY WELDED. ALL EXOTHERMIC WELDS TO BURIED GROUND RING SHALL BE THE PARALLEL-TYPE, EXCEPT FOR THE GROUND RODS WHICH ARE TEE-TYPE EXOTHERMIC WELDS. REPAIR ALL GALVANIZED SURFACES THAT HAVE BEEN DAMAGED BY EXOTHERMIC WELDING. USE SPRAY GALVANIZED SUCH AS HOLLUB LECTROSOL #15-501.
6. WHERE MECHANICAL CONNECTORS (TWO-HOLE OR CLAMP) ARE USED, APPLY A LIBERAL PROTECTIVE COATING OF A CONDUCTIVE ANTI-OXIDE COMPOUND ON ALL CONNECTORS. PROVIDE LOCK WASHERS ON ALL MECHANICAL CONNECTORS. USE STAINLESS STEEL HARDWARE THROUGHOUT. THOROUGHLY REMOVE ALL PAINT AND CLEAN ALL DIRT FROM SURFACES REQUIRING GROUND CONNECTORS, REPAINT TO MATCH EXISTING AFTER CONNECTION IS MADE TO MAINTAIN CORROSION RESISTANCE. ALL GROUND CONNECTIONS SHALL BE APPROVED FOR THE TYPES OF METALS BEING ATTACHED TO.
7. THE CONTRACTOR SHALL COORDINATE AS REQUIRED TO HAVE UTILITY COMPANY REPRESENTATIVE AT THE SITE TO DISCONNECT THE UTILITY NEUTRAL FROM GROUNDING SYSTEM DURING FINAL INSPECTION SO THAT REQUIRED TESTING ON THE GROUND SYSTEM CAN BE PERFORMED. THE CONTRACTOR SHALL PROVIDE NOTICE TO THE MOTOROLA REPRESENTATIVE (TWO) DAYS PRIOR TO FINAL TESTING. IF THE CONTRACTOR FAILS TO MAKE UTILITY COMPANY REPRESENTATIVE AVAILABLE DURING THE FINAL TESTING, THE CONTRACTOR SHALL PAY THE COST FOR AN INDEPENDENT GROUNDING CONSULTANT TO PERFORM THE GROUND RESISTANCE TEST. GROUNDING CONSULTANT SHALL BE SELECTED BY THE MOTOROLA REPRESENTATIVE. IF THE UTILITY COMPANY REPRESENTATIVE FAILS TO APPEAR DUE TO NO FAULT THE CONTRACTOR, NO PENALTY APPLY.
8. A RESISTANCE TO GROUND OF (10) OHMS OR LESS IS REQUIRED FOR ALL MOTOROLA SITES. THE CONTRACTOR SHOULD RETAIN HIS OWN TESTER AT HIS OWN EXPENSE. IN ADDITION, A THIRD PARTY SHOULD BE HIRED TO OBTAIN MEGGER AND SWEEP RESULTS ON ALL SITES INCLUSIVE OF WHAT RESULTS THE CONTRACTOR SUBMITS, TO INSURE PROPER QUALITY CONTROL ON ALL SITES. SCHEDULE FINAL MEGGER TEST SUCH THAT THE MOTOROLA REPRESENTATIVE CAN BE PRESENT FOR FIELD VERIFICATION. REFER TO THE MOTOROLA MASTER SPECIFICATION FOR MEGGER TESTING PROCEDURES. IF THE FINAL GROUNDING RESISTANCE MEASUREMENT EXCEEDS 10 (TEN) OHMS, THE CONTRACTOR SHALL NOTIFY THE MOTOROLA REPRESENTATIVE.
9. ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL.
10. THE GROUND CONDUCTORS SHALL BE RUN STRAIGHT FOR MINIMUM INDUCTANCE AND VOLTAGE DROP. SINCE CABLE BENDS INCREASE INDUCTANCE, THE MINIMUM REQUIRED BENDING RADIUS IS 8 INCHES WHEN BENDS ARE UNAVOIDABLE. ALL METAL WORK WITHIN 10 FEET OF THE GROUND RING SHALL BE DIRECTLY BONDED TO THIS GROUND SYSTEM, WITHOUT USING SERIES OR DAISY CHAIN CONNECTION ARRANGEMENTS.
11. PAINT, ENAMEL, LACQUER AND OTHER ELECTRICALLY NON-CONDUCTIVE COATINGS SHALL BE REMOVED FROM THREADS AND SURFACE AREAS WHERE CONNECTIONS ARE MADE TO ENSURE GOOD ELECTRICAL CONTINUITY.
12. CONNECTIONS BETWEEN DISSIMILAR METALS SHALL NOT BE MADE UNLESS THE CONDUCTORS ARE SEPARATED BY A SUITABLE MATERIAL THAT IS A PART OF THE ATTACHMENT DEVICE LISTED AND APPROVED FOR USE WITH THE SPECIFIC DISSIMILAR METALS MAY BE USED FOR THE PURPOSE.
13. ALL BELOW GRADE GROUND SYSTEM CONDUCTORS SHALL BE A MINIMUM DEPTH OF 30" (OR 6" BELOW THE FROST LINE, WHICHEVER IS GREATER).



- NOTE:**
1. NUMBER AND SIZE OF CONDUITS MAY VARY. REFER TO CONSTRUCTION DRAWINGS FOR CONDUIT SIZE AND LOCATION. CONFIRM DIMENSIONS SHOWN WITH UTILITY COMPANY.
 2. CONTRACTOR TO VERIFY IN FIELD THE LOCATION, SIZE, TYPE, AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING THE SERVICE TRENCH. PROVIDE A MINIMUM OF 18" CLEARANCE BETWEEN PROPOSED UTILITIES AND EXISTING UTILITIES IN THE CASE OF UTILITY LINE CROSSINGS.

1 TYPICAL CONDUIT TRENCH DETAIL
--- NOT TO SCALE



- NOTE:**
- ALL CONDUIT ABOVE GRADE MUST BE RIGID STEEL.
 - ALL PVC SCH. 80 CONDUIT MUST HAVE MIN. BURIAL DEPTH.

2 UNDERGROUND CONDUIT STUB-UP (TELCO/POWER)
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Project Number: 1154-Z0001

Project Title: **INLET**
88 LIMEKILN ROAD
INLET, NY 13360

Prepared For: **TARPON TOWERS**

Drawing Title: **GROUNDING NOTES & ELECTRICAL DETAILS**

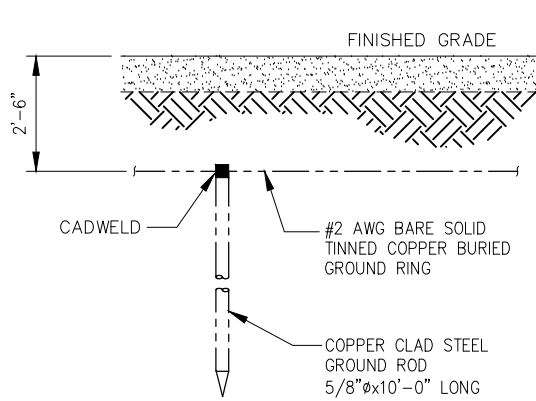
Drawing Scale: **CD**

Date: 12/28/21

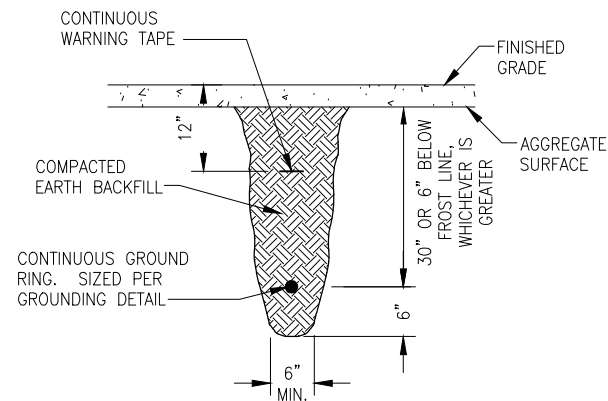
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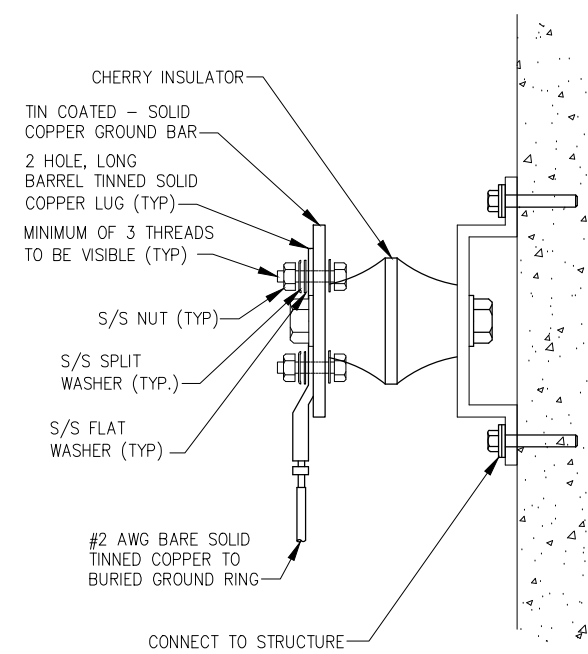
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INFINIGY ENGINEERING, PLLC
1133 WaterVliet Shaker Rd
Albany, NY 12205
Office # (518) 690-0790
Fax # (518) 690-0793



1 TYPICAL GROUND ROD DETAIL
SCALE: N.T.S.



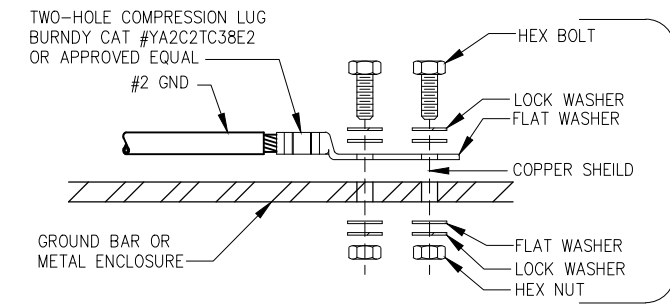
3 TRENCH DETAIL FOR GROUND RING
SCALE: N.T.S.



NOTE:

1. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING SPLIT WASHERS.
2. COAT WIRE END WITH ANTI-OXIDATION COMPOUND PRIOR TO INSERTION INTO LUG BARREL AND CRIMPING.
3. APPLY ANTI-OXIDATION COMPOUND BETWEEN ALL LUGS AND BUSS BARS PRIOR TO MATING AND BOLTING. DO NOT COAT ENTIRE BAR

5 INSULATED GROUND BAR
SCALE: N.T.S.

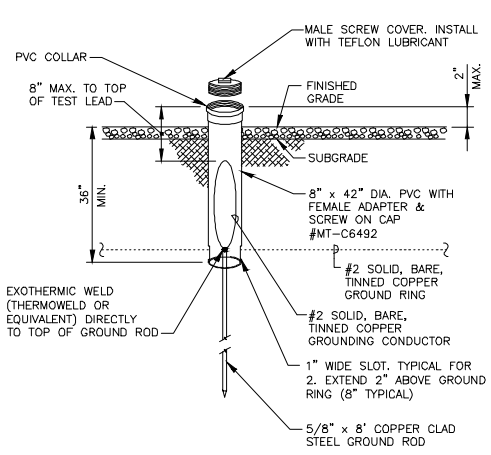


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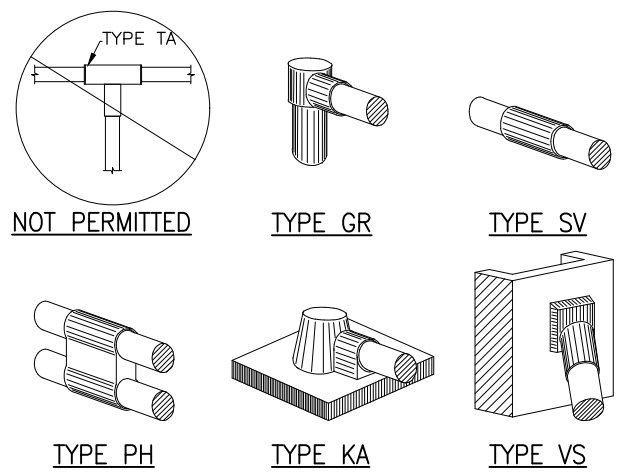
INSTALLATION NOTES:

1. BOLTS, WASHERS, AND NUTS SHALL BE STAINLESS STEEL.
2. SELECT BOLT LENGTH TO PROVIDE A MINIMUM OF TWO EXPOSED THREADS.
3. BURNISH MOUNTING SURFACE TO REMOVE PAINT IN THE AREA OF LUG CONTACT.
4. APPLY COPPER-SHIELD COMPOUND TO MATING SURFACE OF LUG AND WIPE CLEAN EXCESS COMPOUND.
5. ALL METAL ELECTRICAL EQUIPMENT SHALL BE EXTERNALLY GROUNDED TO THE TOWER EGR. (PAINTED METAL SURFACES MUST HAVE SMALL SECTION OF PAINT REMOVED BEFORE INSTALLATION, AND SHALL BE SPRAYED LIGHTLY WITH CLEAR COAT LACQUER FINISH).

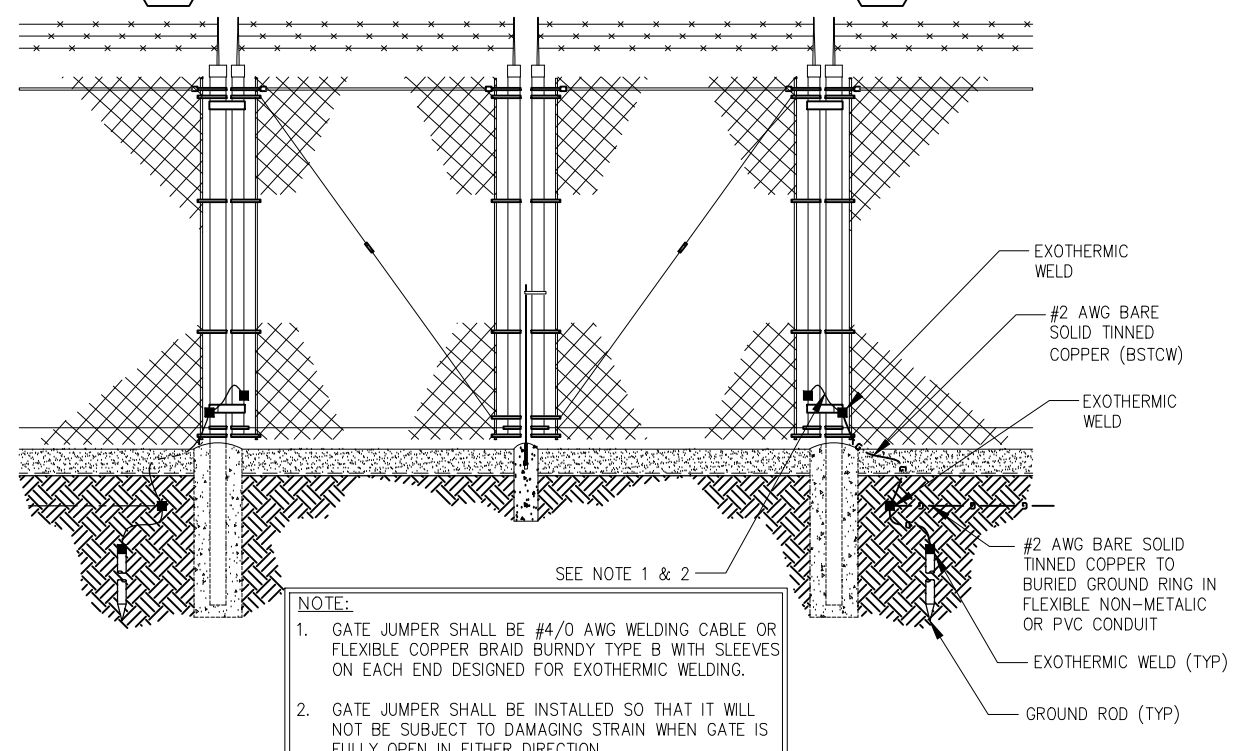
6 MECHANICAL GROUNTING TO FLAT SURFACES (TYPICAL)
SCALE: N.T.S.



2 INSPECTION WELL DETAIL
SCALE: N.T.S.



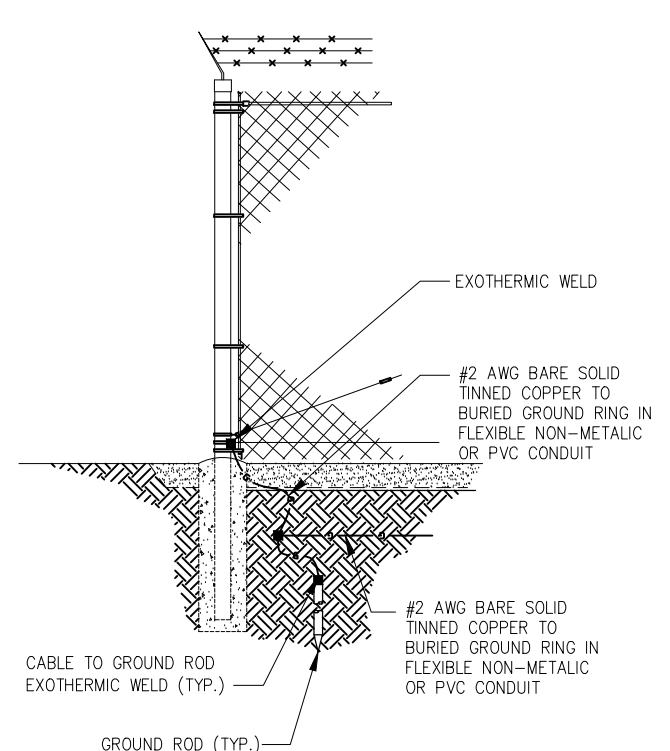
4 CADWELDS (TYPICAL)
SCALE: N.T.S.



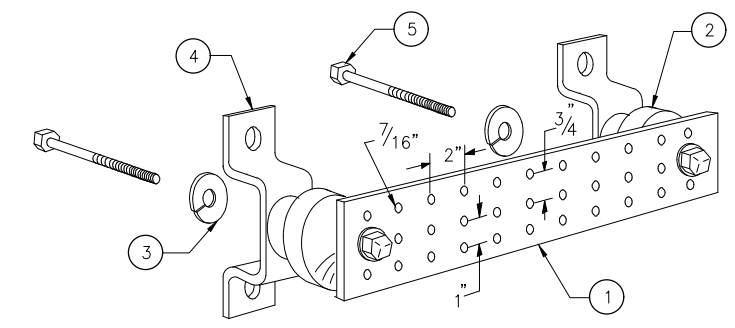
NOTE:

1. GATE JUMPER SHALL BE #4/0 AWG WELDING CABLE OR FLEXIBLE COPPER BRAID BURNDY TYPE B WITH SLEEVES ON EACH END DESIGNED FOR EXOTHERMIC WELDING.
2. GATE JUMPER SHALL BE INSTALLED SO THAT IT WILL NOT BE SUBJECT TO DAMAGING STRAIN WHEN GATE IS FULLY OPEN IN EITHER DIRECTION.

7 TYPICAL ACCESS GATE GROUNTING DETAIL
SCALE: N.T.S.



8 TYPICAL FENCE POST GROUNTING DETAIL
SCALE: N.T.S.



LEGEND

- 1 - SOLID TINNED COPPER GROUND BAR, 1/4" x 4" x 20" MIN., NEWTON INSTRUMENT CO. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION
- 2 - INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4
- 3 - 5/8" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8
- 4 - WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT. NO. A-6056
- 5 - 5/8-11 X 1" H.H.C.S. BOLTS, NEWTON INSTRUMENT CO. CAT. NO. 3012-1
- 6 - GROUND BAR SHALL BE SIZED TO ACCOMODATE ALL GROUNTING CONNECTIONS REQUIRED PLUS PROVIDE 50% SPARE CAPACITY
- 7 - GROUND BARS SHALL NEITHER BE FIELD FABRICATED NOR NEW HOLES DRILLED
- 8 - GROUND LUGS SHALL MATCH THE HOLE SPACING ON THE BAR
- 9 - HARDWARE DIAMETER SHALL BE MINIMUM 3/8"

9 GROUND BAR
SCALE: N.T.S.

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Checked: AJP Date: 03/19/21

Project Number
1154-Z0001

Project Title
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88 LIMEKILN ROAD
INLET, NY 13360

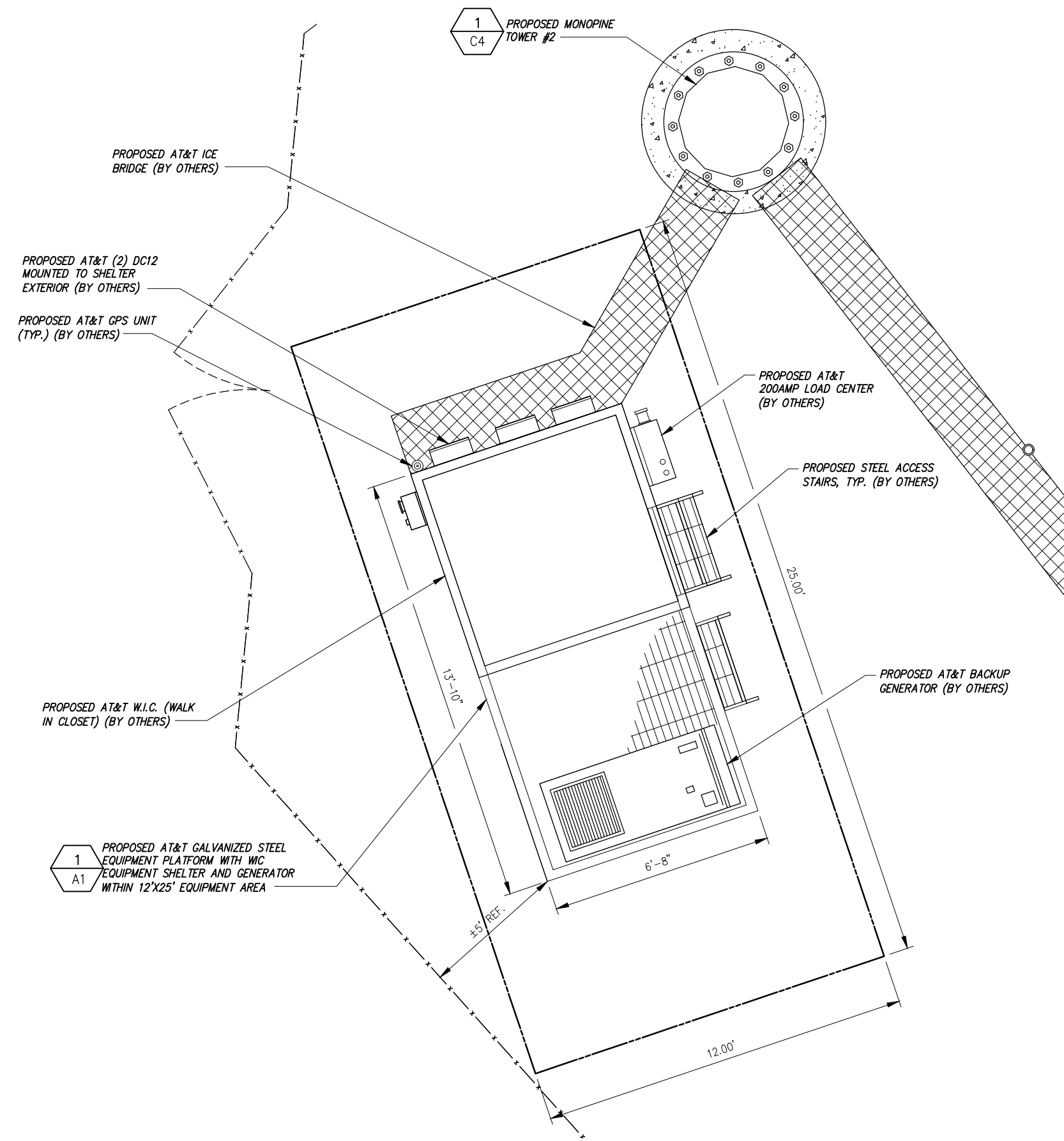
Prepared For
TARPON TOWERS

Drawing Title
GROUNTING DETAILS

Drawing Scale:
CD
Date:
12/28/21

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E4



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INLET
 88 LIMEKILN ROAD
 INLET, NY 13360



Drawing Title
ENLARGED AT&T EQUIPMENT PLAN

Drawing Scale: **CD**
 Date: 12/28/21

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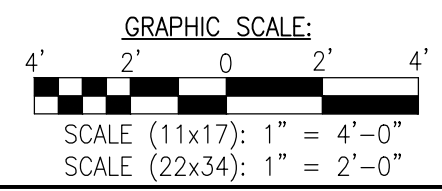
Drawing Number
A1

THE TOPOGRAPHY COLLECTED FROM A SURVEY BY GERALD R. GRAY, PLS SUGGESTS THAT THIS SITE DOES NOT REQUIRE ANY MAJOR EARTHWORK.

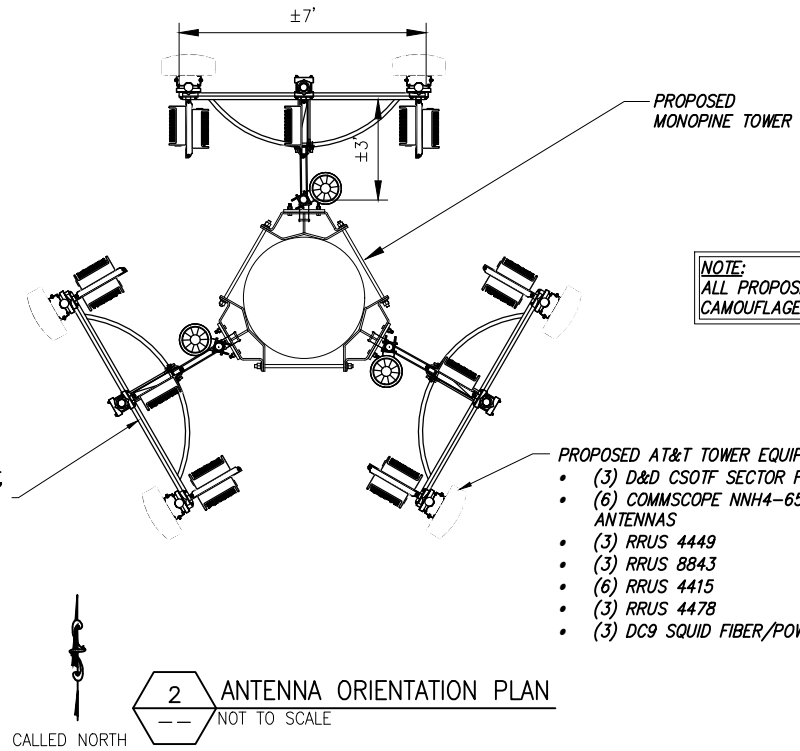
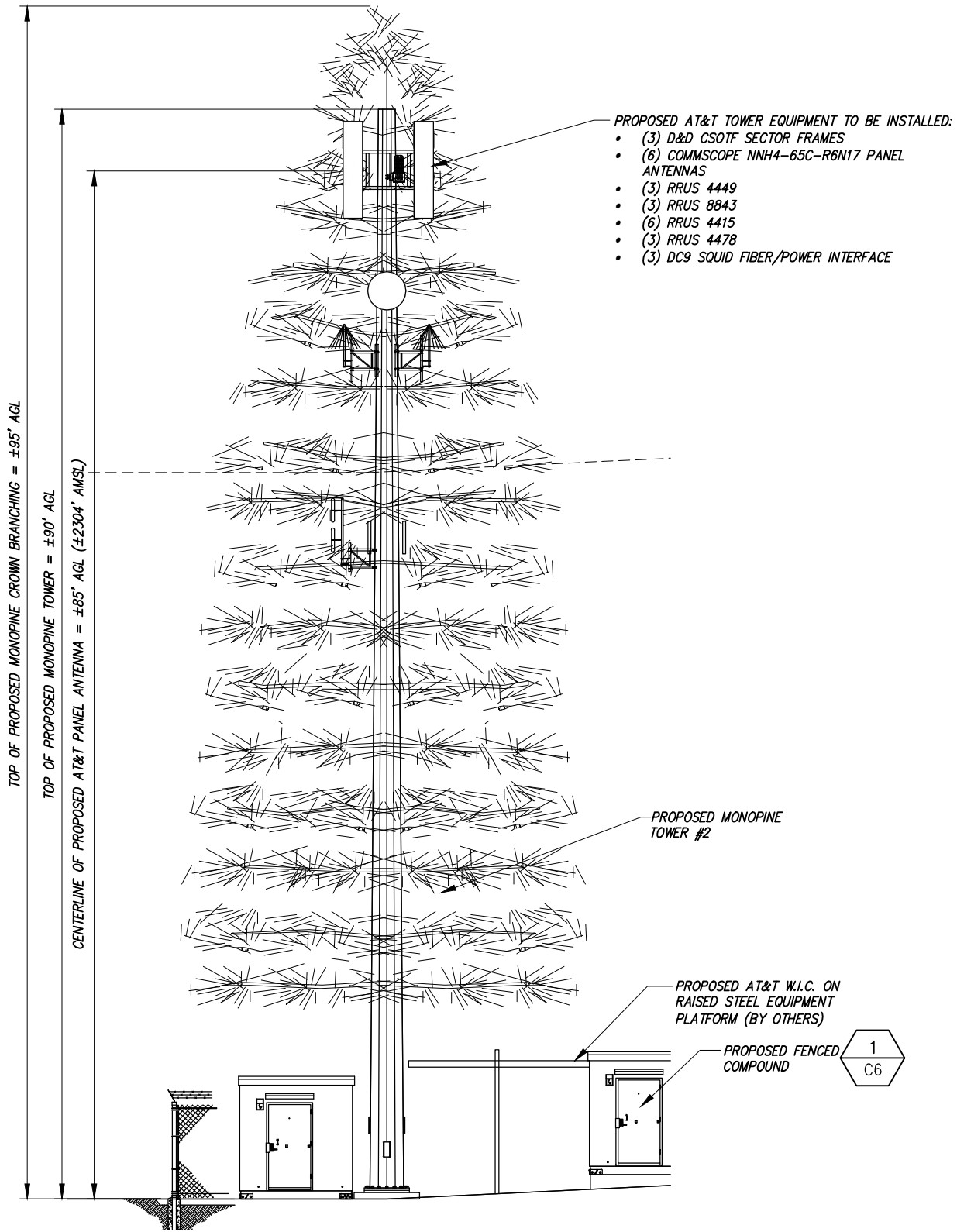
BASEMAPPING INFORMATION WAS OBTAINED FROM A SITELINE AND SURVEY COMPLETED BY GERALD R. GRAY, PLS ON 3/04/20.



1 DETAILED SITE LAYOUT
 SCALE: AS NOTED



INFINIGY ENGINEERING ASSUMES NO LIABILITY FOR THE STRUCTURAL INTEGRITY OF THE PROPOSED TOWER INSTALLATION. A STRUCTURAL ANALYSIS MUST BE COMPLETED PRIOR TO START OF CONSTRUCTION.



PROPOSED ANTENNA & RRU MODEL NUMBERS

SECTOR	EXISTING/PROPOSED	ANTENNA	ANTENNA HEIGHT	AZIMUTH	TMA	RRU	COAX JUMPERS	FIBER JUMPERS
ALPHA	PROPOSED	COMMSCOPE NNH4-65C-R6N17	±85'	0°	--	(1) (P) RRUS 4449 (1) (P) RRUS 8843	-4*	-2**
	PROPOSED	COMMSCOPE NNH4-65C-R6N17	±85'	0°	--	(2) (P) RRUS 4415 (1) (P) RRUS 4478	-4*	-2**
BETA	PROPOSED	COMMSCOPE NNH4-65C-R6N17	±85'	120°	--	(1) (P) RRUS 4449 (1) (P) RRUS 8843	-4*	-2**
	PROPOSED	COMMSCOPE NNH4-65C-R6N17	±85'	120°	--	(2) (P) RRUS 4415 (1) (P) RRUS 4478	-4*	-2**
GAMMA	PROPOSED	COMMSCOPE NNH4-65C-R6N17	±85'	240°	--	(1) (P) RRUS 4449 (1) (P) RRUS 8843	-4*	-2**
	PROPOSED	COMMSCOPE NNH4-65C-R6N17	±85'	240°	--	(2) (P) RRUS 4415 (1) (P) RRUS 4478	-4*	-2**

JUMPER NOTES:
 **FIBER JUMPERS (2) PER SECTOR, (1) FROM THE SQUID TO THE RRU (TOTAL OF 6). SINGLE PAIR POWER CABLE, #12 SIZE FROM SQUID TO EACH RRU.
 *COAX JUMPERS (4) PER SECTOR, (2) FROM THE RRU (TOTAL OF 12)

RF DESIGN NOTE:
 THIS ANTENNA AND CABLE SCHEDULE HAS BEEN CREATED BASED ON PROVIDED INFORMATION & TYPICAL AT&T INSTALLATION AND IS SUBJECT TO CHANGES BASED ON ACTUAL AT&T RFDS



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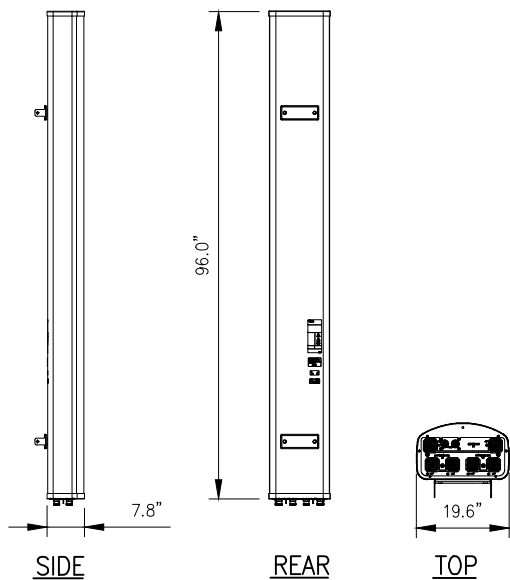
Drawing Title: **AT&T ELEVATION & ORIENTATION PLAN**

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Drawing Number: **A2**

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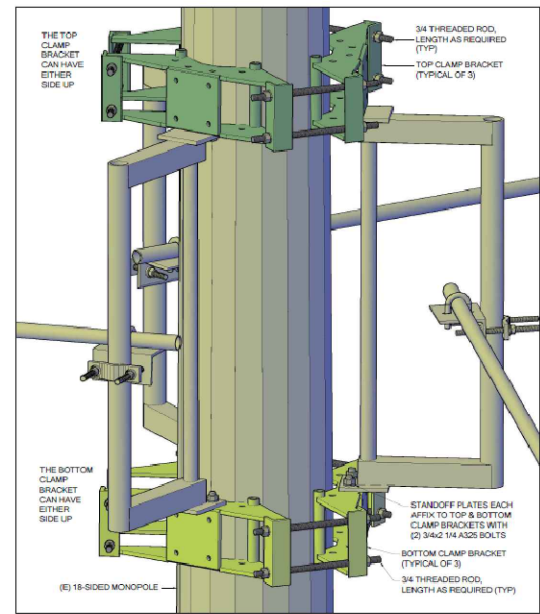
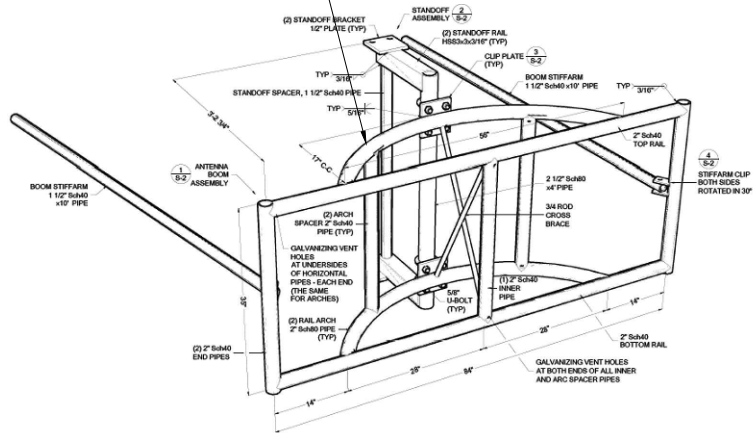
COMMSCOPE MODEL NO.: NNH4-65C-R6N17

RADOME MATERIAL: FIBERGLASS, UV RESISTANT
 RADOME COLOR: LIGHT GRAY
 DIMENSIONS, HxWxD: (96.0"x19.6"x7.8")
 WEIGHT, W/ PRE-MOUNTED BRACKETS: 102.1 LBS
 CONNECTOR: 4.3-10 DIN FEMALE

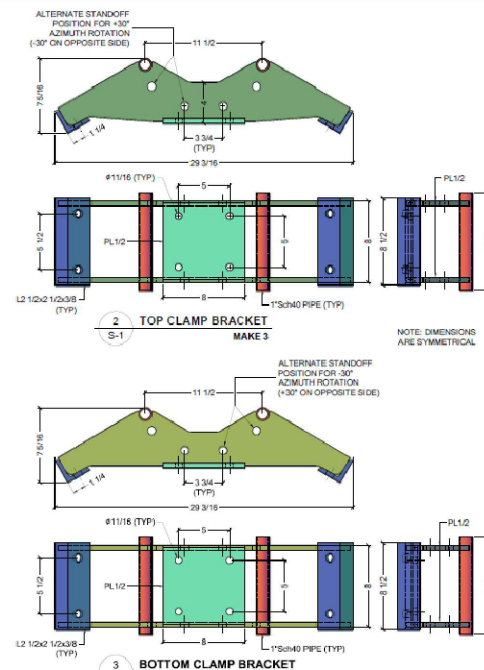
1 ANTENNA DETAIL
 NOT TO SCALE

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PROPOSED AT&T 7' D&D CSOTF ARCH ANTENNA FRAME, ARMOR TOWER ENGINEERING

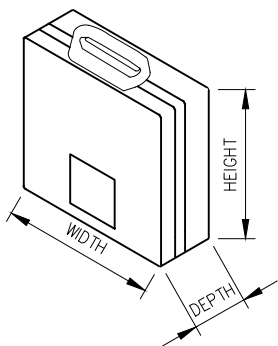


1 NEW CSOTF MONOPOLE WITH CSOTF STANDOFFS
 S-1



DESIGNED TO FIT 12-SIDED, 18-SIDED AND ROUND POLES FROM 12" TO 42" DIAMETER.

2 CSOTF SECTOR FRAME DETAILS
 SCALE: NOT TO SCALE



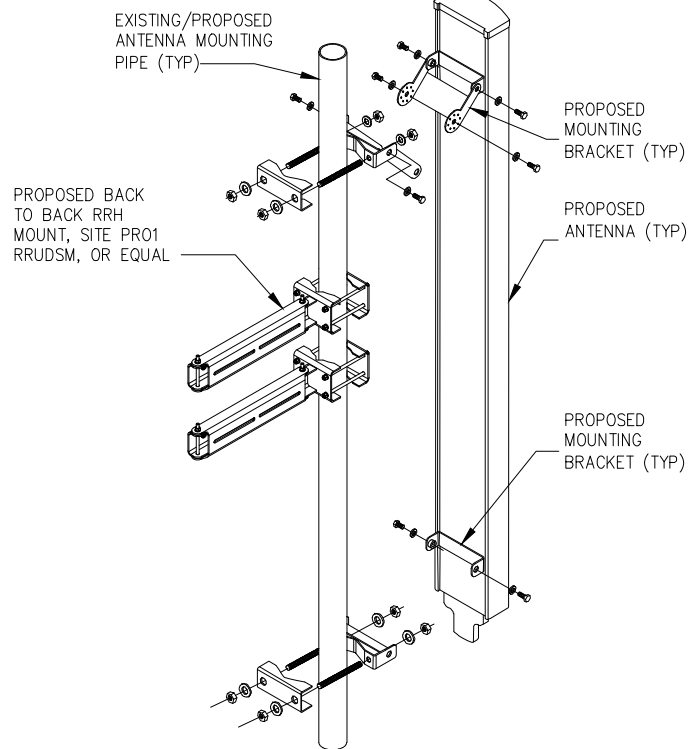
RADIO 4415 SPECIFICATIONS
 • HxWxD, (INCHES): 16.53"x13.46"x6.29"
 • WEIGHT (LBS): 47.4
 • COLOR: NCS S 1002-B/NCS S 6502-B

RRUS-8843 SPECIFICATIONS
 • HxWxD, (INCHES) : 14.9"x13.2"x10.9"
 • WEIGHT (LBS) : 50.8
 • COLOR : GRAY

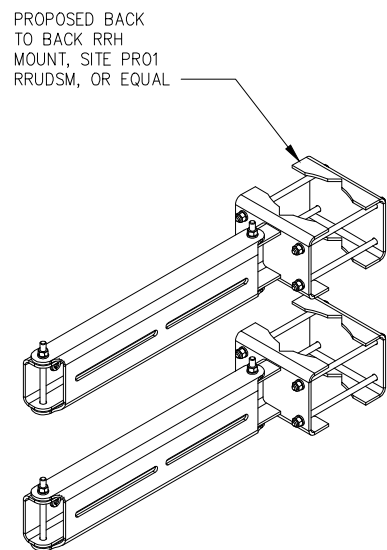
RADIO 4478 SPECIFICATIONS
 • HxWxD, (INCHES) : 18.1"x13.4"x8.26"
 • WEIGHT (LBS) : 59.5
 • COLOR : GRAY

RRUS-4449 SPECIFICATIONS
 • HxWxD, (INCHES) : 17.9"x13.2"x9.4"
 • WEIGHT (LBS) : 50.8
 • COLOR : GRAY

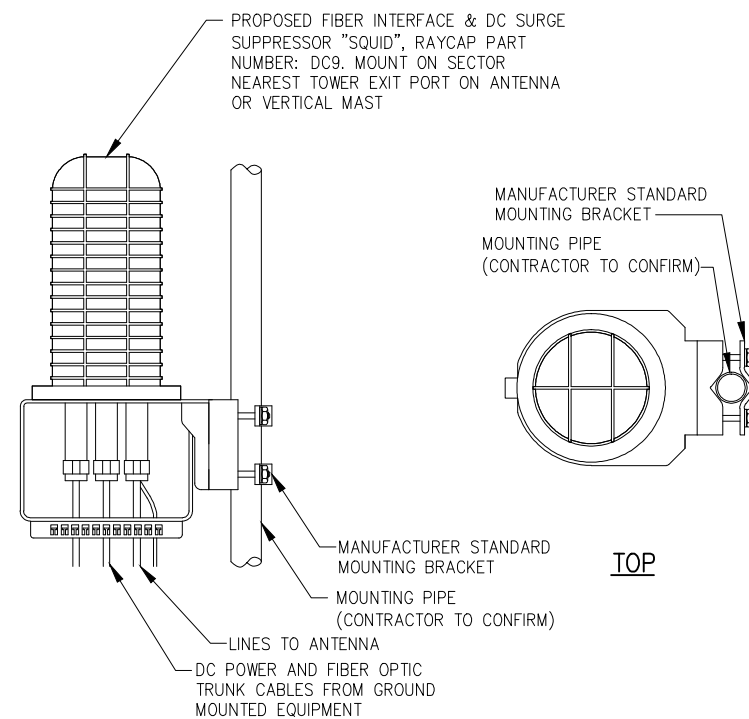
3 RRU SPECS
 NOT TO SCALE



4 MOUNTING DETAIL
 NOT TO SCALE



5 BACK TO BACK PIPE MOUNT DETAIL
 NOT TO SCALE



6 SQUID DETAIL
 NOT TO SCALE



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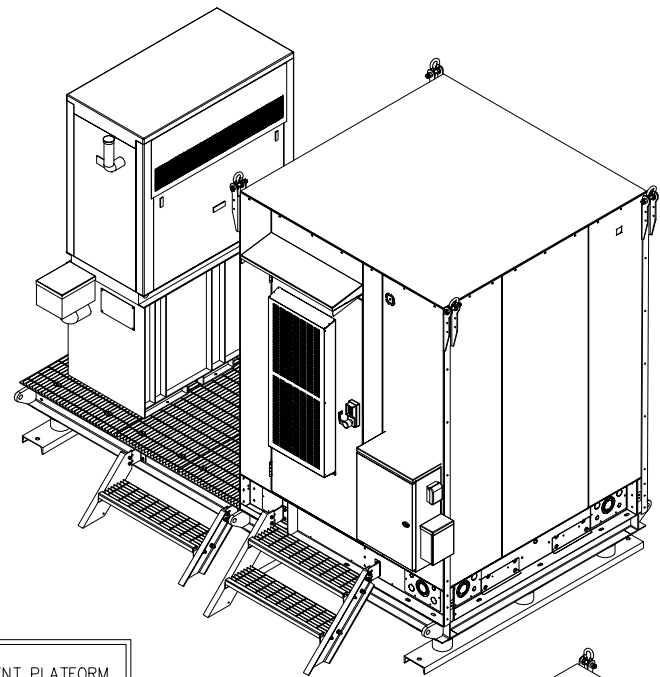
Drawing Title
AT&T EQUIPMENT DETAILS

Drawing Scale: **CD**

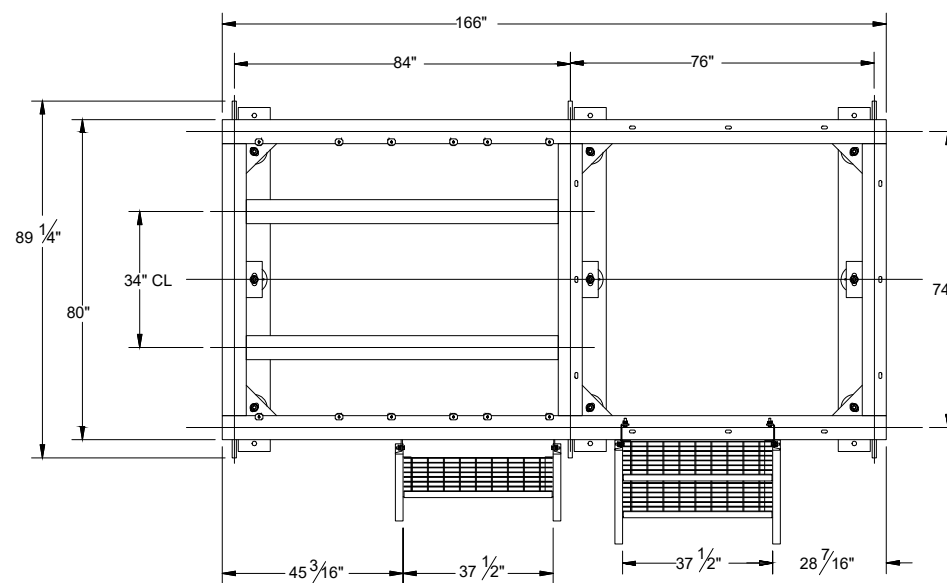
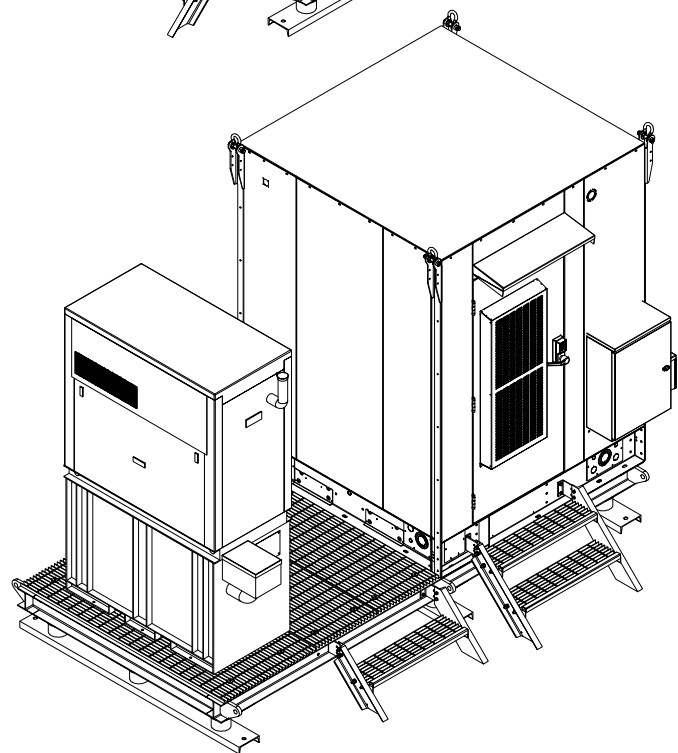
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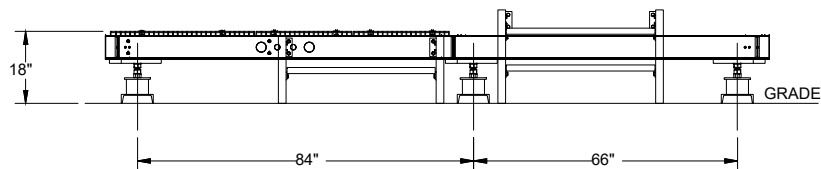
Drawing Number
A3



NOTE:
NETXTEND STEEL EQUIPMENT PLATFORM SPECIFICATIONS PROVIDED BY AT&T FROM THE MANUFACTURER (VERTIV). CONTRACTOR TO ACQUIRE INSTALLATION SPECIFICATIONS, INCLUDING THE FOUNDATION DESIGN, FROM THE MANUFACTURER PRIOR TO INSTALLATION.



NOTE:
NETXTEND STEEL EQUIPMENT TO BE GALVANIZED UNPAINTED STEEL, NO EXTERIOR LIGHTING IS PROPOSED AT THIS TIME

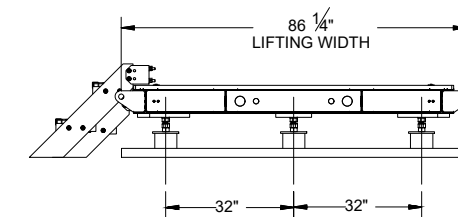


1 AT&T NETXTEND PLATFORM DETAILS
--- NOT TO SCALE

20 KW GENERATOR SPECS	
MODEL	G007098-0
MANF.	GENERAC
HEIGHT	90.0"
WIDTH	36.0"
LENGTH	48.0"



2 GENERATOR DETAILS
--- NOT TO SCALE



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AT&T EQUIPMENT PLATFORM DETAILS

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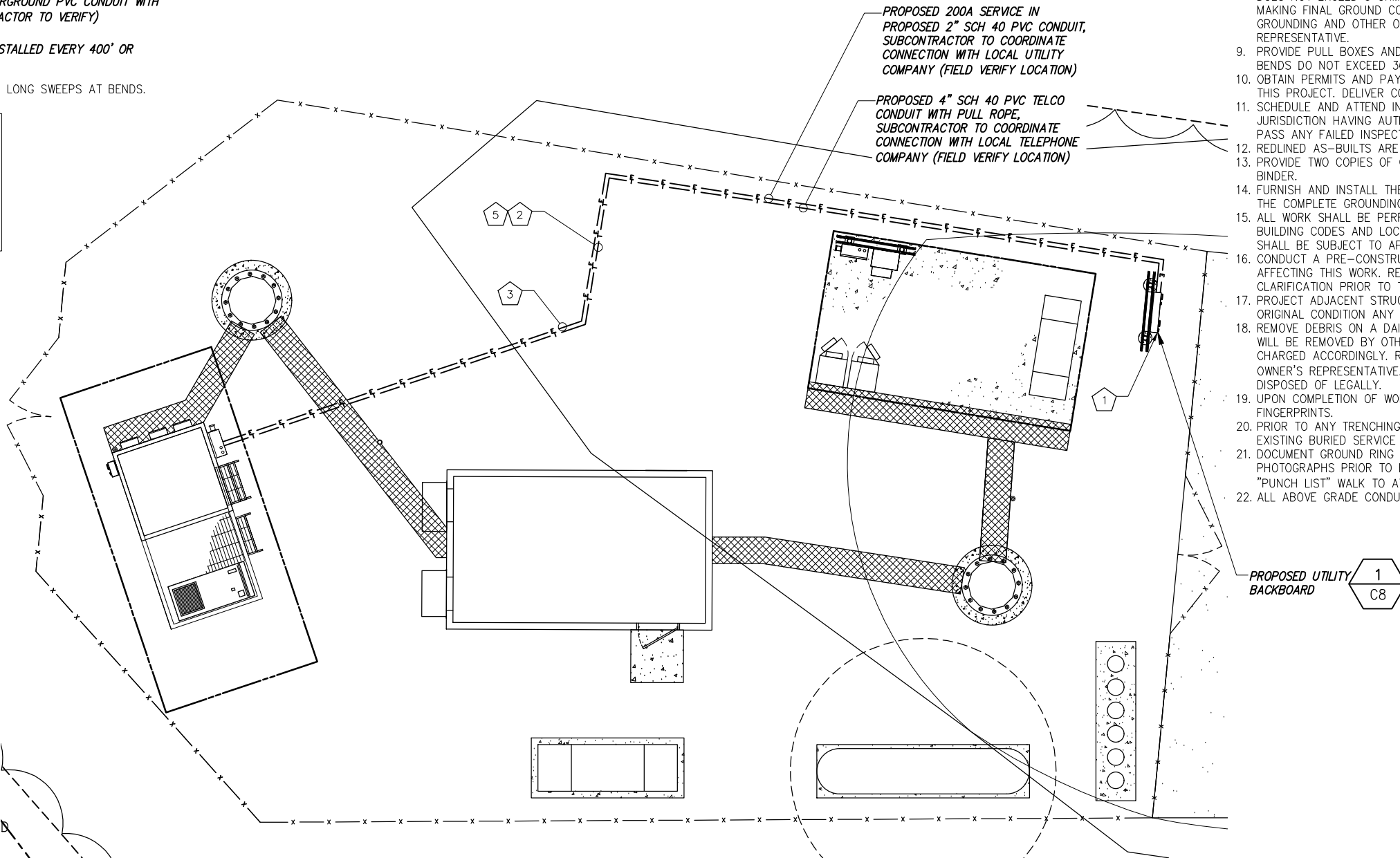
CODED NOTES:

- 1 PROPOSED METER IN UTILITY METER BANK
- 2 PROPOSED (1) 2" UNDERGROUND PVC CONDUIT FROM EXISTING FIBER DEMARC TO PROPOSED PPC CABINET (PENDING COORDINATION WITH FIBER PROVIDER)
- 3 NEW POWER SERVICE - PROVIDE 200A SERVICE FROM EXISTING METER BANK (METER SET REQUIRED) TO PROPOSED 200 AMP PANEL IN (1) 2" SCH. 40 UNDERGROUND PVC CONDUIT WITH (3) 3/0 & (1) #2 GND (CONTRACTOR TO VERIFY)
- 4 PROPOSED UTILITY PULL BOX INSTALLED EVERY 400' OR 270' OF BEND
- 5 ALL TELCO CONDUITS SHALL USE LONG SWEEPS AT BENDS.

ANY EXTERIOR LIGHTING WITHIN THE EQUIPMENT COMPOUND SHALL EMPLOY FULL CUT-OFF FIXTURES THAT ARE FULLY SHIELDED TO DIRECT LIGHT DOWNWARD AND NOT INTO THE SKY OR TOWARDS ADJOINING PROPERTY. LIGHTING TO BE MANUALLY CONTROLLED BY FIELD TECHNICIAN DURING TIMES OF ONSITE ACTIVITY.

ELECTRICAL NOTES:

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.), AND APPLICABLE LOCAL CODES.
2. GROUNDING SHALL COMPLY WITH THE ARTICLE 250 OF NATIONAL ELECTRICAL CODE.
3. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED.
4. ALL WIRES SHALL BE AWG MIN #12 THHN COPPER UNLESS NOTED.
5. CONDUCTORS SHALL BE INSTALLED IN SCHEDULE 40 PVC CONDUIT UNLESS NOTED OTHERWISE.
6. LABEL AT&T SERVICE DISCONNECTS WITH SWITCH AND PANEL WITH ENGRAVED LAMACOID LABELS, LETTERS 1" IN HEIGHT.
7. ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. BEND GROUNDING LEADS WITH A MINIMUM 8" RADIUS.
8. ENGAGE AN INDEPENDENT TESTING FIRM TO TEST AND VERIFY THAT RESISTANCE DOES NOT EXCEED 5 OHMS TO GROUND. TEST GROUND RING RESISTANCE PRIOR TO MAKING FINAL GROUND CONNECTIONS TO INFRASTRUCTURE AND EQUIPMENT. GROUNDING AND OTHER OPERATIONAL TESTING SHALL BE WITNESSED BY AT&TS REPRESENTATIVE.
9. PROVIDE PULL BOXES AND JUNCTION BOXES WHERE REQUIRED SO THAT CONDUIT BENDS DO NOT EXCEED 360 DEGREES.
10. OBTAIN PERMITS AND PAY FEES RELATED TO ELECTRICAL WORK PERFORMED ON THIS PROJECT. DELIVER COPIES OF ALL PERMITS TO AT&T REPRESENTATIVE.
11. SCHEDULE AND ATTEND INSPECTIONS RELATED TO ELECTRICAL WORK REQUIRED BY JURISDICTION HAVING AUTHORITY. CORRECT AND PAY FOR ANY WORK REQUIRED TO PASS ANY FAILED INSPECTION.
12. REDLINED AS-BUILTS ARE TO BE DELIVERED TO AN AT&T REPRESENTATIVE.
13. PROVIDE TWO COPIES OF OPERATION AND MAINTENANCE MANUALS IN THREE-RING BINDER.
14. FURNISH AND INSTALL THE COMPLETE ELECTRICAL SERVICE, TELCO CONDUIT AND THE COMPLETE GROUNDING SYSTEM.
15. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE BUILDING CODES AND LOCAL ORDINANCES, INSTALLED IN A NEAT MANNER. SHALL BE SUBJECT TO APPROVAL BY AN AT&T REPRESENTATIVE.
16. CONDUCT A PRE-CONSTRUCTION SITE VISIT AND VERIFY EXISTING SITE CONDITIONS AFFECTING THIS WORK. REPORT ANY OMISSIONS OR DISCREPANCIES FOR CLARIFICATION PRIOR TO THE START OF CONSTRUCTION.
17. PROJECT ADJACENT STRUCTURES AND FINISHES FROM DAMAGE, REPAIR TO ORIGINAL CONDITION ANY DAMAGED AREA.
18. REMOVE DEBRIS ON A DAILY BASIS. DEBRIS NOT REMOVED IN A TIMELY FASHION WILL BE REMOVED BY OTHERS AND THE RESPONSIBLE SUBCONTRACTOR SHALL BE CHARGED ACCORDINGLY. REMOVAL OF DEBRIS SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE. DEBRIS SHALL BE REMOVED FROM THE PROPERTY AND DISPOSED OF LEGALLY.
19. UPON COMPLETION OF WORK, THE SITE SHALL BE CLEAN AND FREE OF DUST AND FINGERPRINTS.
20. PRIOR TO ANY TRENCHING, CONTACT LOCAL UTILITY TO VERIFY LOCATION OF ANY EXISTING BURIED SERVICE CONDUITS.
21. DOCUMENT GROUND RING INSTALLATION AND CONNECTIONS TO IT WITH PHOTOGRAPHS PRIOR TO BACKFILLING SITE. PRESENT PHOTO ARCHIVE A SITE "PUNCH LIST" WALK TO AT&T'S REPRESENTATIVE.
22. ALL ABOVE GRADE CONDUIT TO BE RIGID METALLIC.



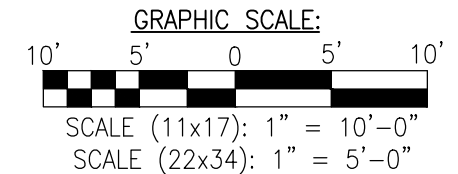
ABBREVIATIONS

- AWG AMERICAN WIRE GAUGE
- BFG BELOW FINISH GRADE
- BTS BARE TINNED STRANDED
- C CONDUIT
- CAB CABINET
- DLO DIESEL LOCOMOTIVE CABLE
- DWG DRAWING
- EGR EXTERIOR GROUND RING
- EIGB EXTERIOR ISOLATED GROUND BAR
- G GROUND
- HALO INTERIOR GROUND RING
- MIGB MAIN ISOLATED GROUND BAR
- MGN MULTI-GROUNDED NEUTRAL
- MSC MOBILE SWITCHING CENTER
- MTSO MOBILE TELEPHONE SWITCHING OFFICE
- PVC POLYVINYL CHLORIDE
- RGS RIGID GALVANIZED STEEL
- SS STAINLESS STEEL
- SST SELF SUPPORTING TOWER
- TGR TOWER GROUND RING
- TYP. TYPICAL



CALLED NORTH

1 DETAILED SITE LAYOUT
SCALE: 1" = 10'



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3	REVISED PER COMMENTS	SKB	06/04/21
2	REVISED PER COMMENTS	SKB	04/16/21
1	REVISED PER COMMENTS	PEG	04/16/21

Drawn: SKB Date: 03/19/21
Designed: AJP Date: 03/19/21
Checked: AJP Date: 03/19/21

Project Number 1154-Z0001
Project Title
INLET
88 LIMEKILN ROAD
INLET, NY 13360



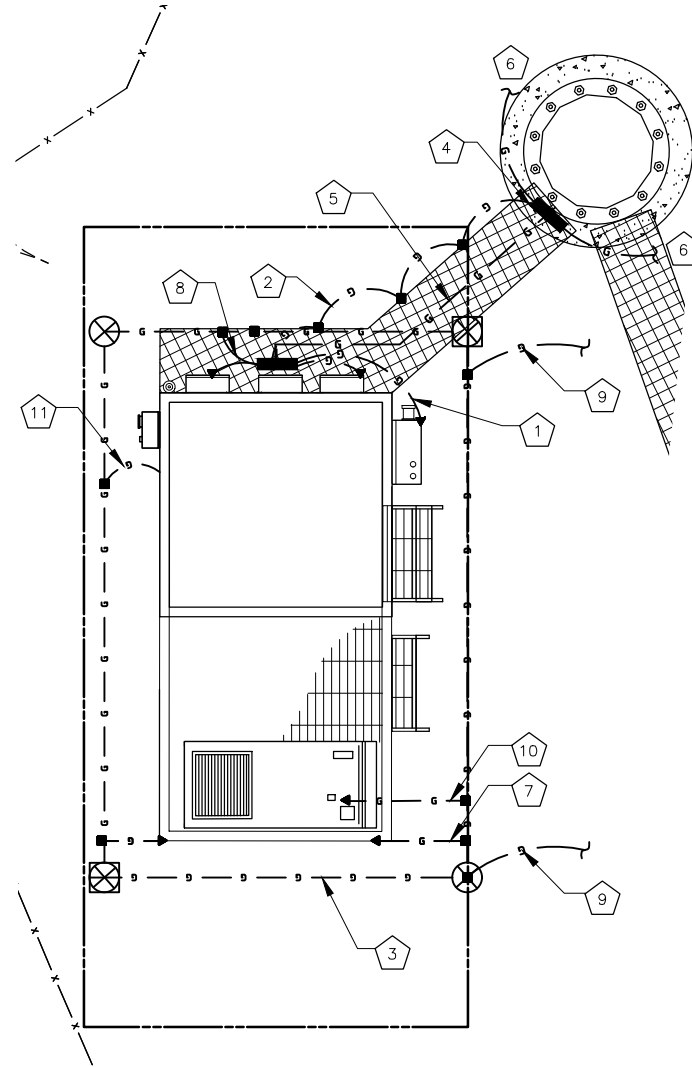
Prepared For
TARPON TOWERS
Drawing Title
AT&T UTILITY PLAN

Drawing Scale: **CD**
Date: 12/28/21

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Drawing Number
A5

CODED DRAWING NOTES

- 1 BOND PROPOSED AT&T POWER/TELCO CABINET TO PROPOSED GROUND RING (PER MANUFACTURER SPECS)
- 2 BOND PROPOSED AT&T ICE BRIDGE TO PROPOSED GROUND RING WITH #2/0 SOLID TINNED BCW (TYP. OF (2) PLACES)
- 3 PROPOSED #4 SOLID TINNED BCW BURIED GROUND RING
- 4 PROPOSED SECONDARY GROUND BAR AT BASE OF TOWER (TYP.)
- 5 BOND PROPOSED SECONDARY GROUND BAR TO MAIN GROUND BAR
- 6 BOND PROPOSED SECONDARY GROUND BAR TO TOWER GROUND RING WITH PROPOSED #2/0 SOLID TINNED BCW (TYP. OF (2) PLACES)
- 7 BOND PROPOSED STEEL EQUIPMENT PLATFORM TO PROPOSED GROUND RING (PER MANUFACTURER SPECS)
- 8 BOND PROPOSED MAIN GROUND BAR TO PROPOSED GROUND RING WITH #2/0 SOLID TINNED BCW (TYP. OF (2) PLACES)
- 9 BOND PROPOSED GROUND RING TO COMPOUND GROUND SYSTEM WITH #2/0 SOLID TINNED BCW (TYP. OF (2) PLACES)
- 10 BOND PROPOSED GENERATOR PER MANUFACTURERS SPECS
- 11 BOND PROPOSED W.I.C. TO BE GROUNDED PER MANUFACTURER SPECS (TYP.)



CONTRACTOR TO REFER TO CARRIER SPECIFIC CONSTRUCTION DRAWINGS FOR CARRIER GROUNDING DETAILS. THESE GROUNDING PLANS ARE GENERIC IN NATURE.

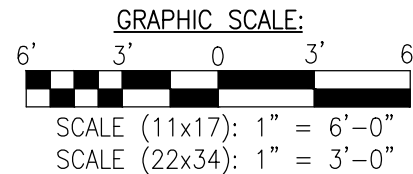
NOTES:
CONTRACTOR TO GROUND ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

NOTE:
INFINIGY ENGINEERING HAS NOT CONDUCTED AN ELECTRICAL LOAD STUDY FOR THIS SITE. CONTRACTOR IS TO VERIFY EXISTING ELECTRICAL LOADS PRIOR TO CONSTRUCTION TO ENSURE THERE IS AMPLE SERVICE AVAILABLE TO ACCOMMODATE THE EXISTING AND PROPOSED EQUIPMENT.

SYMBOL	
	COPPER GROUND ROD
	CONNECT PER MANUFACTURER SPECS
	CADWELD CONNECTION
	MECHANICAL CONNECTION
	GROUND BAR
	ELECTRICAL CONDUIT
	GROUND WIRE
	DC/FIBER LINE

1 DETAILED SITE LAYOUT
SCALE: AS NOTED

CALLED NORTH



GENERAL GROUNDING NOTES:

- TO ENSURE PROPER BONDING, ALL CONNECTIONS SHALL BE AS FOLLOWS:
 - #2 AWG BARE TINNED SOLID COPPER CONDUCTOR: CADWELD TO RODS OR GROUND RING
 - LUGS AND BUS BAR (UNLESS NOTED OTHERWISE): SANDED CLEAN, COATED WITH OXIDE INHIBITOR AND BOLTED FOR MAXIMUM SURFACE CONTACT. ALL LUGS SHALL BE COPPER (NO ALUMINUM SHALL BE PERMITTED). PROVIDE LOCK WASHERS FOR ALL MECHANICAL CONNECTIONS FOR GROUND CONDUCTORS. USE STAINLESS STEEL HARDWARE THROUGHOUT.
- ALL GROUNDING CABLE IN CONCRETE OR THROUGH WALLS SHALL BE IN 3/4" PVC CONDUIT. SEAL AROUND CONDUIT THROUGH WALLS. NO METALLIC CONDUIT SHALL BE USED FOR GROUNDING CONDUCTORS.
- OWNER'S REPRESENTATIVE WILL INSPECT CADWELDS AND CONDUCT MEGGER TEST PRIOR TO BURIAL. MAXIMUM 5 OHMS RESISTANCE IS REQUIRED.
- DO NOT INSTALL GROUND RING OUTSIDE OF LEASED AREA.
- MAKE ALL GROUND CONNECTIONS AS SHORT AND DIRECT AS POSSIBLE. AVOID SHARP BENDS. ALL BENDS SHALL BE A MINIMUM 8" RADIUS AND NO GREATER THAN 90 DEGREES.
- ALL CADWELDS TO BURIED GROUND RING SHALL BE THE PARALLEL TYPE, EXCEPT FOR THE GROUND RODS WHICH SHALL BE THE TEE TYPE.
- BOND SERVICE CONDUITS TO GROUND RING AS THEY CROSS. EXOTHERMICALLY WELD TO CONDUITS.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHEN THE GROUNDING SYSTEM IS COMPLETE. THE CONSTRUCTION MANAGER SHALL INSPECT THE GROUNDING SYSTEM PRIOR TO BACKFILLING.
- THE MINIMUM SPACING BETWEEN GROUND RODS SHALL BE 10'-0" (MAX. 15'-0").
- BOND CIGBE TO EXTERNAL GROUND RING WITH 2 RUNS OF #2 BARE, TINNED, SOLID COPPER CONDUCTOR IN PVC. CONNECT BAR END WITH 2 HOLE LUG, AND "CADWELD" THE OTHER END TO THE EXTERNAL GROUND ROD.
- THE PREFERRED LOCATION FOR COAX GROUNDING IS AT THE BASE OF THE TOWER PRIOR TO THE COAX BEND. BONDING IS SHOWN ON THE ICE BRIDGE DUE TO DIFFICULTY WITH WELDING OR ATTACHING TO TOWER LEGS. CONTRACTOR SHALL ADVISE CONSTRUCTION MANAGER PRIOR TO PLACING CIGBE ON ICE BRIDGE IF MOUNTING TO TOWER LEG IS POSSIBLE.
- BONDING OF THE GROUNDED CONDUCTOR (NEUTRAL) AND THE GROUNDING CONDUCTOR SHALL BE AT THE SERVICE DISCONNECTING MEANS. BONDING JUMPER SHALL BE INSTALLED PER N.E.C. ARTICLE 250-30.



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1	REVISED PER COMMENTS	PEG	04/16/21

Drawn: SKB Date: 03/19/21
Designed: AJR Date: 03/19/21
Checked: AJR Date: 03/19/21

Project Number 1154-Z0001

Project Title
INLET
88 LIMEKILN ROAD
INLET, NY 13360



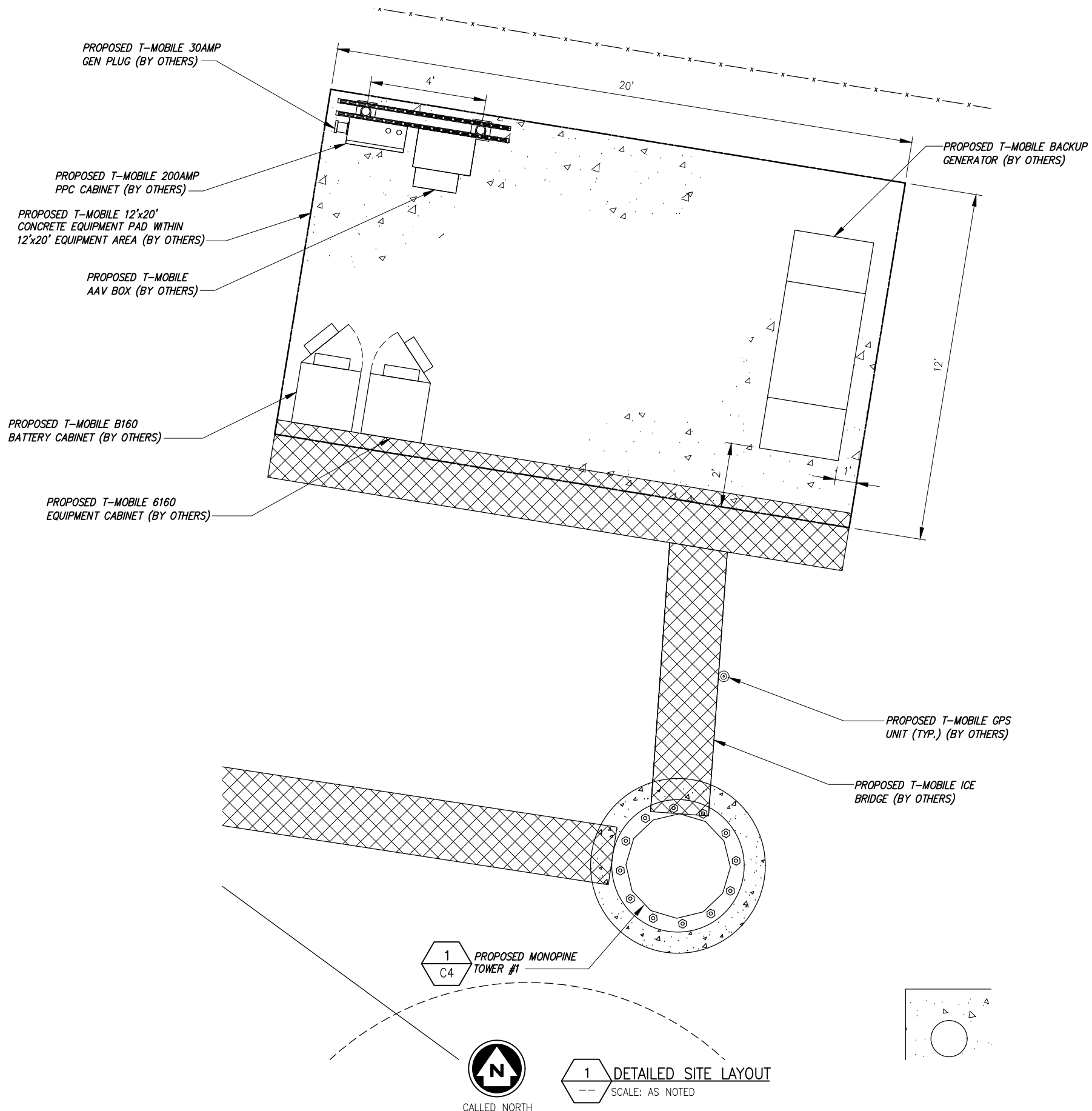
Drawing Title
**AT&T EQUIPMENT
GROUNDING LAYOUT**

Drawing Scale:
CD
Date:
12/28/21

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Drawing Number
A6

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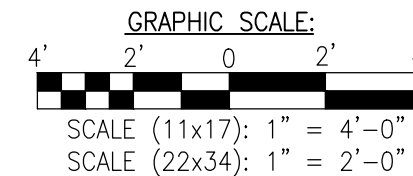


THE TOPOGRAPHY COLLECTED FROM A SURVEY BY GERALD R. GRAY, PLS SUGGESTS THAT THIS SITE DOES NOT REQUIRE ANY MAJOR EARTHWORK.

BASEMAPPING INFORMATION WAS OBTAINED FROM A SITEWALK AND SURVEY COMPLETED BY GERALD R. GRAY, PLS ON 3/04/20.



1 DETAILED SITE LAYOUT
SCALE: AS NOTED



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1	REVISED PER COMMENTS	PEG	04/16/21

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Designed: AJP Date: 03/19/21
Checked: AJP Date: 03/19/21

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P2021-0207

Project Number 1154-Z0001
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88 LIMEKILN ROAD
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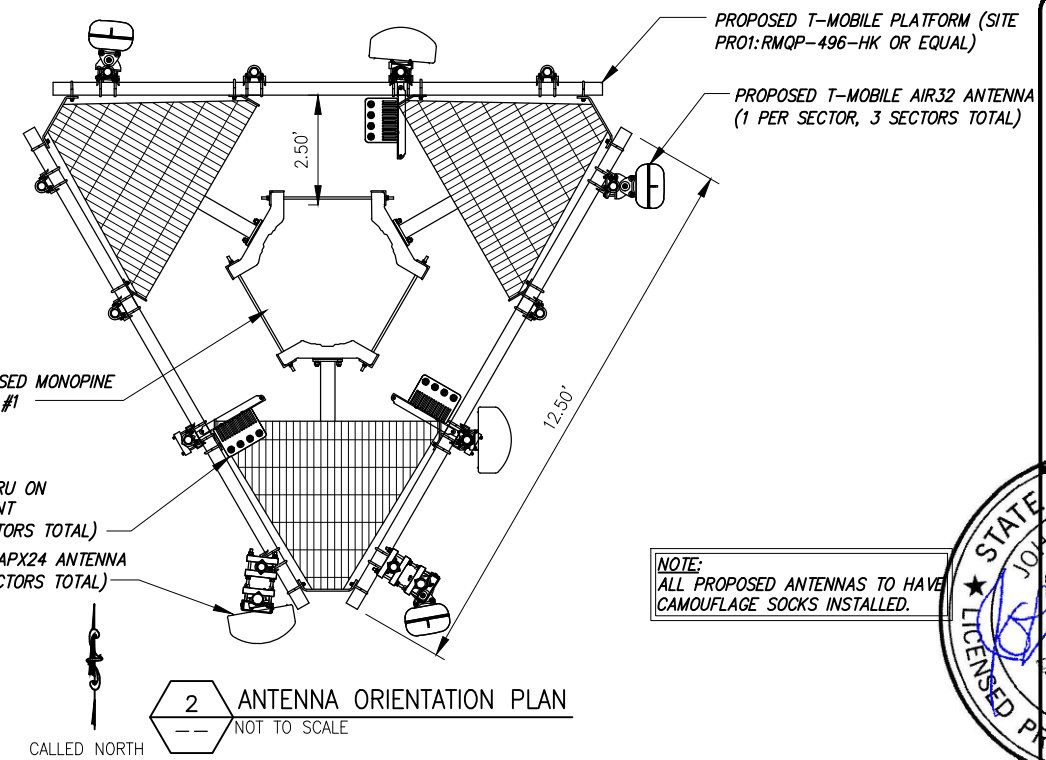
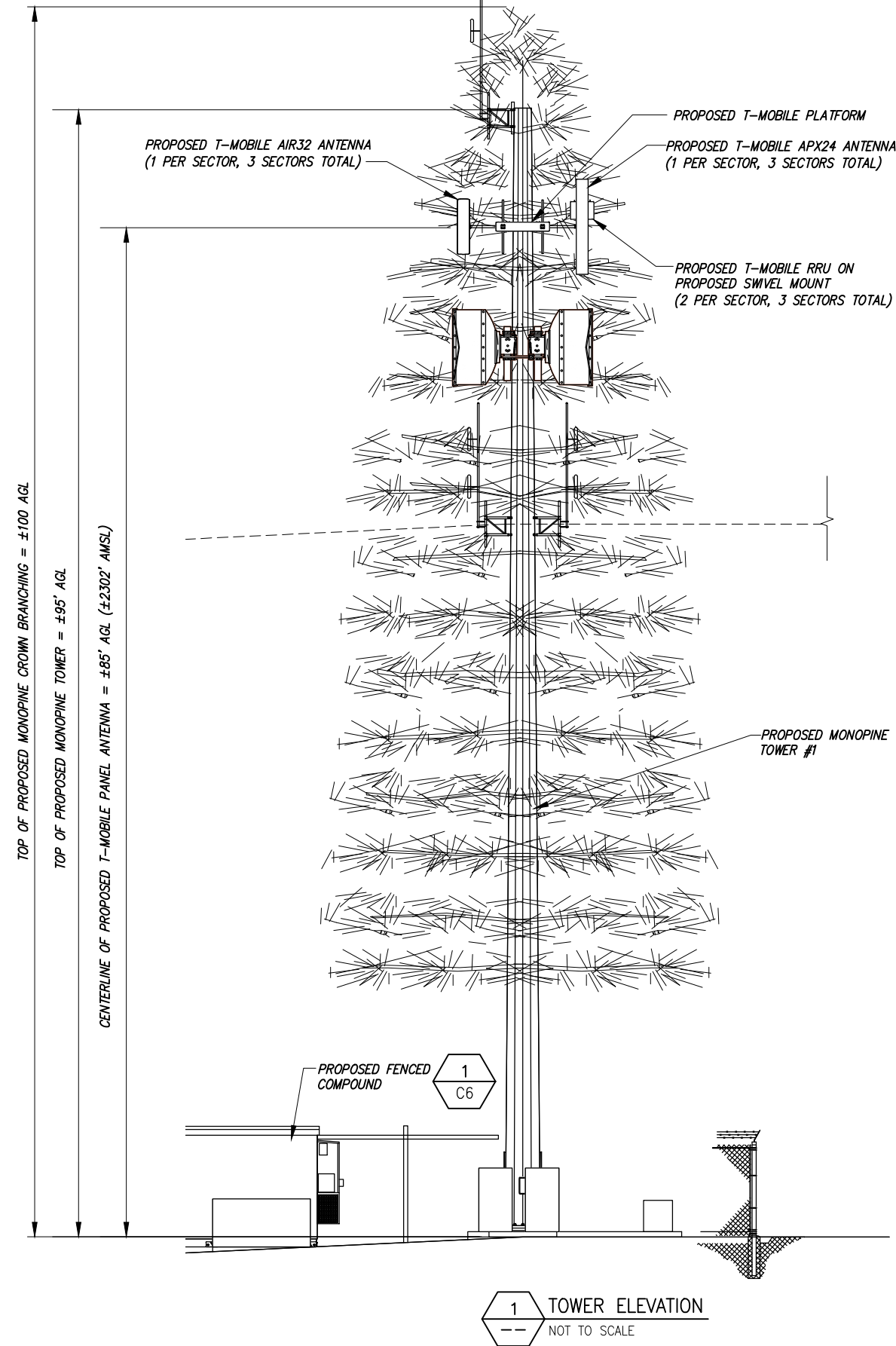
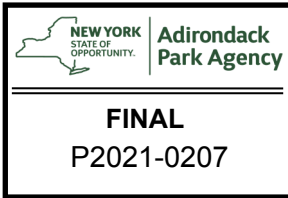
Drawing Title
ENLARGED T-MOBILE EQUIPMENT PLAN

Drawing Scale: **CD**
Date: 12/28/21

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Drawing Number
B1

INFINIGY ENGINEERING ASSUMES NO LIABILITY FOR THE STRUCTURAL INTEGRITY OF THE PROPOSED TOWER INSTALLATION. A STRUCTURAL ANALYSIS MUST BE COMPLETED PRIOR TO START OF CONSTRUCTION.



ANTENNA AND RRU SCHEDULE									
SECTOR	ANTENNA POSITION	ANTENNA MAKE	ANTENNA MODEL	RAD CTR. FT. AGL	AZIMUTH	RRU/ODU	E-TILT	M-TILT	CABLE
ALPHA	#1	ERICSSON	AIR32 KRD901146-1_B66A_B2A	85'-0"	05°	-	3' (L2100)	0°	(1) 6X12 HYBRID (SHARED BY ALPHA)
	#2	-	-	-	-	-	-	-	-
	#3	RFS	APXVAARR24_43-U-NA20	85'-0"	05°	ERICSSON 4415 B25 ERICSSON 4449 B71+B85	3' (L1900) 3' (U1900) 4' (L700) 4' (L600)	0°	(1) 6X12 HYBRID (SHARED BY ALPHA)
	#4	-	-	-	-	-	-	-	-
BETA	#1	ERICSSON	AIR32 KRD901146-1_B66A_B2A	85'-0"	90°	-	3' (L2100)	0°	(1) 6X12 HYBRID (SHARED BY BETA)
	#2	-	-	-	-	-	-	-	-
	#3	RFS	APXVAARR24_43-U-NA20	85'-0"	90°	ERICSSON 4415 B25 ERICSSON 4449 B71+B85	3' (L1900) 3' (U1900) 4' (L700) 4' (L600)	0°	(1) 6X12 HYBRID (SHARED BY BETA)
	#4	-	-	-	-	-	-	-	-
GAMMA	#1	ERICSSON	AIR32 KRD901146-1_B66A_B2A	85'-0"	170°	-	3' (L2100)	0°	(1) 6X12 HYBRID (SHARED BY GAMMA)
	#2	-	-	-	-	-	-	-	-
	#3	RFS	APXVAARR24_43-U-NA20	85'-0"	170°	ERICSSON 4415 B25 ERICSSON 4449 B71+B85	3' (L1900) 3' (U1900) 4' (L700) 4' (L600)	0°	(1) 6X12 HYBRID (SHARED BY GAMMA)
	#4	-	-	-	-	-	-	-	-

- GENERAL NOTES:
- CONTRACTOR TO VERIFY PROPOSED ANTENNA INFORMATION IS THE MOST CURRENT AT TIME OF CONSTRUCTION.
 - CONTRACTOR TO CONFIRM CABLE LENGTHS FOR ANY PROPOSED CABLES/JUMPERS PRIOR TO CONSTRUCTION.



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3	REVISED PER COMMENTS	SKB	06/04/21
2	REVISED PER COMMENTS	SKB	04/16/21
1	REVISED PER COMMENTS	PEG	04/16/21

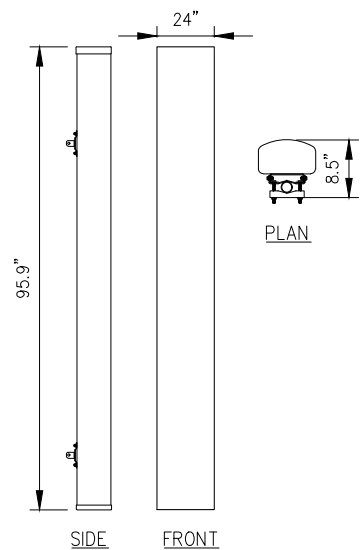
Project Number: 1154-Z0001
 Project Title: INLET
 88 LIMEKILN ROAD
 INLET, NY 13360



Drawing Title: T-MOBILE ELEVATION & ORIENTATION PLAN

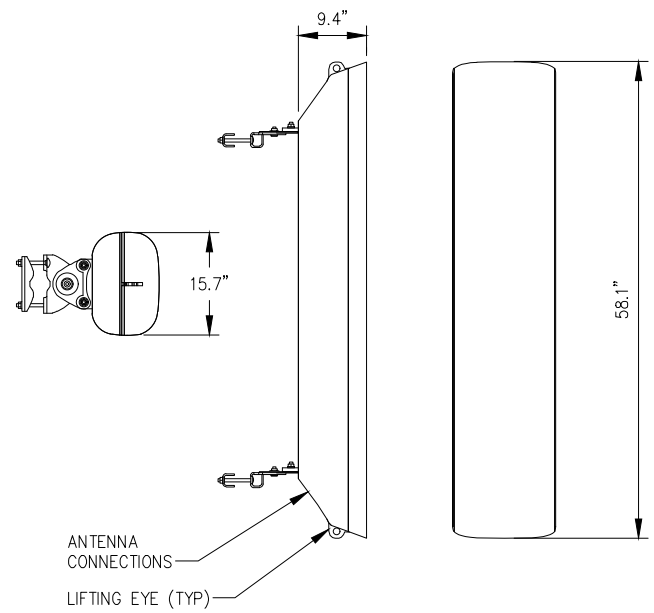
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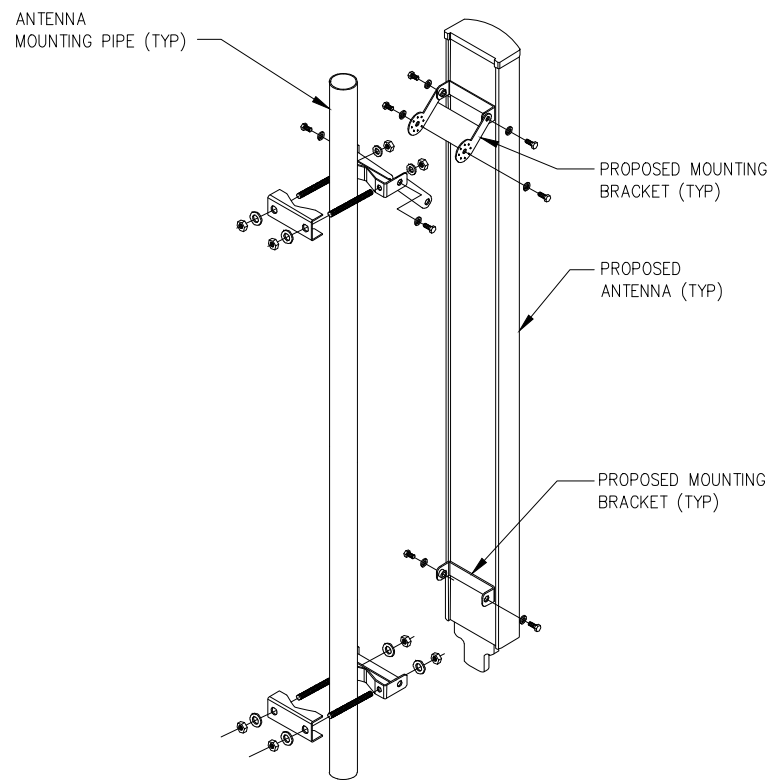
RFS MODEL NO.:	APXVAARR24_43-U-NA20
RADOME MATERIAL:	FIBERGLASS
RADOME COLOR:	LIGHT GREY
DIMENSIONS, HxWxD:	95.9"x24"x8.5"
WEIGHT, w/o MOUNTING KIT:	128 LBS

1 APX ANTENNA DETAIL
B3 SCALE: NOT TO SCALE



ERICSSON MODEL NO.:	AIR32
RADOME MATERIAL:	FIBERGLASS, UV RESISTANT
RADOME COLOR:	LIGHT GRAY
DIMENSIONS, HxWxD:	58.1"x15.7"x9.4"
WEIGHT:	180 LBS

2 AIR3246 B66 ANTENNA DETAIL
B3 SCALE: NOT TO SCALE



3 ANTENNA MOUNTING DETAIL
B3 SCALE: NOT TO SCALE



ERICSSON MODEL NO.:	4449 B71+B12
DIMENSIONS, HxWxD:	17.91"x13.19"x10.63"
WEIGHT (LBS):	74.69
COLOR:	GRAY

4 4449 B71+B12 RRU DETAIL
B3 SCALE: NOT TO SCALE



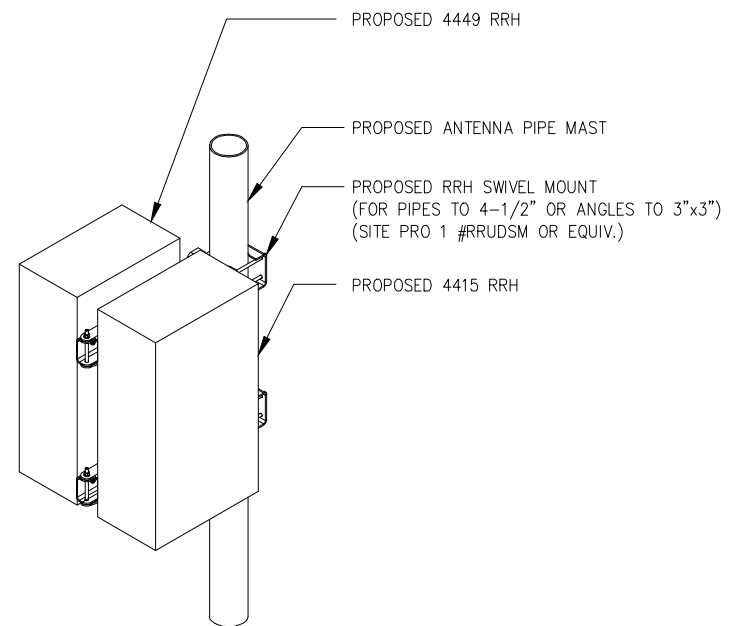
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1	REVISED PER COMMENTS	PEG	04/16/21

Drawn: SKB Date: 03/19/21
Designed: AJD Date: 03/19/21
Checked: AJD Date: 03/19/21

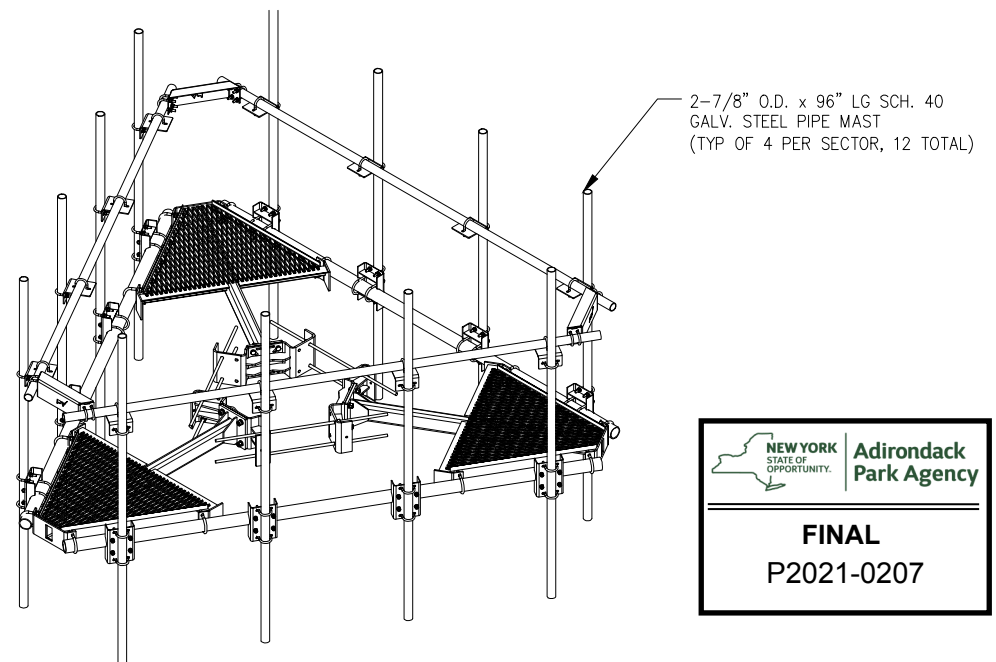


ERICSSON MODEL NO.:	4415 B25
DIMENSIONS, HxWxD:	14.9"x13.2"x5.4"
WEIGHT (LBS):	46.3
COLOR:	GRAY

5 4415 B25 RRU DETAIL
B3 SCALE: NOT TO SCALE

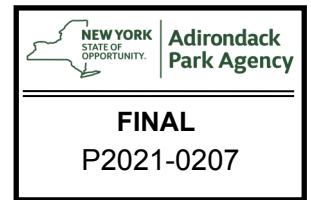


6 RRU MOUNTING DETAIL
B3 SCALE: NOT TO SCALE



SITE PR01:	RMQP-496-HK
FACE WIDTH:	12'-6"
WEIGHT:	2448.72 LBS

4 PROPOSED ANTENNA MOUNTING FRAME
-- NOT TO SCALE



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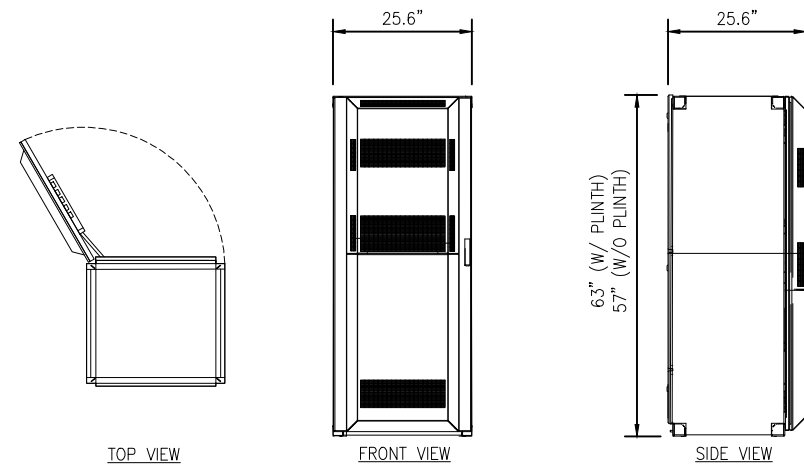
Prepared For: T-MOBILE EQUIPMENT DETAILS

Drawing Scale: CD
Date: 12/28/21

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Drawing Number: B3

*NOTE: INSTALL AND GROUND CABINET PER MANUFACTURER'S INSTALLATION SPECIFICATIONS

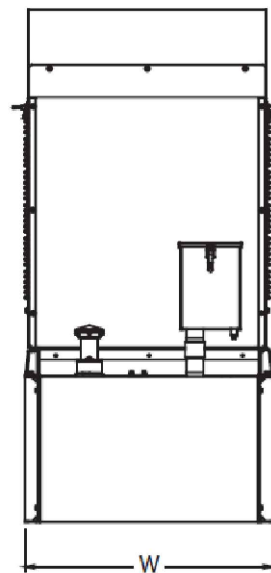
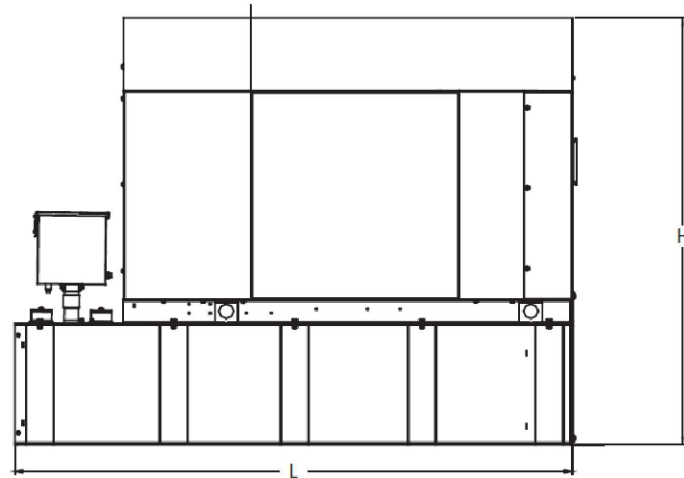


ERICSSON MODEL NO.:	6160
RACK SPACE:	19U
DIMENSIONS, HxWxD:	63"x25.6"x25.6" (W/ 6" PLINTH)
CABINET WEIGHT, EMPTY:	320 LBS
MAXIMUM WEIGHT:	770± LBS

ERICSSON MODEL NO.:	B160
RACK SPACE:	19U
DIMENSIONS, HxWxD:	63"x25.6"x25.6" (W/ 6" PLINTH)
CABINET WEIGHT, EMPTY:	300 LBS
WEIGHT W/ (12) M12V155FT 150AH BATTERIES:	1500LBS (NOT TO EXCEED)

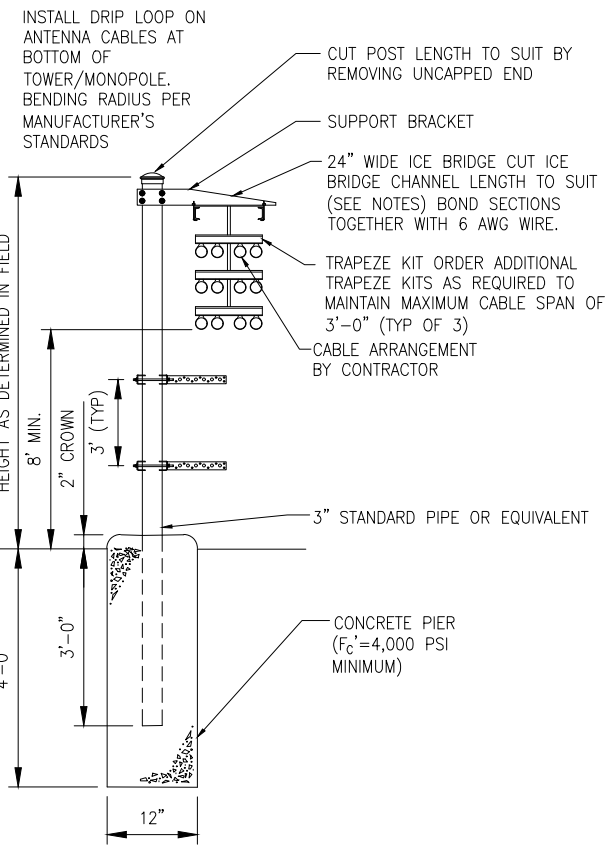
1 CABINET DETAILS
B4 SCALE: NOT TO SCALE

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P2021-0207



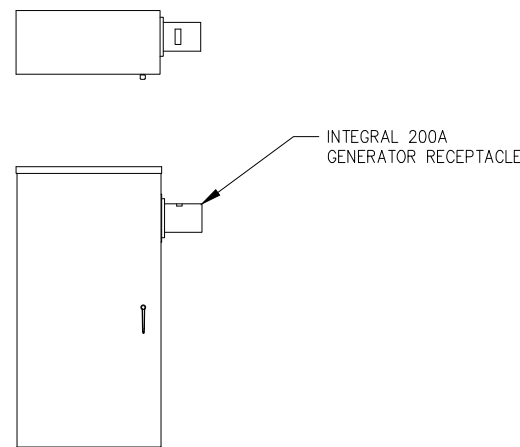
KOHLER 35KW GENERATOR WITH ATS	
Dimensions and Weights (Open Unit)	
Overall Size, L x W x H, mm (in.):	
Wide Skid:	2300 x 1040 x 1133 (90.6 x 41.0 x 44.6)
Narrow Skid:	1875 x 780 x 1067 (73.8 x 30.7 x 42.0)
Weight (radiator model), wet, kg (lb.):	787 (1735)

3 GENERATOR DETAIL
B4 NOT TO SCALE



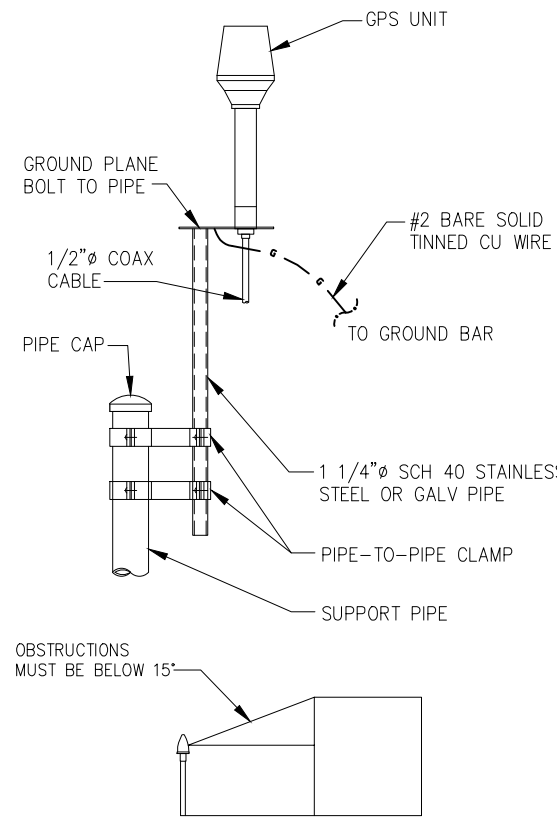
- NOTES:
- WHEN USING COMPONENTS AS SHOWN IN STANDARD DETAILS, MAXIMUM ALLOWABLE SPAN BETWEEN SUPPORTS ON A CONTINUOUS SINGLE SECTION OF BRIDGE CHANNEL SHALL BE 6 FEET.
 - WHEN USING COMPONENTS FOR SPLICING BRIDGE CHANNEL SECTIONS, THE SPLICE SHOULD BE PROVIDED AT THE SUPPORT, IF POSSIBLE, OR AT A MAXIMUM OF 2 FEET FROM THE SUPPORT.
 - WHEN USING COMPONENTS, SUPPORT SHOULD BE PROVIDED AS CLOSE AS POSSIBLE TO THE ENDS OF ICE BRIDGES, WITH A MAXIMUM CANTILIVER DISTANCE OF 2 FEET FROM THE SUPPORT TO THE FREE END OF THE ICE BRIDGE.
 - CUT BRIDGE CHANNEL SECTIONS SHALL HAVE RAW EDGES TREATED WITH A MATERIAL TO RESTORE THESE EDGES TO THE ORIGINAL CHANNEL, OR EQUIVALENT, FINISH.
 - ICE BRIDGES MAY BE CONSTRUCTED WITH COMPONENTS FROM OTHER MANUFACTURERS, PROVIDED THE MANUFACTURER'S INSTALLATION GUIDELINES ARE FOLLOWED.
 - DEVIATIONS FROM STANDARDS FOR COMPONENT INSTALLATIONS ARE PERMITTED WITH THE RESPECTIVE MANUFACTURER'S APPROVAL.
 - DEVIATIONS FROM ICE BRIDGE FOUNDATIONS REQUIRE ENGINEERING APPROVAL.
 - HEIGHT OF POST SHALL BE 10'-6" MAX. ABOVE GROUND LEVEL.

4 ICE BRIDGE DETAIL
B4 SCALE: NOT TO SCALE



VERTIV PPC MODEL CAC	
DIMENSIONS, HxWxD:	39"x20"x10"
WEIGHT:	75± LBS
NEMA RATING:	3R
OPERATING VOLTAGE:	120/240V, 1φ, 3W & GROUND
SERVICE:	100AMP OR 200AMP
LOAD CENTER:	200AMP, 24 POSITION

2 PPC DETAIL
B4 NOT TO SCALE



- NOTES:
- THE ELEVATION AND LOCATION OF THE GPS ANTENNA SHALL BE IN ACCORDANCE WITH THE FINAL RF REPORT.
 - THE GPS ANTENNA MOUNT IS DESIGNED TO FASTEN TO A GROUND PLANE BOLTED TO A STANDARD 1-1/4" DIAMETER, SCHEDULE 40 GALVANIZED STEEL OR STAINLESS STEEL PIPE. THE PIPE MUST NOT BE THREADED AT THE ANTENNA MOUNT END. THE PIPE SHALL BE CUT TO THE REQUIRED LENGTH (MINIMUM OF 18 INCHES) USING A HAND OR ROTARY PIPE CUTTER TO ASSURE A SMOOTH AND PERPENDICULAR CUT. A HACK SAW SHALL NOT BE USED. THE CUT PIPE END SHALL BE DEBURRED AND SMOOTH IN ORDER TO SEAL AGAINST THE NEOPRENE GASKET ATTACHED TO THE ANTENNA MOUNT.
 - IT IS CRITICAL THAT THE GPS ANTENNA IS MOUNTED SUCH THAT IT IS WITHIN 2 DEGREES OF VERTICAL AND THE BASE OF THE ANTENNA IS WITHIN 2 DEGREES OF LEVEL.
 - DO NOT SWEEP TEST GPS ANTENNA.

5 GPS MOUNTING DETAIL
B4 SCALE: NOT TO SCALE

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1	REVISED PER COMMENTS	PEG	04/16/21

Drawn: SKB Date: 03/19/21
Designed: AJD Date: 03/19/21
Checked: AJD Date: 03/19/21

Project Number: 1154-Z0001

Project Title:
INLET
88 LIMEKILN ROAD
INLET, NY 13360



Drawing Title:
T-MOBILE EQUIPMENT DETAILS

Drawing Scale:
CD
Date:
12/28/21

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Drawing Number:
B4

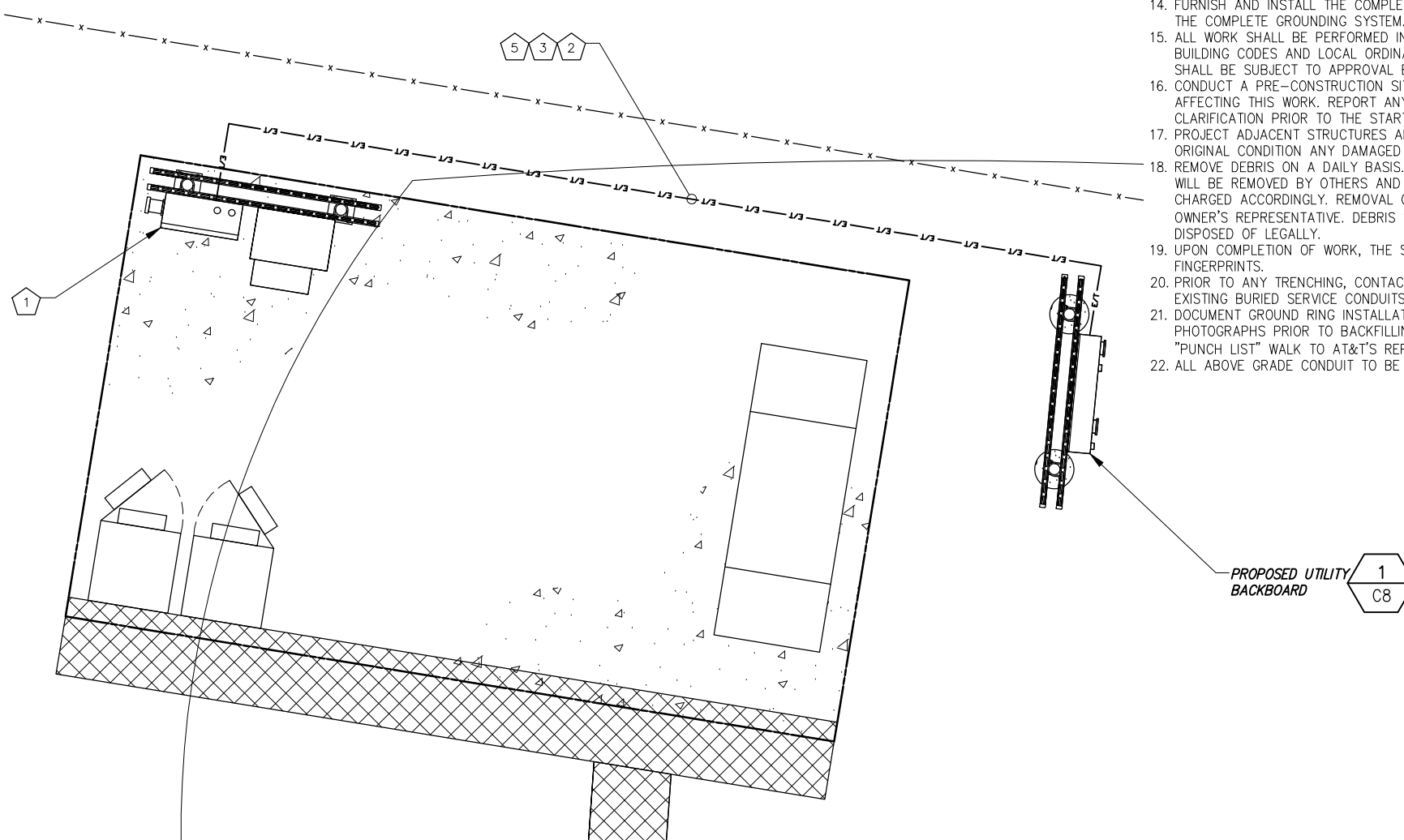
CODED NOTES:

- 1 COORDINATE EXACT LOCATION WITH UTILITY COMPANY. STUB UP POWER AND TELEPHONE CONDUITS AS DIRECTED BY UTILITY COMPANY. REFER TO EQUIPMENT SPECIFICATIONS FOR ELECTRICAL REQUIREMENTS.
- 2 PROPOSED (1) 2" UNDERGROUND PVC CONDUIT W/ 500# PULLSTRING FROM EXISTING FIBER DEMARC TO PROPOSED PPC CABINET (PENDING COORDINATION WITH FIBER PROVIDER)
- 3 NEW POWER SERVICE - PROVIDE 200A SERVICE FROM EXISTING METER BANK (METER SET REQUIRED) TO PROPOSED 200 AMP PANEL IN (1) 2" SCH. 40 UNDERGROUND PVC CONDUIT WITH (3) 3/0 & (1) #4 GND (CONTRACTOR TO VERIFY)
- 4 PROPOSED UTILITY PULL BOX INSTALLED EVERY 400' OR 270' OF BEND
- 5 ALL TELCO CONDUITS SHALL USE LONG SWEEPS AT BENDS.

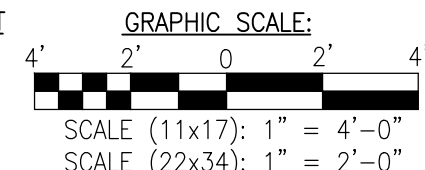
ANY EXTERIOR LIGHTING WITHIN THE EQUIPMENT COMPOUND SHALL EMPLOY FULL CUT-OFF FIXTURES THAT ARE FULLY SHIELDED TO DIRECT LIGHT DOWNWARD AND NOT INTO THE SKY OR TOWARDS ADJOINING PROPERTY. LIGHTING TO BE MANUALLY CONTROLLED BY FIELD TECHNICIAN DURING TIMES OF ONSITE ACTIVITY.

ABBREVIATIONS

AWG	AMERICAN WIRE GAUGE
BFG	BELOW FINISH GRADE
BTS	BARE TINNED STRANDED
C	CONDUIT
CAB	CABINET
DLO	DIESEL LOCOMOTIVE CABLE
DWG	DRAWING
EGR	EXTERIOR GROUND RING
EIGB	EXTERIOR ISOLATED GROUND BAR
G	GROUND
HALO	INTERIOR GROUND RING
MIGB	MAIN ISOLATED GROUND BAR
MGN	MULTI-GROUNDED NEUTRAL
MSC	MOBILE SWITCHING CENTER
MTSO	MOBILE TELEPHONE SWITCHING OFFICE
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL
SS	STAINLESS STEEL
SST	SELF SUPPORTING TOWER
TGR	TOWER GROUND RING
TYP.	TYPICAL



1 DETAILED SITE LAYOUT
SCALE: 1" = 4'



ELECTRICAL NOTES:

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.), AND APPLICABLE LOCAL CODES.
2. GROUNDING SHALL COMPLY WITH THE ARTICLE 250 OF NATIONAL ELECTRICAL CODE.
3. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED.
4. ALL WIRES SHALL BE AWG MIN #12 THHN COPPER UNLESS NOTED.
5. CONDUCTORS SHALL BE INSTALLED IN SCHEDULE 40 PVC CONDUIT UNLESS NOTED OTHERWISE.
6. LABEL AT&T SERVICE DISCONNECTS WITH SWITCH AND PANEL WITH ENGRAVED LAMACOID LABELS, LETTERS 1" IN HEIGHT.
7. ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. BEND GROUNDING LEADS WITH A MINIMUM 8" RADIUS.
8. ENGAGE AN INDEPENDENT TESTING FIRM TO TEST AND VERIFY THAT RESISTANCE DOES NOT EXCEED 5 OHMS TO GROUND. TEST GROUND RING RESISTANCE PRIOR TO MAKING FINAL GROUND CONNECTIONS TO INFRASTRUCTURE AND EQUIPMENT. GROUNDING AND OTHER OPERATIONAL TESTING SHALL BE WITNESSED BY AT&TS REPRESENTATIVE.
9. PROVIDE PULL BOXES AND JUNCTION BOXES WHERE REQUIRED SO THAT CONDUIT BENDS DO NOT EXCEED 360 DEGREES.
10. OBTAIN PERMITS AND PAY FEES RELATED TO ELECTRICAL WORK PERFORMED ON THIS PROJECT. DELIVER COPIES OF ALL PERMITS TO AT&T REPRESENTATIVE.
11. SCHEDULE AND ATTEND INSPECTIONS RELATED TO ELECTRICAL WORK REQUIRED BY JURISDICTION HAVING AUTHORITY. CORRECT AND PAY FOR ANY WORK REQUIRED TO PASS ANY FAILED INSPECTION.
12. REDLINED AS-BUILTS ARE TO BE DELIVERED TO AN AT&T REPRESENTATIVE.
13. PROVIDE TWO COPIES OF OPERATION AND MAINTENANCE MANUALS IN THREE-RING BINDER.
14. FURNISH AND INSTALL THE COMPLETE ELECTRICAL SERVICE, TELCO CONDUIT, AND THE COMPLETE GROUNDING SYSTEM.
15. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE BUILDING CODES AND LOCAL ORDINANCES, INSTALLED IN A NEAT MANNER AND SHALL BE SUBJECT TO APPROVAL BY AN AT&T REPRESENTATIVE.
16. CONDUCT A PRE-CONSTRUCTION SITE VISIT AND VERIFY EXISTING SITE CONDITIONS AFFECTING THIS WORK. REPORT ANY OMISSIONS OR DISCREPANCIES FOR CLARIFICATION PRIOR TO THE START OF CONSTRUCTION.
17. PROJECT ADJACENT STRUCTURES AND FINISHES FROM DAMAGE, REPAIR TO ORIGINAL CONDITION ANY DAMAGED AREA.
18. REMOVE DEBRIS ON A DAILY BASIS. DEBRIS NOT REMOVED IN A TIMELY FASHION WILL BE REMOVED BY OTHERS AND THE RESPONSIBLE SUBCONTRACTOR SHALL BE CHARGED ACCORDINGLY. REMOVAL OF DEBRIS SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE. DEBRIS SHALL BE REMOVED FROM THE PROPERTY AND DISPOSED OF LEGALLY.
19. UPON COMPLETION OF WORK, THE SITE SHALL BE CLEAN AND FREE OF DUST AND FINGERPRINTS.
20. PRIOR TO ANY TRENCHING, CONTACT LOCAL UTILITY TO VERIFY LOCATION OF ANY EXISTING BURIED SERVICE CONDUITS.
21. DOCUMENT GROUND RING INSTALLATION AND CONNECTIONS TO IT WITH PHOTOGRAPHS PRIOR TO BACKFILLING SITE. PRESENT PHOTO ARCHIVE A SITE "PUNCH LIST" WALK TO AT&T'S REPRESENTATIVE.
22. ALL ABOVE GRADE CONDUIT TO BE RIGID METALLIC.



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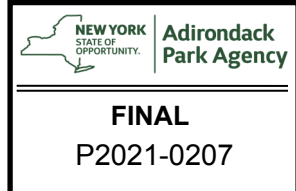


Drawing Title
T-MOBILE UTILITY PLAN

Drawing Scale: **CD**
Date: 12/28/21

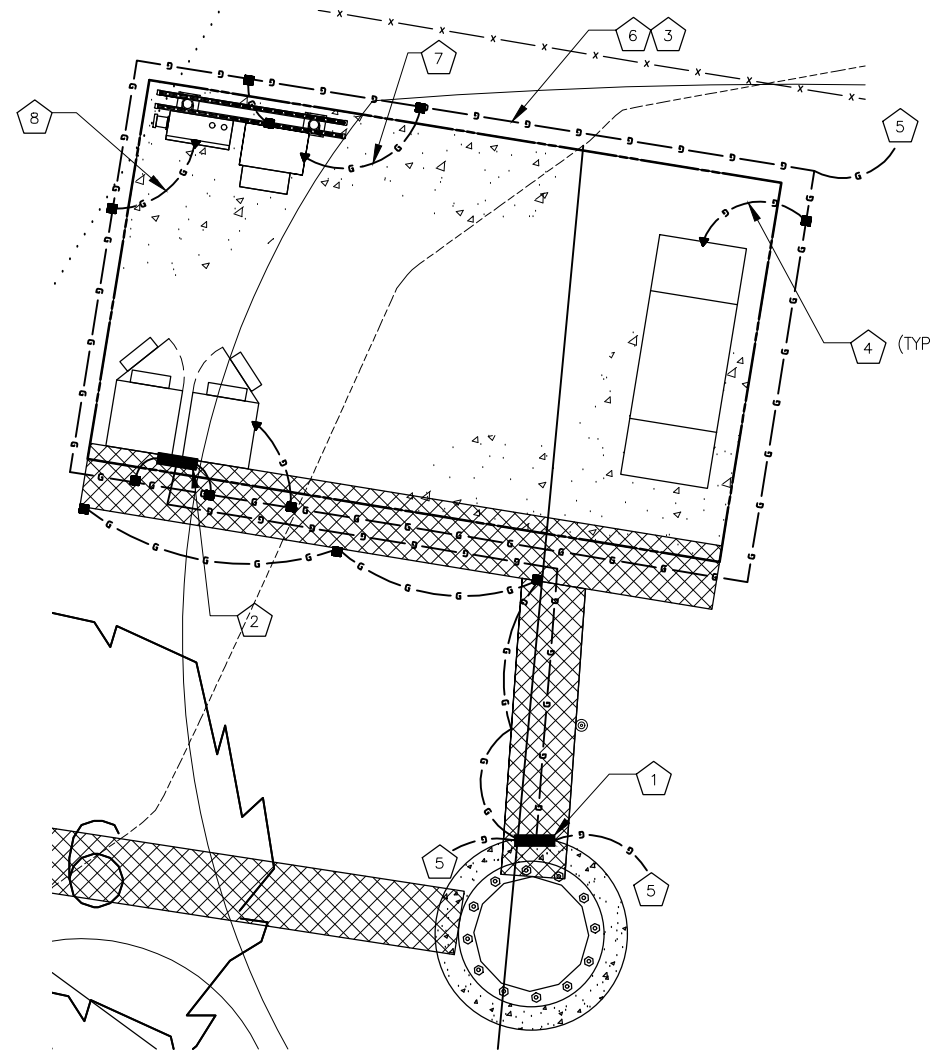
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B5



CODED DRAWING NOTES

- 1 PROPOSED GROUND BAR (ATTACHED TO TOWER ON INSULATORS, BOND TO EXISTING TOWER GROUND RING AT (2) LOCATIONS W/ #2 BCW)
- 2 PROPOSED GROUND BAR (MGB) (BOND TO PROPOSED GROUND RING AT (2) LOCATIONS W/ #2 BCW)
- 3 PROPOSED #2 BARE TINNED SOLID COPPER CONDUCTOR
- 4 PROPOSED #2 BCW (OR PER MANU. SPECS) (TYP)
- 5 BOND PROPOSED GROUND RING TO EXISTING GROUND RING W/ #2 BCW (TYP OF 2 LOCATIONS)
- 6 PROPOSED GROUND RING (#2 BCW)
- 7 BOND PROPOSED AVV EQUIPMENT (PER PER MANU. SPECS) (TYP)
- 8 PROPOSED PPC CABINET (PER PER MANU. SPECS) (TYP)



CONTRACTOR TO REFER TO CARRIER SPECIFIC CONSTRUCTION DRAWINGS FOR CARRIER GROUNDING DETAILS. THESE GROUNDING PLANS ARE GENERIC IN NATURE.

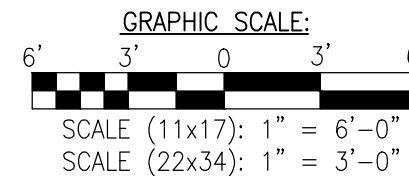
NOTES:
CONTRACTOR TO GROUND ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

NOTE:
INFINIGY ENGINEERING HAS NOT CONDUCTED AN ELECTRICAL LOAD STUDY FOR THIS SITE. CONTRACTOR IS TO VERIFY EXISTING ELECTRICAL LOADS PRIOR TO CONSTRUCTION TO ENSURE THERE IS AMPLE SERVICE AVAILABLE TO ACCOMMODATE THE EXISTING AND PROPOSED EQUIPMENT.

SYMBOL	
⊗	COPPER GROUND ROD
▶	CONNECT PER MANUFACTURER SPECS
■	CADWELD CONNECTION
●	MECHANICAL CONNECTION
—	GROUND BAR
---	ELECTRICAL CONDUIT
---	GROUND WIRE
---	DC/FIBER LINE



1 DETAILED SITE LAYOUT
SCALE: 1" = 6'



GENERAL GROUNDING NOTES:

- TO ENSURE PROPER BONDING, ALL CONNECTIONS SHALL BE AS FOLLOWS:
 - #2 AWG BARE TINNED SOLID COPPER CONDUCTOR: CADWELD TO RODS OR GROUND RING
 - LUGS AND BUS BAR (UNLESS NOTED OTHERWISE): SANDED CLEAN, COATED WITH OXIDE INHIBITOR AND BOLTED FOR MAXIMUM SURFACE CONTACT. ALL LUGS SHALL BE COPPER (NO ALUMINUM SHALL BE PERMITTED). PROVIDE LOCK WASHERS FOR ALL MECHANICAL CONNECTIONS FOR GROUND CONDUCTORS. USE STAINLESS STEEL HARDWARE THROUGHOUT.
- ALL GROUNDING CABLE IN CONCRETE OR THROUGH WALLS SHALL BE IN 3/4" PVC CONDUIT. SEAL AROUND CONDUIT THROUGH WALLS. NO METALLIC CONDUIT SHALL BE USED FOR GROUNDING CONDUCTORS.
- OWNER'S REPRESENTATIVE WILL INSPECT CADWELDS AND CONDUCT MEGGER TEST PRIOR TO BURIAL. MAXIMUM 5 OHMS RESISTANCE IS REQUIRED.
- DO NOT INSTALL GROUND RING OUTSIDE OF LEASED AREA.
- MAKE ALL GROUND CONNECTIONS AS SHORT AND DIRECT AS POSSIBLE. AVOID SHARP BENDS. ALL BENDS SHALL BE A MINIMUM 8" RADIUS AND NO GREATER THAN 90 DEGREES.
- ALL CADWELDS TO BURIED GROUND RING SHALL BE THE PARALLEL TYPE, EXCEPT FOR THE GROUND RODS WHICH SHALL BE THE TEE TYPE.
- BOND SERVICE CONDUITS TO GROUND RING AS THEY CROSS. DO NOT EXOTHERMICALLY WELD TO CONDUITS.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHEN THE GROUNDING SYSTEM IS COMPLETE. THE CONSTRUCTION MANAGER SHALL INSPECT THE GROUNDING SYSTEM PRIOR TO BACKFILLING.
- THE MINIMUM SPACING BETWEEN GROUND RODS SHALL BE 10'-0" (MAX. 15'-0").
- BOND CIGBE TO EXTERNAL GROUND RING WITH 2 RUNS OF #2 BARE, TINNED, SOLID COPPER CONDUCTOR IN PVC. CONNECT BAR END WITH 2 HOLE LUG, AND "CADWELD" THE OTHER END TO THE EXTERNAL GROUND ROD.
- THE PREFERRED LOCATION FOR COAX GROUNDING IS AT THE BASE OF THE TOWER PRIOR TO THE COAX BEND. BONDING IS SHOWN ON THE ICE BRIDGE DUE TO DIFFICULTY WITH WELDING OR ATTACHING TO TOWER LEGS. CONTRACTOR SHALL ADVISE CONSTRUCTION MANAGER PRIOR TO PLACING CIGBE ON ICE BRIDGE IF MOUNTING TO TOWER LEG IS POSSIBLE.
- BONDING OF THE GROUNDED CONDUCTOR (NEUTRAL) AND THE GROUNDING CONDUCTOR SHALL BE AT THE SERVICE DISCONNECTING MEANS. BONDING JUMPER SHALL BE INSTALLED PER N.E.C. ARTICLE 250-30.



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Checked: AJR Date: 03/19/21

Project Number 1154-Z0001

Project Title
INLET
88 LIMEKILN ROAD
INLET, NY 13360



Drawing Title
**T-MOBILE EQUIPMENT
GROUNDING LAYOUT**

Drawing Scale:
CD
Date:
12/28/21

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Visual Assessment Report



Proposed 90-foot
and 95'
Monopine Towers

Inlet

88 Limekiln Road
Inlet, NY 13360

Prepared For:

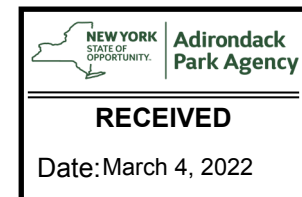
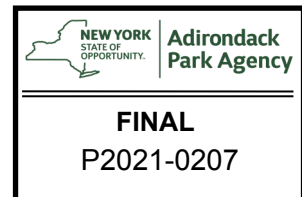
Tarpon Towers II, LLC

*1001 3rd Avenue West, Suite 420
Bradenton, FL 34205*

Prepared By:

INFINIGY Design.
Build.
Deliver.

*1033 Watervliet Shaker Road
Albany, NY 12205*



Site Report Issued:
Site Report Revised:

December 27, 2021
January 28, 2022

PROJECT SUMMARY

This Visual Assessment Report is based on the New York State Adirondack Park Agency Notice of Incomplete Permit Application APA Project No. 2021-0207 dated October 29, 2021, comments regarding the Visual Assessment of this site. Based on those comments, Tarpon Towers is currently proposing two monopine-style telecommunications towers at 90-feet and 95-feet, and facility to be located on the property at 88 Limekiln Road, Inlet, New York (Appendix A – Site Location Map). Infinigy Solutions, LLC (*Infinigy*) was retained by Tarpon Towers to conduct a Visual Assessment Report encompassing a five-mile radius (Study Area) from the proposed project site known as Inlet.

The proposed project includes the installation of a 90-foot and a 95-foot monopine-style telecommunications towers within a 3,985 square foot Tarpon Tower lease area with a 25-foot access and utility easement with a 12-foot wide access drive 1130+/- feet within lands of Sauer and an existing access road on lands of Corasanti a 30' access and utility easement 3010+/- feet to the location of an existing 8-foot wide access road to be improved to a 12-foot wide access Drive within the proposed 30-foot access and utility easement 830+/- feet on property currently owned by the David Corasanti, and being utilized as vacant land on the parent parcel of land identified as Tax Parcel Map 59.000-3-4.112 on the Town of Inlet Tax Map. The parent parcel is located at 88 Limekiln Road in the Town of Inlet, Hamilton County, New York and consists of approximately ±167 acres of land zoned as vacant land. The coordinates for the proposed monopine towers are as follows: Tower #1 90-foot tower 43° 44' 21.5" N, 74° 48' 03.1" W and Tower #2 95-foot tower 43° 44' 21.7" N, 74° 48' 03.9" W. For the purposes of this report, the Subject Property is limited to the proposed Tarpon Tower compound area. The Subject Property is located at an elevation of approximately 2,004 feet above mean sea level (AMSL).

PROJECT SITE SETTING

The parent parcel consists of an approximately ±167-acre parcel of land located along the westerly side of Limekiln Road, approximately 0.97 miles southwesterly of the intersection of Route 28 and Limekiln Road.

The Subject Property is generally characterized as a large, wooded parcel. The parcel is heavily wooded with some previously cleared areas. A Site Location Map is included in Appendix A.

Land use within the area surrounding the parent parcel is a mixture of undeveloped wooded land and sparse residential and commercial properties. The existing vegetative cover within the Study Area can be described as a combination of sparse residential and commercial properties, and tree covered mountain areas and several lakes. The majority of the parcel and surrounding parcels are wooded with heavy tree covering around the Subject Property. Surrounding parcels include a lumber yard, residential/seasonal residential homes and a restaurant.

METHODOLOGY

To evaluate the visibility of the proposed facility, *Infinigy* conducted a field investigation known as a “balloon float”. During the balloon float, a thorough drive-through field investigation of the Study Area was completed to identify publicly accessible areas within a five-mile radius from where the proposed tower would potentially be visible. The Study Area conditions such as ground cover and topography were also evaluated during the field investigation.

STUDY AREA FIELD INVESTIGATION & BALLOON FLOAT

On January 31, 2020, during the course of the balloon float, *Infinigy* conducted a field investigation of the Study Area to evaluate potential visibility of the proposed facility. The tower center being 43°-44’-26.2” N, -74°-47’-48.5” W. This float was conducted by Alexander Weller, Project Manager for *Infinigy* and Daniel Schweigard an independent contractor hired by *Infinigy*. The float consisted of floating a red blimp balloon at a height of 110’ AGL. The balloon was risen at sunrise at approximately 7:54 AM and was up until 1:30 PM. Daniel Schweigard manned the balloon during the float and Alexander Weller drove around to all the necessary spots and took notes and photos. In attendance for this float was Ariel Lynch, Environmental Program Specialist 2 from NYS Adirondack Park Agency.

Note: In preparation of the photo simulations of the twin monopines, 3D modeling software based on 3D terrain analysis was used to accurately adjust the coordinates from the original location of the balloon test to the coordinates for the tower centers of each of the twin monopines. A 3D model of the proposed twin monopines was then virtually constructed based on the tower center coordinates for each monopine. Virtual cameras were then set up in the 3D model using the coordinates of the viewpoints from which photographs were taken in the field to render the photo simulations of the twin monopines at their proposed locations.

The site access trail was unmarked, but well used so the tower center was found with only slight difficulty. The trail can be walked, or with the use of an ATV in the summer or snowmobile in the winter. There is a gate at the back of the truck yard that is unlocked.

PHOTOGRAPHIC EVALUATION LOG

In an effort to further define and evaluate the potential visibility of the proposed structure, *Infinigy* personnel conducted a drive-through reconnaissance survey throughout the Study Area during the field investigation. Photographs were taken from a variety of locations, settings and vantage points to document the visibility of the balloons, taking into consideration factors such as visibility above and below the tree canopy.

Photographs of the balloon from the locations summarized in the table below were taken with a Sony SLT Alpha A55 16.2 Megapixel camera which has a Sony Lens focal length equivalent to a 35 mm camera with 18 to 250 mm zoom (we have accounted for the conversion when taking and labeling the photos). The geographic coordinate data of each location has been plotted on a Photo Location Map and (Appendix B).

PHOTOGRAPHIC LOG FOR PHOTO SIMULATIONS

Photo Location #	Date of Photo	Focal Length	View Direction (direction looking from photo location to site)	Location	Coordinates	Elevation
1	9/5/2010	85 mm	SE	View from Limekiln Road Southeast of site	N 43°-44'-4.58" W -74°-47'-18.68"	1840 Feet
2	1/31/20	85 mm	NE	View from Route 28 approximately 4,400' Northeast of site	N 43°-44'-56.85" W -74°-47'-28.27"	1712 Feet
3	1/31/20	85 mm	N	View from Woods Inn Drive approximately .086 miles North of site	N 43°-45'-9.94" W -74°-47'-39.16"	1726 Feet
4	1/31/20	85 mm	E	View from Seventh Lake boat launch approximately 3.8 miles East of site	N 43°-44'-39.22" W -74°-43'-30.10"	1785 Feet
5	1/31/20	85 mm	E/NE	View from Seventh Lake approximately 3.7miles East-Northeast of site	N 43°-44'-55.18" W -74°-43'-42.17"	1783 Feet
6	1/31/20	85 mm	E/NE	View from Seventh Lake approximately 2.9 miles East-Northeast of site	N 43°-44'-42.68" W -74°-44'-32.83"	1783 Feet
7	1/31/20	85 mm	E/NE	View from Seventh Lake approximately 2.54 miles East-Northeast of site	N 43°-44'-43.02" W -74°-44'-58.89"	1783 Feet
8	1/31/20	85 mm	E	View from NY Route 28 approximately 3.4 miles East of site	N 43°-44'-19.8539" W -74°-43'-	1882 Feet
9	1/31/20	85 mm	E/NE	View from Sixth Lake approximately 1.94 miles East-Northeast of Site	N 43°-44'-52.817" W -74°-45'-52.487"	1825 Feet
10	1/31/20	85 mm	E/NE	View from NY Route 28 approximately 0.92 miles East-Northeast of Site – Not Visible	N 43°-44'-33.6829" W -74°-46'-	1844 Feet
11	1/31/20	85 mm	E	View from Inlet Golf Club approximately 0.94 miles East of site	N 43°-44'-30.312" W -74°-46'-42.7739"	1841 Feet
12	1/31/20	85 mm	N	View from Forth Lake approximately 1.51 miles North of site	N 43°-45'-36.81" W -74°-48'-8.40"	1705 Feet
13	1/31/20	85 mm	N	View from Forth Lake approximately 1.17 miles North of site	N 43°-45'-22.787" W -74°-48'-10.2349"	1705 Feet
14	1/31/20	85 mm	N/NE	View from Rocky Mountain overlook approximately 2.05 miles North-Northeast of site	N 43°-46'-7.5899" W -74°-47'-47.3869"	2225 Feet

We have also included in Appendix B a spreadsheet log of all location coordinates of the above photos in addition to the Google Earth diagram showing all photo locations.

PHOTOGRAPHIC SIMULATION METHODOLOGY

The proposed towers is constructed in 3D modeling software according to client specifications, which include variables such as tower height and structure, various antenna design layouts and associated ground equipment. Terrain and aerial imagery are imported from publicly available sources. The proposed towers are then located at the appropriate ground location at the latitude and longitude coordinates provided by the client.

Cameras are then set up within the modeling software using coordinates provided to match locations of field photography. The “virtual camera” view moves the proposed tower to the appropriate distance and elevation relative to the viewer as well as the approximate view to the left or right. Field Photography is subsequently imported into the modeling software to align the proposed tower with the blimp in the image. This is done to more accurately assess the proposed location, as the modeling software assumes the balloon will be centered in the field of view. The proposed towers, now accurately constructed as a 3D model within the software, is exported out of the modeling software using the camera shots created with the “virtual camera” set up to match field photo locations. Using 2D graphics software, the field photography and 3D modeling data are combined, removing data that would not be visible due to tree lines or structures (aerial photography is used to determine locations of obstructions relative to towers) and adding light and shadows.

Infinigy utilizes the location of the balloon as well as the simulation methodology previously discussed to accurately simulate the visual presence the towers will have from that location.

Photographic simulations were generated for fourteen (14) locations within the area of effect above and are included in Appendix C - Photographs and Simulations. The photographic simulations represent an accurately scaled depiction of the proposed monopine style towers.

CONCLUSIONS

As part of Tarpon Tower’s proposed

installation of a 90-foot and a 95-foot monopine-style telecommunications towers and facility at 88 Limekiln Road, Inlet, New York, *Infinigy* conducted a Visual Assessment Report (VAR) encompassing a five-mile radius (Study Area) from the proposed project site. To estimate the visibility of the proposed facility, *Infinigy* conducted a field investigation known as a “balloon float”. During the balloon float, a thorough drive-through field investigation of the Study Area was completed to identify publicly accessible areas within a five-mile radius.

Based upon the field reconnaissance performed during the balloon float, the proposed structures are visible from some locations the photographs were taken at, at publicly accessible areas

located at a distance no greater than five to seven miles of the proposed site.

As described above, the proposed structure is visible from the photographed areas within the established five-mile Study Area.

Upon analyzing the tower location, tower heights and proposed antenna arrays to be installed on the towers, Infinigy has made the determination that there is adequate coverage and faux branching to provide the necessary camouflage needed. The proposed tower locations are to be installed within a number of mature trees, surrounding the towers on all sides. Each proposed and future carrier shall adequately camouflage their array upon installation.

APPENDICES

Appendix A – Site Location Map

Appendix B – Photo Location Map

Appendix C – Photographs & Simulations

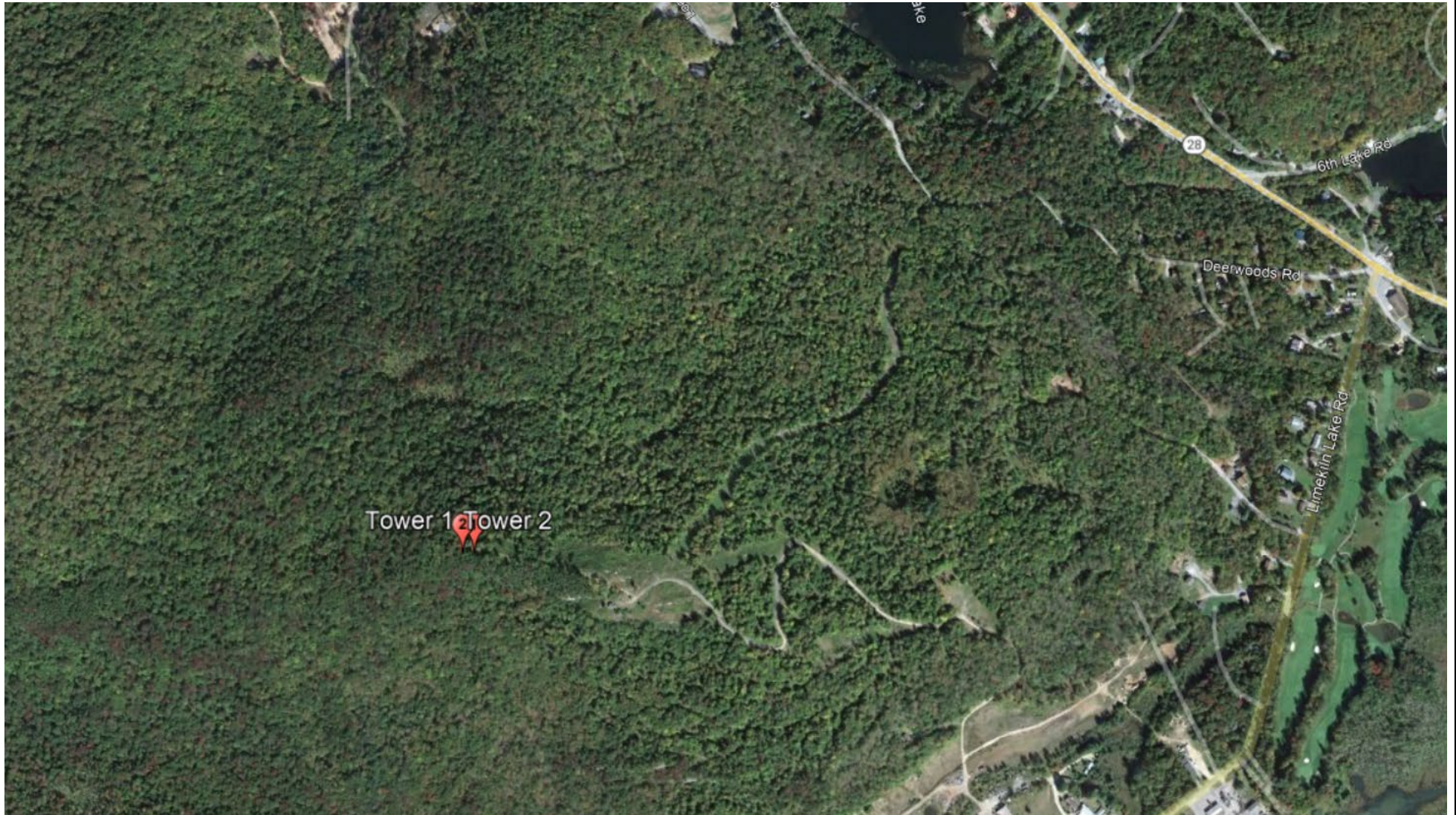
APPENDIX A
SITE LOCATION MAP

CLIENT NAME:
Tarpon Towers

SITE LOCATION:
88 Limekiln Road
Inlet, NY 13360

PROJECT NAME:
Inlet

PROPOSED TOWER:
90' & 95' Monopines







APPENDIX B
PHOTO LOCATION MAP

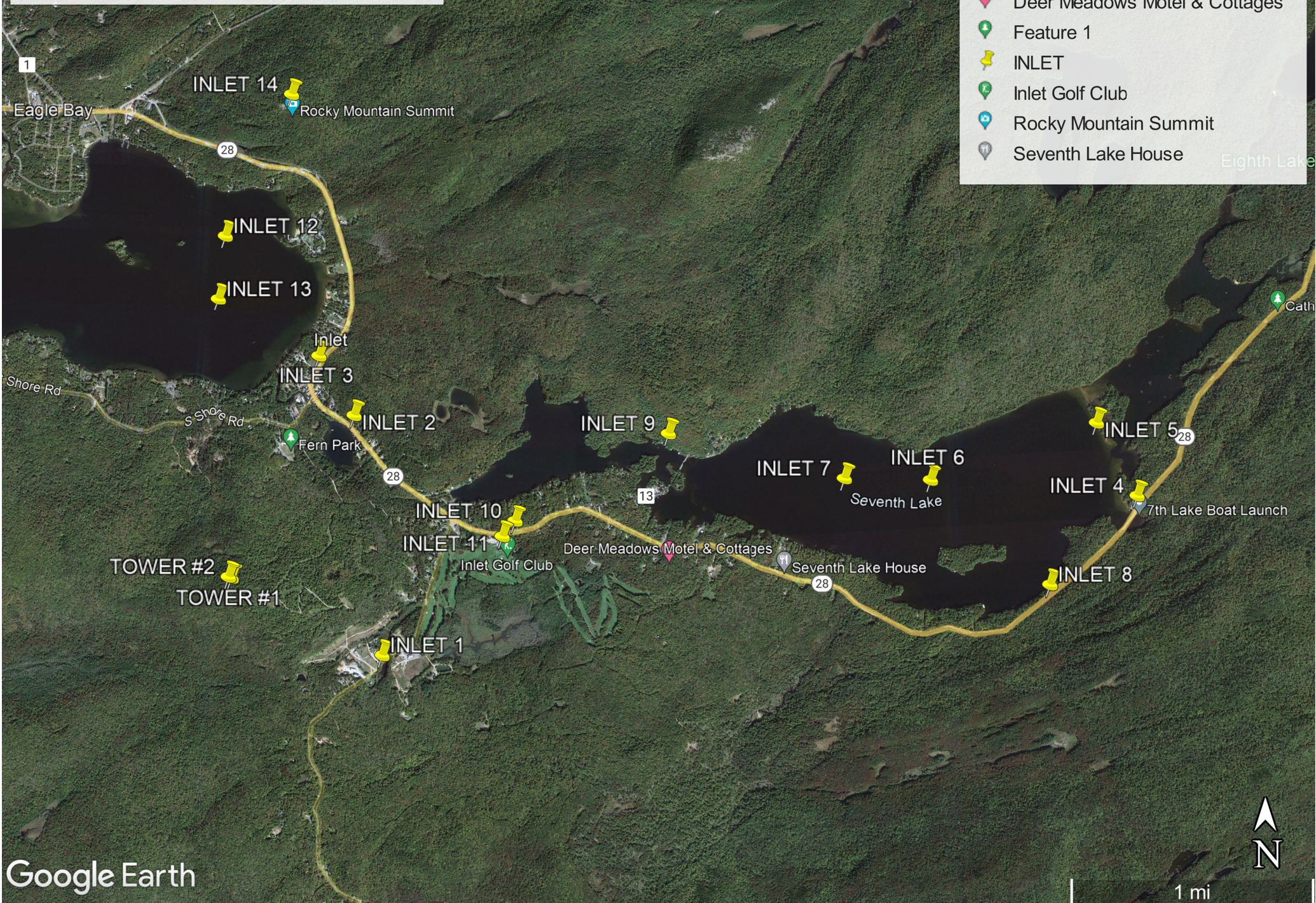
PHOTO #	LAT/LONG
1_(1)	43 44 4.58, -74 47 18.68
1_(2)	43 44 56.85, -74 47 28.27
1_(3)	43 45 9.94, -74 47 39.16
1_(4)	43 44 39.22, -74 43 30.10
1_(5)	43 44 55.18, -74 43 42.17
1_(6)	43 44 42.68, -74 44 32.83
1_(7)	43 44 43.02, -74 44 58.89
1_(8)	43 44 19.8539, -74 43 57.2579
1_(9)	43 44 52.817, -74 45 52.487
1_(10)	43 44 33.6829, -74 46 38.934
1_(11)	43 44 30.312, -74 46 42.7739
1_(12)	43 45 36.81, -74 48 8.40
1_(13)	43 45 22.787, -74 48 10.2349
1_(14)	43 46 7.5899, -74 47 47.3869

TARPON TOWERS - INLET

PHOTOSIMULATION PHOTO LOCATIONS MAP

Legend

-  7th Lake Boat Launch
-  Deer Meadows Motel & Cottages
-  Feature 1
-  INLET
-  Inlet Golf Club
-  Rocky Mountain Summit
-  Seventh Lake House



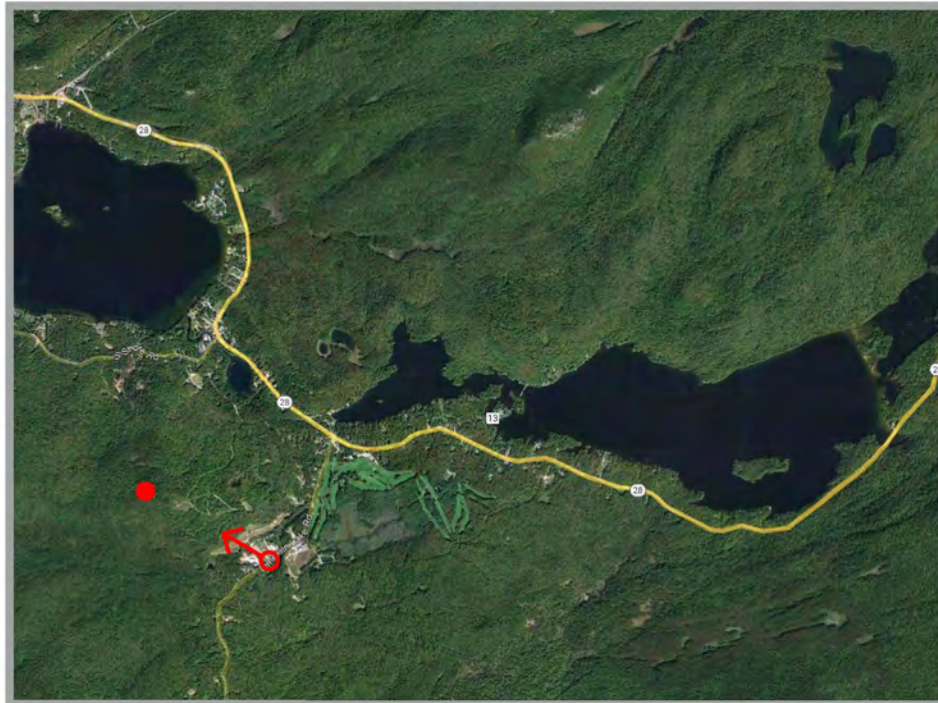
APPENDIX C

PHOTOGRAPHS AND SIMULATIONS

INLET

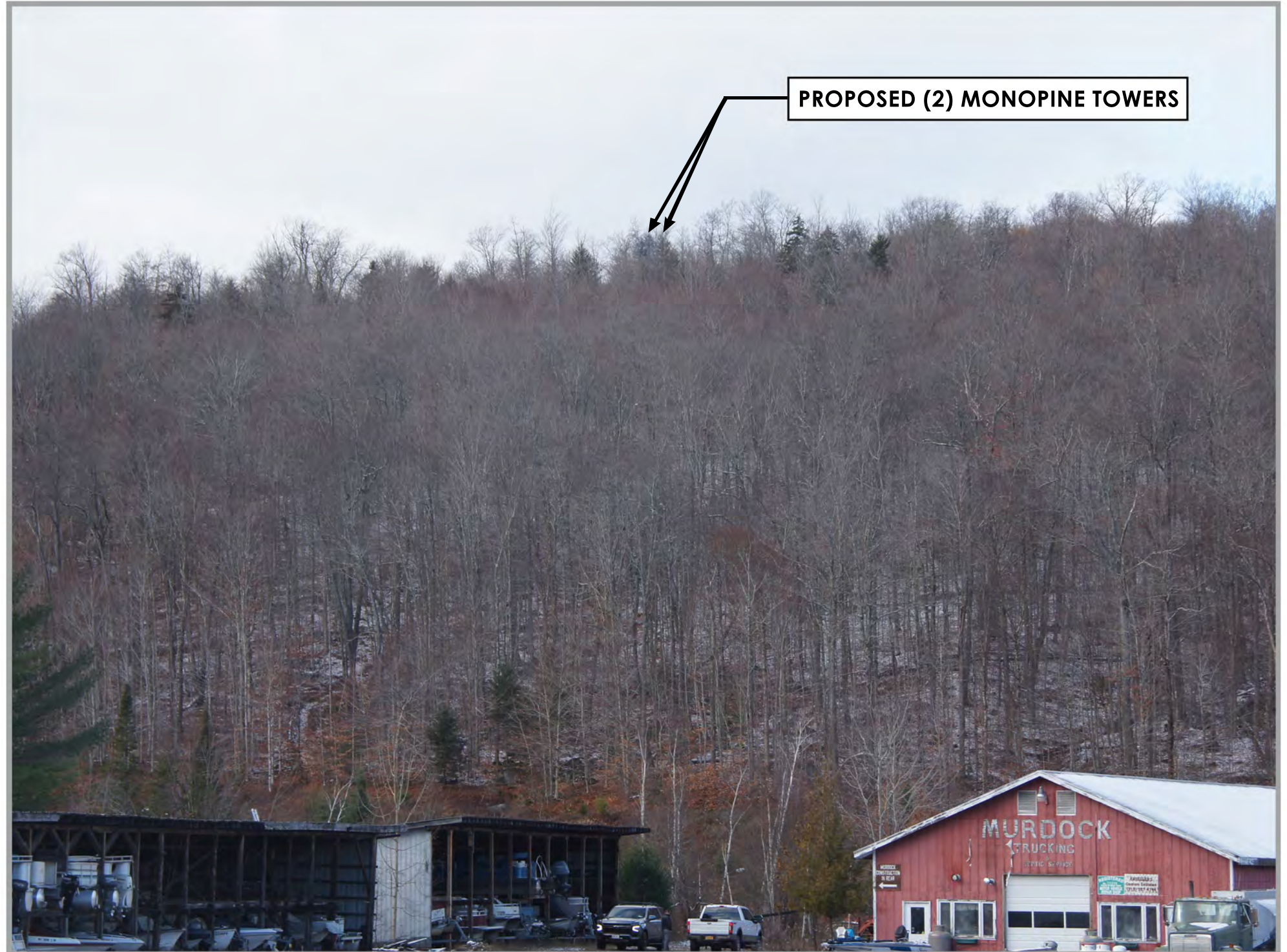
(2) MONOPINE TOWERS

88 LIMEKIN ROAD
INLET, NY 13360



LOCATION

© 2022 Goggle Earth



PROPOSED (2) MONOPINE TOWERS



EXISTING

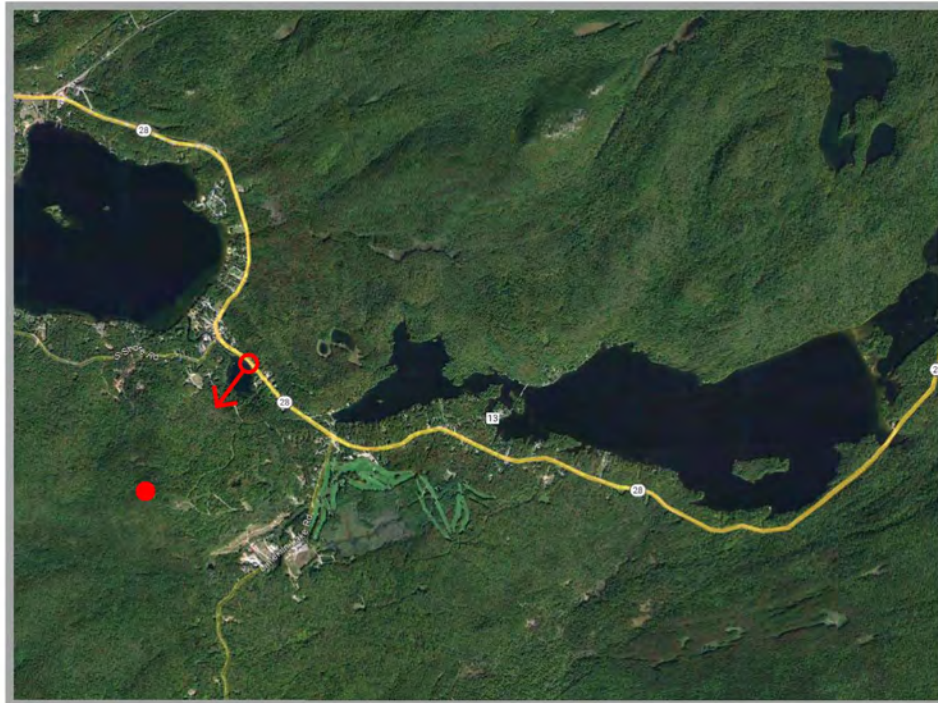
PROPOSED

85MM LENS | VIEW 1 | LOOKING NORTHWEST

INLET

(2) MONOPINE TOWERS

88 LIMEKIN ROAD
INLET, NY 13360



LOCATION

© 2022 Goggle Earth



PROPOSED (2) MONOPINE TOWERS



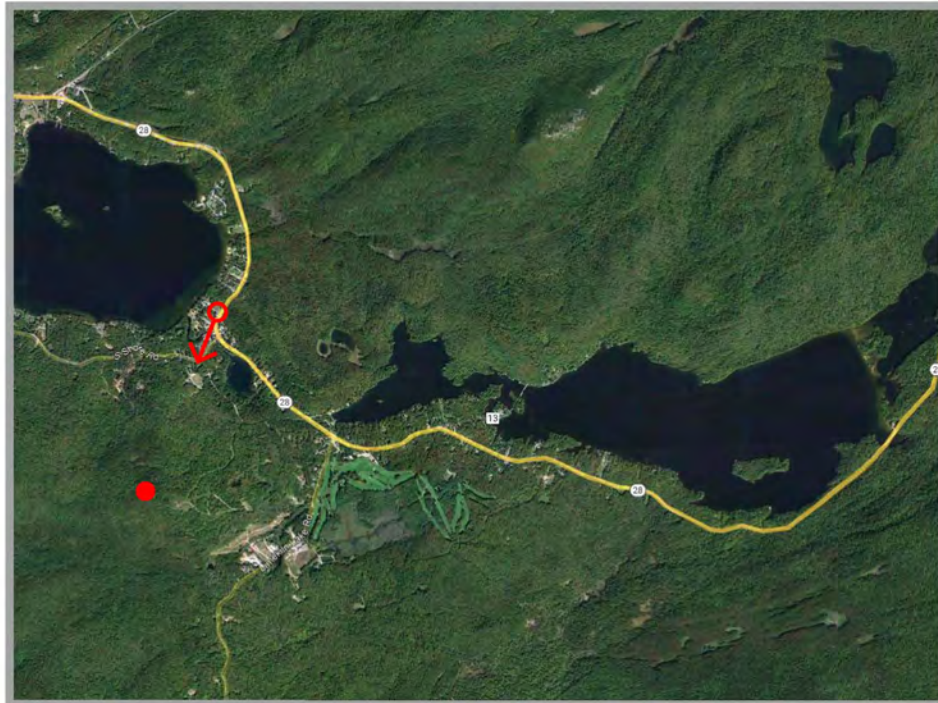
EXISTING

PROPOSED

INLET

(2) MONOPINE TOWERS

88 LIMEKIN ROAD
INLET, NY 13360



LOCATION

© 2022 Google Earth



PROPOSED (2) MONOPINE TOWERS



EXISTING

PROPOSED

85MM LENS | VIEW 3 | LOOKING SOUTHWEST

INLET

(2) MONOPINE TOWERS

88 LIMEKIN ROAD
INLET, NY 13360



LOCATION

© 2022 Goggle Earth



EXISTING

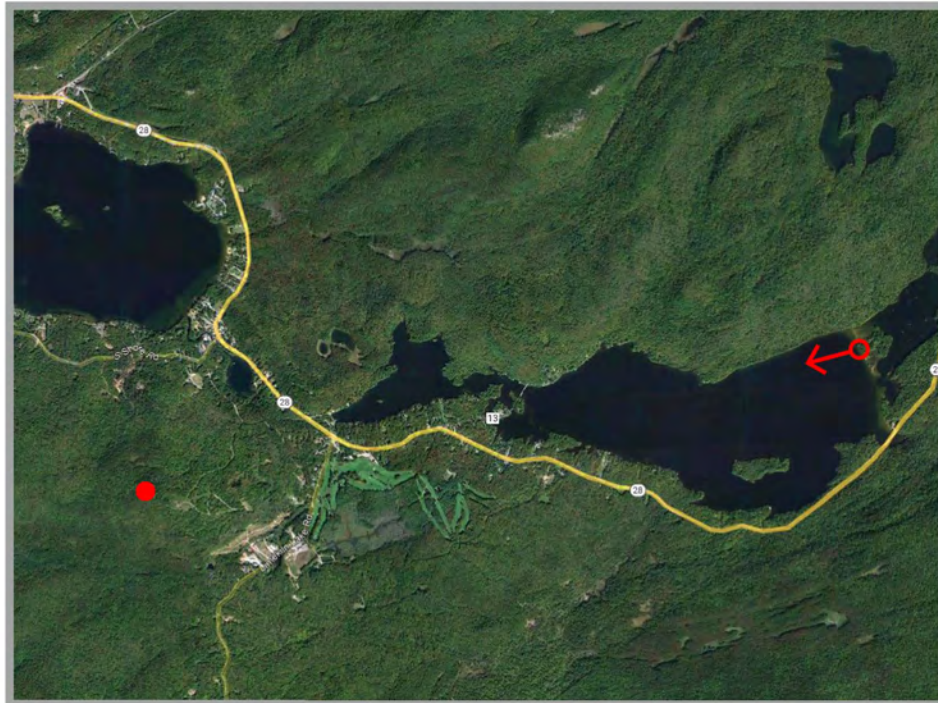
PROPOSED

85MM LENS | VIEW 4 | LOOKING WEST

INLET

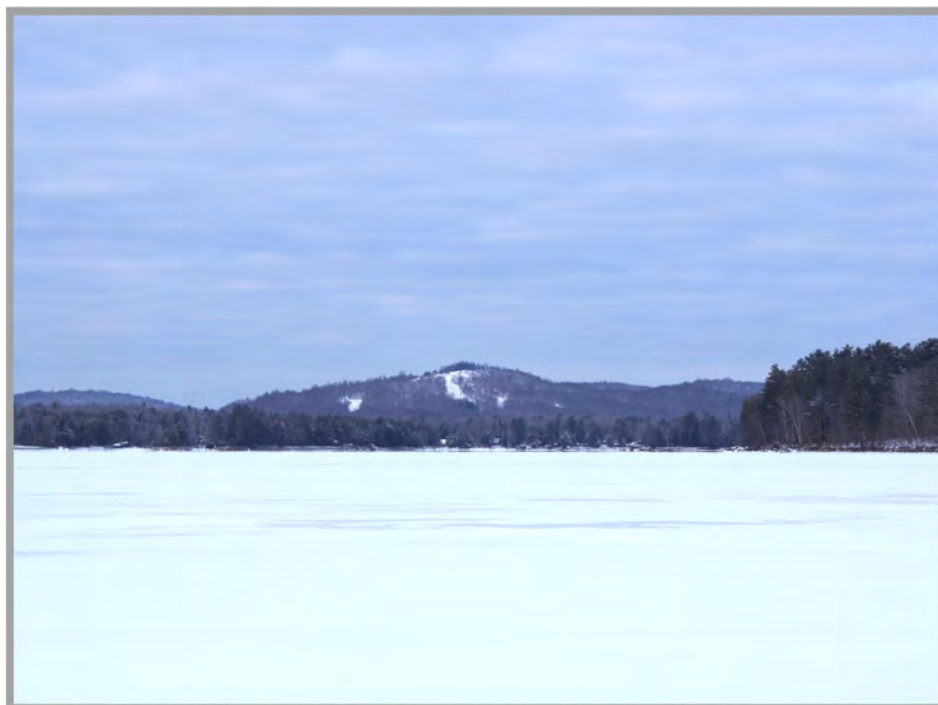
(2) MONOPINE TOWERS

88 LIMEKIN ROAD
INLET, NY 13360

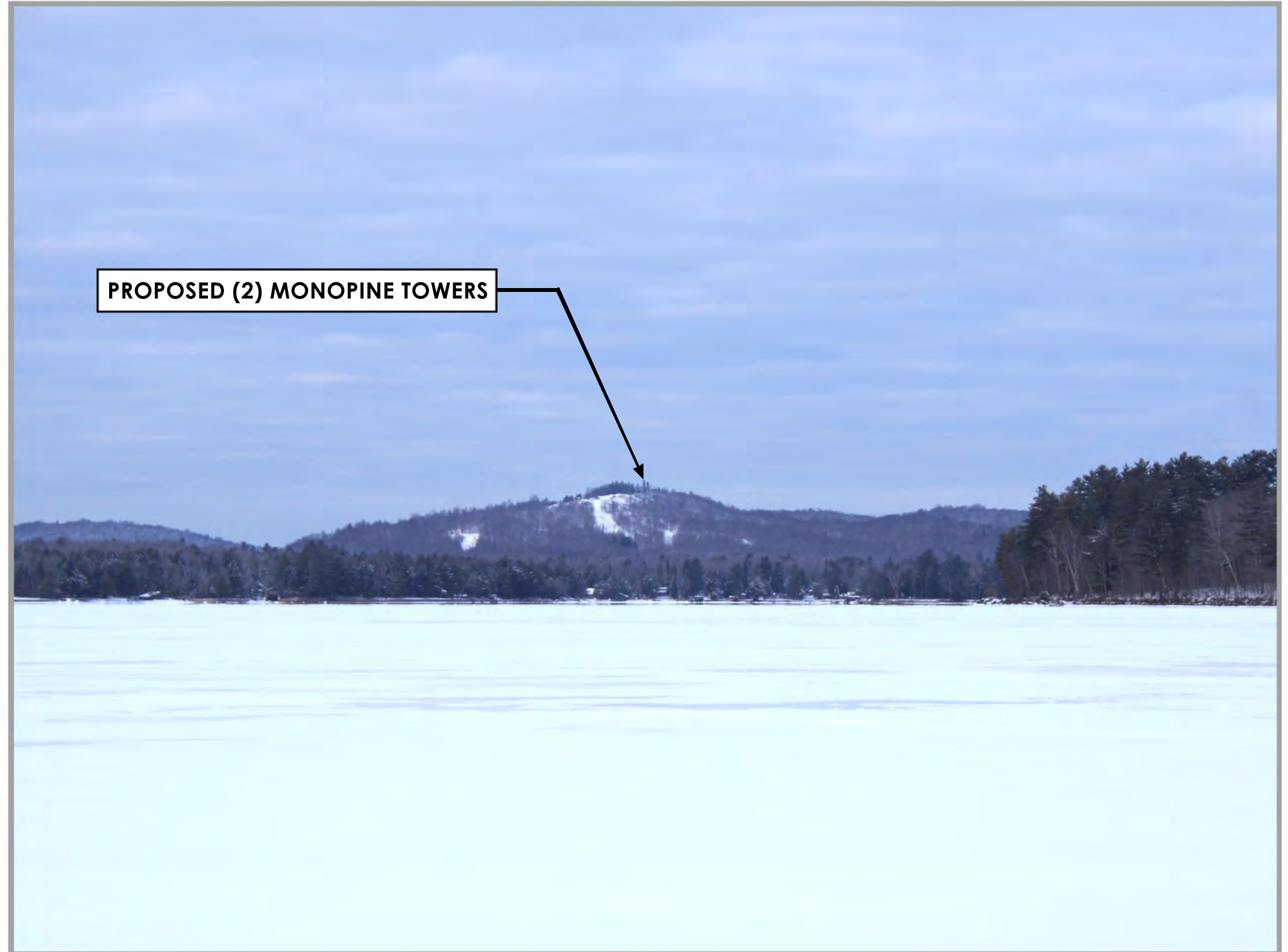


LOCATION

© 2022 Goggle Earth



EXISTING

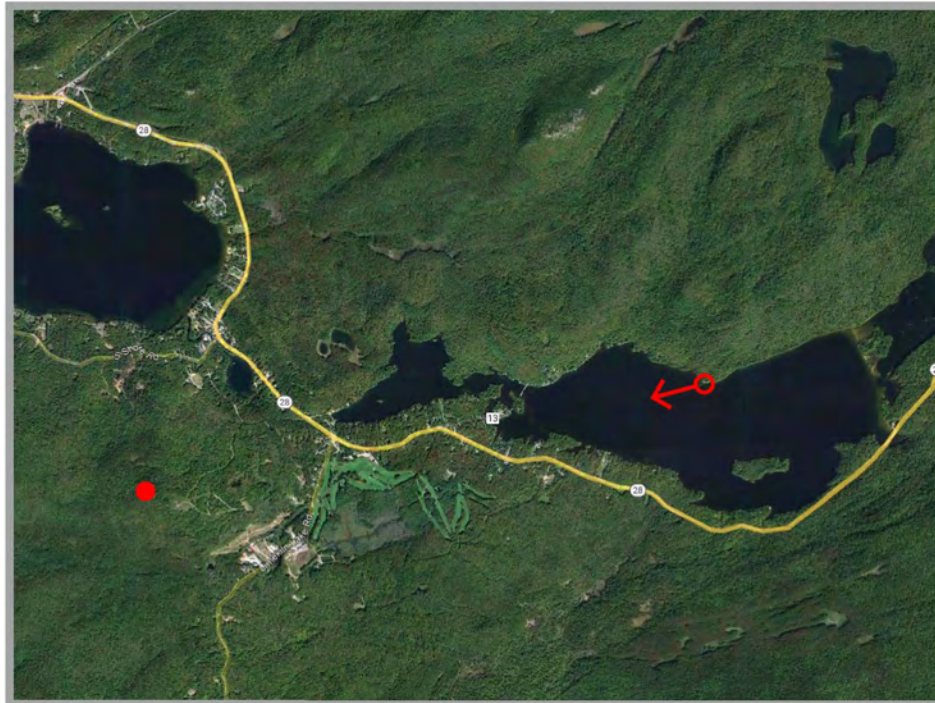


PROPOSED

INLET

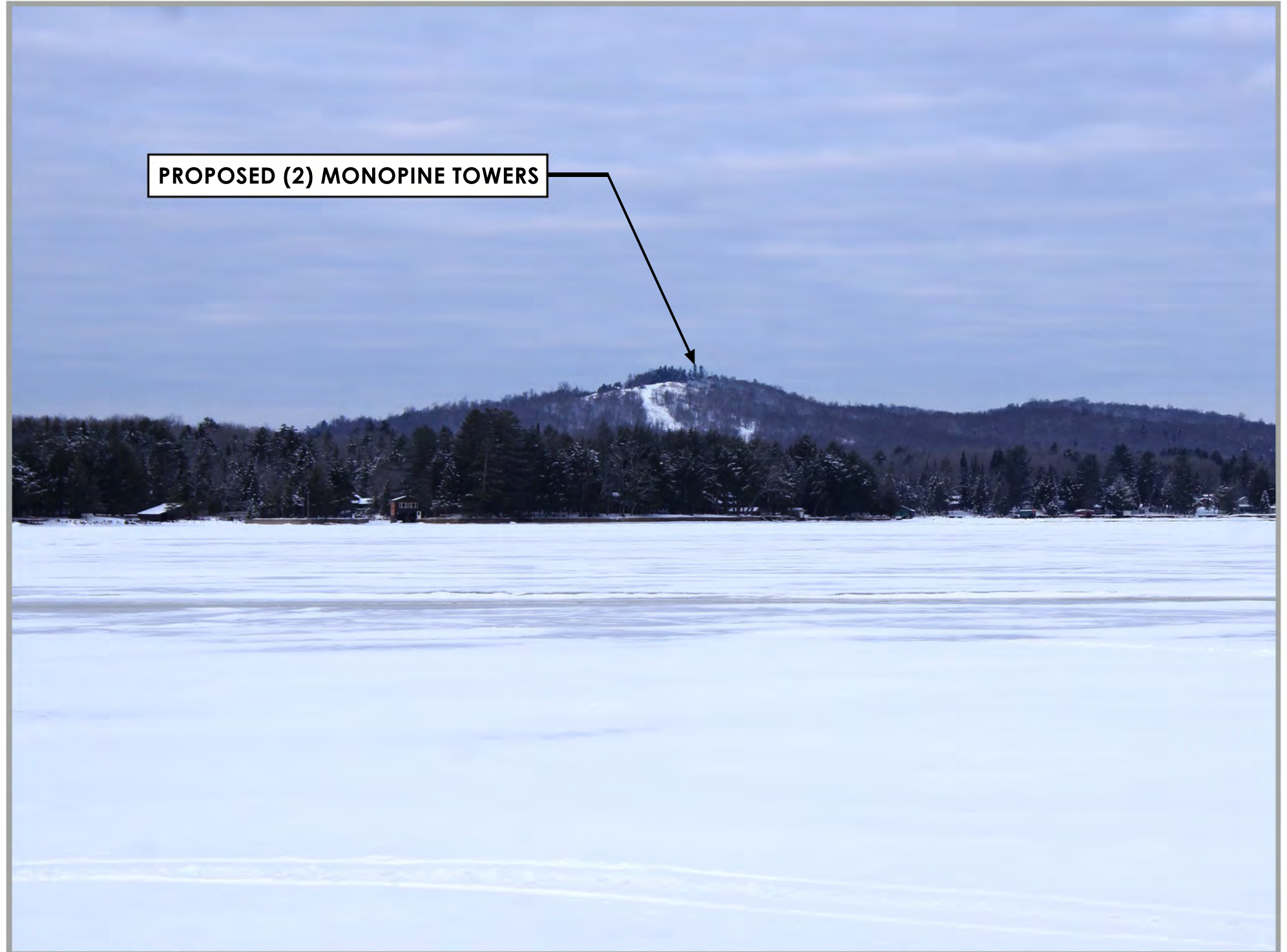
(2) MONOPINE TOWERS

88 LIMEKIN ROAD
INLET, NY 13360



LOCATION

© 2022 Goggle Earth



PROPOSED (2) MONOPINE TOWERS



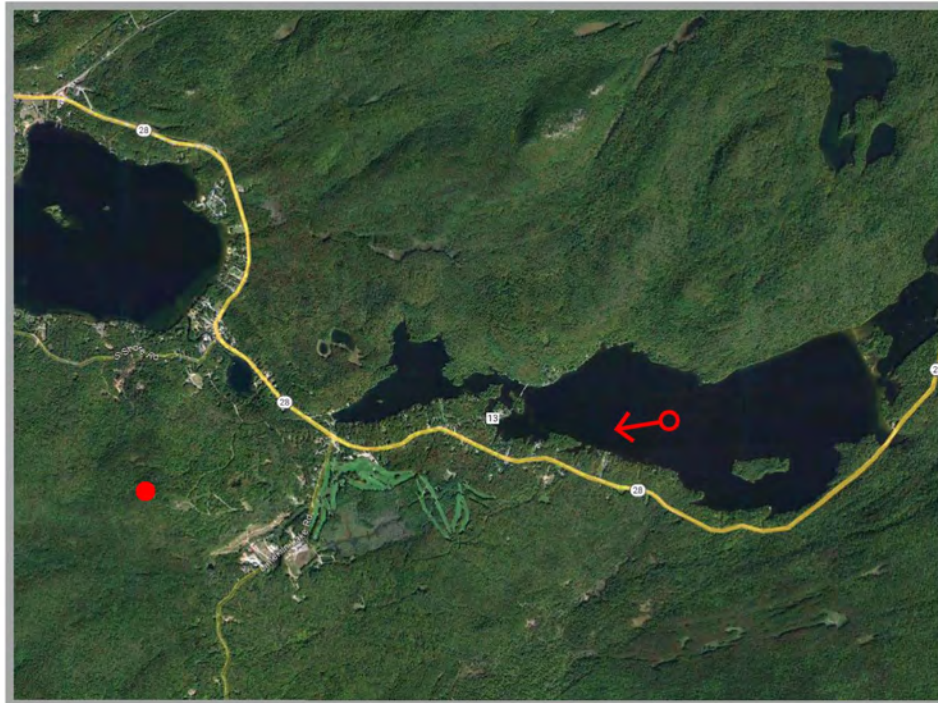
EXISTING

PROPOSED

INLET

(2) MONOPINE TOWERS

88 LIMEKIN ROAD
INLET, NY 13360



LOCATION

© 2022 Goggle Earth



PROPOSED (2) MONOPINE TOWERS



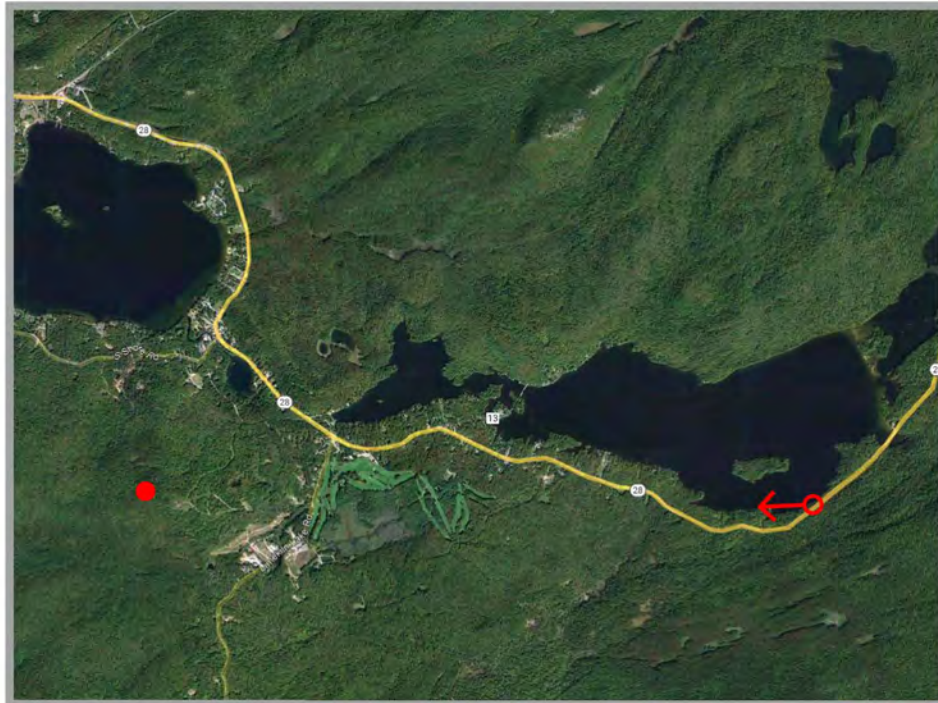
EXISTING

PROPOSED

INLET

(2) MONOPINE TOWERS

88 LIMEKIN ROAD
INLET, NY 13360



LOCATION

© 2022 Goggle Earth



EXISTING



PROPOSED (2) MONOPINE TOWERS

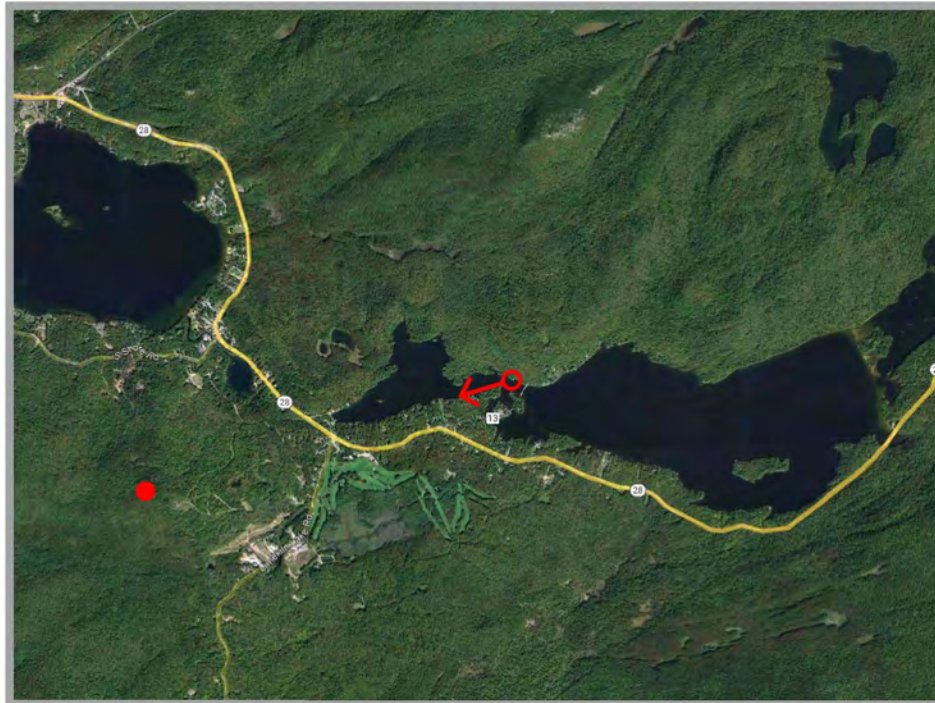
PROPOSED

85MM LENS | VIEW 8 | LOOKING WEST

INLET

(2) MONOPINE TOWERS

88 LIMEKIN ROAD
INLET, NY 13360

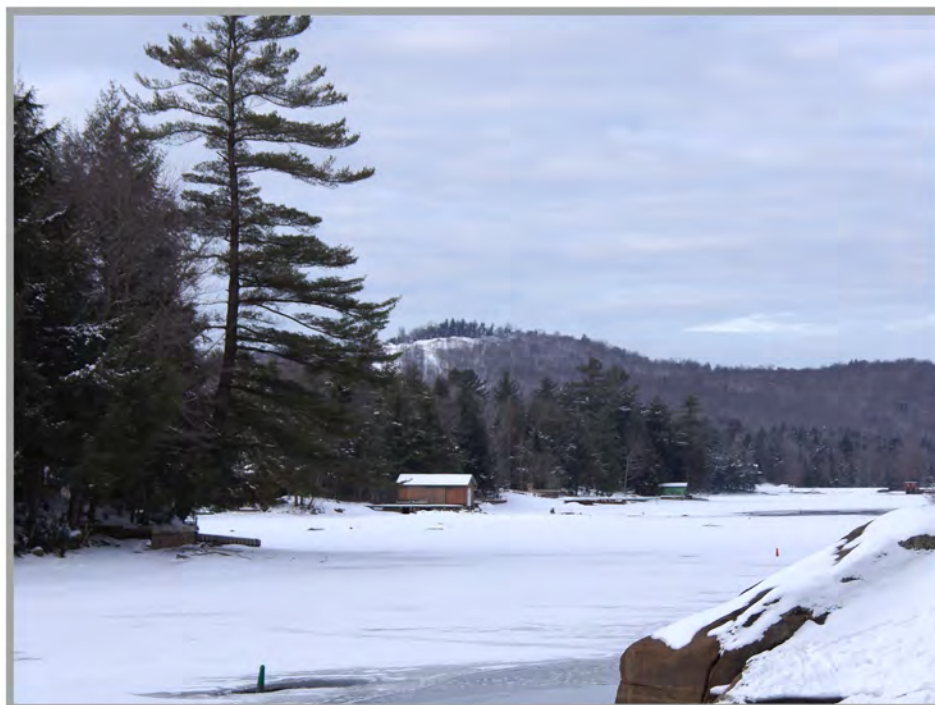


LOCATION

© 2022 Goggle Earth



PROPOSED (2) MONOPINE TOWERS



EXISTING

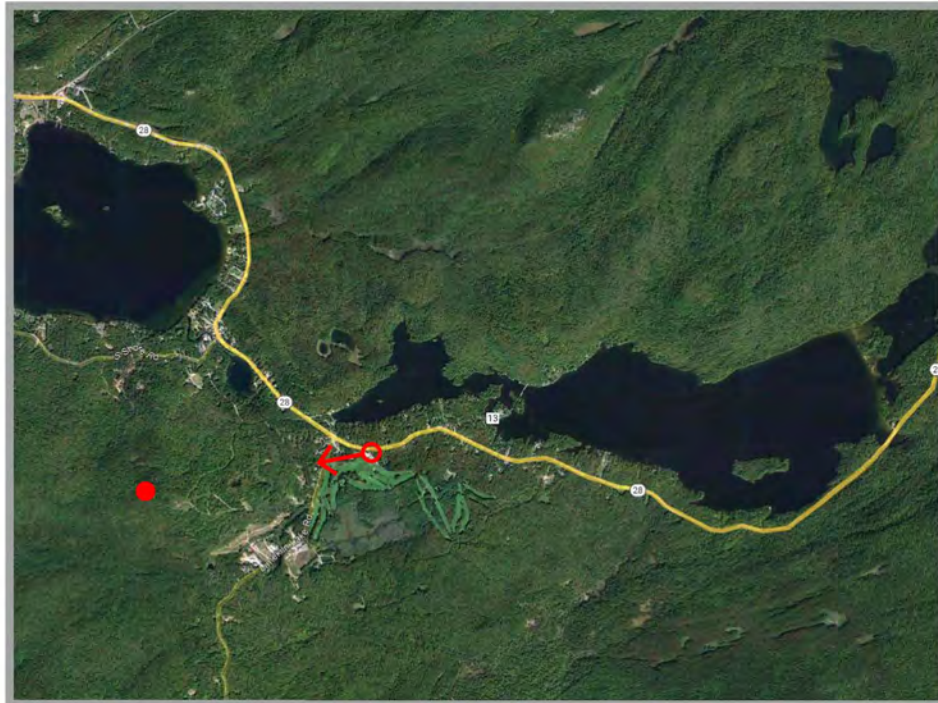
PROPOSED

85MM LENS | VIEW 9 | LOOKING SOUTHWEST

INLET

(2) MONOPINE TOWERS

88 LIMEKIN ROAD
INLET, NY 13360



LOCATION

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PROPOSED (2) MONOPINE TOWERS



EXISTING

PROPOSED

85MM LENS | VIEW 10 | LOOKING WEST

INLET

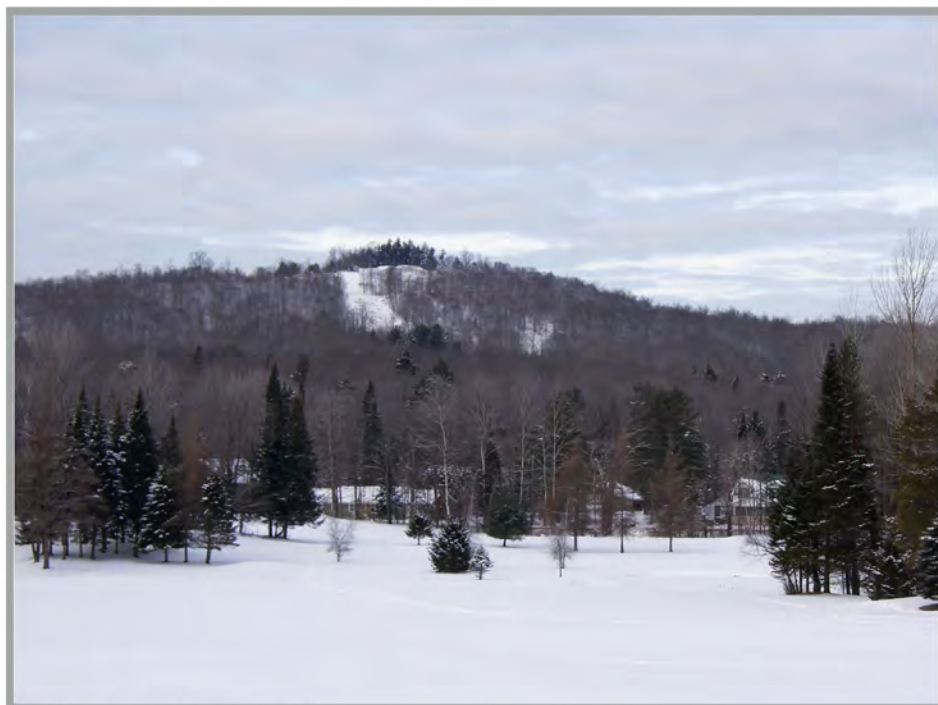
(2) MONOPINE TOWERS

88 LIMEKIN ROAD
INLET, NY 13360

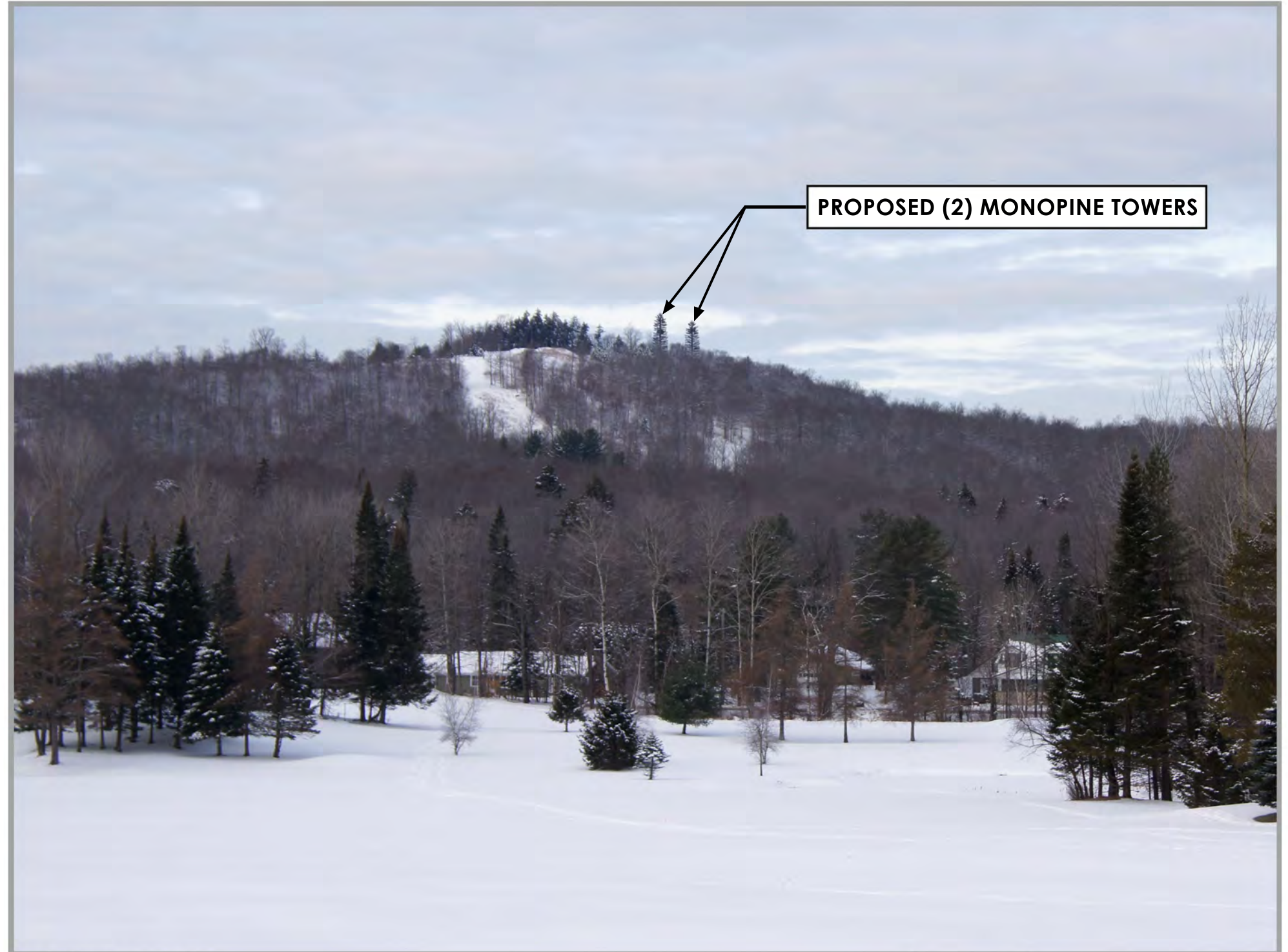


LOCATION

© 2022 Goggle Earth



EXISTING



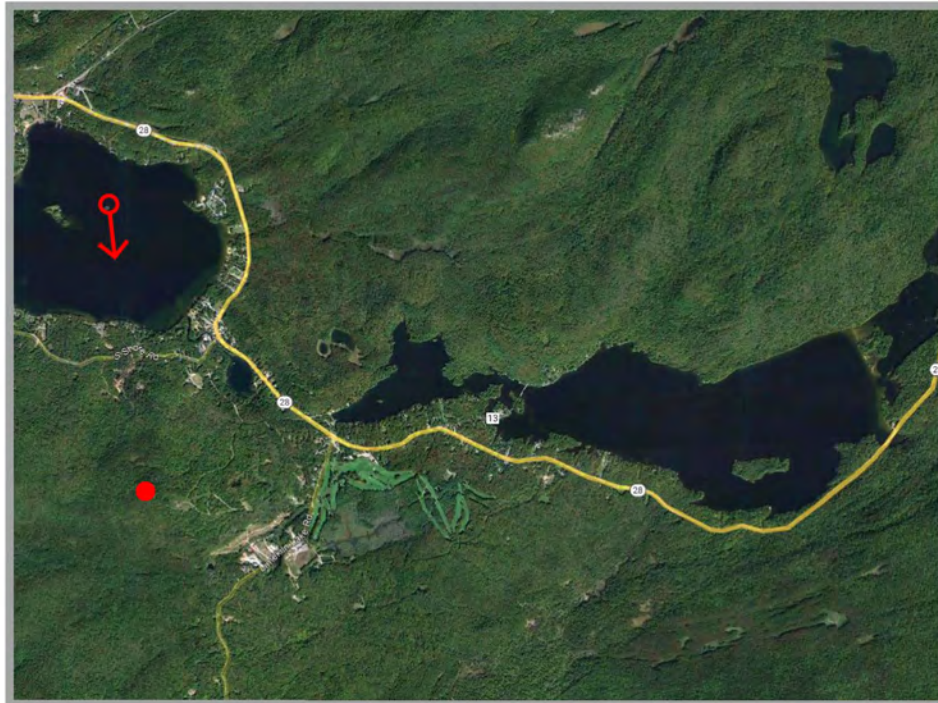
PROPOSED

85MM LENS | VIEW 11 | LOOKING WEST

INLET

(2) MONOPINE TOWERS

88 LIMEKIN ROAD
INLET, NY 13360



LOCATION

© 2022 Goggle Earth



EXISTING



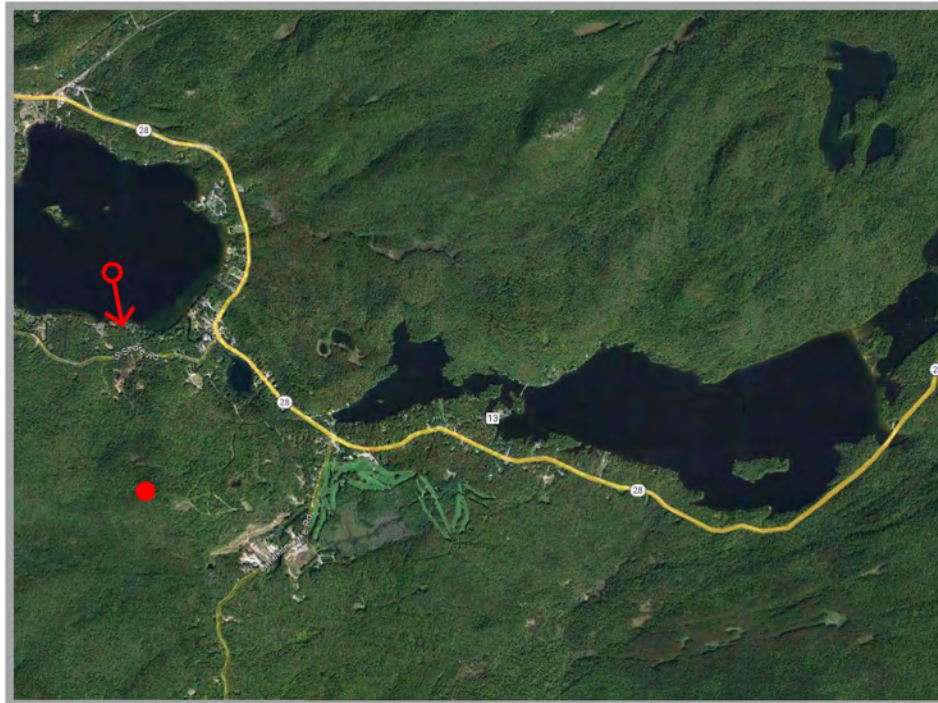
PROPOSED

85MM LENS | VIEW 12 | LOOKING SOUTH

INLET

(2) MONOPINE TOWERS

88 LIMEKIN ROAD
INLET, NY 13360



LOCATION

© 2022 Goggle Earth



EXISTING



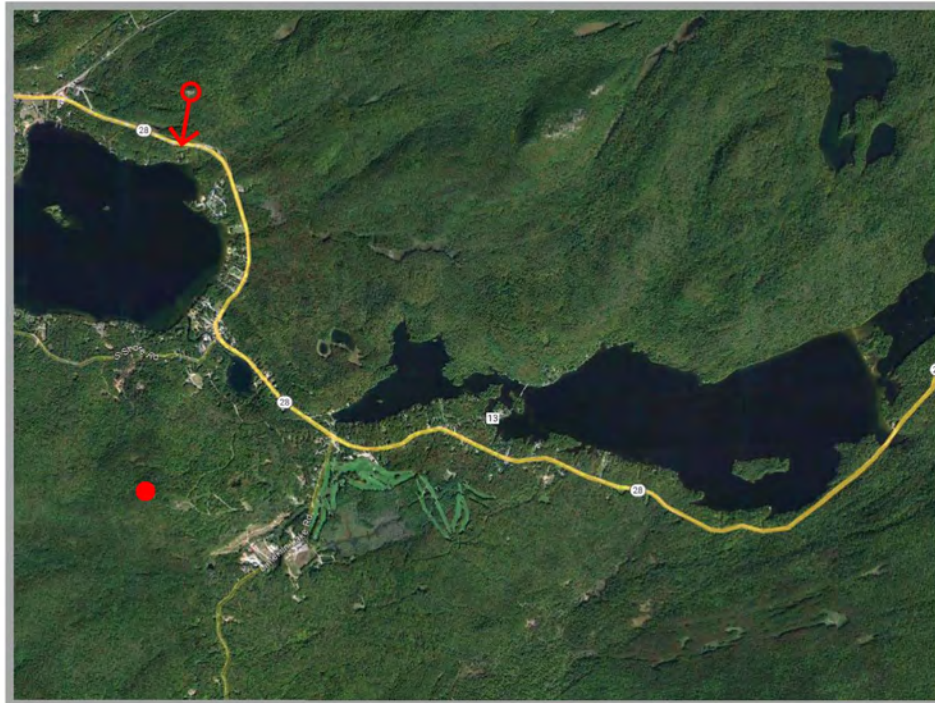
PROPOSED

85MM LENS | VIEW 13 | LOOKING SOUTH

INLET

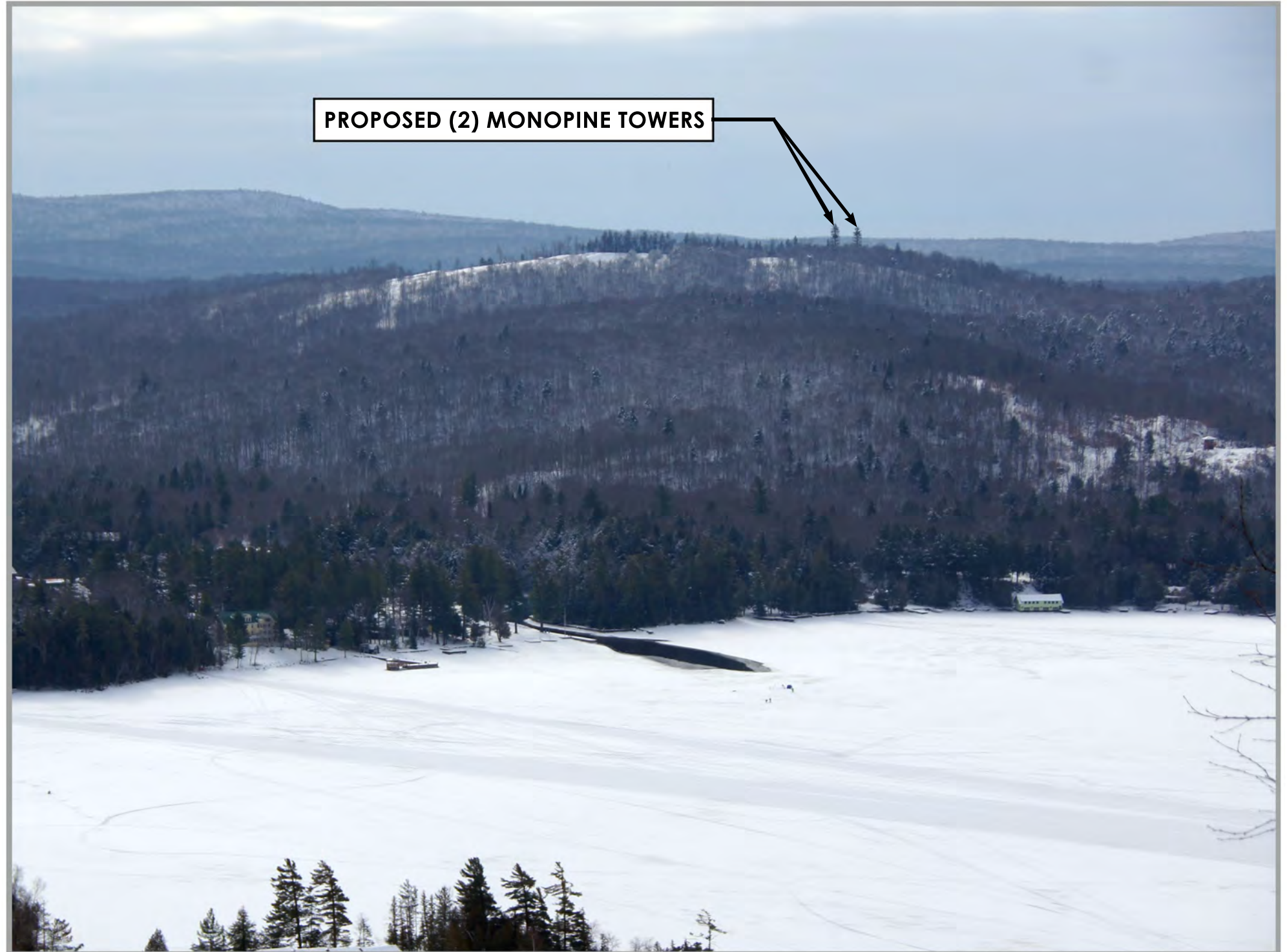
(2) MONOPINE TOWERS

88 LIMEKIN ROAD
INLET, NY 13360

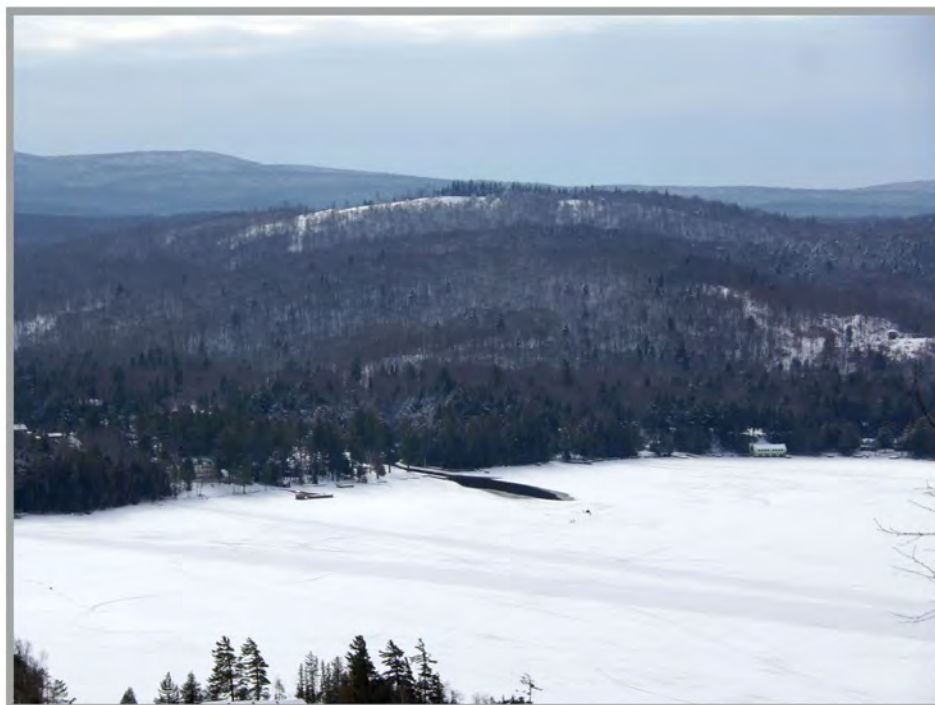


LOCATION

© 2022 Goggle Earth



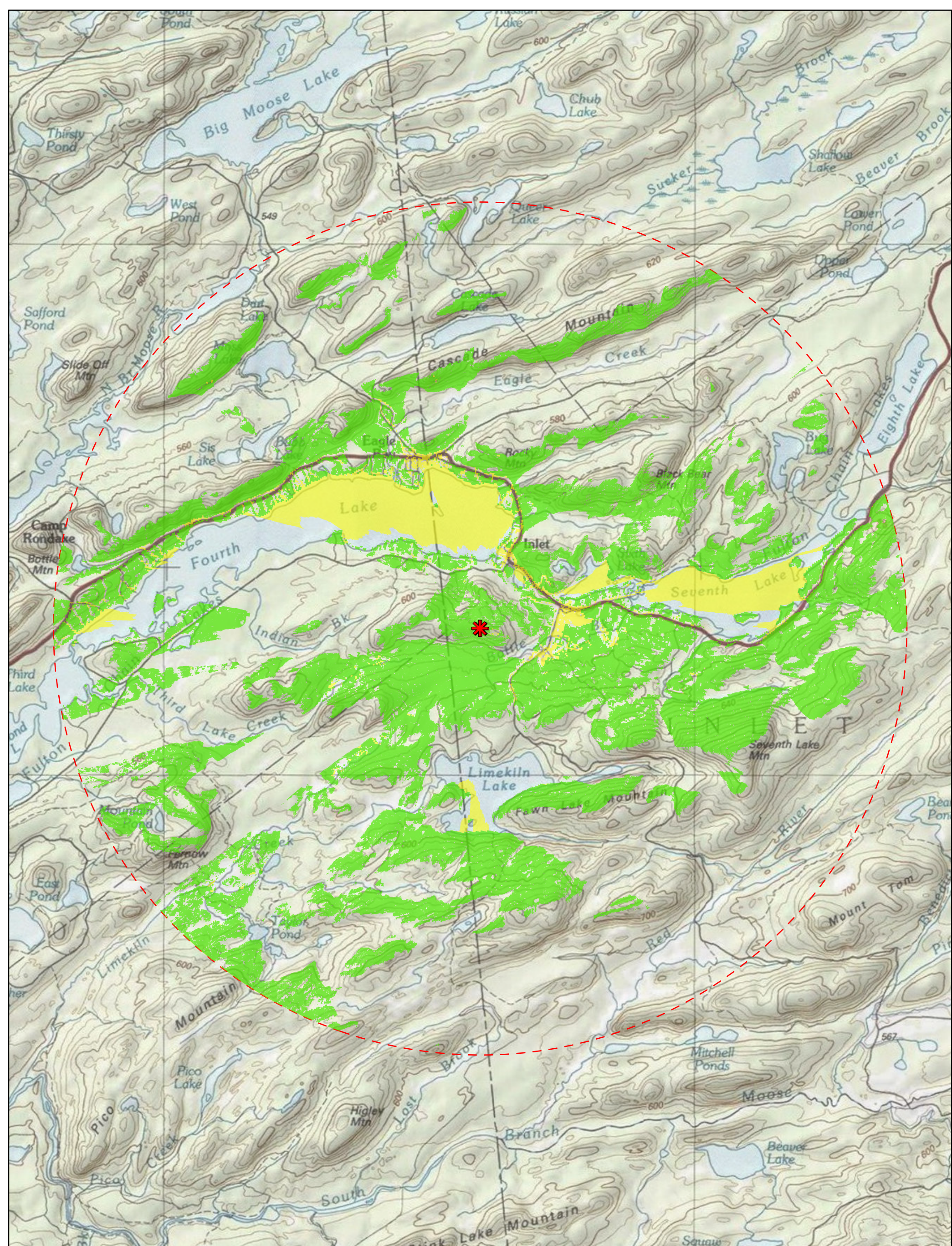
PROPOSED (2) MONOPINE TOWERS



EXISTING

PROPOSED

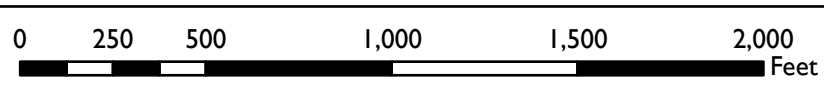
APPENDIX D
VIEWSHED MAPS



- Areas of potential visibility
- Potential visibility blocked by tree cover
- ✱ Project Site Location
- 5 Mile Radius

Viewshed Analysis Map with Land Cover

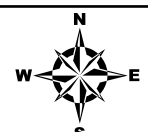
**NY1038/INLET
88 LIMEKILN ROAD
HAMILTON COUNTY
INLET NY 13360**



1:6,200

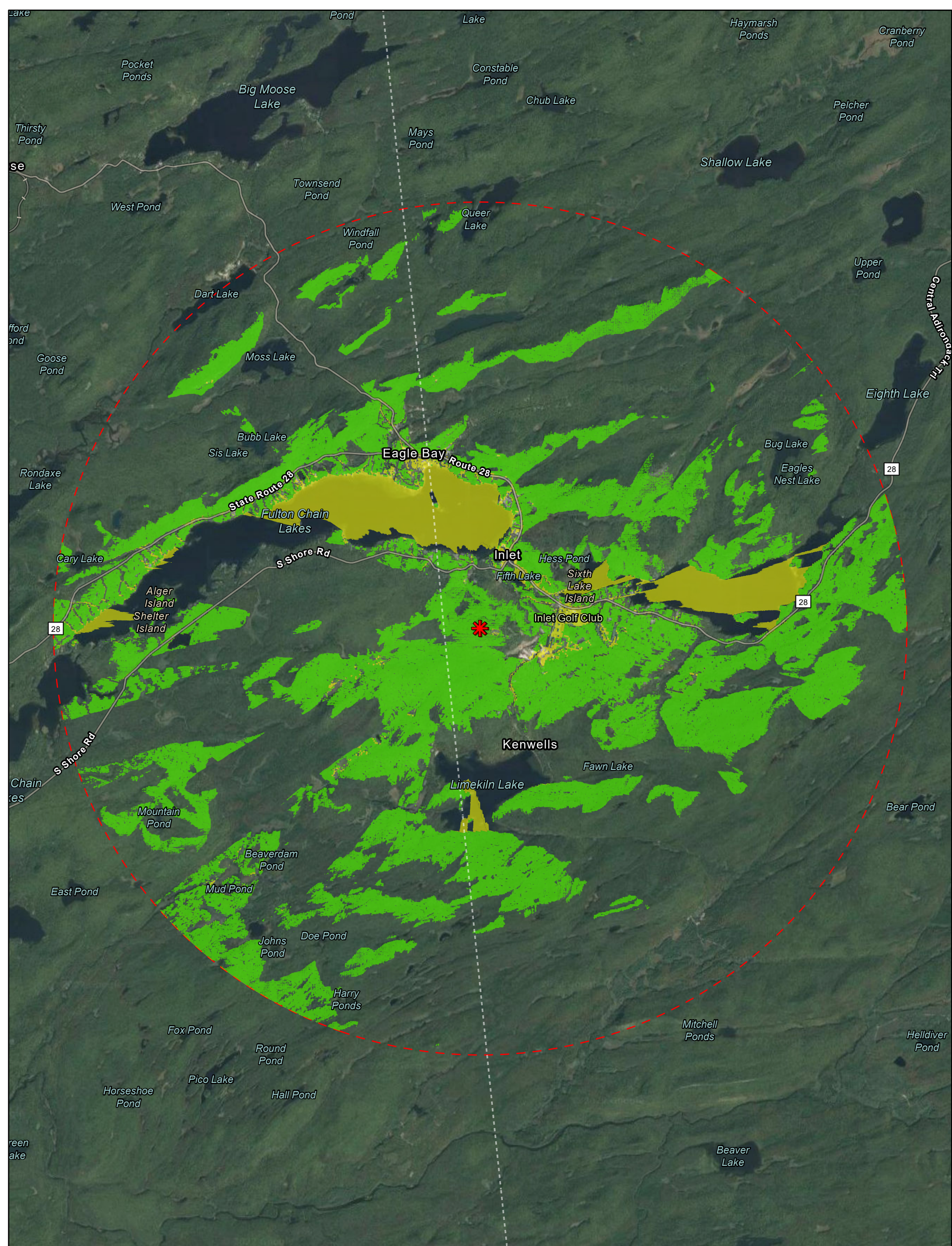
This map depicts areas of POTENTIAL visibility
This map accounts for elevation and calculated
canopy height. DEM (1-10m), land cover (30m), Print at 11x17

Source: Selected data from
USGS, EBI, USFS



Date: 2/15/2022

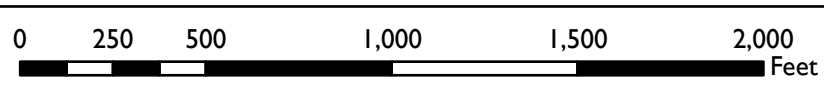
PN: 6122001644



- Areas of potential visibility
- Potential visibility blocked by tree cover
- ✱ Project Site Location
- 5 Mile Radius

Viewshed Analysis Map with Land Cover

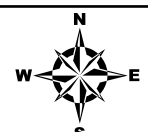
**NY1038/INLET
88 LIMEKILN ROAD
HAMILTON COUNTY
INLET NY 13360**



This map depicts areas of POTENTIAL visibility
This map accounts for elevation and calculated canopy height. DEM (1-10m), land cover (30m), Print at 11x17

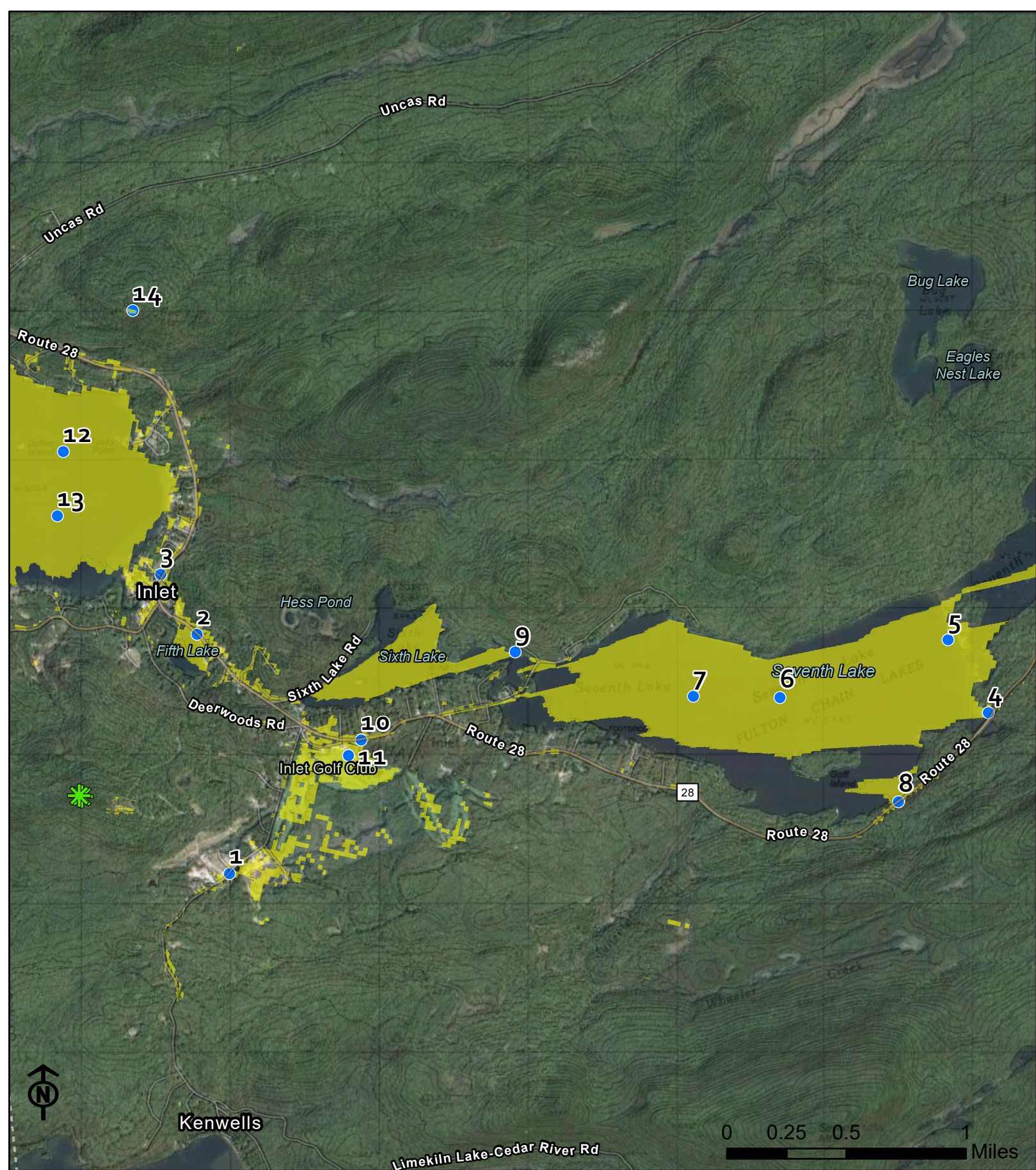
Source: Selected data from USGS, EBI, USFS

Date: 2/15/2022



PN: 6122001644

APPENDIX E
MAPPED CALCULATION OF ROAD LENGTHS &
LAKE AREAS WITH POTENTIAL VISIBILITY



Date: 2/15/2022

Calculation of Area of Visibility

**NY 1038/INLET
88 LIMEKILN ROAD
HAMILTON COUNTY
INLET NY 13360**

PN: 6122001644

- Photo Location
- ✱ Project Site Location
- Areas of potential visibility



Photo Number	DDLat	DDLon	Visible	Description of view quality
1	43.73461435N	074.78852413W	maybe	Momentary view along Limekiln rd where seasonal and or partial views are expected.
2	43.74913380N	074.79118802W	yes	Part of an area on route 28 alongside fifth lake with views across the lake. Potential visibility of entire area is expected for a 10 acre area including the lake and 1/4 miles of rt 28.
3	43.75276991N	074.79421302W	yes	Part of the Inlet village visibility area which expands throughout the village. This area shows potential visibility within the village where an open view towards the subject towers can be found. There is a stretch of rt 28 in the village, north of South Shore rd with approximately 1/2 mile of visibility.
4	43.74423658N	074.72502966W	yes	Part of the Seventh Lake visibility area, calculated at approximately 500 acres. This location has a momentary line of sight to the proposed towers 3.8 miles away looking west from Rt.28 at a break in vegetation along roadway.
5	43.74866991N	074.72838244W	yes	Part of the Seventh Lake visibility area, calculated at approximately 500 acres. This location has a line of sight to the proposed towers 3.8 miles away looking west from Seventh Lake, on the western side of the eastern big island.
6	43.74519769N	074.74245467W	yes	Part of the Seventh Lake visibility area, calculated at approximately 500 acres. This location has a line of sight to the proposed towers 3.8 miles away looking west from the center of the lake north of Goff Island.
7	43.74529213N	074.74969356W	yes	Part of the Seventh Lake visibility area, calculated at approximately 500 acres. This location has a line of sight to the proposed towers 2.6 miles away looking west from the center of the lake
8	43.73885710N	074.73257353W	yes	Momentary view 3.4 miles away along rt 28, looking west across seventh lake where only seasonal and or partial views are expected. Part of the Seventh Lake visibility area, calculated at approximately 500 acres.
9	43.74801352N	074.76458162W	yes	Part of the Sixth lake visibility area calculated at approximately 65 acres. This location approximately 1.9 miles away, and represents a portion of this view area that has a narrow viewing window (220 - 250 feet width) due to topography and trees on the eastern 1/3 of the lake.
10	43.74269849N	074.77748357W	no	Section of Rt. 28 where there is no visibility due to trees and topography.
11	43.74176213N	074.77855021W	yes	Part of the Inlet Golf Club visibility area calculated at approximately 50 acres. Views contained to areas of the golf course fairways and greens or areas with open skyline view towards the subject towers 1.2 miles west.
12	43.76023380N	074.80233524W	yes	Part of the Fourth Lake visibility area, totaling approximately 1,100 acres, and encompasses the eastern portion of the lake as well as the village of Eagle Bay and access roads surrounding the lake. This location is in the middle of the lake, between Dollar island and Rocky Point, approximately 1.4 miles north of the subject towers.
13	43.75633852N	074.80284494W	yes	Part of the Fourth Lake visibility area which encompasses the east portion of the lake as well as the village of Eagle Bay and the access roads surrounding the lake. This location is in the middle of the lake, roughly between Dollar Island and the south shore of the lake, approximately 1.2 miles north of the subject towers.
14	43.76878377N	074.79649827W	yes	Part of the Rocky Mountain visibility area which is a momentary view, limited to the overlook areas along the trail and top of the mountain. Looking south approximately 2 miles to the subject towers at roughly the same elevation as the base of the proposed towers.

APPENDIX F

FAA 1A SURVEYED COORDINATES OF TWIN MONOPINES



48 sylvan avenue • latham ny • 12110
 cell • (518) 312-1335
 email • ggray_surveyor@aol.com

FAA 1-A SURVEY CERTIFICATION

Applicant: TARPON TOWERS II, LLC
 1001 3rd Avenue West, Suite 420
 Bradenton, FL 34205

Site Name: Inlet – Tower 1
Site Number: NY1038
Site Address: 88 Limekiln Rd, Inlet NY 13360

Source of Coordinates:	X	GPS Survey	<input type="checkbox"/>	Ground Survey
Source of Vertical Datum:	X	GPS Survey	<input type="checkbox"/>	Ground Survey
Structure Type:	x	New Tower	<input type="checkbox"/>	Existing Tower
	<input type="checkbox"/>	Water Tank	<input type="checkbox"/>	Smoke Stack
			<input type="checkbox"/>	Roof Top
			<input type="checkbox"/>	Other)

Latitude:	N 43° 44' 21.5"	(NAD 83)
Longitude:	W 74° 48' 03.1"	(NAD 83)
Ground Elevation:	2223.0 feet AMSL	(NAVD 88)
Proposed Ground Elevation:	2222.0 feet AMSL	(NAVD 88)

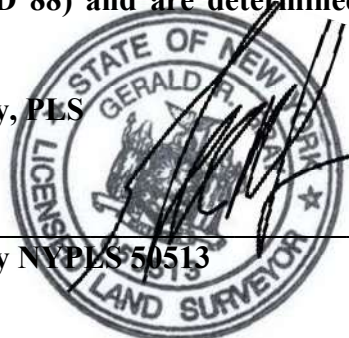
Certification: I certify that the coordinates of N 43° 44' 21.5" / W 74° 48' 03.1" (NAD 83) are accurate to within ± 20 feet horizontally and that the ground elevation of 2223.0 feet (NAVD 88) is accurate to within ± 3 feet vertically. The horizontal datum (coordinates) are based on North American Datum of 1983 (NAD 83), New York State East Planes Zone, and are expressed in degrees, minutes and seconds to the nearest tenth of a second. The vertical datum (elevations) are based on the North American Vertical Datum of 1988 (NAVD 88) and are determined to the nearest tenth of a foot.

Company: Gerald R Gray, PLS

Surveyor Signature and Seal:

Gerald R Gray NY PLS 50513

Date: April 20, 2021





48 sylvan avenue • latham ny • 12110
 cell • (518) 312-1335
 email • ggray_surveyor@aol.com

FAA 1-A SURVEY CERTIFICATION

Applicant: TARPON TOWERS II, LLC
 1001 3rd Avenue West, Suite 420
 Bradenton, FL 34205

Site Name: Inlet – Tower 2
Site Number: NY1038
Site Address: 88 Limekiln Rd, Inlet NY 13360

Source of Coordinates:	X	GPS Survey	<input type="checkbox"/>	Ground Survey
Source of Vertical Datum:	X	GPS Survey	<input type="checkbox"/>	Ground Survey
Structure Type:	x	New Tower	<input type="checkbox"/>	Existing Tower
	<input type="checkbox"/>	Water Tank	<input type="checkbox"/>	Smoke Stack
			<input type="checkbox"/>	Roof Top
			<input type="checkbox"/>	Other)

Latitude:	N 43° 44' 21.7"	(NAD 83)
Longitude:	W 74° 48' 03.9"	(NAD 83)
Existing Ground Elevation:	2216.6 feet AMSL	(NAVD 88)
Proposed Ground Elevation:	2219.0 feet AMSL	(NAVD 88)

Certification: I certify that the coordinates of N 43° 44' 21.7" / W 74° 48' 03.9" (NAD 83) are accurate to within ± 20 feet horizontally and that the ground elevation of 2216.6.0 feet (NAVD 88) is accurate to within ± 3 feet vertically. The horizontal datum (coordinates) are based on North American Datum of 1983 (NAD 83), New York State East Planes Zone, and are expressed in degrees, minutes and seconds to the nearest tenth of a second. The vertical datum (elevations) are based on the North American Vertical Datum of 1988 (NAVD 88) and are determined to the nearest tenth of a foot.

Company: Gerald R Gray, PLS

Surveyor Signature and Seal:

Gerald R Gray NYPLS 50513



Date: April 20, 2021