

				ANTEN	INA SCHED	ULE		
SECTOR	ANTENNA POSITION	ANTENNA MANUFACTURER/MODEL	ANTENNA DIMENSIONS (HWWxD)	RAD CENTER	AZIMUTH	RRU MANUFACTUER QUANTITY & MODEL	CABLE QUANTITY & TYPE	CABLE LENGTH
1	A1	(P) TARANA WIRELESS G1	16.4°x21.2°x4.6°	150'-0"	0"		(P)(1) OPTICS FIBERPOWER HYBRID	Đ0m
2	B1	(P) TARANA WIRELESS G1	16.4°x21.2°x4.8°	150'-0"	90*	•		
3	C1	(P) TARANA WIRELESS G1	16.4"x21.2"x4.6"	150'-0"	180*			
	C2	(P) TARANA WIRELESS G1	15.4"x21.2"x4.6"	150'-0"	270*	//w		

MW DISH SCHEDULE								
ANTENNA POSITION	DISH MANUFACTURER/MODEL	DISH SIZE	RAD CENTER	AZIMUTH	TILT	RADIO MANUFACTUER QUANTITY & MODEL	CABLE QUANTITY & TYPE	CABLE LENGTH
82	(P) MWE-MT518M40VHAVA	Ø 2FT, NOMINAL	150'-0"	165,03	NIA	(P) (1) AVIAT WTM 4800	(P) (1) OPTICS FIBERPOWER HYBRID	60m





PREPARED BY:



3840 E. ROBINSON ROAD AMHERST, NY 14228 ALBULENG.COM

DMITRIY ALBUL NY LICENSE NO.089075

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PRELIMINARY DOCUMENTS

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A	02-12-25	PRELIMINARY	
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38633.NSN.CDN.V118280.0

ALBUL ENGINEERING PROJECT NUMBER:

PROJECT INFORMATION:

VILLAGE OF ALBION WATER DEPARTMENT (VAWD-TOWER) SITE ID: TBD 961 WILSON ROAD

WATERPORT, NY 14517 SHEET TITLE:

ANTENNA PLAN & SCHEDULE

SHEET NUMBER:

A-4

ANTENNA PLAN SCALE: 348" = 1'-0" (22X34); 34" = 1'-0" (11X17)

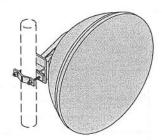
12° 6° 0 1' 2' 3' 4' 5' 6' 7'

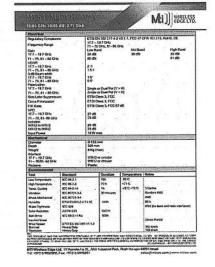


AVIAT WTM 4800 ODU

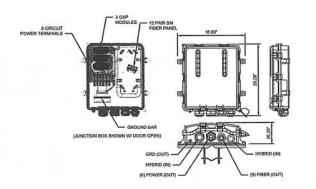


TARANA WIRELESS G1 ANTENNA SCALE, N.T.S.





AVIAT MT518M49VHAVA MW DISH SCALE: N.T.S.



RAYCAP JUNCTION BOX REKDC9234PF48

SCALE-N.T.S.

PREPARED FOR:



PREPARED BY:



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ALBUL ENGINEERING PROJECT NUMBER: 38633.NSN.CDN.V118280.0

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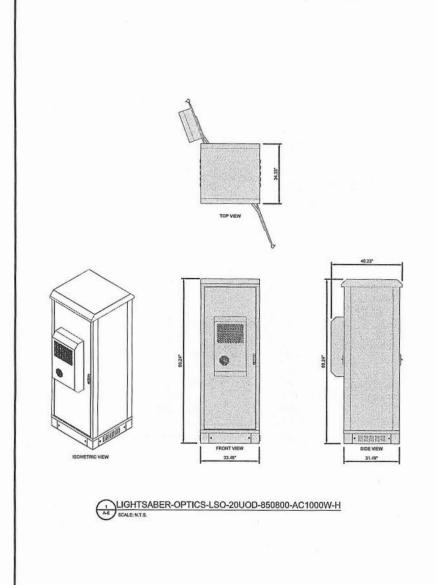
PROJECT INFORMATION:
VILLAGE OF ALBION WATER
DEPARTMENT (VAWD-TOWER)

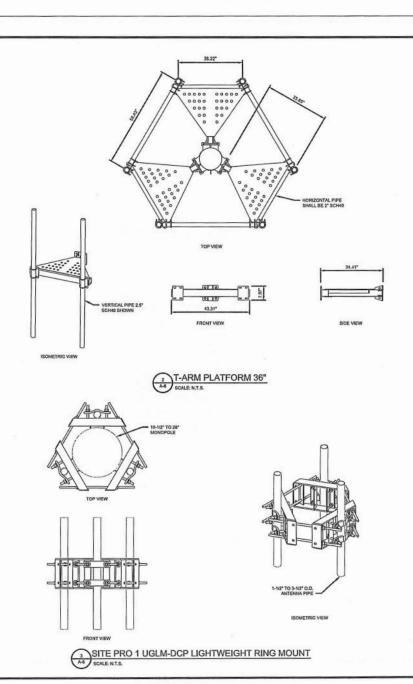
SITE ID: TBD 961 WILSON ROAD WATERPORT, NY 14517

SHEET TITLE:

ANTENNA SPEC'S & DETAILS

SHEET NUMBER:







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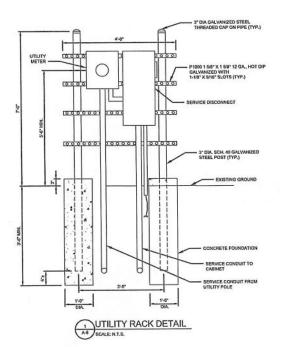
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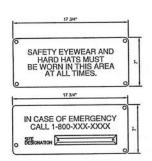
PROJECT INFORMATION:

VILLAGE OF ALBION WATER
DEPARTMENT (VAWO-TOWER)
SITE ID: TBD
961 WILSON ROAD
WATERPORT, NY 14517

SITE DETAILS - I

SHEET NUMBER:





NOTES

- 1. SIGN SHALL BE MOUNTED AT ROOF DOOR
- 2. MOUNTING HEIGHT SHALL BE 5' A.R.L. TO SIGN CENTERLINE

SAFETY SIGN DETAIL

SCALE: N.T.S.

PREPARED FOR:



PREPARED BY:



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ALBUL ENGINEERING PROJECT NUMBER:

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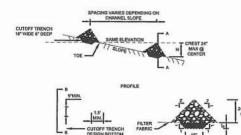
PROJECT INFORMATION:

VILLAGE OF ALBION WATER DEPARTMENT (VAWD-TOWER) SITE ID: TBD 961 WILSON ROAD WATERPORT, NY 14517

SHEET TITLE:

SITE DETAILS - II

SHEET NUMBER:



CONSTRUCTION SPECIFICATIONS

SECTION A-A

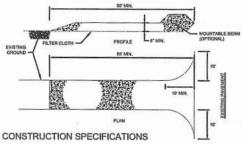
1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.

2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM. 3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.

4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR AS

5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE, MAXIMUM DRAINAGE





- 1. STONE SIZE USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT. 2. LENGTH AS REQUIRED, BUT NOT LESS THAN 69 FEER (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30

- 2. LENGTH AS REQUIRED, DET NOT LESS THAN 40 FEER (EXCEPT ON A SINCLE RESIDENCE LOT WHERE A 30 FOOT MINIMAL RECENT WOULD APPLY JOINES.

 4. WIDTH TEN (19) FOOT MINIMAL BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OF ERRESS OCCUR.

 5. FILTER COTH WILL BE FLACED, OVER THE ENTIRE A MEAN PRICK TO P ACKING OF STONE.

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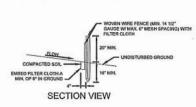
 5. FILTER COTH WILL BE FLACED, OVER THE FLOWER OF DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PRICKED ACROSS THE ENTRANCE. FIPPING IS INPRACTICAL, AMOUNTABLE BERN WITH 51 SLOPES WILL BE PREMITTED.
- PERMITTED.

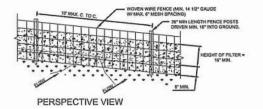
 7. AMINTENINGE THE ENTRANCE SHALL BE MANTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STORE, AS CONDITIONED ENHAND, AND REPRIR ANDOR CLEANING OF AN MEASURES USED TO
- ADDITIONAL STORE, AS CONDITIONS DELAWAY, AND REPARK AND DISCRETE OF ANY MARKSURES USED TO TRAP SEDIMENT.

 8. WASHING WHELLES SHALL BE CLEARED TO REMOVE SEDIMENT FIND TO ENTRANCE ONTO PUBLIC RIGHTS OF-LIVE HEM WASHING IS REQUIRED. IT SHALL BE DONE ON AN AREA STABLIZED WHISTONE AND WHICH DIVARIOS HOT ARPROVED SEDIMENT TRAVERING DEVICE.

 9. PERIODIC INFOCCTION AND REGION AND TRAVERS OF MALL BE PROVIDED AFTER EACH PANN.







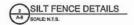
SILT FENCE NOTES:

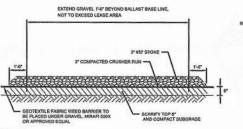
1, WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH TIES OR STAPLES, POSTS SHALL BE STEEL EITHER "I" OR "L" TYPE OR HARDWOOD.

2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION, FENCE SHALL BE WOVEN WIRE, 14 1/2 GAUGE, 6° MAXIMUM MESH OPENING.

3. WHEN TWO SECTIONS OF FATER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED, FATER CLOTH SHALL BE EITHER FATER X. MIRAFI 100X. STABILINKA T140N, OR APPROVED EQUIVALENT. 4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROPENCE, OR APPROVED

5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.





REFER TO SITE PLAN FOR DIMENSION

NOTES:

1. REMOVE TOP 6 INCHES OF GRADE FROM COMPAUND

SITE COMPAUND GRAVER DETAIL

A9 SCALE: N.T.S.

CONTRACTOR SHALL ADD ADDITIONAL MATERIAL IN RUTTED AREAS. REGRADE THE ACCESS DRIVE PRIOR TO PLACEMENT OF THE FINAL COURSE. OF DRIVE REGRADE DRIVE AND COMPACT 6" -OF CRUSHER RUN (#57)
AGGREGATE LIMESTONE (AFTER
INSTALLATION OF TOWER AND
BUILDING) - SLOPE TO MEET EXISTING GRADE (TYP.) 1/4"/FT, (MAX.) EXISTING GRADE SEED DISTURBED AREAS 4 • POUNDS/1000 SQ, FT. 60% KENTUCKY BLUEGRASS 18% CREEPING RED FESCUE 22% INSTALL MIRAFI SOOX ENGINEERING FABRIC ACCORDING TO MANUFACTURERS RECOMMENDATIONS REMOVE TOPSOIL 1'40" DEEP MINIMUM FROM SITE & COMPACT SUBGRADE TO DOT STANDARDS

> ACCESS DRIVE TYPICAL SECTION SCALE: N.T.S.

PREPARED FOR:



PREPARED BY:



AMHERST, NY 14228 ALBULENG COM

DMITRIY ALBUL NY LICENSE NO.089075

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RFDS RAN TEMPLATE:

PRELIMINARY DOCUMENTS

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_		RING PROJECT NUMBER:

38633.NSN.CDN.V118280.0

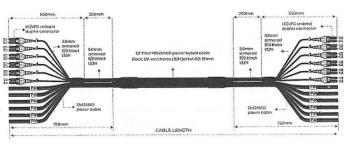
PROJECT INFORMATION

VILLAGE OF ALBION WATER DEPARTMENT (VAWD-TOWER) SITE ID: TBD 961 WILSON ROAD WATERPORT, NY 14517

SHEET TITLE:

SITE DETAILS - III

SHEET NUMBER:



LENGTH	TOLERANCE
+3Qm	-1% Cmm
>10m;<30m	*150-0mm
*tm; <10m	+393-0mm
£(m)	-8/2-2mm
+399m	+30-0mm

LIGHTSABER OPTICS 12F+12X12AWG HYBRID CABLE



134- 1 *840 433490 (26) 1

LIGHTSABER OPTICS 2F FIBER+2X12AWG HYBRID CABLE

PREPARED FOR:



PREPARED BY:



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REV.	DATE	DESCRIPTION
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ALBUL ENGINEERING PROJECT NUMBER:

38633.NSN.CDN.V118280.0

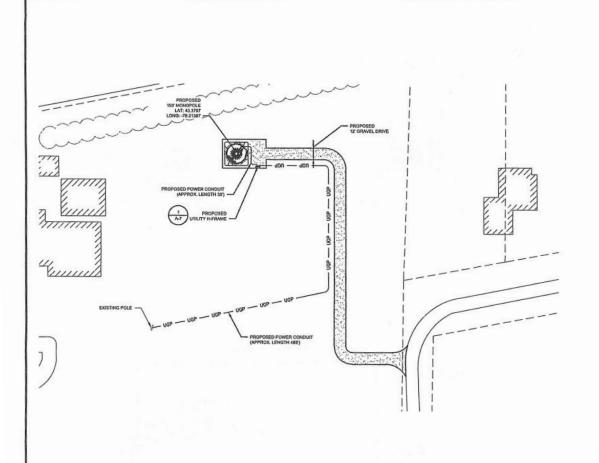
PROJECT INFORMATION:

VILLAGE OF ALBION WATER DEPARTMENT (VAWD-TOWER) SITE ID: TBD 961 WILSON ROAD WATERPORT, NY 14517

SHEET TITLE:

CABLING DETAILS

SHEET NUMBER:



ELECTRICAL NOTES:

- SUBMETTAL OF BID INDICATES THAT THE CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
- CONTRACTOR TO SHALL PERFORM ALL VERIFICATIONS, OBSERVATION TESTS, AND EXAMINATION WORK PRIOR TO ORDERING OF ANY EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL PRIORINGS TO THE PROJECT MANAGER ISTING ALL MALPUNCTIONS, FAULTY EQUIPMENT AND
- 3. VERIFY HEIGHTS WITH PROJECT MANAGER PRIOR TO INSTALLATION.
- 4. THESE PLANS ARE DIAGRAMMATIC ONLY, FOLLOW AS CLOSELY AS POSSIBLE.
- CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND ALL OTHER SCHEDULING AND PROVISIONARY CIRCUMSTANCES SURROUNDING THE PROJECT.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION CONSTRUCTION TOOLS. TRANSPORTATION, ETC. FOR COMPLETE AND FUNCTIONALLY OPERATING STSTEMS EMERICEZED READY FOR USE THROUGHOUT AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN ANDOR AS OTHERWISE
- 7. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GENCE AND OF THE SAME MANIFACTURENT THROUGHOUT FOR EACH CLASS OR GROUP EQUIPMENT. THE GOVERNMEN BODIES HANDS AUBISICITION OVER THE CONSTRUCTION, MATERIALS SHALL BE MANIFACTURED IN ACCREDANCE WITH ALL CURRENT APPLICABLE STANDARD ESTABLISHED BY ARIS, NEMA AND NETUL, ALL MATERIALS AND EQUIPMENT SHALL BE FOR THEIR INTENDED USE AND LOCATION.
- 8. ALL WORK SHALL COMPLY WITH ALL APPLICABLE GOVERNING STATE, COUNTY AND CITY CODES AND OSHA, NFPA, NEC AND ASHINAE REQUIREMENTS.
- ENTIRE JOB SHALL BE QUARANTEED FOR A PERIOD OF (1) YEAR AFTER THE DATE OF ACCEPTANCE. ALL WORK, MATERIAL, AND EQUIPMENT FOUND TO BE FAULTY DURING THAT PRIRIDD SHALL BE CONRECTED AT ONCE. UPON WRITTERN NOTIFICATION, ATT THE EXPENSE OF THE CONTRACTION.
- PROPERLY SEAL ALL PENETRATIONS. PROVIDE UL LISTED FIRE-STOPS WHERE PENETRATIONS ARE MADE THROUGH FIRE-PLAYED ASSMEMBLIES, WATER-TIGHT USING SILICONE SEALANT.
- LOCATE ALL PENETRATIONS SUCH THAT ALL REINFORCEMENT CONTAINED WITHIN THE EXISTING BUILDING CONSTRUCTION REMAINS INTACT AND UNDISTURBED. SUBMIT LOCATING METHOD TO THE PROJECT MANAGER FOR APPROVAL TO EXECUTION.
- 12. DELIVER ALL BROCHURES, OPERATING MANUALS, CATALOGS AND SHOP DRAWINGS TO THE PROJECT MANAGER AT JOB COMPLETION. PROVIDE MAINTENANCE MANUALS FOR MECHANICAL EQUIPMENT, AFFIX MAINTENANCE LABLIS TO MECHANICAL EQUIPMENT.
- ALL CONDUCTORS SHALL BE COPPER. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG., UNLESS OTHERWISE NOTED, CONDUCTORS SHALL BE TYPE THHW, RATED IN ACCORDANCE WITH NEC 110-14(C).
- ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AND INTERRUPTING RATING NOT LESS THE MAXIMUM INTERRUPTING CURRENT TO WHICH THEY MAY BE SUBJECTED.
- THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE; ARTICLES 250 & 810 AND UTILITY COMPANY STANDARDS.
- 16. CONDUIT:

A. RIGIS CONDUIT SHALL BIT LL LABEL GALVANEZD ZINC COATED WITH ZINC INTERIOR AND SHALL BIT USED WHEN INSTALLED BY OR INFORMED CONCRETTE SLASS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASCINSTY WALLS OR EXPOSED ON BUILDING EXTERIOR, RIGIS CODUIT IN CONTACT WITH EARTH SHALL BIT US LAPPED WRAPPED WITH HUMTS WEAP PROCESS NO. 3.

- B. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL. FITTINGS SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.
- C. LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE U.L. LISTED AND SHALL BE USED AT FINAL CONNECTIONS TO MECHANICAL EQUIPMENT A RECTIFIERS AND WHERE PERMITTED BY CODE. ALL CONDUIT IN EXCESS OF DISK PEET IN LENGTH SHALL CONTINA PLUL-SIZE GROUND CONDUCTOR.
- D. CONDUIT RUINS SHALL BE SURFACE MOUNTED ON CEILINGS OR WALLS UNLESS NOTED OTHERWISE, ALL CONDUIT SHALL RUIN PARALLEL OR PERPENDICULAR TO WALLS, FLOOR, CEILING, OR BEAMS. VERIFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH THE PROJECT MANAGER PRIOR TO INSTALLING.
- E. PVC CONDUIT MAY BE PROVIDED ONLY WHERE SHOWN OR IN UNDERGROUND INSTALLATIONS, PROVIDE UV-RESISTANT CONDUIT WHERE EXPOSED TO THE ATMOSPHERE. PROVIDE GROUND CONDUCTOR IN ALL PVC RUNS, EXCEPT WHERE PERMITTED BY CODE TO OMIT.
- ALL ELECTRICAL EQUIPMENT SHALL BE LABELLED WITH PERMANENT ENGRAVED PLASTIC LABELS. BACKGROUND BHALL BE BLACK WITH WHITE LETTERS; EXCEPT AS REQUIRED BY CODE TO FOLLOW A DIFFERENT SOLIME.
- 18. LECH COMPLETION OF WORK, COMMUNT CONTINUITY, SHORT CIRCUIT, AND FALL OF POTENTIAL ENDAMINING TEXTS FOR APPROVAL SUBMIT TEXT REPORTS TO PROBLECT MANGER, ORNOMONION SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS, IF THE RESISTANCE VALUE IS EXCEEDED, NOTITY THE PROJECT MANGER FOR FURTHER INSTRUCTION ON METHODS FOR REDUCING THE
- RESISTANCE VALUE

 19. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION LEGALLY DISPOSE OF ALL REMOVED, UNUSED AND EXCESS MATERIAL, GENERATED BY THE WORK OF THIS CONTRACT. DELIVER TIEMS INDICATED ON THE DRAWNINGS TO THE OWNER IN GOOD CONDITION. OBTAIN SIGNAL RECEIPT UPON DELIVERY.
- 20. COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE EMPORARY FOWER AND ALL HOOKUP COSTS SHALL SE PAID BY THE CONTRACTOR.
- 21. VERIFY ALL EXISTING CIRCUITRY PRIOR TO REMOVAL, AND NEW WORK, MAINTAIN POWER TO ALL OTHER AREAS & CIRCUITS NOT SCHEDULED FOR REMOVAL.
- 22. RED LINED AS-BUILT PLANS SHALL BE PROVIDED TO THE CONSTRUCTION MANAGER.

PREPARED FOR:



PREPARED BY:



3840 E. ROBINSON ROAD AMHERST, NY 14228 ALBULENG.COM

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RFDS RAN TEMPLATE:

PRELIMINARY DOCUMENTS

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LBUL ENGINEERING PROJECT NUMBER:

38633.NSN.CDN.V118280.0

PROJECT INFORMATION:

VILLAGE OF ALBION WATER DEPARTMENT (VAWD-TOWER) SITE ID: TBD 961 WILSON ROAD WATERPORT, NY 14517

SHEET TITLE:

ELECTRICAL PLAN

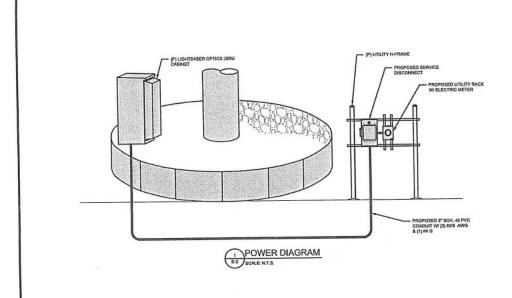
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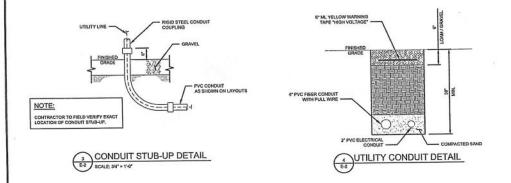
E-1

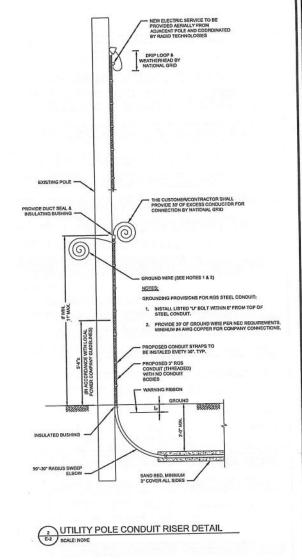
ELECTRICAL PLAN

32' 24' 16' 8' 0 32' 64'

1











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PROJECT INFORMATION:

VILLAGE OF ALBION WATER DEPARTMENT (VAWD-TOWER) SITE ID: TBD

961 WILSON ROAD WATERPORT, NY 14517

SHEET TITLE;

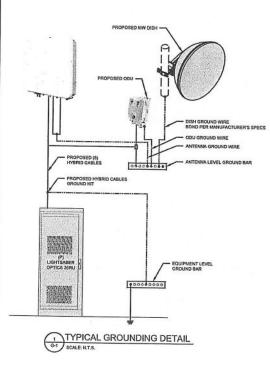
ELECTRICAL & GROUNDING DETAILS

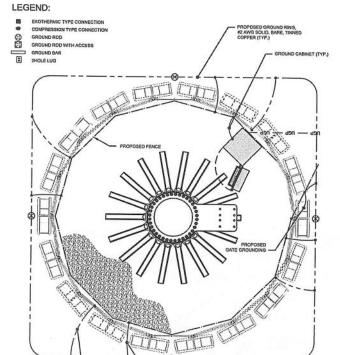
SHEET NUMBER:

E-2



- GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
- 2. ALL GROUNDING DEVICES SHALL BE U.L. APPROVED OR LISTED FOR THEIR INTENDED USE.
- ALL WIRES SHALL BE AWG THHN/THWN COPPER UNLESS NOTED OTHERWISE.
- GROUNDING CONNECTIONS TO GROUND GROUND RING WHEE TOWER BASE AND FENCE POSTS SHALL BE EXCHITERING COMMERCENT UNKESS BATTED OTHERWISE, CLEAN SUMPACES TO SHINY METAL, WHERE GROUND WINES ARE CADWELD TO GALVANIZED SURFACES, SPRAY CONNECTIVITY
- GROUNDING CONNECTIONS TO GROUND BARS ARE TO BE TWO-HOLE BRASS MECHANICAL CONNECTORS WITH STANKESS STEEL HANDWARE (INCLUDING SOREW SETT) CLEAN GROUND BAR TO SHRY METAL AFTER MECHANICAL CONNECTION, TREAT WITH PROJECTIVE ANTIOXIDIANT CONTING.
- GROUND COAXIAL CABLE SHIELDS AT BOTH ENDS WITH MANUFACTURER'S GROUNDING KITS.
- ROUTE GROUNDING CONDUCTORS THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. BEND GROUNDING LEADS WITH A MINIMUM 12" PADIUS.
- INSTALL #2 AWG GREEN-INSULATED STRANDED WIRE FOR ABOVE GRADE GROUNDING AND #2 BARE TINNED COPPER WIRE FOR BELOW GRADE GROUNDING UNLESS OTHERWISE NOTED.
- REFER TO GROUNDING PLAN FOR GROUND BAR LOCATIONS. GROUNDING CONNECTIONS SHALL BE EXCITIERABLE TYPE ("CADWELDS") TO ANTENNA MOUNTS AND GROUND RING. REMAINING GROUNDING CONNECTIONS SHALL BE COMPRESSION FITTINGS. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO-HOLE LUGS.
- THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND ROOS POSITION ACCORDING TO GROUNDING FLAN. THE GROUND ROOS SHALL BE 58'x16'4' COPPER CLAD STEEL INTERCONNECTED WITH 22 BARE TINNED COPPER WIRE BURIED 36' BELOW GRADE. BURY GROUND ROOS A MAXIMUM OF 15' APART, AND A MINIMUM OF 8' APART.
- If ROCK IS ENCOUNTERED GROUND RODS SHALL BE PLACED AT AN OBLIQUE ANGLE NOT TO EXCEED 45.
- 12. EXOTHERMIC WELDS SHALL BE MADE IN ACCORDANCE WITH ERICO PRODUCTS BULLETIN A-AT.
- CONSTRUCTION OF GROUND RING AND CONNECTIONS TO EXISTING GROUND RING SYSTEM SHALL BE DOCUMENTED WITH PHOTOGRAPHS PRIDR TO BACKFILLING SITE. PROVIDE PHOTOS TO THE CONSTRUCTION HAMMER.
- ALL GROUND LEADS EXCEPT THOSE TO THE EQUIPMENT ARE TO BE #2 BARE TINNED COPPER WIRE.
 ALL EXTERIOR GROUND BARS TINNED COPPER.
- PRIOR TO INSTALLING LUGS ON GROUND WIRES, APPLY THOMAS & BETTS KOPR-SHIELD (TM OF JET LUBE INC.), PRIOR TO BOLTING GROUND WIRE LUGS TO GROUND BARS, APPLY KOPR-SHIELD OR EQUAL.
- Elsouge an independent electrical, testing fish to test and verify that impedance does not exceed five owns to drough of heaving of fall of potential test, test shall be writessed by a representative, and recorded on this conduct resistance test form.
- WHERE BARE COPPER GROUND WIRES ARE ROUTED FROM ANY CONNECTION ABOVE GRADE TO GROUND RING, INSTALL WIRE IN 34" PVC SLEEVE, FROM 1" BELOW GRADE AND SEAL TOP WITH SILICONE MATERIAL.
- PREPARE ALL BONDING SURFACES FOR GROUNDING CONNECTIONS BY REMOVING ALL PAINT AND CORROSION DOWN TO SHIRY METAL FOLLOWING CONNECTION, APPLY APPROPRIATE ANTI-OXIDIZATION PAINT.
- ANY SITE WHERE THE EQUIPMENT (BTS, CABLE BRIDGE, PPC, GENERATOR, ETC.) IS LOCATED WITHIN 6
 FEET OF METAL FENCING, THE GROUND RING SHALL BE BONDED TO THE NEAREST FENCE POST USING
 (3) RUNS OF 22 BARE TINHED COPPER WIRE.





GROUNDING LAYOUT





GROUND TOWER & BALLAST BASE TO PROPOSED GROUND RINGWITH 82 AWG SOLID, BARE, TINNED COPPER (TYP, OF 4)



PREPARED FOR:



PREPARED BY:



3840 E. ROBINSON ROAD AMHERST, NY 14228 ALBULENG.COM

DMITRIY ALBUL NY LICENSE NO.089075

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. TO ALTER THIS DOCUMENT.

DRAWN BY:	CHECKED	
AK	AAN	

RFDS RAN TEMPLATE:

PRELIMINARY DOCUMENTS

REV.	DATE	DESCRIPTION
A	02-12-25	PRELIMINARY
-		
-		
		RING PROJECT NUMBER:

38633.NSN.CDN.V118280.0

30033.N3N,CDN.V11828

PROJECT INFORMATION:

VILLAGE OF ALBION WATER DEPARTMENT (VAWD-TOWER) SITE ID: TBD 961 WILSON ROAD

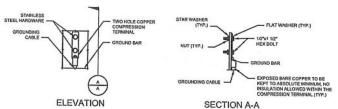
961 WILSON ROAD WATERPORT, NY 14517

SHEET TITLE:

GROUNDING PLAN & DETAILS

SHEET NUMBER:

G-1

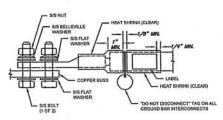


NOTES

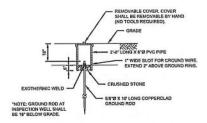
- DOUBLING UP OR STACKING OF CONNECTIONS IS NOT PERMITTED
- 2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS

MECHANICAL CONNECTION DETAIL

G-1 SCALE: N.T.S.



GROUND BAR DETAIL G-2 SCALE: N.T.S.



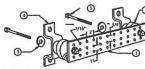
GROUND ROD INSPECTION WELL

9-2 SCALE: N.T.S.



- WHERE ROCK IS ENCOUNTERED, ROCK WILL BE DRILLED, PILLED W CONDUCTIVE SOIL BRODS INSTALLED TO FULL DEPTH.
- GROUND RODS SHALL BE INSTALLED IN ACCORDANCE WINEC REQUIREMENTS.

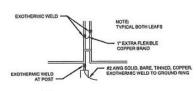




LEGEND

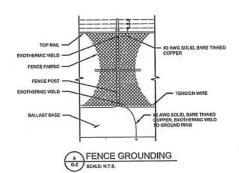
- COPPER GROUND BAR, 1/4"X 4"X 20", NEWTON INSTRUMENT CO. GAT, NO. B-8142, HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION
 INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4
- 3 5/6" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8
 4 WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT NO. A-6050
 5 5/6-11 X 1" H.H.C.S.BOLTS, NEWTON INSTRUMENT CO. CAT NO. 3012-1

GROUND BAR DETAIL GROUN G-2 SCALE: N.T.S.



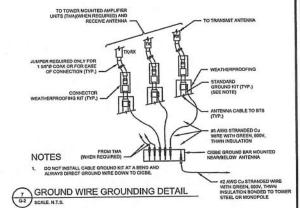
GATE GROUNDING

SCALE: N.T.S.





ANTENNA GROUND KIT DETAIL SCALE: N.T.S.







PREPARED BY:



3840 E. ROBINSON ROAD AMHERST, NY 14228 ALBULENG.COM

DMITRIY ALBUL NY LICENSE NO,089075

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DRAWN BY: CHECKED BY: ANN

RFDS RAN TEMPLATE:

PRELIMINARY DOCUMENTS

SUBMITTALS		
V.	DATE	DESCRIPTION
1	02-12-25	PRELIMINARY
-		
-	_	
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ALBUL ENGINEERING PROJECT NUMBER:

38633.NSN.CDN.V118280.0

PROJECT INFORMATION:

VILLAGE OF ALBION WATER DEPARTMENT (VAWD-TOWER) SITE ID: TBD 961 WILSON ROAD WATERPORT, NY 14517

GROUNDING DETAILS

SHEET NUMBER:

G-2