

## LICENSE AGREEMENT

THIS License Agreement ("**Agreement**"), is entered into the 22 day of January 2017 (the "**Effective Date**") by and between the International Monetary Fund, an international organization having its headquarters at 700 19<sup>th</sup> street, N.W., Washington, D.C. 20431 (the "**Fund**"), the Bretton Woods Recreation Center, Inc., a Maryland corporation, having its principal office at 15700 River Road, Germantown, Maryland 20874 ("**Tenant**") and Montgomery County, Maryland, 101 Monroe Street, Rockville, MD 20850, a body corporate and politic and a political subdivision of the State of Maryland, (the "**County**"), and collectively (the "**Parties**").

## EXHIBITS

- Exhibit A: Legal Description of the Property
- Exhibit B: Description of Licensed Area
- Exhibit C: Inventory of Wireless Communications Equipment to be Located on the License Area

## RECITALS

WHEREAS, the International Monetary Fund (the "**Fund**") is the owner of certain real property located at 15700 River Road, Germantown, Montgomery County, Maryland, as is more particularly described in **Exhibit A** attached hereto and made a part hereof ("**Property**"); and

WHEREAS, the Fund leased the Property to Tenant by a certain lease ("**Lease**") dated July 16, 2003; and

WHEREAS, Tenant consents to the Fund entering into this Agreement with the County and executes this Agreement evidencing such consent; and

WHEREAS, the County has identified the Property as a desirable location for the County's communication equipment; and

WHEREAS, the purpose of this Agreement is to permit the County to license a portion of the Property from the Fund in order to install, operate and maintain a wireless telecommunications facility ("**Communications Facility**").

NOW THEREFORE, for good and valuable consideration, the sufficiency of which is hereby acknowledged, the Parties hereto covenant and agree as follows:

1. Licensed Area and Use:

(a) The Fund licenses to the County the exclusive right to use a portion of the Property, shown as all the property within the attached **Exhibit B**, as a 70' x 70' fenced compound housing the Communications Facility ("**Licensed Area**"). The County shall be permitted to install, operate and maintain at the Licensed Area, among other equipment, an antenna support structure on which the County may install its antennas and sublet space to third parties to locate antennas in the manner permitted in this Agreement.

(b) The Licensed Area shall be limited for use by the County for the purposes of installing, operating, maintaining, repairing, upgrading and replacing the communication equipment described in **Exhibit C** attached hereto and made a part hereof ("**Communications Equipment**") and installing utilities to provide utility service to the Communications Equipment. As used in this Agreement, Communications Equipment will include an antenna support structure, antennas, cables, equipment cabinets, shelters, generators, fuel tanks and any and all structures and equipment needed to construct, operate or maintain the Communications Facility. The County is permitted to construct a security fence to secure the Communications Equipment at the Licensed Area, so long as said construction is in conformance with all applicable laws.

The County will provide a landscape plan for the Licensed Area. The landscaping plan shall be conceptualized in a way as to make the Licensed Area environmentally natural within the surrounding area and may include, but not be limited to, berms to hide any above grade structures, wood and or other decorative fencing, and additional landscaping material such as trees and shrubs. The details of the landscape plan will be part of the construction drawings ("Construction Drawings"), as defined at Section 25(m) herein, to be provided by the County. The cost of the landscaping plan shall not exceed Five Thousand Dollars (\$5,000.00).

2. Ingress & Egress to Licensed Area:

The Fund grants the County a non-exclusive license for utilities and access at all times (24 hours/day, 7 days/week), on foot or by motor vehicle, including trucks, to access the Licensed Area from the nearest public right-of-way on River Road to the Licensed Area, which is an area approximately 160 feet in length and 30 feet in width, and is labeled on the attached **Exhibit B** as 'Proposed 30' Access and Utility Area' ("**Access Area**"). The Fund agrees to consider granting additional licenses on the Property to the County that may be necessary to construct and operate the Communications Facility, which licenses shall require the mutual agreement of the Parties in writing. The County is permitted to construct and maintain the Access Area, so long as said construction is in conformance with all applicable laws. **Exhibit B** includes a detailed construction



plan for the Access Area, including details on how the entry point off River Road will be secured from the general public.

3. Term and Commencement Date:

- (a) This Agreement shall be effective as of the date of execution by both Parties (the "**Effective Date**"). The initial term of the Agreement shall be five (5) years ("**Initial Term**"). The commencement date for the Initial Term shall be the earlier to occur of: (i) the first (1<sup>st</sup>) day of the month following the month in which the County obtains its final permits and Government Approvals (defined in 6b below) to construct the Communications Facility, or (ii) the date which is one (1) year after the Effective Date, unless otherwise agreed in writing prior thereto by the Fund ("**Commencement Date**"). The Fund and the County agree that they shall execute a written acknowledgement confirming the Commencement Date prepared by the County at least fifteen (15) days in advance thereof. In the event that the County has not received all necessary approvals for use of the Licensed Area within eighteen (18) months from the Effective Date, the County may terminate this Agreement immediately without further liability hereunder. The Fund may extend the time period for the County to obtain all necessary approvals upon the County's written request for an extension which must be accompanied by evidence that it has been and is continuing to diligently pursue the required approvals.
- (b) This Agreement will automatically be extended at the end of the Initial Term for four (4) additional terms of five (5) years in each term (individually, an "**Extension Term**"), unless (i) the County is in default of the Agreement at the end of the then current term or at the commencement of the Extension Term and the Fund has provided at least thirty (30) days' written notice to the County that the Fund will not extend the Agreement, or (ii) the County terminates the Agreement at the end of the then current term by giving the Fund written notice of the intent to terminate at least thirty (30) days prior to the end of the then current term, or (iii) the Agreement is terminated earlier in accordance with the provisions of this Agreement. Each Extension Term shall be upon the same terms and conditions which were in effect before the end of the last Extension Term with the appropriate rental rate increases defined in Section 4.
- (c) The Initial Term, and any Extension Terms, are referred to in this Agreement as the **Term**.
- (d) Termination: This Agreement may be terminated by the Fund (i) without cause at any time after the first Extension Term, upon twenty-four (24) months prior written notice, which notice may be provided during the first Extension Term; or (ii) in the event of sale of the Property or any portion

that contains all or part of the Licensed Area or the Access Area, upon twenty-four (24) months prior written notice, subject to the County's rights upon sale and termination under Section 24 of this Agreement.

4. Rent:

- (a) The County must pay the Fund, as annual rent, Twenty-Six Thousand Dollars exactly (\$26,000.00) ("**Fee**" or "**Fee Payment**") in equal quarterly installments of Six Thousand Five Hundred Dollars (\$6,500). The initial Fee Payment is due prior to the Commencement Date, and thereafter, quarterly in advance on the first day of each calendar quarter. Any rent payable for a portion of a month shall be prorated based upon a thirty (30) day calendar month.
- (b) All Fee Payments and other monies required to be paid by the County hereunder, shall be paid to the Fund without deduction or offset, and, except as may be specifically set forth in this License without prior notice or demand, in lawful money of the United States of America, at the Funds' account at Bank of America or at such other place as the Fund may, from time to time, designate in writing with thirty (30) days advance notice. If the time for payment of any amount due from the County to the Fund is not set forth in this License, such amount shall be due on the date that is thirty (30) days after the date the County receives such request for payment.
- (c) The Fee increases by three percent (3%) annually on each anniversary of the Commencement Date.
- (d) If the County fails to pay the Fee to the Fund on the date required in this Section 4, the County must pay a late charge of five percent (5%) of the total amount of the Fee Payment if the Fee Payment is made more than ten (10) calendar days after the due date.
- (e) Except for the soil boring tests provided under Section 6(b) and Section 10, the County will not install any of the Communication Equipment on, or in any way disturb, the Property until the Commencement Date and payment of the initial Fee Payment.

5. Taxes and Operating Expenses:

- (a) At the County's sole cost and expense, the County must have separate utility meters installed at the Licensed Area to measure the utility consumption of its Communications Facility. The County must contract with, and make direct payment to the public utility companies for the installation of the utility meters and for all utilities consumed by the Communications Facility. If the public utility companies require



easements on the Property in order to install the utilities, the Fund agrees to cooperate with said utilities to the greatest extent possible in the granting and recording of such easements among the land records.

- (b) Any tax, assessment, levy, charge, fee, or license directly attributable to the County's leasehold improvements on the Licensed Area ("**Assessments**") must be paid in full by the County within thirty (30) days of the County's receipt of any bill evidencing such Assessment.

6. Permits, Soil Borings and Governmental Approvals:

- (a) The Fund agrees, at the County's sole cost and expense, to exercise commercially reasonable efforts to cooperate with the County in obtaining any licenses, permits and other approvals required by any federal, state or local authority for the County's use of the Licensed Area and the installation and use of the Communications Equipment.
- (b) It is understood and agreed that the County's ability to use the Licensed Area is contingent upon its obtaining all of the certificates, permits and other approvals (collectively the "**Governmental Approvals**") that may be required by any federal, state or local authorities, as well as a satisfactory environmental report including soil boring tests, which are required for the County's use of the Licensed Area prior to the Commencement Date of this Agreement. The Fund, at the County's sole cost and expense, will use commercially reasonable efforts to cooperate with the County in its effort to obtain the Governmental Approvals and shall not make any changes to the Licensed Area that would prevent the proposed use thereof by the County.
- (c) In the event that, prior to the Commencement Date: (i) any of the County's applications for Governmental Approvals are rejected; (ii) any Governmental Approval issued to the County is canceled, expires, lapses, or is otherwise withdrawn or terminated by a governmental authority; (iii) the County determines that such Governmental Approvals may not be obtained in a timely manner; (iv) the County determines that the Licensed Area is no longer technically compatible for its use; or (v) the County, in its sole discretion, determines that it will be unable to use the Licensed Area for its intended purposes, the County shall have the right to terminate this Agreement. Notice of the County's exercise of its right to terminate this Agreement under this subsection must be made prior to the Commencement Date and must be given to the Fund in writing in the manner required under Section 17.

7. Indemnification:

- (a) The County agrees to indemnify the Fund and save it harmless from and against any and all claims, actions, damages, liability and expense in

connection with loss of life, personal injury and/or damage to property arising from or out of any occurrence upon or at the Licensed Area, or the occupancy or use by the County of the Access Area and the Licensed Area or any part thereof occasioned wholly or in part, to such extent, by any negligent act or omission of the County, its agents, contractors, or employees, except in the case of the negligence, wrongful acts or omissions of the Fund, its agents or employees. The County's liability under this paragraph is subject to, limited by, and contingent upon the appropriation and availability of funds, as well as the notice requirements and damages limitations stated in the Local Government Tort Claims Act, Section 5-301 et seq., Courts and Judicial Proceedings Article, Annotated Code of Maryland (together the "County Indemnification Statutes"), all as amended from time to time. This indemnification is not intended to create any rights or causes of action in any third parties or to increase the County's liability over and above the caps provided in the County Indemnification Statutes, as applicable. Nothing herein shall be construed to abrogate, impair, or waive any defense to liability, damages limitation, or governmental immunity of the Fund, its members, officers, employees, or agents pursuant to Maryland law, or otherwise.

- (b) The Fund shall not be responsible for any loss or damage to the Communications Equipment or the Communications Facility or for damage to any person or any property in or upon the Access Area and the Licensed Area, except to the extent such loss or damage arises out of the misconduct or negligence of the Fund or any of the Fund's agents, servants, or employees, and will indemnify County for any such loss or damage that arises from same.

8. Compliance with Law:

The County must, at its sole cost and expense, comply with all of the applicable requirements of the county, municipal, state, federal, and other applicable governmental, authorities, now in force, or which may hereinafter be in force.

9. Electrical or Magnetic Interference:

- (a) The County warrants that its Communications Equipment will not materially interfere with use and enjoyment of the property by the Fund or any third party located at the Property, including material interference with the communications system of the Fund or any such third party. Material interference must be measured in accordance with industry standards at the time of the alleged material interference. In the event a material interference is identified as being caused by the County's Communications Equipment, the County will immediately power-down the equipment causing the interference (permitting power-up for intermittent testing) until such interference issue is resolved.



- (b) The Fund warrants that it shall not allow any use of the Property by it or any third party to cause material interference with the County's use of the Licensed Area. In the event of such material interference, the Fund will immediately require the interfering party to immediately power-down and disable the interfering equipment until such interference issue is resolved, and later powering up such equipment for intermittent testing must be accomplished in the manner required by the County and the applicable safety organizations whose operations were materially interfered with. If the material interference is not remedied within thirty (30) days of the County's initial notice to the Fund, the County may terminate this Agreement, in addition to the right to pursue reasonable and applicable legal or equitable remedies.

10. Survey Period:

After the Effective Date, the County shall have access to the Access Area and the Licensed Area during business hours for the purpose of performing necessary engineering surveys, inspections, environmental testing and other reasonably necessary tests relating to the County's proposed use of the Licensed Area. The County must provide the Fund with advance written notice of each exercise of its rights under this Section 10. The surveys and inspections by the County may not disturb any of the Licensed Area without the Fund's consent, which consent shall not be unreasonably withheld, conditioned or delayed. Notwithstanding the immediately foregoing sentence, upon the Effective Date the Fund grants the County consent to conduct land disturbance activities and tests at the Licensed Area limited to drilling soil boring holes. The County agrees to restore to its prior condition any portion of the Licensed Area disturbed by the County within ten (10) days of any disturbing activity.

11. Improvements:

- (a) Installation and maintenance of the County's Communications Equipment must be done at the County's sole expense, using contractors who are fully licensed to perform the work. Such work must be performed in accordance with all applicable laws.
- (b) The County must not damage the Property, the Access Area, the Licensed Area or any personal property or fixtures located on the Property and must repair any damage caused by the County or its employees, agents or contractors within thirty (30) days' after receiving notice of the damage from the Fund to the same condition as it was before the damage.
- (c) It is understood and agreed by and between the Parties that the Communications Equipment remains, at all times, the property of the County, and the County shall have the right to remove, replace and

upgrade the same, as provided in Paragraph 1(b), at any time during the Term, whether or not the Communication Equipment is considered to be fixtures and attachments to real property under applicable laws. It is further agreed that upon the expiration or earlier terminations of this Agreement the County shall, at its sole cost and expense, remove the Communications Equipment and return the Licensed Area to its condition on the Effective Date, reasonable wear and tear expected.

12. Maintenance:

- (a) The County must maintain the Licensed Area and Access Area free of hazards and debris and in good condition and in a safe state of repair and without interfering with the Fund's use of the Property.
- (b) The Fund shall maintain the Property in good condition and safe state of repair and must avoid interference with the County's use of the Licensed Area and the Access Area. The Fund must maintain the Property in a such a state that grass, vegetation, and natural or man-made items located on the grounds do not interfere with the County's access to the Communications Facility and Communications Equipment.
- (c) The County, at its sole cost and expense, shall keep and maintain the Communications Equipment in good condition and in a safe state of repair and in compliance with all laws, rules and regulations of any and all governmental authorities.
- (d) The Construction Drawings will provide details showing how the point of access to the Licensed Area is secured from River Road.

13. Insurance:

The County shall obtain and maintain during the term of this Agreement, and any extension thereof, general liability insurance with bodily injury limits of \$400,000 per person, \$800,000 per occurrence, and property damage insurance with a limit of \$400,000. The County shall have the right to self-insure. These are the maximum limits of liability for which the Montgomery County Self-Insurance Program is responsible, as determined by the Local Government Tort Claims Act, Section 5-301 et seq., Courts and Judicial Proceedings Article, Annotated Code of Maryland, as amended (the "LGTC"). If the LGTCA is amended to increase any of these limits, then the increased limits shall automatically apply to this Agreement.

14. Access:

The Fund shall have access to the Licensed Area and the Access Area for the purpose of inspecting, maintaining, and repairing the Property, provided that



such access does not interfere with the County's operations, and upon 48 hours prior notice to the County by phone to the County at the Radio Shop, 240-773-8000, except in an emergency upon which occurrence no notice will be required, but the Fund will provide notice to the County as soon as reasonably possible under the circumstances.

At no time shall the Fund have access to the interior of the County's shelter or to its generator.

15. Default; Remedies:

- (a) County Default. In the event there is a breach by the County with respect to the County's obligations under this Agreement, the Fund shall give the County written notice of the breach.

After receipt of such written notice, the County shall have fifteen (15) business days in which to cure any monetary breach or thirty (30) days in which to cure any non-monetary breach.

The County shall have an extended period as may be required beyond the thirty (30) days if the nature of the cure is such that it reasonably requires more than thirty (30) days and

- (i) the County commences the cure within the thirty (30) day period,
- (ii) provides a plan to complete the cure within a reasonable time that is approved in writing by the Fund, and
- (iii) thereafter continuously and diligently pursues the cure to completion.

The Fund may not maintain any action or effect any remedies for default against the County unless and until the County has failed to cure the breach within the time periods provided in this subsection. Upon the County's default and failure to timely cure, the Fund may proceed to terminate the County's access and use, in addition to any other rights and remedies available to it for such default under the laws of the State of Maryland.

- (b) The Fund Default. In the event there is a breach by the Fund with respect to any of the provisions of this Agreement or its obligations under it, the County shall give the Fund written notice of such breach.

After receipt of such written notice, the Fund shall have thirty (30) days in which to cure any such breach.

The Fund shall have such extended period as may be required beyond the thirty (30) days if

- (i) the nature of the cure is such that it reasonably requires more than thirty (30) days,
- (ii) The Fund provides a plan to complete the cure within a reasonable time that is approved in writing by the County, and
- (iii) The Fund commences the cure within the thirty (30) day period and thereafter continuously and diligently pursues the cure to completion.

The County may not maintain any action or effect any remedies for default against the Fund unless and until the Fund has failed to cure the breach within the time periods provided in this subsection. Upon the Fund's default and failure to timely cure, the County may terminate this Agreement, in addition pursuing any other rights and remedies available to it for such default under the laws of the State of Maryland, subject to the privileges and immunities of the Fund, which are not waived.

16. Assignment:

Any assignment of this Agreement requires the prior written consent of the Fund, which consent shall not be unreasonably withheld, conditioned or delayed.

17. Notice:

Any and all notices or other written communications required or permitted hereunder shall be in writing, sent same day via courier or mailed postage prepaid via United States Registered Mail, Certified Mail or overnight delivery service as follows:

If to the County:

Department of Technology Services  
PSSM Radio System Infrastructure Project  
Attn: Gerry Adcock, Radio System Manger  
16647 Crabbs Branch Way  
Derwood, MD 20855

With a copy to:

Montgomery County, Maryland  
Office of County Attorney  
101 Monroe Street, 3<sup>rd</sup> Floor  
Rockville, MD 20850



With a copy to:

Montgomery County, Maryland  
Department of General Services  
Attn: Director, Office of Real Estate  
101 Monroe Street, 9<sup>th</sup> Floor  
Rockville, MD 20850

If to the Fund:

International Monetary Fund  
Attn: Chief, Global Real Estate Section  
700 19<sup>th</sup> Street, N.W.  
Washington, D.C. 20431  
csfdre@imf.org

With a copy to:

International Monetary Fund  
Attn: General Counsel and Director of the Legal Department  
700 19<sup>th</sup> Street, N.W.  
Washington, D.C. 20431  
lelease@imf.org

With a copy to:

Bretton Woods Recreation Center  
Attn: Manager  
15700 River Road  
Germantown, Maryland 20874.

The date of receipt of the notice or other written communication shall be deemed to be three (3) days after date of the postmark, or the date of the signed receipt if sent by courier or sent by a nationally recognized delivery service such as Federal Express.

18. Successors and Assigns:

- (a) This Agreement shall not create for, nor give to, any third party any claim or right of action against either party that would not arise in the absence of this Agreement.
- (b) All rights and liabilities under this Agreement shall extend to the successors and assigns of the Parties hereto. Provided, however, this

Section 18 does not permit assignments of this Agreement by either party that do not conform to the requirements of this Agreement.

19. Representations, Warranties & Eminent Domain:

- (a) The Fund hereby represents and warrants that it has full authority to enter into this Agreement and that the party executing this Agreement has the power and authority to bind the Fund.
- (b) The County hereby represents and warrants that it has full authority to enter into this Agreement and that the party executing this Agreement has the power and authority to bind the County.
- (c) If the Property or any part thereof is taken by eminent domain exercised by an entity other than the County, this Agreement shall expire on the date when the Licensed Area shall so be taken and the Fee shall be apportioned as of that date. The County shall have the right to make a separate claim with the condemning authority for the value of the County's improvements and for moving and relocation expenses; provided, however, that such separate claim shall not reduce or adversely affect the amount of the Fund's award.

20. Entire Agreement:

This Agreement is the entire agreement between the Parties on the subject matter to which it applies.

21. Time is of the Essence:

Time is of the essence for the Parties' performance of all obligations in this Agreement.

22. Hazardous Substances:

"Hazardous Substances" shall mean any substance, chemical, waste, product or the like which now or in the future is identified as hazardous, toxic, dangerous or the like, or is regulated or otherwise subject to any Environmental Laws, including, but not limited to, asbestos, polychlorinated biphenyls, urea formaldehyde insulation, and any substance which requires reporting, registration, notification, removal, abatement or special treatment, storage, handling or disposal under any Environmental Laws. The term "Environmental Laws" shall mean all existing and future Federal, state and local laws, regulations, ordinances and the like relating to the environment, as amended from time to time. Environmental Laws currently include, but are not limited to, the following: the Resource Conservation and Recovery Act of 1976 (42 U.S.C. §§6901



et. seq.) ("RCRA"), the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (42 U.S.C. §§9601 et. seq.) ("CERCLA"), the Emergency Planning and Community Right to Know Act of 1986 (42 U.S.C. §§11001, et. seq.) ("EPCRA"), the Occupational Safety and Health Act of 1970 (29 U.S.C. §§651 et. seq.) ("OSHA") and the Toxic Substances Control Act (15 U.S.C. §§2601 et. seq.) ("TSCA").

The County will not use or permit the Access Area and the Licensed Area to be used in violation of any Environmental Laws. The County assumes sole and full responsibility for, and will remedy at its cost, all such violations, provided that the County must first obtain the Fund's written approval of any remedial actions, which approval the Fund may not unreasonably withhold. The County will not use, generate, release, store, treat, dispose of, or otherwise deposit, in, on, under or about the Licensed Area, any Hazardous Substances, nor will the County permit or allow any third party to do so, without the Fund's prior written consent. The foregoing shall not preclude the County from using materials commonly used in the course of operating a wireless communications facility, provided that the County properly uses, handles and disposes of the same in accordance with applicable law and the manufacturers' instructions with respect thereto.

23. Governing Law; Immunities of the Fund; Dispute Resolution:

- (a) This Agreement shall be deemed to have been executed in the State of Maryland, and the Parties agree that the terms and performances hereof shall be governed by and construed in accordance with the laws of the State of Maryland.
- (b) Notwithstanding any other provision of this Agreement to the contrary, under Article IX of the Articles of Agreement of the International Monetary Fund (given force of law by 22 U.S.C. section 286h) and under the International Organizations Immunities Act (22 U.S.C. section 288(a)(b)), the Fund and its assets, property, income and its authorized operations and transactions are immune from all taxation and from every form of judicial process. These immunities are not waived under this Agreement or any transaction hereunder, and any purported waiver of said immunities or submission to the jurisdiction of any court, unless expressly approved by the Executive Board of the Fund, is unauthorized and shall be void.
- (c) All disputes arising out of or in connection with this Agreement shall be finally settled under the Rules of Arbitration of the International Chamber of Commerce by three (3) arbitrators appointed in accordance with the said Rules. The arbitration shall be decided according to the terms of this Agreement and the governing law as specified in this Agreement. The place of the arbitration shall be Washington, D.C. The language of the

arbitration shall be English. The submission of a dispute to arbitration shall not constitute a waiver of the Fund's immunities in any respect, specifically, any award that may be rendered against the Fund shall not be enforceable in any court.

24. Rights Upon Sale or Termination:

If the Fund, at any time during the Term, (i) sells or transfers all or any part of the Property to a purchaser other than the County, or (ii) grants to a third party an interest in, or to, any portion of the Access Area or the Licensed Area, the County hereby consents to the same provided that such sale or transfer of the Property, the Access Area, or the Licensed Area must be under and subject to this Agreement, and any such purchaser or transferee must recognize the County's rights under the terms of this Agreement.

In the event the Fund exercises its termination right under either Section 3(d)(i), or exercises its termination right under Section 3(d)(ii) without requiring the purchaser or transferee to recognize the County's rights under the terms of this Agreement, the Fund shall reimburse the County for the reasonable cost of:

- (i) the services of a County contractor, to locate a replacement site of the County's choosing for the County's Communications Facility, which services may include, but will not be limited to, negotiating the terms of a lease or other like agreement; the cost of such services not to exceed a maximum of \$25,000 and the duration of the services not to exceed a maximum period of 24 months from the date of notice under Section 3(d), whereupon any costs associated with the County contractor shall be borne solely by the County;
- (ii) moving the Communications Facility and Communications Equipment to a new location of the County's choosing, which will include, but not be limited to, removing the Communications Facility and Communications Equipment from the Licensed Area and relocating it to the new location, such removal and relocation costs not to exceed a total of \$125,000 and any costs above that threshold to be borne solely by the County; and
- (iii) the depreciated value of the Communications Equipment according to generally accepted accounting principles.

25. Miscellaneous:

- (a) No Partnership. The Fund is not a partner, joint venturer or associate of the County in the County's use of the Access Area or Licensed Area.
- (b) Non-Discrimination. Subject to and without waiving any of its immunities, the Fund agrees to comply as applicable with the non-discrimination in



employment policies in County contracts as required by Section 11B-33 and Section 27-19 of the Montgomery County Code (2004), as amended, as well as all other applicable state and federal laws and regulations regarding employment discrimination. The Fund assures the County that in accordance with applicable law, it does not, and agrees that it will not discriminate in any manner on the basis of race, color, religious creed, sex, marital status, national origin, ancestry, disability, sexual orientation or genetic status.

- (c) Non-Appropriation. Any obligation or liability of the County arising in any way from this Agreement is subject to, limited by, and contingent upon the appropriation and availability of funds, as well as the damage caps and notice requirements provided for in state law, including the Local Government Tort Claims Act. If funds sufficient for the County to perform under this Agreement are not appropriated, then this Agreement shall automatically terminate at 11:59 p.m. on the last day for which funding is appropriated. This Agreement is not intended to create any rights or causes of action in any third parties or to increase the County's liability above the caps established by law.
- (d) Contract Solicitation. The Fund represents that it has not retained anyone to solicit or secure this Agreement from the County, upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, except for bona fide employees or bona fide established, licensed commercial selling or leasing agencies maintained by the Fund for the purpose of securing business or an attorney rendering professional legal service consistent with applicable canons of ethics.
- (e) Public Employment. The Fund understands that unless authorized under Chapter 19A and Section 11B-52 of the Montgomery County Code 1994, as amended, it is unlawful for any person transacting business with Montgomery County, Maryland, to employ a public employee for employment contemporaneous with his or her public employment.
- (f) Force Majeure. If the Fund or the County is unable to fulfill any obligation hereunder, or is delayed in so doing, by reason of war, civil unrest, strike, labor troubles, inability to procure services, materials, permits or licenses, unusually inclement weather, governmental delays, acts of God, or any other cause beyond the reasonable control of the Fund, the time within which the Fund or the County would otherwise have been obligated to fulfill such obligation shall be extended for a period equal to the period of such delay. This section shall not apply to the payment of any monetary obligation of the Fund or the County.
- (g) Brokerage. Each of the parties hereto represents and warrants that there are no brokerage commissions or finder's fees of any kind due to anyone.

Each party agrees to defend and indemnify the other against, and hold it harmless from, all liabilities arising from any claim for brokerage compensation from any other party including, without limitation, the cost of counsel fees in connection therewith.

- (h) Waiver of Jury. Each party waives any right to a trial by jury in any legal action relating to this Agreement.
- (i) Obligations Surviving Agreement. Any obligations and liabilities of the Parties shall survive the expiration or termination of this Agreement.
- (j) Headings. The headings of Sections and subsections are for reference only and shall not be deemed to limit, construe, affect, modify or alter the meaning of those Sections or subsections.
- (k) Remedies Cumulative. Any and all rights and remedies hereunder are cumulative and are in addition to such other rights and remedies as may be available at law or in equity.
- (l) No Waiver. The failure of either party to enforce any terms or conditions of this Agreement shall not constitute a waiver of the same or other terms and conditions or otherwise prevent or preclude a party from exercising the rights or remedies hereunder, at law or in equity. Any waiver by a party to enforce the terms or conditions of this Agreement must be in writing signed by such waiving party.
- (m) Construction Drawings. The Parties agree that, prior to construction, the County will submit a copy of the detailed Construction Drawings to the Fund for the Fund's approval, which approval will not be unreasonably delayed, conditioned or withheld by the Fund.

**{signature page follows}**



IN WITNESS WHEREOF, the Parties' authorized representatives executed this Agreement as of the last date set forth below.

WITNESS

Julie L White

LICENSEE

**MONTGOMERY COUNTY, MARYLAND**

By: Fariba Kassiri

~~Ramona Bell Pearson~~

Assistant Chief Administrative Officer

Date: 1/22/19

APPROVED AS TO FORM AND  
LEGALITY OFFICE OF THE  
COUNTY ATTORNEY

By: Neal Anker  
Neal Anker  
Associate County Attorney

Date: 12/24/18

RECOMMENDED BY:

By: Cynthia Brenneman by BA  
Cynthia Brenneman, Director  
Office of Real Estate

Date: 12/24/18

WITNESS

Oliver

TENANT

**BRETTON WOODS RECREATION CENTER**

By: Edward Rowan

Name: EDWARD ROWAN

Title: General Manager

Date: 1/30/19

WITNESS

g. D. Liu

LICENSOR

INTERNATIONAL MONETARY FUND

By: W. J.

Name: Anna Yang

Title: Asst Director, Facilities Mgt

Date: 1/24/18



**Exhibit A**

(Legal Description of the Property)

State Department of Assessment and Taxation (SDAT) Account Identifier: District 06  
Account Number 03246106

Deed Reference: Recorded in Liber 3588 at Folio 407 among the Land Records of  
Montgomery County, Maryland.

Description: Parcel "A" Bretton Woods Recreation Center, Plat No. 20938

Montgomery County Tax Map DR41, Parcel N222

Premises Address: 15700 River Road, Germantown, Maryland 20874-3534

**Exhibit B**

(Description of Licensed Area and Access Area)

See Attached Construction Drawings Labeled T-1 through E-6



**PROJECT DESCRIPTION**  
 INSTALLATION OF ANTENNAS, MICROWAVE DISHES, COAXIAL CABLE, AND ASSOCIATED MOUNTS ON A PROPOSED 230' SELF-SUPPORT TOWER.  
 INSTALLATION OF A 11'-8"x30'-0" UNMANNED EQUIPMENT SHELTER ON CONCRETE FOUNDATION.  
 PROPOSED ELECTRIC SERVICE TO SITE AND EQUIPMENT SHELTER. NO WATER SUPPLY OR SEWAGE TO/FROM THE SITE.

**SITE NAME**  
 BRETTON WOODS

**SITE ADDRESS**  
 15700 RIVER ROAD  
 GERMANTOWN, MD 20874

**SITE COORDINATES**  
 LATITUDE - N 39° 04' 39.54209"  
 LONGITUDE - W 77° 20' 14.94270"

#### SITE INFORMATION

**LANDLORD**  
 INTERNATIONAL MONETARY FUND

**APPLICANT**  
 JUDY MILLER  
 PSSM RADIO SYSTEM INFRASTRUCTURE PROJECT,  
 DEPARTMENT OF TECHNOLOGY SERVICES  
 MONTGOMERY COUNTY  
 PH: (240) 773-7214

**CONTACT**  
 PAUL KETNER  
 MOTOROLA SOLUTIONS  
 PH: (484) 767-5559

**PROJECT MANAGER**  
 PYRAMID NETWORK SERVICES, LLC  
 KEVIN CLARDON  
 PH: (513) 228-2992  
 EMAIL: KCLARDON@PYRAMIDNS.COM

**ARCHITECTURAL AND ENGINEERING**  
 MISSION 1 COMMUNICATIONS  
 SCOTT HARTMAN  
 6355 CONSTITUTION DRIVE, SUITE A  
 FORT WAYNE, IN 46804  
 PH: (260) 410-0852  
 EMAIL: SHARTMAN@M1COMM.COM

#### CONSULTANT TEAM

MONTGOMERY COUNTY REPRESENTATIVE:	RECEIVED:
	ACCEPTED:
MOTOROLA:	RECEIVED:
	ACCEPTED:
PROPERTY OWNER:	RECEIVED:
	ACCEPTED:
RECEIVED AND ACCEPTED	

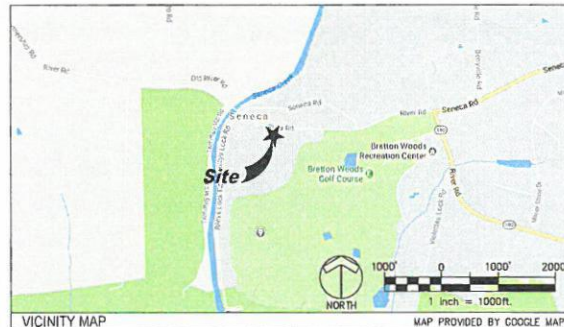


#### DIRECTIONS TO SITE

3	12-20-17	REVISED UTILITY DIAGRAM & GROUNDING	RIV/SAH
2	12-11-17	CONSTRUCTION DRAWINGS	MLM/SAH
1	12-08-17	ZONING DRAWING	RIV/SAH
0	09-25-17	ZONING DRAWING	RIV/SAH
M	09-22-17	ZONING REVIEW SET	RIV/SAH
NO.	DATE	REVISIONS	BY CHK APP'D

# BRETTON WOODS

15700 RIVER RD.  
 GERMANTOWN, MD 20874  
 MONTGOMERY COUNTY



## DRAWING INDEX

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- GN-2 GENERAL NOTES
- GN-3 ABBREVIATIONS AND LEGEND
- C-1 SITE LOCATION PLAN
- C-2 OVERALL SITE PLAN
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- C-4 TOWER ELEVATION AND ANTENNA INFORMATION
- C-5 ANTENNA MOUNT DETAILS
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- E-3 GROUNDING PLAN
- E-4 GROUNDING SCHEMATIC AND NOTES
- E-5 GROUNDING DETAILS
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 LICENSE NO. 46804, EXPIRATION DATE 03/31/18

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 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.



**MOTOROLA SOLUTIONS**



PROJECT INFORMATION, LOCATION MAPS, AND DRAWING INDEX

BRETTON WOODS  
 GOLF COURSE  
 15700 RIVER RD.  
 GERMANTOWN, MD 20874

PRINTED AT  
 24x36

T-1

# GENERAL REQUIREMENTS

## 1.1. SUMMARY OF WORK

A. THE WORK MAY CONSIST OF, BUT NOT BE LIMITED TO, THE INSTALLATION OF EQUIPMENT CABINETS, ANTENNAS, AND LINES, FUEL TANKS, GROUNDING, ELECTRICAL WORK, ETC., ASSOCIATED WITH THE MOTOROLA EQUIPMENT AS INDICATED ON DRAWINGS AND AS SPECIFIED HEREIN. CONTRACTOR SHALL SUPPLY ALL PERMANENT MATERIALS/EQUIPMENT REQUIRED AND ALL LABOR, EQUIPMENT, TOOLS, UTILITIES, MINOR HARDWARE/MATERIALS, TRANSPORTATION AND FACILITIES NECESSARY FOR PROPER EXECUTION AND COMPLETION OF SERVICES AND INSTALL WORK, WHETHER TEMPORARY OR PERMANENT. CONTRACTOR SHALL BE OBLIGATED TO PERFORM ALL THE WORK OUTLINED IN THESE DRAWINGS IN ACCORDANCE WITH THE CONTRACT AGREEMENT, FEDERAL REGULATIONS, STATE REQUIREMENTS, LOCAL CODES, COMMERCIAL/INDUSTRY STANDARDS, DETAILED SCOPE OF WORK AND THE DOCUMENTS IDENTIFIED BELOW. IN CASE OF A CONFLICT BETWEEN THE ABOVE LISTED DOCUMENTS REGARDING STANDARDS OF WORK, THE MORE STRINGENT CRITERIA SHALL APPLY. ANY ADDITIONAL COSTS OR DELAYS RESULTING FROM CORRECTION OF THE WORK TO COMPLY WITH THE ABOVE REQUIREMENT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

## 1.2. SITE VISIT

CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE ITSELF WITH THE SCOPE OF WORK REQUIRED PER THE DRAWINGS AND ALL LOCAL CONDITIONS AND LAWS AND REGULATIONS THAT MAY IN ANY MANNER AFFECT THE PRICE, PROGRESS AND PERFORMANCE OF WORK, INCLUDING ANY COSTS ASSOCIATED WITH IT. THE CONTRACTOR SHALL ALSO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND NOTIFY THE MOTOROLA REPRESENTATIVE OF ANY DISCREPANCIES OR INTERFERENCES WHICH AFFECT THE WORK OF THIS CONTRACT.

## 1.3. STANDARDS AND CODES

THE FOLLOWING DOCUMENTS (LATEST REVISION) SHALL BE CONSIDERED TO BE SPECIFICATION AND ARE INCORPORATED HEREIN BY REFERENCE. IN THE EVENT OF CONFLICT BETWEEN THE REQUIREMENTS OF THIS SPECIFICATION AND THE REQUIREMENTS OF THE REFERENCED DOCUMENTS, THE STRICTER SPECIFICATION SHALL GOVERN. WHERE PROVISIONS OF THE CODES AND STANDARDS ARE IN CONFLICT WITH THE BUILDING CODE IN FORCE FOR THIS PROJECT, THE BUILDING CODE SHALL GOVERN.

### A. AMERICAN CONCRETE INSTITUTE:

- ACI 301 - "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
- ACI 305 "HOT WEATHER CONCRETING".
- ACI 306 "COLD WEATHER CONCRETING".
- ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
- ACI 314 "RECOMMENDED PRACTICE FOR MEASURING, MIXING AND PLACING CONCRETE".
- ACI 311 "RECOMMENDED PRACTICE FOR CONCRETE INSPECTION".
- ACI 315 "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES".
- ACI 613 "RECOMMENDED PRACTICE FOR SELECTING PROPORTIONS FOR CONCRETE".

### B. AMERICAN NATIONAL STANDARDS INSTITUTE:

- ANSI Z359 REQUIREMENTS FOR PERSONAL FALL ARREST SYSTEMS, SUBSYSTEMS AND COMPONENTS
- ANSI Z87.1 OCCUPATIONAL AND EDUCATIONAL EYE AND FACE PROTECTION
- ANSI Z89.1 PROTECTIVE HEADWEAR FOR INDUSTRIAL WORKERS - REQUIREMENTS
- ANSI/IEEE C95.1 SAFETY LEVELS WITH RESPECT TO HUMAN EXPOSURE TO RADIO FREQUENCY ENERGY
- ANSI/TIA/EIA STANDARD 222: STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES.

### C. AMERICAN INSTITUTE OF STEEL CONSTRUCTION

- AISC MANUAL OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION: LATEST EDITION

### D. AMERICAN SOCIETY FOR TESTING AND MATERIALS:

- ASTM A615 - "SPECIFICATION FOR DEFORMED AND PLAIN BILLET STEEL BARS FOR CONCRETE REINFORCEMENT".
- ASTM C94-80 - "SPECIFICATION FOR READY-MIX CONCRETE".
- ASTM C39-77 - "SPECIFICATION FOR TEST FOR COMPREHENSIVE STRENGTH OF CYLINDRICAL CONCRETE SPECIMEN".
- ASTM 33 - "SPECIFICATION FOR CONCRETE AGGREGATES".
- ASTM C150 - "SPECIFICATION FOR PORTLAND CEMENT".
- ASTM C172 - "SAMPLING FRESH CONCRETE".
- ASTM C143 - "SLUMP OF PORTLAND CEMENT CONCRETE".
- ASTM D698-91 - "TEST METHOD FOR LABORATORY COMPACTION CHARACTERISTICS OF SOIL USING STANDARD EFFORT".
- ASTM D1556-84 - "DENSITY OF SOIL IN PLACE BY THE SAND-CONE METHOD".
- ASTM D1557 - "TEST FOR MOISTURE-UNIT WEIGHT RELATIONS OF SOILS AND SOIL-AGGREGATE MIXTURES USING 10-LB. HAMMER AND 18-IN. DROP". (PROCEDURE C)
- ASTM D2487 - "STANDARD CLASSIFICATION OF SOILS FOR ENGINEERING PURPOSES (UNIFIED SOIL CLASSIFICATION SYSTEM)".
- ASTM D2922 - "DENSITY OF SOIL AND SOIL AGGREGATE IN PLACE BY NUCLEAR METHODS SHALLOW DEPTH".
- ASTM D2940 - "STANDARD SPECIFICATION FOR GRADED AGGREGATE MATERIAL FOR BASES OR SUB-BASES FOR HIGHWAYS OR AIRPORTS"

### E. AMERICAN WELDING SOCIETY:

- AWS D12.1 - "RECOMMENDED PRACTICES FOR WELDING REINFORCING STEEL, METAL INSERTS AND CONNECTIONS IN REINFORCED CONCRETE CONSTRUCTION".

### F. CONCRETE REINFORCING STEEL INSTITUTE:

- "MANUAL OF STANDARD PRACTICE"

### G. FEDERAL AVIATION ADMINISTRATION:

- DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULAR, AC 70/7460-1C: OBSTRUCTION MARKING AND LIGHTING.
- DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULAR, 150-5345-43, FAA/DOO SPECIFICATION L-856: HIGH INTENSITY OBSTRUCTION LIGHTING SYSTEMS.

### H. FEDERAL COMMUNICATIONS COMMISSION:

- FEDERAL COMMUNICATIONS COMMISSION - RULES AND REGULATIONS PART 17, CONSTRUCTION, MARKING, AND LIGHTING OF ANTENNA STRUCTURES.

### C. STRUCTURAL STEEL PAINTING COUNCIL:

- SSPC-SP-1-63: SPECIFICATION FOR PAINTING STEEL STRUCTURES.

### I. MOTOROLA R56 STANDARDS AND GUIDELINES FOR COMMUNICATIONS SITES (LATEST REVISION).

### K. MOTOROLA'S CIVIL WORKS BID SPECIFICATIONS

### L. NATIONAL FIRE PROTECTION ASSOCIATION:

- 2015 NFPA 1 - FIRE PREVENTION CODE
- 2015 NFPA 101 - LIFE SAFETY CODE
- 2015 NFPA 111 - STANDARD ON STORED ELECTRICAL ENERGY, EMERGENCY AND STANDBY POWER SYSTEMS
- 2015 NFPA 780 - STANDARD FOR THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS

### M. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION:

- OSHA 1926
- OSHA DIRECTIVES CPL 2-1.29 - INTERIM INSPECTION PROCEDURES DURING COMMUNICATION TOWER CONSTRUCTION ACTIVITIES.

### N. MARYLAND STATE BUILDING AND ELECTRICAL CODE, OR AHJ CODES.

- 2015 INTERNATIONAL BUILDING CODE
- 2014 NATIONAL ELECTRIC CODE
- 2015 INTERNATIONAL FIRE CODE

### 1.4. NOTICE TO PROCEED

WHEN THE SITE IS READY FOR INSTALLATION, MOTOROLA SHALL ISSUE A NOTICE TO PROCEED TO THE CONTRACTOR. UPON RECEIPT OF THE NOTICE OF PROCEED, THE CONTRACTOR SHALL SUBMIT TO MOTOROLA A SCHEDULE REFLECTING THE WORK PLAN. THE CONTRACTOR SHALL ADVISE THE MOTOROLA REPRESENTATIVE IMMEDIATELY OF ANY SCHEDULE CHANGES. THE CONTRACTOR SHALL ADJUST HIS WORK, AS REQUIRED, TO COORDINATE WITH THE MOTOROLA INSTALLATION TEAM IF THE SCHEDULES OVERLAP.

### 1.5. MOTOROLA REPRESENTATIVE

MOTOROLA SHALL DESIGNATE A REPRESENTATIVE. THIS PERSON IS THE ONLY CONTACT POINT AUTHORIZED TO MAKE ANY CHANGES TO THE CONTRACT PROVISIONS OR THE PLANS AND SPECIFICATIONS. ANY CHANGES MADE BY THE CONTRACTOR ARE AT THE CONTRACTOR'S RESPONSIBILITY AND RISK.

### 1.6. CONTRACTORS FIELD REPRESENTATIVE

CONTRACTOR SHALL ASSIGN A FIELD REPRESENTATIVE WHO IS FAMILIAR WITH THESE SPECIFICATIONS AND WILL REPRESENT THE CONTRACTOR AND HAVE THE AUTHORITY TO ACT FOR THE CONTRACTOR AND SUPERVISE ALL CONSTRUCTION ACTIVITIES. THE REPRESENTATIVE SHALL BE AVAILABLE WHEN CONSTRUCTION ACTIVITIES BEGIN. THE FIELD REPRESENTATIVE SHALL BE THE PRIMARY POINT OF CONTACT FOR MOTOROLA DURING THE CONSTRUCTION PHASE OF THE WORK.

### 1.7. PROJECT MEETINGS

THE CONTRACTOR SHALL CONDUCT THE INITIAL (PRE-CONSTRUCTION) MEETING (INCLUDING ALL SUB-CONTRACTORS) WITH THE MOTOROLA REPRESENTATIVE WITHIN TWO WEEKS AFTER AWARD OF THE CONTRACT. SUBSEQUENTLY, THE CONTRACTOR SHALL PROVIDE PROGRESS SCHEDULE UPDATES TO MOTOROLA ON A WEEKLY BASIS.

### 1.8. MATERIALS

CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AS REQUIRED FOR COMPLETE SYSTEMS INCLUDING: ALL PARTS OBVIOUSLY OR REASONABLY INCIDENTAL TO A COMPLETE INSTALLATION, WHETHER SPECIFICALLY INDICATED OR NOT. ALL SYSTEMS SHALL BE COMPLETELY ASSEMBLED, TESTED, ADJUSTED, AND DEMONSTRATED TO BE READY FOR OPERATION PRIOR TO MOTOROLA'S ACCEPTANCE.

MATERIALS AND WORKMANSHIP SHALL BE THE BEST OF THEIR RESPECTIVE KINDS (AS DEFINED BY INDUSTRY STANDARDS), FREE OF DEFECTS AND ALL MATERIALS SHALL BE NEW AND UNUSED IN ALL CASES, UNLESS OTHERWISE SPECIFIED. WHERE THE NAME OF A CONCERN OR MANUFACTURER IS MENTIONED ON DRAWINGS OR IN SPECIFICATIONS IN REFERENCE TO A REQUIRED SERVICE OR PRODUCT, AND NO QUALIFICATIONS OR SPECIFICATION OF SUCH IS INCLUDED, THEN THE MATERIAL SPECIFICATIONS, DETAILS OF MANUFACTURE, FINISH, ETC., SHALL BE IN ACCORDANCE WITH MANUFACTURER'S STANDARD PRACTICE, DIRECTION OR SPECIFICATIONS. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S / VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.

### 1.9. VERIFICATION OF EXISTING CONDITIONS

BEFORE STARTING ANY OPERATION, THE CONTRACTOR SHALL EXAMINE EXISTING WORK, OR WORK PERFORMED BY OTHERS, TO WHICH ITS WORK IS TO ADJOIN OR BE APPLIED, AND SHALL REPORT TO MOTOROLA PROJECT MANAGER ANY CONDITIONS THAT WILL PREVENT SATISFACTORY ACCOMPLISHMENT OF HIS WORK. PRIOR TO COMMENCING ANY EXCAVATION OR GRADING, THE CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF ALL SURVEY DATA AS INDICATED IN THE PLANS AND SPECIFICATIONS AND/OR AS PROVIDED BY MOTOROLA. SHOULD THE CONTRACTOR DISCOVER ANY INACCURACIES, ERRORS, OR OMISSIONS IN THE SURVEY DATA, HE SHALL IMMEDIATELY NOTIFY THE MOTOROLA REPRESENTATIVE IN ORDER THAT PROPER ADJUSTMENTS CAN BE ANTICIPATED AND ORDERED. FAILURE TO NOTIFY THE MOTOROLA REPRESENTATIVE OF DEFICIENCIES, ERRORS OR FAULTS PRIOR TO COMMENCEMENT OF WORK SHALL CONSTITUTE ACCEPTANCE THEREOF AND WAIVER OF ANY CLAIMS OF UNSUITABILITY, ERRORS, OMISSIONS OR INACCURACIES.

THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PRESERVING ALL ESTABLISHED SURVEY CONTROL POINTS. IF THE CONTRACTOR OR ANY OF HIS SUB-CONTRACTORS MOVE OR DESTROY ANY SURVEY CONTROL POINTS, THE COST INCURRED BY THE LAND OWNER OR MOTOROLA TO RE-ESTABLISH THEM WILL BE BORNE BY THE CONTRACTOR.

3	12-20-17	REVISED UTILITY DIAGRAM & GROUNDING	REV	SAH	
2	12-11-17	CONSTRUCTION DRAWINGS	MLM	SAH	
1	12-08-17	ZONING DRAWING	REV	SAH	
0	09-25-17	ZONING DRAWING	REV	SAH	
M	09-22-17	ZONING REVIEW SET	REV	SAH	
NO.	DATE	REVISIONS	BY	CHK	APP'D



GENERAL NOTES  
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# 1.10. PERMITS

THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. THE CONTRACTOR SHALL MEET ALL OF THE REGULATORY REQUIREMENTS OF THE JURISDICTION GOVERNING CONSTRUCTION.

# 1.11. SITE INSPECTION

THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY FOR ARRANGING WITH MOTOROLA FOR AN INSPECTION PRIOR TO COVERING UP ALL WORK THAT WILL BE COVERED IN FINISHED CONDITION. IT IS THE SITE GENERAL CONTRACTOR'S RESPONSIBILITY TO MANAGE THE SEQUENCE OF WORK AND REQUEST THE INSPECTIONS IN A TIMELY MANNER. THE SITE GENERAL CONTRACTOR SHALL NOT REQUEST AN INSPECTION UNLESS ALL OF THE RELATED WORK HAS BEEN COMPLETED. WORK SHALL NOT PROCEED TO THE NEXT STEP UNTIL THE PREVIOUS STEP HAS BEEN INSPECTED AND APPROVED BY THE LOCAL INSPECTORS AND THE MOTOROLA REPRESENTATIVE. THE PRESENCE OF THE OWNER OR MOTOROLA REPRESENTATIVE ON THE JOB SITE IN NO WAY RELIEVES THE SITE GENERAL CONTRACTOR OF THE ASSOCIATED RESPONSIBILITIES OF THE JOB. ANY WORK WHICH DOES NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS WILL BE CORRECTED OR REMOVED SOLELY AT THE SITE GENERAL CONTRACTOR'S EXPENSE.

THE FOLLOWING INFORMATION IS INCLUDED AS A GUIDE TO THE CONTRACTOR TO ASSIST IN DETERMINING THE TYPE AND FREQUENCY OF INSPECTIONS. THE LISTED INSPECTIONS REPRESENT THOSE REQUIRED FOR SMALL OR SIMPLE PROJECTS. LARGE OR COMPLEX PROJECTS MAY REQUIRE ADDITIONAL INSPECTIONS DEPENDING ON THE SEQUENCE OF WORK.

- FOUNDATION EXCAVATIONS AND REBAR: TO BE MADE AFTER TRENCHES ARE EXCAVATED AND FORMS ERECTED, REINFORCEMENT PLACED, CONCRETE TESTED, SOIL TREATED, VAPOR BARRIER PLACED, AND ESSENTIALLY READY FOR CONCRETE PLACEMENT.
- GROUNDING: TO BE MADE AFTER THE BELOW GROUND CADWELD CONNECTIONS HAVE BEEN COMPLETED, PRIOR TO COVERING UP THE TRENCHES.
- ELECTRICAL WORK WITHIN WALLS: TO BE MADE AFTER THE ROOF, FRAMING, FIRE BLOCKING AND BRACING IS IN PLACE PRIOR TO THE INSTALLATION OF INSULATION OR WALL/CEILING MEMBRANES.

AS A GENERAL RULE, THE CONTRACTOR SHALL PROVIDE ADVANCE NOTICE TO MOTOROLA FOR INSPECTION OF ALL WORK PRIOR TO CONCEALMENT. THE CONTRACTOR HAS RESPONSIBILITIES RELATIVE TO ALL TYPES OF INSPECTIONS AND IS RESPONSIBLE FOR CONTACTING ALL OF THE INSPECTING ENTITIES TO DETERMINE HIS RESPONSIBILITIES. ALL OF THESE INSPECTING ENTITIES HAVE UNIQUE AND SEPARATE RESPONSIBILITIES. ONE INSPECTION FROM AN ENTITY WILL NOT SUBSTITUTE FOR AN INSPECTION FROM ANOTHER ENTITY.

# 1.12. SAFETY

THE CONTRACTOR, HIS EMPLOYEES, ANY SUB-CONTRACTORS, VENDORS, THEIR RESPECTIVE EMPLOYEES AND CONTRACTOR'S VISITORS SHALL COMPLY WITH ALL SAFETY STANDARDS, ACCIDENT PREVENTION REGULATIONS AND ENVIRONMENTAL REGULATIONS PROMULGATED BY FEDERAL, STATE OR LOCAL AUTHORITIES HAVING JURISDICTION AND SHALL AT ALL TIMES CONDUCT ALL OPERATIONS UNDER THE CONTRACT IN A MANNER TO AVOID THE RISK OF BODILY HARM TO ANY PERSONS AND THE RISK OF DAMAGE TO ANY PROPERTY, EQUIPMENT OR MATERIAL. SUCH PARTIES SHALL ALSO COMPLY WITH ANY SAFETY PROGRAMS AND/OR RULES PROMULGATED BY OWNER AND/OR MOTOROLA.

# 1.13. ELECTRO-MAGNETIC EMISSIONS

THE CONTRACTOR SHALL ACKNOWLEDGE ALL OR PORTIONS OF THE WORK MAY INVOLVE POSSIBLE EXPOSURE OF CONTRACTOR, SUB-CONTRACTORS, AND THEIR RESPECTIVE EMPLOYEES, AGENTS, INVITEES, LICENSEES AND OTHER VISITORS TO THE JOBSITE AND/OR MOTOROLA PREMISES TO ELECTRO-MAGNETIC ENERGY ("EME") WHILE PERFORMING WORK UNDER THIS CONTRACT, ESPECIALLY IF WORK IS PERFORMED ON EXISTING ANTENNA TOWERS WHERE ANTENNAS ARE LOCATED. THE CONTRACTOR REPRESENTS THAT CONTRACTOR, SUB-CONTRACTORS, AND ALL OF THEIR RESPECTIVE EMPLOYEES, AGENTS, INVITEES, LICENSEES, AND OTHER AUTHORIZED REPRESENTATIVES WHO ARE PERFORMING SERVICES UNDER THIS AGREEMENT WILL COMPLY WITH ALL ANSI AND ANY OTHER APPLICABLE EME STANDARDS, RULES OR REGULATIONS, INCLUDING, BUT NOT LIMITED TO THOSE RULES OR REGULATIONS IMPOSED OR SUGGESTED BY MOTOROLA, IF ANY.

THE CONTRACTOR SHALL ADHERE TO ALL OSHA RULES, REGULATIONS AND ADOPTED POLICIES. ALL CONTRACTOR PERSONNEL SHALL HAVE UNDERGONE ELECTROMAGNETIC ENERGY (EME) TRAINING FOR PERSONNEL WORKING IN THE VICINITY OF ACTIVE ANTENNAS, AS SUCH IT IS RECOMMENDED THAT RF MONITORS BE USED BY THE TOWER PERSONNEL TO MONITOR EXPOSURE LEVELS. IF EME LEVELS AT THE SITE EXCEED THE MAXIMUM PERMISSIBLE EXPOSURE LIMITS, THE CONTRACTOR SHALL COORDINATE WITH THE INDIVIDUALS RESPONSIBLE FOR USE OF THE TRANSMITTER TO MAKE SURE THAT THE EQUIPMENT IS DEACTIVATED BEFORE WORK CAN BE RESUMED, WITHOUT CAUSING A SERIOUS DISRUPTION OF THE SERVICE.

# 1.14. SITE CLEANUP

THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE AT ALL TIMES DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, VEGETATION, AND RUBBISH, AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. WHENEVER THE WORK-SITE IS LEFT UNATTENDED, THE CONTRACTOR SHALL BLOCK THE OPENING WITH WARNING TAPE TO DISCOURAGE TRESPASSING. THE PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE AT THE CONCLUSION OF SITE WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LANDSCAPE GRADING AND SEEDING OF THE DISTURBED SOIL. THE CONTRACTOR SHALL USE LOCAL GRASS SEED TO STABILIZE SOIL AND SHALL COVER DISTURBED AREAS WITH HAY MULCH TO REDUCE RUNOFF OF SEDIMENT TO DOWNSTREAM AREAS. THE CONTRACTOR SHALL RESTORE THE SITE TO ITS ORIGINAL CONDITION. ALL SLOPES AND DISTURBED AREAS NOT RECEIVING AGGREGATE SURFACING ARE TO BE PREPARED AND BROADCAST SEEDING AND FERTILIZED FOR EROSION PROTECTION. SEEDING FOR AREAS DISTURBED SHALL BE ESTABLISHED SEASONALLY AS REQUIRED BY LOCAL CODES.

THE CONTRACTOR SHALL EXERCISE ALL CARE TO AVOID DAMAGE OR INTERRUPTION OF EXISTING UNDERGROUND OR OVERHEAD ELECTRIC SERVICES, UNDERGROUND GROUNDING AND FUEL LINES, EQUIPMENT AND BUILDINGS ON THE SITE, PLUS OFF SITE SERVICES, BURIED OR OVERHEAD, SURROUNDING THE EXISTING OR EXPANDED COMPOUND. ANY PROPERTY DAMAGE CAUSED BY THE CONTRACTOR OR HIS OPERATIONS SHALL BE CORRECTED AND/OR RESTORED TO THE SATISFACTION OF THE PROPERTY OWNER(S) AND MOTOROLA AT NO ADDITIONAL COST TO THE PROPERTY OWNER OR MOTOROLA. BURNING WILL NOT BE PERMITTED.

# 1.15. FACILITY STARTUP & COMMISSIONING

THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL DEMONSTRATE TO MOTOROLA THAT ALL SYSTEMS AND SUB-SYSTEMS INSTALLED UNDER THIS CONTRACT, OPERATE PROPERLY PRIOR TO THE FINAL ACCEPTANCE INSPECTION AND PROVIDE THE OPERATIONS AND MAINTENANCE MANUALS AT THIS TIME.

# 1.16. SHOP DRAWINGS/AS-BUILT DRAWINGS

THE MODIFICATIONS TO THE DRAWINGS AFTER CONSTRUCTION START SHALL RECEIVE ENGINEERING AND MOTOROLA APPROVAL PRIOR TO ANY CHANGES BEING MADE. THE ENGINEER OF RECORD SHALL MAKE THE REQUIRED CHANGE AND WILL SUBMIT CHANGES TO MOTOROLA AND ANY JURISDICTION HAVING AUTHORITY.

THE CONTRACTOR SHALL KEEP UP-TO-DATE MARKED-UP PRINTS OF THE PROJECT DRAWINGS. UPON COMPLETION OF WORK AT THE SITE, THE CONTRACTOR SHALL REVIEW THE COMPLETED AS-BUILT DRAWINGS, AND ASCERTAIN THAT ALL DATA FURNISHED ON THE DRAWINGS IS ACCURATE AND TRULY REPRESENTS THE WORK IS ACTUALLY INSTALLED. MARKINGS INDICATING CHANGES TO THE DRAWINGS SHALL BE RED OR GREEN AND CLEARLY VISIBLE. TWO (2) SETS OF "AS-BUILT" DRAWINGS SHALL BE FURNISHED TO THE MOTOROLA REPRESENTATIVE WITHIN 5 DAYS OF THE COMPLETION OF THE PROJECT. THESE DRAWINGS SHALL ALSO SHOW THE FOLLOWING:

- MODIFICATIONS TO SITE LAYOUT.
- GROUNDING SYSTEM LAYOUT.
- UNDERGROUND FUEL LINE RUN.
- UNDERGROUND TELCO CABLE RUN.
- UNDERGROUND ELECTRICAL RUN.

WHERE THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING THE SITE EQUIPMENT SHELTER, ISOLATION TRANSFORMER, GENERATOR, ETC.) THAT REQUIRES PERIODIC MAINTENANCE, THE CONTRACTOR SHALL INCLUDE ALL OPERATION AND MAINTENANCE MANUALS AND ALL AS-BUILT DRAWINGS WHICH FULLY DESCRIBE THE ACTUAL INSTALLED EQUIPMENT.

# 1.17. TEST PROCEDURES AND RESULTS

CONTRACTOR WILL CONTRACT WITH A THIRD PARTY "INDEPENDENT" TESTING FIRM TO PERFORM & SUBMIT THE RESULTS OF ALL TESTS REQUIRED BY THE PROJECT SPECIFICATIONS AND DRAWINGS THAT FALL WITHIN THE SCOPE OF WORK. THESE RESULTS SHALL BE SUBMITTED TO THE DESIGNATED MOTOROLA REPRESENTATIVE. IN GENERAL, THE "INDEPENDENT" TESTING FIRM SHALL SUBMIT THE FOLLOWING TEST RESULTS:

- MIX DESIGN/CONCRETE COMPRESSION TEST FOR ALL CONCRETE WORK.
- TIME DOMAIN REFLECTOMETER (TDR) WITH PRECISION LOAD / SWEEP TEST FOR ANTENNA AND TRANSMISSION LINE INSTALLATION WORK.
- FUEL LINE LEAKAGE TEST FOR FUEL TANK AND PIPING INSTALLATION WORK.
- SLUMP TEST FOR CONCRETE WORK.
- GROUNDING RESISTANCE TEST FOR GROUNDING WORK.
- STRUCTURAL STEEL FABRICATION DRAWINGS.
- ANY OTHER TEST THAT MAY BE REQUIRED.

# 1.18. CONTRACT CLOSEOUT - IN ACCORDANCE WITH MOTOROLA'S SUBCONTRACT AGREEMENT TERMS AND CONDITIONS

THE MOTOROLA REPRESENTATIVE WILL PROVIDE A CERTIFICATE OF COMPLETION AND APPROVE FINAL PAYMENT WHEN ALL PUNCH-LIST ITEMS HAVE BEEN CORRECTED, RECORD DRAWINGS SUBMITTED, AND ALL SYSTEMS ARE ACCEPTABLE. THE CONTRACTOR MUST ALSO RECEIVE A CERTIFICATE OF COMPLETION FROM THE MUNICIPALITY. AFTER FINAL PAYMENT, CONTRACTOR WILL SIGN A RELEASE OF LIEN.

# 1.19. WARRANTY

ALL WORK PERFORMED BY THE CONTRACTOR IN COMPLETING THE SCOPE IDENTIFIED ON THE DRAWINGS SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL COMPLETION OF THE PROJECT. THIS GUARANTEE SHALL COVER ALL MATERIALS, EQUIPMENT OR WORKMANSHIP WHICH IN THE OPINION OF MOTOROLA IS RENDERED DEFECTIVE OR INTERIOR OR NOT IN ACCORDANCE WITH THE TERMS OF THE CONTRACT DURING THE GUARANTEE PERIOD. IF, WITHIN THE GUARANTEE PERIOD, REPAIRS OR CHANGES ARE REQUIRED TO CORRECT THE GUARANTEE WORK, THEN UPON RECEIPT OF NOTICE, THE CONTRACTOR SHALL PROMPTLY AND WITHOUT EXPENSE TO MOTOROLA OR THE OWNER, PROCEED TO:

- PLACE IN SATISFACTORY CONDITION ALL OF SUCH GUARANTEED WORK AND CORRECT ALL DEFECTS THEREIN.
- MAKE GOOD ALL DAMAGES TO THE STRUCTURE OR SITE OR EQUIPMENT OR CONTENTS THEREOF, WHICH, IN THE OPINION OF THE MOTOROLA, IS THE RESULT OF THE USE OF MATERIALS, EQUIPMENT, OR WORKMANSHIP WHICH ARE INFERIOR, DEFECTIVE, OR NOT IN ACCORDANCE WITH THE TERMS OF THE CONTRACT.
- MAKE GOOD ANY WORK, MATERIALS OR EQUIPMENT, AND ADJACENT STRUCTURES DISTURBED IN FULFILLING THE GUARANTEE.

# 1.20. RELATED DOCUMENTS

CONTRACTOR SHALL BECOME FAMILIAR WITH THE INFORMATION AND REQUIREMENTS CONTAINED IN THE FOLLOWING DOCUMENTS RELATED TO THE PROJECT:

- A. TOWER AND TOWER FOUNDATION DRAWINGS BY THE MANUFACTURER.
- B. R-56 STANDARDS AND GUIDELINES FOR COMMUNICATIONS SITES BY MOTOROLA.
- C. ALL OTHER PERTINENT DOCUMENTS.

3	12-20-17	REVISED UTILITY DIAGRAM & GROUNDING	RVV	SAH
2	12-11-17	CONSTRUCTION DRAWINGS	MM	SAH
1	12-08-17	ZONING DRAWING	RVV	SAH
0	09-25-17	ZONING DRAWING	RVV	SAH
0	09-22-17	ZONING REVIEW SET	RVV	SAH
NO	DATE	REVISIONS	BY	CHK APP'D



GENERAL NOTES  
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## Abbreviations and Symbols

A/C	AIR CONDITIONING	N	NORTH
ADJ	ADJUSTABLE	N/A	NOT APPLICABLE
AF	ABOVE FINISH FLOOR	NIC	NOT IN CONTRACT
APPROX	APPROXIMATELY	NTS	NOT TO SCALE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS		
AWG	AMERICAN WIRE GAUGE	D/C, D.C.	ON CENTER
BLDG	BUILDING	OD	OUTSIDE DIAMETER
BLK	BLOCK	OPC	OPENING
BM	BASE MOBILE RADIO	OPP	OPPOSITE
B/S	BUILDING STANDARD	PLYW	PLYWOOD
CLG	CEILING	PR	PAIR
CLR	CLEAR	PROJ	PROJECT
CND.C	CONDUIT	PROP	PROPERTY
CONC	CONCRETE	PT	PRESSURE TREATED
CONST	CONSTRUCTION	REQ'D	REQUIRED
CONT	CONTINUOUS	RW	ROOM
		RO	ROUGH OPENING
DRL	DOUBLE	S	SOUTH
DIA.#	DIAMETER	SHT	SHEET
DIAG	DIAGONAL	SM	SIMILAR
DN	DOWN	SPEC	SPECIFICATION
DN	DOWN	SO	SQUARE
DTL.DTL.	DETAIL	SS	STAINLESS STEEL
DWG	DRAWING	STL	STEEL
		STRUCT	STRUCTURAL
E	EAST	SUSP	SUSPENDED
EA	EACH	SV	SHEET VINYL
ELEV	ELEVATION		
ELECT	ELECTRICAL	THRU	THROUGH
EQ	EQUAL	TINN	TINNED
EQUIP	EQUIPMENT	TOC	TOP OF CONCRETE
EW	EACH WAY	TOM	TOP OF MASONRY
EXIST	EXISTING	TYP	TYPICAL
EXT	EXTERIOR		
FIN	FINISH	UBC	UNIFORM BUILDING CODE
FLUOR	FLUORESCENT	UNO	UNLESS NOTED OTHERWISE
FLR	FLOOR		
FT	FOOT	VERT	VERTICAL
		VF	VERIFY IN FIELD
CA	GAUGE	VT	VINYL TILE
GALV	GALVANIZED		
CC	GENERAL CONTRACTOR	W	WEST
CRND	CROUND	W/	WITH
CWB	GYPSPUM WALL BOARD	W/O	WITHOUT
GYP BD	GYPSPUM BOARD	WP	WATER-PROOF
HARD'WO	HARDWOOD		
HORIZ	HORIZONTAL		
HJR	HOLE		
HT	HEIGHT		
HVAC	HEATING, VENTING & AIR CONDITIONING		
ID	INSIDE DIA.	A	ANGLE
IN	INCH	C	CENTER LINE
INFO	INFORMATION	E	PROPERTY LINE
INSUL	INSULATION	AT	AT
INT	INTERIOR	D	NUMBER
		#	
LB(S)	POUND(S)		
MAX	MAXIMUM		
MECH	MECHANICAL		
MET.WTL	METAL		
MFR	MANUFACTURER		
MGR	MANAGER		
MIN	MINIMUM		
MISC	MISCELLANEOUS		

## Symbols Legend

	REVISION		DETAIL REFERENCE
	KEY NOTE		ELEVATION REFERENCE
	ROOM NUMBER		SECTION REFERENCE
	KEYED NOTE		

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M	09-22-17	ZONING REVIEW SET	RVV	SAH	
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ABBREVIATIONS AND LEGEND	
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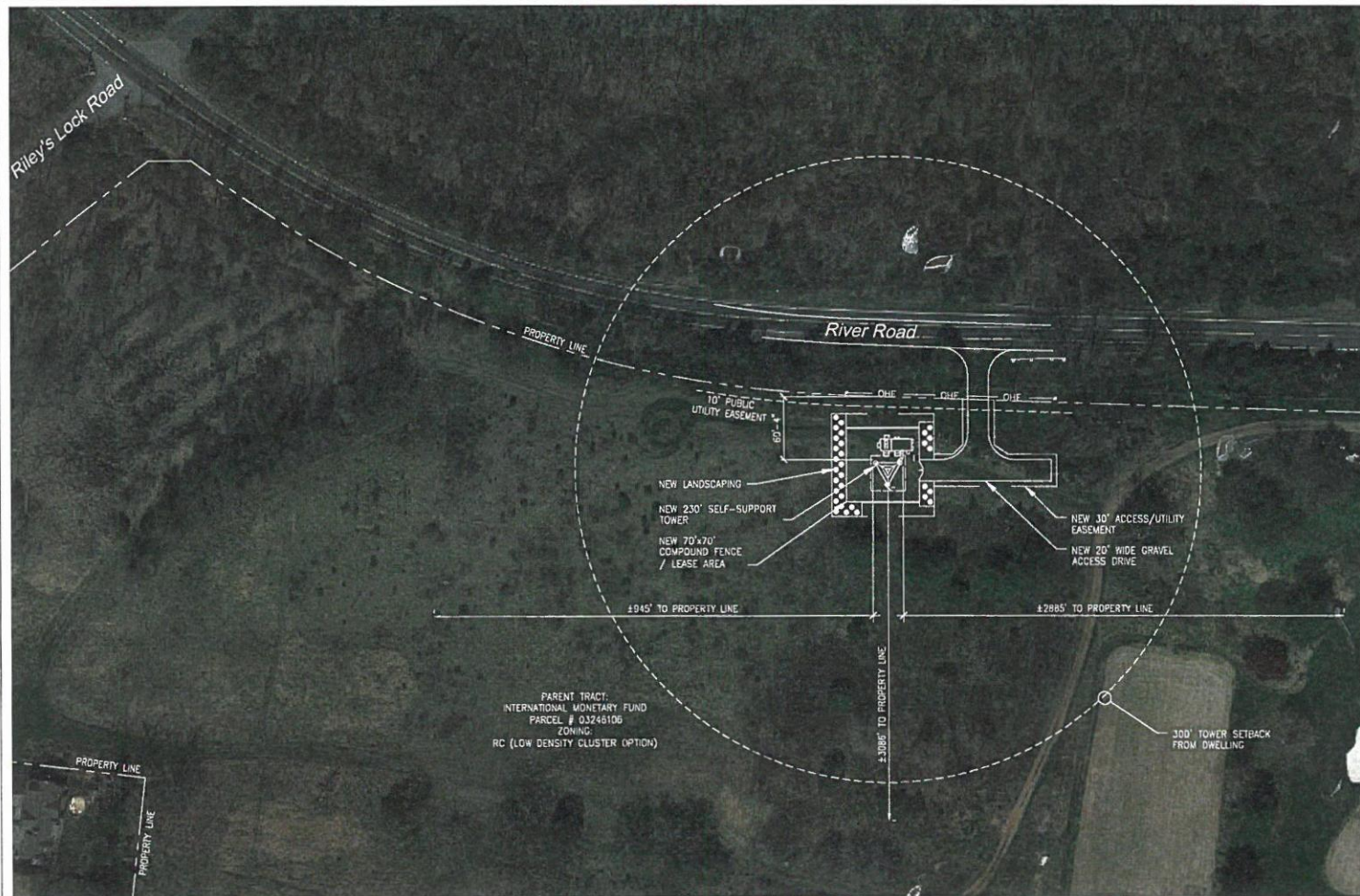
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- GENERAL NOTES:**
1. PROPERTY OFFSETS ARE APPROXIMATE. FINAL LOCATION OF COMPOUND TO BE DEVELOPED FROM TOWER &
  2. THE LOCATION, SIZE & TYPE OF MATERIAL OF EXISTING UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING THE SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS & SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION & ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES & THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS & SERVICES SHALL BE RESORTED TO SERVICE AT ONCE & PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.
  3. ALL NEW CONSTRUCTION ACTIVITIES & MODIFICATIONS SHALL COMPLY WITH MOTOROLA R-36 STANDARDS, MOST CURRENT REVISION.

ANY DISCREPANCIES BETWEEN THIS DRAWING PACKAGE AND EXISTING FIELD CONDITIONS MUST BE REPORTED TO THE ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

① Site Location Plan



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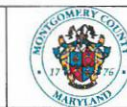


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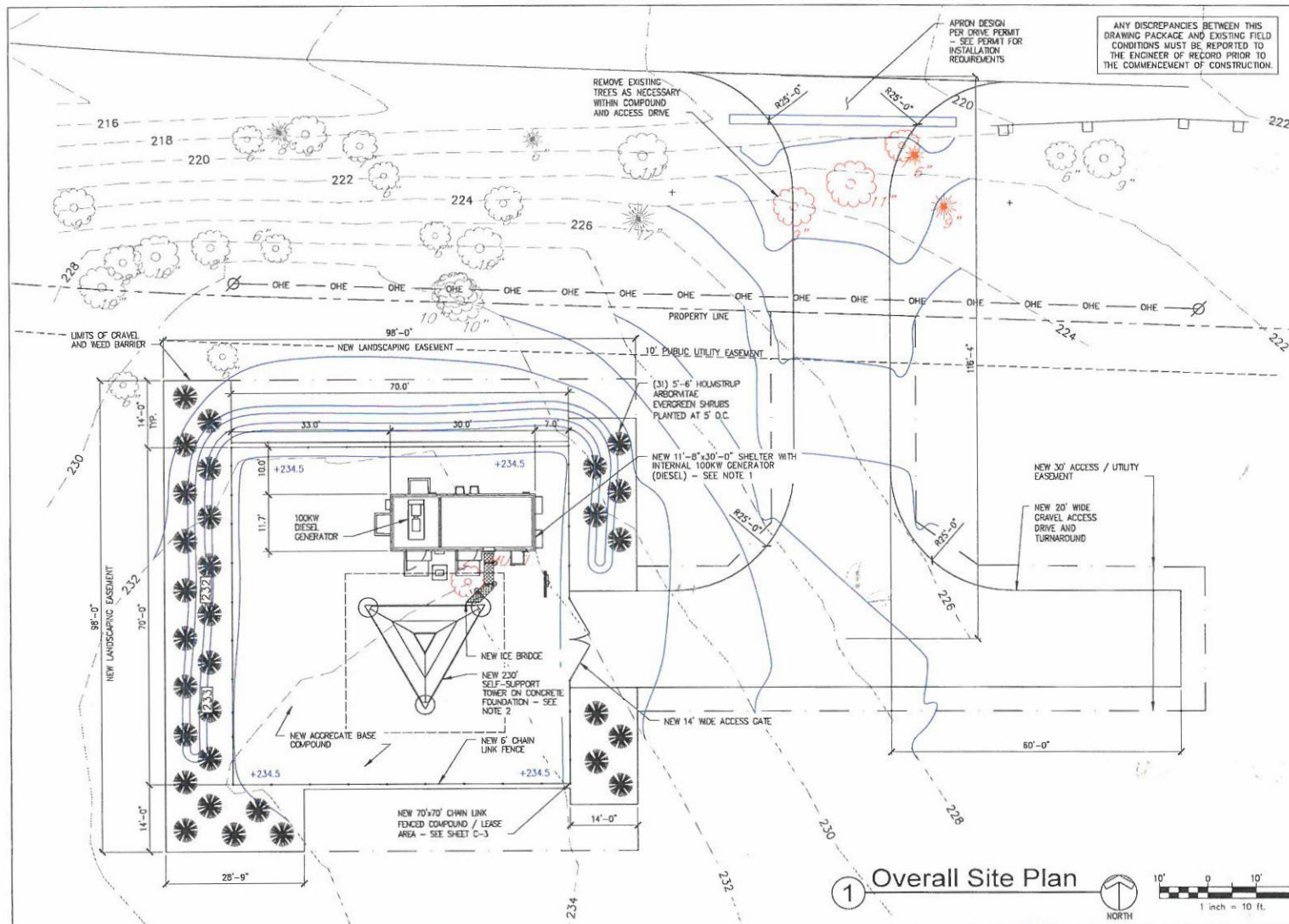
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M	09-22-17	ZONING REVIEW SET	RNY	SAH	



**SITE LOCATION PLAN**  
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15700 RIVER RD.  
GERMANTOWN, MD 20874

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#### GENERAL NOTES:

1. PROPERTY OFFSETS ARE APPROXIMATE. FINAL LOCATION OF COMPOUND TO BE DEVELOPED FROM TOWER & APRON DESIGN PER DRIVE PERMIT - SEE PERMIT FOR INSTALLATION REQUIREMENTS
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3. ALL NEW CONSTRUCTION ACTIVITIES & MODIFICATIONS SHALL COMPLY WITH MOTOROLA R-56 STANDARDS, MOST CURRENT REVISION.

#### NOTES:

1. 11'-8"x30'-0" SHELTER BY VFP INC. REFER TO SIGNED AND SEALED SHELTER DRAWING #205670 FOR DETAILED SHELTER INFORMATION
2. 230' SELF SUPPORT TOWER BY VALMONT, REFER TO SIGNED AND SEALED TOWER DRAWING #2758751 DATED 8-15-17 FOR DETAILED TOWER INFORMATION
3. TREES AND BRUSH TO BE CUT BACK AND REMOVED FROM FENCED COMPOUND AREA AND ACCESS DRIVE
4. NEW ACCESS DRIVE AND APRON DESIGN PER DRIVE PERMIT - SEE PERMIT FOR INSTALLATION REQUIREMENTS
5. SEE STORM WATER MANAGEMENT SHEETS SWM/SC 1&2 BY POTOMAC VALLEY SURVEYS JOB NUMBER 017-066 FOR DETAILED SITE GRADING, SILT FENCE, LIMITS OF DISTURBANCE, ETC.

#### Contour Legend:

- +XXX.X SPOT ELEVATION - SUBGRADE (FINISH GRADE OF SITE = 0.67' ABOVE SUBGRADE)
- EXIST. CONTOUR - MINOR
- EXIST. CONTOUR - MAJOR
- NEW CONTOUR

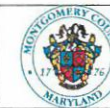


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### Overall Site Plan



3	12-20-17	REVISED UTILITY DIAGRAM & GROUNDING	RNV SAH
2	12-11-17	CONSTRUCTION DRAWINGS	MLM SAH
1	12-08-17	ZONING DRAWING	RNV SAH
0	09-25-17	ZONING DRAWING	RNV SAH
M	09-22-17	ZONING REVIEW SET	RNV SAH
NO	DATE	REVISIONS	BY CHK APP'D



OVERALL SITE PLAN  
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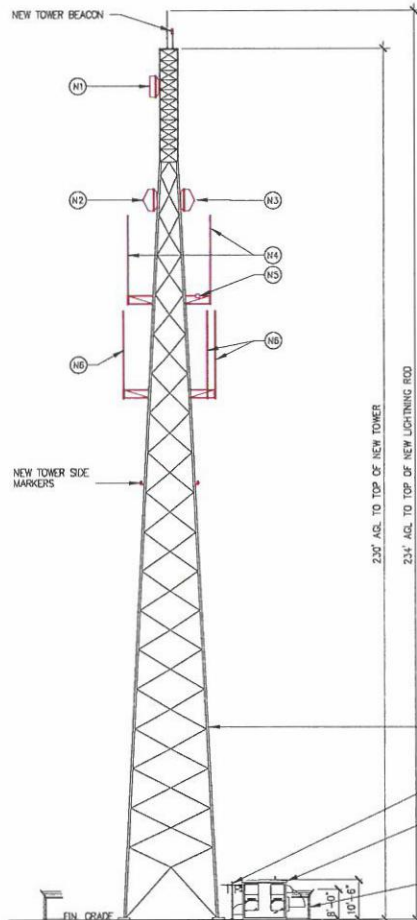
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**1 Tower Elevation**  
Scale: 1 inch = 30 ft.

Bretton Woods Golf Course - 230' TOWER  
LAT: N 39° 04' 39.54209"  
LONG: W 77° 20' 14.94270"

## Antenna/Appurtenance Location Chart

E = EXISTING  
N = NEW  
F = FUTURE

ANTENNA INFORMATION										FEEDLINE INFORMATION				
ANTENNA ID	MANUFACTURER	MODEL	TYPE	LENGTH	BOTTOM ELEV	RAD CENTER	TOP ELEV.	AZIMUTH	QTY.	TYPE	MANUFACTURER	MODEL	SIZE	QTY.
N1	COMMScope	HP6-59F	MW	6.0'	217.0'	220.0'	223.0'	304.77	1	WAVEGUIDE	COMMScope	EW6P3	2"	1
N2	COMMScope	PAR6-59	MW	6.0'	187.0'	190.0'	193.0'	304.77	1	WAVEGUIDE	COMMScope	EW6P3	2"	1
N3	COMMScope	PAR6-65	MW	6.0'	187.0'	190.0'	193.0'	29.79	1	WAVEGUIDE	COMMScope	EW6P3	2"	1
N4	SINCLAIR	SC412-HF2LDF	RX	20.9'	165.0'	175.5'	185.9'	N/A	2	COAX	COMMScope	AVA5-50	7/8"	2
N5	-	-	TTA	-	165.0'	-	-	N/A	1	COAX	COMMScope	LDF4-50	1/2"	1
N6	SINCLAIR	SC412-HF2LDF	TX	20.9'	140.0'	150.5'	160.9'	N/A	3	COAX	COMMScope	AVA6-50	1-1/4"	3
NOTE: PER TOWER MAP V4 8-7-2017														
REFER TO TOWER MANUFACTURER DRAWINGS FOR BEACON AND OBSTRUCTION LIGHTING HEIGHTS														

### GENERAL NOTES:

- 11'-8"x30'-0" SHELTER BY VFP INC. REFER TO SIGNED AND SEALED SHELTER DRAWING #205670 FOR DETAILED SHELTER INFORMATION
- 230' SELF SUPPORT TOWER BY VALMONT, REFER TO SIGNED AND SEALED TOWER DRAWING #2759751 DATED 8-15-17 FOR DETAILED TOWER INFORMATION
- ALL VERTICAL TRANSMISSION LINE RUNS FROM THE ANTENNAS SHALL BE GROUNDED NEAR THE TOP & BOTTOM OF THE TOWER (BEFORE THE CABLE MAKES HORIZONTAL TRANSITION & NEAR ENTRY PORT ON THE SHELTER). ADDITIONAL TRANSMISSION LINE GROUND KITS SHALL BE INSTALLED AS NEEDED TO LIMIT THE DISTANCE BETWEEN GROUND KITS TO 75 FEET.
- THE CONTRACTOR SHALL CONDUCT A TDR SWEEP TEST ON ALL THE NEWLY INSTALLED TRANSMISSION LINES TO DETERMINE THE CABLE CONDUCTOR RESISTANCE, CABLE INSERTION LOSS, REFLECTION & STIMULUS RESPONSE MEASUREMENTS. RESULTS TO BE SUBMITTED TO MOTOROLA.
- DRIP LOOPS SHALL BE INCORPORATED IN CABLE RUNS TO PREVENT WATER FROM TRICKLING DOWN THE LINES INTO THE SHELTER.
- ALL TRANSMISSION LINES SHALL BE MARKED WITH APPROPRIATE COLOR TAPE BANDS (ONE INCH WIDE COLOR TAPE) FOR IDENTIFICATION NEAR THE ANTENNA, JUST BEFORE ENTERING THE SHELTER AS WELL AS INSIDE THE SHELTER, BEFORE CONNECTING TO THE SURGE SUPPRESSORS. SEE EQUIPMENT & COAXIAL CABLE SCHEDULE FOR COLOR CODING SCHEME.

NEW 230' SELF-SUPPORT TOWER ON CONCRETE FOUNDATION - SEE NOTE 2

NEW GALVANIZED ICE BRIDGE

NEW 11'-8"x30'-0" PREFABRICATED EQUIPMENT SHELTER ON CONCRETE FOUNDATION - SEE NOTE 1

NEW CHAIN LINK FENCE



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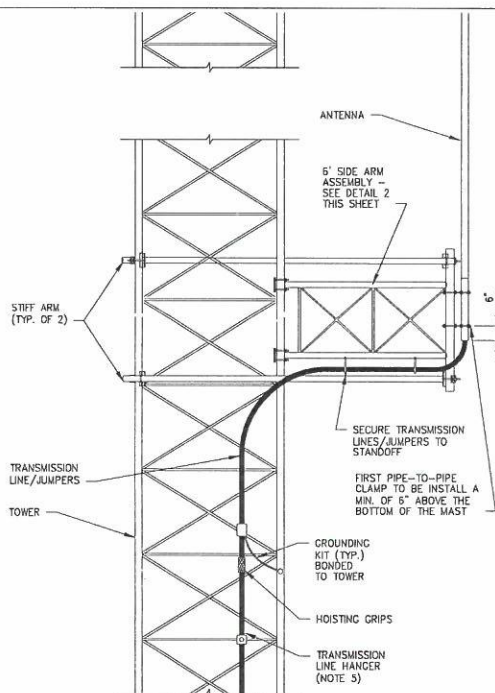
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M	09-22-17	ZONING REVIEW SET	RNY	SAH	



TOWER ELEVATION AND ANTENNA INFORMATION  
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GERMANTOWN, MD 20874

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① Antenna Detail - Stand-off Mount  
NOT TO SCALE

**TYPICAL NOTES:**

1. ANTENNAS, CONNECTORS, JUMPERS, TRANSMISSION LINES, TO BE FURNISHED BY MOTOROLA, AND INSTALLED BY CONTRACTOR.
2. CONTRACTOR TO USE HOISTING GRIPS EVERY 200 FEET (MIN.) FOR TRANSMISSION LINES.
3. CONTRACTOR TO WATERPROOF ALL EXTERNAL CONNECTIONS.
4. CONTRACTOR TO INSTALL GALVANIZED OR STAINLESS STEEL MOUNTING HARDWARE.
5. CONTRACTOR TO ATTACH CABLES TO TOWER EVERY 3 FOOT (MAX.)
6. CONTRACTOR TO ATTACH STIFF ARMS TO TOWER WITH APPROXIMATELY SIZED CROSSOVER CLAMPS. ATTACH TO STANDOFF BY BOLTING TO TABS PROVIDED.
7. CONTRACTOR TO ATTACH STAND-OFF PIPE TO TOWER WITH TWO APPROPRIATELY SIZED LEG ADAPTERS.
8. CONTRACTOR SHALL FREQUENCY DOMAIN REFLECTOMETER TEST TRANSMISSION AND TEST LINES PRIOR TO INSTALLATION. IMMEDIATELY NOTIFY MOTOROLA OF ANY LINE DEFICIENCIES.
9. CONTRACTOR TO PROVIDE ANTENNA COAX GROUNDING FOR EVERY CABLE TO MANUFACTURERS SPECIFICATIONS BUT NOT TO EXCEED 75' INTERVALS.

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1	12-08-17	ZONING DRAWING	RNV	SAH
0	09-25-17	ZONING DRAWING	RNV	SAH
W	09-22-17	ZONING REVIEW SET	RNV	SAH
NO	DATE	REVISIONS	BY	CHK APP'D



**MOTOROLA SOLUTIONS**



ANTENNA MOUNT DETAILS  
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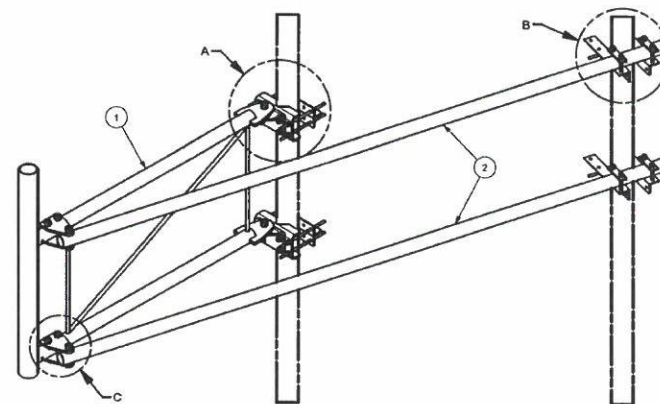


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ASSEMBLY NO.	"A" P/N	"A" LENGTH	MAX. SECTION WIDTH		TOTAL WT.
			APEX MOUNTED	FACE MOUNTED	
160949	183474	107"	3'-0"	8'-0"	428.84
160950	184158	144"	6'-0"	12'-0"	476.20
160951	184159	180"	9'-0"	15'-0"	522.26
160953	228885	216"	12'-0"	18'-0"	581.60

DESIGN CRITERIA:  
TIA-222-G  
BASIC WIND SPEED: 100 mph  
STRUCTURE CLASS: III  
EXPOSURE: C  
TYPICAL ANTENNA: BMR12 @ 400' HEIGHT

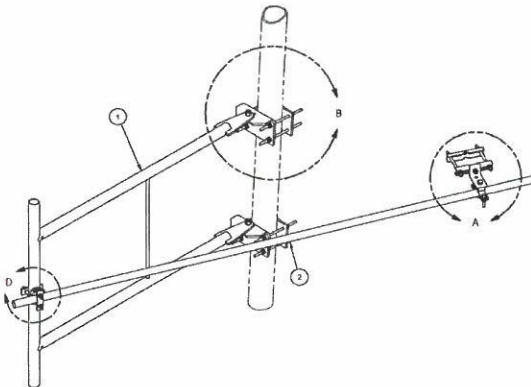
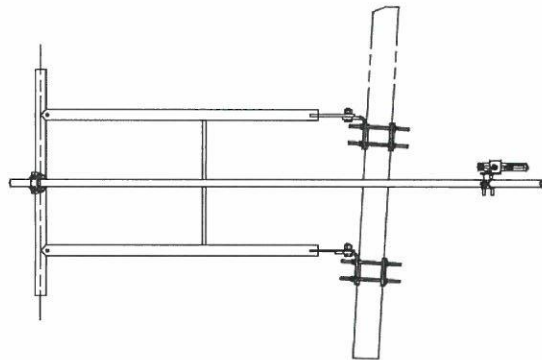


② Valmont 6' Bogner Arm Assembly  
( Part NO. 160951 & 160953 )  
NOT TO SCALE



# CONSTRUCTION NOTES:

1. G.C. TO USE ANTENNA MOUNTS SUPPLIED BY TOWER MANUFACTURER WITH TOWER ORDER
2. G.C. TO VERIFY WITH ANTENNA MOUNT MANUFACTURER THAT MOUNT LOADING CAPACITY MEETS REQUIREMENTS



Valmont 6' Side Arm Pivot Assembly ( Part NO. 240500 )

1 NOT TO SCALE

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	195646	PIVOT ARM		66.84	66.84
2	1	139395	1-1/4" x 10'-6" SCHEDULE 40 PIPE	126 in	23.92	23.92
3	2	240499	MOUNTING BRACKET		15.41	30.81
4	2	240505	BACKING PLATE	9 1/4 in	8.13	16.25
5	1	123614	3" DISK CLAMP		1.27	1.27
6	2	116165	3" V-CLAMP (CAL V)	5 in	0.74	1.48
7	1	SAM-U	UNIVERSAL STIFF ARM ATTACHMENT		8.53	8.53
8	2	175411	3/4" UNC HEX BOLT (A325)	2 1/4 in	0.47	0.95
9	2	312153	3/4" LOCK WASHER		0.04	0.08
10	2	312502	3/4" UNC HEX NUT (A563)		0.21	0.43
11	8	313116	1/2" X 13" THREADED ROD	13 in	0.76	6.09
12	4	141069	1/2" UNC HEX BOLT (GRADE 5)	4 in	0.20	1.15
13	20	312062	1/2" GALV. FLAT WASHER		0.02	0.38
14	20	312063	1/2" GALV. LOCK WASHER		0.01	0.27
15	20	312500	1/2" UNC HEX NUT (A563)		0.07	1.43
TOTAL WT. #						164.25

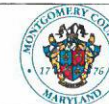


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3	12-20-17	REVISED UTILITY DIAGRAM & GROUNDING	RNV	SAH
2	12-11-17	CONSTRUCTION DRAWINGS	NLM	SAH
1	12-08-17	ZONING DRAWING	RNV	SAH
0	09-25-17	ZONING DRAWING	RNV	SAH
M	09-22-17	ZONING REVIEW SET	RNV	SAH
NO.	DATE	REVISIONS	BY	CHK APP'D



## ANTENNA MOUNT DETAILS

BRETTON WOODS  
GOLF COURSE  
15700 RIVER RD.  
GERMANTOWN, MD 20874

C-6

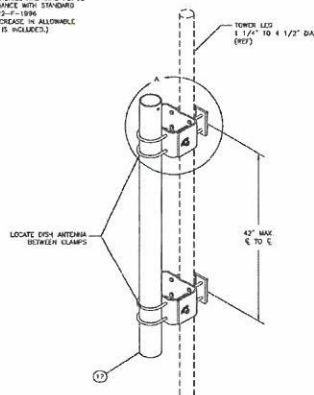
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# CONSTRUCTION NOTES:

1. C.C. TO USE ANTENNA MOUNTS SUPPLIED BY TOWER MANUFACTURER WITH TOWER ORDER
2. C.C. TO VERIFY WITH ANTENNA MOUNT MANUFACTURER THAT MOUNT LOADING CAPACITY MEETS REQUIREMENTS

PARTS LIST				
ITEM	QTY	PART NO.	DESCRIPTION	LENGTH
1	2	155561	MOUNTING CLAMP (OUTER)	13.14#
2	2	154463	MOUNTING CLAMP (INNER)	10.46#
3	2	159999	BACKING PLATE	8.52#
4	4	151246	1/2" U-BOLT KIT	6 1/2"
5	4	183821	5/8" (A325) HEX BOLT	2"
6	8	141074	1/2" (GRADE 5) HEX BOLT	6 1/2"
7	8	312122	5/8" FLAT WASHER	0.03#
8	4	312123	5/8" LOCK WASHER	0.02#
9	8	312063	1/2" LOCK WASHER	0.01#
10	4	312501	5/8" HEX NUT	0.08#
11	8	312500	1/2" HEX NUT	0.04#
12	1	106098	ANTENNA MOUNTING PIPE	63"
TOTAL WEIGHT				129.20#

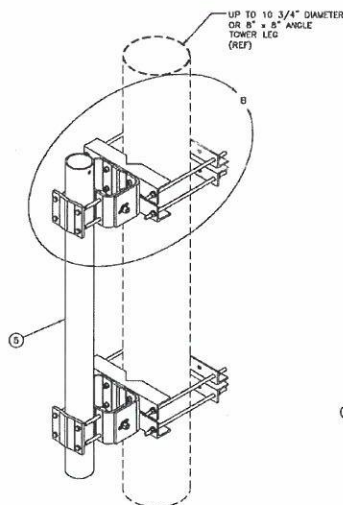
ADD MAX. BENDING  
1.14 & ADDITIONAL BEND FORCE  
IN ACCORDANCE WITH STANDARD  
DUPHA-223 (1-1996)  
(A 1/2 INCREASE IN ALLOWABLE  
STRESS IS ALLOWED.)



Valmont Universal Pipe Mount  
(Part NO. 860118)

1 NOT TO SCALE

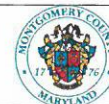
PARTS LIST				
ITEM	QTY	PART NO.	DESCRIPTION	LENGTH
1	2	155561	MOUNTING CLAMP (OUTER)	13.14#
2	2	154463	MOUNTING CLAMP (INNER)	10.46#
3	4	158320	CONNECTION ANGLE	16 1/2"
4	4	126501	BACKING ANGLE	16 1/2"
5	1	106098	ANTENNA MOUNTING PIPE	60"
6	8	313730	1/2" DIA. THREADED ROD	18"
7	4	183821	5/8" (A325) HEX BOLT	2"
8	8	141062	1/2" (GRADE 5) HEX BOLT	1 1/2"
9	8	312122	5/8" FLAT WASHER	0.05#
10	16	312062	1/2" FLAT WASHER	0.03#
11	4	312123	5/8" LOCK WASHER	0.03#
12	32	312063	1/2" LOCK WASHER	0.01#
13	4	312501	5/8" HEX NUT	0.08#
14	32	312500	1/2" HEX NUT	0.04#
15	2	159999	BACKING PLATE	5.78#
16	8	141074	1/2" (GRADE 5) HEX BOLT (HDD)	6 1/2"
TOTAL WT.				103.75#



Valmont Universal Pipe Mount With  
Large Leg Assembly (Part NO. 860119)

2 NOT TO SCALE

3	12-20-17	REVISED UTILITY DIAGRAM & GROUNDING	RNV SAH
2	12-11-17	CONSTRUCTION DRAWINGS	MLM SAH
1	12-08-17	ZONING DRAWING	RNV SAH
0	09-25-17	ZONING DRAWING	RNV SAH
M	08-22-17	ZONING REVIEW SET	RNV SAH
NO	DATE	REVISIONS	BY [CHK] APP'D



ANTENNA MOUNT DETAILS  
BRETTON WOODS  
GOLF COURSE  
15700 RIVER RD  
GERMANTOWN, MD 20874

C-7

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24x36

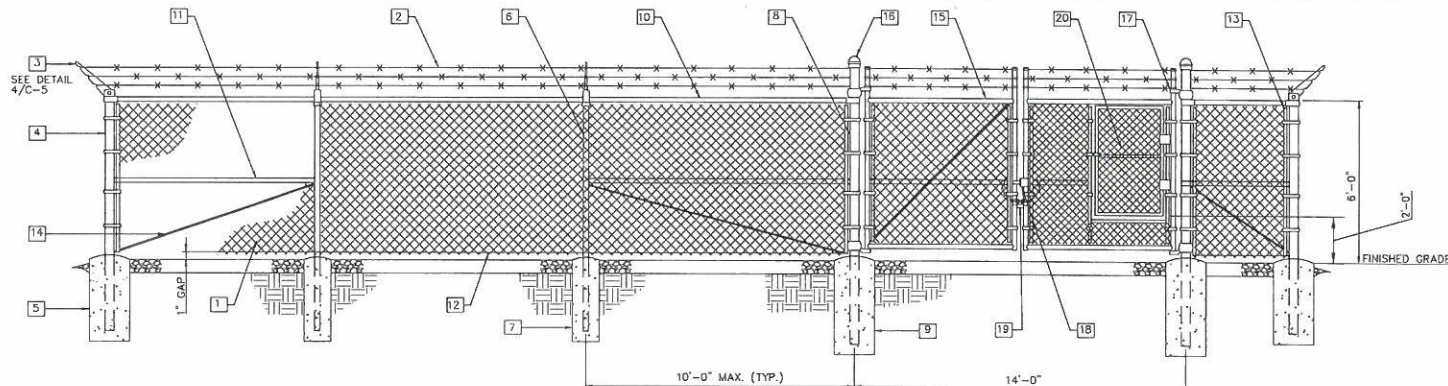


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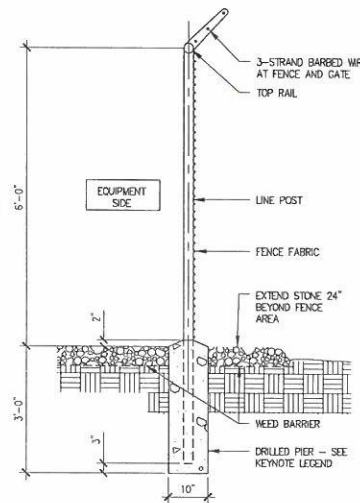
**1 Typical Fence Elevation**  
NOT TO SCALE

**Keynote Legend**

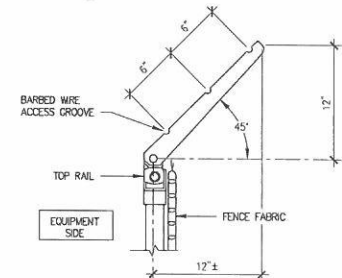
- 1 FABRIC: 9 GAUGE, 2" MESH, ASTM A392 (SEE FENCE SECTION FOR HEIGHT).
- 2 BARBED WIRE: 12 GAUGE WIRE, 4 POINT (3 RUNS), FINISH TO MATCH FABRIC, ASTM A121.
- 3 EXTENSION ARMS: STAMPED STEEL WITH MALLEABLE IRON BASE, FINISH TO MATCH FENCE FRAMEWORK, ASTM F826.
- 4 END AND CORNER POSTS: 3" PIPE SCH. 40 (GALV.) ASTM F1083
- 5 CONCRETE FOUNDATION: 36"x12" (3000 PSI)
- 6 LINE POSTS: 2" PIPE SCH. 40 (GALV.) ASTM F1083
- 7 CONCRETE FOUNDATION: 36"x10" (3000 PSI)
- 8 GATE POSTS: 4" PIPE SCH. 40 (GALV.) ASTM F1083
- 9 CONCRETE FOUNDATION: 48"x12" (3000 PSI)
- 10 TOP RAIL & BRACE RAIL: 1-1/2" PIPE SCH. 40 (GALV.) ASTM F1083
- 11 MIDDLE RAILS: 1-1/2" PIPE SCH. 40 (GALV.) ASTM F1083
- 12 BOTTOM TENSION WIRE: 0.177" METALLIC-COATED STEEL (GALV.), MARCELLED, ASTM A824
- 13 TENSION BARS: 3/16"x3/4", FULL HEIGHT OF FABRIC, FINISH TO MATCH FENCE FRAMEWORK.
- 14 TENSION ROD: 3/8" WITH ADJ. TIGHTNER, FINISH TO MATCH FENCE FRAMEWORK.
- 15 GATE FRAME: 2" SCH. 40 (GALV.) ASTM F1083
- 16 POST CAPS: PER POST DIAMETER.
- 17 GATE HINGES: NON-LIFT-OFF TYPE, OFFSET TO PERMIT 180 DEGREE SWING.
- 18 DOUBLE GATE LATCH: COMMERCIAL STRONG ARM EQUAL TO: DAC INDUSTRIES 615-C ELEVENTH STREET, GRAND RAPIDS, MI 49504
- 19 LOCK CHAIN: 3/8" SIZE, 36" LONG HOT DIP GALVANIZED ZINC COATED W/ MARINE-GRADE PROGRAMMABLE FOUR DIGIT PADLOCK (SESAME BRAND OR APPROVED EQUAL)
- 20 4" WIDE SNOW GATE WITH DOUBLE SWING GATE FRAME

**NOTES:**

1. REFER TO PROJECT SPECIFICATIONS FOR INFORMATION NOT SHOWN IN THE DRAWING.
2. FENCE FABRIC SHALL CONFORM TO CHAIN LINK FENCE MANUFACTURERS INSTITUTE (CLFMI) PRODUCT MANUAL.
3. INSTALL FENCE IN COMPLIANCE WITH ASTM F 567.
4. INSTALL SWING GATES IN COMPLIANCE WITH ASTM F 900.
5. DO NOT BEGIN INSTALLATION AND ERECTION BEFORE FINAL GRADING IS COMPLETED, UNLESS OTHERWISE PERMITTED. INSTALL FENCING ON BOUNDARY LINES INSIDE OF PROPERTY LINE ESTABLISHED BY SURVEY.
6. DRILL OR HAND-EXCAVATE (USING POST - HOLE DIGGER) HOLES FOR POSTS TO DIAMETERS AND SPACINGS INDICATED, IN FIRM, UNDISTURBED OR COMPACTED SOIL. IF NOT INDICATED ON DRAWINGS, EXCAVATE HOLES FOR EACH POST TO MINIMUM DIAMETER RECOMMENDED BY FENCE MANUFACTURER, BUT NOT LESS THAN (4) TIMES LARGEST GROSS-SECTION OF POST.
7. REMOVE POST HOLE SPOILS FROM SITE. DO NOT SET SPOILS ON AGGREGATE WITHOUT ADEQUATE PROTECTION.
8. PROTECT PORTION OF POSTS ABOVE GROUND FROM CONCRETE SPALLER. PLACE CONCRETE AROUND POSTS AND VIBRATE OR TAMP FOR CONSOLIDATION. CHECK EACH POST FOR VERTICAL AND TOP ALIGNMENT AND HOLD IN POSITION DURING PLACEMENT AND FINISHING OPERATIONS. UNLESS OTHERWISE SHOWN, EXTEND CONCRETE FOOTING 1 INCH ABOVE GRADE AND TROWEL TO A CROWN TO SHED WATER.
9. INSTALL BARBED WIRE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
10. APPLY FABRIC TO OUTSIDE OF FRAMEWORK.



**2 Typical Fence Section**  
NOT TO SCALE



**3 Barbed Wire Detail**  
NOT TO SCALE



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3	12-20-17	REVISED UTILITY DIAGRAM & GROUNDING	RNV	SAH
2	12-11-17	CONSTRUCTION DRAWINGS	MLM	SAH
1	12-08-17	ZONING DRAWING	RNV	SAH
0	09-25-17	ZONING DRAWING	RNV	SAH
M	09-22-17	ZONING REVIEW SET	RNV	SAH
NO.	DATE	REVISIONS	BY	CHK



**MOTOROLA SOLUTIONS**



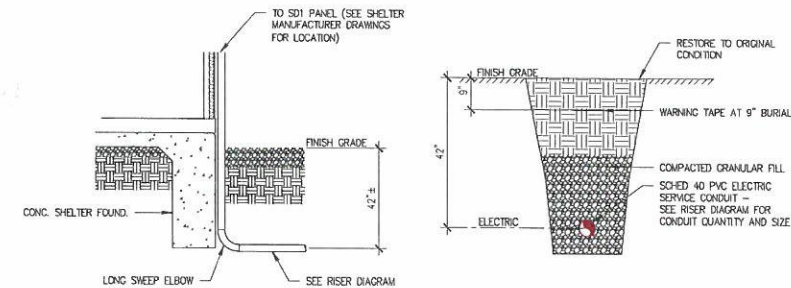
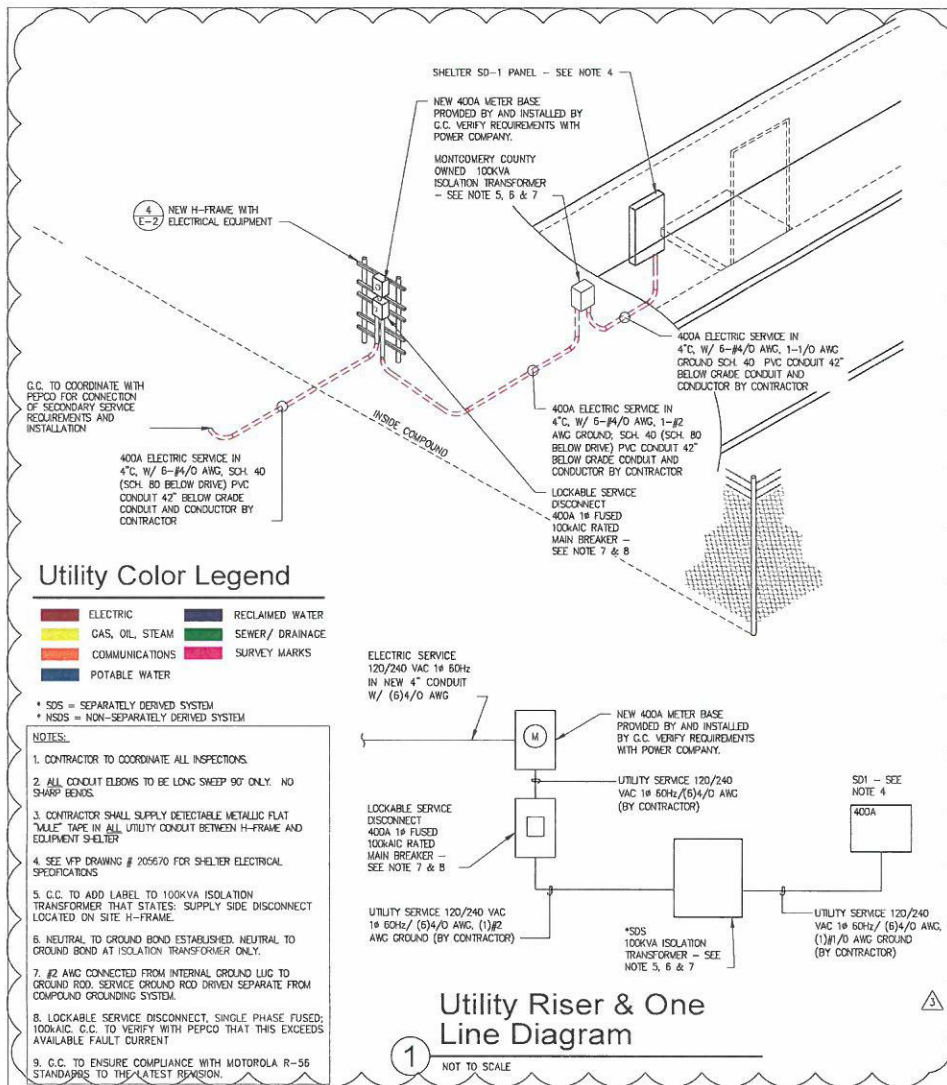
**FENCE DETAILS**

BRETTON WOODS GOLF COURSE  
15700 RIVER RD.  
GERMANTOWN, MD 20874

**C-9**  
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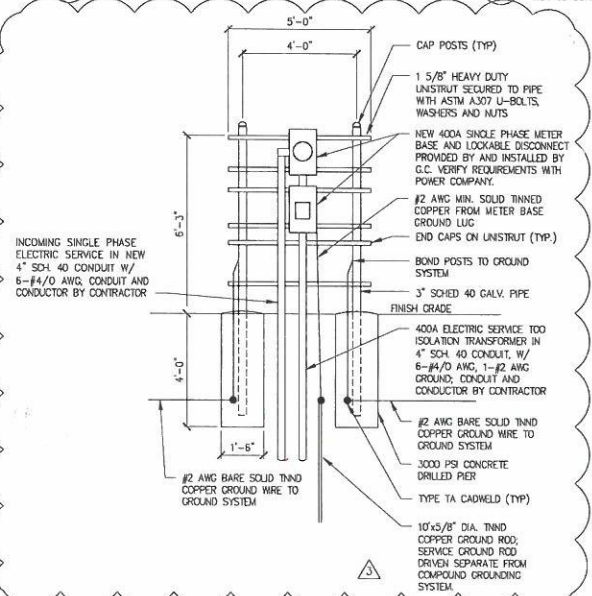


## Electric Service Entrance

2 NOT TO SCALE

## Buried Utility

3 NOT TO SCALE



### NOTES:

- ALL MATERIAL TO BE GALVANIZED UNLESS NOTED OTHERWISE.
- CONTRACTOR TO FIELD VERIFY UNISTRUT SPACING AND QUANTITY REQUIRED WITH DEVICE MANUFACTURER MOUNTING DIMENSIONS AND INSTRUCTIONS.



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NO.	DATE	REVISIONS	BY	CHK	APPD
3	12-20-17	REVISED UTILITY DIAGRAM & GROUNDING	RNV	SAH	
2	12-11-17	CONSTRUCTION DRAWINGS	MLM	SAH	
1	12-08-17	ZONING DRAWING	RNV	SAH	
0	09-25-17	ZONING DRAWING	RNV	SAH	
M	09-22-17	ZONING REVIEW SET	RNV	SAH	



MOTOROLA SOLUTIONS



UTILITY DIAGRAM & DETAILS

BRETTON WOODS  
GOLF COURSE  
15700 RIVER RD.  
GERMANTOWN, MD 20874

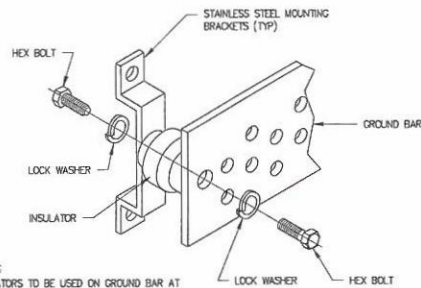
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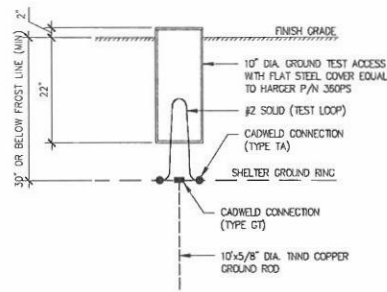




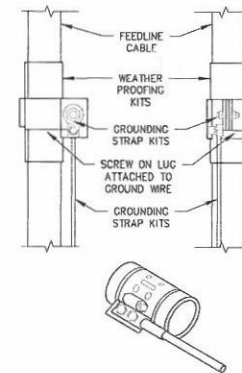




**1 Ground Bar Installation**  
NOT TO SCALE

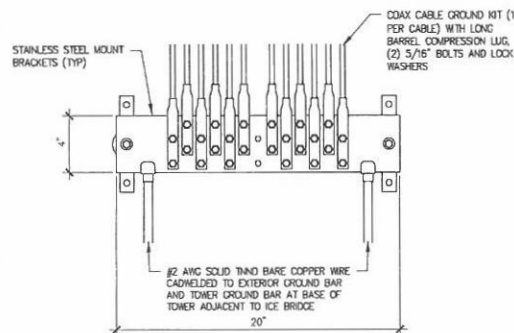


**2 Grounding Inspection Test Well**  
NOT TO SCALE

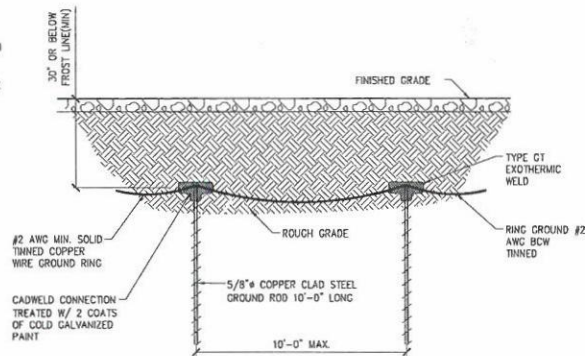


- NOTES:**
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR
  2. THIS DETAIL IS TYPICAL FOR EACH COAX / HYBRID CABLE WHERE IT IS SPECIFIED TO BE GROUNDED
  3. CABLE TO BE GROUNDED AT ANTENNA LEVEL AND PRIOR TO ENTERING SHELTER ENTRY PANEL
  4. CABLE ALSO TO BE GROUNDED TO GROUND BAR AT TOWER BASE IF APPLICABLE
  5. USE ONLY TIN PLATED GROUNDING KITS

**3 Coax Cable Ground Kit Detail**  
NOT TO SCALE



**4 Tower Ground Bar (TGB)**  
NOT TO SCALE



**5 Grounding Rod Detail**  
NOT TO SCALE

3	12-20-17	REVISED UTILITY DIAGRAM & GROUNDING	RNV/SAH
2	12-11-17	CONSTRUCTION DRAWINGS	MLM/SAH
1	12-08-17	ZONING DRAWING	RNV/SAH
0	09-25-17	ZONING DRAWING	RNV/SAH
M	09-22-17	ZONING REVIEW SET	RNV/SAH
NO.	DATE	REVISIONS	BY (CHK APP'D)



**GROUNDING DETAILS**  
BRETTON WOODS  
GOLF COURSE  
15700 RIVER RD.  
GERMANTOWN, MD 20874

**E-5**  
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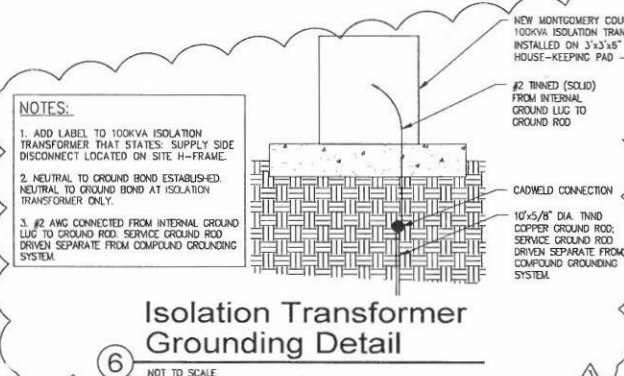
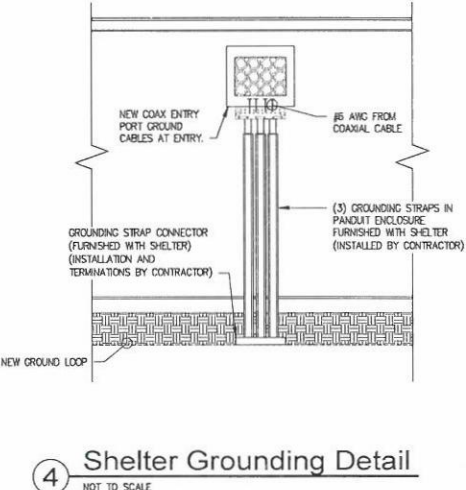
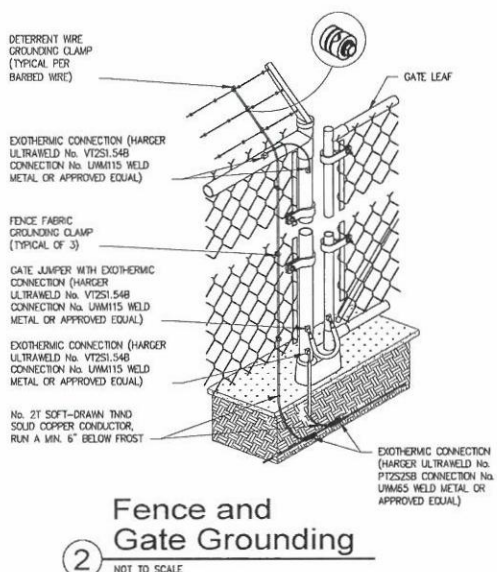
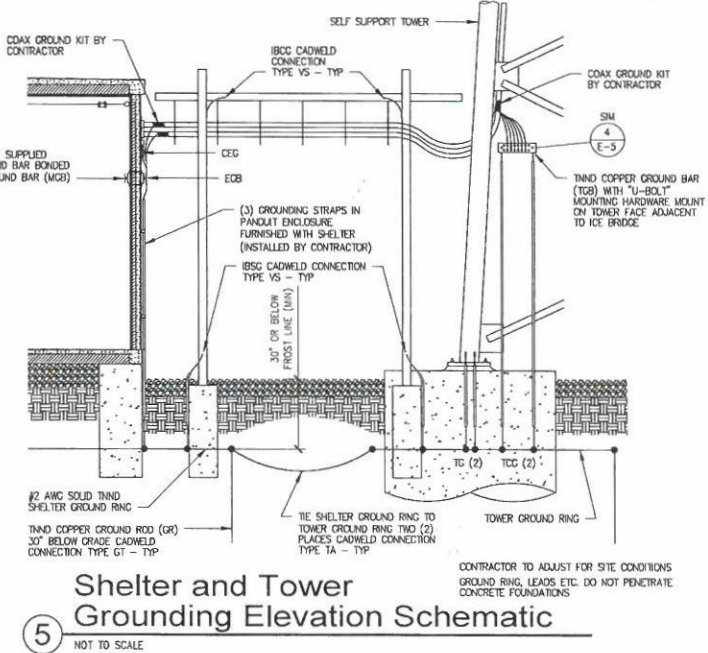
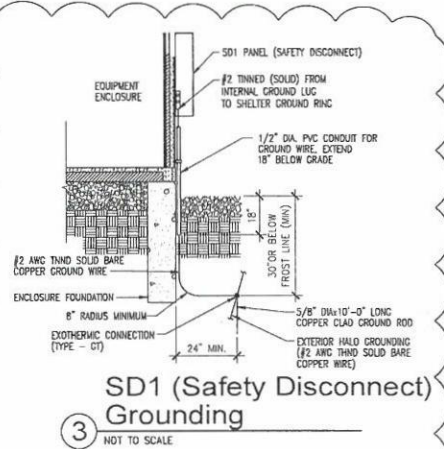
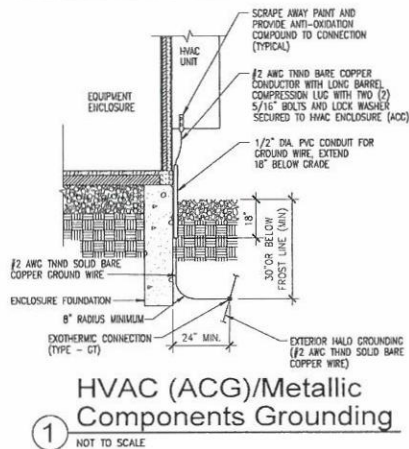


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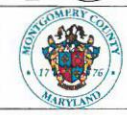
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- NOTES:**
1. ADD LABEL TO 100KVA ISOLATION TRANSFORMER THAT STATES: SUPPLY SIDE DISCONNECT LOCATED ON SITE H-FRAME.
  2. NEUTRAL TO GROUND BOND ESTABLISHED. NEUTRAL TO GROUND BOND AT ISOLATION TRANSFORMER ONLY.
  3. #2 AWC CONNECTED FROM INTERNAL GROUND LUG TO GROUND ROD. SERVICE GROUND ROD DRIVEN SEPARATE FROM COMPOUND GROUNDING SYSTEM.

NO.	DATE	REVISIONS	BY	CHK	APP'D
3	12-20-17	REVISED UTILITY DIAGRAM & GROUNDING	RNV	SAH	
2	12-11-17	CONSTRUCTION DRAWINGS	MLM	SAH	
1	12-08-17	ZONING DRAWING	RNV	SAH	
0	09-25-17	ZONING DRAWING	RNV	SAH	
M	09-22-17	ZONING REVIEW SET	RNV	SAH	



GROUNDING DETAILS

BRETTON WOODS  
GOLF COURSE  
15700 RIVER RD.  
GERMANTOWN, MD 20874

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### Exhibit C

#### (Inventory of Wireless Communications Equipment to be Located on the Licensed Area)

A- One (1) Antenna Support Structure

B – Three (3) COMMSCOPE Model HP6-59F, PAR6-59, PAR6-65 or Similar Microwave Antennas

C – Three (3) SINCLAIR Model SC412-HF2LDF or Similar Omni Transmit Antennas

D – Two (2) SINCLAIR Model SC412-HF2LDF or Similar Omni Receive Antenna

E- COMMSCOPE Model or Similar Waveguide and Coax Cables

F – One (1) Twelve by Thirty (12' x 30') Foot Prefabricated VFP Equipment Shelter with Diesel Generator

Also, miscellaneous accessories, equipment and hardware necessary for installation of Communications Equipment