

Request for Waiver of Tolling Standard to Extend Construction Permit

West Virginia Educational Broadcasting Authority (“WVEBA”), licensee of low-power television translator station W08EE, Martinsburg, West Virginia (“W08EE” or the “Station”), respectfully submits the instant application to request a waiver of the tolling standard set forth at Section 73.3598(b) of the Rules of the Federal Communications Commission (“FCC” or “Commission”) to extend W08EE’s construction permit, LMS File No. 0000054634 (the “Channel 27 Displacement CP”). The Channel 27 Displacement CP was initially scheduled to expire on August 15, 2021, and was most recently extended to August 15, 2022 pursuant to a request for waiver of the tolling standard (LMS File No. 0000184886). Based upon the special, rare, and exceptional circumstances delineated below, WVEBA respectfully requests a second waiver of the FCC’s tolling standard to extend the Channel 27 Displacement CP until **November 30, 2022**.

I. Legal Authority

Pursuant to FCC regulations, a station that requires additional time to complete construction beyond its initial construction permit may seek a waiver of the tolling standard set forth in Section 73.3598(b) of the FCC’s Rules upon a showing of rare and exceptional circumstances.¹ The Commission may waive a rule where the particular facts make strict compliance inconsistent with the public interest, special circumstances warrant a deviation from the general rule, and such deviation will serve the public interest.² As explained below, such special, rare, and exceptional circumstances are present in the case of W08EE.

II. Background

W08EE is affiliated with the PBS Television Network and is licensed to WVEBA, a public benefit corporation established by the State of West Virginia (the “State”) to provide non-commercial educational radio and television broadcasting services to residents of West Virginia.³ W08EE operates as part of the WVEBA television network, which includes full-power television stations WSWP-TV, WVPB-TV, and WNPB-TV (collectively referred to herein as the “Full-Power Stations”), as well as six other television translator stations, including W08EE. In addition, WVEBA holds the licenses for twelve full-power non-commercial educational radio stations and associated FM translator and FM booster stations.

In 2017, WVEBA learned that it would be required to transition the three Full-Power Stations to new channels as part of the repacking process, in addition to five of its TV translator stations that were displaced as a result of the incentive auction, including W08EE (these stations collectively referred to herein as the “Displaced Translator Stations,” and together with the Full-Power Stations, the “Stations”). Thus, over the last several years, WVEBA has been tasked with

¹ See Incentive Auction Task Force and Media Bureau Remind Repacked Stations of Certain Post-Auction Transition Requirements and Deadlines, Public Notice, DA 18-884 (rel. Aug. 27, 2018) at ¶ 13 and n. 34. (“Stations may also seek a waiver of the tolling rule to receive additional time to construct in the case where “rare or exceptional circumstances” prevent construction.” (citing 1998 Regulatory Review - Streamlining of Mass Media Applications, Rules and Processes, Memorandum Opinion and Order, 14 FCC Rcd 17525, 17536, ¶ 42 (1999)).

² See *Northeast Cellular Telephone Co. v. FCC*, 897 F.2d 1164, 1166 (D.C. Cir. 1990).

³ See W. Va. Code § 10-5-1.

balancing the transition of three full-power television stations and simultaneously addressing the need to find displacement channels for five translator stations, all while continuing to manage the day-to-day operations of its television and radio network.

As the Commission is already aware, WVEBA is a state-funded governmental entity with limited resources, and is required to comply with the State's laws and procedures regarding the procurement of goods and services.⁴ These laws require, *inter alia*, that equipment purchases in excess of \$25,000 be put out for competitive bidding, a process that is time and resource intensive, and is managed by the state procurement office.⁵ Under rules established by the State of West Virginia Purchasing Division, WVEBA could not start the lengthy procurement process for the Stations until it had adequate funds on hand to pay the winning vendor.⁶ For WVEBA, this did not occur until March 14, 2019, when the Governor of West Virginia signed into law an appropriations bill providing WVEBA with \$7.36 million to implement the repack for the Stations.⁷

When the funding for the post-auction transition for the Stations was finally made available, WVEBA was necessarily forced to prioritize construction on the three Full-Power Stations first, all of which had earlier construction deadlines, before it could initiate work on the Displaced Translator Stations. WVEBA started with WNPB-TV, which was assigned to transition to its post-auction channel at the end of Phase 4 on August 2, 2019. With a staff of only three engineers for the entire WVEBA television and radio network, WVEBA simply did not have the resources to initiate the complicated State procurement process for the equipment required for the two other full-power stations until such time as the WNPB-TV facility was fully constructed – much less to begin that process for the five displaced translator stations.⁸ As a result, construction on W08EE and the other Displaced Translator Stations was delayed from the start.

⁴ See W. Va. Code § 5A-1-10 (2019) (requiring that all spending units use competitive bidding process to purchase commodities wherever possible).

⁵ See W. Va. Code § 5A-3-11.

⁶ See West Virginia Purchasing Division Procedures Handbook, § 6.6 (“Requisitions submitted to the Purchasing Division are to include proper encumbrance information for purchase orders to be encumbered by the Purchasing Division’s Communication and Technical Services Unit. Agencies must designate the appropriate account(s) from which funds to pay for a contract will be taken prior to a contract being awarded”), available at <http://www.state.wv.us/admin/purchase/handbook/2020/handbook.pdf> (last visited June 23, 2020).

⁷ See S.B. 681, 84th Leg., Reg. Sess. (W. Va. 2019). See also, Phil Kabler, Public Broadcasting Tech Upgrades Get Boost with \$7.36 Million Appropriation, *Charleston Gazette-Mail*, available at https://www.wvgazettemail.com/news/public-broadcasting-tech-upgrades-get-boost-with-million-appropriation/article_c136c53b-6938-5278-8d54-5f65f0640546.html.

⁸ In most cases, the State’s procurement office required WVEBA to submit separate technical specifications for the various equipment required for WNPB-TV, WSWP-TV, and WVPB-TV’s post-auction facilities. Drafting the necessary technical specifications as required by the procurement office was a resource-intensive project, such that WVEBA could not dedicate staff to writing multiple specifications concurrently while still managing its day-to-day engineering needs and implementing the WNPB-TV repack. Indeed, WVEBA’s small engineering team was tasked with balancing the repack schedule for all three WVEBA full-power television stations while concurrently managing the day-to-day engineering tasks for WVEBA’s statewide network of television and radio stations, addressing unforeseen repairs (e.g., replacing two failed radio transmitters), and finding vacant channels for its five television translator stations that were displaced by the repack.

This initial setback was compounded by additional delays beyond WVEBA's control that arose during the construction process for the three Full-Power Stations, which, consequently, delayed WVEBA's ability to begin work on W08EE. As an initial matter, the WNPB-TV construction project was quite challenging, as it involved installing the station's new post-auction main antenna via a gin pole in the midst of a West Virginia winter, including heavy ice that stalled installation efforts more than once. Despite these challenges, WVEBA successfully completed construction of WNPB-TV's post auction facility in February 2020.⁹

Once construction of the WNPB-TV post-auction facility was completed, WVEBA turned its focus to completing the post-auction facilities for its two other Full-Power Stations – WVPB-TV and WSWP-TV – both of which were scheduled to transition in Phase 10. To this end, WVEBA had to work with the State procurement office on requisition requests that met the office's requirements for competitive bidding and complete the bidding processes required to obtain the equipment needed to complete construction on these stations – a process that, in some instances, took the procurement office much longer than WVEBA expected.¹⁰ Even once procurement was complete, WVEBA encountered further delays beyond its control, including delayed equipment deliveries and setbacks due to severe winter weather. For instance, GatesAir ("Gates"), the vendor from whom WVEBA purchased WSWP's channel 8 transmitter, had initially told WVEBA that the transmitter would be delivered in August 2020 but subsequently notified WVEBA that transmitter delivery would be further delayed because the necessary mask filter was not yet available. Despite WVEBA's efforts to expedite delivery of the transmitter, Gates did not deliver it to WVEBA until early October 2020.

Similarly, although WVEBA had been working diligently to complete construction on WVPB's post auction facility, it was significantly delayed by the onset of three significant winter weather events, including a snowstorm in mid-February 2021, an ice storm just a few days later, and a rain storm thereafter that flooded the roads leading to the site and temporarily rendered it inaccessible to the crew. Construction on the Full-Power Stations was further complicated due to the COVID-19 pandemic, which made it more difficult to secure the work crews needed to complete installation and construction. As a result of these delays, WVEBA ultimately did not complete construction on the last of its three Full-Power Stations until July 15, 2021.¹¹

III. Status of Construction on W08EE

Despite the limitations described above related to limited engineering staff, scarce resources, and construction delays, WVEBA has made its best efforts to complete the construction process for W08EE. W08EE historically operated on channel 8. After channel 8 was reallocated as part of the incentive auction, WVEBA submitted an application for authority to construct displacement facilities for W08EE on channel 27 during the FCC's Special

⁹ See WNPB-TV License to Cover (LMS File No. 0000106559).

¹⁰ For a full account of the delays encountered by WVEBA in completing the procurement process for WSWP-TV, please see LMS File No. 000151301.

¹¹ See WSWP-TV License to Cover (LMS File No. 0000152886).

Displacement Window.¹² The FCC granted this application on August 15, 2018 and specified a three-year period for W08EE to construct the channel 27 displacement facility.

In order to expedite the construction process for W08EE and avoid further delays, WVEBA entered into an open-ended, turnkey services contract with an outside vendor, Pillar Innovations (“Pillar”), pursuant to which the entire procurement, construction, and installation process for W08EE and its sister stations has been outsourced to Pillar.¹³ This solution was intended to help to expedite the construction process for the Stations by allowing WVEBA to reduce the delays associated with the State purchasing process by making Pillar responsible for procuring all of the equipment and additional resources necessary to complete the transition to channel 27, as well as providing the work crews necessary to complete the installation process, up to a \$500,000 spending limit per district. Once the \$500,000 limit has been met, a competitive bidding process must be conducted before additional purchases can be made.

W08EE falls within the northern district of West Virginia, which also includes WVEBA’s Keyser (W41DK), Wheeling (W17EF), and Romney (W21DZ) stations.¹⁴ Unfortunately, a number of serious technical issues were discovered during the structural analyses for both W08EE and the Keyser site, which necessitated additional expenditures, that, when combined with previous expenditures, caused WVEBA to effectively reach the \$500,000 limit provided for in the Pillar contract much earlier than anticipated, on November 23, 2021. As a result, WVEBA was forced to put all plans for construction on all four of the stations in the Northern District on hold until it was able to complete a new competitive bidding process. WVEBA promptly submitted a new solicitation to the State purchasing office on December 8, 2021,¹⁵ but a new contract was not awarded until March 1, 2022.¹⁶ Pursuant to State law, WVEBA was prohibited from discussing any work covered by the solicitation with prospective bidders between the time the solicitation documents were submitted and the time the new contract was awarded. Accordingly, WVEBA’s staff was unable to discuss W08EE with the tower crews, or do any other work on W08EE, during this period.

At the time the new contract was awarded, WVEBA’s engineering team was desperately understaffed, with only one engineer responsible for managing both WVEBA’s day-to-day operations and supervising its construction projects in the Northern District. As the Commission is already aware, WVEBA unexpectedly lost two of its full-time broadcast field engineers in December, both of whom were long-time employees of WVEBA and had been leading its construction efforts for years.¹⁷ This was part of a larger turnover at WVEBA during which a total of approximately 20 employees left the organization, so WVEBA has been struggling to maintain its daily operations with an extremely limited staff while simultaneously trying to hire

¹² See LMS File No. 0000054634.

¹³ For a copy of the original Pillar Innovations contract, please see LMS File No. 0000184886 at Exhibit A.

¹⁴ For a full list of WVEBA’s tower sites by district, please see LMS File No. 0000180610 at Exhibit D.

¹⁵ For email correspondence between WVEBA’s staff and the State purchasing office documenting the submission and processing of the new solicitation documents, please see LMS File No. 0000180610 at Exhibit E.

¹⁶ For a copy of WVEBA’s new contract with Pillar, which became effective March 1, 2022, please see LMS File No. 0000180610 at Exhibit F.

¹⁷ For additional documentation related to these staff departures, please see LMS File No. 0000180610 at Exhibits A and B.

and train a large number of replacement employees. Most relevant to this waiver request, WVEBA was not able to hire a new Director of Engineering until May 9, 2022.¹⁸

Additionally, several emergency situations arose outside of WVEBA's control during the second quarter of 2022 that further diverted resources and engineering staff away from its construction efforts on the Displaced Translator Stations. First, on May 17, 2022, a tree fell on guy lines at WVEBA's Barkers Ridge transmitter site,¹⁹ which required emergency repairs.²⁰ Also in May and July, WVEBA's Garfield transmitter site²¹ was burglarized and robbed of equipment on two separate occasions, which also required immediate attention.²² Additionally, the Garfield transmitter site experienced catastrophic lightning strikes that damaged TV and ASI converters and an FM transmitter that are housed there, taking the central and northern parts of WVEBA's state TV network offline temporarily.²³ Finally, the ENG truck that WVEBA's engineering team uses as its primary form of transportation blew an engine and was placed in the shop for repairs on June 14. As a result, WVEBA had to devote substantial time to finding a suitable replacement vehicle, which was not obtained until early July.²⁴ The lack of transportation during this time period created a severe work backlog at WVEBA's 23 transmitter sites, including W08EE.

Despite these limitations and delays, WVEBA has made significant progress on its construction efforts for the channel 27 facilities since the new contract was awarded in March. As detailed in WVEBA's last tolling waiver request, the original tower used for W08EE failed almost every single criterion included in the initial structural analysis that was performed in November 2021.²⁵ As an alternative solution, WVEBA has made arrangements to transition its operations to a new tower located at a site called North Mountain that is owned by the State Interoperable Radio Network ("SIRN").²⁶ WVEBA is filing concurrently with this request an application to modify the Channel 27 Displacement CP to reflect this change in tower sites. WVEBA has obtained foundation drawings²⁷ and tower mapping²⁸ for the North Mountain tower site, and is currently waiting for Pillar to complete a structural analysis on the tower, which is

¹⁸ Tyler Garner, WVEBA's new Director of Engineering, arrived at WVEBA on May 9, 2022. Documentation showing his start date is attached hereto as **Exhibit A**.

¹⁹ WVEBA's Barkers Ridge transmitter site is used to broadcast TV station 33 WVPB and FM station 89.9 WVVV.

²⁰ A photo of the damage to the Barkers Ridge transmitter site on May 17 is attached hereto as **Exhibit B**.

²¹ WVEBA's Garfield transmitter site is used to broadcast FM station 88.5 WVPB.

²² Correspondence documenting the burglaries at the Garfield transmitter site is attached hereto as **Exhibit C**.

²³ Correspondence documenting the damage that occurred at the Garfield transmitter site due to lightning strikes is attached hereto as **Exhibit D**.

²⁴ Documentation regarding WVEBA's replacement vehicle is attached hereto as **Exhibit E**.

²⁵ See LMS File No. 0000184886 at 4.

²⁶ A copy of WVEBA's agreement with the West Virginia Department of Health and Human Resources, which allows WVEBA to use excess capacity on SIRN's towers, is attached hereto as **Exhibit F**. Email correspondence regarding WVEBA's move to the North Mountain tower site is attached hereto as **Exhibit G**.

²⁷ Foundation drawings for SIRN's North Mountain tower are attached hereto as **Exhibit H**.

²⁸ A copy of the tower mapping tower results for SIRN's North Mountain tower is attached hereto as **Exhibit I**.

expected to be completed by early fall 2022.²⁹ Additionally, the transmitter for the channel 27 displacement facilities has already been delivered and is currently being stored in Pillar's warehouse until it can be installed on the new tower.³⁰ The antenna has also been ordered, manufactured, and is currently awaiting shipment, with delivery expected sometime in August.³¹

Once the structural analysis has been completed and the antenna has been delivered, WVEBA can arrange for a work crew to begin the process of installing the equipment at the North Mountain tower site. WVEBA anticipates that this work will be completed no later than November 30, 2022.

IV. Grant of this Request Will Serve the Public Interest

In light of the special, rare, and exceptional circumstances described herein, waiver of the tolling standard to provide WVEBA with additional time to complete construction of the Channel 27 facilities for W08EE is warranted. Grant of this request to extend the Channel 27 Displacement CP to November 30, 2022 will not harm the public interest because W08EE has not yet received notice of displacement, and will affirmatively advance the public interest because it will allow W08EE to serve viewers with important non-commercial educational programming in the future.

²⁹ Email correspondence from Pillar providing a general status update on construction, including the status of the structural analysis, is attached hereto as **Exhibit J**.

³⁰ *See id.* for correspondence from Pillar confirming that the transmitter has been delivered and is currently being stored in Pillar's warehouse.

³¹ Correspondence regarding the status of the antenna delivery is attached hereto as **Exhibit K**.

Exhibit A

Hiring Documentation for Tyler Garner, WVEBA's Director of Engineering

View All 1 of 2 | Document submitted successfully - Pending Approval

Employee Status Maintenance(ESMT) Dept: 0439 ID: 04202200000000071374 Ver.: 1 Function: New Phase: ~~Pending~~ **Final**

Modified By doddkr1, 04/20/2022

Employee

Action:

☐ Undo ☒ Update ☐ Delete

General Information

* Employee ID: 0000163123
From: 05/09/2022
To: 12/31/9999
* Original Appointment Date: 05/09/2022
Appointment ID:
Email Address:
Alternate ID:
Enable Field Highlights: ☐
Name Prefix: Multiple Personnel Action: ☐
First Name: TYLER
Correction: ☐
Middle Name: S
Last Name: GARNER
Name Suffix:
Social Security Number: [REDACTED]

Assignment Information

* Personnel Action Code: ORIGL
Personnel Action Desc: ORIGINAL APPT
Personnel Action Reason: HAB
Personnel Action Reason Desc: ABV ENTRY
* Employment Status: A
Employment Status Desc: ACTIVE
* Home Department: 0439
Home Department Desc: EDUCATIONAL B
* Home Unit: 0439
Home Unit Desc: ADMIN
Position Number: 0439P00020
Position Number Desc:
Step:
Step Desc:
Salary Ratio:
* Table Driven Pay: Do Not Use Table
EEO Full-time: Yes
* Percent Full-time: 1.0000
ACA Full-time:
Union Member:
Union Local:
Union Local Desc:
Vendor/ Customer:

Exhibit B

Photo of Damage to Barkers Ridge Transmitter Site



Exhibit C

Correspondence Documenting Burglaries at the Garfield Transmitter Site

Hiner, Virginia

From: Tyler Garner <tgarner@wvpublic.org>
Sent: Friday, July 15, 2022 2:17 PM
To: Hiner, Virginia
Subject: FW: Garfield Street Robbery/ Grand Larcony

****EXTERNAL Email****

Tyler Garner
Director of Engineering and IT
West Virginia Public Broadcasting

From: Tyler Garner
Sent: Tuesday, July 12, 2022 12:06 PM
To: Butch Antolini <bantolini@wvpublic.org>; Eddie Isom <eisom@wvpublic.org>; Kristina Dodd <kdodd@wvpublic.org>
Subject: Garfield Street Robbery/ Grand Larcony

Garfield street was robbed last night, July 11, after we had left at 17:00.

They stole a few odds and ends along with one of the ranger pro spectrum analyzers valued at over \$5k. They also broke the exhaust vent for the building.

Cops were called and they came up and took a report, bagged some fingerprint evidence, and took a cup that had been left for further analysis.

Tyler Garner
Director of Engineering and IT
West Virginia Public Broadcast
(304) 941-9866

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Hiner, Virginia

From: Tyler Garner <tgarner@wvpublic.org>
Sent: Friday, July 15, 2022 2:17 PM
To: Hiner, Virginia
Subject: FW: Ranger theft

****EXTERNAL Email****

Tyler Garner
Director of Engineering and IT
West Virginia Public Broadcasting

From: Tyler Garner
Sent: Thursday, July 14, 2022 12:38 PM
To: Steve Chapman <schapman@wvpublic.org>
Cc: Butch Antolini <bantolini@wvpublic.org>; Kristina Dodd <kdodd@wvpublic.org>
Subject: RE: Ranger theft

Our Garfield Transmitter site was broken into between Monday 11th at 5pm and Tuesday 12th at 10am. The external emergency exhaust fan was ripped off the side of the building and someone slipped inside the building and stole the Ranger NEO 2 Spectrum analyzer. I alerted the police when I arrived at the site on Tuesday. An officer responded, took notes, and bagged and tagged fingerprints and a coffee mug that was left at the site.

Case # I22071211

A BOLO has been put out for the device.

Tyler Garner
Director of Engineering and IT
West Virginia Public Broadcasting

From: Steve Chapman <schapman@wvpublic.org>
Sent: Wednesday, July 13, 2022 5:56 PM
To: Tyler Garner <tgarner@wvpublic.org>
Subject: Ranger theft

Hello Tyler,

To retire the stolen asset in the State database OASIS, I'll need a paragraph describing how the theft occurred and a copy of the police report.

Thanks much,

Steve
681-203-6912

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Exhibit D

Correspondence Documenting Lightning Damage to Garfield Transmitter Site

Hiner, Virginia

From: Tyler Garner <tgarner@wvpublic.org>
Sent: Friday, July 15, 2022 2:46 PM
To: Hiner, Virginia
Subject: FW: Garfield

****EXTERNAL Email****

Tyler Garner
Director of Engineering and IT
West Virginia Public Broadcasting

From: Arthur Austin <aaustin@wvpublic.org>
Sent: Friday, July 15, 2022 2:45 PM
To: Tyler Garner <tgarner@wvpublic.org>
Subject: Garfield

Hi Tyler,

After reviewing my notes on the light Strike and what was done on site had to rebuilt the ASI steam into site to wake the tv system up in the north and south still monitoring site for other items we may have over look repair the generator and completely went over the FM transmitter the issues was the fan motor blow fuse in the power supply ,output mods IPA driver, fan sensor switch this took more than three days to do to get it FM back on the air

Arthur Austin
(304)284-1448 C (304)541-7539
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Exhibit E

Correspondence Regarding WVEBA's Replacement Engineering Vehicle

Hiner, Virginia

From: Tyler Garner <tgarner@wvpublic.org>
Sent: Sunday, July 17, 2022 2:31 PM
To: Hiner, Virginia
Subject: FW: 2020 Ford F350

****EXTERNAL Email****

From: Butch Antolini <bantolini@wvpublic.org>
Sent: Wednesday, July 6, 2022 14:43
To: Butch Antolini <bantolini@wvpublic.org>
Cc: Tyler Garner <tgarner@wvpublic.org>
Subject: Re: 2020 Ford F350

Justin,

Thank you very much. Our Chief Engineer, Tyler Garner, will be there to pick the truck up tomorrow morning around 10:30. The check is being sent via FedEx, Priority Overnight so it should be there around the same time. The next time I'm in Elkins I will stop in and introduce myself. If you have any other questions just let me know.

Butch

Butch Antolini
Chief Executive Officer and Executive Director
West Virginia Public Broadcasting
600 Capitol Street
Charleston, WV 25301

304-556-4999 (Office)
304-951-8902 (Mobile)
bantolini@wvpublic.org

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From: Butch Antolini <bantolini@wvpublic.org>
Date: Wednesday, July 6, 2022 at 2:35 PM
To: Tammy Treadway <ttreadway@wvpublic.org>
Subject: Fwd: 2020 Ford F350

Butch Antolini
Chief Executive Officer and Executive Director
West Virginia Public Broadcasting
600 Capitol Street
Charleston, WV 25301

Office 304-556-4999
Mobile 304-951-8902
bantolini@wvpublic.org

From: Justin Jackson <justin.jackson@elkinsauto.com>
Sent: Wednesday, July 6, 2022 1:49:07 PM
To: Butch Antolini <bantolini@wvpublic.org>
Subject: 2020 Ford F350

Butch,

Attached you will find the bill of sale for the 2020 F350. The check can be sent overnight to:

Elkins Fordland
696 Beverly Pike
Elkins, WV 26241

Please let us know if you have any questions and when you are on the way to pick it up.

Thank You

Justin Jackson
Elkins Fordland

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Exhibit F

Agreement Between WVEBA and the West Virginia Department of Health and Human
Resources for Permission to Use SIRN Towers



DARRELL V. McGRAW, JR.
ATTORNEY GENERAL

STATE OF WEST VIRGINIA
OFFICE OF THE ATTORNEY GENERAL

HEALTH & HUMAN RESOURCES
LEGAL DIVISION

State Capitol Complex
Building 3, Room 210
Charleston, West Virginia 25305

(304) 558-2131
FAX (304) 558-0947

E-mail: cvaughan@wvdhhr.org

June 2, 2004

Mr. Bill Acker
Educational Broadcasting Authority
600 Capitol Street
Charleston, West Virginia 25301

Dear Mr. Acker:

Please find enclosed a signed original Memorandum of Agreement between the West Virginia Department of Health and Human Resources ("DHHR") and the West Virginia Educational Broadcasting Authority ("EBA") for your file.

Should you have any questions regarding this, please let me know.

Sincerely,

A handwritten signature in black ink, appearing to read "Charlene Vaughan".

Charlene A. Vaughan
Deputy Attorney General/
DHHR General Counsel

CAV/bc
Enclosure

MEMORANDUM OF AGREEMENT
BETWEEN
THE DEPARTMENT OF HEALTH AND HUMAN RESOURCES
of the
STATE OF WEST VIRGINIA
and
THE WEST VIRGINIA EDUCATIONAL BROADCASTING AUTHORITY

THIS AGREEMENT, by and between the Department of Health and Human Resources, State of West Virginia, whose mailing address is to the attention of Dave Hildreth, Bldg. 3, Rm. 232, Capitol Complex, Charleston, WV 25305, hereafter from time to time referred to as "DHHR", and The West Virginia Educational Broadcasting Authority, whose mailing address is to the attention of Bill Acker, 600 Capitol Street, Charleston, West Virginia 25301, hereafter from time to time referred to as "EBA", establishes the respective responsibilities and mutual objectives of the parties in the continuation, development, implementation, of the respective microwave communications systems of each party in West Virginia so as to benefit the health, safety, and welfare of the citizens of West Virginia. This Agreement is for the provision of in-kind resources in the form of use of excess capacity on the respective microwave communications systems of each party and will be effective until terminated as hereinbelow provided.

WHEREAS, DHHR is an agency of the State of West Virginia, and provides through the Office of Emergency Medical Services, for all aspects of the oversight and operation of an Emergency Medical / Trauma System for the citizens of West Virginia; and,

WHEREAS, each respective party is a statutorily created agency within the Executive Branch of the government of the State of West Virginia and is qualified and experienced in the use of microwave communications systems, and will cause the citizens of West Virginia to benefit from the other party's access to and use of excess capacity on its microwave communications system; and,

WHEREAS, DHHR owns and operates a statewide microwave communications system which is used primarily for emergency medical services purposes or related purposes; and,

WHEREAS, EBA owns and operates a statewide microwave communications system which is used primarily for public broadcasting purposes; and,

WHEREAS, each party is in need of the services of the other party to assist it in continuation, development and implementation of its communications objectives; and,

WHEREAS, each party shall provide the other party reasonable access to and use of excess capacity on its microwave tower sites, towers, facilities, and equipment; and,

WHEREAS, each party has selected the other party to make use of excess capacity so as to further the mutual objectives of each respective party.

NOW THEREFORE, in consideration of the foregoing recitals and of the mutual covenants contained herein, DHHR and EBA hereby agree as follows:

I. PROGRAM TO BE PROVIDED

EBA will utilize excess capacity granted it by DHHR during the term of this Agreement for transmission of public radio and public television programming or related purposes, so as to promote the health, safety and welfare of the citizens of the State of West Virginia, consistent with the mutual goals of DHHR and EBA. EBA will make no other use of the in-kind resources provided hereunder for its use.

DHHR will utilize excess capacity granted it by EBA during the term of this Agreement for transmission of emergency medical services purposes or related purposes, so as to promote the health, safety and welfare of the citizens of the State of West Virginia, consistent with the mutual goals of DHHR and EBA. DHHR will make no other use of the in-kind resources provided hereunder for its use.

II. PROGRAM ADMINISTRATION

A. TECHNICAL ASSISTANCE

The staff of each party may provide limited technical assistance to the other party on a continuing basis throughout the life of this Agreement. Technical assistance will be specific to the particular concerns, needs or problem areas encountered, as communications activities are carried out. Technical assistance by definition does not include any maintenance, which must be arranged for by the parties outside of this Agreement.

B. CHANGES IN STATE REGULATIONS

Each party will notify the other party of any relevant guidelines, applicable rules and regulations, or administrative changes which may affect the operation of its program. Each party, at its discretion, may provide the technical assistance required to implement such changes.

C. ENGINEERING PRACTICES

The party using the other parties equipment and services agrees to adhere to accepted engineering standards and practices as determined by the party owning such equipment and providing such services.

III. ACCOUNTABILITY IN UTILIZATION OF IN-KIND RESOURCES

Subject to the availability of excess capacity resources, each party shall provide to the other party reasonable access to and use of such excess capacity on its microwave communications system. For the purposes of this Agreement, use of "excess capacity" includes, but is not limited to use of available tower space; available space within existing facilities at tower sites; available resources at tower sites, such as equipment, utilities, etc; and available transmission capacity. The party using the other equipment and services shall provide the other party with a detailed report describing its use of excess capacity at each tower site. Such use is subject to review and revision by the party owning such equipment and providing such services. Each party shall comply with all applicable requirements of all State and Federal laws and statutes.

IV. ASSURANCES

A. RECORD RETENTION

Each party using the other party's equipment and services shall retain all records related to its presence and use of the other party's microwave communications system for at least three (3) years next following the end of the fiscal year of the party owning the equipment and providing such services, during which fiscal year the Agreement is terminated or State and Federal audits of the Agreement have been completed, whichever is later.

B. MONITORING

The party using the other party's equipment and services shall provide free access to any location for on-site review by the other party's staff or authorized representatives and Federal personnel of all activities related to the terms of this Agreement.

C. NONDISCRIMINATION

Each party shall comply with all Federal and State laws, rules and regulations which prohibit any unlawful discrimination. Such laws, rules and regulations shall include but not be limited to: Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, as amended (29 USC 794), all requirements imposed by applicable United

States Department of Health and Human Services (45 CFR, Part 84), and guidelines and interpretations issued pursuant thereto, the Age Discrimination Act of 1975; Title IX of the Education Amendments Act of 1972.

D. DRUG FREE WORKPLACE

Each party certifies that it is compliant with the Drug-Free Workplace Act of 1988.

E. COMPLIANCE WITH ENVIRONMENTAL TOBACCO SMOKE/PRO-CHILDREN ACT OF 1994

Each party certifies that it is compliant with Public Law 103-227, Part C-environmental Tobacco Smoke, also known as the Pro-Children Act of 1994, which imposes restrictions on smoking where Federally funded children's services are provided.

V. CHANGES IN SCOPE

Changes and modifications to this Agreement will be reduced to writing and signed by both parties before their effective date.

VI. NOTICES

Any notice required under this Agreement shall be deemed sufficiently given upon delivery, if delivered by hand (signed receipt obtained) or three (3) days after posting if properly addressed and sent certified mail return receipt requested. Said notices shall become effective on the date of receipt or the date specified within the notice, whichever comes later.

VII. CONTACT INFORMATION

For the purposes of this Agreement, the person to be contacted for EBA shall be Bill Acker, West Virginia Educational Broadcasting Authority, 600 Capitol Street, Charleston, West Virginia 25301; and the person to be contacted for the DHHR shall be William Ramsey, M. D., State EMS Medical Director, State of West Virginia, RR 5 Box 169, Bruceton Mills, West Virginia 26525.

VIII. TITLES, TENSE

In construing this Agreement, whenever appropriate, the singular tense shall also be deemed to mean the plural and vice-versa. Titles of paragraphs used herein are for the purpose of facilitating ease of reference only and shall not be construed to be a part of this Agreement.

IX. WAIVERS

No covenant, condition, duty or obligation, or undertaking contained in or made a part of this Agreement shall be waived except by the written agreement of the parties.

X. SEVERABILITY

If any provision of this Agreement, including items incorporated by reference, is declared or found to be illegal, unenforceable, or void, then DHHR and EBA shall be relieved of all obligations arising under such provision. If the remainder of this Agreement is capable of performance, it shall not be affected by such declaration or finding and shall be fully performed.

XI. VENUE

This Agreement shall be governed in all respects by the laws and statutes of the State of West Virginia.

XII. ASSIGNMENTS PROHIBITED


No party shall assign to any third party any of the subject excess capacity resources that are made available to it by the other party pursuant to this Agreement.

XIII. TERMINATION OF THE AGREEMENT

This Agreement shall remain in force until terminated, and may be terminated by either party within sixty (60) days prior written notice.


XIV. SIGNATURES

As evidenced by the duly authorized signatures below, the parties to this Agreement acknowledge and agree to the terms and conditions hereof.



RITA RAY, Executive Director
WEST VIRGINIA EDUCATIONAL BROADCASTING
AUTHORITY, STATE OF WEST VIRGINIA

5/18/04
Date



PAUL NUSBAUM, Secretary

5/26/04
Date

DEPARTMENT OF HEALTH AND HUMAN
RESOURCES, STATE OF WEST VIRGINIA

Exhibit G

Correspondence Regarding WVEBA's Move to the North Mountain Tower Site

Hiner, Virginia

From: Arthur Austin <aaustin@wvpublic.org>
Sent: Monday, August 1, 2022 12:05 PM
To: Hiner, Virginia
Cc: Tyler Garner
Subject: FW: North Mt
Attachments: North Mtn 300' fcd's.pdf

****EXTERNAL Email****

From: Todd Hetrick <toddhetrick@pillarinnovations.com>
Sent: Monday, July 11, 2022 9:17 AM
To: Curtis Paxton <Curtis.Paxton@meadhunt.com>; carl.boyer@meadhunt.com
Cc: Arthur Austin <aaustin@wvpublic.org>; Scott Crawford <scottcrawford@pillarinnovations.com>
Subject: FW: North Mt

Curtis/ Carl,

We are working with WVEBA (WV Broadcasting) who is looking to co-locate on a SIRN tower whom MH did the CD's for. They have been working with SIRN but still is having trouble with obtaining the actual foundation design drawings. Is there any chance MH would have this and could share? I have Art with WVEBA cc'd on here as well.

Any help is greatly appreciated.

Thank You

Todd Hetrick

Department Manager – Wireless Services

24 HR Service Line 855-257-1116

Pillar Innovations, LLC

104 Corporate Drive - Morgantown, WV 26501

P - 304.983.8900 x2425 | **F** - 304.983.8905 | **C** - 301.616.6344

www.pillarinnovations.com

Proud Member of:



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From: Arthur Austin <aaustin@wvpublic.org>

Sent: Friday, July 8, 2022 3:20 PM

To: Todd Hetrick <toddhetrick@pillarinnovations.com>

Subject: North Mt

Todd,

Hope this will help just got it.

Arthur Austin

(304)284-1448 C (304)541-7539

West Virginia Public Broadcasting

"Telling West Virginia's Story"

www.wvpublic.org

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West Virginia Public Broadcasting

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West Virginia Public Broadcasting

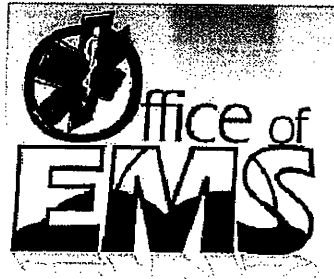
"Telling West Virginia's Story"

www.wvpublic.org

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Exhibit H

Foundation Drawings for the North Mountain Tower Site



STATE OF WEST VIRGINIA
OFFICE OF EMERGENCY MEDICAL
SERVICES

ALEXANDER UTILITY
ENGINEERING, INC.

975 W BITTERS RD.
SAN ANTONIO, TX 78216
(210) 496-3200

NORTH MOUNTAIN (MARTINSBURG)
PROPOSED ANTENNA INSTALLATION
300' SELF-SUPPORT TOWER



STATE OF WEST VIRGINIA
OFFICE OF EMERGENCY MEDICAL
SERVICES

SITE NAME:
NORTH MOUNTAIN (MARTINSBURG)

SITE NUMBER:

SITE ADDRESS:
STATE ROUTE 598
MARTINSBURG, WV 25401

AREA:
N/A

PROPERTY OWNER:
WEST VIRGINIA EMS TECHNICAL
SUPPORT NETWORK, INC.
BLDG 3 RM 210 CAPITAL COMPLEX
CHARLESTON, WV 25305

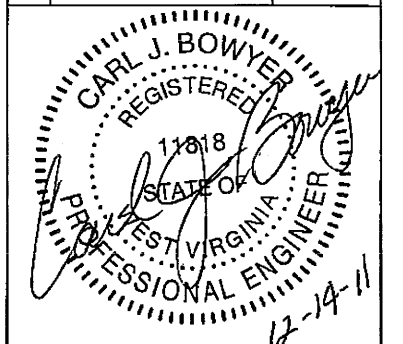
COUNTY: BERKELEY

DISTRICT: GERRARDSTOWN

MAP NUMBER: 10

PARCEL NUMBER: 84

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	08/31/11
2	ISSUE FOR CONSTRUCTION	12/14/11



Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4019000-114981.01

TITLE SHEET
SHEET
T-1

PROPERTY OWNER: _____

RF REPRESENTATIVE: _____

CONSTRUCTION MANAGER: _____

REPRESENTATIVE: _____

SIGNATURE

DATE

SIGNATURE BLOCK

SITE NAME
NORTH MOUNTAIN (MARTINSBURG)

SITE ADDRESS
SR 598
MARTINSBURG, WV, 25401

SITE DATA
NAD 83 LATITUDE - N39° 27' 36.238"
NAD 83 LONGITUDE - W78° 03' 44.725"
ELEVATION - 1477.7±'
* PER 1A LETTER DATED: 12/22/2011

PROJECT DESCRIPTION
CONSTRUCTION OF 300' SELF-SUPPORT TOWER.
INSTALLATION OF A 10' x 20' SHELTER.
CONSTRUCTION OF A 12' WIDE GRAVEL ROAD TO
SITE. NEW UTILITY RUNS TO SITE.

JURISDICTION
BERKELEY COUNTY

CONTACTS
RICK GILLESPIE
PENDLETON COUNTY E-911
PO BOX 471
FRANKLIN, WV 26807
(304) 668-2822 PHONE
(304) 358-3271 E-911 PHONE
(304) 358-7913 E-911 FAX

JOE GONZALEZ
STATE OF WEST VIRGINIA
STATE TRAUMA AND EMERGENCY
MEDICAL SYSTEM (STEMS)
190 HART FIELD RD.
MORGANTOWN, WV 26505
(304) 626-5012 PHONE

SHEET T-1	TITLE SHEET
SHEET C-1	EXISTING CONDITIONS
SHEET C-2	SITE PLAN
SHEET C-3	GRADING PLAN
SHEET C-4	UTILITY SERVICE PLAN
SHEET C-5	TOWER ELEVATION
SHEET C-6	GROUNDING PLAN
SHEET D-1	MISCELLANEOUS DETAILS
SHEET D-2	MISCELLANEOUS DETAILS
SHEET D-3	MISCELLANEOUS DETAILS
SHEET D-4	MISCELLANEOUS DETAILS
SHEET D-5	MISCELLANEOUS DETAILS
SHEET D-6	MISCELLANEOUS DETAILS
SHEET D-7	GENERAL NOTES

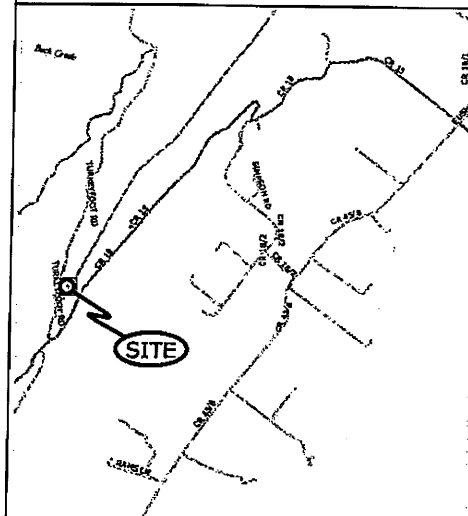
SHEET INDEX

POLICE/FIRE/RESCUE
911

ELECTRIC POWER
ALLEGHENY POWER
CONTACT: CUSTOMER SERVICE
PHONE#: 800-255-3443

TELEPHONE
FRONTIER
CONTACT: CUSTOMER SERVICE
PHONE#: 877-352-7011

EMERGENCY AND UTILITY CONTACTS



AREA MAP

DESIGN ENGINEER

Mead & Hunt

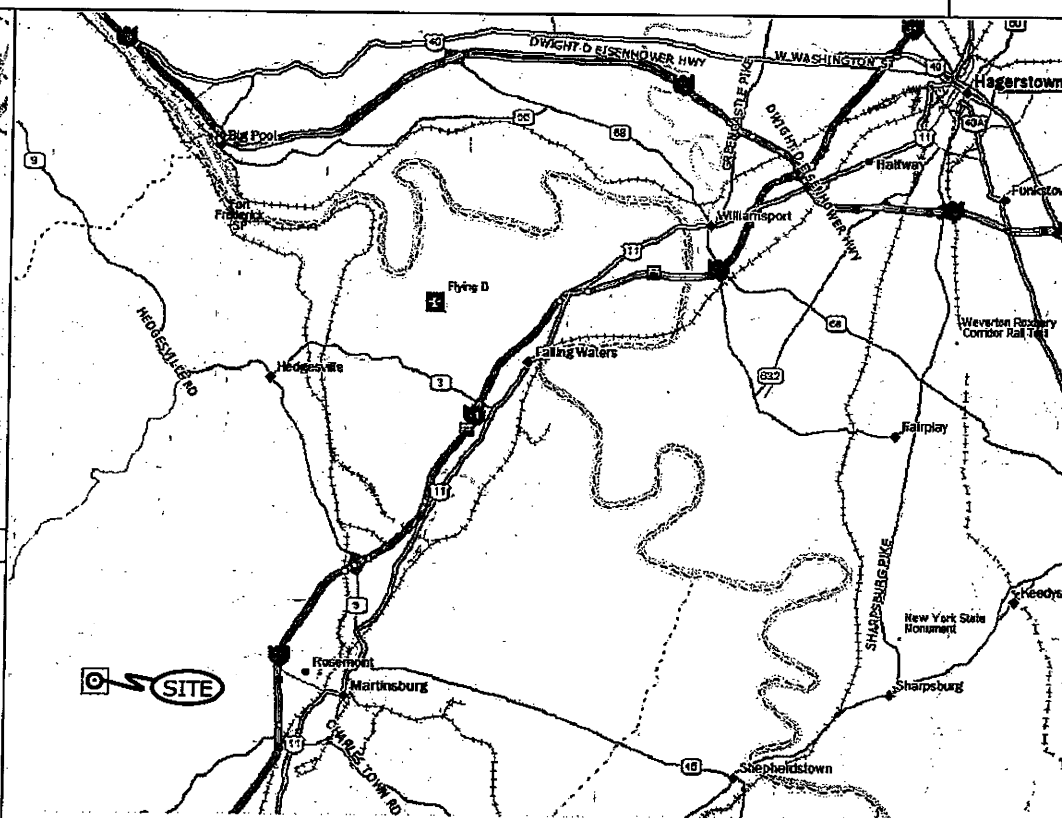
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

SURVEYING

Mead & Hunt

400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

CONSULTANT TEAM



VICINITY MAP

SITE DIRECTIONS

FROM CHARLESTON, WV TAKE I-79 NORTH APPROX. 150 MILES TO EXIT 148 (I-68). FOLLOW I-68 APPROX 112 MILES TO EXIT 82ABC (I-70) TOWARD HAGERSTOWN. FOLLOW I-70 APPROX. 24 MILES TO EXIT 26 (I-81) TOWARD MARTINSBURG. FOLLOW I-81 APPROX. 16 MILES TO EXIT 13 (CD 15). TURN RIGHT AND FOLLOW CR 15 APPROX. 3 MILES TILL IT TURNS TO CR 18 AND FOLLOW AN ADDITIONAL 2 MILES TO TURKEYFOOT ROAD, ON THE RIGHT. TURN RIGHT AND FOLLOW APPROX. .10 OF A MILE TO AN UNIMPROVED ROAD ON THE RIGHT. TURN RIGHT AND FOLLOW TO AN EXISTING TOWER SITE AND THE PROPOSED LEASE AREA.

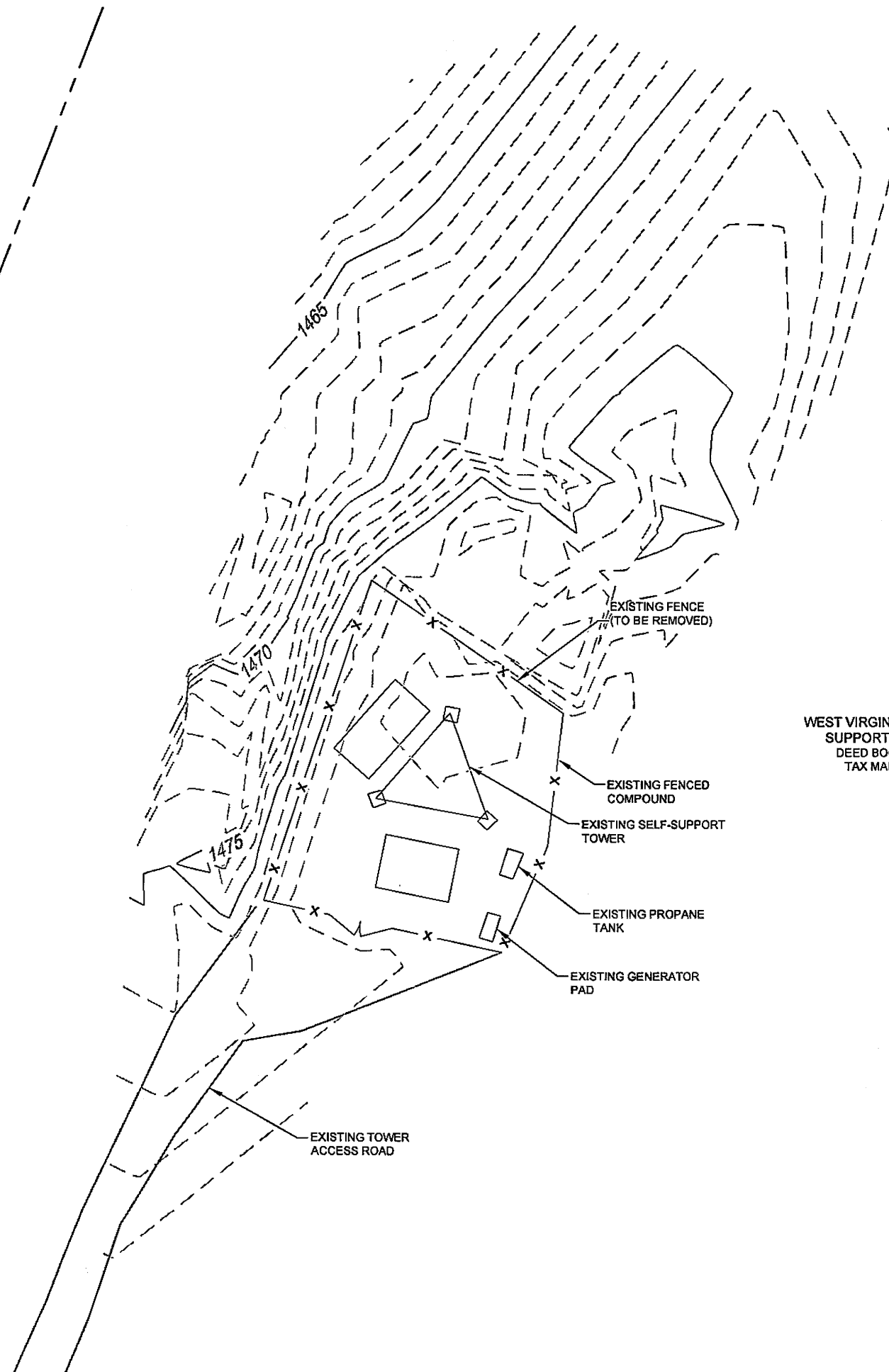
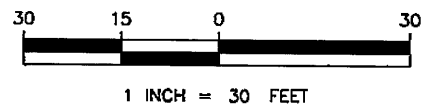
DIRECTIONS TO SITE

PROJECT INFORMATION

NORTH MERIDIAN REFERENCED TO W.V.
STATE PLANE COORDINATE SYSTEM
NORTH ZONE (NAD83)

OVERHOLSER
DEED BOOK 240 PAGE 438
TAX MAP 10 PARCEL 11.1

GRAPHIC SCALE



WEST VIRGINIA EMS TECHNICAL
SUPPORT NETWORK, INC.
DEED BOOK 765 PAGE 697
TAX MAP 10 PARCEL 84

LEGEND

---	---	PROPERTY LINE
---	---	TRACT LINE
---	---	LEASE LINE
---	---	ROW LINE
x	x	EXISTING FENCE LINE
xx	xx	PROPOSED FENCE LINE
G	G	GAS LINE
E	E	OVERHEAD POWER
T	T	OVERHEAD TELEPHONE
-UE-	-UE-	UNDERGROUND POWER
-UT-	-UT-	UNDERGROUND TELCO.
E&T	E&T	OVERHEAD POWER/TELEPHONE
SF		PROPOSED SILT FENCE
⊙		5/8" REBAR W/CAP SET
□		FOUND MONUMENTATION
⊙		CALCULATED POINT
⊙		EXISTING UTILITY POLE
⊙		PROPOSED UTILITY POLE



STATE OF WEST VIRGINIA
OFFICE OF EMERGENCY MEDICAL
SERVICES

SITE NAME:
NORTH MOUNTAIN (MARTINSBURG)

SITE NUMBER:

SITE ADDRESS:
STATE ROUTE 598
MARTINSBURG, WV 25401

AREA:
N/A

PROPERTY OWNER:
WEST VIRGINIA EMS TECHNICAL
SUPPORT NETWORK, INC.
BLDG 3 RM 210 CAPITAL COMPLEX
CHARLESTON, WV 25305

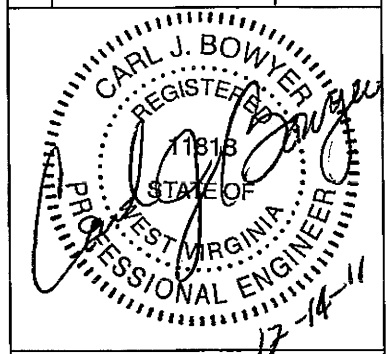
COUNTY: BERKELEY

DISTRICT: GERRARDSTOWN

MAP NUMBER: 10

PARCEL NUMBER: 84

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	08/31/11
2	ISSUE FOR CONSTRUCTION	12/14/11



**Mead
& Hunt**

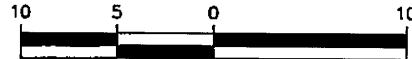
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4019000-114981.01

EXISTING CONDITIONS	SHEET
	C-1



2



1 INCH = 10 FEET

_____	PROPERTY LINE
_____	TRACT LINE
_____	LEASE LINE
_____	ROW LINE
_____X_____X_____	EXISTING FENCE LINE
_____XX_____XX_____	PROPOSED FENCE LINE
_____G_____G_____	GAS LINE
_____E_____E_____	OVERHEAD POWER
_____T_____T_____	OVERHEAD TELEPHONE
_____UE_____UE_____	UNDERGROUND POWER
_____UT_____UT_____	UNDERGROUND TELCO.
_____E&T_____E&T_____	OVERHEAD POWER/TELEPHONE
_____SF_____	PROPOSED SILT FENCE
⊙	5/8" REBAR W/CAP SET
⊠	FOUND MONUMENTATION
●	CALCULATED POINT
⊙	EXISTING UTILITY POLE
⊙	PROPOSED UTILITY POLE



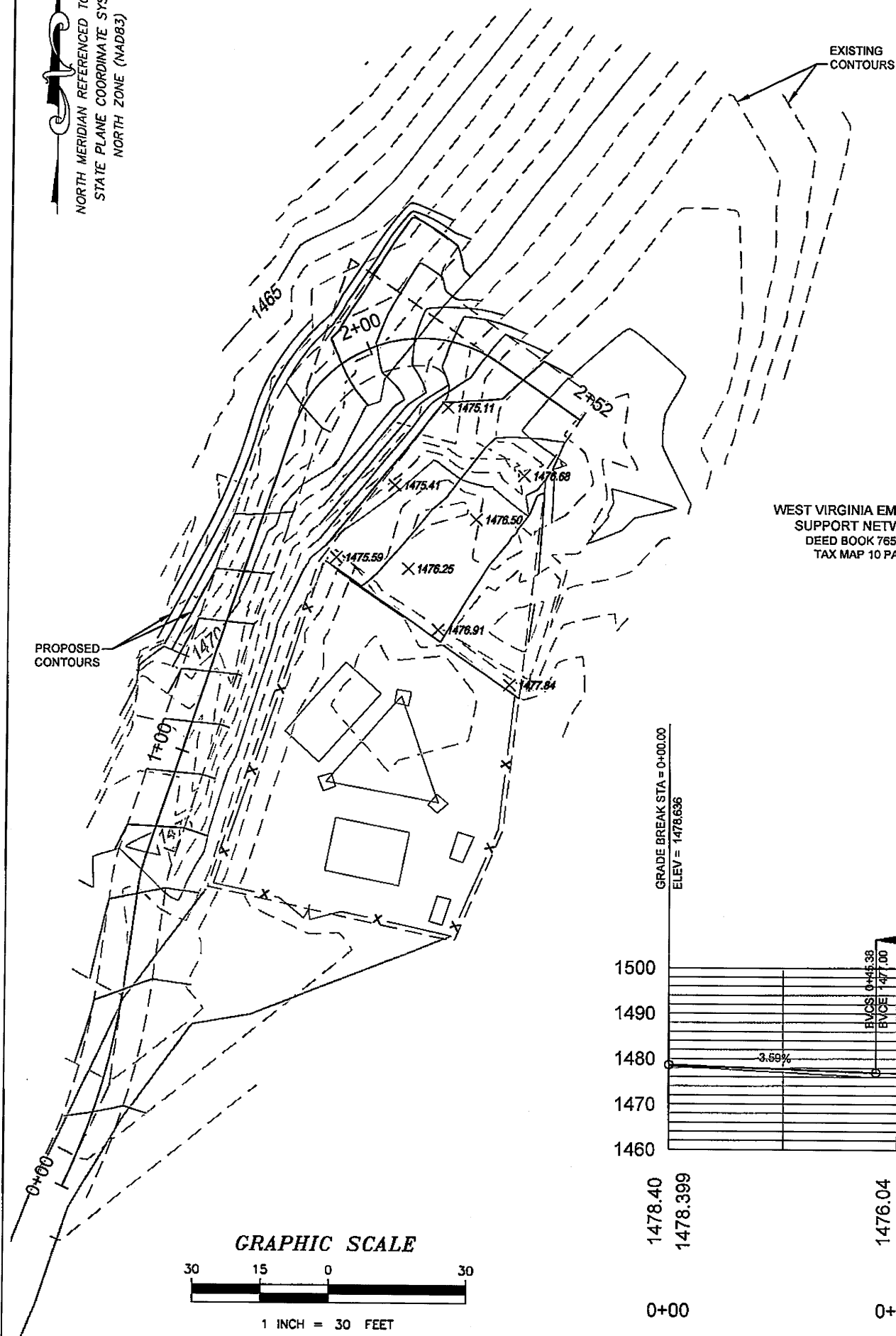
NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	08/31/1
2	ISSUE FOR CONSTRUCTION	12/14/1



SITE PLAN	SHEET
	63



NORTH MERIDIAN REFERENCED TO W.V.
STATE PLANE COORDINATE SYSTEM
NORTH ZONE (NAD83)



EMBANKMENT PLACEMENT

SITE PREPARATION RECOMMENDATIONS

ALL TOPSOIL, TREES, AND VEGETATION SHOULD BE REMOVED PRIOR TO BEGINNING SITE GRADING. ANY UNDERGROUND UTILITY LINES LOCATED IN THE STRUCTURE AREA SHOULD BE REMOVED AND/OR RELOCATED. ALL VOIDS CREATED BY REMOVAL OF UNDERGROUND ITEMS AND TREE STUMPS SHOULD BE PROPERLY BACKFILLED IN ACCORDANCE WITH FILL AND BACKFILL RECOMMENDATIONS. ADEQUATE SURFACE WATER DRAINAGE SHOULD BE PROVIDED DURING CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETED. THE SITE SHOULD BE GRADED SUCH THAT SURFACE WATER FLOWS AWAY FROM THE STRUCTURE. SOIL SHOULD SLOPE AWAY FROM THE FOUNDATIONS AT A MINIMUM TEN PERCENT SLOPE FOR AT LEAST 10 FT. FROM THE FOUNDATIONS.

FILL AND BACKFILL RECOMMENDATIONS

ANY FILL OR BACKFILL REQUIRED SHOULD BE PLACED IN MAXIMUM 8 INCH LOOSE LIFTS AND COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR LABORATORIES TEST (ASTM D-698). EACH LAYER OF FILL OR BACKFILL SHOULD BE TESTED BY A QUALIFIED GEOTECHNICAL ENGINEERING FIRM TO DETERMINE THAT ADEQUATE COMPACTION HAS BEEN ACHIEVED PRIOR TO PLACEMENT OF ADDITIONAL FILL LIFTS. FILL OR BACKFILL SHOULD CONSIST OF NON-ORGANIC SOIL/ROCK MATERIAL WITH A MAXIMUM PARTICLE SIZE OF 4 INCHES IN ANY DIRECTION. THE MOISTURE CONTENT OF FILL MATERIAL SHOULD BE WITHIN THREE PERCENT OF THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY A STANDARD PROCTOR TEST.

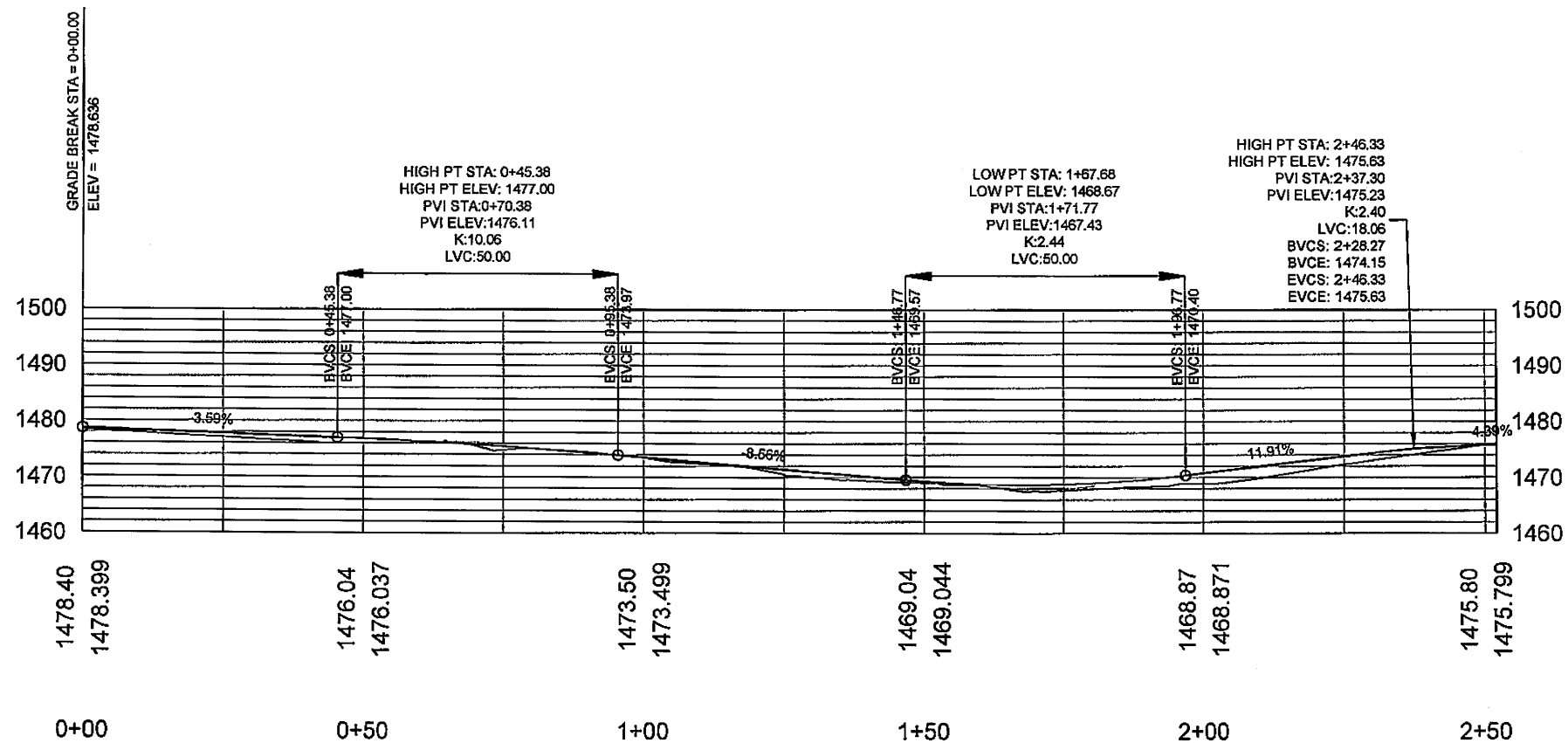
LEGEND

---	PROPERTY LINE
---	TRACT LINE
---	LEASE LINE
---	ROW LINE
x x	EXISTING FENCE LINE
xx xx	PROPOSED FENCE LINE
G G	GAS LINE
E E	OVERHEAD POWER
T T	OVERHEAD TELEPHONE
-UE -UE	UNDERGROUND POWER
-UT -UT	UNDERGROUND TELCO.
E&T E&T	OVERHEAD POWER/TELEPHONE
SF	PROPOSED SILT FENCE
⊙	5/8" REBAR W/CAP SET
□	FOUND MONUMENTATION
⊙	CALCULATED POINT
⊙	EXISTING UTILITY POLE
⊙	PROPOSED UTILITY POLE
x 1477.41	SPOT ELEVATION

NOTE:
THE GRADING SHOWN IN THESE PLANS ARE
CONCEPTUAL AND NOT SUITABLE FOR
CONSTRUCTION. FINAL GRADING SHALL BE
DETERMINED DURING THE GEOTECHNICAL
INVESTIGATION FOR THE TOWER (BY OTHERS).



Know what's below.
Call before you dig.



SITE NAME:
NORTH MOUNTAIN (MARTINSBURG)

SITE NUMBER:

SITE ADDRESS:
STATE ROUTE 598
MARTINSBURG, WV 25401

AREA:
N/A

PROPERTY OWNER:
WEST VIRGINIA EMS TECHNICAL
SUPPORT NETWORK, INC.
BLDG 3 RM 210 CAPITAL COMPLEX
CHARLESTON, WV 25305

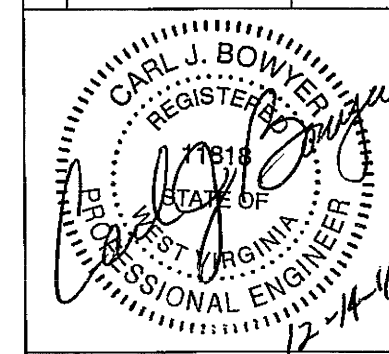
COUNTY: BERKELEY

DISTRICT: GERRARDSTOWN

MAP NUMBER: 10

PARCEL NUMBER: 84

NO.	REVISION/ISSUE	DATE
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Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4019000-114981.01

GRADING PLAN
SHEET
C-3

NORTH MERIDIAN REFERENCED TO W.V.
STATE PLANE COORDINATE SYSTEM
NORTH ZONE (NAD83)

PROPOSED 12'
GRAVEL ACCESS
ROAD

EXISTING
FENCED
COMPOUND

PROPOSED
FENCED
COMPOUND

PROPOSED
GATE

PROPOSED
METERBOARD

PROPOSED
10' x 20'
SHELTER

PROPOSED 300'
SELF-SUPPORT
TOWER

EXISTING
BUILDING

EXISTING
SELF-SUPPORT
TOWER

PROPOSED
1000 GAL.
PROPANE
TANK

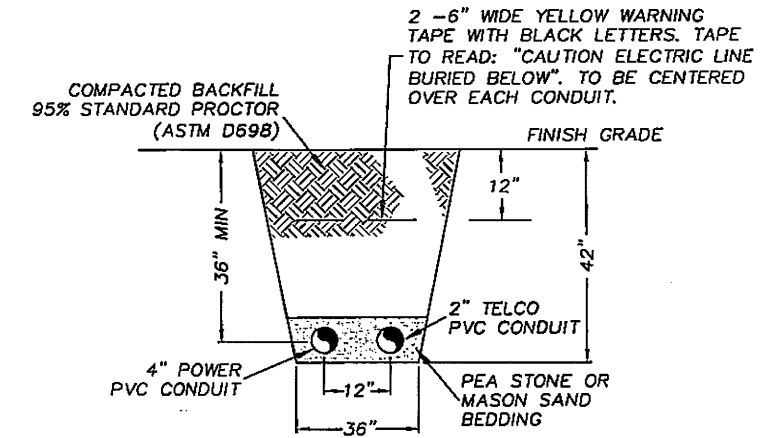
PROPOSED
4' x 8'
GENERATOR
PAD

EXISTING
PROPANE
TANK

EXISTING
BUILDING

LEGEND

---	PROPERTY LINE
---	TRACT LINE
---	LEASE LINE
---	ROW LINE
-x-x-	EXISTING FENCE LINE
-xx-xx-	PROPOSED FENCE LINE
-E-E-	OVERHEAD POWER
-T-T-	OVERHEAD TELEPHONE
-UE-UE-	UNDERGROUND POWER
-UT-UT-	UNDERGROUND TELCO.
-E&T-E&T-	OVERHEAD POWER/TELEPHONE
●	5/8" REBAR W/CAP SET
□	FOUND MONUMENTATION
○	CALCULATED POINT
⊙	EXISTING TELCO PEDESTAL
⊙	EXISTING UTILITY POLE
⊙	PROPOSED UTILITY POLE



TRENCHING DETAIL FOR CONDUIT ROUTING NOT TO SCALE

NOTE:

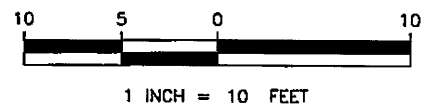
1. CONDUITS ARE TO BE STUBBED UP TO NEAREST UTILITY POLE WITHIN 2" OF THE POLE.
2. ALL DISTURBED AREAS NOT COVERED BY STONE ARE TO BE SEEDED AND MULCHED.
3. CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL OF UNSUITABLE MATERIAL WHICH WILL NOT COMPACT PROPERLY.

NOTE:

ORIGIN OF UTILITY RUNS TO SITE
SHALL BE DETERMINED BY THE
RESPECTIVE UTILITY PROVIDERS.



GRAPHIC SCALE



SITE NAME:
NORTH MOUNTAIN (MARTINSBURG)

SITE NUMBER:

SITE ADDRESS:
STATE ROUTE 598
MARTINSBURG, WV 25401

AREA:
N/A

PROPERTY OWNER:
WEST VIRGINIA EMS TECHNICAL
SUPPORT NETWORK, INC.
BLDG 3 RM 210 CAPITAL COMPLEX
CHARLESTON, WV 25305

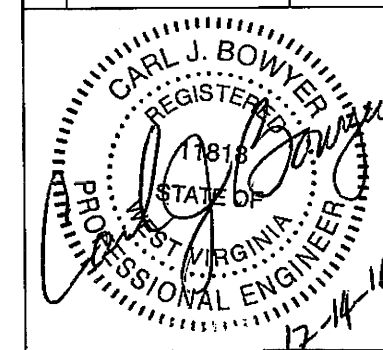
COUNTY: BERKELEY

DISTRICT: GERRARDSTOWN

MAP NUMBER: 10

PARCEL NUMBER: 84

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	08/31/11
2	ISSUE FOR CONSTRUCTION	12/14/11



Mead & Hunt

400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4019000-114981.01

UTILITY SERVICE
PLAN

SHEET

C-4

PRE-BID NOTES:

TOP OF LIGHTNING ROD _____

TOP OF TOWER ELEV. = 300' _____

SIDE LIGHTS _____

ELEV. 0' _____

TOWER ELEVATION

N.T.S.

NOTES:

1. THE TOWER AND TOWER FOUNDATION HAS BEEN DESIGNED BY OTHERS.
2. THE CONTRACTOR TO VERIFY THE COAX AND CABLE LADDER PLACEMENT WITH A REPRESENTATIVE OF THE OWNER.
3. ALL COAX LINES TO BE DOUBLED STACKED.
4. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE TOWER DESIGN AND/OR CURRENT STRUCTURAL ANALYSIS PERFORMED BY OTHERS.
5. THE CONTRACTOR TO VERIFY ANTENNA INFORMATION 48 HOURS PRIOR TO INSTALLING.
6. THIS DRAWING IS FOR GENERAL INFORMATION ONLY.



STATE OF WEST VIRGINIA
OFFICE OF EMERGENCY MEDICAL
SERVICES

SITE NAME:
NORTH MOUNTAIN (MARTINSBURG)

SITE NUMBER:

SITE ADDRESS:
STATE ROUTE 598
MARTINSBURG, WV 25401

AREA:
N/A

PROPERTY OWNER:
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SUPPORT NETWORK, INC.
BLDG 3 RM 210 CAPITAL COMPLEX
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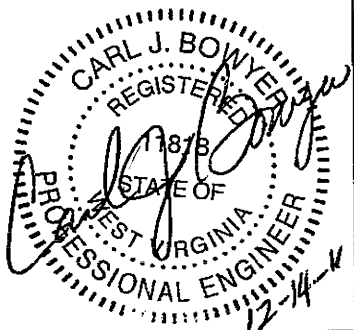
COUNTY: BERKELEY

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**Mead
& Hunt**

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PROJECT # R4019000-114981.01

TOWER ELEVATION

SHEET

C-5

NORTH MERIDIAN REFERENCED TO W.V.
STATE PLANE COORDINATE SYSTEM
NORTH ZONE (NAD83)

PROPOSED 12'
GRAVEL ACCESS
ROAD

EXISTING
FENCED
COMPOUND

EXISTING
BUILDING

EXISTING
SELF-SUPPORT
TOWER

PROPOSED 300'
SELF-SUPPORT
TOWER

PROPOSED
10' x 20'
SHELTER

PROPOSED
ICE BRIDGE

PROPOSED
GENERATOR
GROUND RING

PROPOSED
1000 GAL.
PROPANE
TANK

PROPOSED
METERBOARD

PROPOSED
SHELTER
GROUND RING

PROPOSED
4' x 8'
GENERATOR
PAD

PROPOSED
FLEXIBLE
GATE
JUMPER
(2 PLACES)

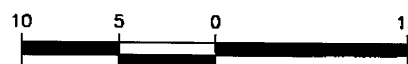
PROPOSED
JUMPER TO
FENCE POST
(TYP.)

PROPOSED
INSPECTION WELL
(TYP.)
ICE BRIDGE POST
LEAD (TYP.)

PROPOSED
FENCED
COMPOUND

CADWELD (TYP.)

GRAPHIC SCALE



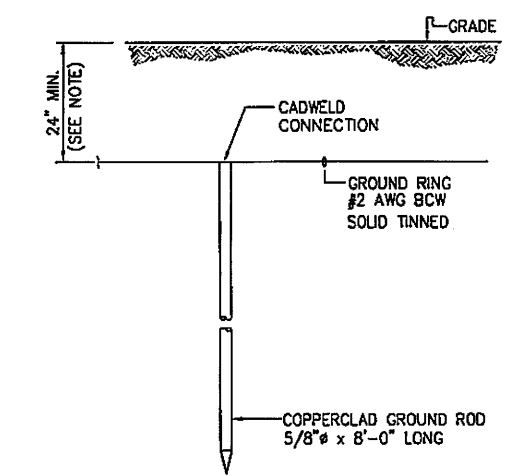
1 INCH = 10 FEET

LEGEND

- 5/8" COPPER-CLAD STEEL GROUND ROD
- ⊙ GROUND ROD WITH PLASTIC INSPECTION SLEEVE
- COMPRESSION LUG CONNECTION
- ▶ EXOTHERMIC WELD GROUNDING CONNECTION
- E — POWER WIRING
- T — TELCO WIRING
- — — GROUND WIRING

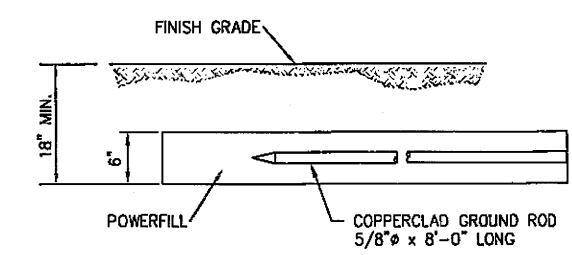
ABBREVIATIONS

A	AMPERE	PVC	POLYVINYL CHLORIDE
C	CONDUIT	V	VOLT
(E)	EXISTING	W	WIRE
G	GROUND	Ø	PHASE
P	POLE		



NOTE: GROUND ROD SHALL BE MIN. 24" BELOW GRADE
OR 6" BELOW FROST LINE (WHICH EVER IS GREATER)

VERTICAL GROUND ROD INSTALLATION NOT TO SCALE



HORIZONTAL GROUND ROD INSTALLATION NOT TO SCALE

NOTE:
ANY SPARE GROUNDS ARE TO
BE COILED AND HAVE 6" COVER.



STATE OF WEST VIRGINIA
OFFICE OF EMERGENCY MEDICAL SERVICES

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SITE NUMBER:

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MARTINSBURG, WV 25401

AREA:
N/A

PROPERTY OWNER:
WEST VIRGINIA EMS TECHNICAL
SUPPORT NETWORK, INC.
BLDG 3 RM 210 CAPITAL COMPLEX
CHARLESTON, WV 25305

COUNTY: BERKELEY

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Mead & Hunt

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(304) 345-6714 FAX

PROJECT # R4019000-114981.01

GROUNDING PLAN	SHEET C-6
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SITE NAME:
NORTH MOUNTAIN (MARTINSBURG)

SITE NUMBER:

SITE ADDRESS:
STATE ROUTE 598
MARTINSBURG, WV 25401

AREA:
N/A

PROPERTY OWNER:
WEST VIRGINIA EMS TECHNICAL
SUPPORT NETWORK, INC.
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CHARLESTON, WV 25305

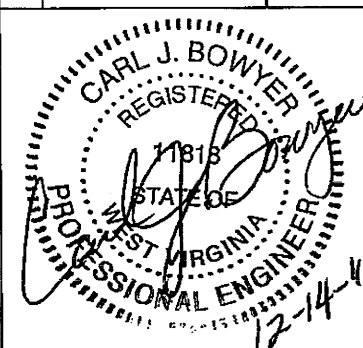
COUNTY: BERKELEY

DISTRICT: GERRARDSTOWN

MAP NUMBER: 10

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NO.	REVISION/ISSUE	DATE
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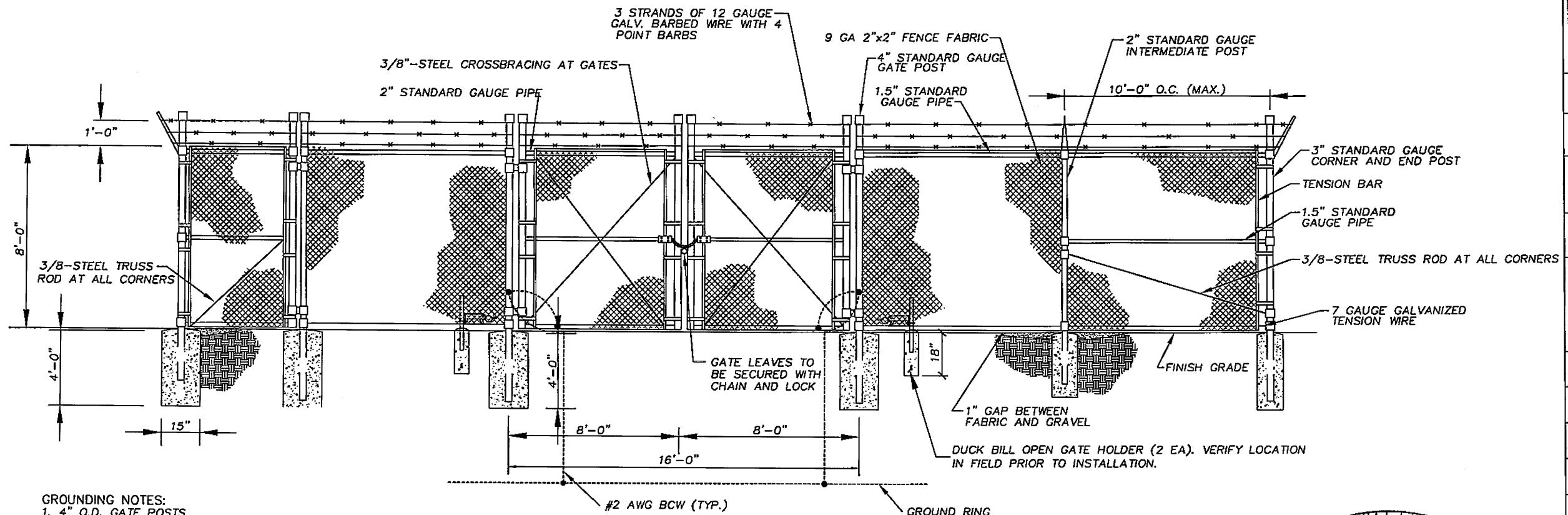


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PROJECT # R4019000-114981.01

MISCELLANEOUS DETAILS
SHEET
D-1



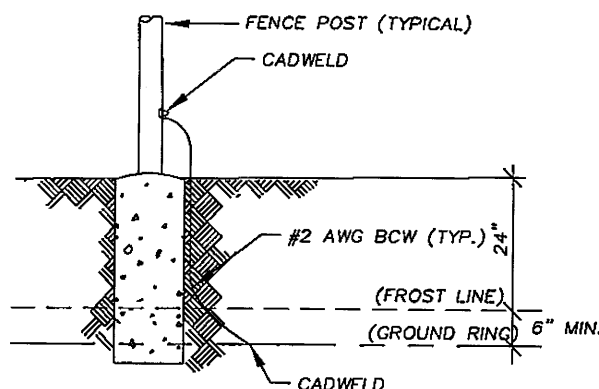
GROUNDING NOTES:

1. 4" O.D. GATE POSTS.
2. 2" O.D. PERIMETER FRAMING POSTS.
3. 1-1/2" O.D. INTERIOR FRAMING.
4. GATE JUMPER SHALL BE MIN. #2/0 AWG WELDED CABLE. BURNDY TYPE B WITH SLEEVES ON EACH END DESIGNED FOR EXOTHERMIC WELDING.
5. GATE JUMPER SHALL BE INSTALLED SO THAT IT WILL NOT BE SUBJECTED TO DAMAGE STRAIN WHEN GATE IS FULLY OPEN IN EITHER DIRECTION.

**96 INCH HIGH CHAIN LINK FENCE GATE DETAIL
NOT TO SCALE**

FENCE SPECIFICATIONS

1. FENCING MATERIAL SHALL BE CYCLONE TYPE 1 FENCE AS MANUFACTURED BY USS OR EQUAL.
2. FABRIC HEIGHT IS TO BE 8' EXCLUDING BARBED WIRE.
3. BARBED WIRE SHALL BE 3-STRANDS/CLASS 3 GALVANIZED/INVCIBLE WITH EXTENSION ARMS EXTENDING UPWARD AND OUTWARD AT A 45° ANGLE.
4. FABRIC SHALL BE 2" MESH/9 GAUGE MIN. WITH ZINC COATING.
5. GATE SHALL HAVE POSITIVE TYPE LATCHING DEVICES WITH PROVISIONS FOR PADLOCKING.
6. ALL POSTS, RAILS AND APPURTENANCES SHALL BE 9 GAUGE HOT-DIPPED ZINC COATED STEEL. PIPE POSTS SHALL HAVE TOPS WHICH EXCLUDE MOISTURE.
7. END, CORNER, PULL AND GATE POSTS ARE TO BE BRACED WITH THE SAME MATERIAL AS TO RAIL. ALL POSTS SHALL BE SET IN A CONCRETE FOUNDATION OF 1:2:4 MIX HAVING A MINIMUM DIAMETER OF 9" AND AT LEAST A 36" DEPTH. LINE POSTS SHALL BE EVENLY SPACED 10' OR LESS APART.
8. FENCE IS TO BE INSTALLED IN A PROFESSIONAL MANNER TO BE THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN THAT THE FENCE IS INSTALLED. ALL POST SHALL BE ALIGNED AND INSTALLED AT THE SAME ELEVATION AND ALL TOP RAIL SHALL BE HELD LEVEL. ENHANCE THE APPEARANCE OF THE INSTALLATION, TO PREVENT ENTRANCE OF PERSONS AND ANIMALS AND TO PROTECT EQUIPMENT. BE SURE THE GRADE AT THE FENCE LINE IS CORRECT, LEVEL AND FINAL BEFORE BEGINNING INSTALLATION.

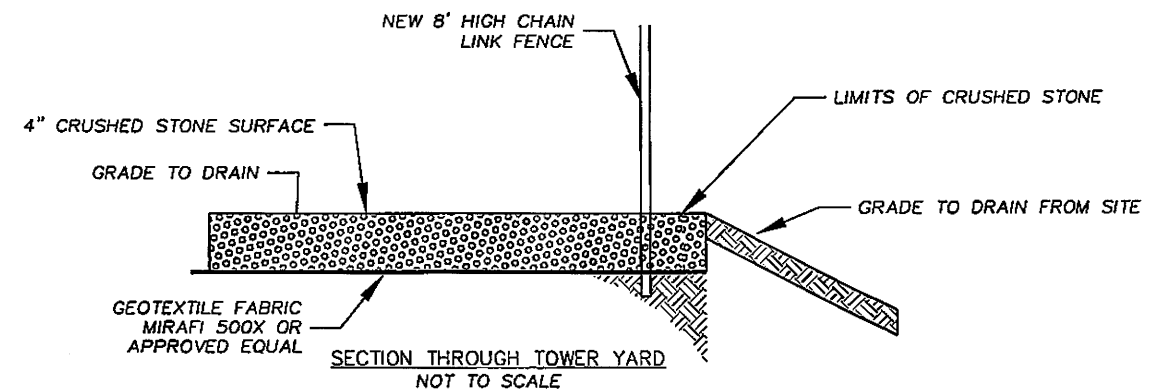
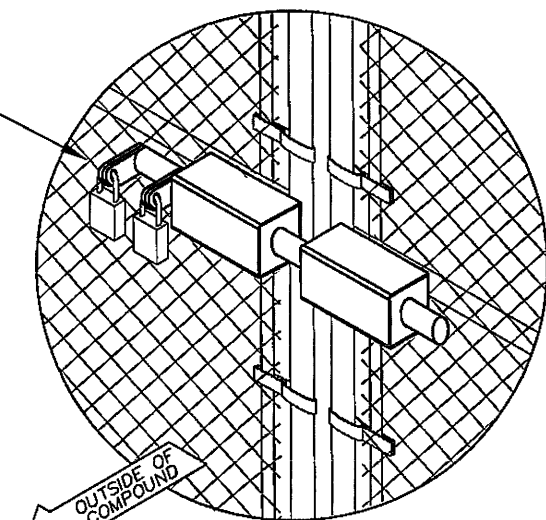


GROUNDING NOTES:

1. CAD WELD BCW TO VERTICAL POSTS (ABOVE GROUND) ACCORDING TO GROUNDING PLAN.
2. INSTALL GROUND RING MIN. 18"-24" BELOW GRADE OR 6" BELOW FROST LINE.

**FENCE GROUNDING DETAIL
NOT TO SCALE**

STYMI LOCK (U.S PAT 5868015)
STYMI LOCK, LLC
PO BOX 398
PINEVILLE, NC 28134
1-888-278-9643



GENERAL NOTES - ELECTRIC WORK

WORK INCLUDED:

THIS SPECIFICATION AND ACCOMPANYING DRAWINGS CONTEMPLATES THE PROVISIONS AND INSTALLATION REQUIRED BY THE ELECTRICAL CONTRACTOR TO PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO COMPLETE THE INSTALLATION OF THE ELECTRICAL WORK IN CONNECTION WITH THE TOWER SITE AND SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, THE FOLLOWING:

1. THE PROVISIONS FOR THE INSTALLATION AND CONNECTION OF A GROUNDING ELECTRODE SYSTEM COMPLETE WITH EQUIPMENT AND SECONDARY GROUNDING, EXISTING TOWER GROUNDING AND CONNECTIONS TO THE INCOMING ELECTRICAL DISTRIBUTION EQUIPMENT.
2. THE PROVISIONS FOR THE INSTALLATION OF AN ELECTRICAL SERVICE AND ALL ASSOCIATED CONDUIT AND WIRING AS REQUIRED.
3. ALL UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC. (UNLESS OTHERWISE NOTED)
4. ALL SPARE CONDUITS SHALL BE LEFT WITH A PULL WIRE FOR FUTURE USE. STUB BOTH ENDS OF SPARE CONDUIT 12 INCHES ABOVE FINISHED GRADE, AND INSTALL PLUGS AT BOTH ENDS.
5. THE CONTRACTOR SHALL FURNISH AND INSTALL THE ELECTRICAL SERVICE ENTRANCE CONDUCTORS AND CONDUIT AND MAKE THE CONNECTION TO THE SERVICE EQUIPMENT.
6. THE CONTRACTOR SHALL FURNISH AND INSTALL A 200 lb TEST PULL LINE IN ALL SPARE CONDUIT.
7. CONTRACTOR SHALL NOTIFY ELECTRICAL AND TELEPHONE SERVICE CONTACTS AT START OF CONSTRUCTION.
8. ABOVE GRADE CONDUIT RISERS SHALL BE GALVANIZED STEEL WITH MATCHING FITTINGS.
9. THE CONTRACTOR SHALL PERFORM ALL WORK SHOWN ON THE EQUIPMENT DRAWINGS, NOTED FIELD WORK, AND/OR AS OTHERWISE NOTED TO BE COMPLETED IN THE FIELD.
10. ALL WIRE SHALL BE (COPPER, 600V THHW, 90°C) UNLESS NOTED OTHERWISE.
11. CONTRACTOR SHALL MAINTAIN A DISTANCE OF 12 INCHES BETWEEN EXISTING/NEW TELCO & ELECTRIC CONDUITS UNLESS NOTED OTHERWISE.
12. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE PROPOSED GROUNDING SYSTEM PRIOR TO TRENCHING.

CODES, PERMITS AND FEES:

1. ALL REQUIRED PERMITS, LICENSES, INSPECTIONS AND APPROVALS SHALL BE SECURED AND ALL ASSOCIATED FEES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
2. THE INSTALLATION SHALL COMPLY WITH ALL STATE, LOCAL, AND NATIONAL APPLICABLE CODES, AND ORDINANCES RELATIVE TO THE DESIGN.
3. PERFORMANCE CHARACTERISTICS AND METHODS OF CONSTRUCTION OF ALL ITEMS AND EQUIPMENT, SHALL BE IN ACCORDANCE WITH THE LATEST ISSUE OF THE VARIOUS APPLICABLE STANDARDS SPECIFICATIONS OF THE FOLLOWING RECOGNIZED AUTHORITIES:
A.N.S.I. - AMERICAN NATIONAL STANDARDS INSTITUTE
I.E.E.E. - INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
N.E.C. - NATIONAL ELECTRIC CODE
N.E.M.A. - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
N.F.P.A. - NATIONAL FIRE PROTECTION ASSOCIATION
U.L. - UNDERWRITERS LABORATORIES, INC.
4. THE CONTRACTOR SHALL BE LICENSED TO PERFORM WORK IN THE STATE, CITY, OR COUNTY IN WHICH THE PROJECT SITE IS LOCATED.

GROUNDING ELECTRODE SYSTEM

CONNECTIONS

ALL GROUNDING CONNECTIONS SHALL BE MADE BY THE EXOTHERMIC WELDED PROCESS (CADWELD OR APPROVED EQUAL), UNLESS OTHERWISE SHOWN ON THE DRAWINGS. CONNECTIONS SHALL INCLUDE ALL CABLE TO CABLE, SPLICES, TEE'S, X'S, ETC. ALL CABLE TO GROUND RODS, GROUND ROD SPLICES, AND LIGHTING PROTECTION SYSTEM AS INDICATED. ALL MATERIALS USED (MOLDS, WELDING METAL, TOOLS, ETC.) SHALL BE CADWELD AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES.

GROUND RODS

ALL GROUND RODS SHALL BE 5/8" INCH COPPER CLAD STEEL COPPERWELD OR APPROVED EQUAL. THE MINIMUM NUMBER OF GROUNDING RODS REQUIRED SHALL BE THE NUMBER AS SHOWN AND AT THE LOCATIONS AS INDICATED ON THE PLANS. GROUNDING RODS SHALL BE DRIVEN VERTICALLY IN UNDISTURBED EARTH FOR ITS FULL LENGTH SO THAT THE TOP IS 24 INCHES BELOW FINISHED GRADE. ALL GROUND RODS SHALL BE AT LEAST 8 FEET APART UNLESS OTHERWISE NOTED.

GROUNDING LEADS

ALL GROUND LEADS CONNECTED TO BURIED GROUND RINGS SHALL BE #2 AWG TINNED SOLID COPPER. COIL 6 FEET OF #2 AWG TINNED SOLID COPPER AT EACH EQUIPMENT CABINET, COAX ENTRY GROUND BAR, PIPE BRIDGE SUPPORT FOUNDATIONS, AND TOWER FOUNDATIONS FOR TERMINATION BY THE ELECTRICAL CONTRACTOR. AFTER EQUIPMENT INSTALLATION, THE ELECTRICAL CONTRACTOR SHALL SPLICE GROUND RING LEAD TO #2 AWG INSULATED STRANDED COPPER WIRE SUPPLIED WITH EQUIPMENT.

4. GROUND RING

THE GROUND RING REQUIRED TO GROUND THE EQUIPMENT FRAME SHALL BE #2 AWG TINNED SOLID COPPER CABLE IN DIRECT CONTACT WITH THE EARTH AT A DEPTH OF NOT LESS THAN 24 INCHES. CONDUCTOR BENDS SHALL HAVE A MINIMUM RADIUS OF 12 INCHES. A 2 FOOT CLEARANCE FROM ANY FOUNDATION OR SIDEWALK SHALL BE MAINTAINED..

5. BACKFILL

BACK FILL MATERIAL SHALL BE NON-CORROSIVE. LOW RESISTIVITY MATERIAL FREE OF STONE, DEBRIS, ETC. AND TAMPED DOWN THOROUGHLY IN LAYERS NOT EXCEEDING SIX (6) INCHES IN DEPTH, AND COMPACTED TO AT LEAST 95% OF ORIGINAL DENSITY BEFORE EXCAVATION.

6. MISCELLANEOUS

ALL EXTERIOR METAL SHALL BE CONNECTED TO THE GROUNDING SYSTEM WITH HIGH PRESSURE 2-BOLD LUG BY BURNDY OR BY THE EXOTHERMIC WELDED PROCESS (CADWELD OR APPROVED EQUAL) AS APPLICABLE. ALL OTHER CONNECTIONS FOR THE GROUND GRID SYSTEM SHALL BE MADE BY THE EXOTHERMIC WELDED PROCESS (CADWELD OR APPROVED EQUAL) AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES. ALL MECHANICAL FASTENER CONNECTIONS CONNECTED TO GROUND BARS SHALL BE LUBRICATED WITH A CORROSION INHIBITOR; THOMAS AND BETTS KOPR - SHIELD.

7. UTILITY COMPANY COORDINATION

ELECTRICAL CONTRACTOR SHALL COMPLETE ALL WORK IN ACCORDANCE WITH THE RULES AND GUIDELINES OF THE LOCAL UTILITY COMPANY. BEFORE SUBMITTING HIS BID, THE CONTRACTOR SHALL CHECK WITH THE UTILITY COMPANIES SUPPLYING SERVICE TO THIS PROJECT AND SHALL DETERMINE FROM THEM, ALL EQUIPMENT AND CHARGES WHICH THEY REQUIRE, AND SHALL INCLUDE THE COST IN HIS BID.

8. GROUND TEST

GROUND TESTS SHALL BE PERFORMED UTILIZING A BIDDLE GROUND OHMER OR THE METHOD OF USING TWO AUXILIARY GROUND RODS MAY BE USED AS DESCRIBED IN I.E.E.E. STANDARD No. 550, PARAGRAPH 3.42. THE I.E.E.E. METHOD REQUIRES THE USE OF AN A.C. TEST CURRENT. THE AUXILIARY TEST RODS MUST BE SUFFICIENTLY FAR AWAY FROM THE ROD UNDER TEST SO THAT THE REGIONS IN WHICH THEIR RESISTANCE IS LOCATED DOES NOT OVERLAP. THE CONTRACTOR SHALL MAINTAIN CONTINUITY OF EXISTING GROUND RING BY SPLICING (VIA CADWELD) ANY CUT OR BROKEN SECTIONS WITH #2 SOLID TINNED COPPER TO EXISTING OR NEW GROUNDING SYSTEM.

D. TESTING

1. ALL TEST SHALL BE PERFORMED BY AUTHORIZED AND QUALIFIED PERSONNEL.
2. THE CONTRACTOR SHALL CONDUCT GROUND RESISTANCE TEST IN THE FORMAT AS FOLLOWS: PERFORM TEST WITH THE GROUND RODS CONNECTED WITH DRY SOIL AND WHEN NO STANDING OR GROUND WATER HAS BEEN PRESENT FOR THE PAST TEN DAYS. IF THE RESISTANCE OF THE ENTIRE SYSTEM EXCEEDS 5 OHMS, THE ELECTRICAL CONTRACTOR AND OWNER'S REPRESENTATIVE SHOULD BE NOTIFIED SO THAT ADDITIONAL AND/OR DEEPER RODS CAN BE INSTALLED.
3. THE CONTRACTOR SHALL CALL AN AT&T REPRESENTATIVE FOR INSPECTION OF THE GROUNDING SYSTEM 48 HOURS PRIOR TO ITS COMPLETION. THE SYSTEM SHALL BE LEFT UNCOVERED UNTIL APPROVED.
4. UPON COMPLETION OF THE GROUNDING SYSTEM, THE ELECTRICAL CONTRACTOR SHALL MEGGER TEST THE GROUND SYSTEM. THE TEST IS TO BE PERFORMED BEFORE CONNECTING IT TO THE TOWER RING AND THEN AGAIN THEREAFTER. MAXIMUM RESISTANCE LEVEL IS 5 OHMS. THE LOCATION, DATE, TIME, AND WEATHER CONDITIONS, AND SOIL MOISTURE CONTENT SHALL BE RECORDED. IF 5 OHMS IS EXCEEDED WITH CURRENT CONFIGURATION, THE ELECTRICAL CONTRACTOR SHALL SUBMIT A QUOTE TO THE OWNER TO LOWER THE RESISTANCE TO 5 OHMS OR LESS.

E. ELECTRICAL LOADS

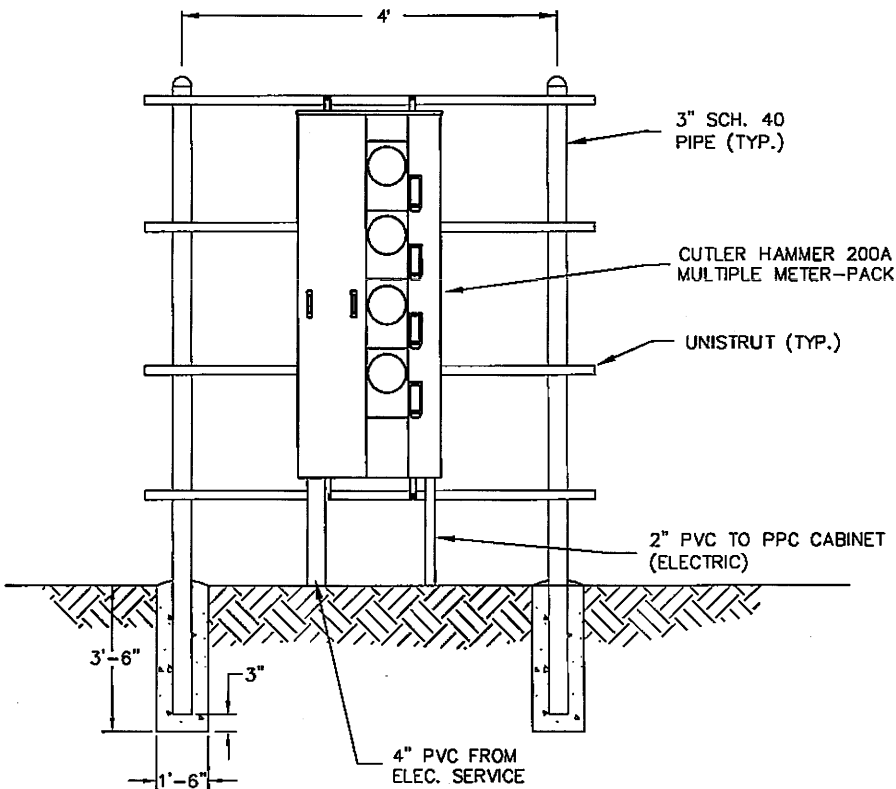
1. THE EQUIPMENT IS SET UP FOR A 200 AMP, 120/240 VOLT, SINGLE PHASE, THREE WIRE ELECTRICAL SERVICE. THE TOTAL CONNECTED LOAD IS 10.1 KILOVOLT-AMPERES (KVA).

SPECIAL CONTRACTOR NOTES

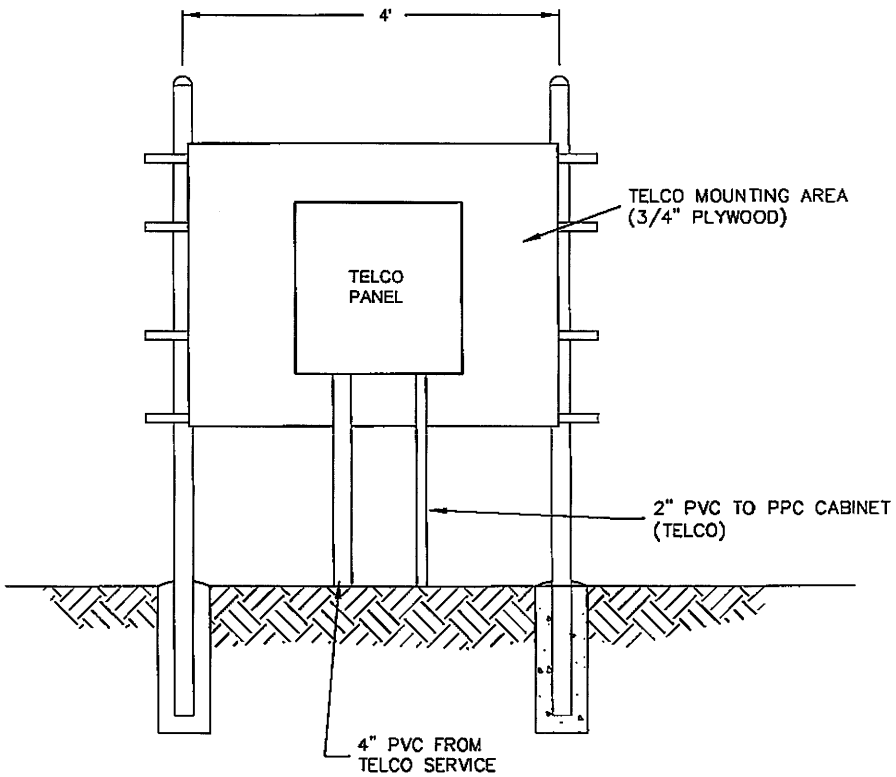
NOTE 1:

1. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ANY EXISTING GROUNDING GRID PRIOR TO TRENCHING.
2. CONTRACTOR SHALL MAINTAIN CONTINUITY OF EXISTING GROUND RING BY SPLICING (VIA CADWELD) ANY CUT OR BROKEN SECTIONS WITH #2 SOLID TINNED COPPER TO THE EXISTING OR NEW GROUNDING.

NOTE 2:



(FRONT VIEW-TOWARD FENCE)



(BACK VIEW-TOWARD TOWER)

METERBOARD DETAIL

NOT TO SCALE



STATE OF WEST VIRGINIA
OFFICE OF EMERGENCY MEDICAL
SERVICES

SITE NAME:
NORTH MOUNTAIN (MARTINSBURG)

SITE NUMBER:

SITE ADDRESS:
STATE ROUTE 598
MARTINSBURG, WV 25401

AREA:
N/A

PROPERTY OWNER:
WEST VIRGINIA EMS TECHNICAL
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BLDG 3 RM 210 CAPITAL COMPLEX
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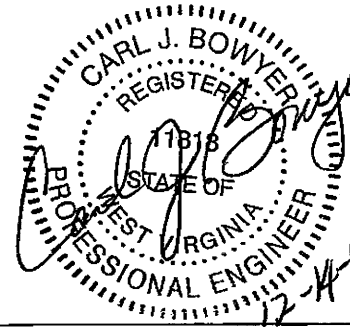
COUNTY: BERKELEY

DISTRICT: GERRARDSTOWN

MAP NUMBER: 10

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Mead & Hunt

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CHARLESTON, WV 25311
(304) 345-6712 PHONE
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PROJECT # R4019000-114981.01

MISCELLANEOUS DETAILS	SHEET
	D-2

SITE NAME:

NORTH MOUNTAIN (MARTINSBURG)

SITE NUMBER:

SITE ADDRESS:

STATE ROUTE 598
MARTINSBURG, WV 25401

AREA:

N/A

PROPERTY OWNER:

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COUNTY:

BERKELEY

DISTRICT:

GERRARDSTOWN

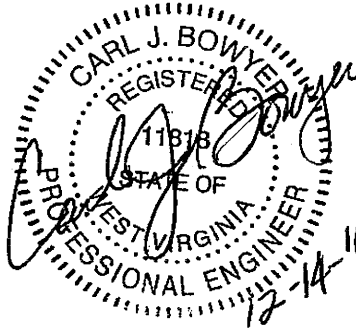
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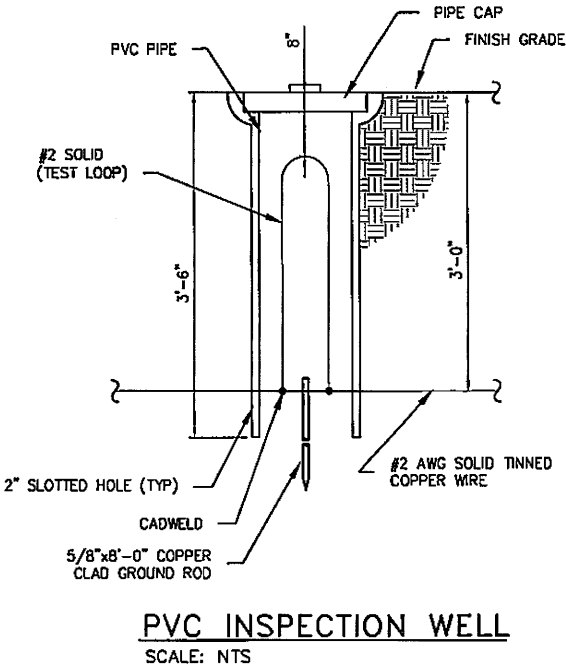
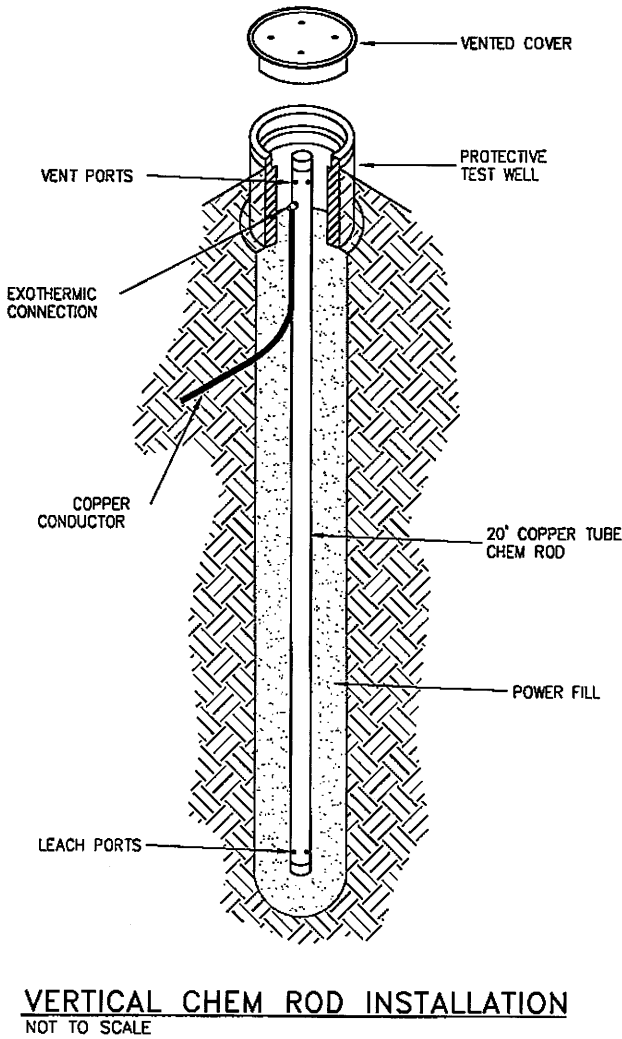
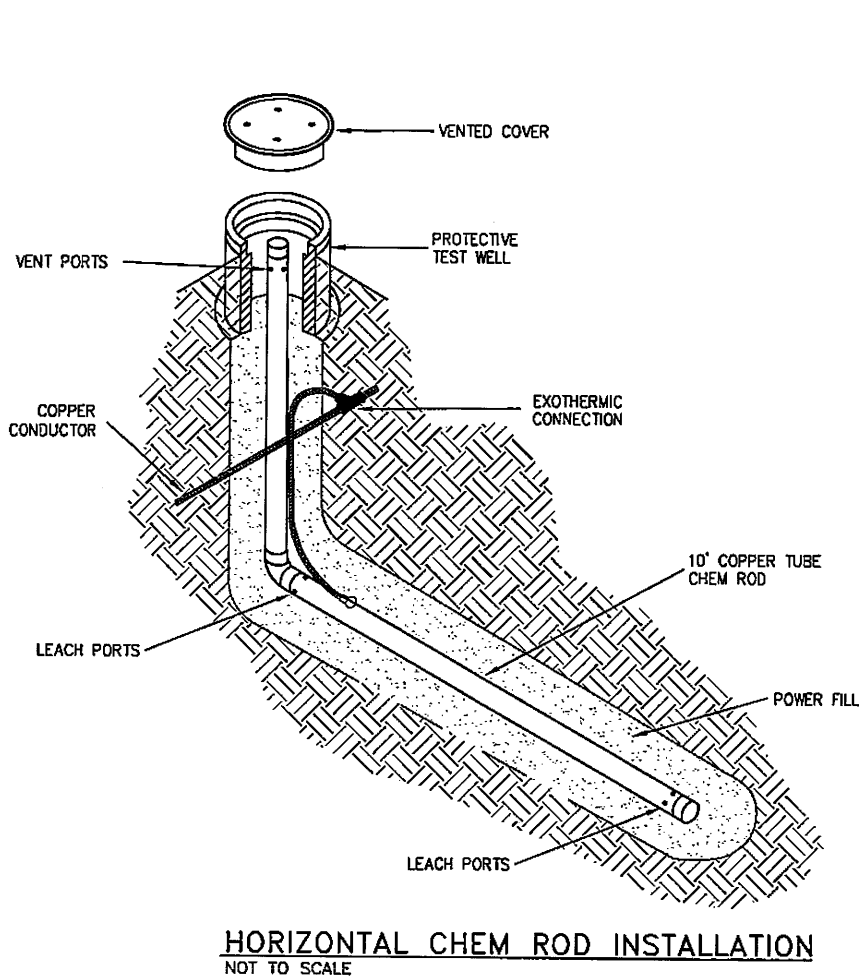


Mead & Hunt

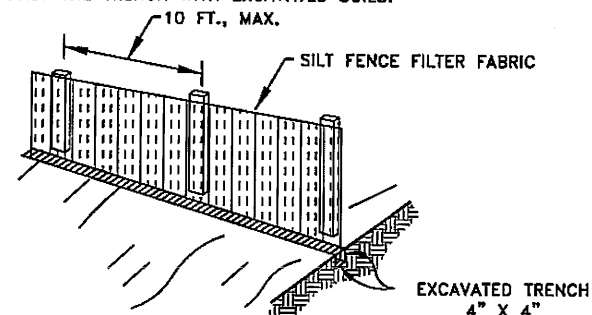
400 TRACY WAY, SUITE 200
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PROJECT # R4019000-114981.01

MISCELLANEOUS DETAILS	SHEET
	D-3



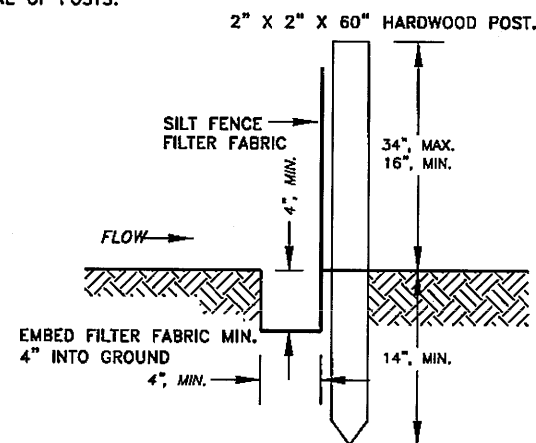
1. SET POSTS ALONG CONTOUR OF THE LAND AND EXCAVATE TRENCH UP SLOPE ALONG THE LINE OF POSTS.
2. ATTACH THE FILTER FABRIC TO THE FENCE POSTS AND EXTEND IT INTO THE DITCH.
3. BACKFILL AND COMPACT THE TRENCH WITH EXCAVATED SOILS.



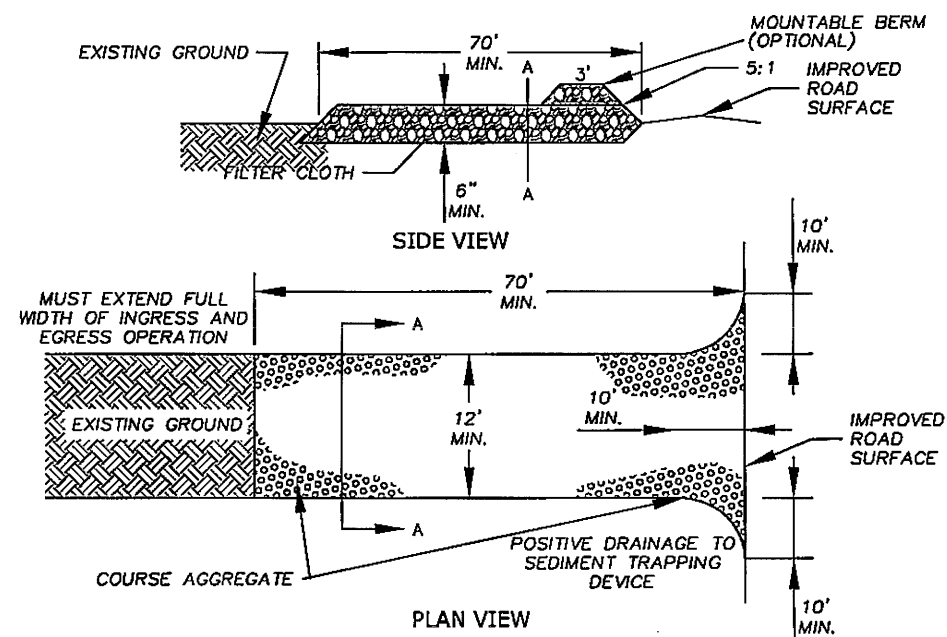
SILT FENCE DETAIL
NOT TO SCALE

SILT FENCE NOTES:

1. FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO ALIGNMENT LENGTH TO AVOID JOINTS. WHERE JOINTS ARE UNAVOIDABLE, THE FABRIC SHALL BE SPLICED TOGETHER AT A SUPPORT POST BY TWISTING THE POST OF EACH RUN AROUND EACH OTHER.
2. FILTER FABRIC SHALL BE FASTENED SECURELY TO THE UP-SLOPE SIDE OF THE SUPPORT POSTS USING ONE INCH, MINIMUM, LONG HEAVY-DUTY WIRE STAPLES OR TIE WIRES WITH EIGHT INCHES, MINIMUM, OF FABRIC EXTENDED INTO THE TRENCH. DO NOT STAPLE FABRIC TO TREES.
3. COMPACTED SOIL BACKFILL SHALL BE PLACED IN THE 4" BY 4" TRENCH ATOP THE EXTENDED FABRIC.
4. POSTS SHALL BE CONSTRUCTED OF 2" X 2" HARDWOOD OR 2" X 4" PINE BY 60" LONG.
5. FILTER FABRIC SHALL BE NON-WOVEN "MIRAFI 100X", "EXXON GTF 180" OR EQUAL.
6. APPROVED PREFABRICATED UNITS INCLUDE "GEOFAB", "ENVIROFENCE", OR APPROVED EQUAL.
7. THE MAXIMUM RUN OF SLOPE ABOVE A ROW OF SILT FENCE IS 110 FEET.



SILT FENCE INSTALLATION DETAIL
NOT TO SCALE



SECTION A-A

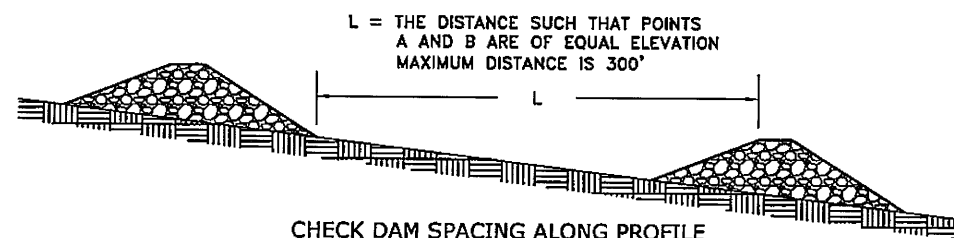
STABILIZATION CONSTRUCTION ENTRANCE
NOT TO SCALE

STABILIZATION CONSTRUCTION ENTRANCE NOTES:

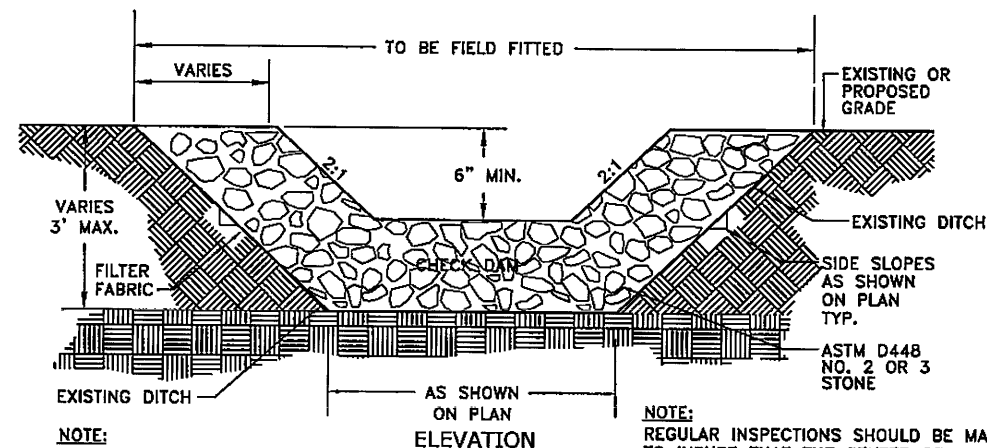
1. USE 2-4 INCH STONE FOR LOW VOLUME ENTRANCES. LARGER STONE (4-6 INCH) FOR HEAVY USE OR MATERIAL DELIVERY ENTRANCES.
2. LENGTH IS AS REQUIRED, BUT NOT LESS THAN 70 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LEG WOULD APPLY).
3. THICKNESS SHOULD BE NOT LESS THAN 6 INCHES.
4. THE WIDTH SHALL BE A MINIMUM OF 10 FEET, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. GEOTEXTILE FABRIC SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO THE PLACING OF STONE.
6. ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF A CULVERT IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES SHALL BE USED.
7. IF NECESSARY, DIVERT ANY WATER RUNNING DOWN ACCESS ROAD TO A SEDIMENT TRAP LOCATED ON EITHER SIDE OF THE STABILIZATION CONSTRUCTION ENTRANCE.

MAINTENANCE & REPAIR OF E&SPC FACILITIES

1. A ROCK CONSTRUCTION ENTRANCE SHALL BE PLACED AT THE POINT OF CONSTRUCTION INGRESS AND EGRESS AS SHOWN ON THE PLAN. THIS STRUCTURE WILL PREVENT TRACKING AND FLOWING OF SEDIMENT ONTO EXISTING STABILIZED AREAS. THE ENTRANCE SHALL REMAIN FUNCTIONAL FOR THE DURATION OF THE PROJECT.
2. WHERE DUST OR WIND EROSION IS A PROBLEM, THE UNSTABLE SURFACE(S) SHALL BE SPRINKLED WITH WATER OR OTHER SUITABLE DUST SUPPRESSOR.
3. THE CONTRACTOR SHALL EMPLOY MEASURES DURING CONSTRUCTION TO PREVENT SPILLS OF FUELS OR LUBRICANTS. IF A SPILL OCCURS, IT SHALL BE CONTROLLED IMMEDIATELY TO PREVENT ITS ENTRY INTO NEARBY WATERWAYS.
4. ANY TEMPORARY EROSION CONTROL MEASURE APPLIED TO EXPOSED SOIL SURFACES SHALL REMAIN FUNCTIONAL UNTIL VEGETATIVE COVER IS SUFFICIENTLY ESTABLISHED.
5. PERMANENT SOIL PROTECTION WILL BE COMPLETED AS EARLY AS PRACTICAL.
6. ANY DEBRIS ACCUMULATED AT SILT BARRIER FENCING SHALL BE REMOVED AND PROPERLY DISPOSED. BARRIERS SHALL BE CHECKED DAILY AND REALIGNED OR RESET AS REQUIRED. REMOVE SEDIMENT WHEN IT REACHES ONE HALF OF FENCE HEIGHT.
7. VEGETATIVE STABILIZATION SHALL BE PERIODICALLY INSPECTED FOR PROPER GROWTH. ANY AREAS NOT RESPONDING SHALL BE PROMPTLY RESEED. AREAS WHICH SHOW SIGNS OF EROSION PRIOR TO STABILIZATION SHALL BE GRADED, RESEED, AND REMULCHED AS SOON AS POSSIBLE. SOD SHALL BE UTILIZED AT AREAS WHERE SEEDING DOES NOT APPEAR TO BE PROPERLY STABILIZING AN AREA. 8. THE ROCK CONSTRUCTION ENTRANCE SHALL BE CLEANED AND RESEED WHEN VOIDS BECOME CHOKED WITH MUD AND SEDIMENT.
9. MISCELLANEOUS ADDITIONS, ADJUSTMENTS OR CORRECTIONS SHALL BE MADE TO ANY EROSION CONTROL STRUCTURE AS DEEMED NECESSARY BY THE ENGINEER, COUNTY OR MUNICIPAL REPRESENTATIVE IN ORDER TO CORRECT PROBLEMS UNFORESEEN OR PROBLEMS CAUSED BY STORMS PRIOR TO STABILIZATION.
10. ALL TEMPORARY MEASURES SHALL BE REMOVED FROM THE SITE AND THE AREA SHALL BE RESTORED TO ORIGINAL CONDITIONS AS CLOSELY AS POSSIBLE.

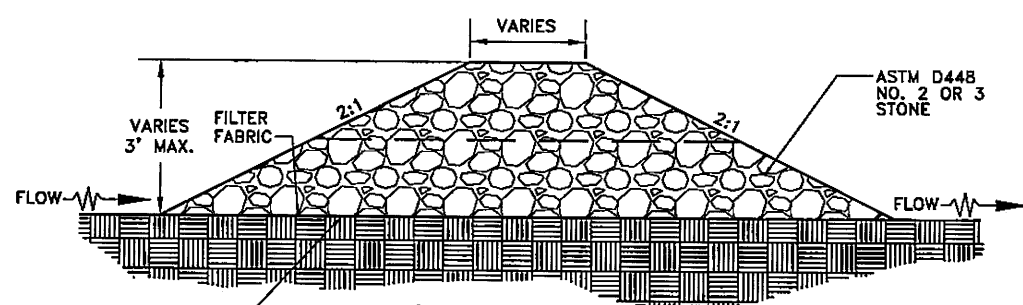


CHECK DAM SPACING ALONG PROFILE



NOTE:
CHECK FOR SEDIMENT ACCUMULATION AFTER EACH SIGNIFICANT RAINFALL. SEDIMENT SHOULD BE REMOVED WHEN IT REACHES ONE HALF OF THE ORIGINAL HEIGHT OR BEFORE.

NOTE:
REGULAR INSPECTIONS SHOULD BE MADE TO INSURE THAT THE CENTER OF THE DAM IS LOWER THAN THE EDGES. EROSION CAUSED BY HIGH FLOWS AROUND THE EDGES OF THE DAM SHOULD BE CORRECTED IMMEDIATELY.



SECTION
CHECK DAM DETAIL
NOT TO SCALE

NOTE:
CHECK DAM MUST BE INSTALLED UPSTREAM FROM ALL PROPOSED CULVERTS.

SITE NAME:
NORTH MOUNTAIN (MARTINSBURG)

SITE NUMBER:

SITE ADDRESS:
STATE ROUTE 598
MARTINSBURG, WV 25401

AREA:
N/A

PROPERTY OWNER:
WEST VIRGINIA EMS TECHNICAL
SUPPORT NETWORK, INC.
BLDG 3 RM 210 CAPITAL COMPLEX
CHARLESTON, WV 25305

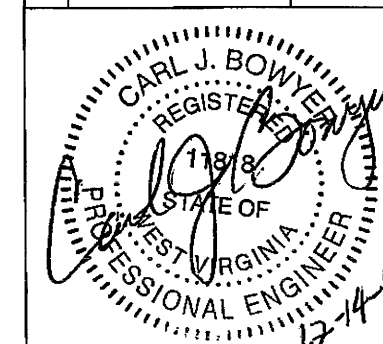
COUNTY:
BERKELEY

DISTRICT:
GERRARDSTOWN

MAP NUMBER:
10

PARCEL NUMBER:
84

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	08/31/11
2	ISSUE FOR CONSTRUCTION	12/14/11



Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4019000-114981.01

MISCELLANEOUS DETAILS
D-4



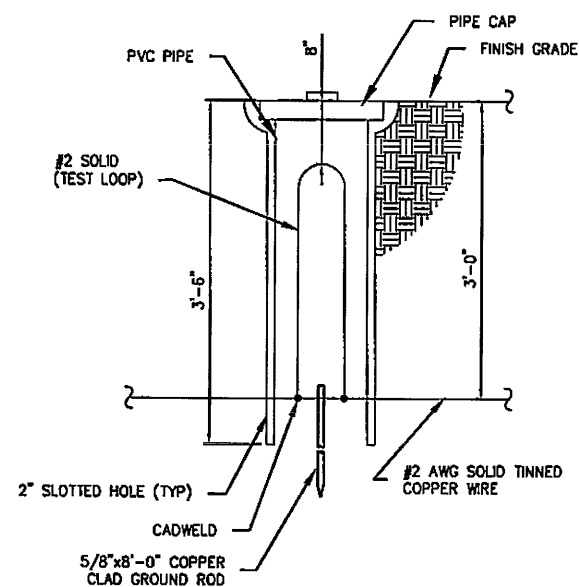
GENERAL NOTES

1. CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL OF UNSUITABLE MATERIAL THAT WILL NOT COMPACT PROPERLY.
2. CONTRACTOR WILL PROVIDE ENOUGH MATERIAL TO INSURE THE ACCESS ROAD FINISHED STONE ELEVATIONS ARE HIGHER THAN THE SURROUNDING GROUND.
3. THE LOCATIONS OF ANY CULVERTS AND/OR DITCHES SHOWN HEREON AS SHOWN IN THEIR APPROXIMATE PRE-CONSTRUCTION CONFIGURATION. THE FINAL OR AS-BUILT LOCATIONS MAY BE FIELD ADJUSTED BY THE CONSTRUCTION MANAGER TO COMPENSATE FOR MINOR VARIATIONS IN THE ROADWAY LOCATION, SLOPES, DITCHES, ETC.
4. MINIMUM STRENGTH OF CONCRETE SHALL BE 4000 PSI.

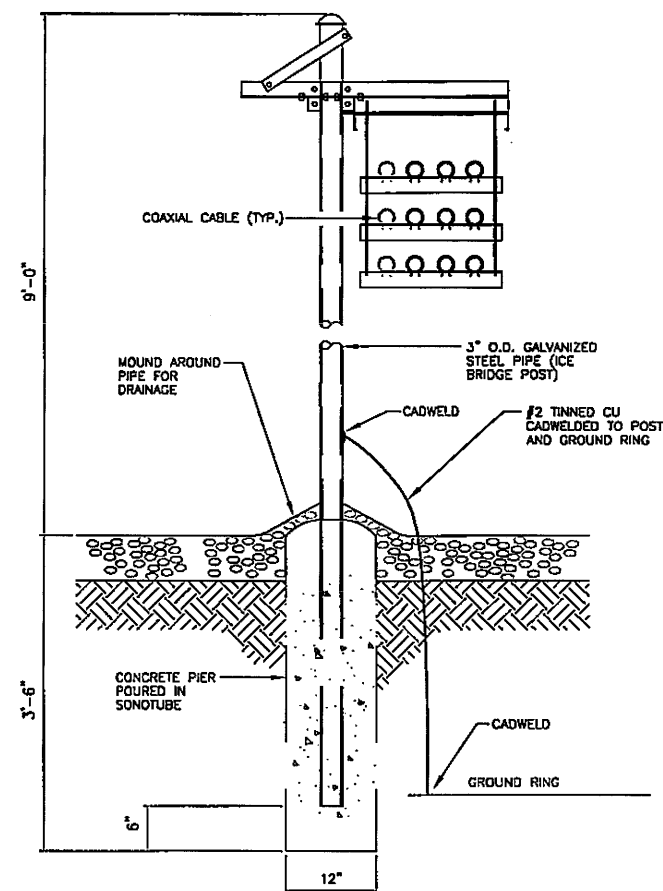


CONCRETE PAD DETAIL

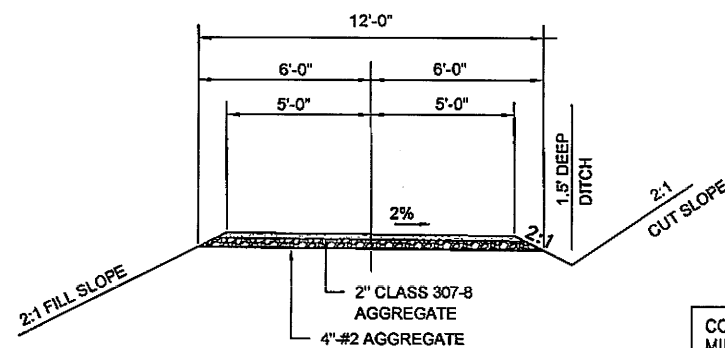
SCALE: N.T.S.



PVC INSPECTION WELL
SCALE: NTS



ICE BRIDGE DETAIL
SCALE: NTS



ACCESS ROAD TYPICAL SECTION
SCALE: NTS

GENERAL NOTES

1. CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL OF UNSUITABLE MATERIAL THAT WILL NOT COMPACT PROPERLY.
2. CONTRACTOR WILL PROVIDE ENOUGH MATERIAL TO INSURE THE ACCESS ROAD FINISHED STONE ELEVATIONS ARE HIGHER THAN THE SURROUNDING GROUND.
3. THE LOCATIONS OF ANY CULVERTS AND/OR DITCHES SHOWN HEREON AS SHOWN IN THEIR APPROXIMATE PRE-CONSTRUCTION CONFIGURATION. THE FINAL OR AS-BUILT LOCATIONS MAY BE FIELD ADJUSTED BY THE CONSTRUCTION MANAGER TO COMPENSATE FOR MINOR VARIATIONS IN THE ROADWAY LOCATION, SLOPES, DITCHES, ETC.



SITE NAME:
NORTH MOUNTAIN (MARTINSBURG)

SITE NUMBER:

SITE ADDRESS:
STATE ROUTE 598
MARTINSBURG, WV 25401

AREA: N/A

PROPERTY OWNER:
WEST VIRGINIA EMS TECHNICAL
SUPPORT NETWORK, INC.
BLDG 3 RM 210 CAPITAL COMPLEX
CHARLESTON, WV 25305

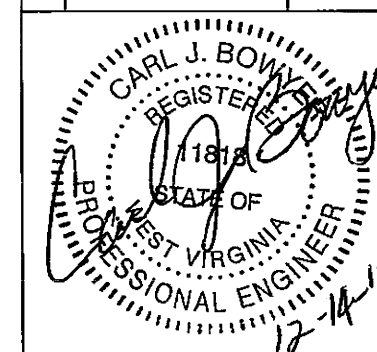
COUNTY: BERKELEY

DISTRICT: GERRARDSTOWN

MAP NUMBER: 10

PARCEL NUMBER: 84

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	08/31/1
2	ISSUE FOR CONSTRUCTION	12/14/1

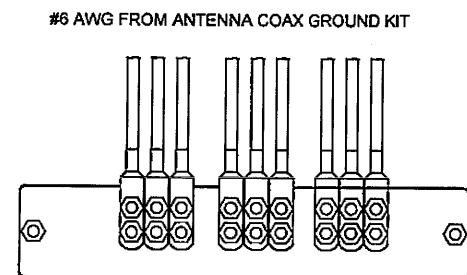


Mead & Hunt

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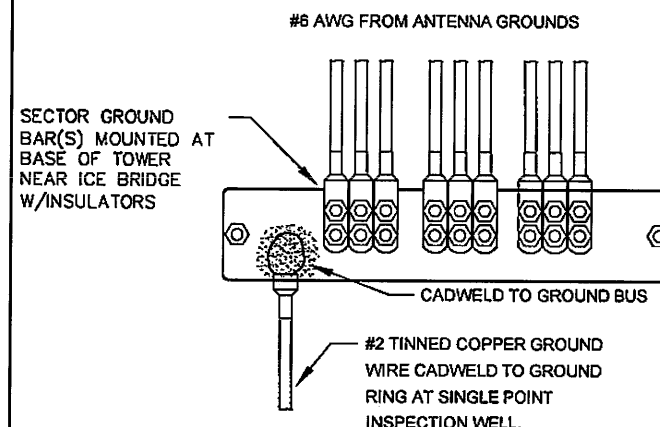
PROJECT # R4019000-114981.01

MISCELLANEOUS DETAILS	SHEET
	D-5

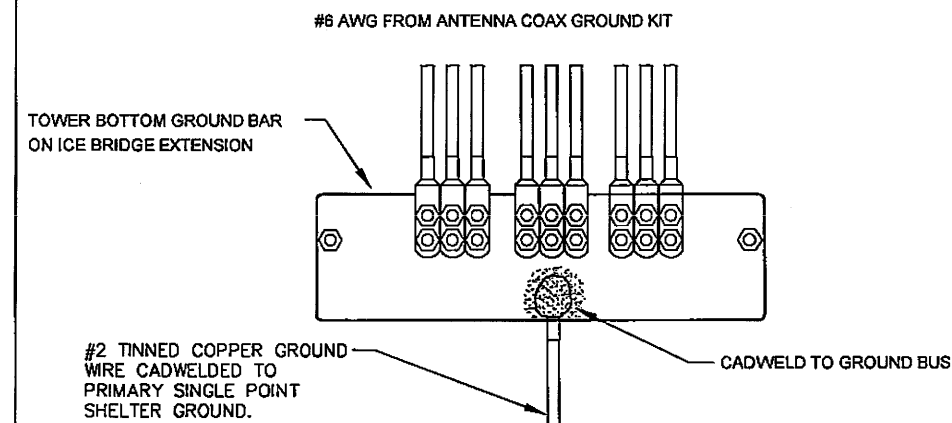


**TOWER GROUND BARS (TOP OF TOWER)
(MIDDLE OF TOWER— IF REQUIRED)**
NOT TO SCALE

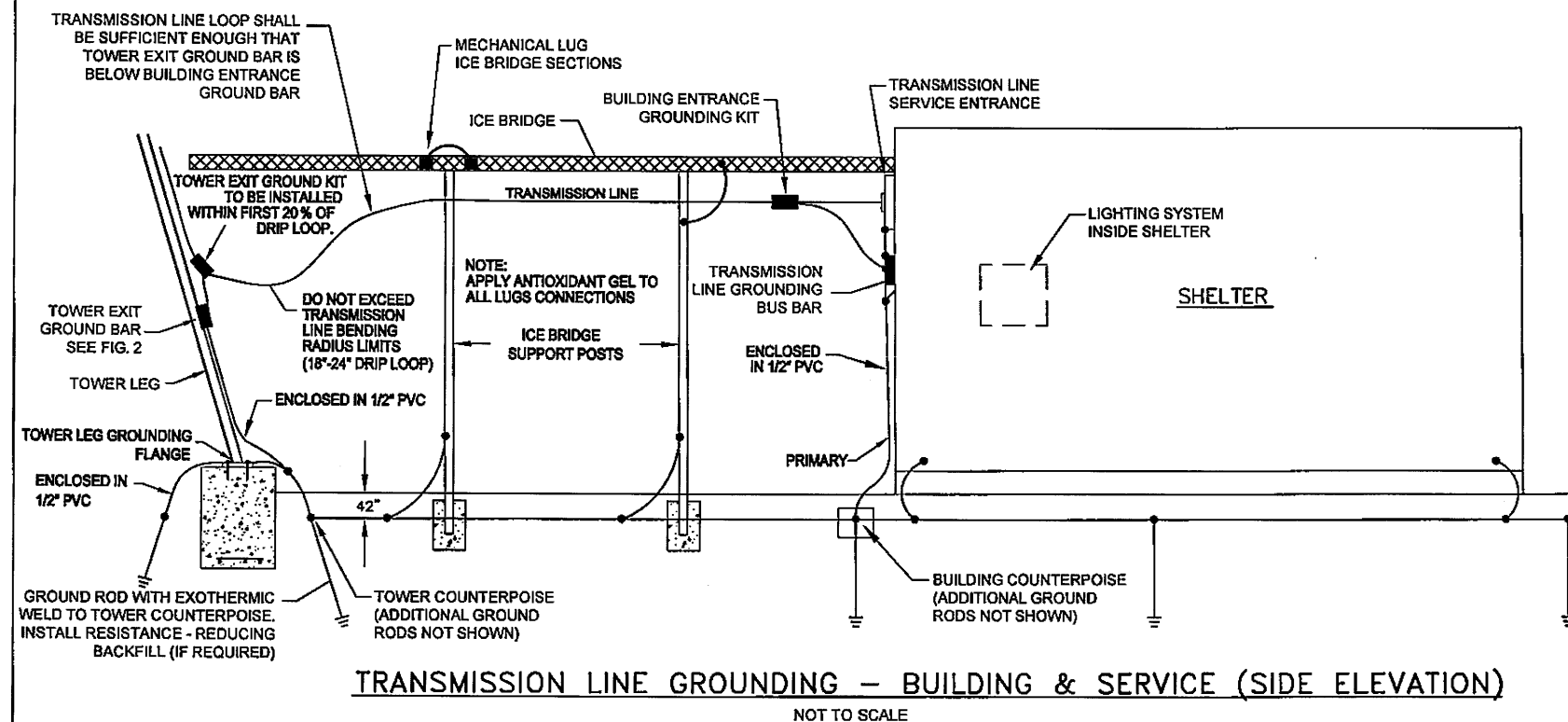
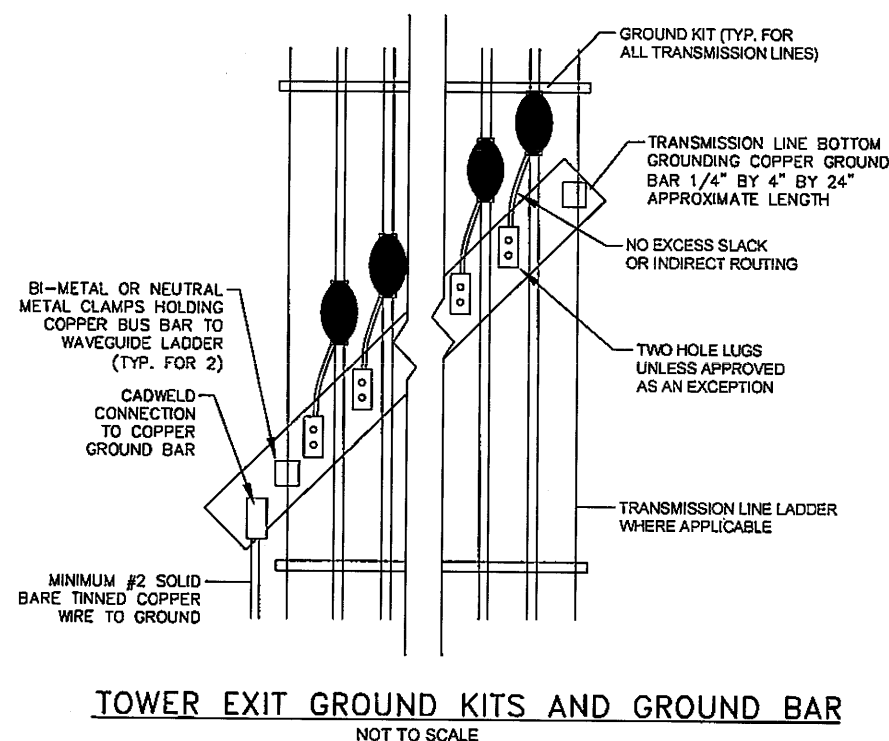
NOTE: GROUND BAR ATTACHES DIRECTLY TO WAVEGUIDE- NO INSULATORS ARE REQUIRED.



TOWER GROUND BARS (AT BASE OF TOWER)
NOT TO SCALE



GROUND BUSS MOUNTED ON SHELTER
NOT TO SCALE



NOTE: CLAMP ALL GROUND LEADS ENCLOSED IN PVC TO SHELTER.

SITE NAME:
NORTH MOUNTAIN (MARTINSBURG)

SITE NUMBER:

SITE ADDRESS:
STATE ROUTE 598
MARTINSBURG, WV 25401

AREA:
N/A

PROPERTY OWNER:
WEST VIRGINIA EMS TECHNICAL
SUPPORT NETWORK, INC.
BLDG 3 RM 210 CAPITAL COMPLEX
CHARLESTON, WV 25305

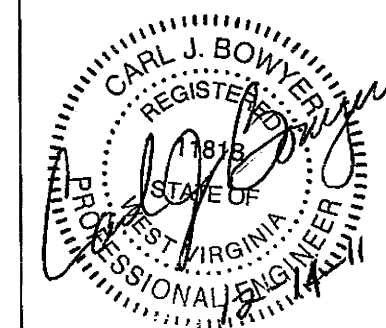
COUNTY: BERKELEY

DISTRICT: GERRARDSTOWN

MAP NUMBER: 10

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NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	08/31/11
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PROJECT # R4019000-114981.01

MISCELLANEOUS DETAILS SHEET
D-6

9.1 SCOPE OF WORK
TURNKEY INSTALLATION OF VARIOUS GUYED AND SELF SUPPORTING COMMUNICATIONS TOWERS IN VARIOUS LOCATIONS IN WEST VIRGINIA. WORK IS TO INCLUDE, BUT NOT LIMITED TO CIVIL WORK, FOUNDATIONS, GROUNDING, TOWER INSTALLATION, ANTENNA INSTALLATIONS, TRANSMISSION LINE INSTALLATIONS, BUILDING INSTALLATIONS, ELECTRICAL, AND ANY OTHER TASK THAT MAY BE NECESSARY.

9.2 SPECIFICATIONS-CIVIL WORK-SITE PREPARATION
VENDOR IS TO PROVIDE ALL EQUIPMENT, MATERIALS AND LABOR, AND IS RESPONSIBLE FOR MAINTAINING A CLEAN WORK SITE, FREE FROM TRASH AND DEBRIS. SITE CLEARING AND GRADING SHALL BE COMPLETED IN ALL CONSTRUCTION AREAS,WHICH INCLUDES TOWER LOCATION AND GUY WIRE RIGHT OF WAYS. ALL TREES, BRUSH, AND STUMPS SHALL BE LAID IN A WINDROW LIKE FASHION. NO MATERIALS MAY BE BURIED ON SITE.

EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AS THE FIRST STEP OF CONSTRUCTION. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE SEEDED, FERTILIZED AND MULCHED AS QUICKLY AS POSSIBLE.

TOWER LOCATIONS SHALL BE CLEARED AND LEVELED, WITH ALL TOPSOIL BEING REMOVED. TOWER COMPOUND SHALL BE AS SHOWN ON SITE PLAN.

UPON COMPLETION OF FOUNDATIONS AND GROUNDING SYSTEMS, A LAYER OF ENVIRONMENTAL CLOTH SHALL BE PLACED ON THE 70' BY 70' COMPOUND WITH 3" OF 3/4" CRUSHED STONE.

PRICING FOR THIS SECTION SHALL BE FURNISHED AS COST PER SQUARE FOOT, AND IDENTIFIED AS SITE PREPARATION.

9.3 SPECIFICATIONS-CIVIL WORK-ROADWAY
VENDOR IS TO PROVIDE ALL EQUIPMENT, MATERIALS AND LABOR, AND IS RESPONSIBLE FOR MAINTAINING A CLEAN WORK SITE, FREE FROM TRASH AND DEBRIS. ROADS SHALL BE GRADED, DRAINED, AND DITCHED AS NECESSARY. ROADS SHALL HAVE A MINIMUM OF SIX INCHES OF CRUSHED STONE, WITH STABILIZATION FABRIC AND LARGER STONE AS DEEMED NECESSARY.

PRICING FOR THIS SECTION SHALL BE FURNISHED AS A COST PER LINEAR FOOT OF 10' ROADWAY, AND SHALL INCLUDE 2 PRICES - ONE FOR IMPROVEMENT OF EXISTING GRADE, AND ONE FOR NEW GRADE. PRICING FOR THIS SECTION SHALL BE IDENTIFIED AS ROADWAY.

ACCESS ROADS STEEPER THAN 20% ARE NOT INTENDED FOR VEHICULAR USE.

9.4 SPECIFICATIONS-FOUNDATIONS
VENDOR IS TO PROVIDE ALL EQUIPMENT, MATERIALS AND LABOR, AND IS RESPONSIBLE FOR MAINTAINING A CLEAN WORK SITE, FREE FROM TRASH AND DEBRIS. FOUNDATION SIZES SHALL BE DETERMINED PER SITE. BUILDING FOUNDATIONS, GENERATOR PADS AND TANK PADS SHALL BE 1' THICK, WITH #4 REBAR SPACED 12" ON CENTER EACH WAY. REBAR WILL HAVE A MINIMUM OF 3" OF CONCRETE COVER.

CONCRETE FOR BUILDING FOUNDATIONS SHALL BE 4000 PSI IN 28 DAYS. TEST REPORTS SHALL BE FURNISHED.

ALL CONCRETE SHALL BE PLACED IN A CONTINUOUS POUR UNLESS OTHERWISE INDICATED.

TOP OF BUILDING FOUNDATION, GENERATOR PAD, AND PROPANE TANK PAD SHALL BE FOUR INCHES ABOVE FINISHED GRADE.

TOWER FOUNDATIONS SHALL BE INSTALLED ACCORDING TO TOWER MANUFACTURER'S SPECIFICATIONS AND TOLERANCES.

PRICING FOR THIS SECTION SHALL BE FURNISHED IN THREE PARTS: 1-PRICE PER SQUARE FOOT FOR BUILDING AND GENERATOR PADS, 2-PRICE FOR STANDARD GUYED TOWER FOUNDATIONS, AND 3-PRICE FOR STANDARD SELF SUPPORTING TOWER FOUNDATIONS. PRICING FOR THIS SECTION SHALL BE IDENTIFIED AS FOUNDATIONS. NOTE: CONCRETE SHALL BE PRICED PER CUBIC YARD IN PLACE. SELF SUPPORT TOWER FOUNDATIONS SHALL BE FOR DRILLED, PAD AND PIER, AND MONOLITHIC PADS AND PRICED PER SQUARE YARD.

9.5 SPECIFICATIONS-ELECTRIC SERVICE
VENDOR IS TO PROVIDE ALL EQUIPMENT, MATERIALS AND LABOR, AND IS RESPONSIBLE FOR MAINTAINING A CLEAN WORK SITE, FREE FROM TRASH AND DEBRIS. ELECTRIC SERVICE SHALL BE INSTALLED UNDERGROUND FROM THE CLOSEST UTILITY POLE TO AN AGREED UPON LOCATION JUST INSIDE THE COMPOUND. VENDOR SHALL INSTALL ONE 3" CONDUIT AND TWO 4" CONDUITS PER SITE.

A FOUR GANG METER BOX SHALL BE INSTALLED ON AN H STRUCTURE JUST INSIDE THE COMPOUND. METER BOX SHALL BE CAPABLE OF 200 AMP SERVICE AT EACH METER LOCATION, WITH A SEPARATE 200 AMP BREAKER FOR EACH SERVICE. ALL BREAKERS ARE TO BE PROVIDED.

ELECTRIC SERVICE SHALL BE INSTALLED FROM THE METER STRUCTURE TO THE EQUIPMENT BUILDING IN UNDERGROUND 3" CONDUIT. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL INSPECTIONS. AN ADDITIONAL 4" CONDUIT SHALL BE INSTALLED FROM THE H STRUCTURE TO THE EQUIPMENT BUILDING FOR TELCO LINES.

ELECTRICAL SERVICE CONDUIT SHALL BE INSTALLED FROM THE EQUIPMENT BUILDING TO THE GENERATOR PAD, AS WELL AS NECESSARY CONDUITS FOR TELEMETRY AND CONTROL FOR THE PROPER OPERATION OF A STANDBY GENERATOR.

ONE 30 FOOT CUSTOMER SERVICE POLE SHALL BE INSTALLED TO PROVIDE ELECTRICAL COMPANY A POINT OF ATTACHMENT UNLESS OTHERWISE SPECIFIED.

THE ELECTRICAL AND RF STANDARDS AND SPECIFICATIONS SHOWN ON THESE PLANS HAVE BEEN PROVIDED BY THE CLIENT. MEAD & HUNT, INC., HAS NOT PREPARED AN ANALYSIS OF THE STANDARDS AND SPECIFICATIONS. THEY HAVE BEEN PROVIDED FOR CONVENIENCE.

PRICING FOR THIS SECTION SHALL BE IDENTIFIED AS ELECTRICAL.

9.6 SPECIFICATIONS-TOWER INSTALLATION
VENDOR IS TO PROVIDE ALL EQUIPMENT, MATERIALS (OTHER THAN THAT SUPPLIED BY FABRICATOR) AND LABOR, AND IS RESPONSIBLE FOR MAINTAINING A CLEAN WORK SITE, FREE FROM TRASH AND DEBRIS. TOWER SHALL BE KEPT PLUMB AND STRAIGHT DURING INSTALLATION, WITH TEMPORARY GUYS IN PLACE AS NEEDED.

ANY GUY STRANDS SHALL BE PULLED AND TENSIONED SIMULTANEOUSLY AT EACH GUY LEVEL. A "CHICAGO" TYPE GRIP OR EQUIVALENT SHALL BE USED, WITH THE JAW OF THE GRIP OF SUFFICIENT LENGTH TO TAKE FULL LENGTH OF STRAND AND THE INSIDE CONTOUR SHALL BE DESIGNED TO AVOID STRAND DAMAGE. "HAVEN" TYPE GRIPS WITH SERRATED JAWS SHALL NOT BE USED.

TURNBUCKLES SHALL BE FULLY EXTENDED WITH ONE THREAD COMPLETELY EXPOSED INSIDE THE BUCKLE BODY WHEN INITIALLY INSTALLED.

AFTER GUY TENSION HAS BEEN COMPLETED, ALL TURNBUCKLES SHALL BE SECURED WITH A SEPARATE PIECE OF GUY WIRE THROUGH THE TURNBUCKLE BODY AND EYEBOLT IN A "FIGURE-8" FASHION AND THE ENDS OF THE WIRE SECURED TOGETHER WITH A CROSBY CLAMP.

LIGHTS SHALL BE INSTALLED IN THEIR PERMANENT LOCATIONS AS THE TOWER IS BEING INSTALLED.

TOWERS WILL BE INSTALLED IN A WORKMANLIKE MANNER ACCORDING TO TOWER MANUFACTURER'S SPECIFICATIONS AND TOLERANCES.

AN APPROPRIATE 10' ICE BRIDGE SHALL BE INSTALLED BETWEEN THE TOWER AND THE EQUIPMENT BUILDING.

SELF SUPPORTING TOWER SHALL BE PLUMBED AND LEVELED TO MANUFACTURER'S STANDARDS. ALL TOWER BASE FLANGES SHALL BE GROUTED TO THE FOUNDATION WITH WEEP HOLES, USING NON-SHRINK GROUT.

9.7 SPECIFICATIONS-FENCING
VENDOR IS TO PROVIDE ALL EQUIPMENT, MATERIALS AND LABOR, AND IS RESPONSIBLE FOR MAINTAINING A CLEAN WORK SITE, FREE FROM TRASH AND DEBRIS. ALL WIRE, FABRIC, FITTINGS, HARDWARE AND STEEL MEMBERS USED FOR SITE AREA OR GUY ANCHOR FENCING SHALL BE HOT DIPPED GALVANIZED OR OTHER APPROVED NON-CORROSIVE MATERIALS.

LOCATION OF CORNER POSTS FOR TOWER COMPOUND SHALL BE DETERMINED AFTER COMPLETION OF TOWER WORK.

GATE & CORNER POSTS SHALL BE 4" ID GALVANIZED PIPE. LINE POST SHALL BE 2" ID GALVANIZED PIPE.

CORNER POST FOUNDATIONS SHALL BE 3 FEET DEEP OR 6 INCHES BELOW THE FROST LINE, WHICHEVER IS GREATER.

FOUNDATIONS FOR LINE POSTS SHALL BE 12 INCHES IN DIAMETER. FOUNDATIONS FOR GATE & CORNER POSTS SHALL BE 18 INCHES IN DIAMETER.

ALL POSTS EXCEPT GATE POSTS SHALL BE CAPPED WITH COMBINATION CAP AND BARB WIRE SUPPORT ARM.

A TOP RAIL 1 3/8" ID GALVANIZED PIPE SHALL BE INSTALLED BETWEEN POSTS.

FENCE FABRIC SHALL BE EIGHT FOOT HIGH, #9 GAUGE, GALVANIZED CHAIN LINK FABRIC WITH TWISTED TOP SELVAGE AND KNUCKLES BOTTOM SELVAGE.

FABRIC SHALL BE TENSIONED PER MANUFACTURER'S RECOMMENDATIONS TO PRESENT A NEAT APPEARANCE.

FABRIC SHALL BE SECURED AT CORNER AND GATE POSTS USING STRETCHER BARS AND TENSION BANK CLIPS.

FABRIC SHALL BE SECURED TO THE TOP RAIL AND BRACE RODS USING TIE CLIPS.

THREE RUNS OF 4 POINT GALVANIZED BARBED WIRE SHALL BE INSTALLED ALONG TOP OF FENCE. BARBED WIRE SHALL BE TENSIONED PER MANUFACTURE'S RECOMMENDATIONS TO PRESENT A NEAT APPEARANCE.

INSTALL TENSION WIRE ALONG BOTTOM OF FABRIC.

LOCATION OF GATES SHALL BE DETERMINED AT THE TIME OF WHICH FENCE CORNERS ARE LOCATED. ONE (1) 16 FOOT DRIVE THROUGH GATE AND ONE (1) MAN GATE SHALL BE INSTALLED PER SITE.

ALL JOINTS BETWEEN TUBULAR GATE MEMBERS SHALL BE WELDED OR HEAVY FITTINGS PROVIDING RIGID AND WATERTIGHT CONNECTIONS.

GATE HINGES SHALL PROVIDE FOR 180 DEGREE RADIUS GATE SWING. BARBED WIRE GUARD SHALL BE INSTALLED ON TOP OF THE GATES. ADEQUATE CLEARANCE SHALL BE MAINTAINED TO ALLOW GATE OPERATION.

GATES SHALL BE INSTALLED PLUMB AND SHALL OPEN AND CLOSE FREELY.

ALL CORNER POSTS AND GATE POSTS SHALL BE CONNECTED TO THE SITE GROUNDING SYSTEM.

PRICING FOR THIS SECTION IS TO BE BASED ON ABOVE SPECIFICATIONS FOR A 70' BY 70' COMPOUND. PRICING SHALL BE IDENTIFIED AS FENCING.

9.8 SPECIFICATIONS-GROUNDING
GROUNDING ELECTRODES SHALL BE 20' LONG SUCH AS CHEM-ROD MANUFACTURED BY LIGHTNING ELIMINATORS OR EQUIVALENT, UNLESS OTHERWISE NOTED ON THE GROUNDING PLAN.

5 CHEM-RODS WILL BE INSTALLED PER SITE BY DRILLING A HOLE NOT LESS THAN 6" DIAMETER 21 FEET DEEP, OR BY PLACING A HORIZONTAL CHEM-ROD IN A TRENCH 36" DEEP AND 12" WIDE.

TRENCH OR HOLE SHALL BE BACKFILLED WITH BETONITE CLAY MIXED WITH WATER AFTER CHEM-ROD HAS BEEN PLACED.

CHEM-ROD IS TO BE FILLED WITH CHEMICALLY TREATED SALTS AS MANUFACTURED BY LIGHTNING ELIMINATORS.

TOP OF CHEM-ROD SHALL BE 1' BELOW FINISHED GRADE & COVERED WITH AN ACCESS WELL COVER TO ALLOW FOR TESTING AND MAINTENANCE. A TEST LEAD SHALL ALSO BE LOCATED IN EACH ACCESS WELL TO ALLOW FOR TESTING OF THE GROUND SYSTEM.

CHEM-RODS ARE TO BE PLACED AT SITE CORNERS AND BETWEEN TOWER AND BUILDING. RODS ARE TO BE LOCATED IN AREAS NOT SUBJECT TO VEHICULAR TRAFFIC.

ALL CONNECTORS OTHER THAN CADWELDS WILL BE CRIMPED DOUBLE HOLE LUGS. ALL UNDERGROUND CONNECTIONS SHALL BE CADWELD.

NO RIGHT ANGLE CADWELDS ARE TO BE USED. ALL WIRE TO WIRE CONNECTIONS SHOULD UTILIZE "Y" OR PARALLEL CONNECTION.

ALL WIRE USED WILL BE #2 TINNED COPPER WIRE UNLESS OTHERWISE INDICATED.

NO SHARP BENDS WILL BE PERMITTED IN ANY PORTION OF THE GROUND SYSTEM.

A "TOWER GROUND RING" OF # 2 TINNED COPPER WIRE WILL CIRCLE TOWER FOUNDATION 2 FEET OUT FROM THE FOUNDATION AND 3 FEET UNDERGROUND.

3 JUMPERS WILL BE RUN FROM THE TOWER GROUND RING AND ATTACHED TO THE TOWER LEGS. JUMPERS WILL BE ATTACHED TO TOWER ACCORDING TO MANUFACTURER'S DIRECTIONS.

2 ADDITIONAL JUMPERS WILL BE RUN FROM THE TOWER GROUND RING & ATTACHED TO LOCALLY SUPPLIED BUSS BARS. BUSS BARS ARE TO BE LOCATED ON THE WAVEGUIDE LADDER FACES OF THE TOWER. THESE BUSS BARS ARE TO BE USED AS THE GROUNDING POINT FOR TX LINE GROUND KITS. BUSS BARS ARE TO BE MOUNTED ON INSULATORS. THE JUMPER TYING BUSS BARS TO GROUND RING SHALL BE ATTACHED TO THE LOWEST PORTION OF THE BAR.

GUY WIRES SHALL BE GROUNDED ACCORDING TO TOWER MANUFACTURER'S SPECIFICATIONS.

A GROUND RING WILL CIRCLE THE BUILDING TWO FEET FROM THE FOUNDATION AND THREE FEET UNDER GROUND. THE CORNERS OF THIS RING WILL NOT BE AT RIGHT ANGLES, BUT RATHER A RADIUS OF 2 FEET OR GREATER.

TOWER GROUND RING AND BUILDING GROUND RING SHALL BE CONNECTED TOGETHER IN AT LEAST 2 LOCATIONS.

CHEM-RODS WILL BE CONNECTED TO TOWER GROUND RING OR BUILDING GROUND RING (WHICHEVER IS CLOSEST) BY MEANS OF CADWELD.

A JUMPER WILL BE RUN FROM THE GROUND RING TO A BUSS BAR LOCATED JUST UNDER THE WAVEGUIDE ENTRY PORT.

JUMPERS SHALL BE RUN FROM GROUND RING AND CADWELDED TO ICE BRIDGE POLES.

A JUMPER WILL BE PLACED DIRECTLY BELOW THE ELECTRICAL SERVICE ENTRANCE PORT. THIS WILL BE TIED TO THE BUILDING RING.

FOUR ADDITIONAL GROUND LEADS WILL BE RUN AT THE CORNERS OF THE BUILDING TO GROUND THE BUILDING TO THE GROUND RING.

GROUND LEADS WILL BE RUN FROM THE AIR CONDITIONER (S) TO THE BUILDING GROUND RING.

GROUND LEAD WILL BE RAN FROM TELCO EQUIPMENT BOARD IN BUILDING TO GROUND RING.

#2 TINNED COPPER WIRE SHALL BE RUN FROM THE FENCE CORNER POSTS, THE BUILDING, GROUND RING, OR THE TOWER GROUND RING (WHICH EVER IS CLOSER) AT A DEPTH OF THREE FEET. CABLE SHALL BE CADWELDED TO THE POSTS.

THERE SHALL BE A GROUND RING AROUND THE GENERATOR PAD 2' FROM FOUNDATION AND THREE FEET DEEP.

THERE SHALL BE 4 LEADS TO CONNECT GENERATOR AT EACH CORNER TO GROUND RING.

GENERATOR PAD GROUND RING SHALL BE CONNECTED TO BUILDING GROUND RING OR SHELTER GROUND RING (WHICHEVER IS CLOSEST) IN AT LEAST 2 LOCATIONS.

ALL GROUND LEADS ABOVE GRADE SHALL BE IN 1/2" RIGID PVC CONDUIT OR LIQUID TIGHT FLEXIBLE CONDUIT.

GROUND SYSTEM SHALL BE PHOTOGRAPHED BEFORE BACK FILLING.

ENTIRE GROUND SYSTEM SHALL BE TESTED TO INSURE THAT RESISTANCE IS 5 OHMS OR LESS.

PRICING FOR THIS SECTION SHALL BE IDENTIFIED AS GROUNDING.

9.9 ANTENNA AND SITE WORK

BIDDER IS RESPONSIBLE FOR DELIVERY OF MATERIALS FROM STAGING AREA TO THE SITES. TWO STAGING AREAS WILL BE USED - ONE NEAR CLARKSBURG, WV AND ONE NEAR CHARLESTON, WV.

9.10 INSTALLATION/REMOVAL OF TRANSMISSION LINE
INSTALLATION AND/OR REMOVAL OF TRANSMISSION LINE SHALL BE PRICED ON A PER-FOOT BASIS. PRICING SHALL BE INCLUDED FOR 1/2", 7/8", 1 1/2", AND 1 5/8" HELIAX, AND 6 GHZ WAVEGUIDE. INSTALLATION SHALL INCLUDE ATTACHMENT OF HANGER BRACKETS AT 3 FOOT INTERVALS, ATTACHMENT OF GROUNDING KITS AT 4 LOCATIONS AS APPROPRIATE, AND PROPER TERMINATION. WAVEGUIDE SHALL BE PRESSURIZED. APPROPRIATE SEALANT AND WEATHER PROOFING SHALL BE USED. *PRICES FOR THIS SECTION SHALL BE PER FOOT, AND LABELED TRANSMISSION LINE INSTALLATION , BROKEN DOWN AS NECESSARY.*

9.11 INSTALLATION/REMOVAL OF MICROWAVE DISH
TOWER INSTALLATION OF MICROWAVE DISHES, INCLUDING DISH MOUNTS AND TIE BACK ASSEMBLIES. INCLUDE PRICING FOR 4', 6', 8' AND 10' DISHES. PRICE WILL INCLUDE LINE SWEEP (WITH REPORT) AND PATH ALIGNMENT TO PROVIDE OPTIMUM PATH PERFORMANCE. *PRICING FOR THIS SECTION SHALL BE PER DISH, AND LABELED MICROWAVE DISH INSTALLATION.*

9.12 INSTALLATION/REMOVAL OF RADIO ANTENNAS
TOWER INSTALLATION OF VARIOUS RADIO ANTENNAS UP TO 20 FEET IN LENGTH AND 200 LBS, INCLUDING HARDWARE. OPTIONAL PRICING FOR THE INSTALLATION OF SIDE ARM BRACKETS SHALL BE INCLUDED IF NEEDED. *PRICING FOR THIS SECTION SHALL BE PER ANTENNA, AND LABELED RADIO ANTENNA INSTALLATION.*

9.13 DEHYDRATOR INSTALLATION
INSTALLATION OF DEHYDRATOR, MANIFOLD, AIR LINES, PRESSURE GAUGES, AND CONNECTION OF AIR LINES TO TRANSMISSION LINES. *PRICING FOR THIS SECTION SHALL BE PER DEHYDRATOR, AND LABELED DEHYDRATOR INSTALLATION.*

9.14 ICE BRIDGE INSTALLATION
INSTALLATION OF 10' HORIZONTAL ICE BRIDGE. *CONTRACTOR IS TO PROVIDE MATERIALS. PRICING FOR THIS SECTION IS TO BE PER ICE BRIDGE, AND LABELED ICE BRIDGE.*

9.15 BUSS BAR INSTALLATION
INSTALLATION OF 18" COPPER BUSS BARS, INCLUDING THERMAL BONDING TO GROUND SYSTEM. *PRICING FOR THIS SECTION SHALL BE PER BUSS BAR, AND LABELED BUSS BAR INSTALLATION.*

9.16 ENTRANCE PORT INSTALLATION
INSTALLATION OF 12 HOLE ENTRANCE PORT INTO CONCRETE BUILDING. *PRICING FOR THIS SECTION SHALL BE PER PORT, AND LABELED ENTRANCE PORT INSTALLATION.*

9.17 MISCELLANEOUS LABOR AND EQUIPMENT
THE FOLLOWING RATE SCHEDULES ARE INTENDED TO PROVIDE A COMPENSATION SCHEDULE FOR SPECIFIC WORK ITEMS NOT INCLUDED IN THE ORIGINAL UNIT RATE SCOPES OF WORK. IF WORK IS REQUIRED OUTSIDE THE SPECIFIC UNIT RATE WORK ITEM, THESE HOURLY RATES WILL BE APPLIED TO THE ADDITIONAL WORK AS NECESSARY.

THE CONTRACTOR AGREES TO PROVIDE ALL LABOR, TOOLS, MATERIALS, AND ALL REASONABLE AND NECESSARY EQUIPMENT REQUIRED FOR THE PERFORMANCE OF EACH SERVICE AS REQUESTED BY THE WV SPECS, OR OTHER AFFILIATED PARTY.

INCONSIDERATION FOR THE PERFORMANCE OF EACH SERVICE, CONTRACTOR WILL BE REIMBURSED FOR DIRECT LABOR AND EQUIPMENT FOR EACH ACTUAL SERVICE PERFORMED AS REQUESTED.


DIRECT LABOR
THE CONTRACTOR SHALL BE REIMBURSED FOR COSTS INCURRED FOR LABOR IN THE DIRECT EMPLOY OF THE CONTRACTOR AT THE STATED RATES IN SCHEDULE "A" SUBMITTED BY CONTRACTOR AND AGREED UPON BY WVECS OR AFFILIATED PARTY FOR TIME EXPENDED ON THE JOB SITE AND DIRECTLY RELATED TO THE PERFORMANCE OF EACH PROJECT. CONTRACTOR SHALL WORK A MINIMUM OF EIGHT (8) HOURS IN A TWENTY-FOUR (24) HOUR PERIOD IN PERFORMANCE OF THE SERVICES BEFORE OVERTIME CHARGES CAN ACCRUE. THESE RATES ARE THE FULL COMPENSATION DUE FOR THE DIRECT AND INDIRECT SALARY EXPENSES INCURRED BY THE CONTRACTOR AND ARE NOT SUBJECT TO CHANGE DURING THE TERM OF THE AGREEMENT. THESE RATES SHOULD NOT INCLUDE ANY PERDIEM OR TRAVEL COSTS. THESE SERVICES ARE INTENDED TO BE PERFORMED WITH UNIT RATE SCOPES OF WORK.

EQUIPMENT AND MACHINERY
THE CONTRACTOR SHALL BE REIMBURSED FOR ALL NECESSARY EQUIPMENT AND MACHINERY COSTS INCURRED IN THE DIRECT PERFORMANCE OF EACH SERVICE WHILE ON THE JOB SITE AT THE RENTAL RATES SUBMITTED ON SCHEDULE "B" ATTACHED HERETO AND MADE A PART HEREOF. THE RATES SHALL ALSO INCLUDE THE TRANSPORTATION, MOBILIZATION, AND DEMOBILIZATION COSTS TO OPERATE THE EQUIPMENT AND MACHINERY.

ALL EQUIPMENT AND MACHINERY RENTAL CHARGES SHALL BE CONSISTENT WITH THOSE PREVAILING IN THE AREA.

CONTRACTOR SHALL COMPLETE THE LIST DESCRIBING THE EQUIPMENT WHETHER RENTED FROM CONTRACTOR OR OTHERS, AND SHALL PROVIDE THE ASSOCIATED HOURLY AND DAILY RATES FOR WHICH THE FOLLOWING CONDITIONS SHALL APPLY:

1 EQUIPMENT ENTERING OR EXITING PREMISES SHALL BE RECORDED BY THE APPROPRIATE WV SPECS OR OTHER PERSONNEL (TO BE DETERMINED ON A SITE BY SITE BASIS).
2 CONTRACTOR SHALL MAINTAIN DAILY RECORDS OF ACTUAL USAGE TIME ON ALL EQUIPMENT AND MACHINERY AND SHALL SUBMIT RECORDS FOR REIMBURSEMENT.
3. NO SEPARATE DELIVERY OR SET UP CHARGES SHALL BE PAID UNDER THESE TERMS.



STATE OF WEST VIRGINIA
OFFICE OF EMERGENCY MEDICAL SERVICES

SITE NAME:
NORTH MOUNTAIN (MARTINSBURG)

SITE NUMBER:

SITE ADDRESS:
STATE ROUTE 598
MARTINSBURG, WV 25401

AREA:
N/A

PROPERTY OWNER:
WEST VIRGINIA EMS TECHNICAL
SUPPORT NETWORK, INC.
BLDG 3 RM 210 CAPITAL COMPLEX
CHARLESTON, WV 25305

COUNTY:
BERKELEY

DISTRICT:
GERRARDSTOWN

MAP NUMBER:
10

PARCEL NUMBER:
84

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	08/31/11
2	ISSUE FOR CONSTRUCTION	12/14/11

CARL J. BOWYER
REGISTERED
111818
STATE OF
WEST VIRGINIA
PROFESSIONAL ENGINEER

12-14-11

Mead & Hunt

400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4019000-114981.01

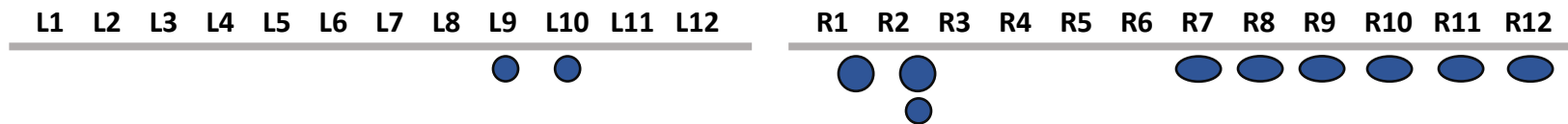
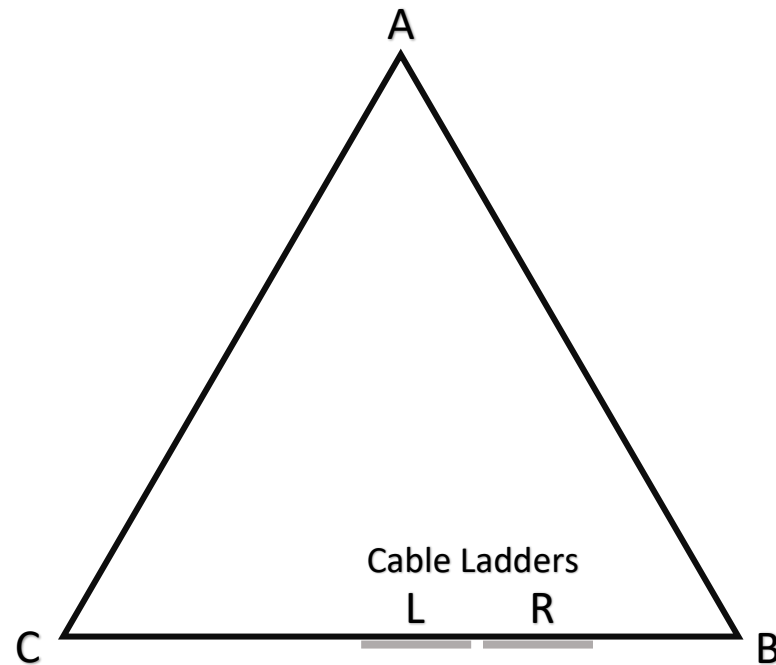
GENERAL NOTES

SHEET
D-7

Exhibit I

Tower Mapping Results for North Mountain Tower Site

Cable Ladder Layout





Pillar
INNOVATIONS

Mapping Completed by:

- Ken Sapp
- Timothy Hammond
- Owen Adams
- Cameron Lawrence

104 Corporate Drive – Morgantown, WV 26501

Phone: 304.983.8900 Fax: 304.983.8905

www.pillarinnovations.com tsmorgmgmt@pillarinnovaitons.com

Mounting Level (FT)	Center line Elevation (FT)	Number of Antennas	Antenna/ Device Manufacturer	Antenna/ Device Model	Leg	Number of Feed Lines	Feed Line Size/ Type	Cable Placement on Cable Ladder
297'		0		Sector Frame (See Note 1)	A			
297'		1		Sector Frame (See Note 2)	B			
301'	311'	^^^	Bird Electronics	20' Omni 450-512 mhz	B Sector Frame Position 3	1	1-1/4" Coaxial	R2
297'		2		Sector Frame (See Note 3)	C			
301'	303.5'	^^^	Telewave	5' Omni	C Sector Frame Position 2	1	7/8" Coaxial	L9
301'	311'	^^^	Bird Electronics	20' Omni 450-512 mhz	C Sector Frame Position 3	1	7/8" Coaxial	R1
263'	273'	1	Bird Electronics	20' Omni 450-512 mhz	C 6' Stand-off Mount	1	7/8" Coaxial	R2-Stacked
245'	247.5'	1	Bird Electronics	5' Omni	B 5' Stand-off Mount	1	7/8"	L10

Mounting Level (FT)	Center line Elevation (FT)	Number of Antennas	Antenna/ Device Manufacturer	Antenna/ Device Model	Leg	Number of Feed Lines	Feed Line Size/ Type	Cable Placement on Cable Ladder
172'				Ice-Shield 6 'x 8'	B			
162'	160'	1	Andrews	8' Dish UHX8-59-P3A	B	1	EW63	R9
122'	122'	1	Andrews	8' Dish PARX8-59W-PXA	B	1	EW63	R10
110'	110'	1	Andrews	8' Dish UHX8-59W-P3A	B	2	EW63	R11, R12
79'				Ice-Shield 6 'x 8'	C			
75'	75'	1	Andrews	8' Dish UHX8-59W-P3A	C	2	EW63	R7, R8

Site Notes

1. Sector Frame A Leg Notes: 12' face; 3' T-Gate stand-off with V-stiffeners; 4 antenna mast pipes 2-3/8" x 6'; single 12' stiff-arm going to B leg; no antennas
2. Sector Frame B Leg Notes: 12' face; 3' T-Gate stand-off with V-stiffeners; 4 antenna mast pipes 2-3/8" x 6'; single 12' stiff-arm going to C leg; antenna on position 3
3. Sector Frame C Leg Notes: 12' face; 3' T-Gate stand-off with V-stiffeners; 4 antenna mast pipes 2-3/8" x 6'; single 12' stiff-arm going to A leg; antennas on positions 2 and 3

Exhibit J

Email Correspondence from Pillar Providing a Status Update on Construction and Structural Analysis

Hiner, Virginia

From: Arthur Austin <aaustin@wvpublic.org>
Sent: Monday, August 1, 2022 11:57 AM
To: Hiner, Virginia
Cc: Tyler Garner
Subject: FW: WVEBA - CPs Set to Expire in July and August

****EXTERNAL Email****

From: Todd Hetrick <toddhetrick@pillarinnovations.com>
Sent: Friday, June 24, 2022 8:34 AM
To: Tyler Garner <tgarner@wvpublic.org>
Cc: Arthur Austin <aaustin@wvpublic.org>; Scott Crawford <scottcrawford@pillarinnovations.com>
Subject: RE: WVEBA - CPs Set to Expire in July and August

Tyler,

Good morning. Please see our responses below in RED as we have been working with Art on these for some time now.

Thank You

Todd Hetrick

Department Manager – Wireless Services

24 HR Service Line 855-257-1116

Pillar Innovations, LLC

104 Corporate Drive - Morgantown, WV 26501

P - 304.983.8900 x2425 | **F** - 304.983.8905 | **C** - 301.616.6344

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From: Dale Malcomb <dmalcomb@wvpublic.org>
Sent: Thursday, June 23, 2022 11:22 AM
To: Todd Hetrick <toddhetrick@pillarinnovations.com>
Cc: Tyler Garner <tgarner@wvpublic.org>
Subject: Fw: WVEBA - CPs Set to Expire in July and August

Todd:

Please see the emails below. I'm sure Tyler will be addressing this with you, but I wanted to give you a heads up. There's no need to respond to me, you can just discuss this with Tyler.

Thanks. We appreciate everything you do for us. I know it's not always easy.

Have a great day.

Dale Malcomb

Purchasing Coordinator

Director of Information Technology

Fleet Coordinator

Phone: (304) 254-7858

Cell: (304) 222-9252

dmalcomb@wvpublic.org

From: Ryan Wilhour <ryan@kesslerandgehman.com>

Sent: Wednesday, June 22, 2022 4:47 PM

To: Hiner, Virginia <vhiner@akingump.com>; Butch Antolini <bantolini@wvpublic.org>; Eddie Isom <eisom@wvpublic.org>; Tyler Garner <tgarner@wvpublic.org>; Dale Malcomb <dmalcomb@wvpublic.org>; Arthur Austin <aaustin@wvpublic.org>

Cc: Berry, Matthew <MBerry@akingump.com>

Subject: Re: WVEBA - CPs Set to Expire in July and August

I would also like to add that if we are to conduct field strength studies for these facilities for reimbursement we will need some time to be in the field to collect data.

Ryan C. Wilhour - Consulting Engineer
Kessler and Gehman Associates, Inc.
Consultants - Broadcast - Wireless
507 NW 60th St. Suite D
Gainesville, FL 32607
Phone: 352-332-3157 Ext. 3
Mobile: 352-262-6119
www.kesslerandgehman.com

On 6/22/2022 4:31 PM, Hiner, Virginia wrote:

WVEBA team,

I hope you are all doing well. I am writing to let you know that WVEBA has two construction permits set to expire on July 18, and three set to expire on August 15, as detailed below:

W23DR-D (Romney) – Expires July 18 – Transmitters ordered 6/14 with 60-90 day lead time. SA In process. Antenna on order from PSI- 6/14 – approx. 60 day lead time.

W30CO-D (Wheeling) – Expires July 18- Transmitters ordered 6/14 with 60-90 day lead time. SA In process. Antenna on order from PSI- 6/14 – approx. 60 day lead time.

W41DK-D (Keyser) – Expires August 15 – SA still in works. This site – AT&T took forever to get info to Art on changes they have made there. Also FDH who is running the SA is taking longer than expected. Latest update on SA we had to go re-map the L&A and also get additional structural mapping details that was missing from the info we had received for them to review. (Expect min of 6 weeks on SA).

W08EE-D (Martinsburg) – Expires August 15 – Transmitter is in at our warehouse. SA is process. (Expect min of 6 weeks on SA).

W51EG-D (Parkersburg) – Expires August 15 – Transmitter is in at our warehouse. SA Passed. We have requested the release of the antenna from PSI. We're expecting to see it by early July.

Could you please let us know as soon as possible whether you expect construction to be completed on each of these stations by the relevant deadline? If not, could you please provide an update on what progress has been made toward construction completion **for each individual station** since we last sought extensions in January and February of this year?

Please note that, as per the attached letter we received from the FCC on March 25, the final deadline for submitting expense documentation to obtain reimbursement for these stations is **September 6, 2022**. The FCC has stated that it does not anticipate allowing extensions of this deadline, so failure to complete remaining construction by the deadlines could preclude the stations from receiving full reimbursement.

Please let us know if you have any questions or would like to schedule a time to discuss.

Best,

Virginia D. Hiner

AKIN GUMP STRAUSS HAUER & FELD LLP

2001 K Street N.W. | Washington, DC 20006 | USA | Direct: [+1 202.887.4424](tel:+1202.887.4424) | Internal: [24424](tel:24424)
Fax: +1 202.887.4288 | Mobile: [+1 804.840.2717](tel:+1804.840.2717) | vhiner@akingump.com | akingump.com | [Bio](#)

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Exhibit K

Correspondence Regarding the Status of Antenna Delivery

Hiner, Virginia

From: Doug Ross <doug@psibroadcast.com>
Sent: Friday, July 15, 2022 2:40 PM
To: Todd Hetrick
Subject: RE: Art email
Attachments: PSILP12OIM-21-EP Antenna Layout 2419 Romney.pdf

Todd,
Status of each site below.

I need some tower details for brackets and distance to TX building for TX line on Martinsburg, Keyser and Wheeling For Romney I have an estimated line of 250 ft. I don't feel this much line will be required given location of TX building to tower. I feel 225 ft. would be sufficient, can you confirm and I will order this line.

Job 2380
Channel 34 Parkersburg, WV (Montgomery Hill Sie)
Antenna: crated ready for shipment
TX-line: in house ready to ship
Custom mounts: will be picking up custom mounts on Tuesday 19th from galvanizer

Job 2381
Channel: 27 Martinsburg, WV
Antenna: crated ready to ship.
TX-line: need confirmation of length for this site. Delivery 7-10 days from confirmation
Custom mounts: Need tower info. To fabricate

Job 2382
Channel 16 Keyser, WV
Antenna: crated ready to ship
TX-line: need confirmation of length for this site. Delivery 7-10 days from confirmation
Custom mounts: Need tower info. To fabricate

Job 2419
Channel 21 Romney, WV
Antenna: in final test will be done July 20
TX-line: need confirmation of length for this site. Delivery 7-10 days from confirmation
Custom mounts: Bracket drawings attached to email with updated mechanical specification

Job 2420
Channel 17 Wheeling, WV
Antenna: completed and in packing
TX-line: need confirmation of length for this site. Delivery 7-10 days from confirmation
Custom mounts: Need tower info. To fabricate

Call me after reviewing and we can talk about install schedules.
Doug

From: Todd Hetrick <toddhetrick@pillarinnovations.com>
Sent: Thursday, July 14, 2022 2:12 PM
To: Doug Ross <doug@psibroadcast.com>
Subject: RE: Art email

Are you talking about the antenna for romney and wheeling?

Any updates on the antennas for Montgomery Hill, Martinsburg and Keyser?

Thank You

Todd Hetrick

Department Manager – Wireless Services

24 HR Service Line 855-257-1116

Pillar Innovations, LLC

104 Corporate Drive - Morgantown, WV 26501

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From: Doug Ross <doug@psibroadcast.com>
Sent: Thursday, July 14, 2022 2:10 PM
To: Todd Hetrick <toddhetrick@pillarinnovations.com>
Subject: Art email

Todd,

I hope Art understands we are building both antennas currently. They should be done in about 10 working days.

I will have a new Romney layout done tomorrow. We have tried to make the mounts fully adjustable to compensate for various tower leg sizes and tower face tapers.

Douglas A. Ross



Propagation Systems, Inc.

Phone: 814-472-5540

Fax: 814-472-5676

doug@psibroadcast.com

www.psibroadcast.com