



McGOEY, HAUSER and EDSALL
CONSULTING ENGINEERS D.P.C.

MARK J. EDSALL, P.E., P.P. (NY, NJ & PA)
MICHAEL W. WEEKS, P.E. (NY, NJ & PA)
MICHAEL J. LAMOREAUX, P.E. (NY, NJ, PA, VT, VA & CT)
MATTHEW J. SICKLER, P.E. (NY & PA)
PATRICK J. HINES
LYLE R. SHUTE, P.E. (NY, NJ, PA)

Main Office
33 Airport Center Drive
Suite 202
New Windsor, New York 12553

(845) 567-3100
fax: (845) 567-3232
e-mail: mheny@mhepc.com

Principal Emeritus:
RICHARD D. McGOEY, P.E. (NY & PA)
WILLIAM J. HAUSER, P.E. (NY, NJ & PA)

**TOWN OF NEWBURGH
PLANNING BOARD
TECHNICAL REVIEW COMMENTS**

PROJECT: MOBILITE, LLC
PROJECT NO.: 2017-23
PROJECT LOCATION: SECTION 96, BLOCK 1, LOT 11.1
REVIEW DATE: 31 AUGUST 2017
MEETING DATE: 7 SEPTEMBER 2017
PROJECT REPRESENTATIVE: MOBILITE, LLC

1. The Applicants representative are requesting approval to place small cell wireless equipment on an existing Central Hudson Gas & Electric wooden pole within the Town of Newburgh's property along Orr Avenue. The Town of Newburgh property is a roadway parcel. Town Board approval for installation of equipment within the Town's property should be received.
2. Submission Sheet SP-1 contains a note which states" this site plan was generated without the use of a survey. Property lines, right of ways, power and tele co. utility, point connections/routes and easements shown on these plans are estimated. All items and dimensions should be verified in the field." Submission should contain a survey prepared by a New York State licensed surveyor to determine that all poles, equipment etc. are located as depicted on the sketch plan. Property lines, right of way lines should be identified. Adjoining land owners should be identified by Section, Block and Lot and Record Owner.
3. The Applicants representative should review the Town's wireless ordinance and request any waivers from the ordinance required. It is noted that the wireless ordinance contains requirements for fall zone distances, separations from property lines, RF analysis, etc. An analysis of the waivers requested should be submitted to the Planning Board.
4. The Short EAF (Environmental Assessment Form) should be revised as follows: #4- identifies that the project occurs in a right of way, however land uses that occur adjoining and near the proposed action should be checked as appropriate. #5 – is proposed action permitted under zoning regulated- it is checked NA , however should be checked Yes in both sections. Short

EAF was not filled out utilizing the NYSDEC web based forms which will populate certain areas of the form if DEC has data regarding any of the answers. A submission of a revised EAF should be provided.

Respectfully submitted,

***McGoey, Hauser and Edsall
Consulting Engineers, D.P.C.***

Patrick J. Hines
Principal

PJH/kbw

**TOWN OF NEWBURGH
APPLICATION FOR
SUBDIVISION/SITE PLAN REVIEW**

RETURN TO: Town of Newburgh Planning Board
308 Gardnertown Road
Newburgh, New York 12550

DATE RECEIVED: _____ **TOWN FILE NO:** PB-2017-23
(Application fee returnable with this application)

1. Title of Subdivision/Site Plan (Project name):

Orr Avenue Small Cell Site

2. Owner of Lands to be reviewed:

Name Town of Newburgh
Address 308 GARDNERTOWN ROAD
NEWBURGH, NEW YORK 12550
Phone (845) 564-7804

3. Applicant Information (If different than owner):

Name Mobilitie, LLC
Address 594 BROADWAY, SUITE 301
NEW YORK, NEW YORK 10012
Representative Paul Costa
Phone 917-656-9083
Fax _____
Email pcosta@mobilitie.com

4. Subdivision/Site Plan prepared by:

Name Mobilitie, LLC
Address 594 BROADWAY, SUITE 301
NEW YORK, NEW YORK, 10012
Phone/Fax 917-656-9083

5. Location of lands to be reviewed:

6 Orr Ave, Newburgh, NY 12550 exact location 41 499700, -74.071735

6. Zone IB **Fire District** Winona Lake
Acreage N/A **School District** Newburgh City

7. Tax Map: Section 96 **Block** 1 **Lot** 11.1

Nearest SBL

8. Project Description and Purpose of Review:

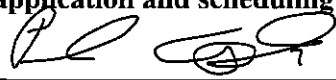
Number of existing lots 0 Number of proposed lots 0
Lot line change N/A
Site plan review YES
Clearing and grading _____
Other _____

PROVIDE A WRITTEN SINGLE PAGE DESCRIPTION OR NARRATIVE OF THE PROJECT

9. Easements or other restrictions on property:

(Describe generally) None

10. The undersigned hereby requests approval by the Planning Board of the above identified application and scheduling for an appearance on an agenda:

Signature  Title Permitting Manager

Date: 8/18/2017

NOTE: If property abuts and has its access to a County or State Highway or road, the following information must be placed on the subdivision map or site plan: entrance location, entrance profile, sizing of pipe (minimum length of pipe to be 24 feet).

The applicant will also be required to submit an additional set of plans, narrative letter and EAF if referral to the Orange County Planning Department is required under General Municipal Law Section 239.

TOWN OF NEWBURGH PLANNING BOARD

Mobilite Orr Avenue Small Cell Project

PROJECT NAME

CHECKLIST FOR MAJOR/MINOR SUBDIVISION AND/OR SITE PLAN

I. The following items shall be submitted with a COMPLETED Planning Board Application Form.

1. Environmental Assessment Form As Required
2. Proxy Statement
3. Application Fees
4. Completed Checklist (Automatic rejection of application without checklist)

II. The following checklist items shall be incorporated on the Subdivision Plat or Site Plan prior to consideration of being placed on the Planning Board Agenda. Non-submittal of the checklist will result in application rejection.

1. Name and address of applicant
2. Name and address of owner (if different from applicant)
3. Subdivision or Site Plan and Location
4. ^{N/A} Tax Map Data (Section-Block-Lot)
5. Location map at a scale of 1" = 2,000 ft. or less on a tax map or USCGS map base only with property outlined
6. ^{N/A} Zoning table showing what is required in the particular zone and what applicant is proposing. A table is to be provided for each proposed lot
7. ^{N/A} Show zoning boundary if any portion of proposed site is within or adjacent to a different zone
8. Date of plan preparation and/or plan revisions
9. Scale the plan is drawn to (Max 1" = 100')
10. North Arrow pointing generally up

11. N/A Surveyor,s Certification
12. N/A Surveyor's seal and signature
13. N/A Name of adjoining owners
14. N/A Wetlands and 100 ft. buffer zone with an appropriate note regarding D.E.C. or A.C.O.E. requirements
15. N/A Flood plain boundaries
16. N/A Certified sewerage system design and placement by a Licensed Professional Engineer must be shown on plans in accordance with Local Law #1 1989
17. N/A Metes and bounds of all lots
18. X Name and width of adjacent streets; the road boundary is to be a minimum of 25 ft. from the physical center line of the street
19. N/A Show existing or proposed easements (note restrictions)
20. X Right-of-way width and Rights of Access and Utility Placement
21. X Road profile and typical section (minimum traveled surface, excluding shoulders, is to be 18 ft. wide)
22. N/A Lot area (in sq. ft. for each lot less than 2 acres)
23. N/A Number of lots including residual lot
24. N/A Show any existing waterways
25. N/A A note stating a road maintenance agreement is to be filed in the County Clerk's Office where applicable
26. N/A Applicable note pertaining to owners review and concurrence with plat together with owner's signature
27. N/A Show any improvements, i.e. drainage systems, water lines, sewer lines, etc.
28. N/A Show all existing houses, accessory structures, wells and septic systems on and within 200 ft. of the parcel to be subdivided
29. N/A Show topographical data with 2 or 5 ft. contours on initial submission

30. ^{N/A} _____ Indicate any reference to a previous subdivision, i.e. filed map number, date and previous lot number
31. ^{N/A} _____ If a private road, Town Board approval of name is required, and notes on the plan that no town services will be provided and a street sign (per town specs) is to be furnished and installed
32. ^{N/A} _____ Number of acres to be cleared or timber harvested
33. ^{N/A} _____ Estimated or known cubic yards of material to be excavated and removed from the site
34. ^{N/A} _____ Estimated or known cubic yards of fill required
35. ^{N/A} _____ The amount of grading expected or known to be required to bring the site to readiness
36. ^{N/A} _____ Type and amount of site preparation which falls within the 100 ft. buffer strip of wetlands or within the Critical Environmental Area. Please explain in sq. ft. or cubic yards.
- _____
- _____
37. ^{N/A} _____ Any amount of site preparation within a 100 year floodplain or any water course on the site. Please explain in sq. ft. or cubic yards.
- _____
- _____
38. _____ List of property owners within 500 feet of all parcels to be developed (see attached statement).

The plan for the proposed subdivision or site has been prepared in accordance with this checklist.

By: See attached drawings
Licensed Professional
 8-18-2017
 Date: _____

This list is designed to be a guide ONLY. The Town of Newburgh Planning Board may require additional notes or revisions prior to granting approval.

Prepared (insert date):

STATEMENT TO APPLICANTS

RE: TOWN OF NEWBURGH CLEARING AND GRADING LAW

The Town of Newburgh Clearing and Grading Control Law requires a separate permit for most site preparation activities, including clearing, grading, tree cutting, excavating and filling. Site preparation activities performed following site plan or subdivision approval by the Planning Board may be exempt from the permit application, public hearing, fee and bonding requirements of the law provided the subdivision or site plan application has been reviewed for conformance with the clearing and grading law and the approval conditioned on compliance with the standards set forth in the law. Completion of the attached form will enable the Planning Board to review your application for conformance with the law's requirements. In the event it is not completed you may be required to apply for a separated permit for your site preparation activities. A sediment and erosion control plan and a plan showing the areas to be cleared, filled, graded or subjected to tree cutting, the types of vegetation affected and the proposed disposition of the destroyed vegetation must accompany the form. A SEQRA long form or full EAF should be utilized to discuss any environmental impacts and must accompany the application.

TOWN OF NEWBURGH
APPLICATION FOR CLEARING AND GRADING

Name of applicant: Mobilitie, LLC

Name of owner on premises: Town of Newburgh

Address of owner: 308 Gardnertown Rd, Newburgh, NY 12550

Telephone number of owner: 845-564-7804

Telephone number of applicant: 917-656-9083

State whether applicant is owner, lessee, agent, architect, engineer or contractor:

Agent

Location of land on which proposed work will be done: 6 Orr Ave, Newburgh, NY

Attached onto existing Central Hudson utility pole

Section: _____ Block: IB Lot: _____ Sub. Div.: _____

Zoning District of Property: _____ Size of Lot: N/A

Area of lot to be cleared or graded: N/A

Proposed completion of date: 12/31/2017

Name of contractor/agent, if different than owner: Mobilitie, LLC

Address:

594 Broadway Suite 301, New York, NY 10012

Telephone

number: 917-656-9083

Date of Planning Board

Approval: _____ (if required) I hereby agree to hold the

Town of Newburgh harmless from any claims arising from the proposed activity. Signature

of owner: _____ Date: _____ Signature of

applicant (if different than owner): _____

TOWN ACTION:

Examined: _____ 20 _____

Approved: _____ 20 _____

Disapproved: _____ 20 _____

FEE LAW SUMMARY

PENDING APPLICATIONS

All applicants with matters pending before the Planning Board as of the effective date of this local law shall be required to post as escrow in the manner and upon the terms and conditions set forth below:

- (a) The Planning Board, in consultation with the applicant, shall compute the amount of the escrow to be posted with the Town. Such amount shall be reasonably related to the costs attendant to the Town's review of the application as of the effective date of this local law. Under no circumstances shall the escrow include amounts attributable to any costs incurred by the Town prior to the effective date of this local law.
- (b) Once computed and established by Resolution of the Planning Board, the applicant shall, within fifteen (15) days of said resolution, post escrow fees with the Secretary of the Planning Board. Failure to deliver the said escrow fees may result in delay of the further processing of the application.

SEVERABILITY

In the event a court of law determined that any provision of this chapter is unenforceable, then only that provision shall be affected and all other provisions shall be fully enforceable.

EFFECTIVE DATE:

This local law shall take effect immediately upon filing in the Office of the Secretary of State.

FEE ACKNOWLEDGEMENT

The town of Newburgh Municipal Code sets forth the schedule of fees for applications to the Planning Board. The signing of this application indicates your acknowledgement of responsibility for payment of these fees to the Planning Board for review of this application, including, but not limited to escrow fees for professional services (planner/consultant, engineering, legal), public hearing and site inspection. Applicant's submissions and resubmissions are not complete and will not be considered by the planning board or placed upon its agenda unless all outstanding fees have been paid. Fees incurred after the stamping of plans will remain the responsibility of the applicant prior to approval of a building permit or certificate of occupancy. Fee schedules are available from the Planning Board Secretary and are on the Town's website.

Paul Costa / Mobilitie, LLC

APPLICANT'S NAME (printed)



APPLICANTS SIGNATURE

8-18-2017

DATE

Note: if the property abuts and has access to a County or State Highway or road, the following information must be place on the subdivision map: entrance location, entrance profile, sizing of drainage pipe (minimum length of pipe to be twenty-four (24) feet).

PROXY

(OWNER) _____, DEPOSES AND SAYS THAT HE/SHE
RESIDES AT _____
IN THE COUNTY OF _____
AND STATE OF _____
AND THAT HE/SHE IS THE OWNER IN FEE OF _____

WHICH IS THE PREMISES DESCRIBED IN THE FOREGOING
APPLICATION AS DESCRIBED THEREIN TO THE TOWN OF NEWBURGH
PLANNING BOARD AND _____ IS AUTHORIZED
TO REPRESENT THEM AT MEETINGS OF SAID BOARD.

DATED: _____

OWNERS SIGNATURE

OWNERS NAME (printed)

WITNESS' SIGNATURE

**NAMES OF ADDITIONAL
REPRESENTATIVES**

WITNESS' NAME (printed)

PLANNING BOARD DISCLAIMER STATEMENT
TO APPLICANTS

The applicant is advised that the Town of Newburgh Municipal Code, which contains the Town's Zoning Law, is subject to amendment. Submission of an application to this Board does not grant the applicant any right to continued review under the Code's current standards and requirements. It is possible that the applicant will be required to meet changed standards or new Code requirements made while the application is pending.

An approval by this Board does not constitute permission, nor grant any right to connect to or use municipal services such as sewer, water or roads. It is the applicant's responsibility to apply for and obtain the Town of Newburgh and other agency approvals not within this Board's authority to grant.

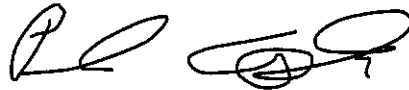
The applicant hereby acknowledges, consents, and agrees to the above.

8-18-2017

DATED

Paul Costa

APPLICANT'S NAME (printed)



APPLICANT'S SIGNATURE

**DISCLOSURE ADDENDUM STATEMENT TO APPLICATION,
PETITION AND REQUEST**

Mindful of the provisions of Section 809 of the General Municipal Law of the State of New York, and of the Penal provisions thereof as well, the undersigned applicant states that no State Officer, Officer or Employee of the Town of Newburgh, or Orange County, has any interest, financial or otherwise, in this application or with, or in the applicant as defined in said Statute, except the following person or persons who is or are represented to have only the following type of interest, in the nature and to the extent hereinafter indicated:

X _____ **NONE**

_____ **NAME, ADDRESS, RELATIONSHIP OR INTEREST**
(financial or otherwise)

This disclosure addendum statement is annexed to and made a part of the petition, application and request made by the undersigned applicant to the following Board or Officer of the Town of Newburgh.

_____ **TOWN BOARD**
_____ **PLANNING BOARD**
_____ **ZONING BOARD OF APPEALS**
_____ **ZONING ENFORCEMENT OFFICER**
_____ **BUILDING INSPECTOR**
_____ **OTHER**

_____ **DATED**

_____ **INDIVIDUAL APPLICANT**

_____ **CORPORATE OR PARTNERSHIP APPLICANT**

BY: _____
(Pres.) (Partner) (Vice-Pres.)
(Sec.) (Treas.)

LIST OF ADJACENT PROPERTY OWNERS

Within ten business days following the applicant's first appearance before the Planning Board, the applicant shall forward a letter prepared by the Planning Board or an authorized agent of the Planning Board to all property owners within 500 feet of the land involved in the application, as the names of such owners appear on the last completed assessment roll of the Town, notifying the property owners of the receipt of the plat and application, by first class mail. **The list of property owners shall be provided to the applicant from the Planning Board, through the Town Assessor's office.** The applicant shall thereafter submit a duly executed, notarized affidavit of mailing to the Planning Board. Further appearances before the Planning Board shall be prohibited until an affidavit meeting the requirements has been delivered. In the event a modification to an application proposes an increase in the number of lots or the relocation of a proposed road or drainage basin to a location adjacent to an adjoining property, then a supplementary letter shall be required to be forwarded in the same manner advising of the modification.



Mobiilitie, LLC
594 Broadway
Suite 301
New York, NY 10012
Tel: 917.656.9083
www.mobiilitie.com

August 18th, 2017

John P. Ewasutyn
Chairman
Town of Newburgh Planning Board
308 Gardnertown Road
Newburgh, NY 12550

RE: MOBILITIE, LLC'S SITE PLAN APPLICATION PB# 2017-23

Dear Mr John Ewasutyn,

I am writing today to submit a Site Plan application PB#2017-23 to the Planning Board. Mobiilitie is seeking Site Plan approval by the Planning Board to attach wireless equipment on an existing Central Hudson Gas and Electric Corp ("Central Hudson") within the Right-of-Way("ROW") at 6 Orr Avenue. The proposed site will be used by Sprint Corporation to improve coverage in the area and increase the networks capacity. Below is the require project description of our proposal and attached site plan application and documents.

TOWN OF NEWBURGH PROPOSAL

Mobiilitie is seeking Site Plan approval to build one small cell site on an existing Central Hudson wooden utility pole within the Town's ROW of Orr Avenue located at Latitude 41.4997 and Longitude -74,071735 in a IB Zoning District. Mobiilitie is the largest privately-held wireless infrastructure provider in the United States. Mobiilitie funds, installs, and operates DAS, Small Cell, and Wi-Fi networks, communication tower sites, used by wireless carriers to enable high speed mobile communications. Mobiilitie has been granted a Certificate of Public Convenience and Necessity ("PCN") by the New York State Public Service Commission and is a utility under the laws of the state. Mobiilitie's PCN status allows it to place its telecommunication equipment in the ROW with other telecommunication and utilities services.

The Small Cells are a vital component to the overall telecommunications network as they increase capacity and strengthen network connections to improve coverage with the need for larger sites. The small cells are small, low-powered wireless facilities, consisting of a transmit-receive antenna that communicates with wireless devices, a wireless backhaul antenna that connects the facility to the carrier's core network, and compact radio equipment mounted on either new or existing utility or light poles with no ground equipment. Small cells have a range of 300 to 500 meters. The small cells boost the capacity by offloading data demands to existing macro networks.

The location of the proposed small cell site was selected due to the critical needs in the area for more data capacity. The surrounding area of the consist of large commercial shopping centers. The surrounding area is served by two Transit Orange bus lines the Northside Route and Southside Route with stops near the Walmart and Kohl's. In addition to being located near Route 87 and State Route 17K. The highly trafficked commercial establishments create a high data demands on the existing network.

The network deficiency map enclosed shows the area's current the data demand. The immediate area in red represents a critical level of competing data demand requiring immediate action to supplement network resources. The small cell site will create a coverage area (enclosed is the proposed solution map) of area of 6.4 acres or .01 square miles. It would cover the commercial shopping area directly north of the site and the Speedway south of the site and 300 plus feet of Orr Avenue. It would also cover vehicles traveling along Route 300



Mobilitie, LLC
594 Broadway
Suite 301
New York, NY 10012
Tel: 917.656.9083
www.mobilitie.com

and portions of the Home Depot parking lot and Mid-Hudson Valley Bank. The small cell will offload the data through its wireless backhaul to the macro site located at Snake Hill in the City of Newburgh. By offloading the area's demand the site will allow for improved service to Sprint's network in the area.

Mobilitie will be building its facility on an existing Central Hudson utility pole along the Town owned Orr Avenue. This collocation benefits the Town by using existing ROW infrastructure and eliminates the need for a new pole. The current pole is 22 feet 10 inches tall and contains a guidewire attached to a pole across the street. Mobilitie will install the small cell equipment on the side of the pole which will transport the data to the donor macro site. On top of the pole will be a 2.5 Mhz omni antenna that has a height of 29.5 inches and a diameter of 4.7 inches. The antenna will be attached to the pole with a 21.6-inch bracket. A portion of the bracket will wrap around the pole leaving a 10-inch space from the top of the pole to the bottom of the antenna. In total, the antenna will extend the structure height to 26.2 inches.

Mounted onto the side of the pole will be the remaining equipment used as part of the small cell facility. At 5 feet from the ground, there will be a Central Hudson meter and 2 feet above the meter will be a power disconnect, extending 5.95 inches off the pole. These will be attached with a .5-inch steel band. At 11 feet from the ground will be the A/C distribution box connected to the pole with a .5-inch steel band. The center line of the radio will be located 15 feet from the ground. The radio has a height of 20.3 inches, is 10.3 inches, and will extend 8.3 inches from the pole. It will be attached to the pole with a 3/8 inch through bolt. On top of the radio will be a small GPS antenna that will extend 2 inches off the radio. The UE relay will be located 17 feet from the ground. The UE relay has a height of 13 inches and a diameter of 7 inches. The UE relay will extend 10 inches from the pole. Power for the site will be overhead from the existing utility lines along Orr Avenue on the southwest side of the street adjacent to the Speedway Entrance. Enclosed is a photo simulation of the proposed facility.

Construction of the site will can take up to two days but may vary. The first day of construction consist of prep work and pulling of aerial power. The second day will include the installation of equipment and integration of equipment. Mobilitie will not be boring, trenching or digging up any part of the Right-of-Way.

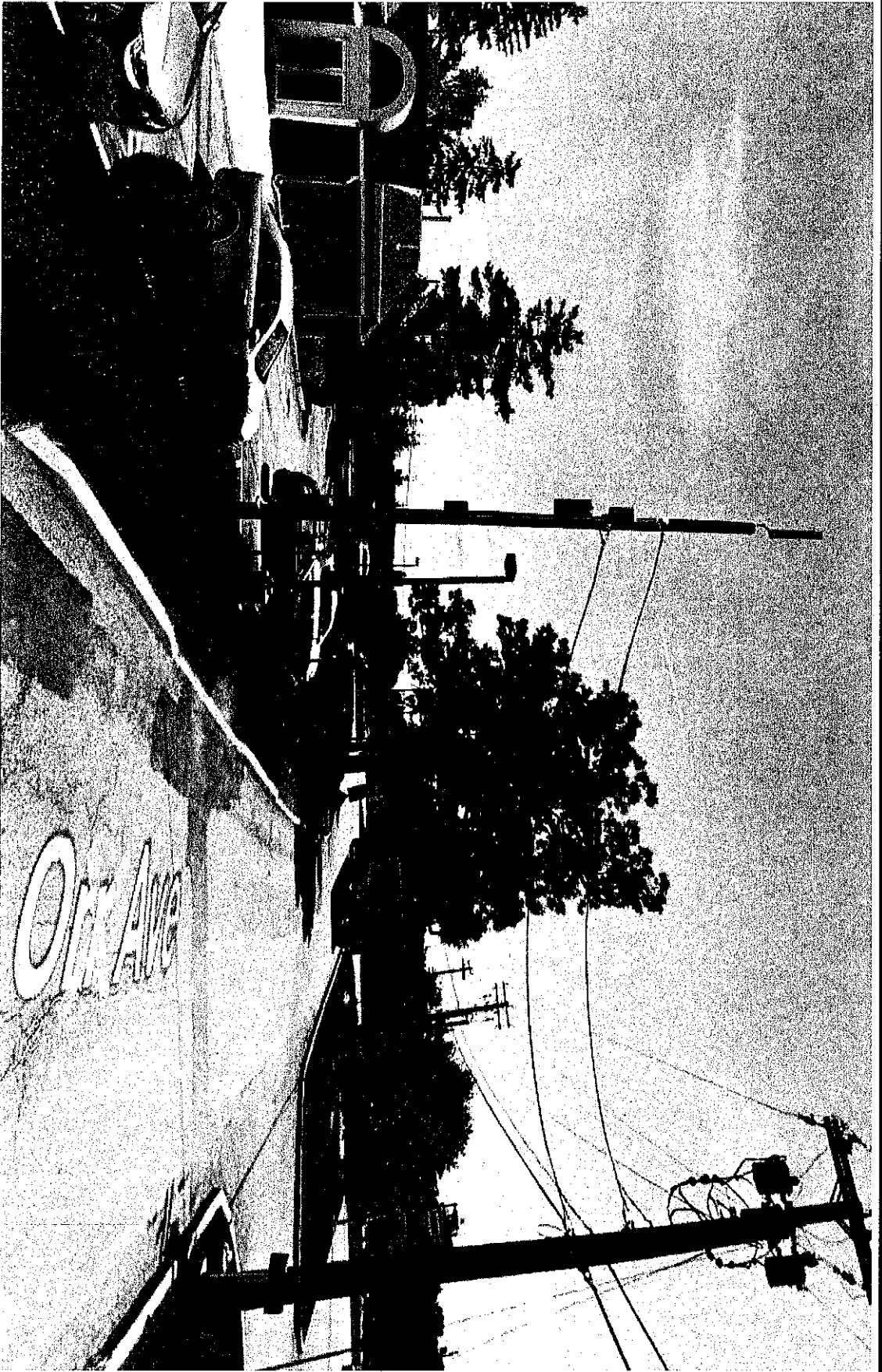
The construction of the small cell wireless facility allows Sprint to provide precisely placed facility that will provide improved high-speed, high-capacity bandwidth network and meet the ever-growing demand for connectivity. Using existing infrastructure in the ROW allows for this improve coverage without any additional impacts on the ROW and blends in with the current infrastructure.

Thank you,

Paul Costa
Permitting Manger

Enclosures

New York State Public Service Commission Certificate
Built Examples of Small Cell Sites
Map of Proposed Location



PROPOSED VIEW

9NYB007805A/NY90XSWY1A

41.499700/-74.071735

ORR AVE & NY-300/UNION AVE

NEWBURGH, NY 12550

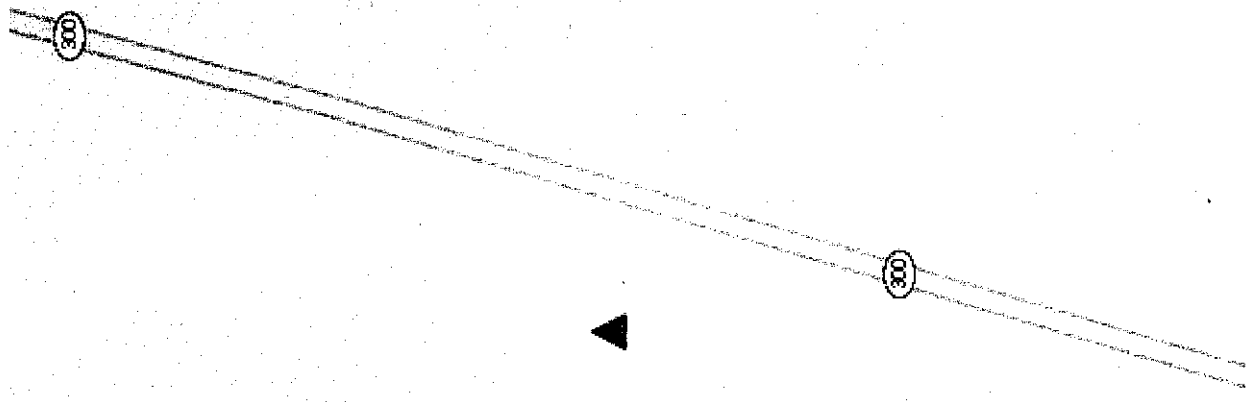
DATE: 8/23/17



1800 Hwy 34 • Suite 209 • Wall, NJ 07719
Phone: (732) 280-5623 Fax: (732) 280-3980 - www.kimbdg.com



AREA OF INTEREST



9NYB007805-A
Site Lat: 41.499700
Site Long: -74.071735
Pole Height: 35 ft
▲ Proposed Small Cell



Additional comments below:



Short Environmental Assessment Form

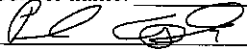
Part 1 - Project Information

Instructions for Completing

Part 1 - Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 - Project and Sponsor Information							
Mobilite LLC / Paul Costa							
Name of Action or Project: Orr Avenue Small Cell Site							
Project Location (describe, and attach a location map): Existing wooden utility pole located at 41.499700, -74.071735 - Across from 6 Orr Avenue							
Brief Description of Proposed Action: Mobilite is seeking to attach small cell wireless equipment to an existing Central Hudson Gas & Electric Corp utility pole along Orr Avenue. Mobilite will attach the small cell equipment to the side of the pole and attach a 3 foot omni antenna to the top of the pole, extending the structure height to 26.2 feet.							
Name of Applicant or Sponsor: Mobilite, LLC / Paul Costa		Telephone: 917-656-9083 E-Mail: pcosta@mobilite.com					
Address: 594 Broadway Suite 301							
City/PO: New York		State: NY	Zip Code: 10012				
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; text-align: center;">NO</th> <th style="width: 50%; text-align: center;">YES</th> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	NO	YES	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NO	YES						
<input checked="" type="checkbox"/>	<input type="checkbox"/>						
2. Does the proposed action require a permit, approval or funding from any other governmental Agency? If Yes, list agency(s) name and permit or approval:			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; text-align: center;">NO</th> <th style="width: 50%; text-align: center;">YES</th> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	NO	YES	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NO	YES						
<input checked="" type="checkbox"/>	<input type="checkbox"/>						
3.a. Total acreage of the site of the proposed action? _____ .0 acres b. Total acreage to be physically disturbed? _____ 0.0 acres c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ 0.0 acres							
4. Check all land uses that occur on, adjoining and near the proposed action. <input type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Residential (suburban) <input type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input checked="" type="checkbox"/> Other (specify): <u>Right - of - Way (Built street)</u> <input type="checkbox"/> Parkland							

<p>18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)?</p> <p>If Yes, explain purpose and size: _____</p> <p>_____</p>	<p>NO</p> <p><input checked="" type="checkbox"/></p>	<p>YES</p> <p><input type="checkbox"/></p>
<p>19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?</p> <p>If Yes, describe: _____</p> <p>_____</p>	<p>NO</p> <p><input checked="" type="checkbox"/></p>	<p>YES</p> <p><input type="checkbox"/></p>
<p>20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?</p> <p>If Yes, describe: _____</p> <p>_____</p>	<p>NO</p> <p><input checked="" type="checkbox"/></p>	<p>YES</p> <p><input type="checkbox"/></p>
<p>I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE</p> <p>Applicant/sponsor name: <u>Paul Costa/ Mobilitie, LLC</u> Date: <u>8-18-2017</u></p> <p>Signature: <u></u></p>		

**SITE ID-CANDIDATE LETTER/CASCADE ID-CANDIDATE LETTER:
9NYB007805A/NY90XSWY1A**

**LATITUDE/LONGITUDE:
41.499700/-74.071735**

**CROSS STREET:
ORR AVE & NY-300/UNION AVE**

**CITY, STATE, ZIP:
NEWBURGH, NY 12550**



IF YOU DIG IN ANY STATE
DIAL 811 FOR THE LOCAL
"ONE CALL CENTER" -
IT'S THE LAW

THE UTILITIES SHOWN HEREIN ARE FOR THE CONTRACTOR'S
CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT
SHOWN ON THESE PLANS. THE ENGINEER/SURVEYOR ASSUMES
NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL
BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL THE
UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE
TO THE (E) UTILITIES BY THE CONTRACTOR SHALL BE THE
SOLE RESPONSIBILITY OF THE CONTRACTOR.

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A
TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE
MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT
DISTURBANCE OF EFFECT ON DRAINAGE; NO SANITARY SEWER
SERVICE, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED AND
NO COMMERCIAL SIGNAGE IS PROPOSED.

SITE INFORMATION

SITE ID:	9NYB007805A
CASCADE ID:	NY90XSWY1A
LATITUDE:	41.499700
LONGITUDE:	-74.071735
CROSS STREET:	ORR AVE & NY-300/UNION AVE
CITY, STATE, ZIP:	NEWBURGH, NY 12550
COUNTY:	ORANGE COUNTY
JURISDICTION:	TOWN OF NEWBURGH
PROPERTY OWNER:	PUBLIC RIGHT-OF-WAY
APPLICANT:	MOBILITIE, LLC 3475 PIEDMONT ROAD NE; SUITE 1000 ATLANTA, GEORGIA 30305 PHONE: (312) 638-5400

ENGINEER

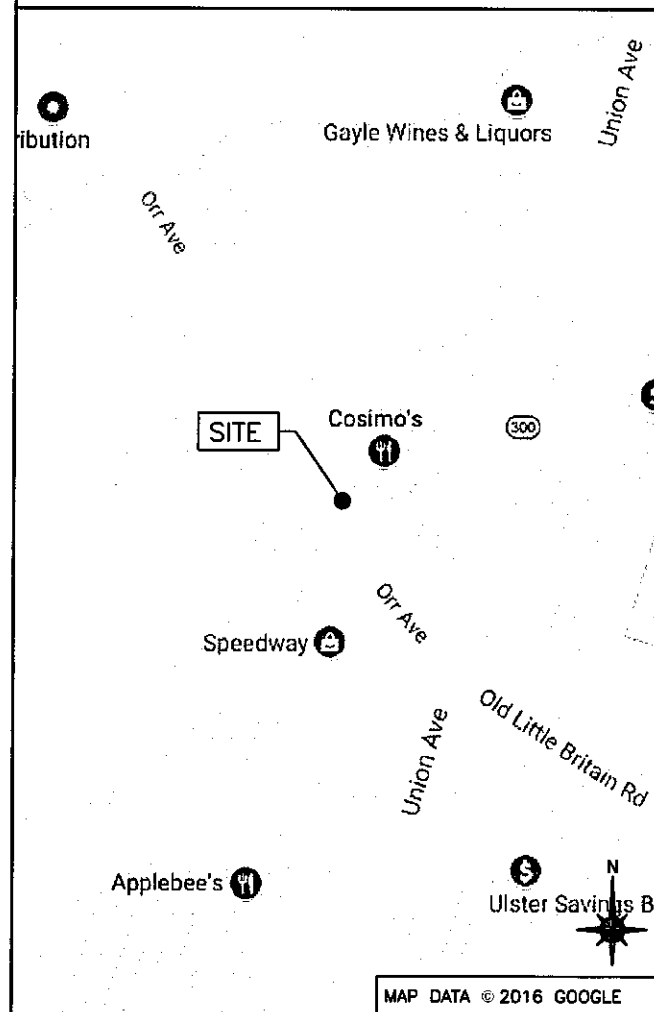
JACOBS ENGINEERING GROUP, INC. CONTACT: KARL KRATINA
5449 BELLS FERRY ROAD PROJECT MANAGER
ACWORTH, GA 30102 TEL: (678) 460-1416
PROJECT: ER600201

DO NOT SCALE DRAWINGS

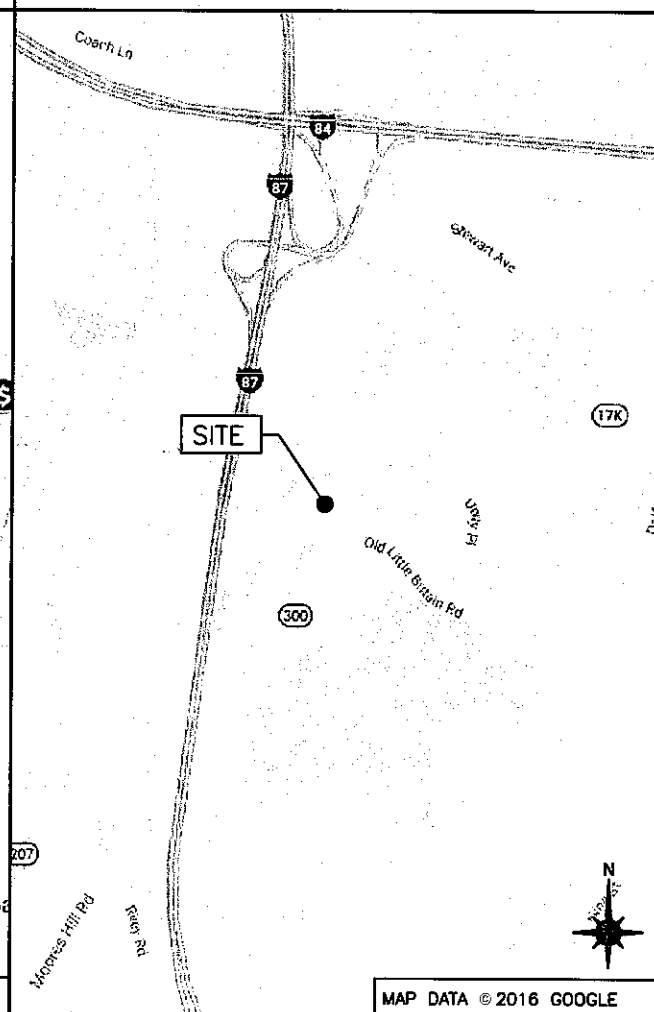
CONTRACTORS SHALL VERIFY ALL PLANS, (E) DIMENSIONS & FIELD
CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE
ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE
PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

LOCATION MAPS

VICINITY MAP



REGIONAL MAP



PROJECT DESCRIPTION

END USER PROPOSES TO INSTALL EQUIPMENT ON AN
EXISTING WOOD POLE WITHIN AN EXISTING RIGHT-OF-WAY.
THE SCOPE WILL CONSIST OF THE FOLLOWING:

- INSTALL PROPOSED BACKHAUL TRANSPORT EQUIPMENT ON
AN EXISTING WOOD UTILITY POLE

CODES

INTERNATIONAL BUILDING CODE
NATIONAL ELECTRICAL SAFETY CODE
TIA/EIA-222-G-2 OR LATEST EDITION
LOCAL BUILDING/PLANNING CODE

DRAWING INDEX

SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
SP-1	EXHIBIT PHOTO & SITE PLAN
EV-1	POLE ELEVATIONS
EV-2	POLE ELEVATIONS
PL-1	PLUMBING & RISER DIAGRAM
EQ-1	EQUIPMENT DETAILS
EQ-2	EQUIPMENT DETAILS
E-1	ELECTRICAL DETAILS
G-1	GROUNDING DETAILS
TC-1	VEHICULAR TRAFFIC CONTROL PLAN
TC-2	PEDESTRIAN SAFETY PLAN
GN-1	GENERAL NOTES
GN-2	GENERAL NOTES
GN-3	GENERAL NOTES



3475 PIEDMONT ROAD NE
SUITE 1000
ATLANTA, GEORGIA 30305
PHONE: (312) 638-5400

PROJECT NO:	ER600201
DRAWN BY:	C. O'DELL
CHECKED BY:	W. WEST

PRELIM - NOT FOR CONSTRUCTION

C	08.18.17	CHANGE POLE HEIGHT
B	08.08.17	POLE HEIGHT REVISION
A	06.29.17	PRELIM-NOT FOR CONSTRUCTION



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

NY90XSWY1A
9NYB007805A
ORR AVE &
NY-300/UNION AVE
NEWBURGH, NY 12550
UTILITY POLE

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1

PROJECT NO: ER600201
DRAWN BY: C. O'DELL
CHECKED BY: W. WEST

PRELIM - NOT FOR CONSTRUCTION

C	08.18.17	CHANGE POLE HEIGHT
B	08.08.17	POLE HEIGHT REVISION
A	06.29.17	PRELIM-NOT FOR CONSTRUCTION



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

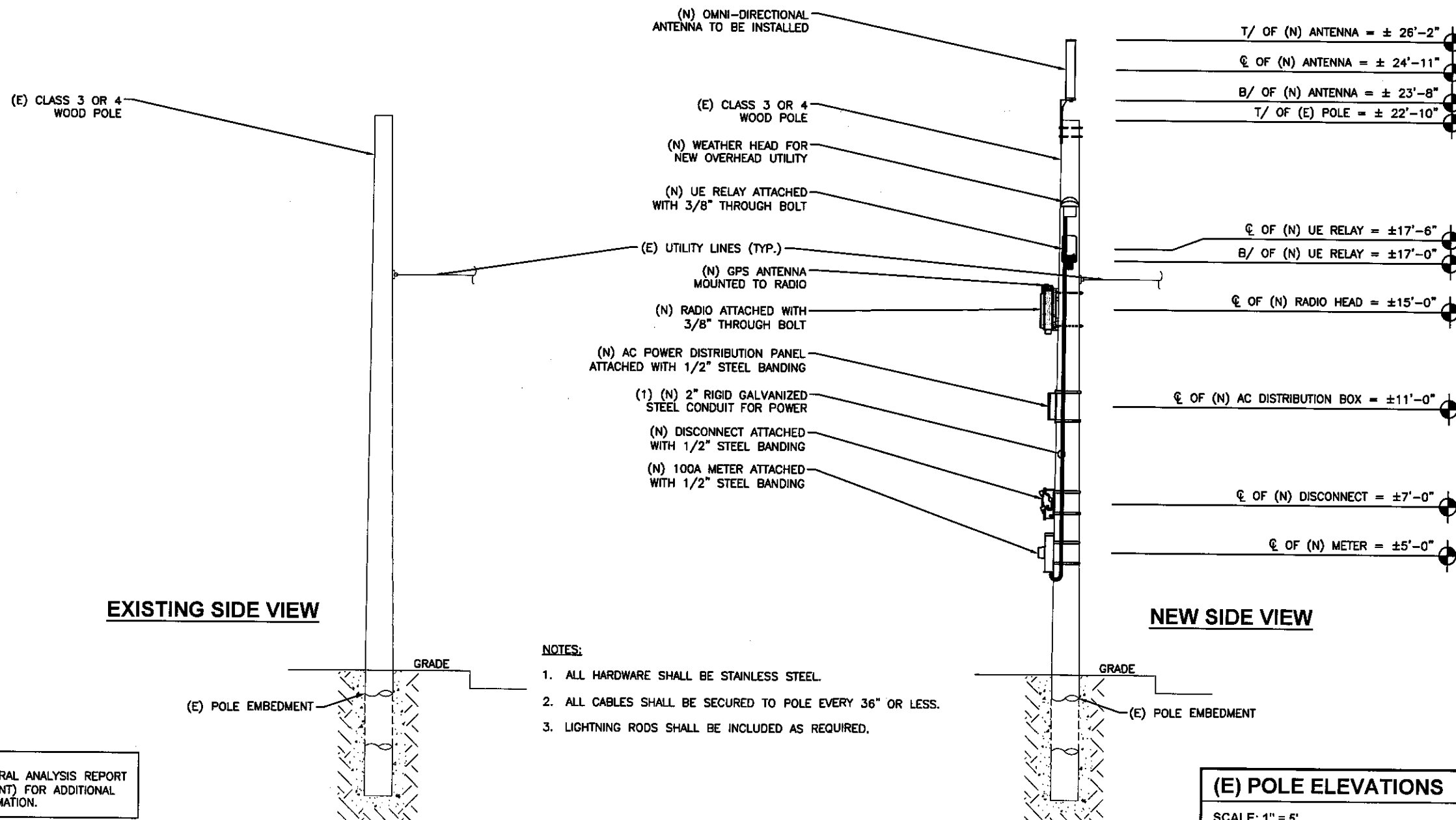
NY90XSWY1A
9NYB007805A
ORR AVE &
NY-300/UNION AVE
NEWBURGH, NY 12550
UTILITY POLE

SHEET TITLE

POLE ELEVATIONS

SHEET NUMBER

EV-1



NOTES:

1. ALL HARDWARE SHALL BE STAINLESS STEEL.
2. ALL CABLES SHALL BE SECURED TO POLE EVERY 36" OR LESS.
3. LIGHTNING RODS SHALL BE INCLUDED AS REQUIRED.

NOTE:
REFER TO STRUCTURAL ANALYSIS REPORT
(SEPARATE DOCUMENT) FOR ADDITIONAL
STRUCTURAL INFORMATION.

(E) POLE ELEVATIONS

SCALE: 1" = 5'

1

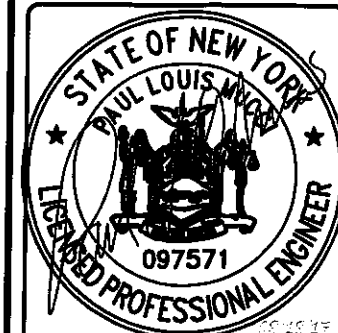
PROJECT NO: ER600201

DRAWN BY: C. O'DELL

CHECKED BY: W. WEST

PRELIM - NOT FOR CONSTRUCTION

C	08.18.17	CHANGE POLE HEIGHT
B	08.08.17	POLE HEIGHT REVISION
A	06.29.17	PRELIM-NOT FOR CONSTRUCTION

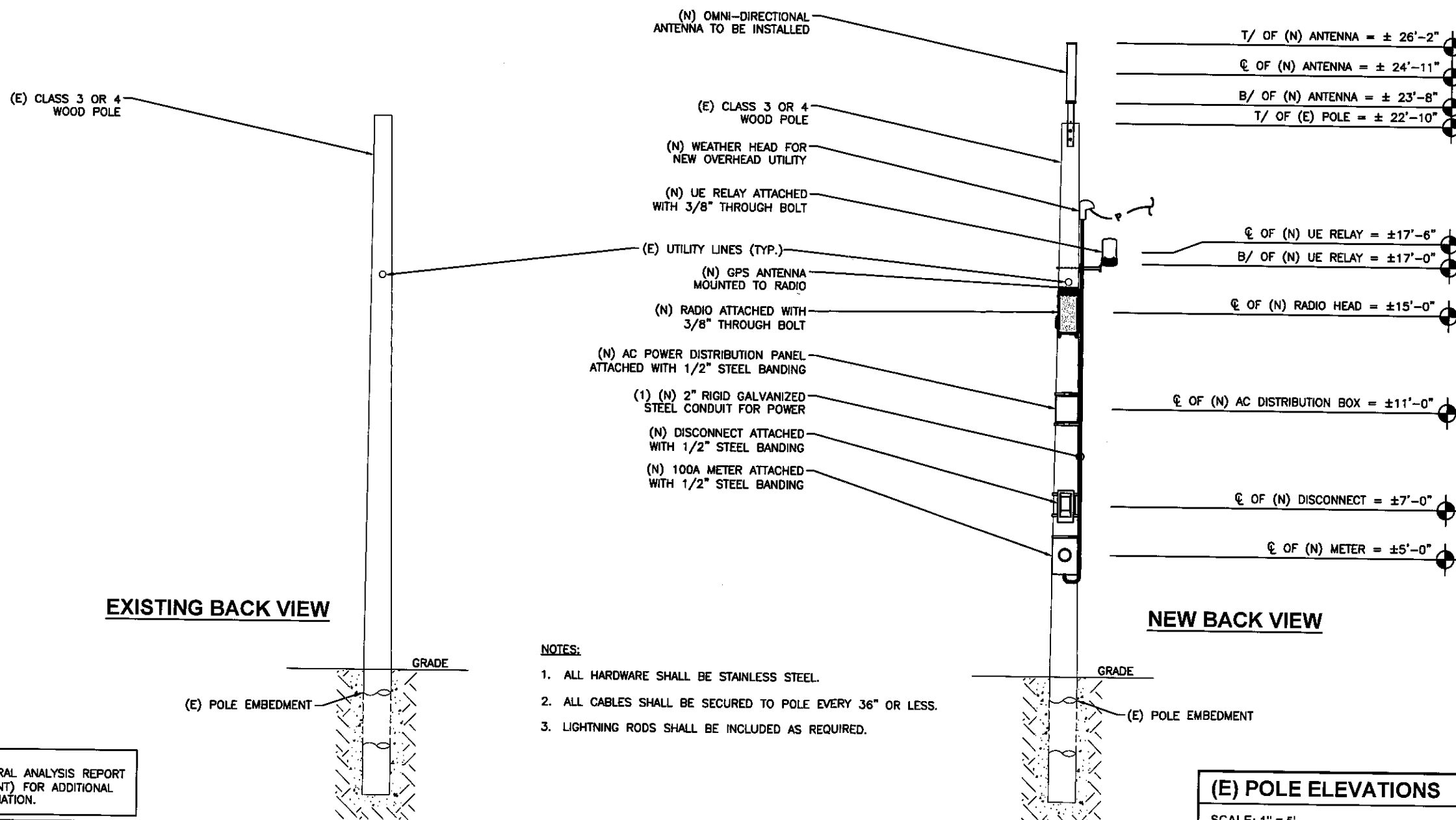


IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

NY90XSWY1A
9NYB007805A
ORR AVE &
NY-300/UNION AVE
NEWBURGH, NY 12550
UTILITY POLE

SHEET TITLE
POLE ELEVATIONS

SHEET NUMBER
EV-2



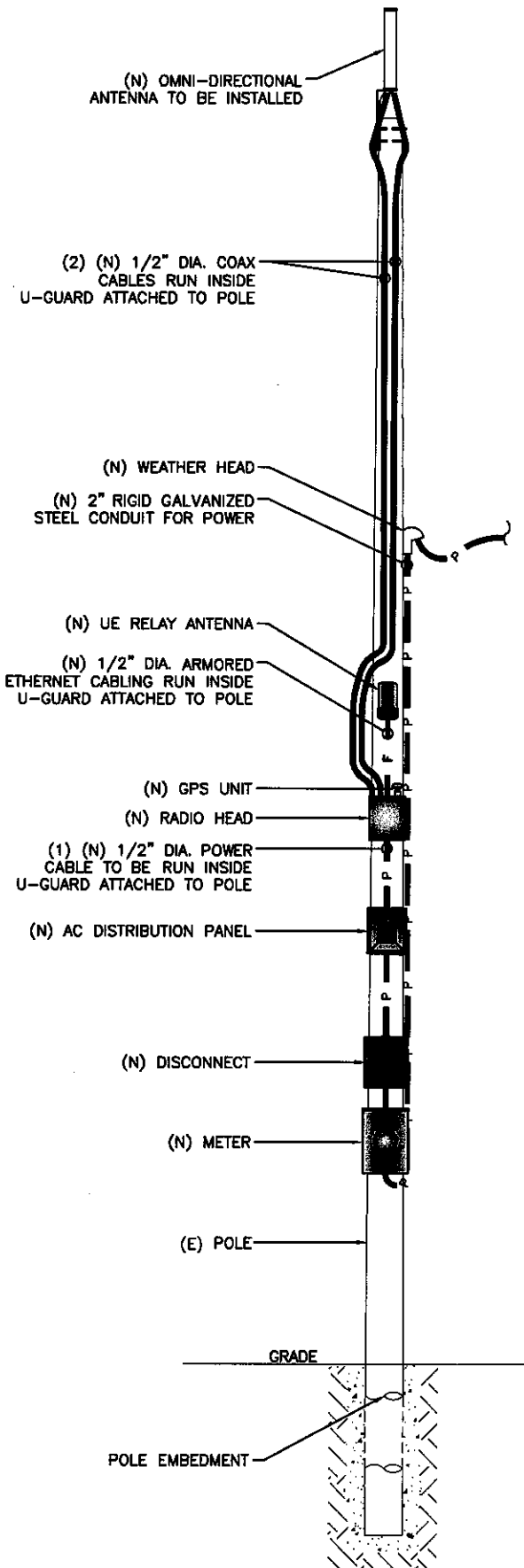
- NOTES:**
1. ALL HARDWARE SHALL BE STAINLESS STEEL.
 2. ALL CABLES SHALL BE SECURED TO POLE EVERY 36" OR LESS.
 3. LIGHTNING RODS SHALL BE INCLUDED AS REQUIRED.

NOTE:
REFER TO STRUCTURAL ANALYSIS REPORT
(SEPARATE DOCUMENT) FOR ADDITIONAL
STRUCTURAL INFORMATION.

(E) POLE ELEVATIONS

SCALE: 1" = 5'

NOTE:
(E) POLE MOUNTED EQUIPMENT
NOT SHOWN FOR CLARITY.



NOTE:
CABLING DIAGRAM IS FOR CLARITY OF
CABLE ROUTE AND TERMINATION ONLY.
CONTRACTOR SHALL INSTALL CABLES
WITH MINIMAL VISUAL IMPACT ON (E)
WOOD POLE. SEE ELEVATION DRAWING
FOR EQUIPMENT AND ANTENNA
LOCATIONS.

CABLING NOTES:

- A) WOOD, CONCRETE AND EXISTING METALLIC POLES
 - I) FROM GRADE LINE TO 11'-0" ABOVE GRADE, ALL CABLES/CONDUCTORS EXCEPT GROUNDING CONDUCTOR MUST RUN IN RIGID GALVANIZED STEEL CONDUIT (RGS)
 - II) GROUNDING CONDUCTORS IN EXPOSED LOCATIONS MUST BE INSTALLED IN PVC.
 - III) IN EARTH INSTALL PVC CONDUIT FOR BACKHAUL AND ELECTRICAL SERVICE. TRANSITION TO RGS AT GRADE LINE.
 - IV) ABOVE 11'-0" ALL CABLES (POWER, ETHERNET, COAXIAL) MUST RUN IN PVC UTILITY POLE RISER.
 - (1) AT MAJOR EQUIPMENT, EXTEND UTILITY DUCT IMMEDIATELY ADJACENT TO THE EQUIPMENT. INSTALL CABLES IN THE UTILITY POLE RISER CREATING CABLE DRIP LOOPS NOT LESS THAN THE CABLE BENDING RADIUS.
 - (2) INSIDE THE UTILITY POLE RISER, UTILIZE 1/2" COAX BLOCKS WITH LAG SCREWS TO SUPPORT COAX, RADIO AND MW POWER, RF COAX, AND ETHERNET CABLES TO WITHIN 12" OF THE EQUIPMENT BEING SERVED AND ON INTERVALS NOT TO EXCEED 4'.
 - V) FOR UNDERGROUND HFC/PUBLIC BACKHAUL, ROUTE ETHERNET CABLE IN CONDUIT UP THE POLE AND ENTER THE UTILITY POLE RISER. SEAL EXPOSED END OF CONDUIT WITH A CABLE TERMINATION FITTING.
 - VI) BY APPROVAL IN SELECT CASES LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LFMC) MAY BE USED IN LENGTHS NOT TO EXCEED 36" TO EXTEND THE ELECTRICAL SERVICE CONDUIT TO THE AC DISTRIBUTION BOX. EXAMPLE: UTILITY-REQUIRED DISCONNECT ON POLE W/ AC DISTRIBUTION BOX ON OPPOSITE SIDE OF POLE. NOT REQUIRED FOR COAX.
- B) NEW METALLIC POLES
 - I) PROCURE NEW POLES WITH SUITABLE HAND HOLES SUCH THAT HAND HOLES EXIST AT ALL EQUIPMENT LOCATIONS.
 - II) WHERE REQUIRED, INSTALL POLE BASE SUCH THAT THE ELECTRICAL FEED AND BACKHAUL (IF UNDERGROUND) CIRCUIT ENTER THE POLE THROUGH THE POLE BASE.

PLUMBING DIAGRAM

SCALE: NOT TO SCALE

1

BILL OF MATERIALS							
QTY.	DESCRIPTION	MANUFACTURER	MODEL NUMBER	AZIMUTH	CABLE	DIMENSIONS (HxWxD)	WEIGHT
1	ANTENNA	ALPHA WIRELESS	AW3477-S	TBD	14'±	30.7" X 4.7" DIAMETER	7 LBS
1	UE RELAY	AIRSPAN	IR460-SPB-ST-1-P-0	TBD	3'±	13" X 7" DIAMETER	8.8 LBS
-	-	-	-	-	-	-	-
1	GPS	TALLYSMAN	TW3012	-	-	0.8" X 2.6" DIAMETER	0.3 LBS
1	RADIO	AIRSPAN	AH4000	-	3'±	20.3" X 10.3" X 8.3"	42 LBS
-	-	-	-	-	-	-	-
1	AC DISTRIBUTION PANEL	TRANSECTOR	1101-1207-1012	-	1'±	12" X 12" X 4"	17 LBS
1	NEMA TYPE-3R DISCONNECT	SIEMENS	GF222NR	-	1'±	15.45" X 8.7" X 5.95"	14 LBS
1	METER SOCKET	MILBANK	U4801-XL-5T9	-	53'±	19" X 13" X 4.84"	21 LBS

RFDS REVISION TYPE: NOT FINAL
RFDS REVISION NUMBER: N/A
RFDS REVISION TIMESTAMP: N/A

BILL OF MATERIALS

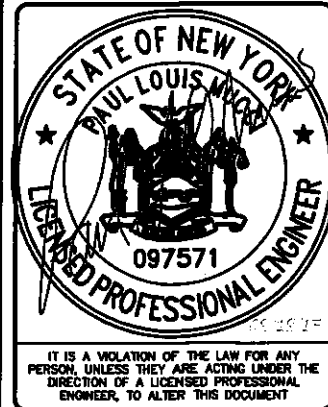
SCALE: NOT TO SCALE

2

PROJECT NO: ER600201
DRAWN BY: C. O'DELL
CHECKED BY: W. WEST

PRELIM - NOT FOR CONSTRUCTION

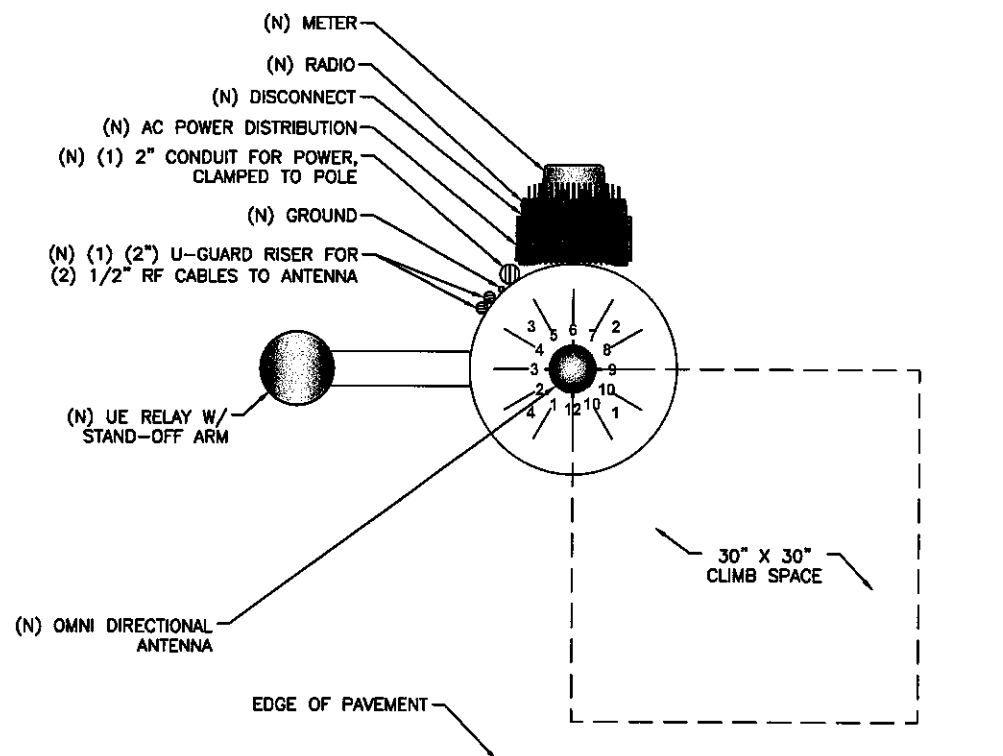
C	08.18.17	CHANGE POLE HEIGHT
B	08.08.17	POLE HEIGHT REVISION
A	06.28.17	PRELIM-NOT FOR CONSTRUCTION



NY90XSWY1A
9NYB007805A
ORR AVE &
NY-300/UNION AVE
NEWBURGH, NY 12550
UTILITY POLE

SHEET TITLE
PLUMBING & RISER DIAGRAM

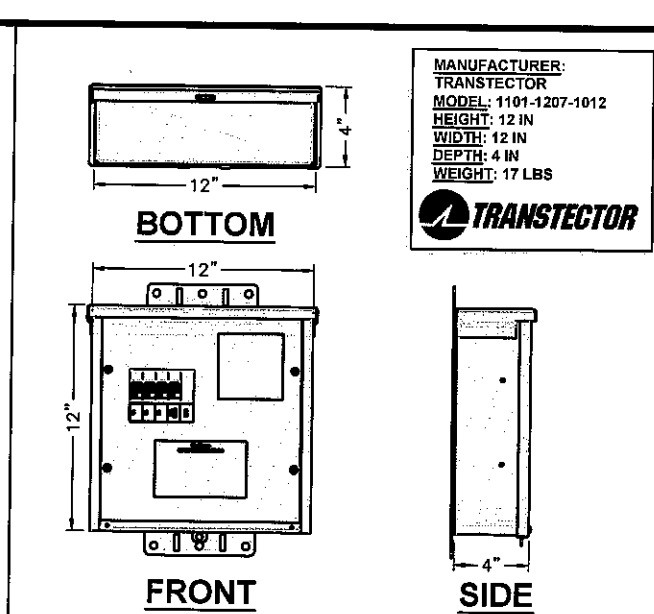
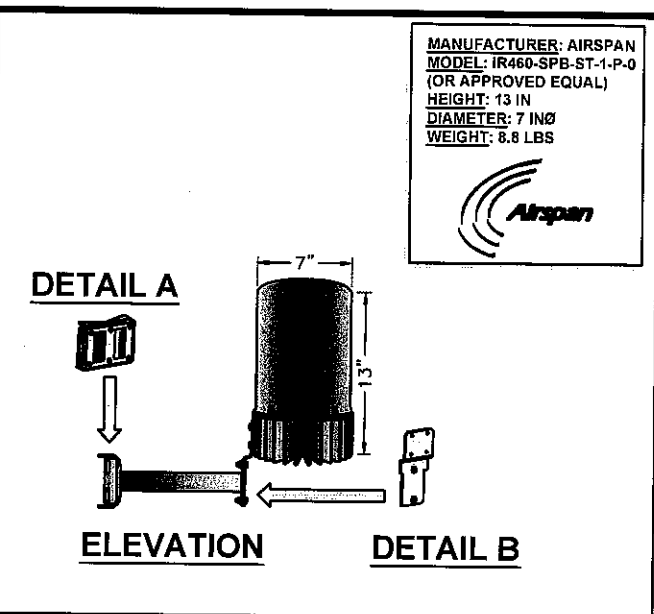
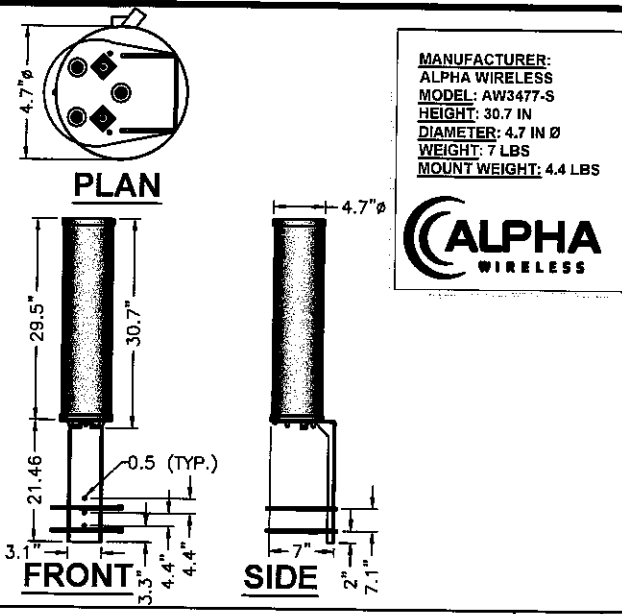
SHEET NUMBER
PL-1



RISER ORIENTATION DIAGRAM

SCALE: NOT TO SCALE

3



mobilitie
 Intelligent Infrastructure

3475 PIEDMONT ROAD NE
 SUITE 1000
 ATLANTA, GEORGIA 30305
 PHONE: (312) 638-5400

ALPHA AW3477-S OMNI (B41) SCALE N.T.S. 1

UE RELAY IR460-SPB-ST-1-P-0 SCALE N.T.S. 4

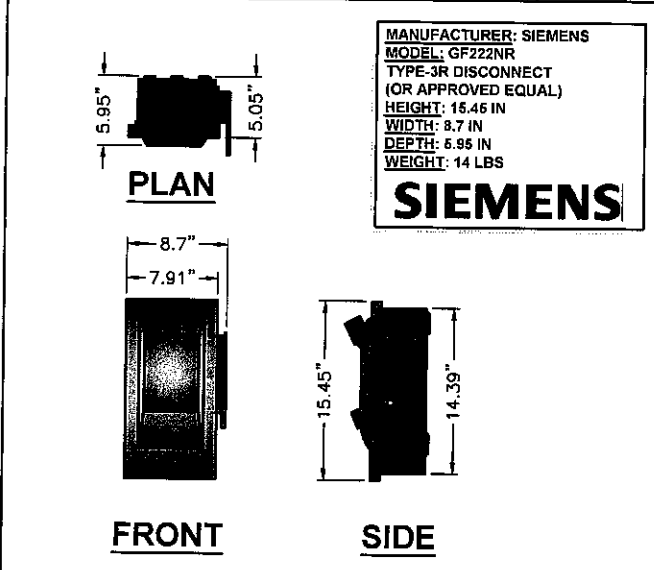
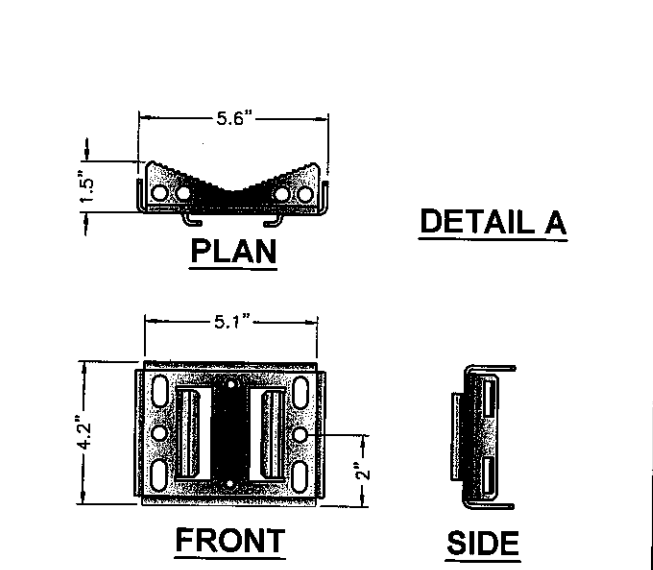
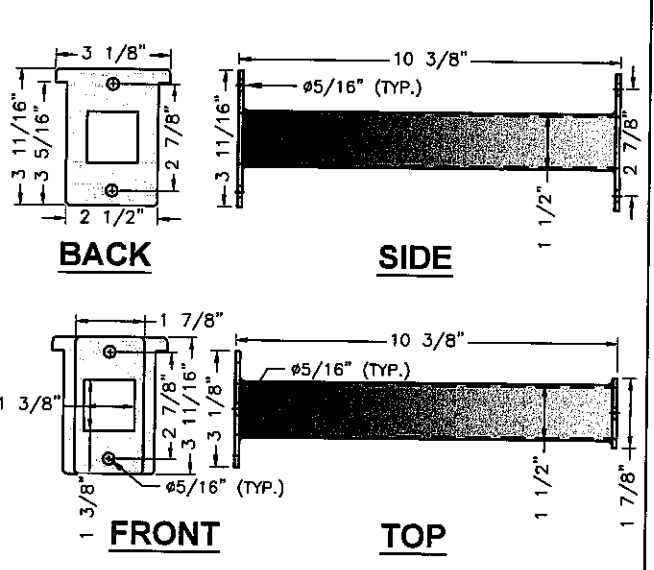
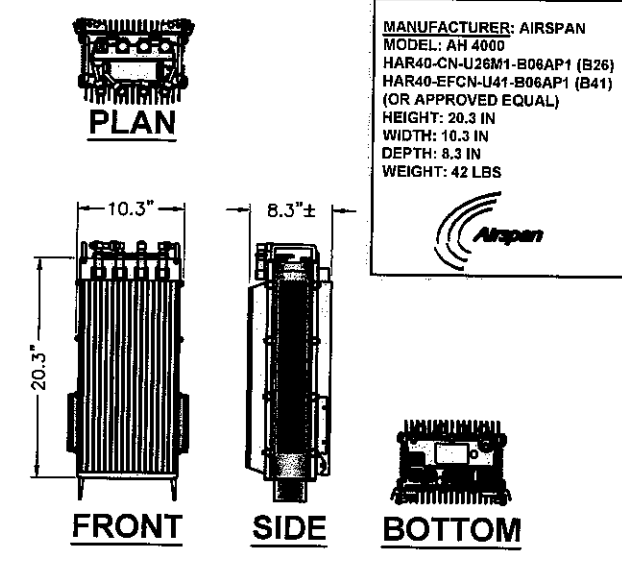
NOT USED SCALE N.T.S. 7

TRANSTECTOR 1101-1207-1012 SCALE N.T.S. 10

PROJECT NO: ER600201
 DRAWN BY: C. O'DELL
 CHECKED BY: W. WEST

PRELIM - NOT FOR CONSTRUCTION

C 08.18.17 CHANGE POLE HEIGHT
 B 08.08.17 POLE HEIGHT REVISION
 A 06.28.17 PRELIM-NOT FOR CONSTRUCTION



AIRSPAN RADIO AH4000 SCALE N.T.S. 2

IR460 STAND-OFF SCALE N.T.S. 5

IR460 FLUSH MOUNT SCALE N.T.S. 8

NEMA TYPE-3R DISCONNECT SCALE N.T.S. 11

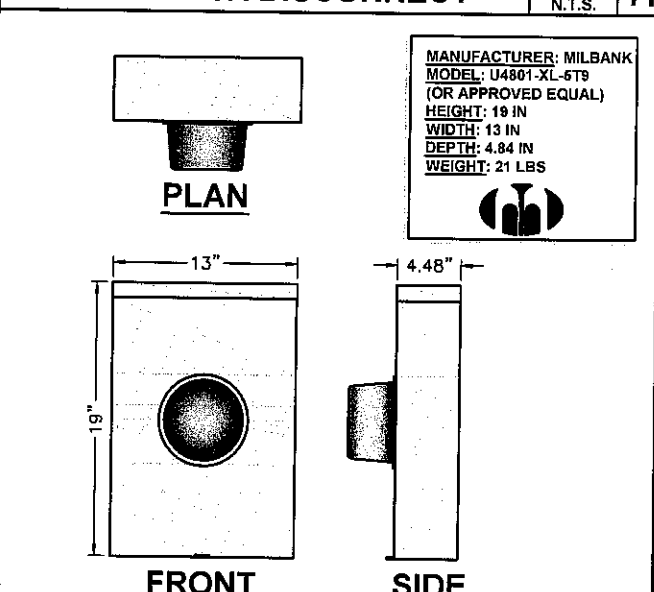
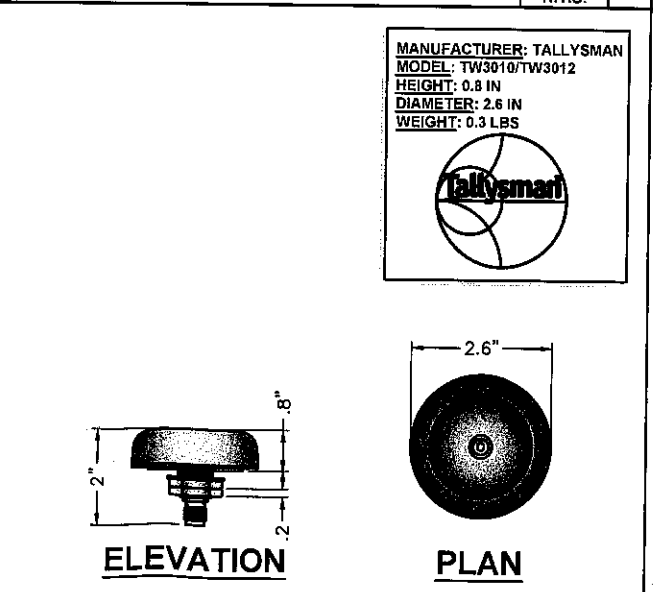
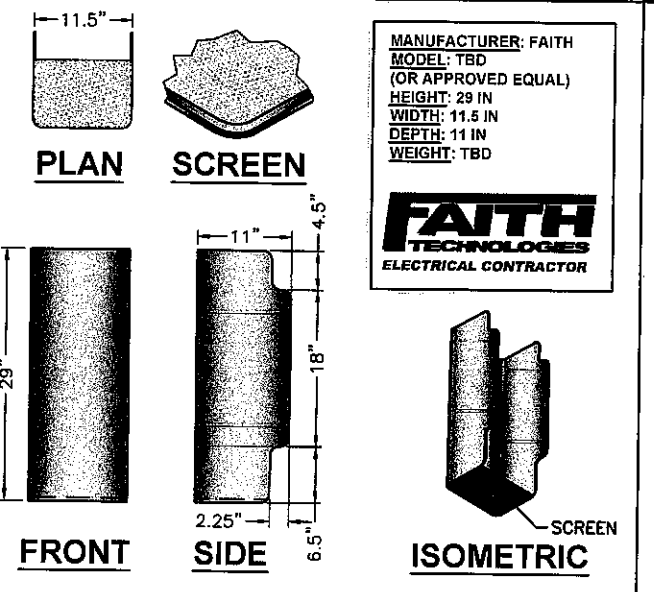
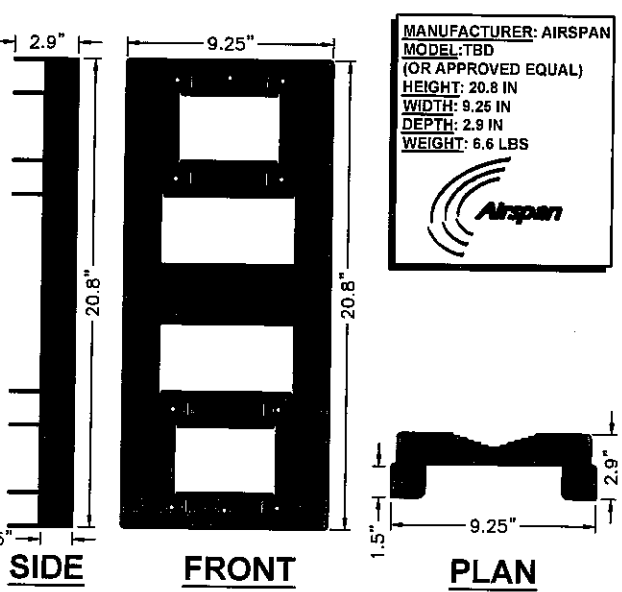
STATE OF NEW YORK
 PAUL LOUIS WOOD
 LICENSED PROFESSIONAL ENGINEER
 097571

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

NY90XSWY1A
 9NYB007805A
 ORR AVE &
 NY-300/UNION AVE
 NEWBURGH, NY 12550
 UTILITY POLE

SHEET TITLE
 EQUIPMENT DETAILS

SHEET NUMBER
 EQ-1

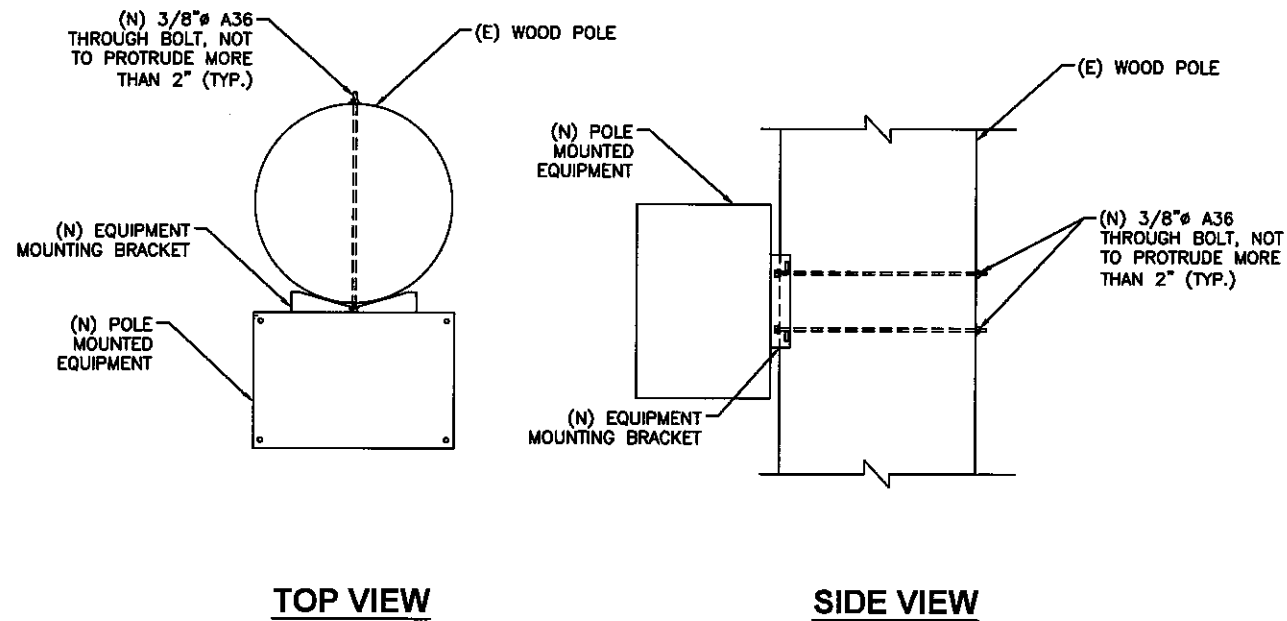


AIRSPAN RADIO MOUNT SCALE N.T.S. 3

AIRSPAN SUN SHIELD SCALE N.T.S. 6

TALLYSMAN GPS UNIT SCALE N.T.S. 9

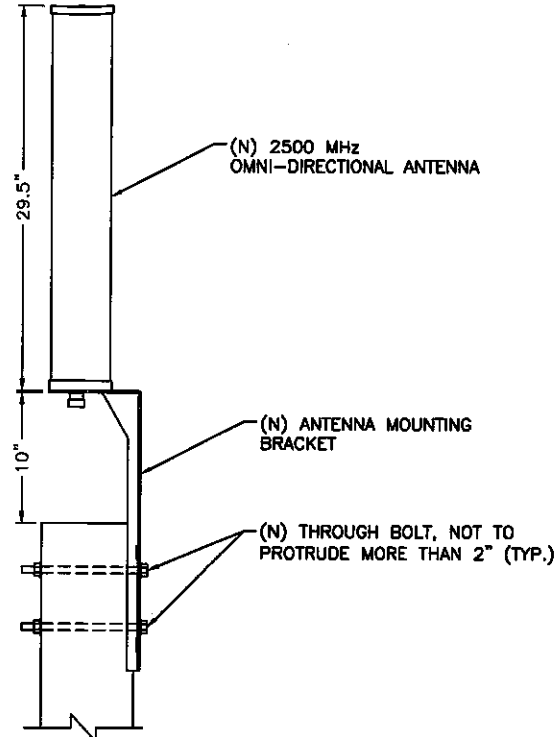
MILBANK METER SOCKET SCALE N.T.S. 12



TOP VIEW

SIDE VIEW

EQUIPMENT MOUNTING DETAIL
SCALE: NOT TO SCALE 1



NOTE:
1. MOUNTING BRACKET ACCOMMODATES POLE SIZES FROM 3" TO 10" DIAMETER.
2. JACOBS HAS NOT PERFORMED A STRUCTURAL EVALUATION FOR THE MOUNTING BRACKET. REFER TO THE MANUFACTURER FOR ADDITIONAL INFORMATION.

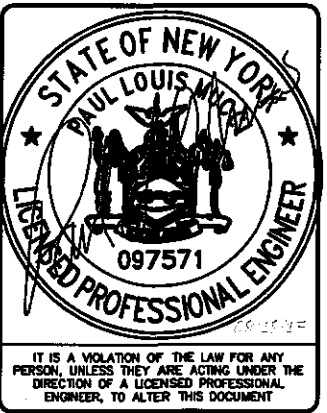
ANTENNA MOUNTING DETAIL
SCALE: NOT TO SCALE 3

mobilitie
intelligent infrastructure
3475 PIEDMONT ROAD NE
SUITE 1000
ATLANTA, GEORGIA 30305
PHONE: (312) 638-5400

PROJECT NO: ER600201
DRAWN BY: C. O'DELL
CHECKED BY: W. WEST

PRELIM - NOT FOR CONSTRUCTION

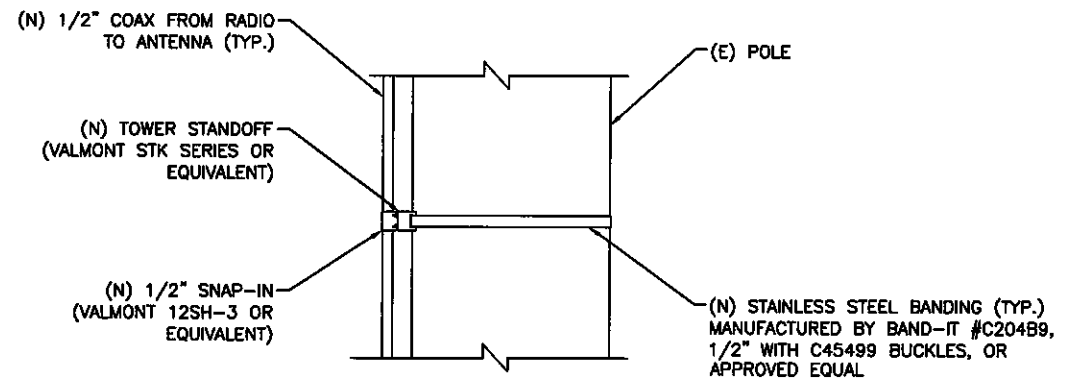
C	08.18.17	CHANGE POLE HEIGHT
B	08.08.17	POLE HEIGHT REVISION
A	06.29.17	PRELIM-NOT FOR CONSTRUCTION



NY90XSWY1A
9NYB007805A
ORR AVE &
NY-300/UNION AVE
NEWBURGH, NY 12550
UTILITY POLE

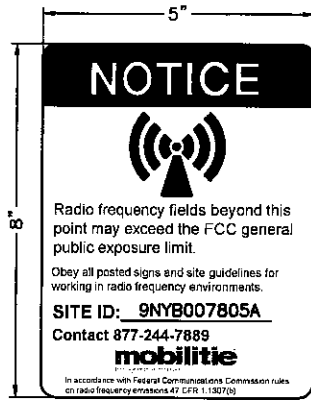
SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER
EQ-2



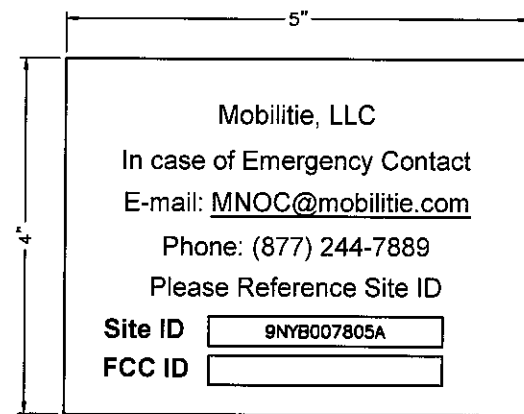
NOTE:
SPACE SNAP-INS PER
CABLE MANUFACTURER'S
SPECIFICATIONS

CABLE MOUNTING DETAIL
SCALE: NOT TO SCALE 2



ANTENNA SIGNAGE:
ON WOOD POLES - SIGN ON ALUMINUM WITH SS SCREW TO THE POLE
ON METAL POLES - ADHESIVE VINYL OR PLACARD STRAPPED WITH SS TIES
ON CONCRETE / COMPOSITE - PLACARD STRAPPED WITH SS TIES
SIGN PLACEMENT:
AFFIX TO THE STRUCTURE 3-4' BELOW THE COMMERCIAL RF ANTENNA(S)
SIZE APPROX. 8" x 5"

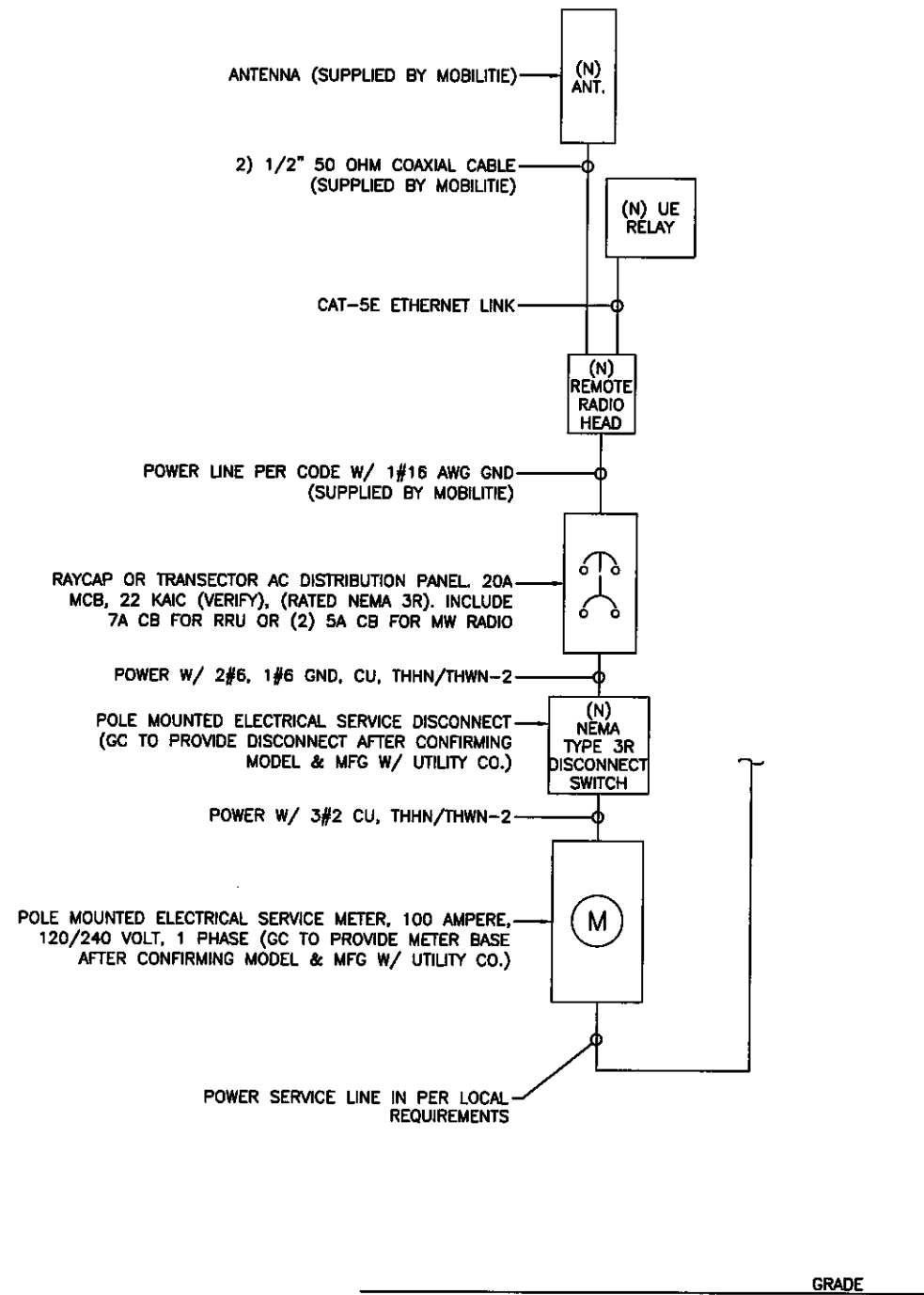
ANTENNA SIGNAGE



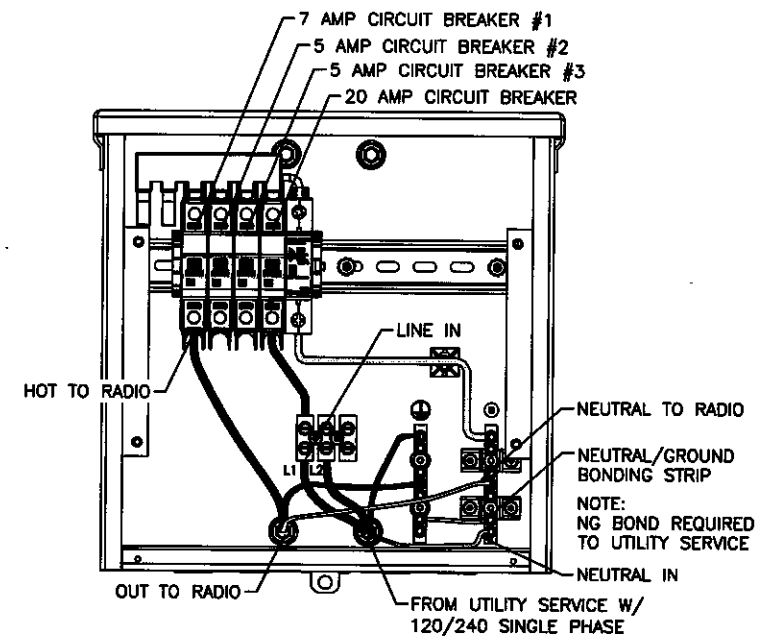
OWNER / OPERATOR NOTE:
SITE ID LABEL TO BE AFFIXED AT OR NEAR THE POINT OF POWER CONNECTION WITH TZeS241 LABELING TAPE OR EQUIVALENT BLACK ON WHITE LABELING TAPE OF AT LEAST 18mm WIDTH WITH EXTRA-STRENGTH ADHESIVE. USE ANY COMPATIBLE P-TOUCH LABEL MAKER. TEXT SHOULD BE PRINTED IN ALL CAPS WITH A MINIMUM HEIGHT OF 1/2".

EMERGENCY CONTACT SIGN

POLE MOUNTED SIGNS
SCALE: NOT TO SCALE 4



ONE-LINE DIAGRAM
SCALE: NOT TO SCALE 1



TRANSECTOR EXPORT AC DISTRIBUTION BOX

BREAKER SCHEDULE 2
SCALE: NOT TO SCALE

NOTES:

1. NOMINAL POWER IS CALCULATED AS 80% OF OEM DOCUMENTED MAXIMUM POWER.
2. CALCULATIONS FOR UE W/ NOKIA DO NOT NEED TO INCLUDE THE POWER FOR THE UE ANTENNA AS IT IS INCLUDED IN THE MAX POWER FIGURE. CALCULATIONS FOR UE W/ AIRSPAN MUST INCLUDE UE AS IT IS NOT INCLUDED
3. KVA IS CALCULATED FROM THE CONSUMPTION VALUE ASSUMING A PF=1. MAXIMUM POWER WAS USED FOR KVA. WHERE MAXIMUM WAS NOTED BY THE OEM THE QUOTED FIGURE WAS USED. WHERE AVERAGE/NOMINAL POWER WAS NOTED BY THE OEM MAXIMUM POWER WAS CALCULATED BY INCREASING AVERAGE/NOMINAL POWER BY A FACTOR OF 50%

Airspan Scenario 2 AH4000 High Power Radio and UE Backhaul

Unit	Sub Description	Max Power (W)	Max Current (A)	KVA	kWh/Yr
AirHarmony 4000	LTE Base Station	540	4.50	0.54	4730.4
Airspan IR460	UE Relay	N/A	N/A	N/A	N/A
Total		540	4.50	0.54	4730.4

LOAD CALCULATIONS 3
SCALE: NOT TO SCALE

mobilitie
intelligent infrastructure
3475 PIEDMONT ROAD NE
SUITE 1000
ATLANTA, GEORGIA 30305
PHONE: (312) 638-5400

PROJECT NO: ER600201
DRAWN BY: C. O'DELL
CHECKED BY: W. WEST

PRELIM - NOT FOR CONSTRUCTION

C	08.18.17	CHANGE POLE HEIGHT
B	08.08.17	POLE HEIGHT REVISION
A	06.29.17	PRELIM-NOT FOR CONSTRUCTION



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

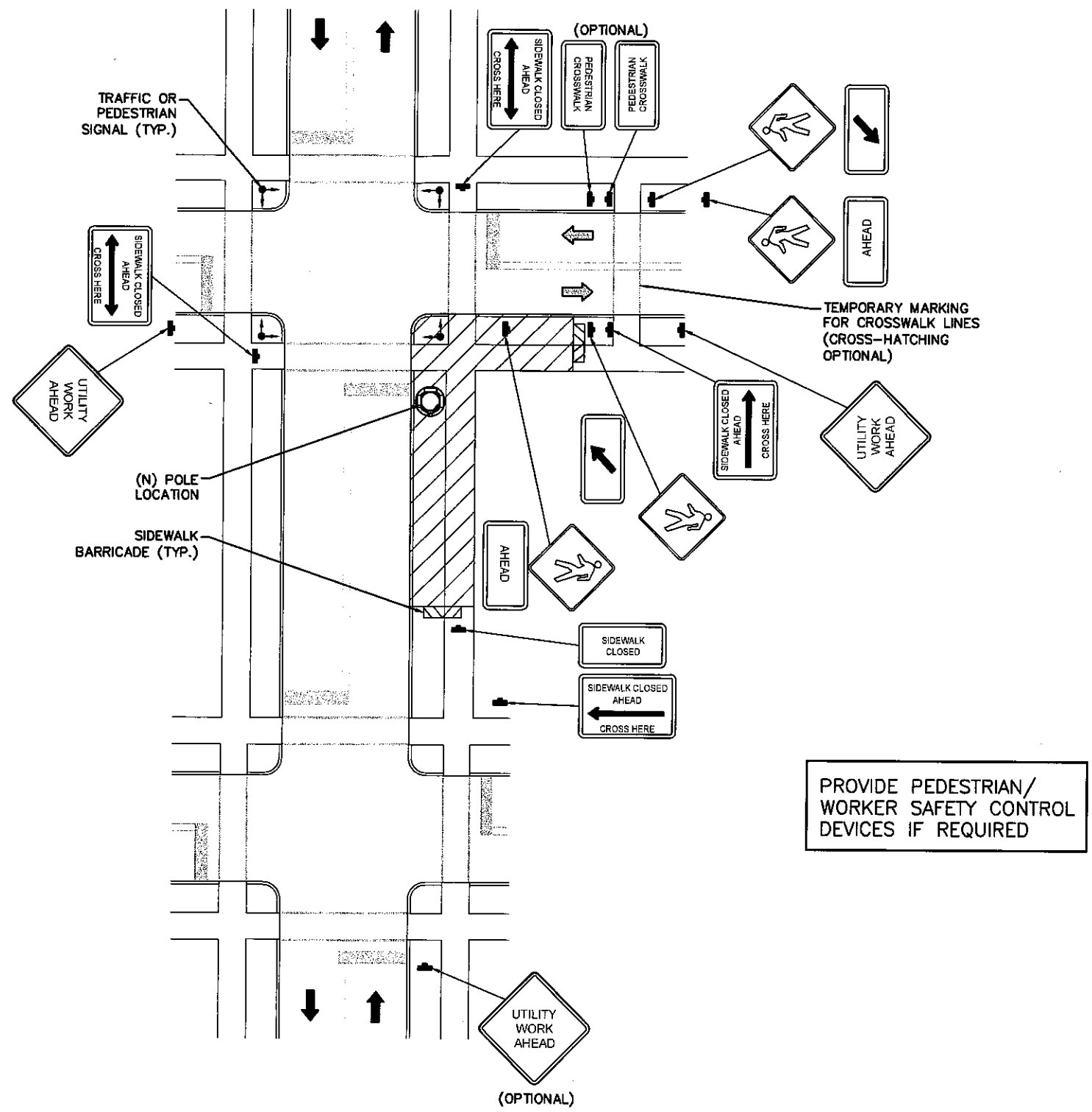
NY90XSWY1A
9NYB007805A
ORR AVE &
NY-300/UNION AVE
NEWBURGH, NY 12550
UTILITY POLE

SHEET TITLE
ELECTRICAL DETAILS

SHEET NUMBER
E-1

TRAFFIC CONTROL GENERAL NOTES

- ALL TEMPORARY TRAFFIC CONTROL SIGNAGE, LAYOUTS AND PROCEDURES SHALL COMPLY WITH LOCAL JURISDICTIONAL REQUIREMENTS AND MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION, WHICHEVER IS MORE STRINGENT.
- PRIOR TO ANY ROAD CONSTRUCTION, TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE IN PLACE.
- TRAFFIC CONTROL DEVICES FOR LANE CLOSURES INCLUDING SIGNS, CONES, BARRICADES, ETC. SHALL BE PLACED AS SHOWN ON PLANS. SIGNS SHALL NOT BE PLACED WITHOUT ACTUAL LANE CLOSURES AND SHALL BE IMMEDIATELY REMOVED UPON REMOVAL OF THE CLOSURES.
- SELECTION, PLACEMENT, MAINTENANCE, AND PROTECTION OF TRAFFIC, PEDESTRIANS, AND WORKERS SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) - PART VI "TEMPORARY TRAFFIC CONTROL", AND LOCAL JURISDICTIONAL REQUIREMENTS UNLESS OTHERWISE NOTED IN THE PLANS AND SPECIFICATIONS, AND SHALL BE APPROVED BY THE APPROPRIATE HIGHWAY AUTHORITY HAVING JURISDICTION.
- ADVANCE WARNING SIGNS, DISTANCES, AND TAPER LENGTHS MAY BE EXTENDED TO ADJUST FOR REDUCED VISIBILITY DUE TO HORIZONTAL AND VERTICAL CURVATURE OF THE ROADWAY AND FOR ACTUAL TRAFFIC SPEEDS IF IN EXCESS OF POSTED SPEED LIMITS.
- TAPERS SHALL BE LOCATED TO MAXIMIZE THE VISIBILITY OF THEIR TOTAL LENGTH.
- CONFLICTING OR NON-OPERATING SIGNAL INDICATIONS ON THE (E) TRAFFIC SIGNAL SYSTEMS SHALL BE BAGGED OR COVERED.
- ALL (E) ROAD SIGNS, PAVEMENT MARKINGS AND/OR FLOWABLE PAVEMENT REFLECTORS WHICH CONFLICT WITH THE (N) TRAFFIC CONTROL PLAN SHALL BE COVERED, REMOVED, OR RELOCATED. ALL TRAFFIC CONTROL DEVICES SHALL BE RESTORED TO MATCH PRE-CONSTRUCTION CONDITION AFTER COMPLETION OF WORK.
- CONTRACTOR SHALL CONTACT LOCAL AUTHORITY HAVING HIGHWAY JURISDICTION AND PROVIDE ADDITIONAL "FLAGMEN" OR POLICE SUPERVISION, IF REQUIRED.
- ALL EXCAVATED AREAS WITHIN OR ADJACENT TO THE ROADWAY SHALL BE BACKFILLED AND PLACED ON A MINIMUM 6H:1V SLOPE PRIOR TO END OF EACH WORK DAY. OTHER EXCAVATED AREAS WITHIN THE CLEAR ZONE ARE TO BE EITHER BACKFILLED OR PRECAST CONCRETE CURB BARRIER CONSTRUCTION BARRIER SET TEMPORARILY IN PLACE TO SHIELD VEHICULAR AND PEDESTRIAN TRAFFIC.
- WHERE DICTATED BY LOCAL CONDITIONS, THE CONTRACTOR SHALL MAKE PROVISIONS FOR MAINTAINING PEDESTRIAN AND WORKER CROSSING LOCATIONS IN ACCORDANCE WITH ALL APPLICABLE CODES AND OSHA REQUIREMENTS.
- CONSTRUCTION ZONE SPEED LIMIT IF REDUCED FROM POSTED LIMITS SHALL BE IN ACCORDANCE WITH MUTCD AND WILL BE DETERMINED BY THE AUTHORITY HAVING JURISDICTION.
- THERE SHALL BE NO WORKERS, EQUIPMENT, OR OTHER VEHICLES IN THE BUFFER SPACE OR THE ROLL AHEAD SPACE.
- DRIVEWAYS AND/OR SIDE STREETS ENTERING THE ROADWAY AFTER THE FIRST ADVANCE WARNING SIGN SHALL BE PROVIDED WITH AT LEAST ONE W20-1 SIGN (ROAD WORK AHEAD) AS A MINIMUM.
- CONES MAY BE SUBSTITUTED FOR DRUMS AND INSTALLED UPON THE APPROVAL OF THE AUTHORITY HAVING JURISDICTION PROVIDED THEY COMPLY WITH MUTCD.
- THE SPACING BETWEEN CONES, TUBULAR MARKERS, VERTICAL PANELS, DRUMS, AND BARRICADES SHOULD NOT EXCEED A DISTANCE IN FEET EQUAL TO 1.0 TIMES THE SPEED LIMIT IN MPH WHEN USED FOR TAPER CHANNELIZATION, AND A DISTANCE IN FEET EQUAL TO 2.0 TIMES THE SPEED LIMIT IN MPH WHEN USED FOR TANGENT CHANNELIZATION.
- WHEN CHANNELIZATION DEVICES HAVE THE POTENTIAL OF LEADING VEHICULAR TRAFFIC OUT OF THE INTENDED VEHICULAR TRAFFIC SPACE, THE CHANNELIZATION DEVICES SHOULD BE EXTENDED A DISTANCE IN FEET OF 2.0 TIMES THE SPEED LIMIT IN MPH BEYOND THE DOWNSTREAM END OF THE TRANSITION AREA.
- TAPER LENGTHS ARE CALCULATED AS FOLLOWS:
 $L = WS^2/60$ (40 MPH AND HIGHER) OR $L2 = WS$ (OVER 40 MPH),
 WHERE W= OFFSET WIDTH (FT), S= TRAFFIC SPEED (MPH).



mobilitie
 intelligent infrastructure
 3475 PIEDMONT ROAD NE
 SUITE 1000
 ATLANTA, GEORGIA 30305
 PHONE: (312) 638-5400

PROJECT NO: ER600201
 DRAWN BY: C. O'DELL
 CHECKED BY: W. WEST

PRELIM - NOT FOR CONSTRUCTION

C	08.18.17	CHANGE POLE HEIGHT
B	08.08.17	POLE HEIGHT REVISION
A	06.29.17	PRELIM-NOT FOR CONSTRUCTION

STATE OF NEW YORK
 PAUL LOUIS WYER
 LICENSED PROFESSIONAL ENGINEER
 097571

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

NY90XSWY1A
 9NYB007805A
 ORR AVE &
 NY-300/UNION AVE
 NEWBURGH, NY 12550
 UTILITY POLE

SHEET TITLE
PEDESTRIAN SAFETY PLAN

SHEET NUMBER
TC-2

TYPICAL PEDESTRIAN / WORKER SAFETY PLAN
 SCALE: NOT TO SCALE

GENERAL CONSTRUCTION NOTES:

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, THE LATEST ADOPTED EDITION AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
2. CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND LATEST MOBILITE CONSTRUCTION STANDARDS. THE SPECIFICATION IS THE RULING DOCUMENT AND ANY DISCREPANCIES BETWEEN THE SPECIFICATION AND THE CONSTRUCTION DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OR MOBILITE CM PRIOR TO THE COMMENCEMENT OF WORK.
3. CONTRACTOR SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE (N) WORK AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED, AS SHOWN, PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OR MOBILITE CM PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
4. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. CONTRACTOR IS REQUIRED TO FURNISH AND INSTALL ANY/ALL ITEMS FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM SUBJECT ONLY TO OWNER-SUPPLIED ITEMS. CONTRACTOR SHALL PROVIDE ANY/ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
5. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT AND APPURTENANCES, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS. OWNER PROVIDED AND CONTRACTOR INSTALLED MATERIALS WILL INCLUDE THE FOLLOWING, UNLESS NOTED OTHERWISE:
 - A) TRANSMITTER
 - B) UHF ANTENNA AND MOUNTING BRACKETS, GPS UNIT AND KU BACKHAUL
 - C) UHF COAX AND HANGERS
 - D) INTEGRATED LOAD CENTER
6. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, (E) CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ANY DISCREPANCIES TO THE ATTENTION OF THE MOBILITE CM, IN WRITING, PRIOR TO THE COMMENCEMENT OF WORK.
7. DETAILS PROVIDED ARE FOR THE PURPOSE OF SHOWING DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR SITE CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
8. CONTRACTOR SHALL PAY FOR APPLICABLE PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO ORDERING MATERIALS AND THE COMMENCEMENT OF WORK.
9. THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
10. CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
11. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING ACCEPTED INDUSTRY-STANDARD SKILLS AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
13. CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE MOBILITE CM AND SCHEDULE THEIR ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS.

14. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
15. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
16. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT (E) SURFACES, EQUIPMENT, IMPROVEMENTS, PIPING ETC. AND IMMEDIATE REPAIR, TO NEW CONDITION, ANY DAMAGE THAT OCCURS DURING CONSTRUCTION AT THE SOLE COST OF THE CONTRACTOR.
17. IN DRILLING HOLES, OR CORING, INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., MUST BE CLEARLY UNDERSTOOD THAT REINFORCING STEEL SHALL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES (UNLESS NOTED OTHERWISE). LOCATIONS OF REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE LOCATED BY THE CONTRACTOR USING APPROPRIATE METHODS AND EQUIPMENT PRIOR TO ANY DRILLING OR CORING OPERATIONS IN (E) CONCRETE.
18. CONTRACTOR SHALL REPAIR, TO NEW CONDITION, ALL (E) WALL SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACES.
19. CONTRACTOR SHALL SEAL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES OR MATERIALS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS AND SYSTEMS THAT MEET OR EXCEED THE RATING OF THE ASSEMBLY IN WHICH THE NEW PENETRATION IS PLACED.
20. CONTRACTOR SHALL KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
21. MINIMUM BEND RADIUS OF ANTENNA CABLES SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURERS RECOMMENDATIONS.
22. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO (E) SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION SHALL BE IN CONFORMANCE WITH JURISDICTIONAL OR STATE AND LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL AND COORDINATED WITH LOCAL REGULATORY AUTHORITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ANY EROSION CONTROL MEASURES, RECORD-KEEPING, MONITORING, AND REPORTING TO THE OWNER AND REGULATORY AUTHORITIES.
23. ALL CONSTRUCTION WORK IS TO ADHERE TO APPLICANT'S INTEGRATED CONSTRUCTION STANDARDS UNLESS STATE OR LOCAL CODE IS MORE STRINGENT.
24. THE INTENT OF THE PLANS AND SPECIFICATIONS IS TO PERFORM THE CONSTRUCTION IN ACCORDANCE PER STATE BUILDING STANDARDS CODE AND STATE CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISHED WORK WILL NOT COMPLY PER STATE CODE OF REGULATIONS, A SCOPE OF WORK DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE JURISDICTION BEFORE PROCEEDING WITH THE WORK. A CHANGE ORDER FOR THAT SCOPE SHALL BE SUBMITTED TO THE MOBILITE CM PRIOR TO PROCEEDING WITH THE WORK.
25. ADEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED BY THE CONTRACTOR FOR PROTECTION AGAINST PUBLIC LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK.
26. CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE. ANY CORRECTIVE WORK SHALL BE COMPLETED AT THE SOLE COST OF THE CONTRACTOR.

ELECTRICAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE W/DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY MOBILITE CM AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE MOBILITE CM HAS DIRECTED THE CORRECTIVE ACTIONS TO BE TAKEN.

2. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. ALL (E) CONDITIONS OF ELECTRICAL EQUIP., ETC., THAT ARE PART OF THE FINAL SYSTEM, SHALL BE VERIFIED BY THE CONTRACTOR, PRIOR TO THE SUBMITTING OF THEIR BID. FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC, ALL CODES AND ORDINANCES OF THE LOCAL JURISDICTION, AND POWER & TELEPHONE COMPANIES HAVING JURISDICTION AND SHALL INCLUDE BUT ARE NOT BE LIMITED TO:
 - A) UL - UNDERWRITERS LABORATORIES
 - B) NEC - NATIONAL ELECTRICAL CODE
 - C) NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
 - D) OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT
 - E) SBC - STANDARD BUILDING CODE
 - F) NFPA - NATIONAL FIRE PROTECTION AGENCY
 - G) ANSI - AMERICAN NATIONAL STANDARDS INSTITUTE
 - H) IEEE - INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
 - I) ASTM - AMERICAN SOCIETY FOR TESTING MATERIALS
4. REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, AND CONFIRM WITH MOBILITE CM ANY SIZES AND LOCATIONS WHEN NEEDED.
5. (E) SERVICES: CONTRACTOR SHALL NOT INTERRUPT (E) SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
6. CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE OWNERS' CONFIRMATION, ETC... ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE MOBILITE CM, PRIOR TO BEGINNING ANY WORK.
7. MINIMUM WIRE SIZE SHALL BE #12 AWG, NOT INCLUDING CONTROL WIRING, UNLESS NOTED OTHERWISE. ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION, UNLESS OTHERWISE NOTED.
8. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
9. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
10. ELECTRICAL SYSTEM SHALL BE AS COMPLETELY AND EFFECTIVELY GROUNDED, AS REQUIRED BY SPECIFICATIONS, SET FORTH BY APPLICANT.
11. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY FUNCTIONAL AND SHALL BE APPROVED BY THE MOBILITE CM AND LOCAL JURISDICTION. ANY DEFICIENCIES SHALL BE CORRECTED BY AN ELECTRICAL CONTRACTOR AT THE SOLE COST OF THE CONTRACTOR.
12. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.

mobilitie
intelligent infrastructure

3475 PIEDMONT ROAD NE
SUITE 1000
ATLANTA, GEORGIA 30305
PHONE: (312) 638-5400

PROJECT NO: ER600201
DRAWN BY: C. O'DELL
CHECKED BY: W. WEST

PRELIM - NOT FOR CONSTRUCTION

C	08.18.17	CHANGE POLE HEIGHT
B	08.08.17	POLE HEIGHT REVISION
A	06.29.17	PRELIM-NOT FOR CONSTRUCTION



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

NY90XSWY1A
9NYB007805A
ORR AVE &
NY-300/UNION AVE
NEWBURGH, NY 12550
UTILITY POLE

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-1

ELECTRICAL NOTES CONT'D

13. THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED BY THE CONTRACTOR WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT OR THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREIN.
14. CONTRACTOR SHALL PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES AND DEVICES FOR ALL OUTLETS AS INDICATED.
15. DITCHING AND BACK FILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION. REFER TO NOTES AND REQUIREMENTS 'EXCAVATION, AND BACKFILLING.
16. MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IECE.
17. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURER'S CATALOG INFORMATION OF ANY/ALL EQUIPMENT AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE MOBILITIE CM PRIOR TO INSTALLATION.
18. ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTION OF THE MOBILITIE CM UPON FINAL ACCEPTANCE.
19. THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPEWRITTEN DIRECTORIES. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
20. DISCONNECT SWITCHES SHALL BE UL-RATED, H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
21. ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND KNOWN AS "NO-OXIDE A" BY DEARBORNE CHEMICAL CO. COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED - NO SUBSTITUTIONS.
22. RACEWAYS: CONDUIT SHALL BE SCHEDULE 80 PVC MEETING OR EXCEEDING NEMA TC2 - 1990. CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 2 FT. RADIUS. RGS CONDUITS WHEN SPECIFIED, SHALL MEET UL-6 FOR GALVANIZED STEEL. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. COAT ALL THREADS WITH 'BRITZ ZINC' OR 'COLD GALV'.
23. SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY NEC.
24. CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER WITH TYPE THWN INSULATION, UNLESS OTHERWISE NOTED, 600 VOLT, COLOR CODED. USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG. USE STRANDED CONDUCTORS FOR WIRE ABOVE NO. 8 AWG.
25. CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.
26. SERVICE: AS SPECIFIED ON THE DRAWINGS. OWNER OR OWNER'S AGENT WILL APPLY FOR POWER. ALL PROVISIONS FOR TEMPORARY POWER WILL BE OBTAINED BY THE CONTRACTOR.
27. TELEPHONE OR FIBER SERVICE: CONTRACTOR SHALL PROVIDE EMPTY CONDUITS WITH PULL STRINGS AS INDICATED ON DRAWINGS.
28. ELECTRICAL AND TELCO/FIBER RACEWAYS TO BE BURIED A MINIMUM DEPTH OF 30", UNLESS OTHERWISE NOTED.
29. CONTRACTOR SHALL PLACE 6" WIDE DETECTABLE WARNING TAPE AT A DEPTH OF 6" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL AND TELCO SERVICE CONDUITS. CAUTIONS TAPE TO READ "CAUTION BURIED ELECTRIC" OR "BURIED TELECOM".
30. ALL BOLTS SHALL BE 3-16 STAINLESS STEEL.

GROUNDING NOTES:

1. ALL HARDWARE SHALL BE 3-16 STAINLESS STEEL, INCLUDING LOCK WASHERS. COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND, AS SPECIFIED, BEFORE MATING. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8 INCH DIAMETER OR SIZED TO MATCH COMPONENTS OR LOG SIZE.
2. FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
3. ALL STEEL CONDUIT SHALL BE BONDED AT BOTH ENDS WITH GROUNDING BUSHING.
4. ALL ELECTRICAL AND GROUNDING AT THE POLE SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 780 (LATEST EDITION), AND MANUFACTURER.
5. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
6. GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING #6 GROUND WIRES. FOLLOW ANTENNA AND BTS MANUFACTURER'S PRACTICES FOR GROUNDING REQUIREMENTS.
7. ALL GROUND CONNECTIONS SHALL BE #6 AWG, UNLESS OTHERWISE NOTED. USE SOLID COPPER, BLACK JACKETED WIRE ON NON WOOD POLES AND SOLID TINNED COPPER, BARE (NO JACKET) WIRES ON WOOD POLES. BLACK WIRES WILL USE A SINGLE STRIPE OF GREEN ELECTRICAL TAPE WITHING 12" OF THE CONNECTION POINTS TO IDENTIFY AS GROUNDING WIRE.
8. NOTIFY ARCHITECT/ENGINEER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
9. ALL HORIZONTALLY RUN GROUNDING CONDUCTORS SHALL BE INSTALLED A MINIMUM OF 30" BELOW GRADE/ 6" BELOW FROST-LINE IN TRENCH, UNLESS OTHERWISE NOTED. BACK FILL SHALL BE COMPACTED AS REQUIRED BY ARCHITECT/ENGINEER.
10. ALL GROUND CONDUCTORS SHALL BE RUN AS STRAIGHT AND SHORT AS POSSIBLE, WITH A MINIMUM 12" BENDING RADIUS NOT LESS THAN 90 DEGREES.
11. ACCEPTABLE CONNECTIONS FOR GROUNDING SYSTEM SHALL BE:
 - A. BURNDY, HY-GRADE U.L. LISTED CONNECTORS FOR OUTDOOR USE OR AS APPROVED BY APPLICANT PROJECT MANAGER.
 - B. CADWELD, EXOTHERMIC WELDS (WELDED CONNECTIONS).
 - C. ONE (1) OR (2) HOLES TINNED COPPER COMPRESSION (LONG BARREL) FITTINGS.
12. ALL CRIMPED CONNECTIONS SHALL HAVE EMBOSSED MANUFACTURER'S DIEMARK VISIBLE AT THE CRIMP (RESULTING FROM USE OF PROPER CRIMPING DEVICES) AND WEATHER-PROOFED WITH HEAT SHRINK.
13. ALL CONNECTION HARDWARE SHALL BE TYPE 3-16 STAINLESS STEEL (NOT ATTRACTED TO MAGNETS).
14. ELECTRICAL SERVICE EQUIPMENT GROUNDING SHALL COMPLY WITH NEC, ARTICLE 250-82 AND SHALL BOND ALL (E) AND NEW GROUNDING ELECTRODES. NEW GROUNDING ELECTRODE SHALL INCLUDE BUT NOT LIMITED TO GROUND RODS.

TESTING AND EQUIPMENT TURN UP REQUIREMENTS:

1. RF CABLE, DATA CABLE, RADIO EQUIPMENT AND BACK HAUL EQUIPMENT TESTING WILL COMPLY WITH CURRENT INDUSTRY STANDARDS AND OR THOSE STANDARDS OF THE EQUIPMENT MANUFACTURER OR PROVIDED TO THE CONTRACTOR PRIOR TO TESTING.
2. CONTRACTOR WILL USE THE APPROPRIATE CALIBRATED TESTING EQUIPMENT IN THE TESTING OF RF CABLE, DATA CABLE, RADIO EQUIPMENT AND BACK HAUL EQUIPMENT THAT MEET INDUSTRY STANDARDS OF THE MANUFACTURER OR THOSE STANDARDS PROVIDED TO THE CONTRACTOR PRIOR TO TESTING.

3. CONTRACTOR TO VERIFY AND RECORD ALL TEST RESULTS AND PROVIDE THESE RESULTS WITHIN THE FINAL CLOSE OUT PACKAGE.
4. ALL PERSONNEL INVOLVED IN THE TESTING OF RF CABLE, DATA CABLE, RADIO EQUIPMENT AND BACK HAUL EQUIPMENT WILL BE REQUIRED TO HAVE BEEN TRAINED AND OR CERTIFIED IN THE PROPER TESTING OF RF CABLE, DATA CABLE, RADIO EQUIPMENT AND BACK HAUL EQUIPMENT.
5. ALL TEST RESULTS SHALL BE TIME STAMPED, RECORDED AND PRESENTED PRIOR TO ENERGIZING AND TURN UP OF ANY EQUIPMENT.
6. GPS EQUIPMENT (WHEN REQUIRED) IS NOT TO BE TESTED OR ATTACHED TO ANY CABLING DURING TESTING, DOING SO WILL DAMAGE THE GPS UNIT.
7. PRIOR TO TESTING IF THE CONTRACTOR HAS ANY QUESTIONS ABOUT THE TESTING PROCEDURES THEY ARE TO CALL AND OBTAIN ASSISTANCE FROM A QUALIFIED DESIGNATED TESTING REPRESENTATIVE.
8. EQUIPMENT IS NOT TO BE ENERGIZED UNTIL ALL TESTING HAS BEEN COMPLETED, APPROVED AND THE APPROPRIATE AUTHORITY HAS BEEN NOTIFIED AND GIVES APPROVAL TO ENERGIZE THE EQUIPMENT.

SITE WORK NOTES:

1. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
2. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-BUILT DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO ARCHITECT/ENGINEER AT COMPLETION OF PROJECT.
3. ALL (E) UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL (E) UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING (E) UTILITIES.
4. CONTRACTOR SHALL VERIFY ALL (E) UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER OR MOBILITIE CM FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT THEIR OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL UTILITY LOCATE HOT LINE, SUCH AS 811, FOR UTILITY LOCATIONS A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.
5. ALL NEW AND (E) UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK. ANY COST RELATED TO ADJUSTING (E) STRUCTURES SHALL BE BORNE SOLELY BY THE CONTRACTOR.
6. GRADING OF THE SITE WORK AREA IS TO BE SMOOTH AND CONTINUOUS IN SLOPE AND IS TO FEATHER INTO (E) GRADES AT THE GRADING LIMITS.
7. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.

mobilitie
intelligent infrastructure

3475 PIEDMONT ROAD NE
SUITE 1000
ATLANTA, GEORGIA 30305
PHONE: (312) 638-5400

PROJECT NO: ER800201
DRAWN BY: C. O'DELL
CHECKED BY: W. WEST

PRELIM - NOT FOR CONSTRUCTION

C	08.18.17	CHANGE POLE HEIGHT
B	08.08.17	POLE HEIGHT REVISION
A	06.29.17	PRELIM-NOT FOR CONSTRUCTION



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

NY90XSWY1A
9NYB007805A
ORR AVE &
NY-300/UNION AVE
NEWBURGH, NY 12550
UTILITY POLE

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2

SITE WORK NOTES CONT'D

8. STRUCTURAL FILLS SUPPORTING PAVEMENTS SHALL BE COMPACTED TO 95% OF MAXIMUM STANDARD PROCTOR DRY DENSITY, UNLESS OTHERWISE NOTED.
9. NEW GRADES NOT IN BUILDING AND DRIVEWAY IMPROVEMENT AREA TO BE ACHIEVED BY FILLING WITH APPROVED CLEAN FILL AND COMPACTED TO 95% OF STANDARD PROCTOR DENSITY.
10. ALL FILL SHALL BE PLACED IN UNIFORM LIFTS. THE LIFTS THICKNESS SHOULD NOT EXCEED THAT WHICH CAN BE PROPERLY COMPACTED THROUGHOUT ITS ENTIRE DEPTH WITH THE EQUIPMENT AVAILABLE.
11. ANY FILLS PLACED ON (E) SLOPES THAT ARE STEEPER THAN 10 HORIZONTAL TO 1 VERTICAL SHALL BE PROPERLY BENCHED INTO THE (E) SLOPE AS DIRECTED BY A GEOTECHNICAL ENGINEER.
12. CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO DEBRIS, PAPER, TRASH, WEEDS, BRUSH, EXCESS FILL, OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
13. ALL TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH THE IMPROVEMENTS SHALL BE PROTECTED BY THE GENERAL CONTRACTOR.
14. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

ENVIRONMENTAL NOTES:

1. ALL WORK PERFORMED SHALL BE DONE IN ACCORDANCE WITH ISSUED PERMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF FINES AND PROPER CLEAN UP FOR AREAS IN VIOLATION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION FOR PROTECTION OF ADJACENT PROPERTIES, ROADWAYS AND WATERWAYS. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE MAINTAINED IN PLACE THROUGH FINAL JURISDICTIONAL INSPECTION & RELEASE OF SITE.
3. CONTRACTOR SHALL INSTALL/CONSTRUCT ALL NECESSARY SEDIMENT/SILT CONTROL FENCING AND PROTECTIVE MEASURES AS REQUIRED BY THE LOCAL JURISDICTION WITHIN THE LIMITS OF SITE DISTURBANCE PRIOR TO CONSTRUCTION.
4. NO SEDIMENT SHALL BE ALLOWED TO EXIT THE PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR TAKING ADEQUATE MEASURES FOR CONTROLLING EROSION. ADDITIONAL SEDIMENT CONTROL FENCING MAY BE REQUIRED IN ANY AREAS SUBJECT TO EROSION.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES WITH SILT AND EROSION CONTROL MEASURES MAINTAINED ON THE DOWNSTREAM SIDE OF SITE DRAINAGE. ANY DAMAGE TO ADJACENT PROPERTY AS A RESULT OF EROSION WILL BE CORRECTED AT THE CONTRACTORS EXPENSE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS AND ANY REPAIRS OF ALL SEDIMENT CONTROL MEASURES INCLUDING SEDIMENT REMOVAL AS NECESSARY.
7. CLEARING OF VEGETATION AND TREE REMOVAL SHALL BE ONLY AS PERMITTED AND BE HELD TO A MINIMUM. ONLY TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED.
8. SEEDING AND MULCHING AND/OR SODDING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE PROJECT FACILITIES AFFECTING LAND DISTURBANCE.
9. CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL, COUNTY AND STATE CODES AND ORDINANCES TO PROTECT EMBANKMENTS FROM SOIL LOSS AND TO PREVENT ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE, BUT IS NOT LIMITED TO SUCH MEASURES AS SILT FENCES, STRAW BALE SEDIMENT BARRIERS, AND CHECK DAMS.
10. RIP RAP OF SIZES INDICATED SHALL CONSIST OF CLEAN, HARD, SOUND, DURABLE, UNIFORM IN QUALITY STONE FREE OF ANY DETRIMENTAL QUANTITY OF SOFT, FRIABLE, THIN, ELONGATED OR LAMINATED PIECES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI, OR OTHER DELETERIOUS SUBSTANCES.

11. GC TO PLACE FILTER MATERIAL AT ALL CATCH BASINS ADJACENT TO CONSTRUCTION SITE TO PREVENT SOLID WASTE CONTAMINATION FROM ENTERING SEWER SYSTEM

FOUNDATION, EXCAVATION AND BACKFILL NOTES:

1. ALL FINAL GRADED SLOPES SHALL BE A MAXIMUM OF 3 HORIZONTAL TO 1 VERTICAL, UNLESS OTHERWISE NOTED.
2. BACKFILL OF THE POLES SHALL BE PERFORMED BASED ON THE WATER TABLE. FLOWABLE FILL MIXTURES PURCHASED FROM CONCRETE PLANTS WILL BE USED INSTEAD OF FOAM IN WATER TABLE AREAS.
 - A: NORMAL SOILS ORDER OF PREFERENCE - FOAM, FLOWABLE FILL, CONCRETE, COMPACTED AGGREGATES
 - B: HIGH WATER TABLE SOILS ORDER OF PREFERENCES - FLOWABLE FILL, CONCRETE, COMPACTED AGGREGATES.
3. ALL EXCAVATIONS PREPARED FOR PLACEMENT OF CONCRETE SHALL BE OF UNDISTURBED SOILS, SUBSTANTIALLY HORIZONTAL AND FREE FROM ANY LOOSE, UNSUITABLE MATERIAL OR FROZEN SOILS, AND WITHOUT THE PRESENCE OF POUNDING WATER. DEWATERING FOR EXCESS GROUND WATER SHALL BE PROVIDED WHEN REQUIRED. COMPACTION OF SOILS UNDER CONCRETE PAD FOUNDATIONS SHALL NOT BE LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR THE SOIL IN ACCORDANCE WITH ASTM D1557.
4. CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC OR UNSUITABLE MATERIAL. IF ADEQUATE BEARING CAPACITY IS NOT ACHIEVED AT THE DESIGNED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION SHALL BE FILLED WITH CONCRETE OF THE SAME TYPE SPECIFIED FOR THE FOUNDATION. CRUSHED LIME STONE #57 MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. ANY STONE SUB BASE MATERIAL, IF USED, SHALL NOT SUBSTITUTE FOR REQUIRED THICKNESS OF CONCRETE.
5. ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH PRIOR TO BACK FILLING. BACK FILL SHALL CONSIST OF APPROVED MATERIALS SUCH AS EARTH, LOAM, SANDY CLAY, SAND AND GRAVEL, OR SOFT SHALE, FREE FROM CLODS OR LARGE STONES OVER 2 1/2" MAX DIMENSIONS. ALL BACK FILL SHALL BE PLACED IN COMPACTED LAYERS.
6. ALL FILL MATERIALS AND FOUNDATION BACK FILL SHALL BE PLACED IN MAXIMUM 6" THICK LIFTS BEFORE COMPACTION. EACH LIFT SHALL BE WETTED IF REQUIRED AND COMPACTED TO NOT LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR SOIL IN ACCORDANCE WITH ASTM D1557.
7. NEWLY PLACED CONCRETE FOUNDATIONS SHALL CURE A MINIMUM OF 72 HRS PRIOR TO BACK FILLING.
8. FINISHED GRADING SHALL BE SLOPED TO PROVIDE POSITIVE DRAINAGE AND PREVENT STANDING WATER. THE FINAL (FINISH) ELEVATION OF SLAB FOUNDATIONS SHALL SLOPE AWAY IN ALL DIRECTIONS FROM THE CENTER. FINISH GRADE OF CONCRETE PADS SHALL BE A MAXIMUM OF 4 INCHES ABOVE FINAL FINISH GRADE ELEVATIONS. PROVIDE SURFACE FILL GRAVEL TO ESTABLISH SPECIFIED ELEVATIONS WHERE REQUIRED.
9. NEWLY GRADED GRAVEL SURFACE AREAS TO RECEIVE GRAVEL SHALL BE COVERED WITH GEOTEXTILE FABRIC TYPE: TYPAR-3401 AS MANUFACTURED BY TYPAR GEOSYNTHETICS OR AN APPROVED EQUIVALENT, SHOWN ON PLANS. THE GEOTEXTILE FABRIC SHALL BE BLACK IN COLOR TO CONTROL THE RECURRENCE OF VEGETATIVE GROWTH AND EXTEND TO WITHIN 1 FOOT OUTSIDE THE SITE FENCING OR ELECTRICAL GROUNDING SYSTEM PERIMETER WHICH EVER IS GREATER. ALL FABRIC SHALL BE COVERED WITH A MINIMUM OF 4" DEEP COMPACTED STONE OR GRAVEL AS SPECIFIED. I.E. FDOT TYPE NO. 57 FOR FENCED COMPOUND; FDOT TYPE NO. 67 FOR ACCESS DRIVE AREA, UNLESS OTHERWISE NOTED.
10. IN ALL AREAS TO RECEIVE FILL: REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE. FLOW STRIP OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SUCH THAT FILL MATERIAL WILL BIND WITH (E)/PREPARED SOIL SURFACE.
11. WHEN SUB GRADE OR PREPARED GROUND SURFACE HAS A DENSITY LESS THAN THAT REQUIRED FOR THE FILL MATERIAL, SCARIFY THE GROUND SURFACE TO DEPTH REQUIRED, PULVERIZE, MOISTURE-CONDITION AND/OR AERATE THE SOILS AND RECOMPACT TO THE REQUIRED DENSITY PRIOR TO PLACEMENT OF FILLS.

12. IN AREAS WHICH (E) GRAVEL SURFACING IS REMOVED OR DISTURBED DURING CONSTRUCTION OPERATIONS, REPLACE GRAVEL SURFACING TO MATCH ADJACENT GRAVEL SURFACING AND RESTORED TO THE SAME THICKNESS AND COMPACTION AS SPECIFIED. ALL RESTORED GRAVEL SURFACING SHALL BE FREE FROM CORRUGATIONS AND WAVES.

13. (E) GRAVEL SURFACING MAY NOT BE REUSED.
14. GRAVEL SUB SURFACE SHALL BE PREPARED TO REQUIRED COMPACTION AND SUB GRADE ELEVATIONS BEFORE GRAVEL SURFACING IS PLACED AND/OR RESTORED. ANY LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED AND ANY DEPRESSIONS IN THE SUB GRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. GRAVEL SURFACING MATERIAL SHALL NOT BE USED FOR FILLING DEPRESSIONS IN THE SUB GRADE.
15. PROTECT (E) GRAVEL SURFACING AND SUB GRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING 'MATTS' OR OTHER SUITABLE PROTECTION DESIGNED TO SPREAD EQUIPMENT LOADS AS MAY BE NECESSARY. REPAIR ANY DAMAGE TO (E) GRAVEL SURFACING OR SUB GRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTORS OPERATIONS.
16. DAMAGE TO (E) STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTORS NEGLIGENCE SHALL BE REPAIRED AND/ OR REPLACED TO THE OWNERS SATISFACTION AT NO ADDITIONAL COST TO THE CONTRACT.
17. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES AT NO ADDITIONAL COST TO THE CONTRACT.

mobilitie
intelligent infrastructure

3475 PIEDMONT ROAD NE
SUITE 1000
ATLANTA, GEORGIA 30305
PHONE: (312) 638-5400

PROJECT NO: ER600201
DRAWN BY: C. O'DELL
CHECKED BY: W. WEST

PRELIM - NOT FOR CONSTRUCTION

C	08.18.17	CHANGE POLE HEIGHT
B	08.08.17	POLE HEIGHT REVISION
A	06.29.17	PRELIM-NOT FOR CONSTRUCTION



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

NY90XSWY1A
9NYB007805A
ORR AVE &
NY-300/UNION AVE
NEWBURGH, NY 12550
UTILITY POLE

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-3