City of Bellevue
Development Services Department
Land Use Division Staff Report

Proposal Name:	Verizon Archerline "Small Cell" Wireless Communications Facility
Proposal Address:	17 Locations – North Bellevue Subarea
Proposal Description:	Administrative Conditional Use approval for a "small cell" wireless network which includes placing two "small cell" antennas, two "small cell" radio units in one radio unit enclosure, and aerial fiber on 17 existing Puget Sound Energy (PSE) utility poles. Five of the 17 poles will be replaced with taller poles.
File Number:	16-129490-LA Administrative Conditional Use
Applicant:	MD7, LLC representing Verizon Lori Chase Nieuwenhuis
Decisions Included:	Administrative Conditional Use Approval (Process II, Land Use Code 20.30E)
Planner:	Sally Nichols, Senior Planner
State Environmental Policy Act Threshold Determination:	**EXEMPT**
Director's Recommendation:	**Approval with Conditions** Michael A. Brennan, Director Development Services Department By: Carol V Helland Carol V. Helland, Land Use Director

Notice of Application:	May 23, 2013 (Design Review/SEPA) & December 12, 2013 (Variance
Notice of Decision:	October 27, 2016
Appeal Deadline:	November 10, 2016

For information on how to appeal a proposal, visit the Development Services Center at City Hall or call (425) 452-6800. Appeal of the Decision must be received in the City Clerk's Office by 5 PM on the date noted for appeal of the decision.

I. Request/Proposal Description

A. Request

The applicant (Verizon) is requesting Administrative Conditional Use approval to construct a “small cell” network in the North Bellevue Subarea. The network will be made up of 17 nodes with each node placed on a Puget Sound Energy (PSE) utility pole. Five of the 17 existing utility poles will require replacement with taller wood poles to accommodate coverage objectives. Each node consists of two “small cell” antennas, two remote radio units (RRU) in one RRU enclosure, and aerial fiber (wire) that will connect all the nodes of the entire 17 node network back to the associated “macrocell” site (backhaul). There will be no ground-mounted equipment at any of the nodes.

This existing “macrocell” site is located at 1111 102nd Avenue NE and it was approved under previous Land Use reviews. No additional equipment will be required at this “macrocell” site

“Small cells” are a new way of providing faster data coverage and capacity for mobile phone and device users. Unlike the “marcocell” sites currently used throughout Bellevue, “small cells” target much smaller coverage areas by using smaller antennas and associated equipment. Within neighborhoods such as North Bellevue, the “small cell” network is being proposed to provide service to residential customers in neighborhoods that were identified as needing additional coverage and/or capacity. **Refer to coverage map in Attachment A and in the project file.** Coverage is typically hindered by topography and mature trees – both of which are found in the North Bellevue Subarea. With “small cell” installations, the actual coverage area for each facility (pole/node) is relatively small as compared to the more common “macrocells.” Thus, the installations must be placed close to the customers – meaning more nodes spaced closer together within a larger neighborhood.

B. Process:

The proposed project to construct 17 new wireless installations on PSE utility poles in the right of way must undergo a publicly noticed administrative review process. Because none of the proposed installations are within 520 feet of each other or within 520 feet of any other WCF located either in the public right-of-way or on property owned by the City, the proposal will require review as a new Administrative Conditional Use (ACU) instead of a full Conditional Use. Per WAC 197-11-800 (25)(a)(i), the proposal is EXEMPT from State Environmental Policy Act (SEPA) review.

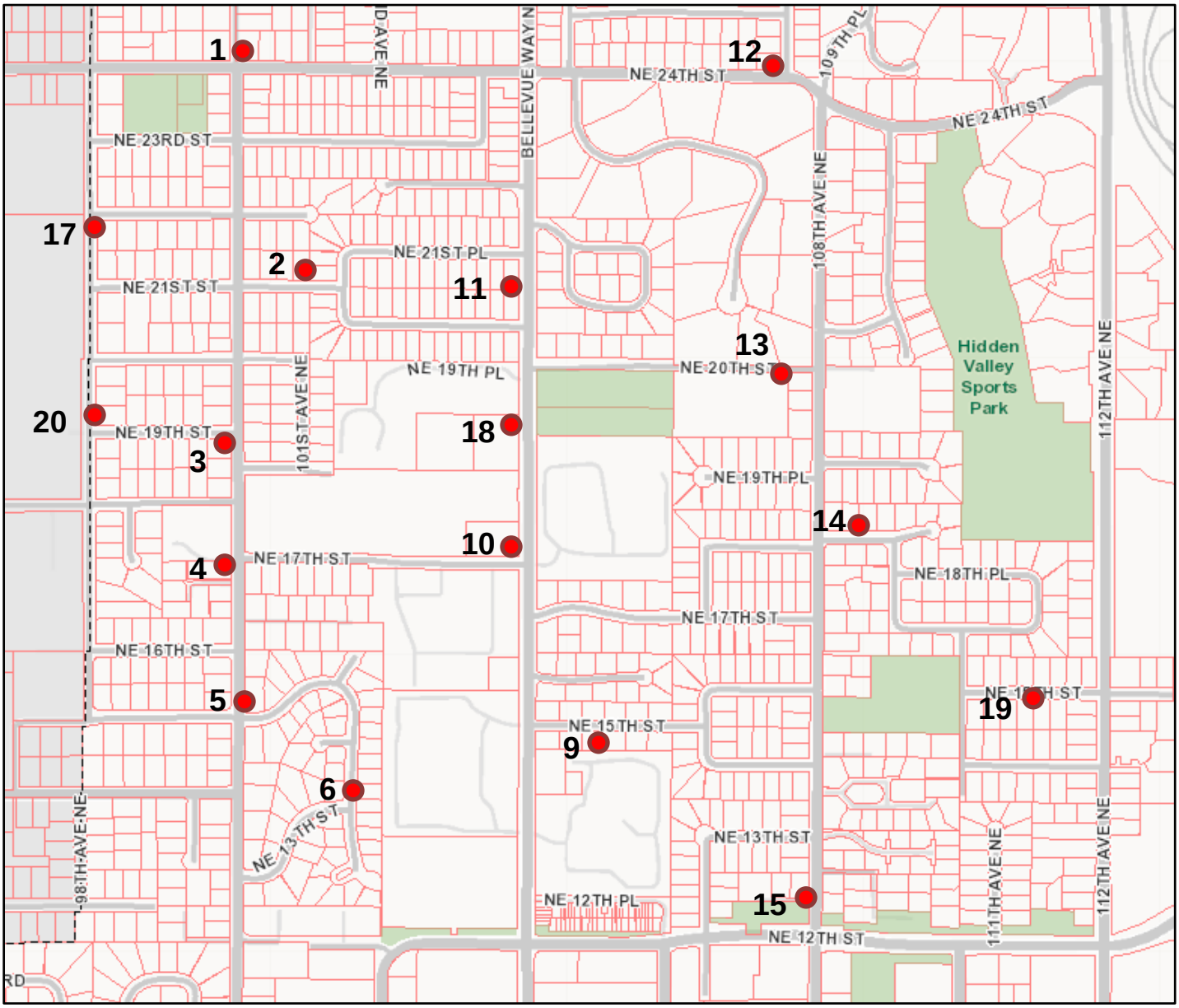
The ACU review and approval is a Process II decision made by the Director of the Development Services Department. The review includes public noticing with a minimum 14-day comment period. At the Director’s discretion, a public meeting may be held. The Director’s decision shall be written in a staff report to indicate whether the application has been approved, approved with conditions, or denied. The decision will be publicly noticed with a mandatory 14-day appeal period. A Process II decision may be appealed and the appeal shall be heard at a public hearing before the City Hearing Examiner.

II. Site Description and Zoning

A. Site Description:

The proposed Archerline installations are to be located on existing PSE utility poles in the North Bellevue Subarea. All of the poles are in the public right of way.

Node Locations



● Denotes each existing utility pole and node.

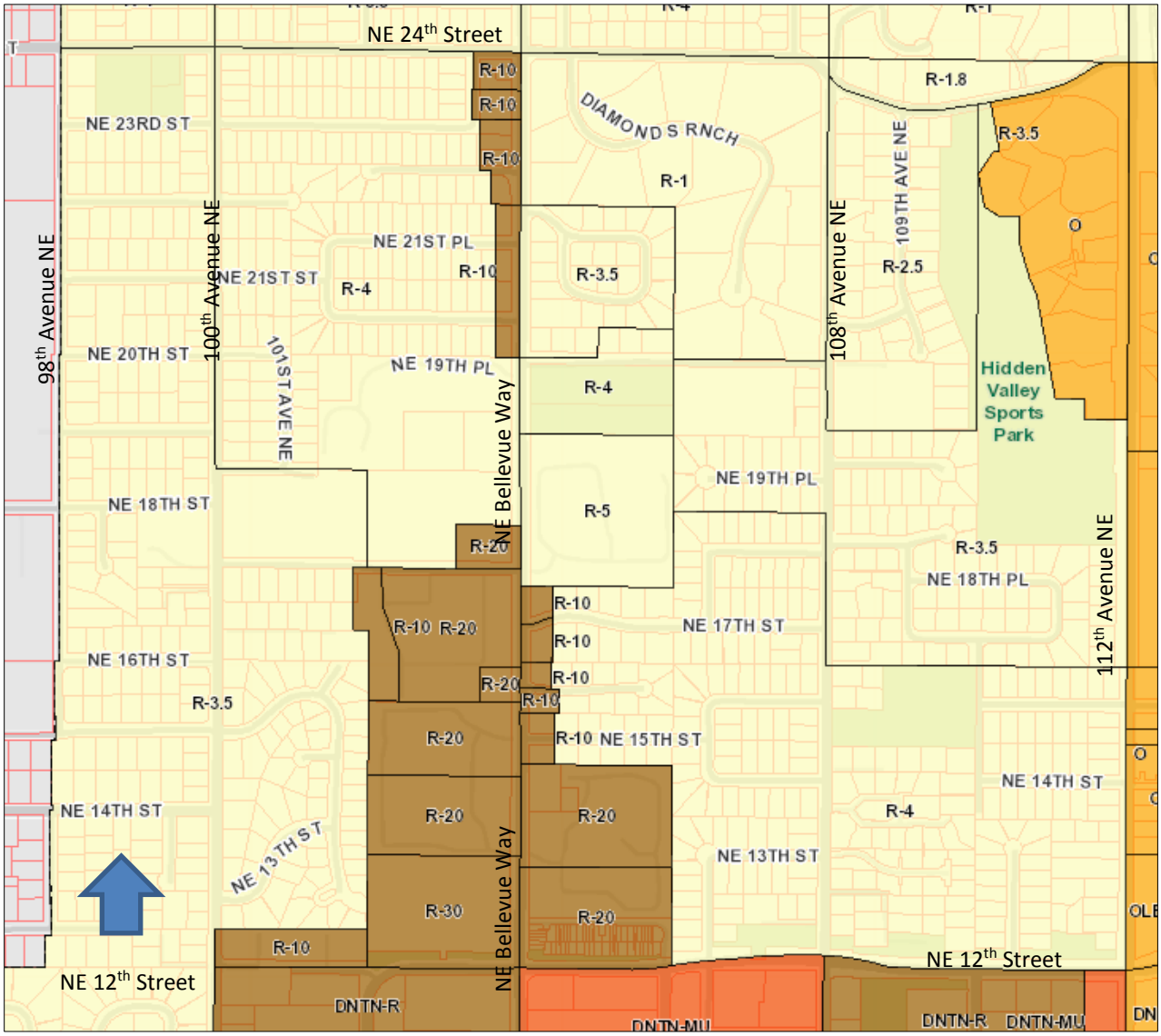
Note that in order to maintain a distance of more than 520 feet between installations, Nodes 7, 8, and 16 were removed from the proposal.

B. Zoning and Context

All 17 Nodes lie within either single family (R-3.5 and R-4) or multi-family (R-10 and R-20) land use districts as follows:

Node 1:	R-3.5	Node 12:	R-4
Node 2:	R-4	Node 13:	R-3.5
Node 3:	R-3.5	Node 14:	R-3.5
Node 4:	R-3.5	Node 15:	R-4
Node 5:	R-4	Node 17:	R-3.5
Node 6:	R-3.5	Node 18:	R-4
Node 9:	R-4	Node 19:	R-4
Node 10:	R-20	Node 20:	R-3.5
Node 11:	R-10		

North Bellevue Zoning Map



III. Public Comments

The City initially notified the public of this proposal on June 16, 2016 with mailed notice and publication in the *Weekly Permit Bulletin.* One, double-sided public information sign was installed in front or near each of the 17 proposed installation poles on the same day. A public meeting was also scheduled for July 11, 2016 at City Hall. Twenty-two citizens attended the public meeting, and to-date, there are 36 parties of record who have provided written comments regarding this proposal.

A summary of the public comments and responses are below:

1. Is this equipment safe? What are the dangers of being exposed to this type of cellular equipment?

Response: Verizon Wireless equipment operates within the guidelines set by the Federal Communications Commission (FCC) for exposure to RF emissions – FCC “Rules & Regulations” Title 47 CFR 1.1310, Radiofrequency radiation exposure limits. David J. Pinion, PE of the consulting electrical engineering firm of Hatfield & Dawson has verified in the April, 2016 Non-Ionizing Electromagnetic Exposure Analysis and Engineering Certification, submitted with this permit application, that the proposed “small cell” system will meet these RF emission/exposure standards.

Verizon Wireless falls well below the FCC Public Maximum Permissible Exposure (MPE) limits. Depending upon the frequency transmission, the MPE ranges from 0.0793% (less than 1%) and 4.46% of the allowable RF exposure. **Refer to Condition of Approval regarding RF testing in Section VI of this report.**

2. What are the exact dimensions (and size limitations) on this equipment, and height restrictions? What is/are the FCC Equipment ID#s that are proposed to be installed?

Response: The dimensions for the equipment can be found on the drawings and photo simulations and are as follows:

Antennas: 23.5” H x 12” W x 7.1 D
RRU’s: 28” H x 22” W x 12” D

The FCC Equipment ID #’s are: TA8AKRC161326 and TA8AKRC161332

3. How will this equipment improve our wireless infrastructure and benefit the residents in my neighborhood? Will Verizon and other companies benefit financially from this?

Response: The equipment proposed is to provide coverage and capacity targeting properties around the “small cell” nodes. With these “small cell” installations, the network will be more reliable and speed for data will improve for Verizon customers in the residences of this neighborhood.

Additionally, Verizon has a federally-mandated obligation to provide wireless E-911 service, as the great majority of 911 calls are made from wireless devices. Solving coverage gaps and capacity issues is key to achieving a fast, reliable emergency response system.

Verizon’s network will be strengthened by this proposal. Verizon is a publically held company traded on the New York Stock Exchange (VZ). As such, the directors owe a fiduciary duty to their stockholders to deliver shareholder value, including reasonable profits.

4. Can the wireless company change the equipment whenever they want? Or will permits be required for future changes?

Response: All modifications to existing wireless facilities are reviewed under a Predevelopment Services Permit (DC Permit) to determine if additional land use/permit review is required. Any expansion must respect the Conditions of Approval and concealment technologies required for each node in this “small cell” system. **Refer to Conditions of Approval regarding antenna mounting and cabling, antennas and equipment color, ground mounted equipment, noise, and expansion beyond “small cell” in Section VI of this report.**

5. Can this equipment be located on the school grounds?

Response: City of Bellevue zoning code does not prohibit locating equipment on school grounds. However, the land is held by the Bellevue School district and they can decide whether or not to lease space on their property to cellular providers.

6. Can this infrastructure to be put underground?

Response: No. Verizon has designed their system to be operational by line-of-sight technology and as such, the system cannot function underground.

7. Who will be overseeing what the cellular company does. Who is policing/governing their actions?

Response: The City of Bellevue, through permit review and permit inspections, oversees the WCF installations. In addition to this ACU approval, Verizon will be required to obtain a Right-of-Way Use Permit and a Wireless Communications Facilities (WCF) in the Right of Way Permit from the City. In addition, prior to activation, the applicant will be required to have an inspection of each node by Land Use to ensure that the facilities were installed per the drawings in this approval and subsequent permits. Lastly, Verizon will perform pre- and post-installation RF testing on a minimum of three poles and the test results will be submitted to Land Use for inclusion in this project file. **Refer to Conditions of Approval regarding the Right of Way Use Agreement, the Right of Way Permit, radio frequency testing and completion of work/facility activation in Section VI of this report.**

8. When does the permit have to be approved or denied? How long does the neighborhood have to discuss location of these wireless transponders?

Response: The City is tasked with reviewing WCF applications as quickly as possible. The FCC has promulgated rules that require a reasonable amount of time for wireless companies to secure permit approvals. Companies may seek injunctive relief in federal court against local jurisdictions that fail to meet FCC timelines. Public comment was taken by Land Use until this decision staff report was noticed.

9. Why did the City of Bellevue choose this specific neighborhood for this installation? Are there other locations that would work?

Response: The City of Bellevue did not choose this neighborhood. The City's only involvement in this proposal is the review of the ACU permit application, and review of any required ancillary permits. This is a Verizon wireless communications facility and as such, the locations for the "small cell" system and each of the 17 nodes were selected by Verizon Wireless and were based on Verizon's specific network needs. There are also other neighborhoods in Bellevue that are being considered for this type of "small cell" proposal.

10. If this permit is approved, will other wireless companies be able to piggy-back on in the same locations? Or is it just one company per pole/location?

Response: PSE owns the utility poles in the right of way and as the owner, determines who can be located on their poles. This is based on PSE's safety and engineering standards. It is also important to note that the Washington Utilities and Transportation Commission (WUTC) recently adopted rules which require PSE and other electrical and telecommunications companies to allow attachment to exiting poles. This legislation (Chapter 480-54 WAC and Chapter 80.54 RCW) provides that an owner (in this case PSE) may only deny access where there is insufficient capacity or for reasons of safety, reliability, and generally applicable engineering principles; provided that the owner may not deny access for capacity if the requestor agrees to replace the pole to accommodate increased capacity. In addition, the Land Use Code does not preclude other carriers from co-locating on these poles in the future.

11. A few neighbors would like more information regarding the RF emissions have an independent tech report.

Response: Per the permit submittal requirement in the Land Use Code, the applicant has provided the required detailed documentation verifying that the installation meets all FCC standards. Refer to the Non-Ionizing Electromagnetic Exposure Analysis and Engineering Certification prepared for Verizon by Hatfield & Dawson, Consulting Electrical Engineers, dated April, 2016 in the project file and attached to this report. However, Verizon has also proposed to do pre- and post- construction measurements of RF emissions and the results of this monitoring will be sent to the City and placed in the project file for public viewing. **Refer to Condition of Approval regarding RF monitoring in Section VI of this report.**

12. Quite a few parents whose kids attending nearby schools in Clyde Hill were puzzled as to why they did not receive any notice of the project. Perhaps notification should be sent specifically to the schools.

Response: Per the requirements of the Land Use Code, the City of Bellevue provides notice to homeowners within 500 feet of any installation and places a public information sign at each pole. However, in the future, Land Use will consider sending information specifically to the nearby schools for distribution to parents.

13. Why is it needed? Cell service is fine where we live.

Response: Data usage demand is continuing to grow exponentially. Verizon strives to be the industry leader in providing a stable, reliable and fast network. This proposal will help meet the current and anticipated consumer demand in the area of the Archerline project.

Cities such as Bellevue have significant changes in topography and mature evergreen vegetation, making it hard for some residents to received reliable service while others just a few block may have excellent reception. By placing antennas closer to the homes to be served, under the canopies of large trees, "small cell" systems solve some of these inequities and improve service for everyone.

14. How long will be until additional equipment is needed?

Response: At this time Verizon does not have any plans to add additional equipment or antennas. Additional equipment placed on these poles must also meet PSE's requirements for location with respect to their electrical lines and equipment.

Note too that this is a review and decision specifically for a "small cell" installation. "Small cells" are defined in the Revised Code of Washington (RCW 80.36.375) and are characterized by the small size of the antennas and RRU's. The small size of the components is a concealment/screening method designed to reduce the visual and aesthetic impacts to surrounding neighborhoods. Additional antennas or equipment square footage might possible defeat this concealment technique inherent in a "small cell" and if so, would require City review either through a new ACU or via an amendment to this decision. **Refer to Condition of Approval regarding modification of the administrative conditional use plans and expansion beyond "small cell" in Section VI of this report.**

15. What are the other options? Why is the proposed option the better option?

Response: Larger "macrocell" sites with many more, larger antennas and ground equipment cabinets or vaults are the alternative to this proposal. Because Verizon is targeting residential neighborhoods, the "macrocell" sites would still need to be placed within the North Bellevue residential land use districts and in front of homes, making them even more impactful to the neighborhood. More significantly, "macrocell" sites have limitations on how

effectively they can provide coverage as demand grows. The proposed “small cell” system is a better option for the carrier, based on their proprietary business model, to provide an improved network because it better targets the area, has smaller antennas and no ground equipment, and has fewer visual impacts on adjacent properties.

16. Will fans or cooling devices be installed? Will these installations have associated noise?

Response: There will be no fans, cooling devices, or back-up generators placed on these installation. Power will come directly from the PSE pole. **Refer to Condition of Approval regarding noise in Section VI of this report.**

17. How will this affect property values?

Response: City codes do not directly address property values. However, through application of the Wireless Communications Facilities section of the Land Use Code (Section 20.20.195), applicants are required to minimize the visual and aesthetic impacts to surrounding neighborhoods and to ensure that the RF emissions meet the FCC standards.

18. Mercer Island has kept WCF’s out of residential areas. Why can’t Bellevue do the same?

Response: Under Section 332(c)(7) of the FCC regulations, one of the limits on a jurisdiction’s permitting authority is that a jurisdiction cannot prohibit or effectively prohibit provision of personal wireless service.

Consistent with that limitation, Mercer Island’s code allows WCF’s in residential neighborhoods on certain public and utility facilities, parks, PSE substation, and on certain rights-of-way. MICC 19.06.040.C.

Bellevue’s code treats residential districts a little differently. In the Land Use Code (LUC) 20.20.195.B.2, WCF’s are not permitted on residential structures, undeveloped sites in residential land use districts, or on sites developed with a residential uses. The LUC does not prohibit siting WCF’s on a multi-family site in the R-20 or R-30 land use districts, on any nonresidential structure (schools, churches, public facilities, utility poles, etc.), or in any public right of way in *any* residential land use district.

Bellevue’s code also provides a hierarchy for siting non-exempt WCFs. Whereas placing WCF’s attached to public facility structures, building mounted or integrated with utility support structures is the top preference in the hierarchy, these conditions were not available in the residential neighborhood that Verizon proposes to serve with the Archerline proposal. However, co-location on utility poles as proposed with this project is the second most preferred location in the location hierarchy.

It is also important to keep in mind that the LUC implements the goals and policies of the Comprehensive Plan, in this case the Utilities Element, which may differ from Mercer Island’s. Therefore it would take a policy change from the

Council that balances the desires of neighborhoods with the requirements of state and federal law. Refer to Section IV.A of this report for additional information regarding how this proposal is consistent with the Comprehensive Plan.

IV. Applicable Decision Criteria / Findings and Conclusions

Compliance with the decision criteria of Land Use Code Section 20.30E.140 (Administrative Conditional Use Permit) is discussed below.

A. The administrative conditional use is consistent with the Comprehensive Plan.

As conditioned, the proposal is consistent with the policies found in the Utilities section the City of Bellevue Comprehensive Plan, Volume 1. The Utilities policies listed below are particularly relevant to the City’s decision on this specific wireless application:

UT-46. Support new and emerging information and telecommunications technologies that would benefit utility service delivery by being sustainable, appropriate and viable.
UT-50. Encourage widespread, affordable, high-speed internet access, including access to competing telecommunications services and new forms of technology to provide the community with choice and to facilitate innovation.
UT-51. Maintain Bellevue’s competitive advantage and attraction as a highly connected community.

Finding: The City’s Land Use Codes allowing this proposed facility are in place to support policies that place the provision of high-speed internet access throughout the entire City as a high priority.

UT-53. Ensure a permitting process that achieves a balance between encouraging deployment of advanced high-speed telecommunications infrastructure and protecting neighborhood character.
UT-64. Require the reasonable screening and/or architecturally compatible integration of all new utility and telecommunication facilities.
UT-65. Protect Bellevue’s aesthetic quality and infrastructure investment from unnecessary degradation caused by the construction of telecommunication infrastructure.
UT-79. Require the placement and design of wireless communication facilities in a manner that minimizes the adverse impacts on adjacent land uses.

Finding: The design of “small cell’ systems, with their small antennas and RRU’s, is intended to reduce the visual and aesthetic impacts of these facilities, particularly when co-located on utility poles with existing electrical equipment.

Other methods that will be used to reduce the impacts and ensure concealment of the wireless technology include the following:

- The facilities are located on existing utility poles or new replacement poles placed in the same location as the existing pole. No additional poles will be necessary.
- All antennas, mounts, conduits (including existing non-Verizon conduits on the pole), and ancillary equipment will be painted a shade of brown to match each existing pole.
- There will be no equipment, including meters, on the ground.
- Additional cabling diagrams will be required to ensure that the amount of exposed cable/wires is minimized and that all cabling is pulled tight.

Refer to Condition of Approval regarding antennas mounting and cabling, antenna and equipment color, ground mounted equipment, noise, and expansion beyond “small cell” in Section VI of this report.

UT-61. Allow new aerial telecommunication lines on existing systems provided that they shall be designed to address visual impacts and are required to be placed underground at the time of undergrounding electrical distribution lines.

Finding: Because the electrical service in the neighborhoods to be served by this proposal is overhead and the “small cell” system is operational by line-of-sight technology, the applicant will connect the 17 nodes via one new aerial fiber line (wire) which will be placed close to the existing electrical lines/wires.

Per the Land Use Code (LUC 20.20.195.D.9) and condition of approval for this decision, the facility must be removed at no expense to the City if co-located on an electrical system facility or utility support structure that is subsequently undergrounded. **Refer to Condition of Approval regarding removal upon undergrounding in Section VI of this report.**

UT-67. Encourage consolidation on existing facilities where reasonably feasible and where such consolidation leads to fewer impacts than would construction of separate facilities. Examples of facilities which could be shared are towers, electrical, telephone and light poles, antenna, substation sites, trenches, and easements.

UT-83. Recognize that wireless communication facilities will be deployed in all areas of the city to provide coverage and capacity consistent with the changing use of wireless technology. Minimize the attendant impacts, particularly the visual impacts of, wireless communication facility towers, lattice towers and structures by utilizing criteria for the design and location of such facilities that appropriately balance the need for wireless services and the impacts of the necessary facilities.

UT-85. Minimize visual impacts of wireless communication facilities by encouraging system designs in the following preferred and descending order:

1. Attached to public facility structures, building mounted, or integrated with utility poles, light standards, and signal supports;
2. Co-located on utility poles, light standards, signal supports; and
3. Free standing towers.

Finding*:* The electrical service in the residential neighborhoods to be served by this proposal currently is delivered via overhead distribution and

transmission lines. The proposed “small cell” installations will all be co-located on existing PSE utility poles in the public right of way, which is the second preferred location per the Comprehensive Plan and the Land Use Code.

UT-84. Minimize visual impacts of wireless communication facilities by encouraging deployment in land use districts in the following preferred and descending order when possible, considering the provider’s coverage needs:

1. Nonresidential land use districts, except Transition Areas;
2. Transition Areas;
3. Multifamily (R-20 and R-30) districts; and
4. Park sites and Residential districts.

Finding: The entire coverage area shown in the submitted propagation maps for the WCF consists of residential properties that are important to Verizon’s coverage objectives. Because of the relatively short reach of the “small cell” antennas, each antenna needs to be close to the residences that they intend to serve, which requires that they be located within single family and multi-family land use districts. Aesthetic treatments are proposed to make the facility as visually unobtrusive to adjacent residences as possible. While the poles themselves fall within residential land use districts, they are physically located within the right of way and not on any residential properties.

UT-86. Require timely removal of abandoned facilities that are visually intrusive whenever facilities are replaced or upgraded.

Finding: It is a requirement of the Land Use Code (LUC 20.20.195.D.8) and a condition of this decision that any of the installations must be removed by the facility owner within 90 days of the date it ceases to be operational, or if the facility falls into disrepair and is not maintained. **Refer to Condition of Approval regarding removal of abandoned sites in Section VI of this report**.

B. The design is compatible with and responds to the existing or intended character, appearance, quality of development and physical characteristics of the subject property and immediate vicinity;

Finding: The project will be compatible with the surrounding residential neighborhood due to the following:

1) The antennas and RRU’s will be placed on existing utility poles where there is already utility infrastructure including aerial fiber (electrical wires).
2) Only 5 of the 17 wood poles will be taller than the existing utility poles. In these cases, the existing poles will be replaced with new wood poles in the same location.
3) All antennas, mounts, conduits (including existing non-Verizon conduits on the pole), and ancillary equipment will be painted a shade of brown to match each existing pole.
4) The “small cell” antennas will be smaller than standard WCF macrocell antennas so as not to create a significant visual impact and shall meet the

size of “small cell antennas” (antennas and enclosure shall be no more than three cubic feet in volume) per the RCW.

5) Additional cabling diagrams will be required to ensure that the amount of exposed cable/wires is minimized and that all cabling is pulled tight.
6) There will be no equipment, including meters, on the ground at any of the 17 nodes.
7) There will be no fans or generators that produce noise at any of the nodes.

Refer to Condition of Approval regarding antenna mounting and cabling, antenna and equipment color, ground mounted equipment, and site restoration in Section VI of this report.

C. The administrative conditional use will be served by adequate public facilities including streets, fire protection, and utilities.

Finding: The existing poles and the proposed WCF’s will be served by adequate public facilities, including streets, fire protection, and utilities.

The Fire Department has reviewed this application and has determined that there are no substantial concerns regarding interference with emergency signals. **Refer to Conditions of Approval regarding existing City of Bellevue existing radio systems and interference in Section VI of this Staff Report.**

D. The administrative conditional use will not be materially detrimental to uses or property in the immediate vicinity of the subject property; and

Finding: The co-location of two “small cell” antennas and one radio unit enclosure on existing PSE electrical utility poles will result in a WCF that will not substantially change impact the surrounding properties.

A condition of approval will require that antennas, mounts, conduits, and all ancillary equipment be painted brown to match the existing pole and there will be no ground-mounted equipment. By doing so, the project will not be materially detrimental to uses or property in the immediate vicinity.

Finally, the facility will be removed when it ceases to be operational or falls into disrepair and is not maintained, or if the utility support structure is removed or placed underground. **Refer to Condition of Approval regarding antenna and equipment color and the removal of abandoned sites in Section VI of this staff report.**

E. The administrative conditional use complies with the applicable requirements for a wireless communication facility as provided by the Land Use Code 20.20.195, including location and design preferences.

Finding: As conditioned, the proposed wireless facility complies with the location and design preferences as detailed in LUC 20.20.195. Further, the proposal meets all specific Land Use Code requirements applicable to non-exempt wireless communications facilities per LUC 20.20.195.D, as summarized below.

1. **Height:** The pole height in five of the 17 nodes will be increased by approximately ten to 15 feet. The carrier has verified that this will be the minimum height increase necessary to meet their system needs, and the additional height is necessary due primarily to PSE’s engineering requirements related to separation from lines and other PSE equipment. All other nodes will be on the existing poles with no additional height.

2. **WCF Location and Design**

   a. **Preferred Location (LUC 20.20.195.D.2.a):**
   Although the location of this “small cell” system, within multi-family and single family residential neighborhoods, is third and fourth in the list of preferred locations, it is necessary because the system is specifically targeting Verizon residential users. “Small cell” antennas, because they have such a short reach, need to be close to the residences they are serving in order to operate as intended.

   b. **Preferred Facility Design (LUC 20.20.195.D.2.b):**
   The co-location of the antennas and RRU at each node on utility poles are second on the list of preferred facility design hierarch. Because the system was designed to reach residential customers, there were not public facility structures, non-residential buildings or utility support structures available to meet Verizon’s needs.

   c. **Minimizing Adverse Impacts (LUC 20.20.195.D.2.c):**
   Impacts from siting the installation at each of the 17 nodes were considered when co-locating on existing utility poles in the right of way. Refer to the Development Standards in section 4 below for additional ways the applicant will minimize impacts from these installations.

3. **Dispersal Limits (LUC 20.20.195.D.3):** The applicant has verified that there are no other WCF’s within 520 feet of this proposal in the public right of way. Three nodes were removed from the original proposal because they did not meet this separation requirement.

4. **Development Standards (LUC 20.20.195.D.4):** The proposal includes the following development standards to ensure that the WCF minimizes the adverse impacts, especially visual and aesthetic impacts, on the properties adjacent to rights of way where the facilities will be located and in the vicinity of the facility.

   a. **Paint and Screening Techniques (LUC 20.20.195.D.4.a):**
   The small size of “small cell” antennas and RRU’s is an effective screening/concealment measure because relative to traditional “macrocell” antennas, the size effectively minimizes the impacts of a wireless facility on the surrounding neighborhood. All antennas and equipment must meet the definition of “small cells” as defined in Revised Code of Washington (RCW) 80.36.375.

All antennas, RRU's, ancillary equipment, conduits, and mounting hardware/ brackets attached to the pole, either existing or proposed, will be painted brown to match the pole. This includes any existing conduits that were placed on the poles by other providers and/or PSE.
Refer to Conditions of Approval regarding antenna mounting and cabling, antenna and equipment color, and ground mounted equipment in Section VI of this report.

b. Design and Configurations to Minimize Visual Intrusion of the Facility (LUC 20.20.195.D.4.b):
The relatively small size of the "small cell" antennas and RRU's placed against existing electrical infrastructure on existing PSE will minimize the visual intrusion of the facility. In addition, the following will reduce visual impacts:

- All coaxial cables shall be pulled tight to minimize visual impacts.
- No antennas, RRU's or ancillary equipment may be chained to the utility pole.
- Conduit runs shall be minimized as much as possible and where possible, conduits shall be placed as close as possible to each other.
- Pipe mounts will not extend beyond the top of the antennas.
- RRU's will be placed within an RRU enclosure.

Refer to Condition of Approval regarding antenna mounting and cabling and antenna and equipment color in Section VI of this report.

c. Construction and Site Restoration Techniques (LUC 20.20.195.D.4.c):
There may be minor clearing associated with the installation five replacement poles, the attachment of the antennas and RRU's, and the connections of the antennas and RRU's connection to necessary utilities. All work will be in the public right of way and will not trigger a clearing and grading permit. However, any disturbance to the right of way must be restored to an equal or better condition and right of way disturbance will be reviewed under the Right of Way Use Permit.

Construction hours will be determined under the Right of Way Use Permit to minimize impacts to surrounding residential neighborhoods and schools. **Refer to Condition of Approval regarding the Right of Way Use Permit in Section VI of this report.**

d. WCF Equipment (LUC 20.20.195.D.4.d):
As proposed and approved in this decision, no ground mounted equipment, including meters, will be allowed at any of the 17 nodes.
Refer to Condition of Approval regarding ground-mounted equipment in Section VI of this report.

e. Co-location (LUC 20.20.195.D.4.e):
This proposal is for co-location of two new antennas and one remote radio unit on 17 existing utility poles. Additional co-location on the pole for other carriers might be a possibility, subject to technical feasibility and

approval by PSE. However, specific details or analysis with regards to future co-location have not been included as part of this proposal.

5. **Radio Frequency Emissions (LUC 20.20.195.D.5):** The Engineering Certification Letter submitted by Verizon's radio frequency (RF) engineer states that the facility will comply with the radio frequency emission standards adopted by the Federal Communications Commission (FCC). This certification letter can be found in the project file at the Record's Department in City Hall.

   Although not required by the Land Use Code, the applicant (Verizon) has agreed to provide pre- and post-installation testing of RF emissions to confirm compliance with the FCC regulations. **Refer to Condition of Approval regarding radio frequency testing in Section VI of this report.**

6. **Setback Requirements for Freestanding Wireless Communication Facilities (LUC 20.20.195.D.6):**
   Does not apply, since the proposal installations will be on existing PSE utility poles in the right of way.

7. **Independent Technical Review (LUC 20.20.195.D.7):**
   No such review was deemed necessary for this application since Verizon has agreed to provide pre- and post-installation RF measurements. **Refer to Condition of Approval regarding radio frequency testing in Section VI of this report.**

8. **Removal of Abandoned Antennas and Towers (LUC 20.20.195.D.8):**
   Refer to Condition of Approval regarding abandoned sites in Section VI of this report.

9. **Removal Upon Undergrounding (LUC 20.20.195.D.9):**
   Refer to Condition of Approval regarding removal upon undergrounding in Section VI of this report.

V. DECISION

After conducting the various administrative reviews associated with this proposal, including applicable land use consistency and City Code and Standard compliance reviews, the Director of the Development Services Department does hereby **APPROVE** the proposal subject to the following **CONDITIONS**:

VI. CONDITIONS OF APPROVAL:

The following conditions are imposed under authority referenced:

Compliance with Bellevue City Codes and Ordinances
The applicant shall comply with all applicable Bellevue City Codes, Standards, and Ordinances including but not limited to:

Applicable Codes, Standards & Ordinances	**Contact Person**
Clearing & Grading Code – BCC 23.76	Janney Gwo, (425) 452-6190
Construction Codes – BCC Title 23	Building Division, (425) 452-6864

Fire Code – BCC 23.11	Sean Nichols, (425) 452-2926
Land Use Code – BCC Title 20	Sally Nichols, (425) 452-2727
Noise Control – BCC 9.18	Sally Nichols, (425) 452-2727
Sign Code – BCC Title 22	Sally Nichols, (425) 452-2727
Right-of-Way Use Code 14.30	Judy Connors, (425) 452-4617
Utility Code – BCC Title 24	Lori Santo, (425) 452-6828

1. Modification to the Administrative Conditional Use (ACU) Plans
Approval of this ACU is for the design and information submitted under this permit application. ANY modification, including but not limited to the provision of additional equipment, meters, antennas, conduit, and fiber to this approval shall be processed as either a new Administrative Conditional Use OR as a Land Use Exemption. The applicant shall demonstrate compliance with the Land Use Code in effect at the time of issuance of this report when the modification occurs within the two year vesting period. Any modifications of the project design must be reviewed for consistency with the design intent of this report. Conditions of Approval run for the life of the project.

REVIEWER: Sally Nichols, Land Use
AUTHORITY: LUC 20.30E.175

2. Antenna Mounting and Cabling
The antennas shall be attached to the replacement pole such that no portion of the antenna extends above the height of the existing support structure (pole).

All proposed cabling shall be **pulled tightly** to minimize visual impacts. Detailed drawings shall be included in the wireless communication facilities in the right of way permit (CA Permit) submittal drawings. The details shall include, but not be limited to the following:

a) Provide an enhanced detail demonstrating how the cabling will be pulled tight from the antennas to the RRU and from the RRU to the power source.

b) Provide an enhanced detail that shows how all other cabling and fiber will be installed and how the cabling and aerial fiber will run from the antennas, equipment, and/or power source through these conduits. Include dimensions for distances between the top of each conduit and the RRU enclosure, antennas, power source, and/or aerial fiber.

c) Conduit runs shall be minimized as much as possible while still screening as much of the exposed cabling as possible. Where feasible, conduits shall be placed as close as possible to each other.

d) No antennas or equipment may be chained to the poles. Methods of attachment must be clearly identified and included in the wireless communication facilities in the right of way permit (CA Permit) submittal drawings and shall maintain the stealth characteristics of each node.

e) No pipe mounts may extend past the top of the antennas.

f) RRU’s will be placed within one RRU enclosure.

g) The applicant shall work with Land Use to verify that the RRU’s and antennas shall be placed as close to each other as possible to minimize exposed cabling.

REVIEWER: Sally Nichols, Land Use
AUTHORITY**:** LUC 20.20.195.B.1.a.v

3. Antenna and Equipment Color

a) **Al**l antennas (existing and proposed) and **all** associated equipment (including the pipe mounts, ancillary equipment and <u>any existing conduits on the utility pole by others</u> shall be painted *brown* to match the support structure (pole).

b) *Prior to installation*, a color sample shall be submitted as part of the wireless communication facilities (WCF) in the right of way permit (CA Permit). The color will be reviewed under the CA Permit to ensure as close a match as possible to the existing poles. Note that more than one shade of brown may be necessary to provide as close a color match to each individual pole.

REVIEWER: Sally Nichols, Land Use
AUTHORITY: LUC 20.20.195.D.4.a

4. Ground Mounted Equipment

As submitted and shown in approval documents, no ground mounted equipment, including meters, will be allowed in any of the 17 nodes that make up this “small cell” network installation.

REVIEWER: Sally Nichols, Land Use
AUTHORITY: LUC 20.20.195.D.4

5. Noise

To reduce impacts on homes close to the poles, and as proposed by Verizon in this ACU application, no fans, generators or other noise-producing equipment will be allowed as a component of this “small cell” network installation.

REVIEWER: Sally Nichols, Land Use
AUTHORITY: LUC 20.20.195.D

6. Expansion Beyond “Small Cell”

This approval is for a ““small cell” network made up of “small cell” antennas and RRU’s, as defined in RCW 80.36.375. Any modifications to these installations that expand the facility at each node such that it no longer qualifies as a “small cell” per the RCW definition or diminishes the stealth characteristics of the nodes shall require addition Land Use review as a new Administrative Conditional Use.

REVIEWER: Sally Nichols, Land Use
AUTHORITY: RCW 80.36.375, LUC 20.30E.175

7. Right of Way Use Agreement
No permits, including a right of way use permit, can be issued and no construction may begin until the applicant has executed a written right of way use agreement, which must be approved by the City Council.

REVIEWER: Judy Connor, Right-of-Way
AUTHORITY: BCC 6.04.010 and 14.30.070.B

8. Right-of-Way Use Permit
Any use of the public right of way to install the “small cell” equipment on utility poles and run fiber in the right of way will require a Right of Way Use Permit.

REVIEWER: Judy Connor, Right-of-Way
AUTHORITY: BCC 14.30.070 and 14.30.080

9. Radio Frequency Testing
The applicant (Verizon) will be required to perform a pre- and post-installation radio frequency emission measurement on a minimum of three selected nodes within the “small cell” system. Actual nodes to be tested shall be coordinated between the applicant and Land Use. Results of these measurements shall be submitted as a post-issuance revision to this Administrative Conditional Use permit and included for public view in the project file.

REVIEWER: Sally Nichols, Land Use
AUTHORITY: LUC 20.20.195.D

10. Existing Radio System & Interference
If this telecommunications system causes interference problems with any of the existing radio systems for the City of Bellevue, this system will be required to immediately shut down until the interference can be removed or corrected.

REVIEWER: Sean Nichols, Fire Department
AUTHORITY: FCC 90.672

11. Completion of Work/Facility Activation
The facility shall not be activated until all work included in the project scope and shown on the plans and specifications is completed.

Prior to activation, the applicant shall call for a Land Use Inspection (600 Inspection) under the CA Permit so that Land Use can verify that each node was installed per the approved plans.

REVIEWER: Sally Nichols, Land Use
AUTHORITY: LUC 20.40.425

12. Removal of Abandoned Sites
The owner of this facility shall provide the Director with copies of any notice of intent to cease operations that is provided to the Federal Communications Commission (FCC). All WCFs and the associated equipment shall be removed by the facility owner within 90 days of the date it ceases to be operational, or if the facility falls into

disrepair and is not maintained. Disrepair includes structural features, paint, or general lack of maintenance, which could result in safety or visual impacts.

REVIEWER: Sally Nichols, Land Use
AUTHORITY: LUC 20.20.195.D.8

13. Removal Upon Undergrounding

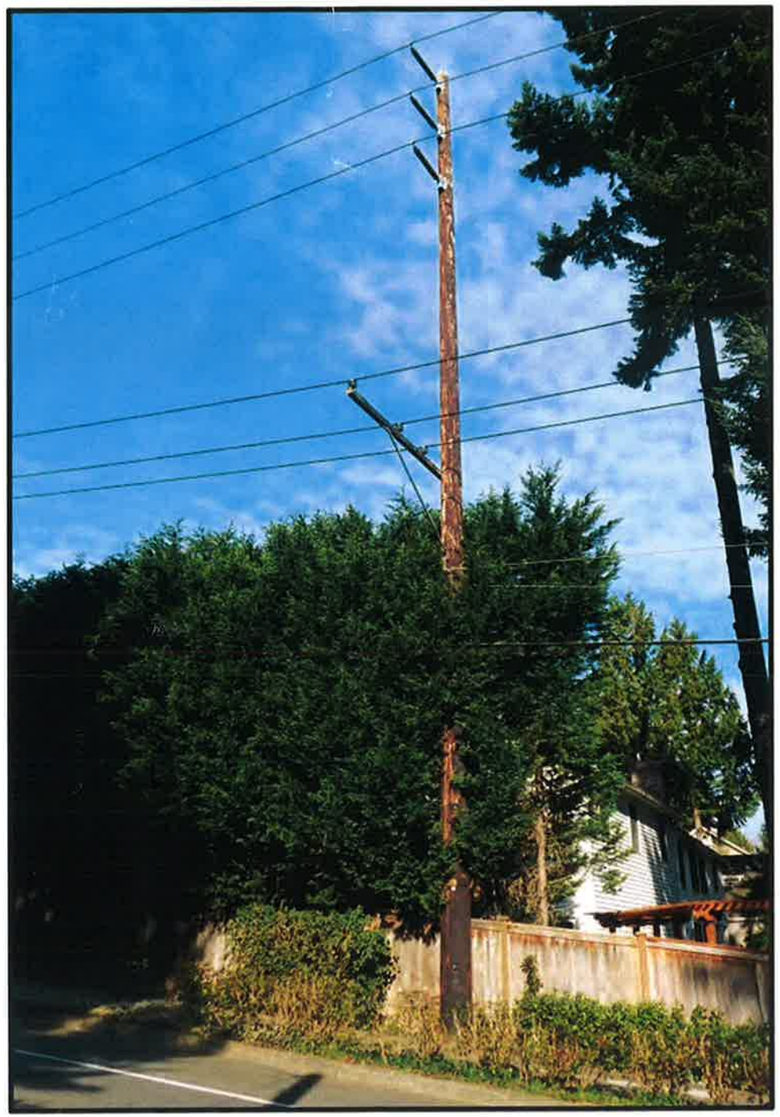
The owner of this facility must remove any of the installations at no expense to the city if the electrical system facility or the utility support structure to which they are attached are subsequently undergrounded.

REVIEWER: Sally Nichols, Land Use
AUTHORITY: LUC 20.20.195.D.9

Attachments

Project Plans

Attachment A - Project Plans & Documentation



CURRENT

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

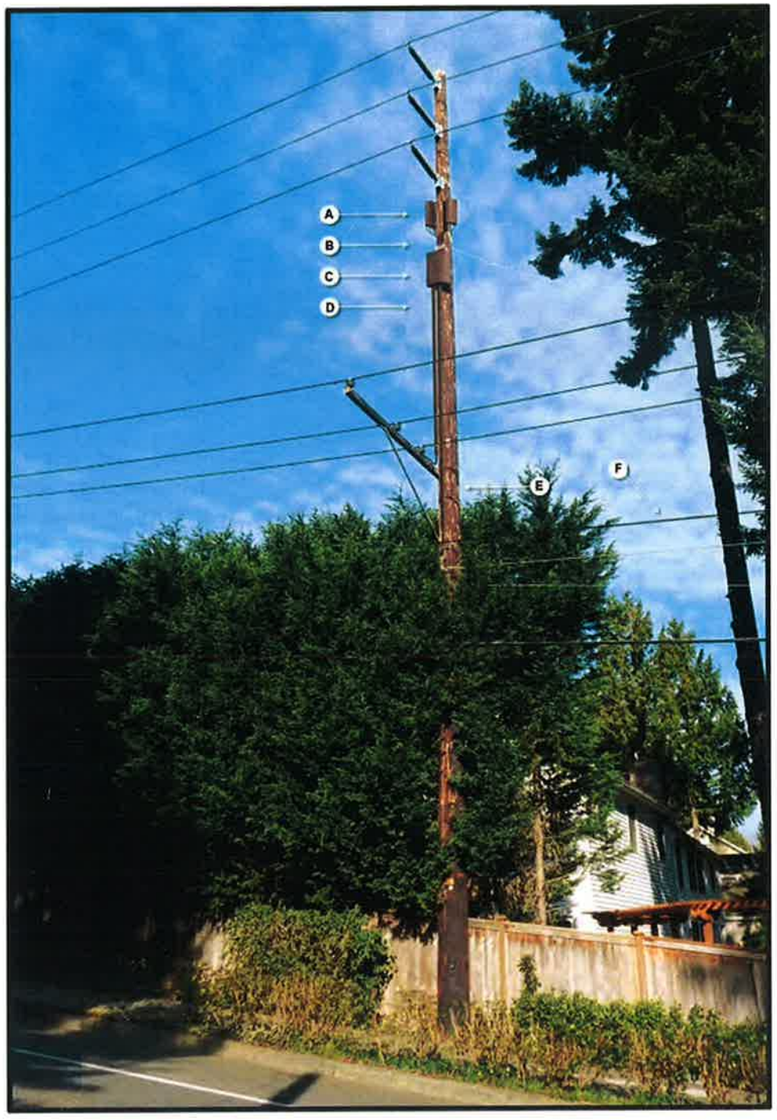
(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber



PROPOSED

md7

ARCHERLINE NODE 1

NE 24TH STREET

TIM BRADLEY IMAGING

CURRENT

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

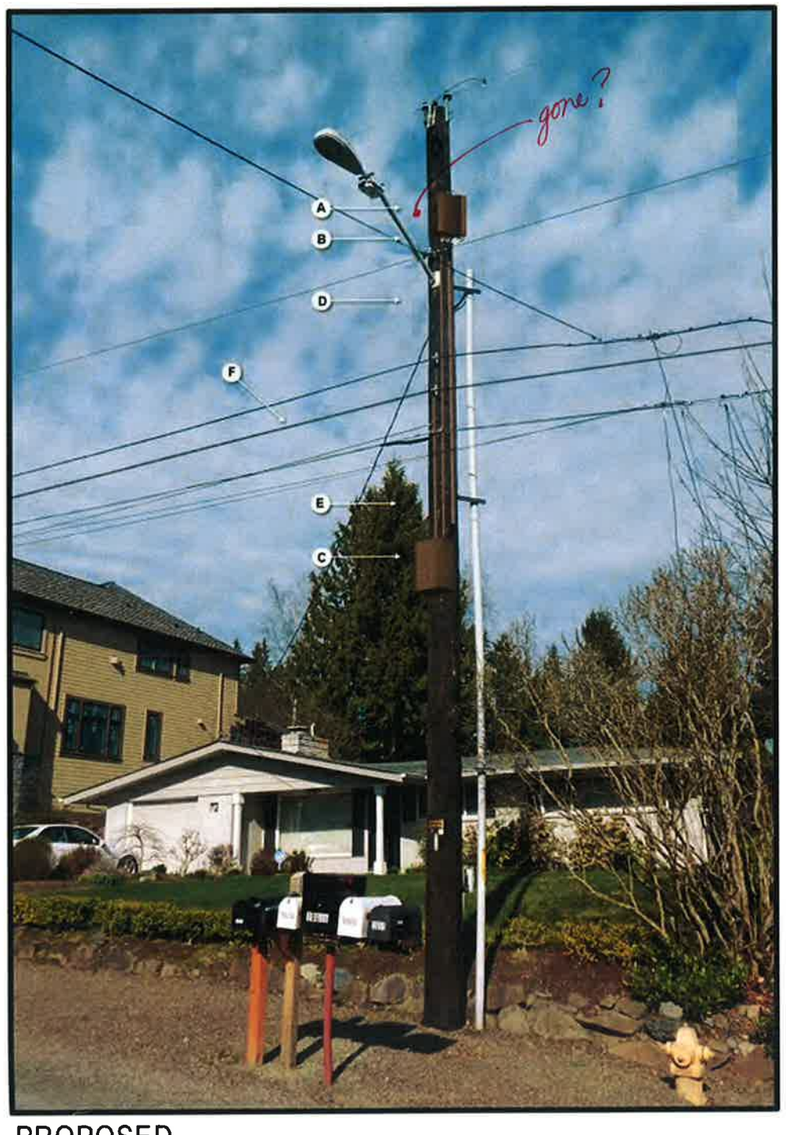
(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber



PROPOSED

ARCHERLINE NODE 2

NE 21TH STREET

CURRENT

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

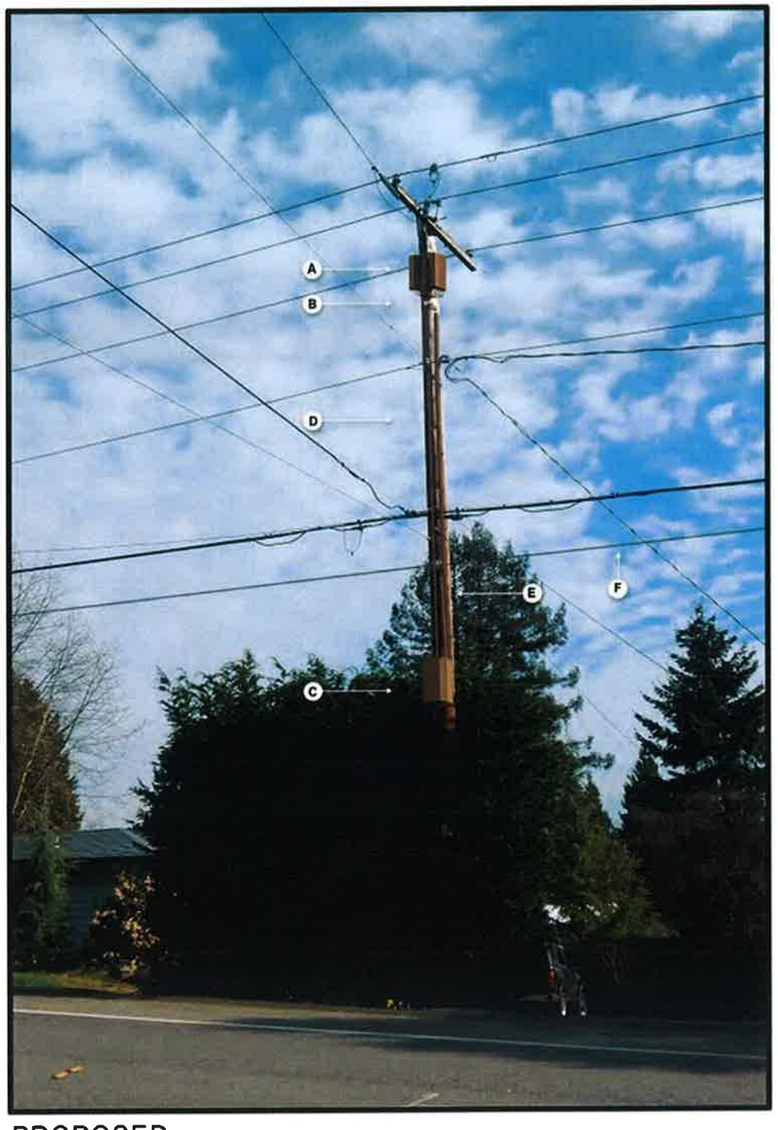
(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber



PROPOSED

ARCHERLINE NODE 3

100TH AVE. NE

TIM BRADLEY IMAGING

CURRENT

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

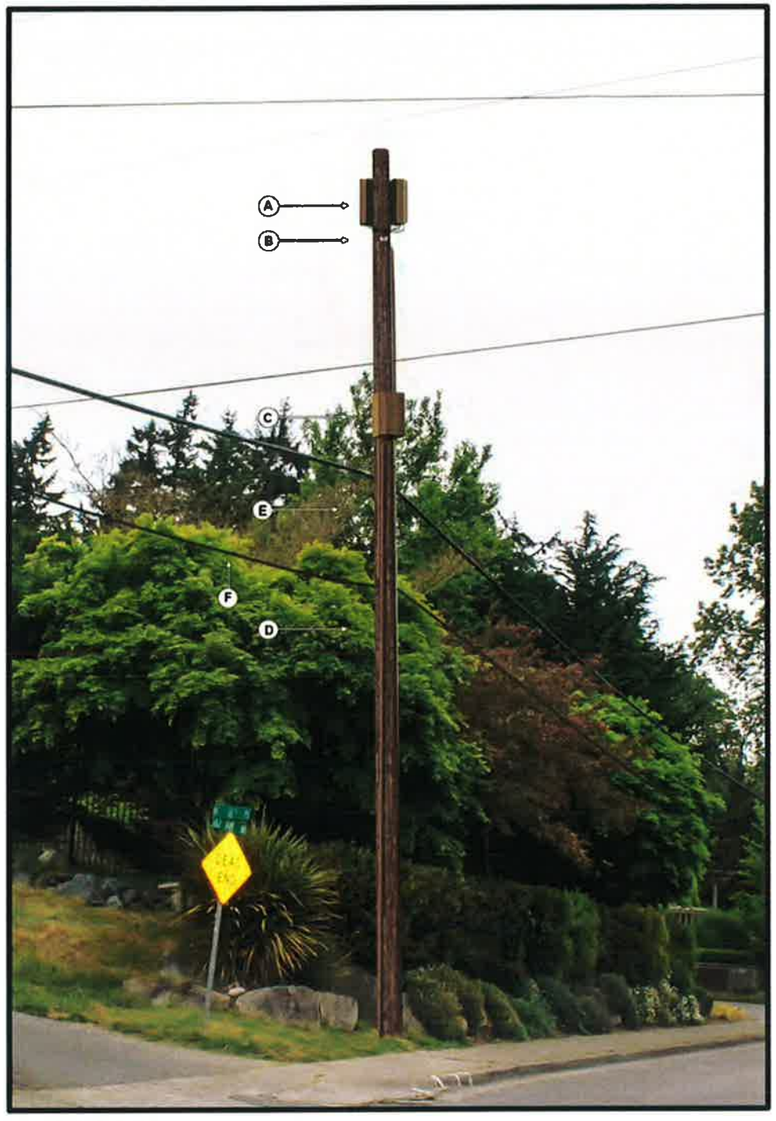
(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber



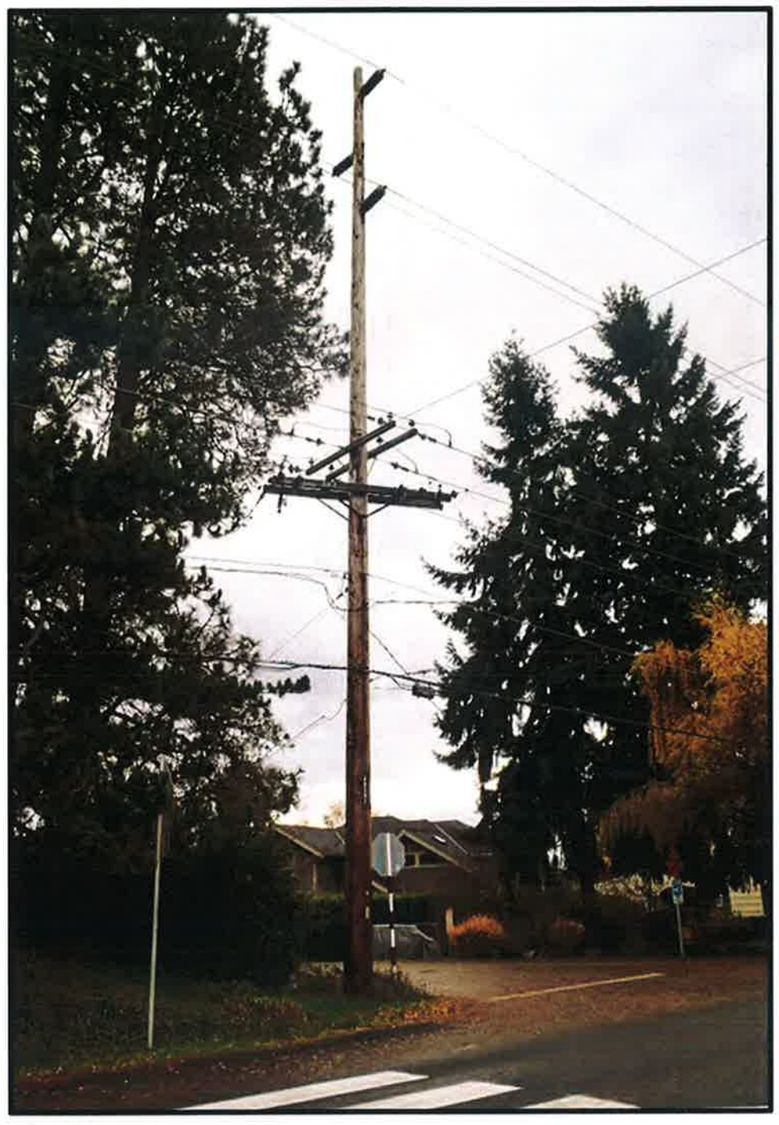
PROPOSED

md7

ARCHERLINE NODE 4

100TH AVE. NE

TIM BRADLEY IMAGING



CURRENT

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

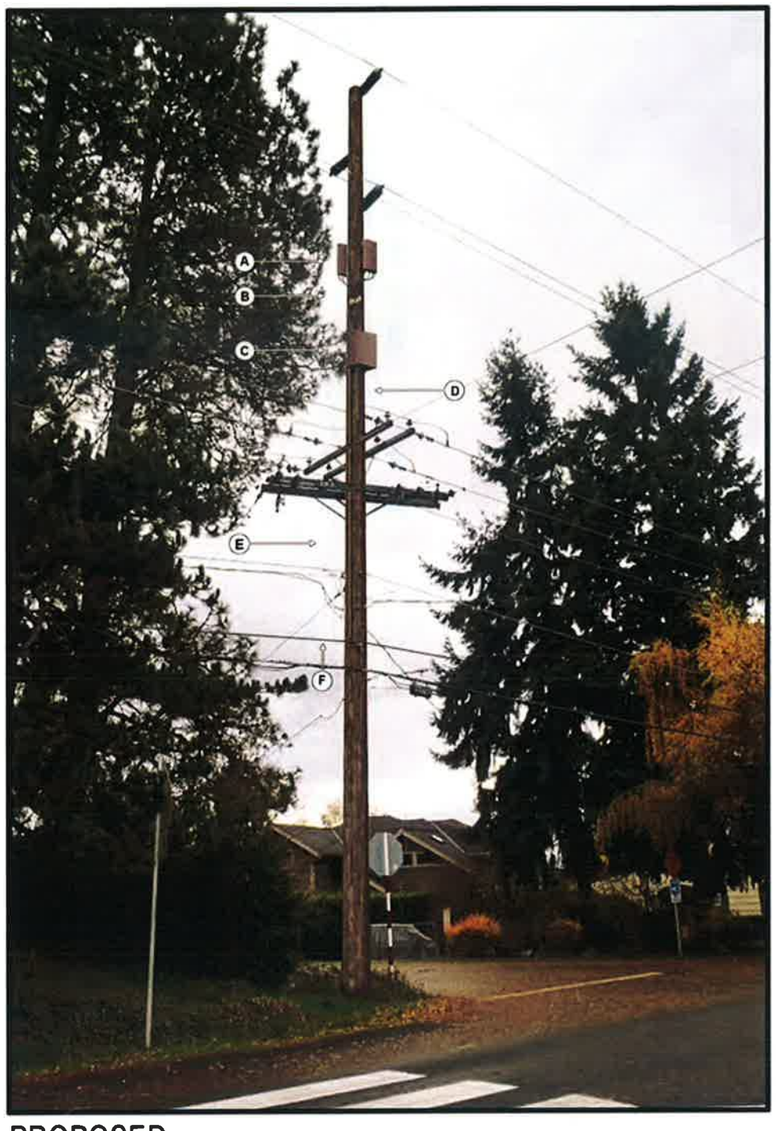
(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber



PROPOSED

md7

ARCHERLINE NODE 5

NE 15TH STREET

TIM BRADLEY IMAGING

CURRENT

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

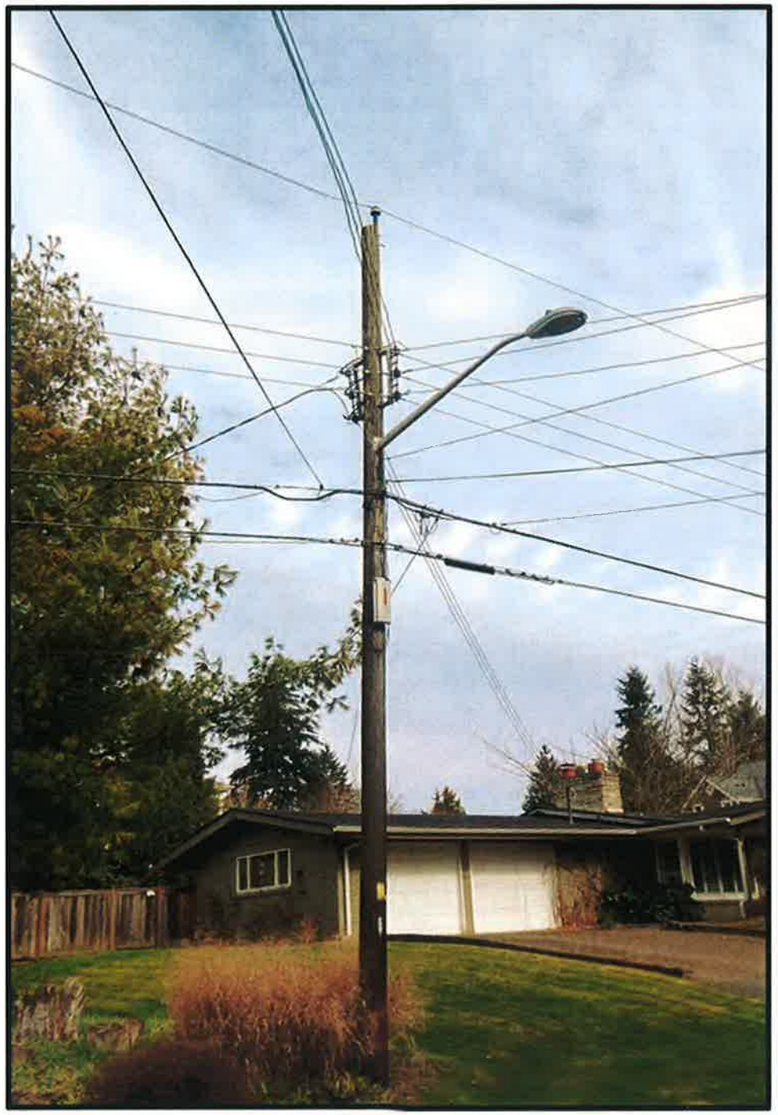
PROPOSED

md7

ARCHERLINE NODE 6

102ND AVE. NE

TIM BRADLEY IMAGING



CURRENT

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

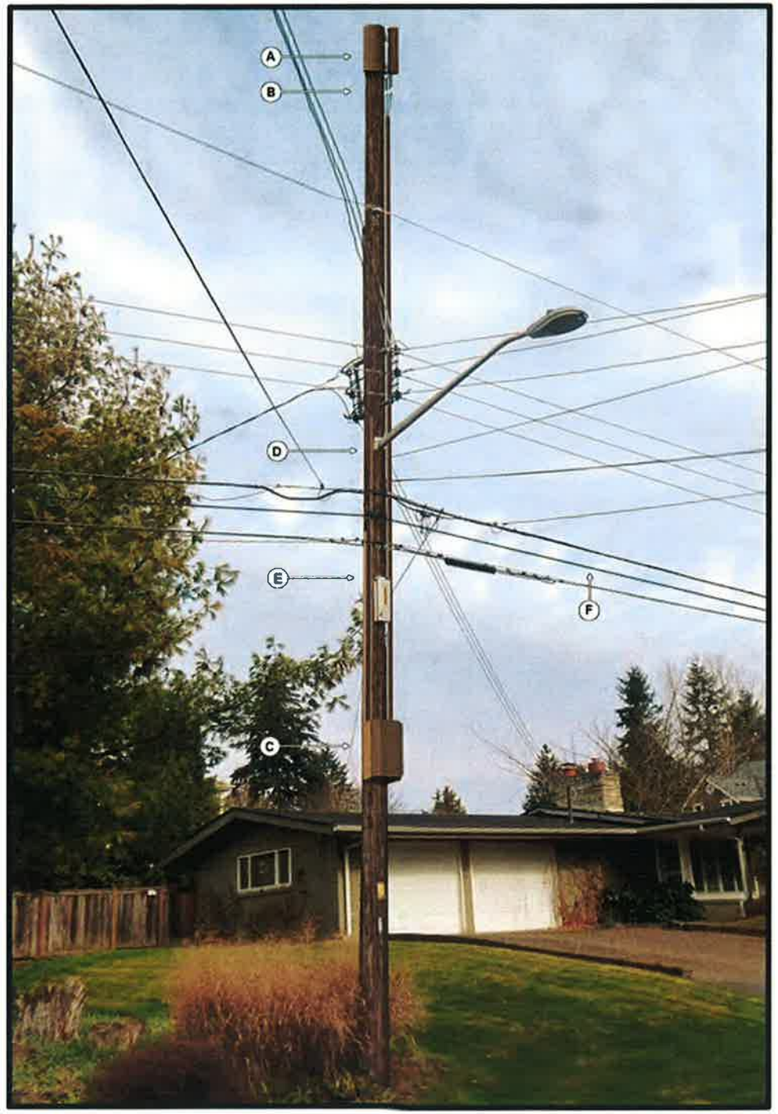
(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber



PROPOSED

md7

ARCHERLINE NODE 9

NE 15TH STREET

TIM BRADLEY IMAGING

CURRENT

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

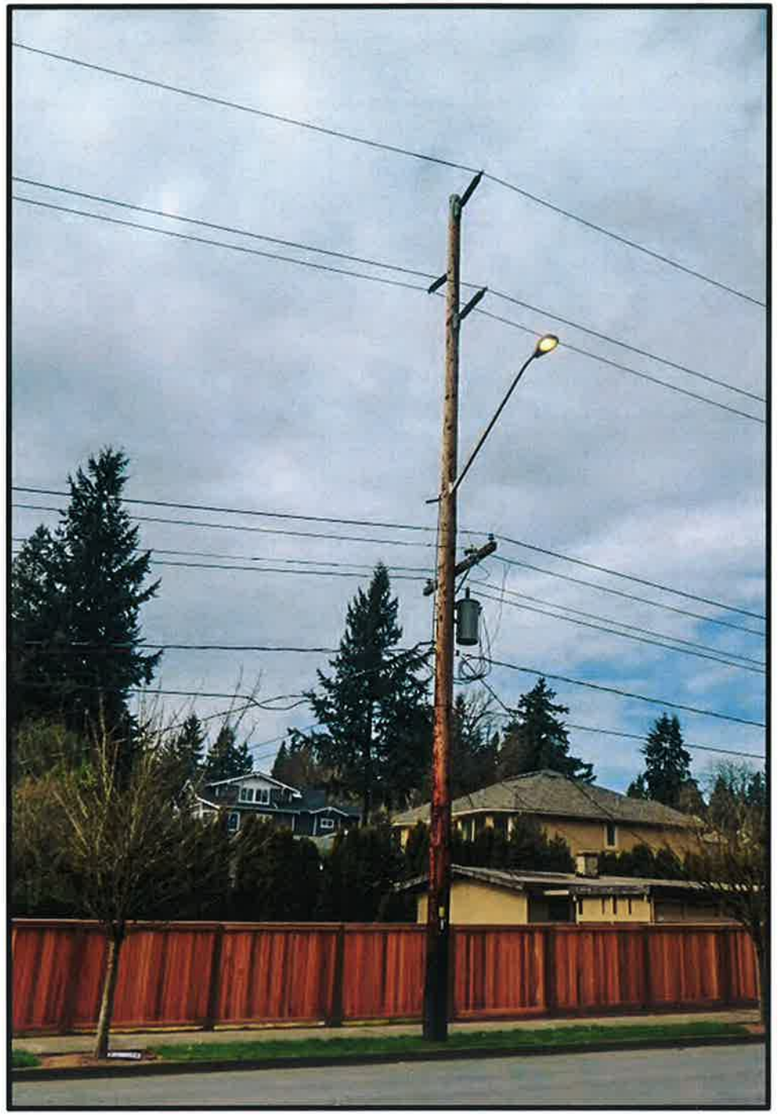
PROPOSED

md7

ARCHERLINE NODE 10

BELLEVUE WAY NE

TIM BRADLEY IMAGING



CURRENT

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

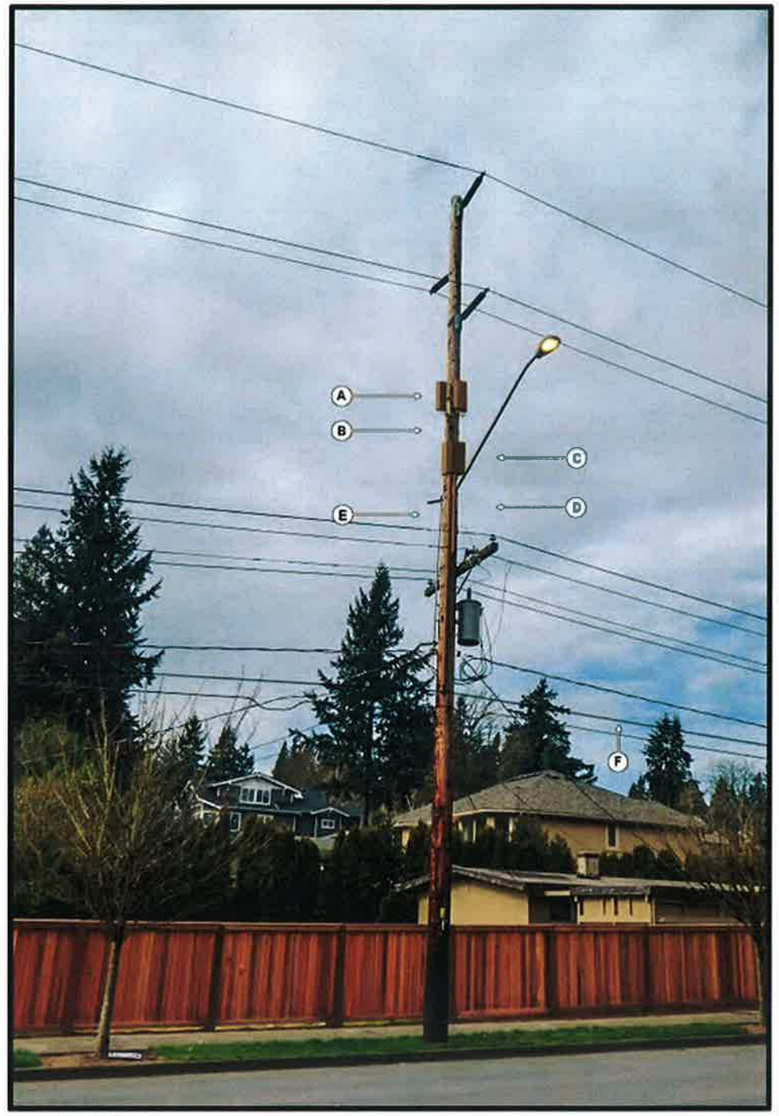
(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

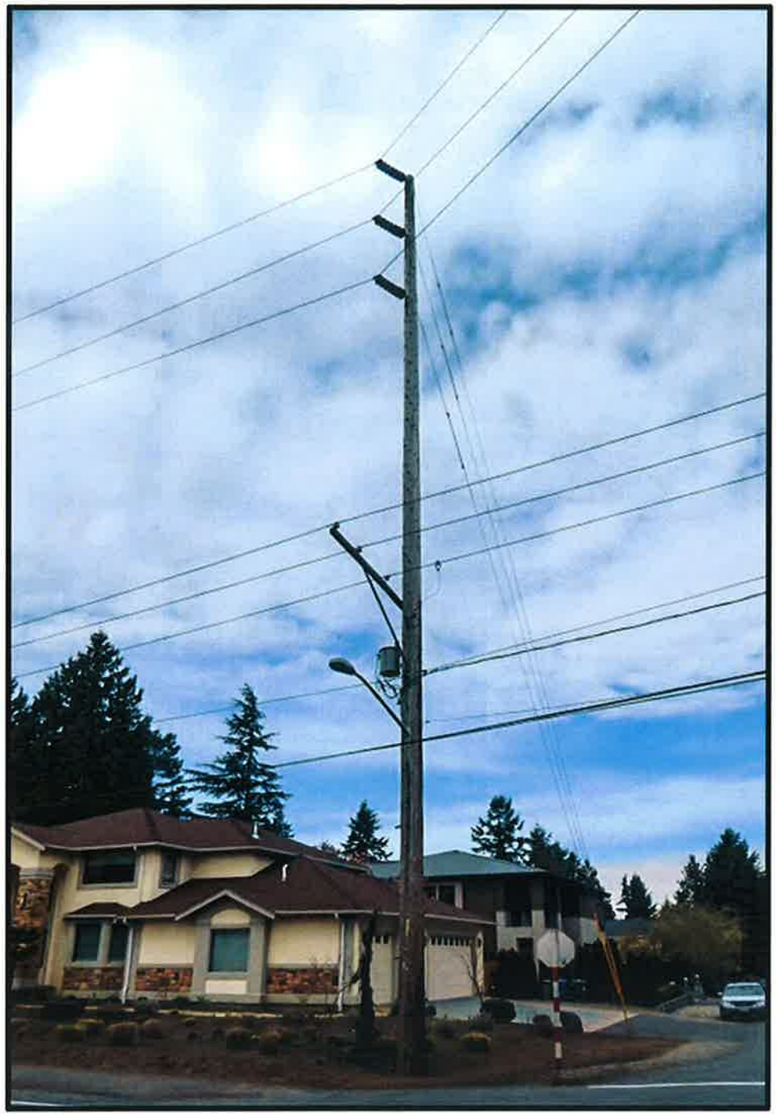


PROPOSED

ARCHERLINE NODE 11

BELLEVUE WAY NE

TIM BRADLEY IMAGING



CURRENT

(A) Antenna (x2)
Amphenol HTXCW83111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

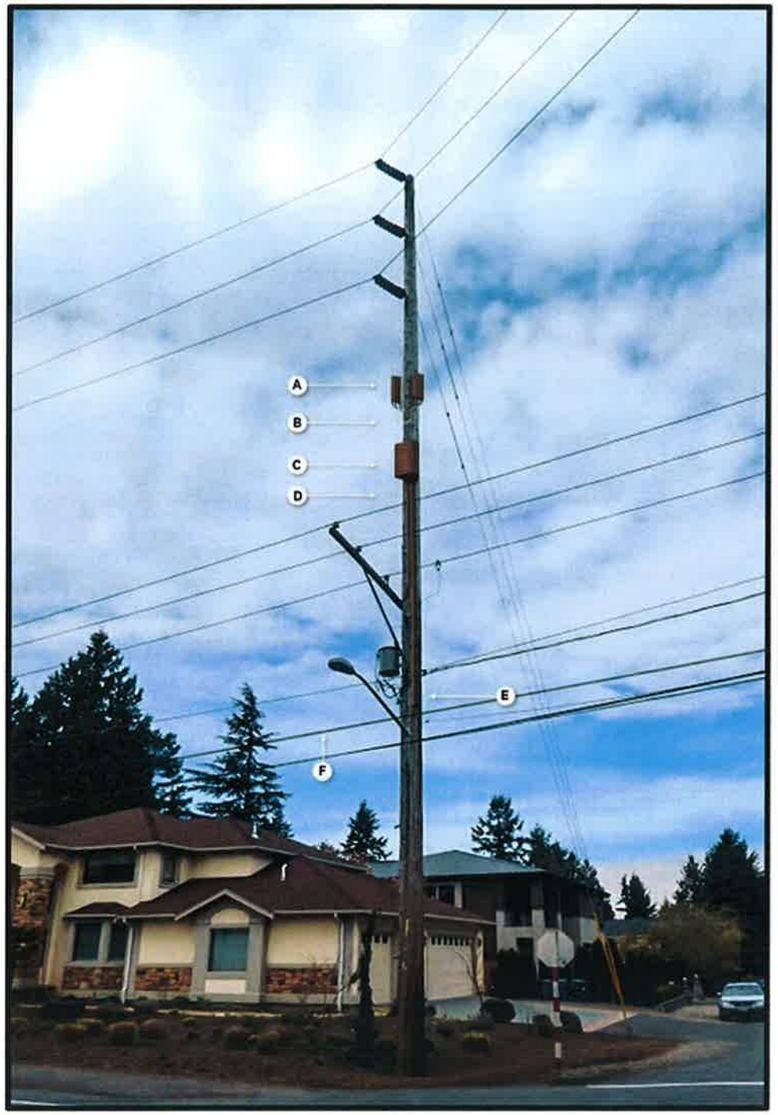
(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber



PROPOSED

ARCHERLINE NODE 12

NE 24TH STREET

CURRENT

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

PROPOSED

md7

ARCHERLINE NODE 13

NE 20TH STREET

TIM BRADLEY IMAGING

CURRENT

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

PROPOSED

ARCHERLINE NODE 14

NE 18TH STREET

TIM BRADLEY IMAGING

CURRENT

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

PROPOSED

ARCHERLINE NODE 15

NE 12TH STREET

TIM BRADLEY IMAGING

CURRENT

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

PROPOSED

md7

ARCHERLINE NODE 17

98TH AVENUE NE

TIM BRADLEY IMAGING

CURRENT

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

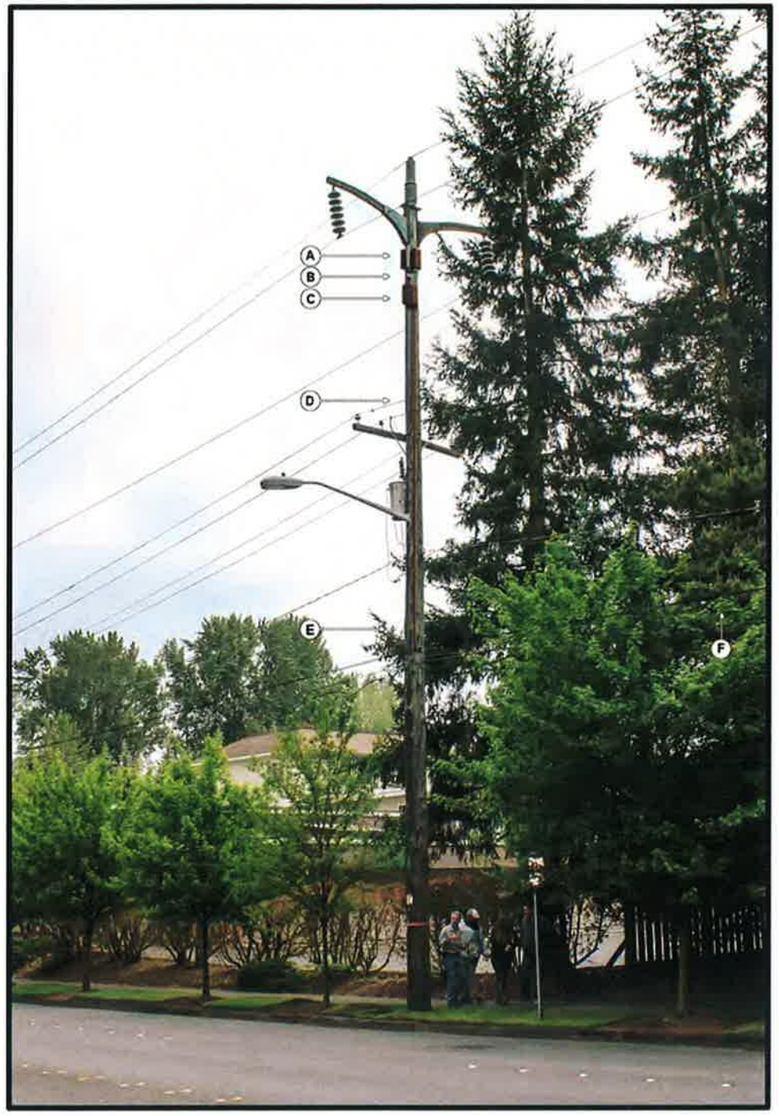
(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber



PROPOSED

ARCHERLINE NODE 18

BELLEVUE WAY NE

TIM BRADLEY IMAGING

CURRENT

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

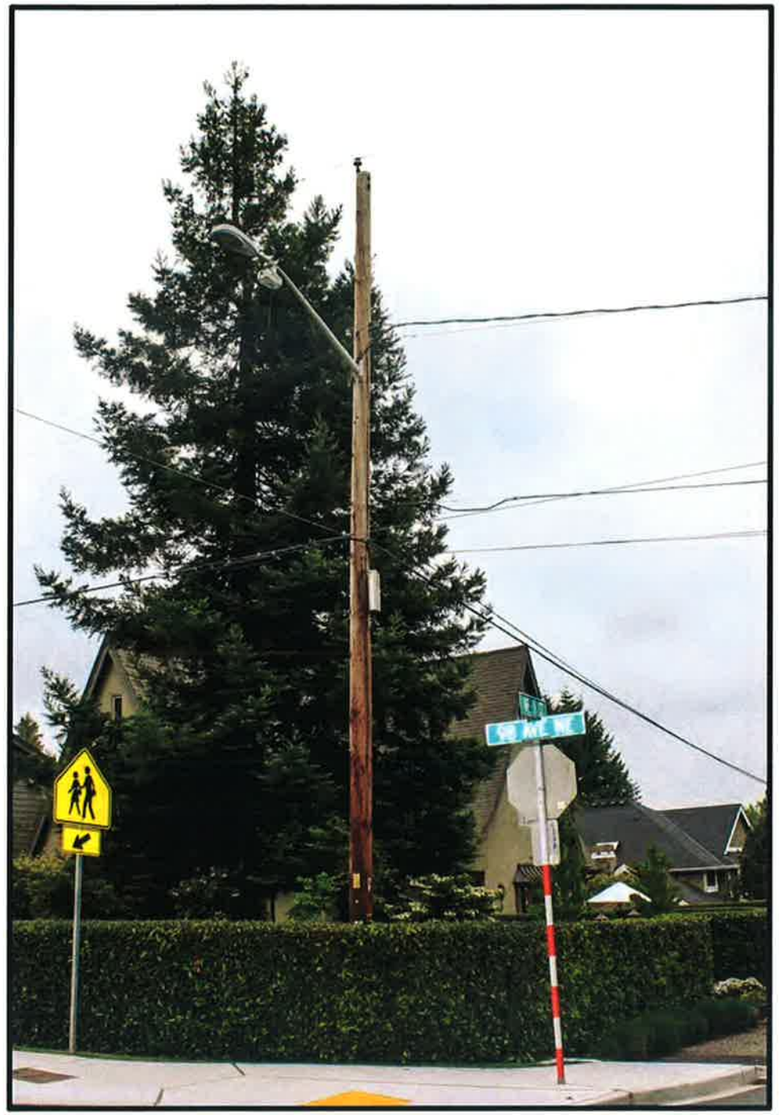
(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

PROPOSED

ARCHERLINE NODE 19

NE 15TH STREET



CURRENT

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

PROPOSED

ARCHERLINE NODE 20

98TH AVENUE NE

TIM BRADLEY IMAGING

SHEET INDEX

CODE COMPLIANCE

2012 IBC, STANDARDS AND AMENDMENTS, WAC 51-50
2012 IMC, STANDARDS AND AMENDMENTS, WAC 51-52
2012 IFC, STANDARDS AND AMENDMENTS, WAC 51-54
2012 UPC, STANDARDS AND AMENDMENTS, WAC 51-56, 51-56, 51-57

verizon

ARCHERLINE

NORTHWEST BELLEVUE
BELLEVUE, WA

PROJECT DESCRIPTION:

THE SCOPE OF WORK INCLUDES:
THE INSTALLATION OF TELECOMMUNICATIONS EQUIPMENT ON EXISTING PSE UTILITY POLES, FIBER AND POWER LINE EXTENSIONS TO NEW EQUIPMENT, ALL FOR 17 NODES IN A POLYGON AREA IN NORTHWEST BELLEVUE

NOTE: ALL PROPOSED EQUIPMENT INSTALL LOCATIONS ARE SUBJECT TO FIELD REVISIONS

SIGNATURE BLOCK

TITLE	SIGNATURE	DATE
CONSTRUCTION MANAGER		
RF ENGINEER		
REAL ESTATE		
SITE ACQUISITION		
PROPERTY OWNER		
POLE OWNER		

PROJECT SUMMARY

APPLICANT:
VERIZON WIRELESS
3245 158TH AVE SE
MS231
BELLEVUE, WA 98008

APPLICANT AGENT:
MD7
617 8TH AVENUE S
SEATTLE, WA 98104
CONTACTS: STEPHAN EVENSON
PHONE: 206-427-5543
emails: sevenson@md7.com

DESIGN CONSULTANT:
CAMP ASSOCIATES INC.
19401 40TH AVE W, SUITE 304
LYNWWOD, WA 98036
CONTACT: ERIC CAMP
PHONE: 425-740-6392
FAX: 425-224-1614

SITE NAME: ARCHERLINE

SITE ADDRESS: NORTHWEST BELLEVUE
BELLEVUE, WA

LAND OWNER: TBD

STRUCTURE OWNER: PUGET SOUND ENERGY

JURISDICTION: CITY OF BELLEVUE, WA

PARCEL NUMBERS: SEE SHEET A-1

AREA MAP

DRIVING DIRECTIONS FROM 3245 158TH AVE SE, BELLEVUE, WA TO NODE 1:

1) DEPART 3245 158TH AVE SE, ON 158TH AVE SE (SOUTH-WEST)
2) TURN RIGHT (WEST) ONTO SE EASTGATE WAY
3) TURN LEFT (WEST) ONTO RAMP0.2 MI-90 W / SEATTLE
4) TAKE RAMP (LEFT) ONTO I-90 [MOUNTAINS TO SOUND GREENWAY-I-90]
5) AT EXIT 10, TURN RIGHT ONTO TAKE RAMP (RIGHT) ONTO I-405 N / BELLEVUE / EVERETT
6) AT EXIT 13, TURN RIGHT ONTO RAMP NE 4TH ST / NE 8TH ST
7) KEEP RIGHT TO STAY ON RAMP N.E. 8TH ST.
8) KEEP LEFT TO STAY ON RAMP N.E. 8TH ST. WEST 9) KEEP RIGHT TO STAY ON RAMP NE 8TH ST WEST
10) BEAR RIGHT (WEST) ONTO NE 8TH ST
11) TURN RIGHT (NORTH) ONTO BELLEVUE WAY NE [104TH AVE NE]
12) KEEP STRAIGHT ONTO BELLEVUE WAY (NE)
13) TURN LEFT (WEST) ONTO NE 24TH ST, ARRIVE AT LOCATION OF NODE 1

verizon
md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES
19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
FAX: (425) 224-1614
WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
TITLE SHEET

SHEET NUMBER
T-1.0

PROJECT NUMBER
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CONTRACTOR NOTES:

THE ARCHITECTS/ENGINEERS HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. CONTRACTORS BIDDING THE JOB ARE NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS. THE BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE ARCHITECT/ENGINEER OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED OTHERWISE.

GENERAL NOTES:

DRAWINGS ARE NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE, AND THIS SET OF PLANS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY, UNLESS NOTED OTHERWISE. THE GENERAL CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR, AND ANYTHING ELSE DEEMED NECESSARY TO COMPLETE INSTALLATIONS AS DESCRIBED HEREIN.

PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS INVOLVED SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE NEW PROJECT, WITH THE CONSTRUCTION AND CONTRACT DOCUMENTS, FIELD CONDITIONS AND CONFIRM THAT THE PROJECT MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY ERRORS, OMISSIONS, OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER IN WRITING.

THE GENERAL CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURER'S/ VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.

ALL WORK PERFORMED ON PROJECT AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.

THE STRUCTURAL COMPONENTS OF THIS PROJECT SITE/FACILITY ARE NOT TO BE ALTERED BY THIS CONSTRUCTION PROJECT UNLESS NOTED OTHERWISE.

ANTENNA SUPPORTING POLE IS UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION SUB-CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS. ERECTION SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF PERSONNEL AND PROPERTY FROM HAZARDOUS EXPOSURE TO OVERHEAD DANGERS.

GENERAL CONTRACTOR SHALL PROVIDE AT THE PROJECT SITE A FULL SET OF CONSTRUCTION DOCUMENTS UPDATED WITH THE LATEST REVISIONS AND ADDENDA OR CLARIFICATIONS FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.

DETAILS INCLUDED HEREIN ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS OR SITUATIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE SCOPE OF WORK.

THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION UPON COMPLETION OF WORK, CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.

CONTRACTOR SHALL ENSURE THE GENERAL WORK AREA IS KEPT CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY, PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.

THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND NATIONAL CODES, REGULATIONS AND SAFETY REGULATIONS, ALL OSHA REGULATIONS, ALL PUBLIC AND MUNICIPAL AUTHORITIES, AND ANY UTILITY COMPANIES' REGULATIONS AND DIRECTIVES.

THE DRAWINGS AND SPECIFICATIONS ARE A GENERAL DIRECTIVE FOR THE SCOPE OF WORK. EXACT DIMENSIONS AND LOCATIONS MAY CHANGE IN THE FIELD. THE CONTRACTOR IS TO VERIFY THE DIMENSIONS AND LOCATIONS AND REPORT ANY AND ALL DISCREPANCIES TO REPRESENTATIVE. ANY MINOR ERRORS AND OMISSIONS IN THE DRAWINGS AND SPECIFICATIONS DOES NOT EXCUSE THE CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.

CONTRACTOR IS RESPONSIBLE FOR FIELD MEASUREMENTS TO CONFIRM LENGTHS OF CABLE TRAYS AND ELECTRICAL LINES AND ANTENNA MOUNTING.

VERIFICATION THAT EXISTING TOWER/POLE/STRUCTURE CAN SUPPORT THE PROPOSED ANTENNA, COAX & ADDITIONAL EQUIPMENT LOADING IS TO BE DONE BY OTHERS.

CIVIL NOTES:

1. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND STIPULATED IN THE SPECIFICATION PROJECT SUMMARY.
2. RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
3. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE PCS EQUIPMENT, TOWER AREAS, AND ADJACENT BUILDINGS.
4. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
5. THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO THE CRUSHED STONE APPLICATION.

SUBGRADE AND BASE PREPARATION:

1. FOR SLAB-ON-GRADE CONSTRUCTION IT WILL BE NECESSARY TO OVEREXCAVATE THE SITE BY 2'-0" AND IMPORT AN APPROVED GRANULAR FILL. THE FILL SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY UNIT WEIGHT WITH A MOISTURE CONTENT WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D-1557).COMPACTION REQUIREMENTS APPLY TO BACKFILL FOR UTILITY TRENCHES AND FOUNDATION EXCAVATIONS WITHIN STRUCTURES, DRIVEWAYS, OR PARKING LOT AREAS.
2. COMPACTION SHALL BE ACCOMPLISHED BY PLACING THE FILL IN SUCCESSIVE, HORIZONTAL, APPROXIMATELY SIX- TO EIGHT-INCH LOOSE LIFTS AND MECHANICALLY COMPACTING EACH LIFT TO AT LEAST THE SPECIFIED MINIMUM DRY DENSITY.
3. ANY ORGANIC MATERIAL, DELETERIOUS MATERIAL, OR DISTURBED SOIL SHALL BE REMOVED FROM FLATWORK AREAS.
4. THE GROUND SURFACE SURROUNDING EXTERIOR STRUCTURES SHALL BE SLOPED TO DRAIN AWAY IN ALL DIRECTIONS.

CONCRETE NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH A.C.I. 301, A.C.I. 318 AND THE SPECIFICATION CAST-IN-PLACE CONCRETE.
2. UNLESS NOTED OTHERWISE, ALL CAST-IN-PLACE CONCRETE SHALL BE NORMAL WEIGHT, AIR-ENTRAINED CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 POUNDS PER SQUARE INCH AT 28 DAYS. TYPE I-II PORTLAND CEMENT WILL BE USED WITH A MAXIMUM AGGREGATE SIZE OF 3/4" AND 6% ±1% AIR ENTRAINMENT. ALL CONCRETE WILL HAVE A MAXIMUM WATER/CEMENT (W/C) RATIO OF 0.48.
3. ALL CONCRETE FLATWORK SHALL HAVE A STIFF BROOM FINISH AND HAVE A SLOPE OF 1/8" PER FOOT UNLESS NOTED OTHERWISE.
4. REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO A.S.T.M. A615, GRADE 60, DEFORMED.
5. DETAIL, FABRICATE AND ERECT REINFORCEMENT BARS, INCLUDING BAR SUPPORTS, SPACERS, ETC. IN ACCORDANCE WITH "DETAILING OF CONC. REINFORCEMENT" (A.C.I. 315-80, REV. 1986).
6. UNLESS OTHERWISE NOTED, ALL LAP SPLICES SHALL BE CLASS B CONFORMING TO ACI 318-95.
7. A CHAMFER OF 1" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE IN ACCORDANCE WITH A.C.I. 301 SECTION 4.2.4 UNLESS OTHERWISE NOTED.
8. CONCRETE WORK SHALL BE COORDINATED WITH THE MECHANICAL, EQUIPMENT, AND ELECTRICAL WORK TO ASSURE THAT ALL AFFECTED PIPES, CONDUITS INSERTS, ETC. ARE IN PLACE AND VERIFIED BEFORE PLACING CONCRETE.
9. CONCRETE COVER FOR REINFORCING BARS SHALL CONFORM TO THE FOLLOWING UNLESS INDICATED OTHERWISE ON THE DRAWINGS.

-CONCRETE EXPOSED TO WEATHER OR IN CONTACT WITH GROUND -	2 INCHES
-CONCRETE CAST AGAINST EARTH-	3 INCHES

10. COORDINATE LOCATION OF STEEL ANCHOR BOLTS WITH STEEL FABRICATOR PRIOR TO INSTALLATION IN FIELD.
11. CONTRACTOR SHALL PROVIDE SLEEVES FOR ALL WALL/SLAB PENETRATIONS (PIPING, CONDUIT,ETC.) POWER, TELCO AND COAX TO ENTER SITE UNDER EQUIPMENT SLAB.

METAL NOTES:

PART 1 - GENERAL

1. SECTION INCLUDES:
   STRUCTURAL STEEL FRAMING MEMBERS, BASE PLATES, PLATES, BARS AND GROUTING UNDER BASE PLATES.
2. SUBMITTALS:
   SHOP DRAWINGS: INDICATE SIZES, SPACING, AND LOCATIONS OF STRUCTURAL MEMBERS, OPENINGS, CONNECTIONS, CAMBERS, LOADS, AND WELDED SECTIONS.
3. QUALITY ASSURANCE
   A. FABRICATE STRUCTURAL STEEL MEMBERS IN ACCORDANCE WITH AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
   B. PERFORM DESIGN UNDER DIRECT SUPERVISION OF A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE.

PART 2 - PRODUCTS

1. MATERIALS:

A.	STRUCTURAL STEEL MEMBERS:	ASTM A572, GRADE 50
B.	STRUCTURAL TUBING:	ASTM A500, GRADE B
C.	PIPE:	ASTM A53, TYPE E OR S, GRADE B
D.	BOLTS, NUTS, AND WASHERS:	ASTM A325
E.	ANCHOR BOLTS:	ASTM A307
F.	WELDING MATERIALS:	AWS D1.1, TYPE REQUIRED FOR MATERIALS BEING WELDED
G.	GROUT:	NON-SHRINK TYPE, PREMIXED COMPOUND CONSISTING OF NONMETALLIC AGGREGATE, CEMENT, WATER REDUCING AND PLASTICIZING ADDITIVES, CAPABLE OF DEVELOPING A MINIMUM COMPRESSIVE STRENGTH OF 10000 psi AT 28 DAYS.
H.	SHOP AND TOUCH-UP PRIMER:	SSPC 15, TYPE I, RED OXIDE
I.	TOUCH-UP PRIMER FOR GALV. SURFACES:	ZINC RICH TYPE

2. FABRICATION:
   CONTINUOUSLY SEAL JOINTED MEMBERS BY CONTINUOUS WELDS. GRIND EXPOSED WELDS SMOOTH.
3. FINISH:
   A. PREPARE STRUCTURAL COMPONENT SURFACES IN ACCORDANCE WITH SSPC SP-1 TO SP-10 PROCEDURES.
   B. STRUCTURAL STEEL MEMBERS SHALL BE HOT DIPPED GALVANIZED.

PART 3 - EXECUTION

1. EXAMINATION AND PREPARATION:
   VERIFY THAT THE FIELD CONDITIONS ARE ACCEPTABLE.
2. ERECTION:
   A. ALLOW FOR ERECTION LOADS. PROVIDE TEMPORARY BRACING TO MAINTAIN FRAMING IN ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRIDGING AND BRACING.
   B. FIELD WELD COMPONENTS INDICATED ON SHOP DRAWINGS.
   C. DO NOT FIELD CUT OR ALTER STRUCTURAL MEMBERS WITHOUT APPROVAL OF THE ARCHITECT/ENGINEER.
   D. AFTER ERECTION, TOUCH-UP WELDS, ABRASIONS, AND SURFACES NOT SHOP PRIMED OR GALVANIZED WITH TOUCH-UP PRIMERS AS SPECIFIED UNDER SECTION 05000,-METALS, PART 2 - PRODUCTS, H & I. SURFACES TO BE IN CONTACT WITH CONCRETE NOT INCLUDED.
3. FIELD QUALITY CONTROL:
   FIELD INSPECTION OF MEMBERS, CONNECTIONS, WELDS AND TORQUING.

TELECOMMUNICATIONS WIRING COMPONENTS (COAXIAL ANTENNA CABLE)

1. GENERAL
   A. ALL MATERIALS, PRODUCTS OR PROCEDURES INCORPORATED INTO WORK SHALL BE NEW AND OF STANDARD COMMERCIAL QUALITY.
   B. CERTAIN MATERIALS AND PRODUCTS WILL BE SUPPLIED BY THE OWNER (REFER TO GENERAL CONDITIONS FOR THE LIST OF OWNER FURNISHED EQUIPMENT, MATERIALS AND SUPPLIES FOR THESE ITEMS). THE CONTRACTOR IS RESPONSIBLE FOR PICKUP AND DELIVERY OF ALL SUCH MATERIALS
   C. ALL OTHER MATERIALS AND PRODUCTS SPECIFIED IN THE CONTRACT DOCUMENTS SHALL BE SUPPLIED BY THE CONTRACTOR.
2. MATERIALS:
   A. COAXIAL CABLE:
      1. INSTALL COAXIAL CABLE AND TERMINATIONS BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS WITH COAXIAL CABLES SUPPORTED AT NO MORE THAN 3'-0" O.C. WEATHERPROOF ALL CONNECTORS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURERS' REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF EQUIPMENT LOCATION UNLESS OTHERWISE STATED.
      2. ALL COAX RUN LENGTHS GREATER THAN 143 FEET SHALL BE 1-5/8" AND IN LENGTH LESS THAN OR EQUAL TO 143 FEET SHALL BE 7/8".
3. ANTENNA AND COAXIAL CABLE GROUNDING
   A. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS)
4. COAXIAL CABLE IDENTIFICATION
   A. TO PROVIDE EASY IDENTIFICATION AND UNIFORM MARKING OF ANTENNA CABLING, PLASTIC TAGS SHALL BE USED AT THE FOLLOWING LOCATIONS:
      1. FIRST LOCATION IS AT THE END OF THE COAX NEAREST THE ANTENNA (WHERE THE COAXIAL CABLE AND JUMPER ARE CONNECTED).
      2. SECOND LOCATION IS INSIDE THE EQUIPMENT SHELTER NEAR THE WAVEGUIDE ENTRY PORT.
   B. USE ANDREW CABLE TIES (PT.# 27290) TO SECURE IDENTIFICATION TAGS.
5. TESTING
   VERIZON WIRELESS SHALL PROVIDE AN INDEPENDENT TESTING AGENCY TO PERFORM THE COAXIAL SWEEP TEST & REPORT. THE CONTRACTOR IS TO PROVIDE CLIMBER / QUALIFIED PERSONNEL TO ASSIST IN ANY REPAIRS AND WEATHERPROOFING ONCE THE TEST IS COMPLETE. THE CONTRACTOR IS TO PROVIDE VERIZON WIRELESS A MINIMM OF 48 HOURS NOTICE PRIOR TO THE TIME OF THE SWEEP TEST.

ELECTRICAL NOTES:

INSTALLATION OF SECONDARY POWER AND CONNECTION TO METER SHALL BE COMPLETED IN COMPLIANCE WITH NATIONAL ELECTRIC CODE, NFPA 70, AND THE STATE LAWS, RULES AND REGULATIONS FOR INSTALLING ELECTRIC WIRES & EQUIPMENT, ALL LATEST ISSUE, AND WITH SPECIFICATIONS PER A.S.T.M. B 231, B 400, I.C.E.A. S-61-402, I.C.E.A. P-81-570, & LOCAL PUD.

PROVIDE A METER BASE PER LOCAL UTILITY STANDARDS, MOUNT ON SIDE OF OWNER FURNISHED BACK BOARD.

UNDERGROUND CONDUIT SHALL BE RIGID POLYVINYL CHLORIDE CONDUIT: SCHEDULE 40, TYPE I, CONFORMING TO UL ARTICLE 651: WESTERN PLASTICS OR CARLON MANUFACTURER. COUPLINGS SHALL BE SLIP-ON, SOLVENT SEALED T PIPE: SOLVENT, WESTERN TYPE COMPATIBLE WITH PVC DUCT. ALL BENDS SHALL BE "LIDE SWEEP" TYPE WITH A 24" MINIMUM RADIUS. ALL CONDUIT UNDER ROADS SHALL BE RGS, (OR PVC ENCASED IN 8"x18" RED CONCRETE DUCTBANK).

CONDUIT USED INDOORS SHALL BE E.M.T., AND RIGID GALVANIZED STEEL FOR OUTDOORS. COUPLINGS SHALL BE RIGID STEEL AND COMPRESSION TYPE FOR E.M.T. SET SCREW FITTINGS ARE NOT PERMITTED. FOR ALL STUBS-UPS, USE RIGID GALVANIZED STEEL CONDUIT.

WIRE AND CABLE SHALL BE OF THE TYPE AND SIZE AS REQUIRED BY NEC. THERE WILL BE NO SPLICES ALLOWED.
PROVIDE HDPE PULLING HAND HOLES AS NEEDED.

CONTRACTOR SHALL PROVIDE TEST OF THE GROUNDING SYSTEM BY CERTIFIED TESTING AGENT. PROVIDE INDEPENDENT TEST RESULTS TO THE PROJECT MANAGER FOR REVIEW. GROUNDING SYSTEM RESISTANCE TO GROUND SHALL NOT EXCEED 5 OHMS. ALL ABOVE GRADE INTERIOR GROUNDING CONNECTORS SHALL BE DOUBLE-LUG COMPRESSION TYPE. ALL BELOW GRADE AND EXPOSED EXTERIOR GROUNDING CONNECTIONS TO PERMANENT EQUIPMENT AND FIXED BUILDING ELEMENTS SHALL BE CADWELD TYPE. CARE SHALL BE TAKEN TO REVIEW CONNECTION LOCATIONS AND MATERIAL TYPES TO AVOID POSSIBLE GALVANIC CORROSION. ALL EXPOSED GROUNDING CONNECTIONS TO BE COATED WITH ANTI-CORROSIVE AGENT SUCH AS "NO-OXY", "NOALOX" OR "PENETROX". VERIFY PRODUCT WITH PROJECT MANAGER. ALL BOLTS, WASHERS AND NUTS USED ON GROUNDING CONNECTIONS SHALL BE STAINLESS STEEL.

ALL EXTERIOR GROUND BARS SHALL BE COATED WITH ANTI-CORROSIVE AGENT SUCH AS LPS-3 OR AS PER NOTE 6 ABOVE.

ALL JUNCTION AND OUTLET BOXES TO BE LABELED WITH KROY TAPE, OR EQUAL, DESIGNATING ALL CIRCUIT NUMBERS CONTAINED IN EACH BOX.

CONTRACTOR TO ENSURE ILC PROVIDED WITH (2) INTERNAL TVSS.

CONTRACTOR SHALL COORDINATE WITH SITE SURVEY TO LOCATE EXISTING UNDERGROUND UTILITIES. WHEREVER POTENTIAL CONFLICTS/ INTERFERENCES EXIST, HAND EXCAVATE TO AVOID DAMAGE. CONTACT ALL UTILITIES TO LOCATE UNDERGROUND PIPING IN PUBLIC ROW.

VERIFY THAT A.I.C. OF THE UTILITY DOES NOT EXCEED THE A.I.C. RATING OF THE PROVIDED EQUIPMENT SHELTER PACKAGE. IF OVER 10KAIC, PROVIDE FUSIBLE SERVICE ENTRANCE SWITCH AND CONFIRM LOWERING OF AIC TO ACCEPTABLE LEVELS.

UTILITY POINTS OF SERVICE AND WORK / MATERIALS SHOWN ARE BASED UPON PRELIMINARY INFORMATION PROVIDED BY THE UTILITY COMPANIES AND ARE FOR BID PURPOSES ONLY.

CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR FINAL AND EXACT WORK / MATERIALS REQUIREMENTS AND CONSTRUCT TO UTILITY COMPANY ENGINEERING PLANS AND SPECIFICATIONS ONLY. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, PULL ROPES, CABLES, PULL BOXES, CONCRETE ENCASEMENT OF CONDUIT (IF REQUIRED), TRANSFORMER PAD, BARRIERS, POLE RISERS, TRENCHING, BACKFILL, PAY ALL UTILITY COMPANY FEES AND INCLUDE ALL REQUIREMENTS IN SCOPE OF WORK.

GROUNDING NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION SPECIFICATIONS AND ALL APPLICABLE LOCAL CODES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT.
4. ALL GROUND CONNECTIONS BELOW GRADE SHALL BE EXOTHERMIC (CADWELD).
5. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR & EXTERIOR) SHALL BE FORMED USING TWO (2) HIGH PRESS CRIMPS.
6. ALL EXOTHERMIC CONNECTIONS TO THE GROUND RODS SHALL START AT THE TOP & HAVE A VERTICAL SEPARATION OF 6" FOR EVERY ADDITIONAL CONNECTION.
7. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
8. ALL EXTERIOR GROUND CONDUCTORS SHALL BE #2 AWG TIN PLATED COPPER UNLESS OTHERWISE INDICATED.
9. GROUND RODS SHALL BE STAINLESS STEEL OR COPPER CLAD STEEL, 5/8"ø ØFT. LONG (OR NOTED OTHERWISE ON PLANS), AND SHALL BE DRIVEN VERTICALLY WITH THEIR TOPS 18" BELOW FINAL GRADE OR 6" BELOW FROST LINE FOR MAXIMUM DEPTH.
10. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED. BACK TO BACK CONNECTIONS ON OPPOSITE SIDES OF THE GROUND BUS ARE PERMITTED.
11. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
12. GROUND RING SHALL BE LOCATED A MINIMUM OF 24" BELOW GRADE OR 6" MINIMUM BELOW THE FROST LINE.
13. INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE PAD, SPREAD FOOTING, OR FENCE.
14. EXOTHERMIC WELD GROUND CONNECTION TO FENCE POST. TREAT WITH A COLD GALVANIZED SPRAY.
15. OBSERVE N.E.C. AND LOCAL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE GROUNDING
16. GROUNDING ATTACHMENT TO TOWER SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS OR AT GROUNDING POINTS PROVIDED (2 MINIMUM)
17. MAXIMUM RESISTANCE OF THE COMPLETED GROUND SYSTEM SHALL NOT EXCEED 5 OHMS.
18. CONTRACTOR TO VERIFY CURRENT GROUNDING STANDARDS PRIOR TO CONSTRUCTION.

verizon
md7

ARCHERLINE

(SMALL CELL)

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APPROVED BY: EJC

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SHEET NAME
GENERAL NOTES

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SP-1

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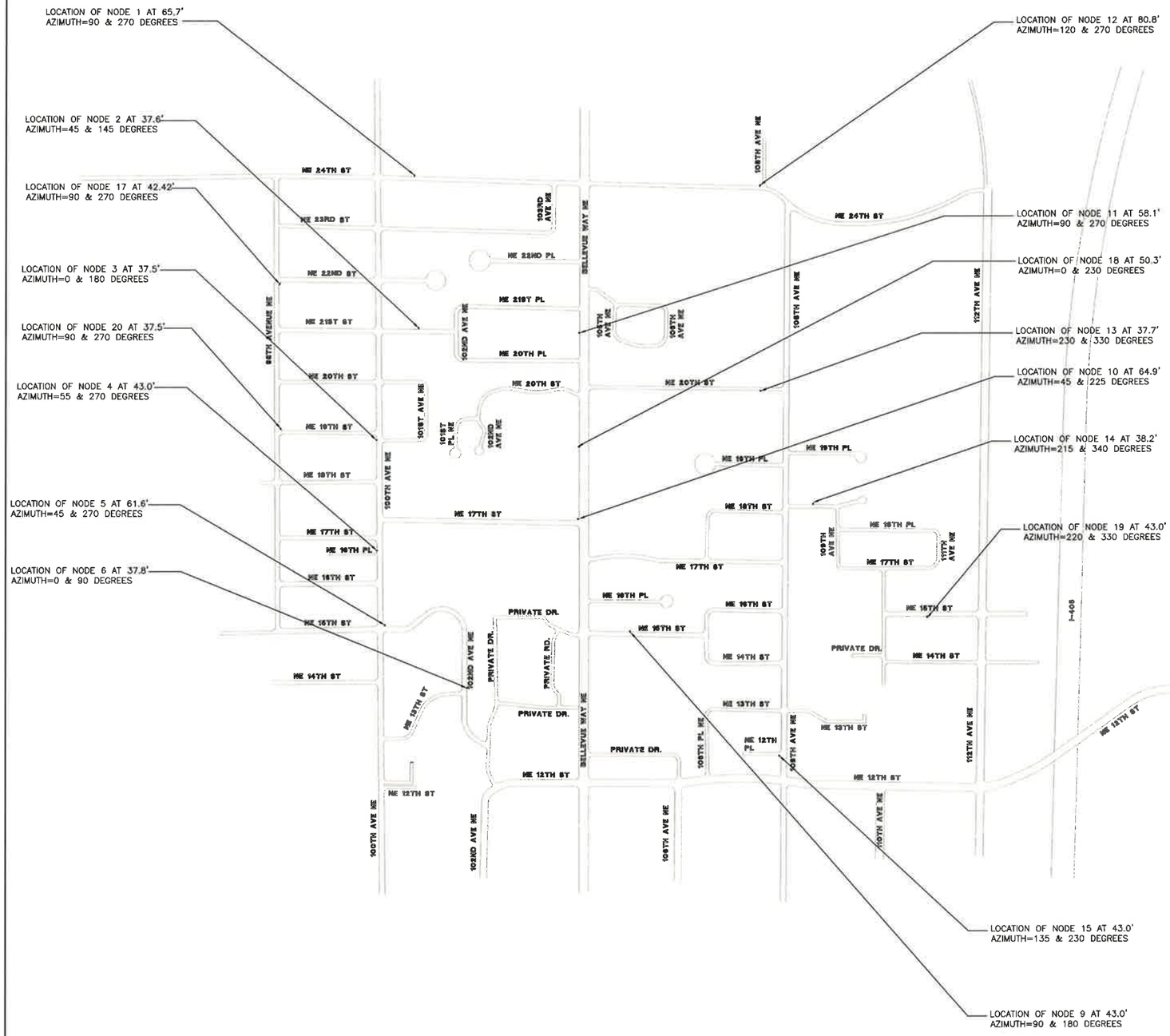

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CONTACTS: STEPHAN EVENSON
PHONE: 206-427-5543
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LEGAL DESCRIPTIONS

NODE 1 TARGET POLE ID: 223356/166185
PARCEL NUMBER: 202505-9139
W 105 FT OF S 170 FT OF SW 1/4 OF SW 1/4 LESS CO RD

NODE 2 TARGET POLE ID: 223256/166196
PARCEL NUMBER: 953360-0060
WOODMERE ADD # 2

NODE 3 TARGET POLE ID: 223190/166166
PARCEL NUMBER: 953360-0135
WOODMERE ADD # 2

NODE 4 TARGET POLE ID: NO ID-ONE POLE SOUTH OF 223136/166160
PARCEL NUMBER: 347280-0064
HOUGHTON ACRE TRS E 200 FT OF N 80 FT

NODE 5 TARGET POLE ID: 223059/166161
PARCEL NUMBER: 507840-0265
MANOR HILL ADD 53 & POR OF 55 WLY OF LN RNNG S 00 DEG 25 MIN 20 SEC E FR PT ON WLY LN SD TR 50 FT SWLY OF MOST NLY COR

NODE 6 TARGET POLE ID: 223019/166212
PARCEL NUMBER: 507840-0095
MANOR HILL ADD

NODE 9 TARGET POLE ID: 223054/166325
PARCEL NUMBER: 856240-0015
TALLYHO ADD

NODE 10 TARGET POLE ID: 223127/166289
PARCEL NUMBER: 156260-0000
NO LEGAL DESCRIPTION AVAILABLE AT THIS TIME

NODE 11 TARGET POLE ID: 223252/166291
PARCEL NUMBER: 052405-9143
S 80 FT OF POR OF S 1/2 OF N 1/2 OF N 1/2 OF SE 1/4 OF SW 1/4 LY W OF 104TH AVE SE

NODE 12 TARGET POLE ID: 223352/166412
PARCEL NUMBER: 025000-0280
APPLE VALLEY HOMES # 2

NODE 13 TARGET POLE ID: 223212/166411
PARCEL NUMBER: 292505-9327
LOT 2 BELLEVUE SP 78-55 REC AF #7808160990 SD SP DAF - N 1/2 OF NE 1/4 OF SE 1/4 OF NW 1/4 29-25-05 STR LESS CO RDS LESS THAT POR BEG SE COR THOF TH W 109.50 FT TH N 03-20-45 E 130.39 FT TH S 88-07-50 E 104.95 FT TH S TO POB

NODE 14 TARGET POLE ID: 223139/166443
PARCEL NUMBER: 339150-0010
HOLIDAY HILL ADD

NODE 15 TARGET POLE ID: 222971/166417
PARCEL NUMBER: 072750-0005
BELWAY ADD # 3

NODE 17 TARGET POLE ID: 223288/166101
PARCEL NUMBER: 808660-0035
SUMMIT PLACE REPLAT BLK 15 3RD

NODE 18 TARGET POLE ID: 223193/166290
PARCEL NUMBER: 292505-9088
LOT 1 BELLEVUE SP #82-17 REC #8302179006 SD SP DAF N 256.5 FT OF S 1081.5 FT OF E 509.5 FT OF SW 1/4 OF NW 1/4 OF SEC 29-25-5 LESS STATE RD #2A

NODE 19 TARGET POLE ID: 223061/166552
PARCEL NUMBER: 126620-0100
BURROWS EAST SIDE ADD

NODE 20 TARGET POLE ID: 223191/166099
PARCEL NUMBER: 325050-0080
HENNIGS MOUNTAIN VIEW TO BELLEVUE

NORTH

0 400 800 1200

1 OVERALL SITE PLAN
SCALE: 1" = 400'-0" (22x34), 1" = 800'-0" (11x17)

Received
MAY 17 2016
Permit Processing

verizon
md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES
19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
FAX: (425) 224-1614
WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

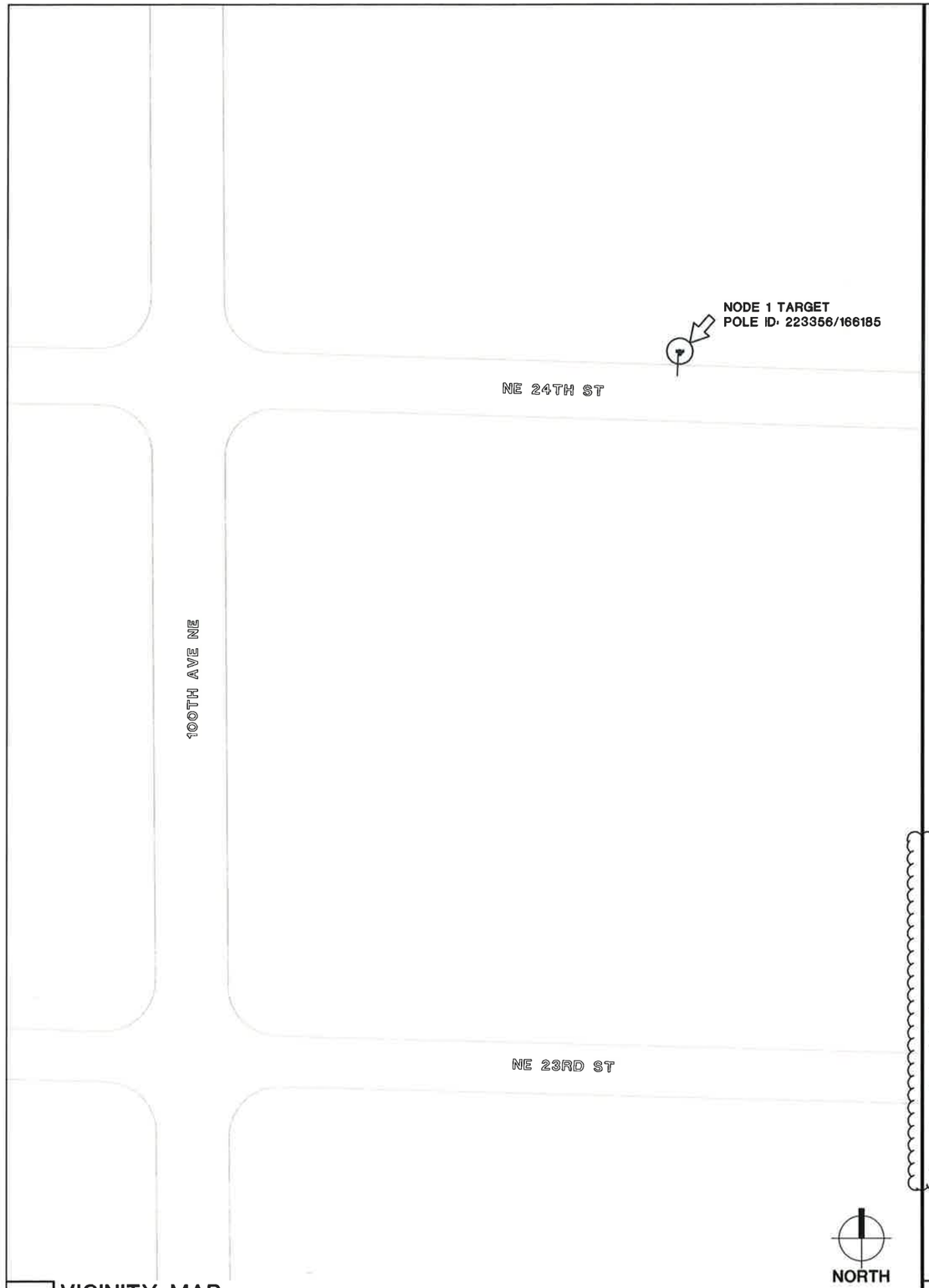
APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
OVERALL SITE PLAN

SHEET NUMBER
A-1

PROJECT NUMBER
--



1 VICINITY MAP
SCALE: NOT TO SCALE

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

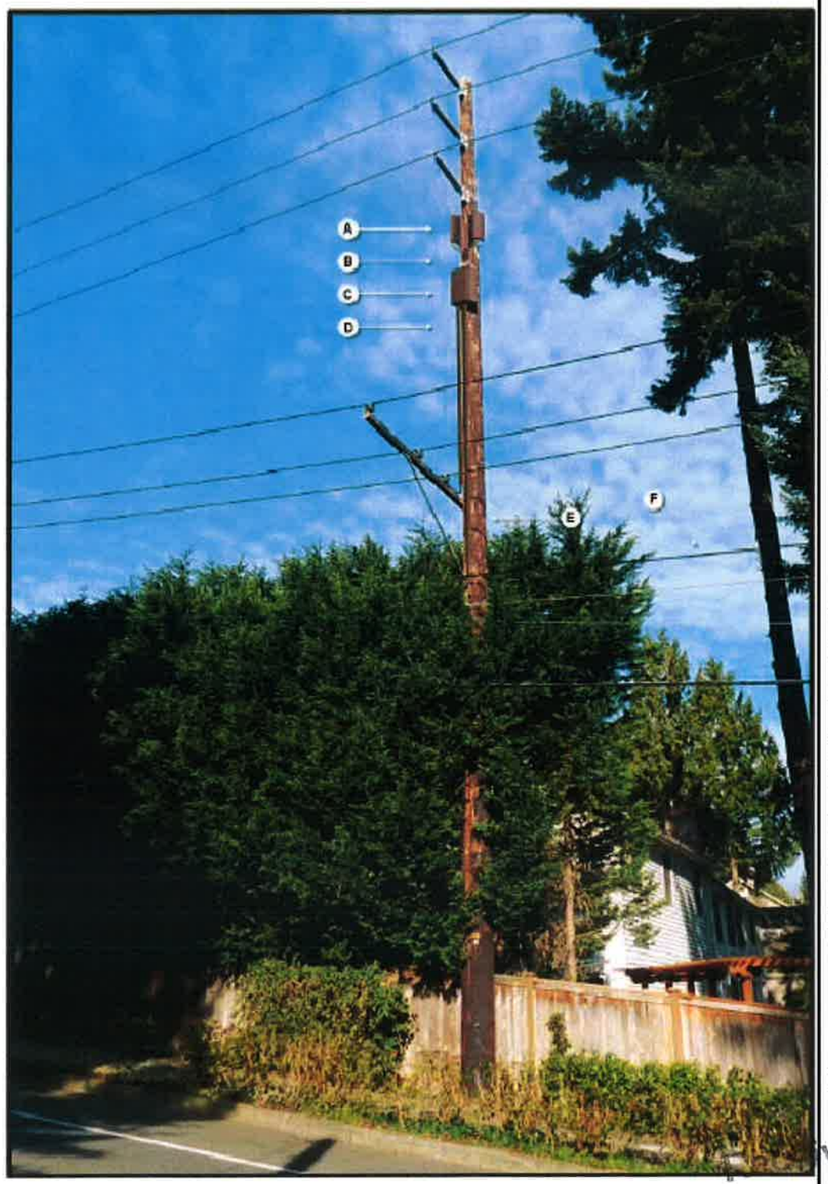
(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC 3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber



3 PROPOSED CONDITION PHOTO
SCALE: NOT TO SCALE

MAY 17 2016
Permit Processing

verizon
md7

ARCHERLINE

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BELLEVUE, WA

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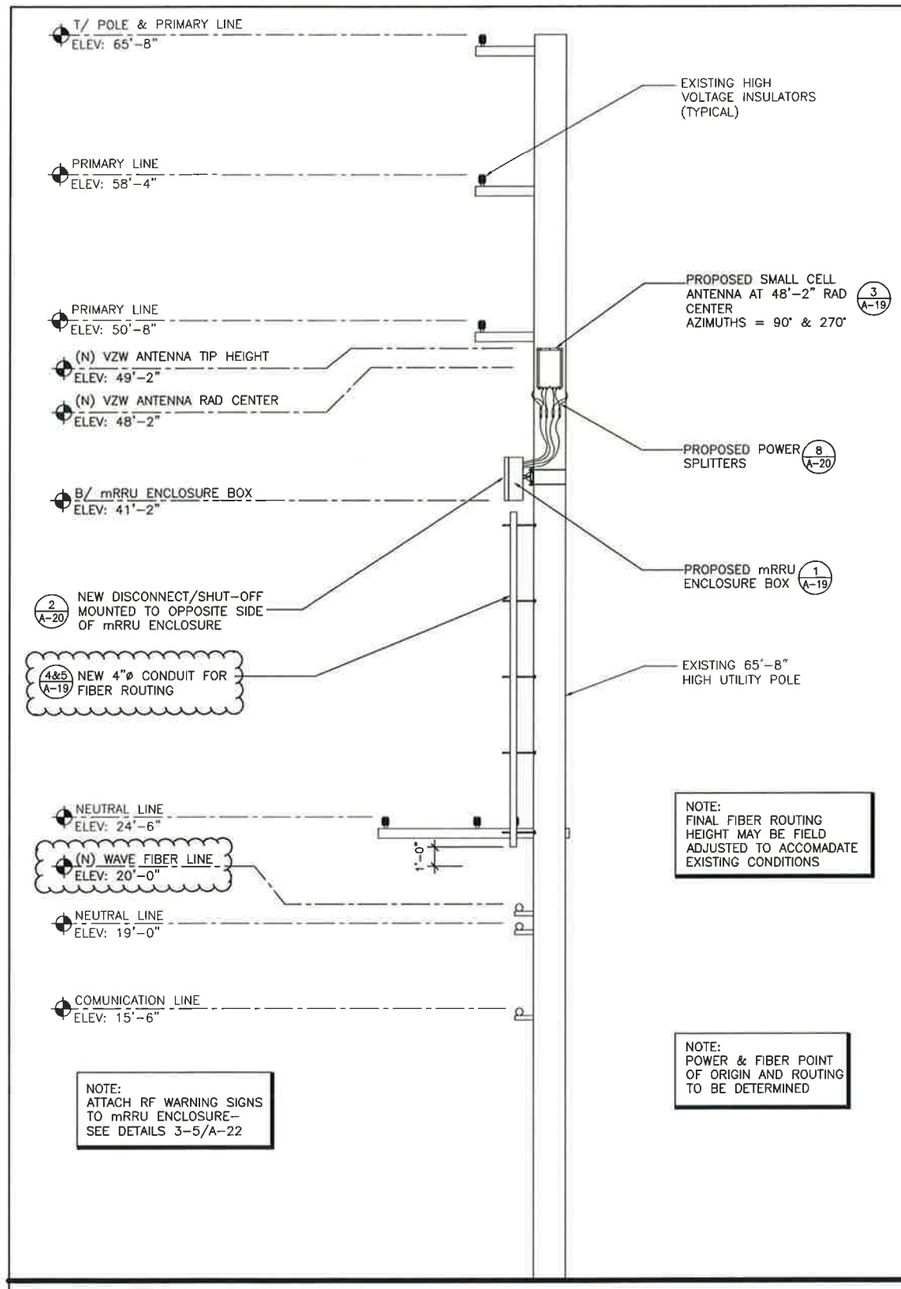
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 1
EXISTING PHOTO
& VICINITY MAP

SHEET NUMBER
A-2.0

PROJECT NUMBER
--

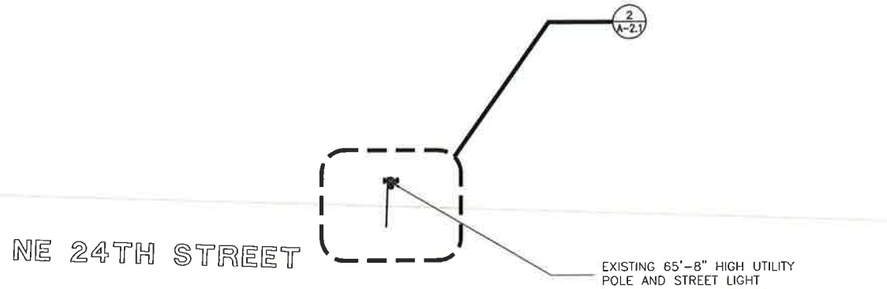


NODE 1
TARGET POLE ID: 223356/166185

1 UTILITY POLE EAST ELEVATION

SCALE: 1/4" = 1'-0" (22x34), 1/8" = 1'-0" (11x17)

0 4 8 12

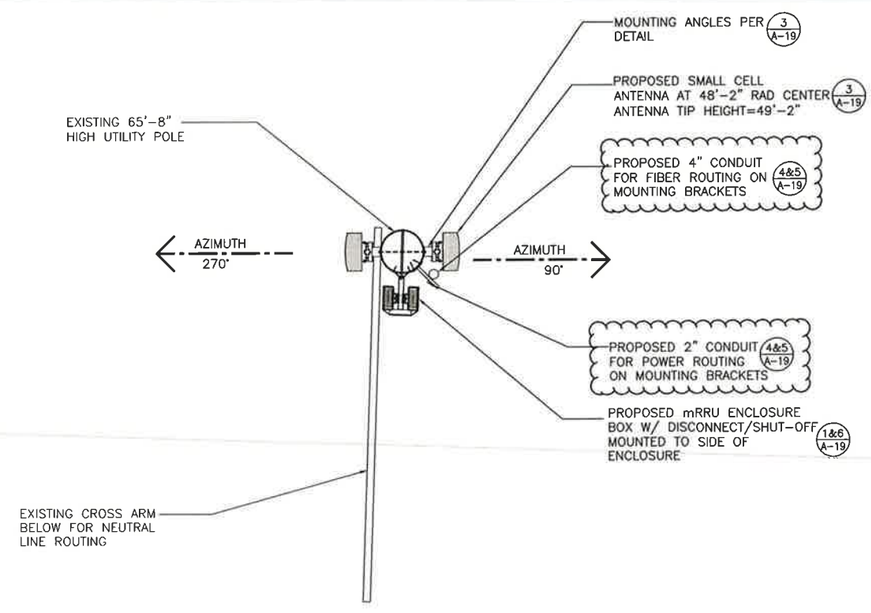


NORTH

3 ENLARGED SITE PLAN

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

0 20 40 80



NORTH

2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

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19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
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PROJECT MANAGER: EJC

PREPARED BY: GA

APPROVED BY: EJC

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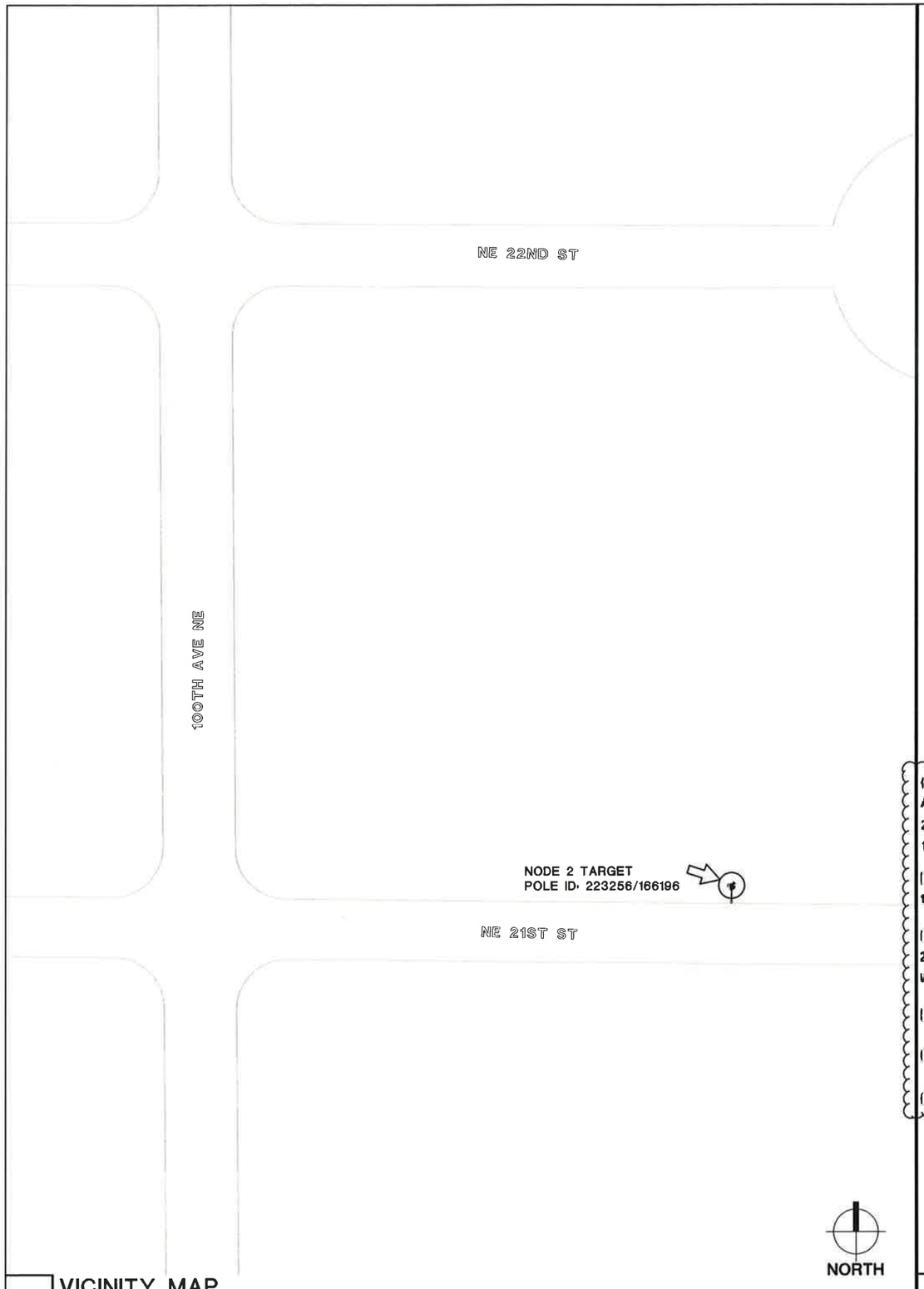
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 1
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

SHEET NUMBER
A-2.1

PROJECT NUMBER
--



1 VICINITY MAP

SCALE: NOT TO SCALE

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

2 PROPOSED CONDITION PHOTO

SCALE: NOT TO SCALE

verizon

md7

ARCHERLINE

(SMALL CELL)

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BELLEVUE, WA

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PROJECT MANAGER: EJC

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APPROVED BY: EJC

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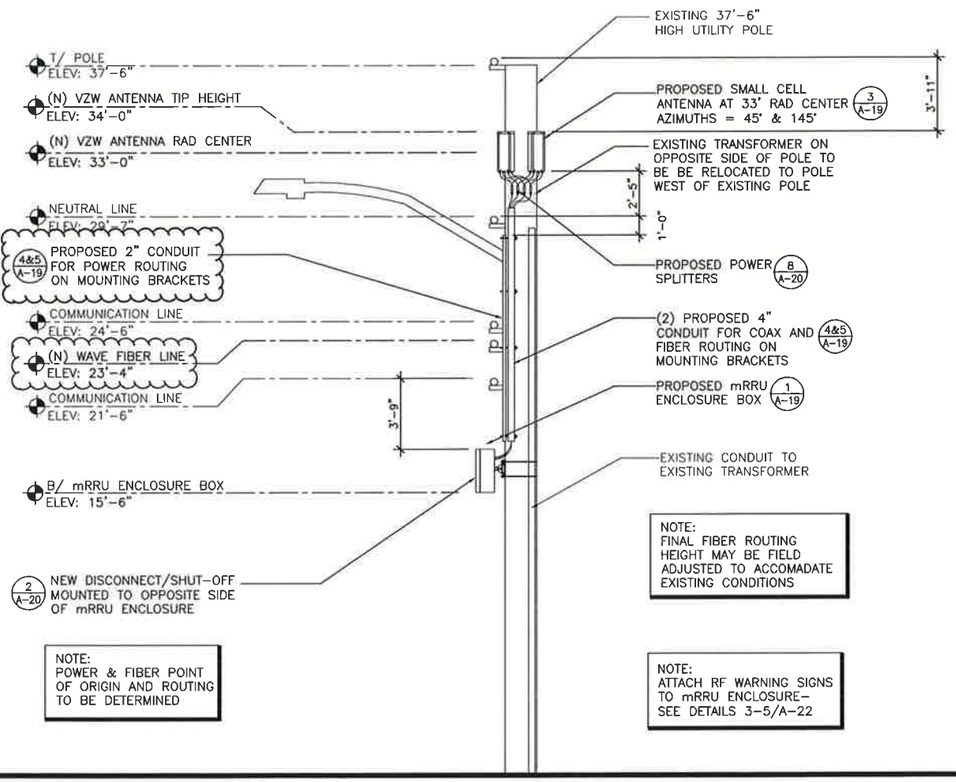
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	5/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 2
EXISTING PHOTO
& VICINITY MAP

SHEET NUMBER
A-3.0

PROJECT NUMBER
--



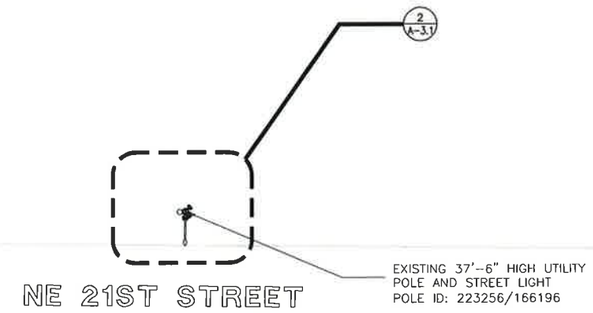
NOTE:
EXISTING TRANSFORMER TO BE RELOCATED TO POLE NUMBER 223257/166181 WEST OF EXISTING POLE SHOWN
LAT: 47°34'45.53" W
LONG: 122°12'22.84" W

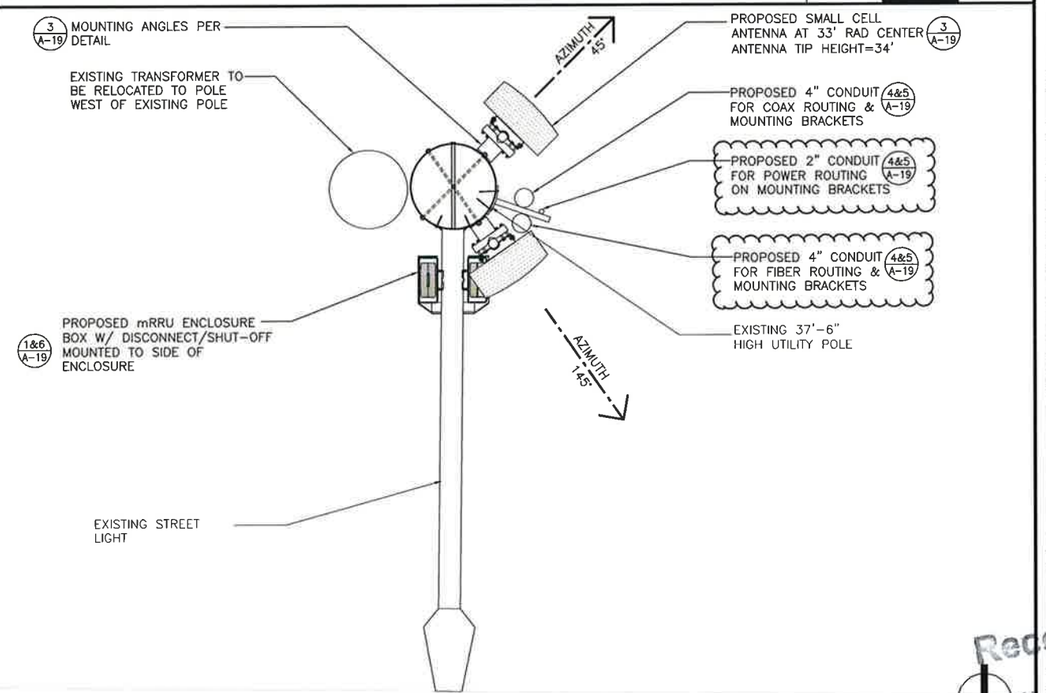
NODE 2
TARGET POLE ID: 223256/166196

1 UTILITY POLE EAST ELEVATION

SCALE: 1/4" = 1'-0" (22x34), 1/8" = 1'-0" (11x17)

0 4 8 12





2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2 4

3 ENLARGED SITE PLAN

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

0 20 40 80

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES
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LYNNWOOD, WA 98036
PHONE: (425) 740-6392
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WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
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5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
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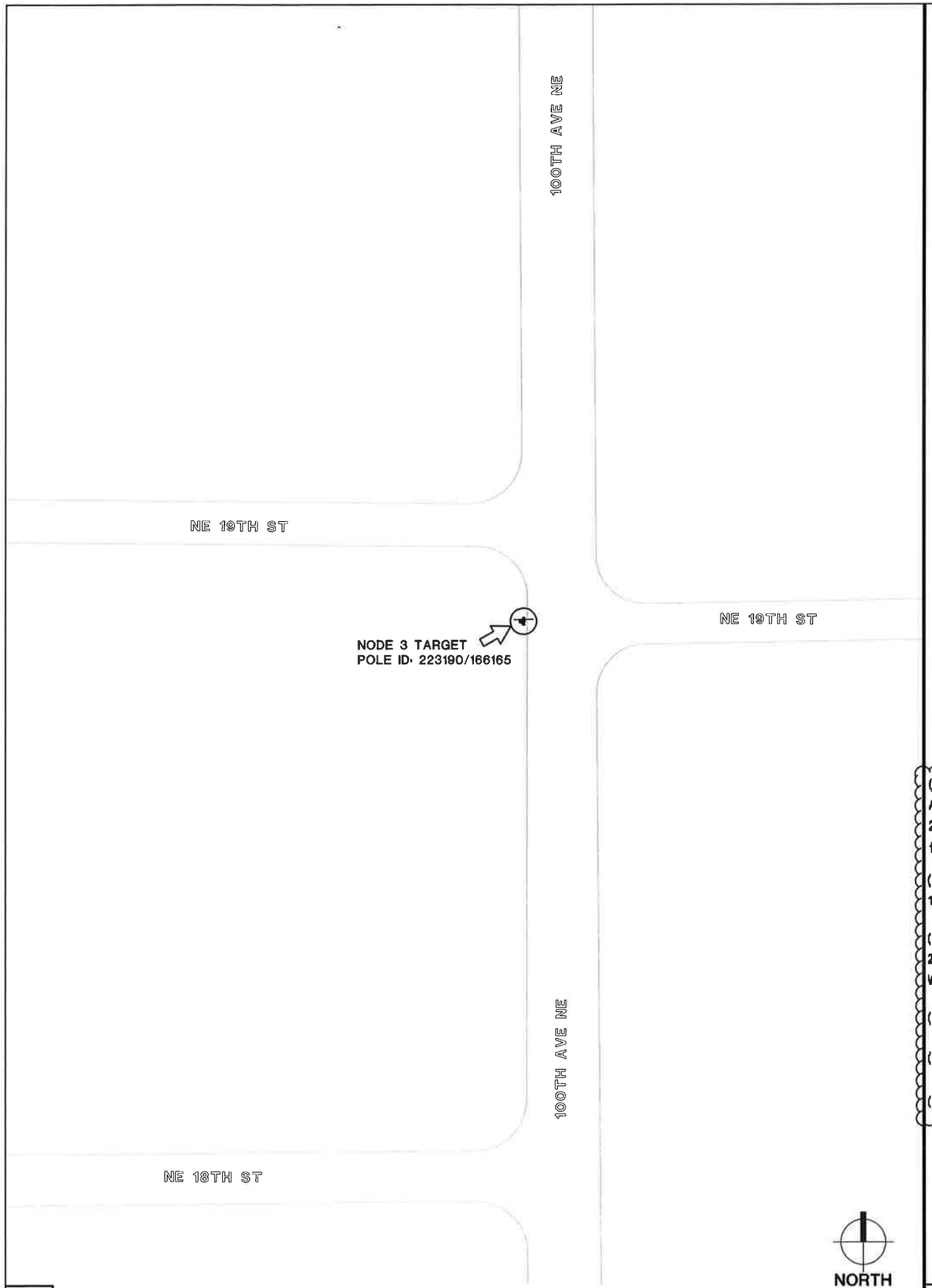
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 2
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

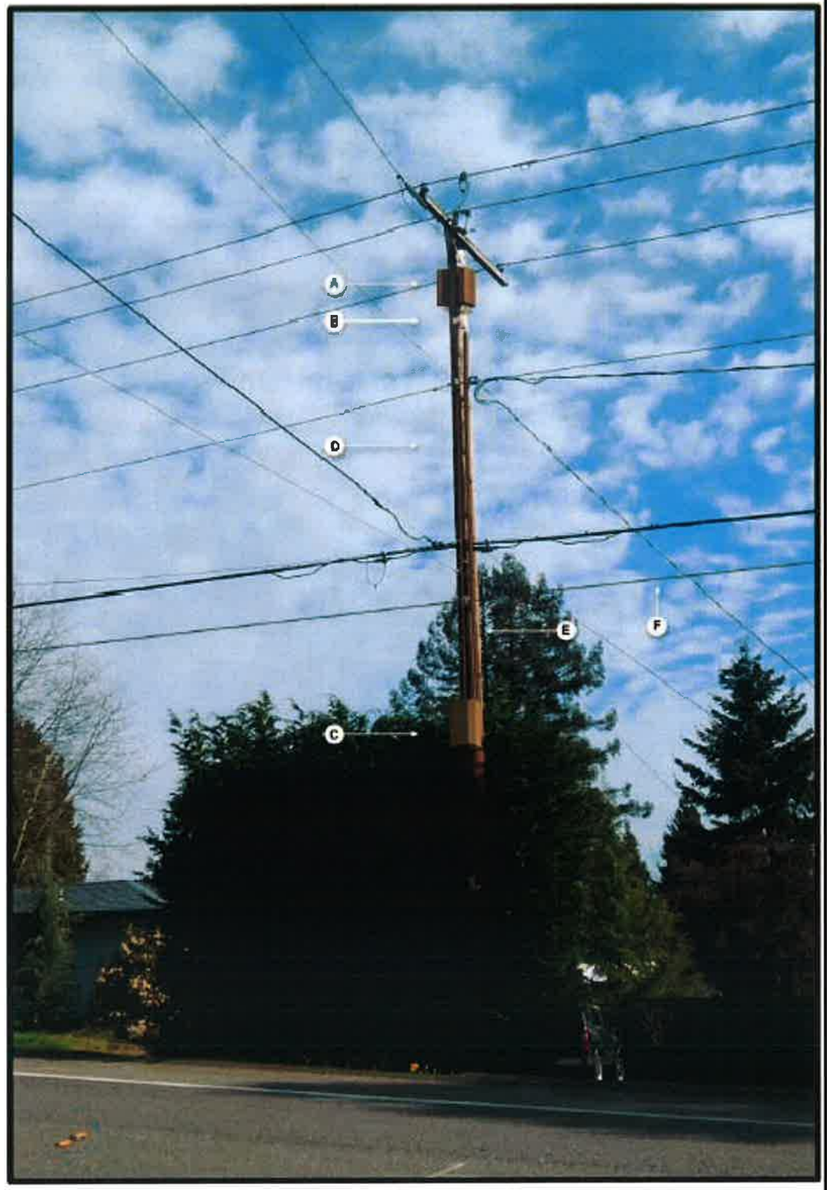
SHEET NUMBER
A-3.1

PROJECT NUMBER
--



1 VICINITY MAP

SCALE: NOT TO SCALE



(A) Antenna (x2)
Amphenol HTXCW63111414Fx0-0
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

2 PROPOSED CONDITION PHOTO

SCALE: NOT TO SCALE

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES

19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
FAX: (425) 224-1814
WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
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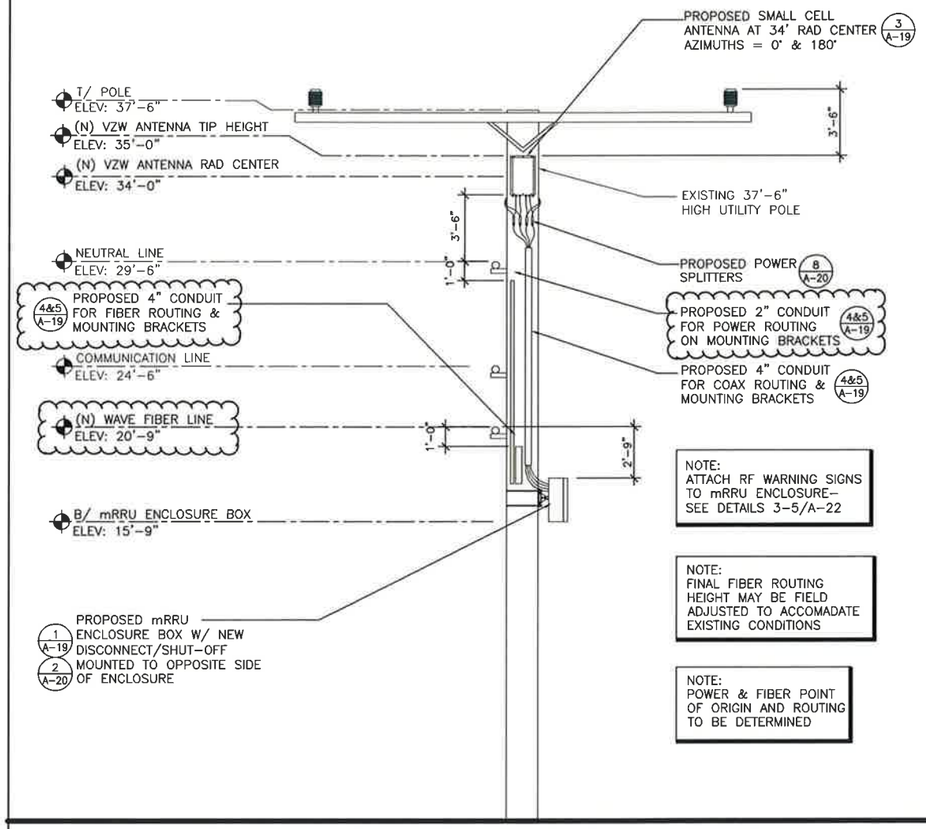
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 3
EXISTING PHOTO
& VICINITY MAP

SHEET NUMBER
A-4.0

PROJECT NUMBER
--

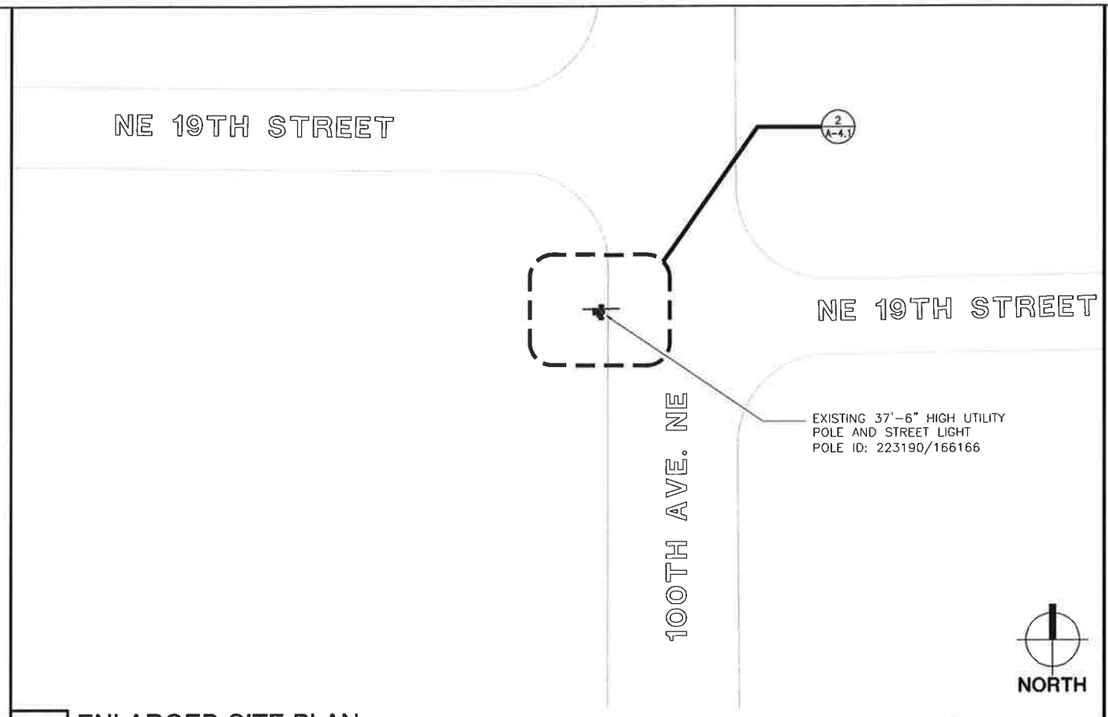


NODE 3
TARGET POLE ID: 223190/166166

1 UTILITY POLE NORTH ELEVATION

SCALE: 1/4" = 1'-0" (22x34), 1/8" = 1'-0" (11x17)

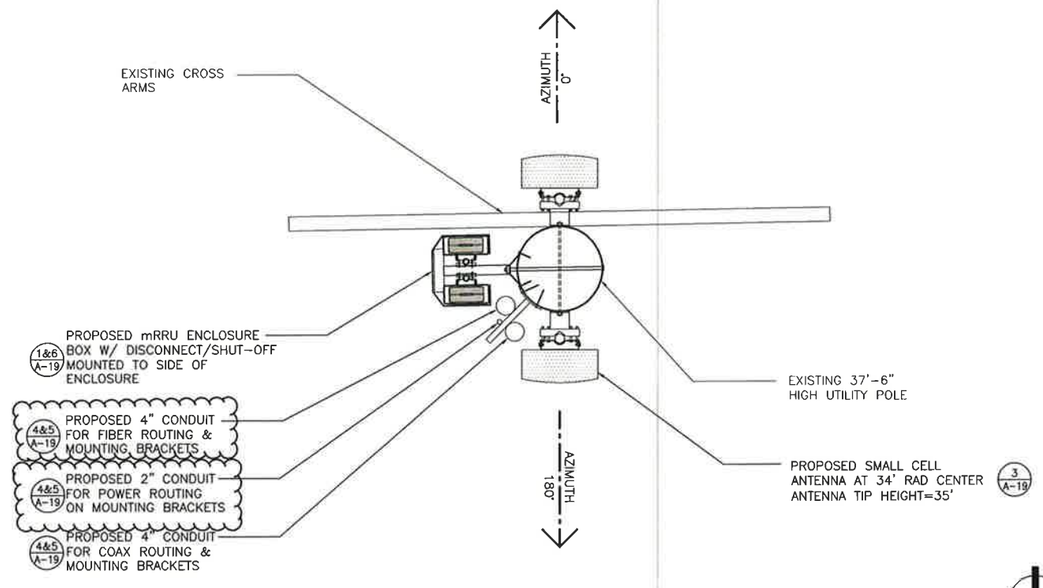
0 4 8 12



3 ENLARGED SITE PLAN

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

0 20 40 80



2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2 4 8

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

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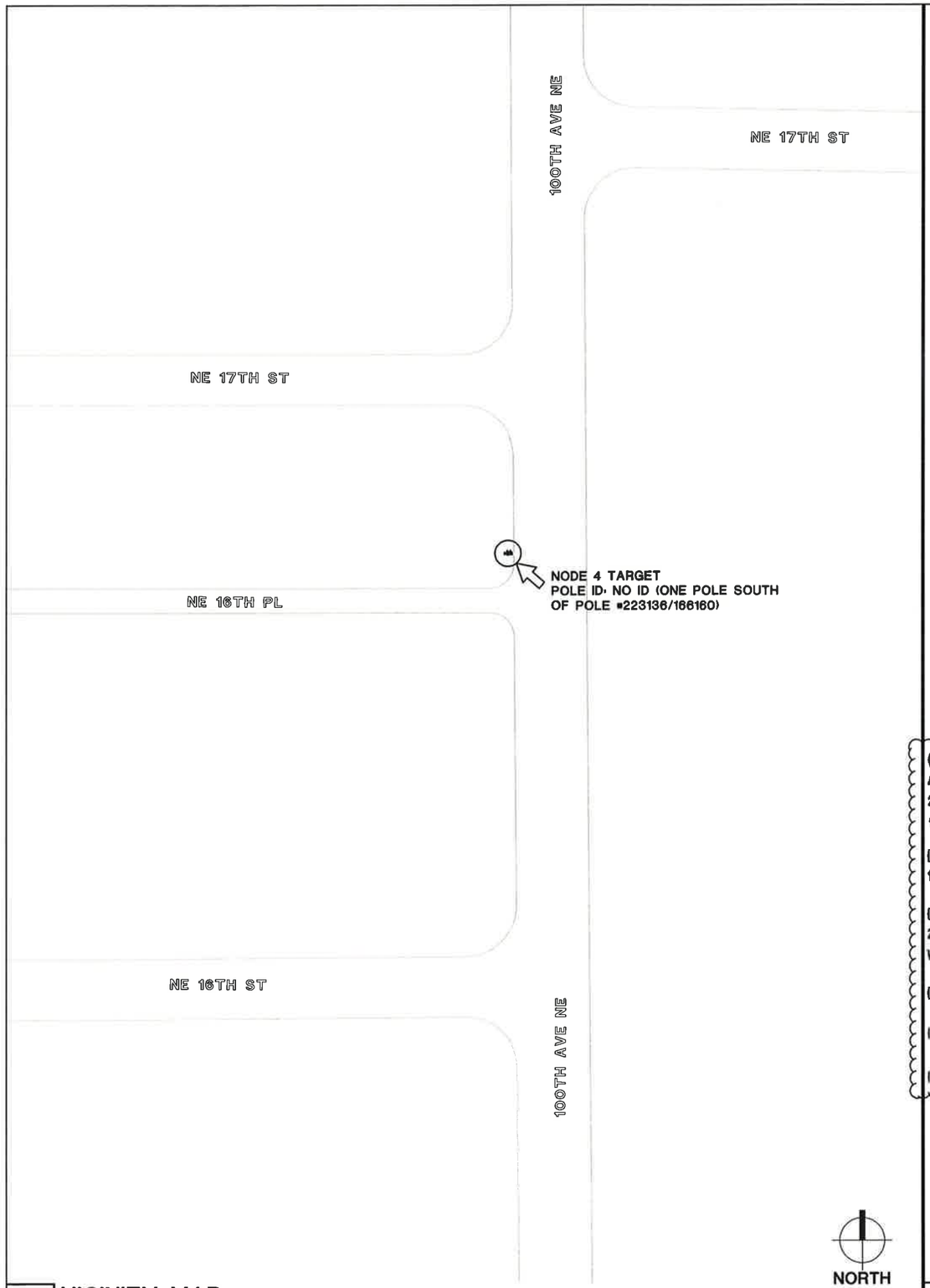
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 3
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

SHEET NUMBER
A-4.1

PROJECT NUMBER
--



1 VICINITY MAP

SCALE: NOT TO SCALE

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.6" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

2 PROPOSED CONDITION PHOTO

SCALE: NOT TO SCALE

md7 verizon

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

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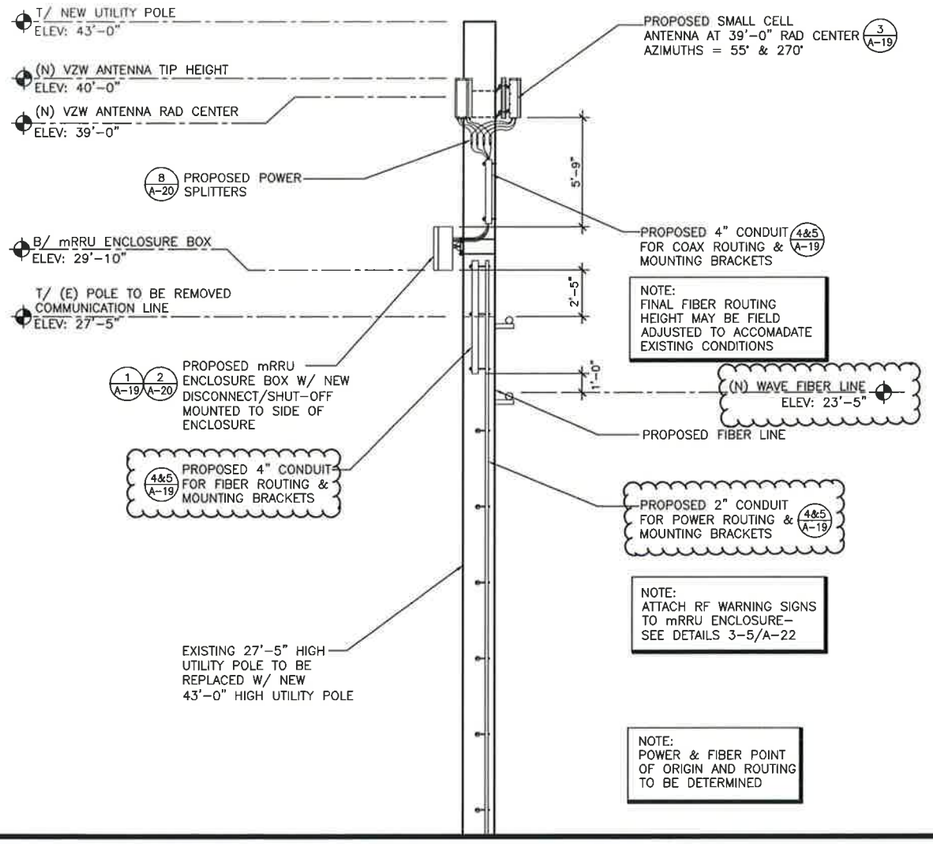
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 4
EXISTING PHOTO
& VICINITY MAP

SHEET NUMBER
A-5.0

PROJECT NUMBER
--

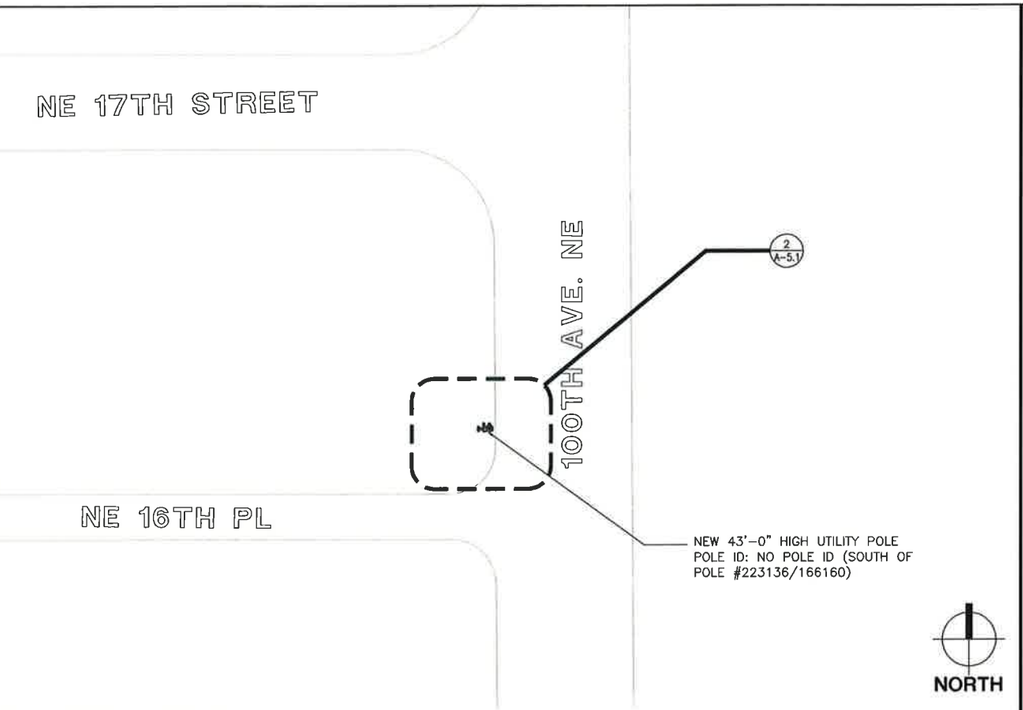


NODE 4
TARGET POLE ID: NO POLE ID (SOUTH OF POLE #223136/166160)

1 UTILITY POLE NORTH ELEVATION

SCALE: 1/4" = 1'-0" (22x34), 1/8" = 1'-0" (11x17)

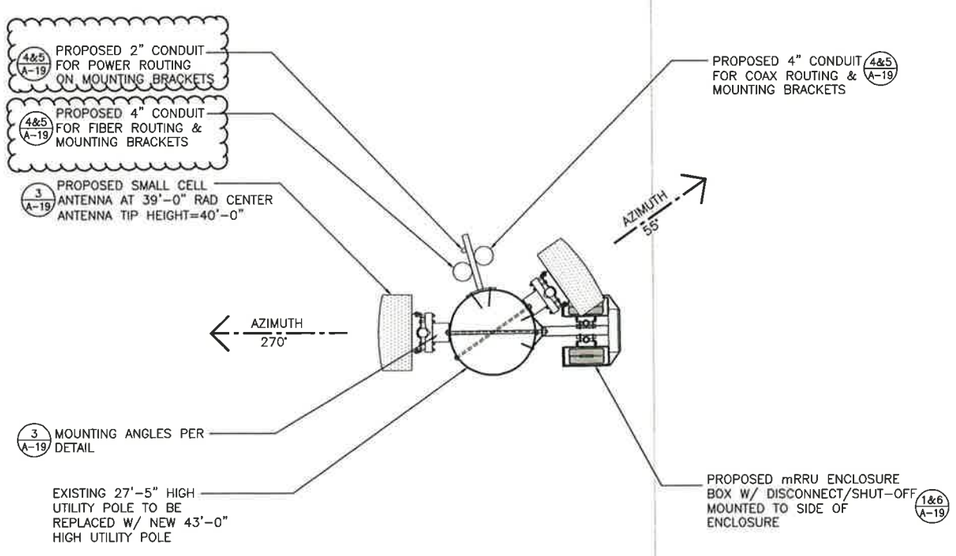
0 4 8 16



3 ENLARGED SITE PLAN

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

0 20 40 80



2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2 4 8

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

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APPROVED BY: EJC

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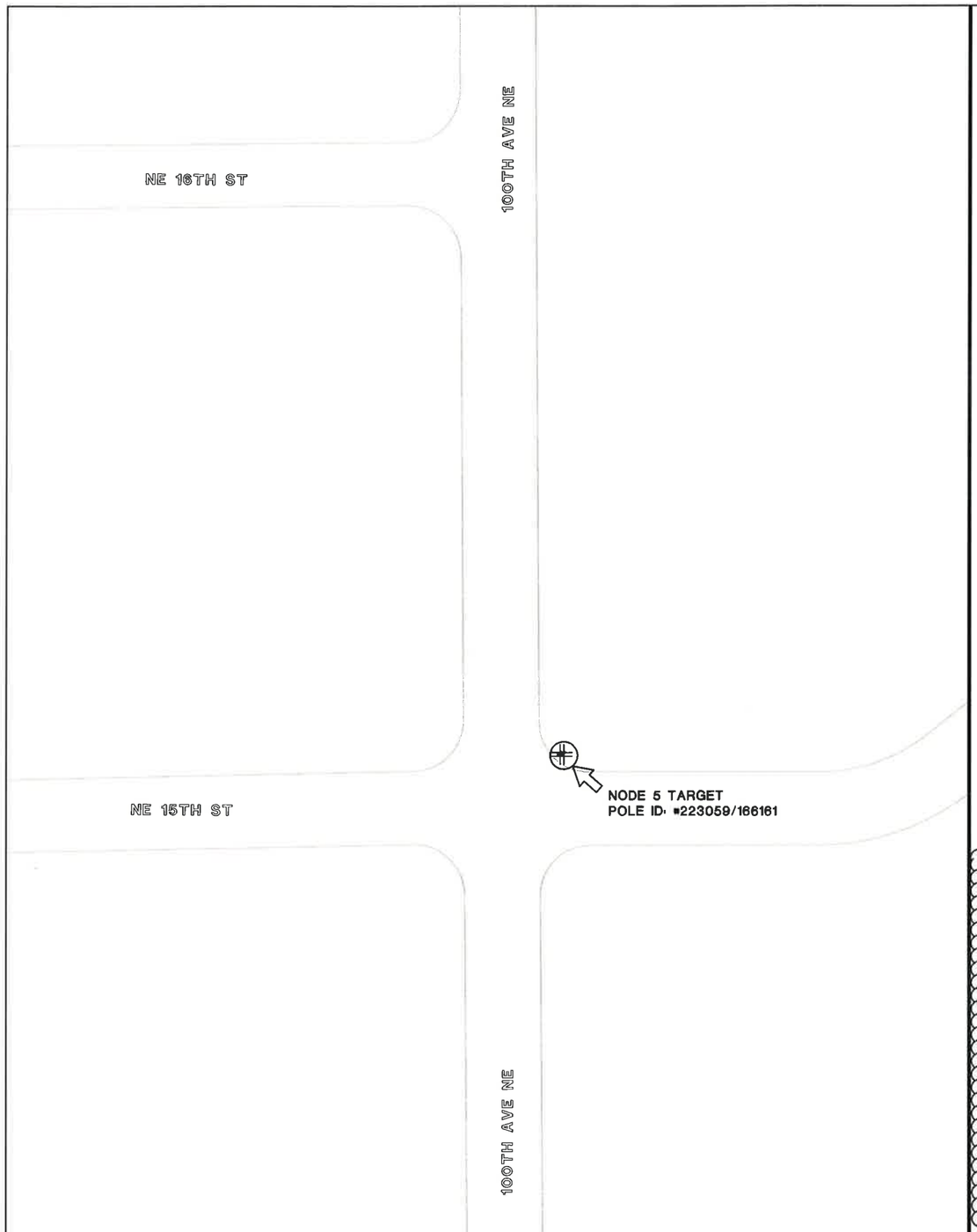
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 4
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

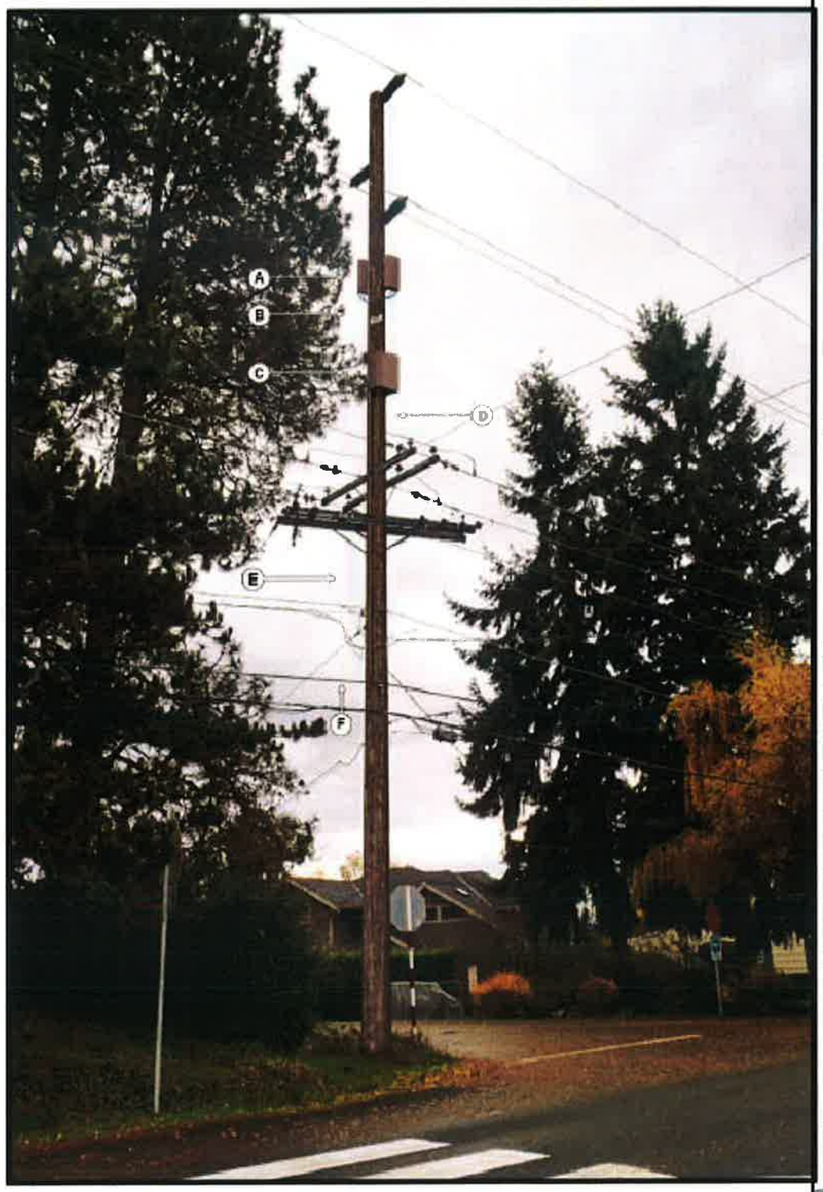
SHEET NUMBER
A-5.1

PROJECT NUMBER
--



1 VICINITY MAP

SCALE: NOT TO SCALE



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23.5" H x 12" W x 7.1" D
13 lbs (x2)

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10" L (x4)

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28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

2 PROPOSED CONDITION PHOTO

SCALE: NOT TO SCALE

md7 verizon

ARCHERLINE

(SMALL CELL)

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BELLEVUE, WA

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4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
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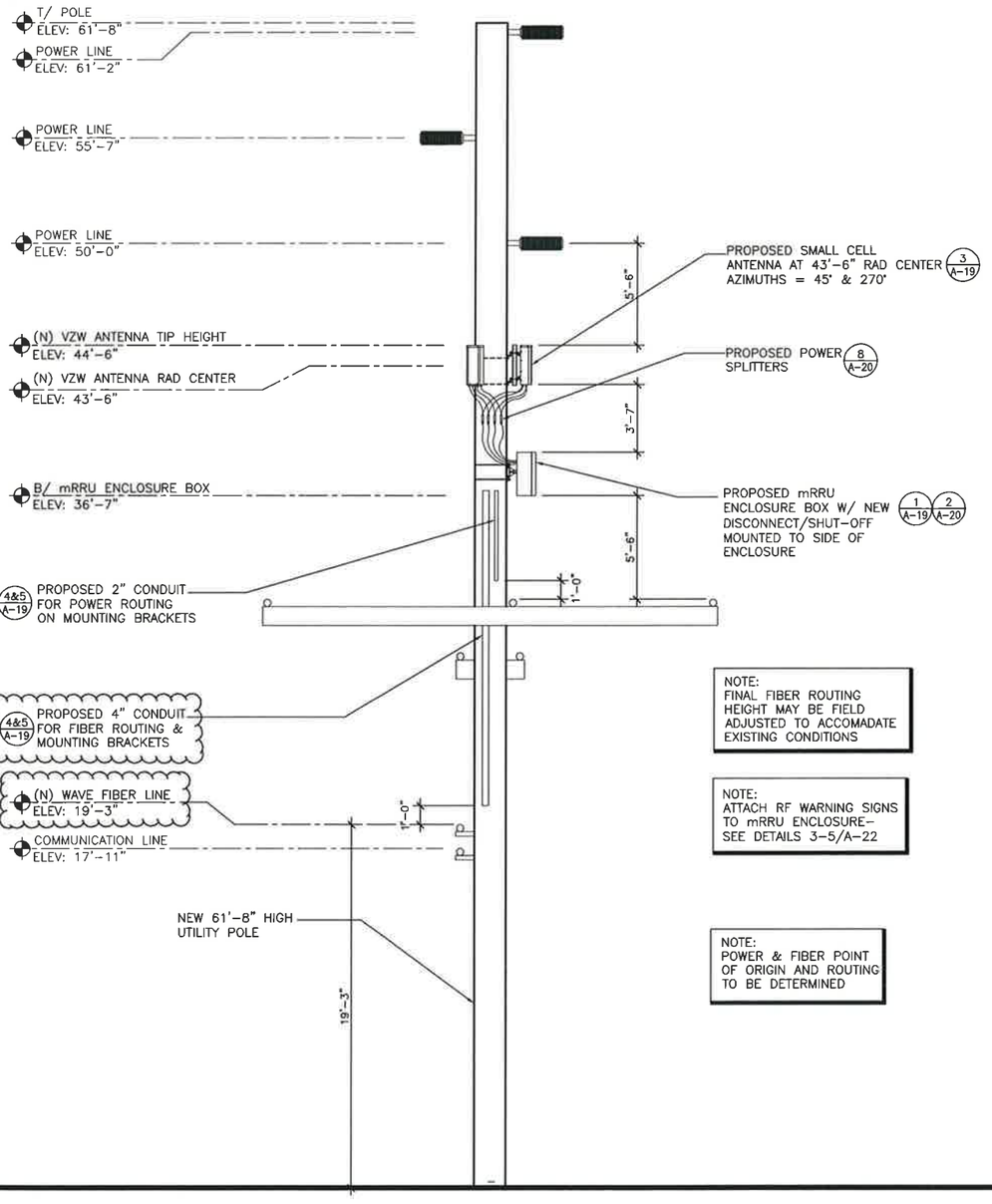
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 5
EXISTING PHOTO
& VICINITY MAP

SHEET NUMBER
A-6.0

PROJECT NUMBER
--



NOTE:
FINAL FIBER ROUTING
HEIGHT MAY BE FIELD
ADJUSTED TO ACCOMADATE
EXISTING CONDITIONS

NOTE:
ATTACH RF WARNING SIGNS
TO mRRU ENCLOSURE-
SEE DETAILS 3-5/A-22

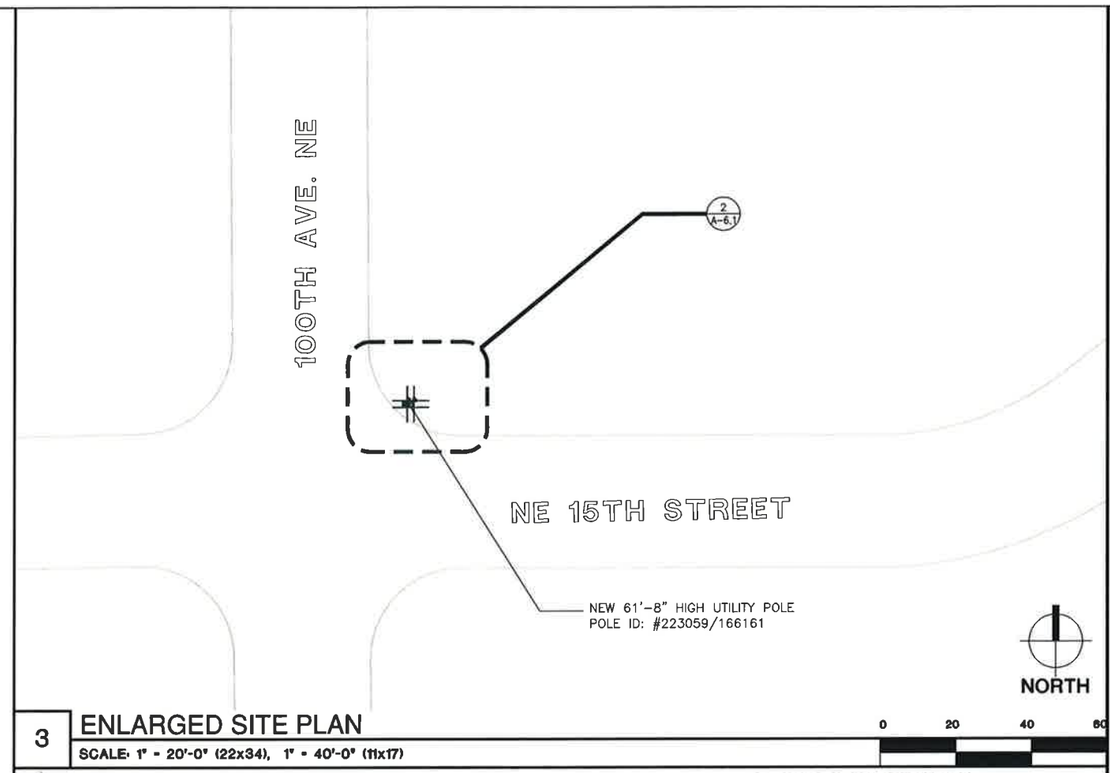
NOTE:
POWER & FIBER POINT
OF ORIGIN AND ROUTING
TO BE DETERMINED

NODE 5
TARGET POLE ID: #223059/166161

1 UTILITY POLE NORTH ELEVATION

SCALE: 1/4" = 1'-0" (22x34), 1/8" = 1'-0" (11x17)

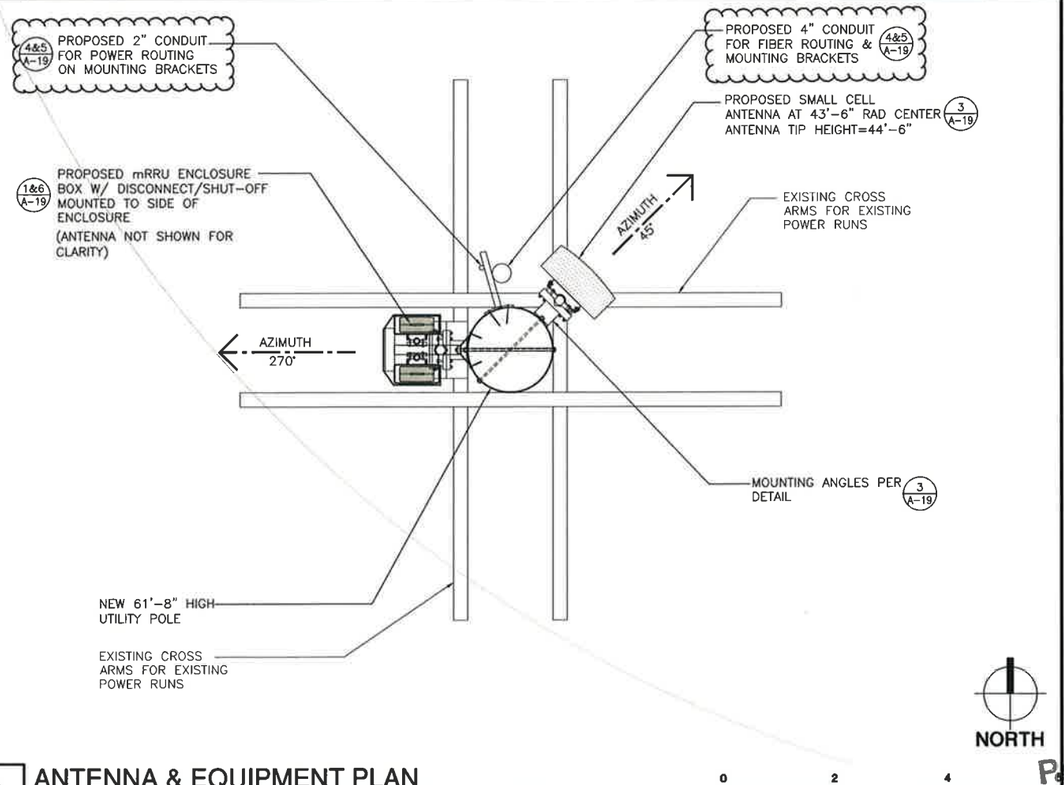
0 4 8 12



3 ENLARGED SITE PLAN

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

0 20 40 80



2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2 4 8

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES

19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
FAX: (425) 224-1614
WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

APPROVED BY: EJC

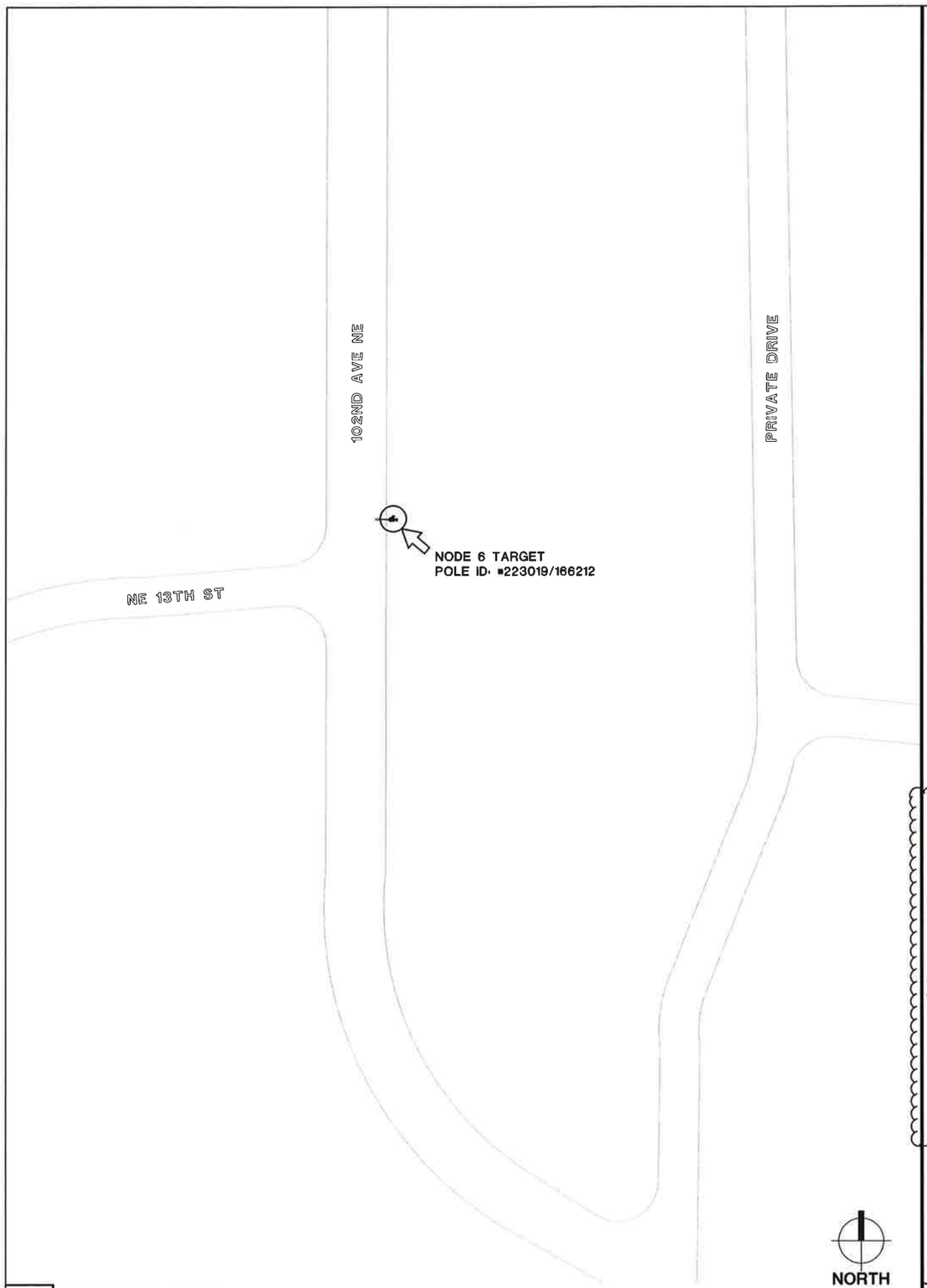
7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 5
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

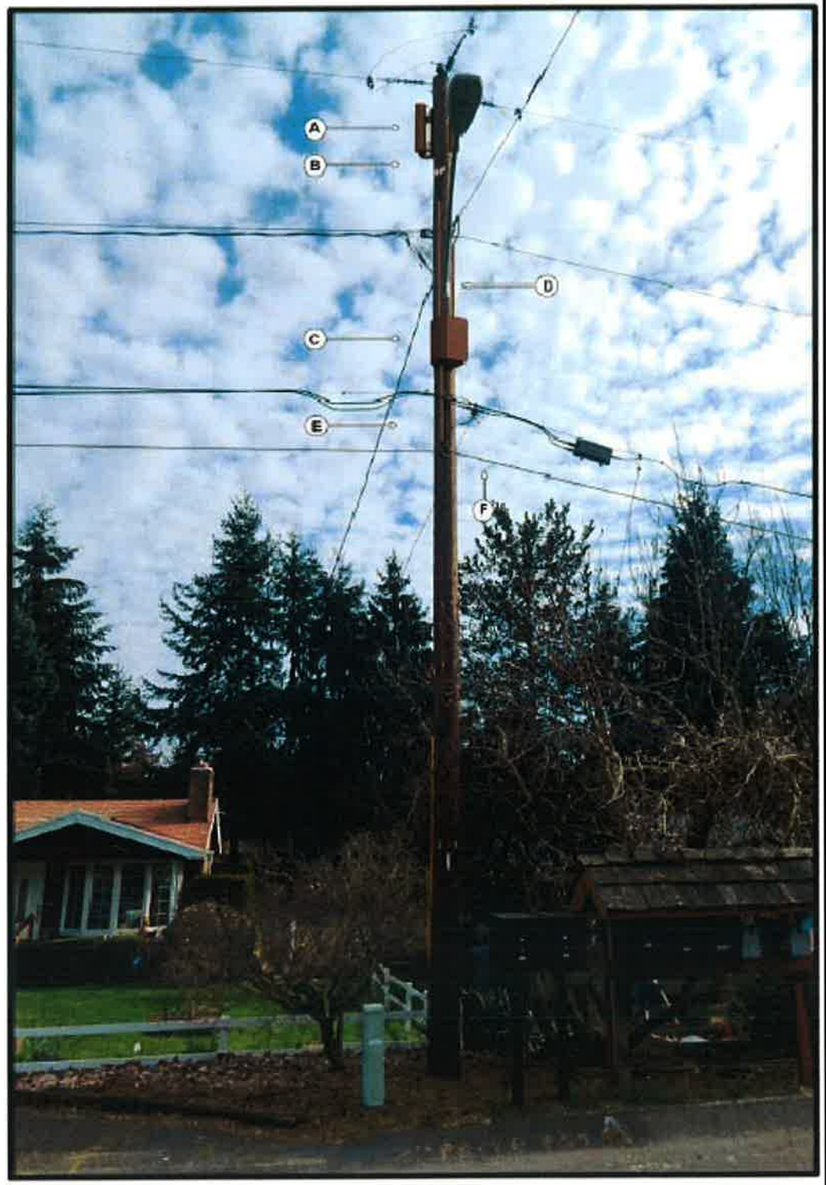
Received
MAY 17 2016
Permit Processing

SHEET NUMBER
A-6.1

PROJECT NUMBER
--



1 VICINITY MAP
SCALE: NOT TO SCALE



(A) Antenna (x2)
Amphenol HTXGW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788-PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

2 PROPOSED CONDITION PHOTO
SCALE: NOT TO SCALE

verizon
md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES
19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
FAX: (425) 224-1614
WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

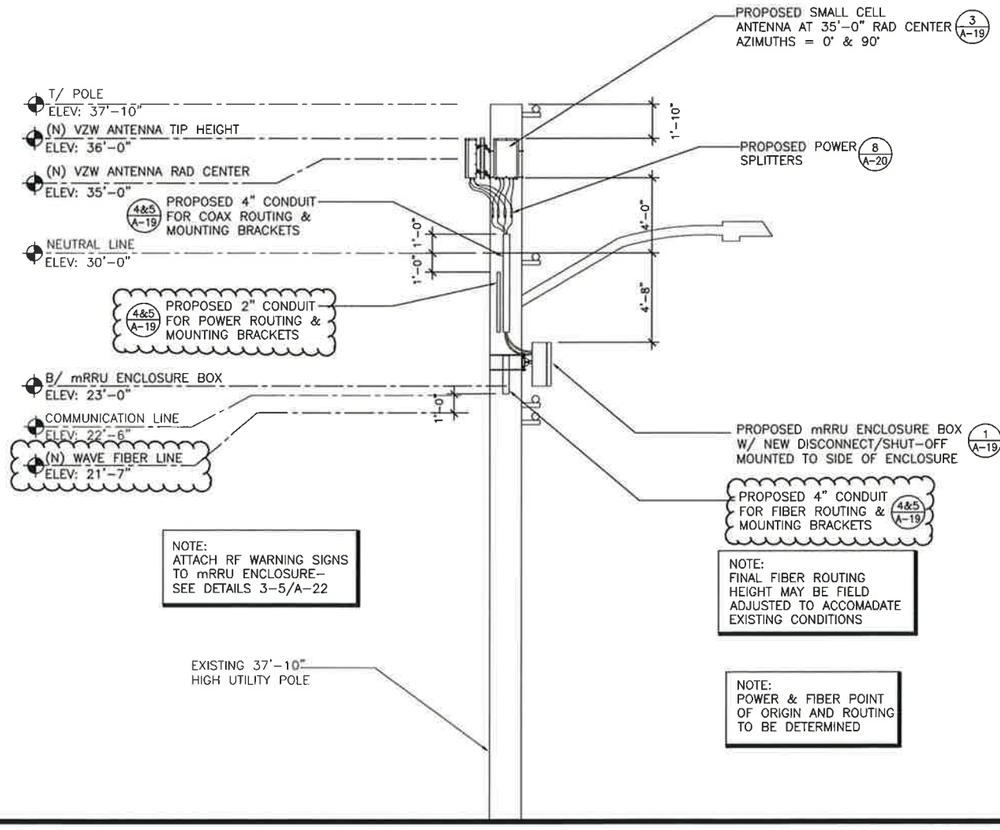
APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 6
EXISTING PHOTO
& VICINITY MAP

SHEET NUMBER
A-7.0

PROJECT NUMBER

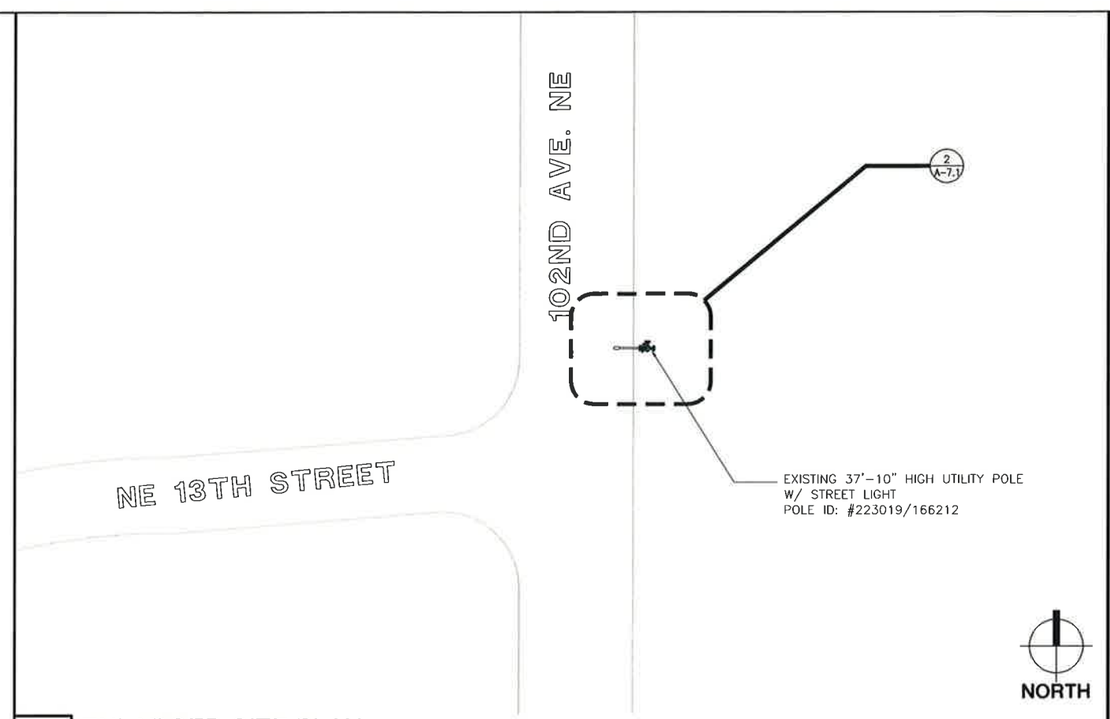


NODE 6
TARGET POLE ID: #223019/166212

1 UTILITY POLE NORTH ELEVATION

SCALE: 1/4" = 1'-0" (22x34), 1/8" = 1'-0" (11x17)

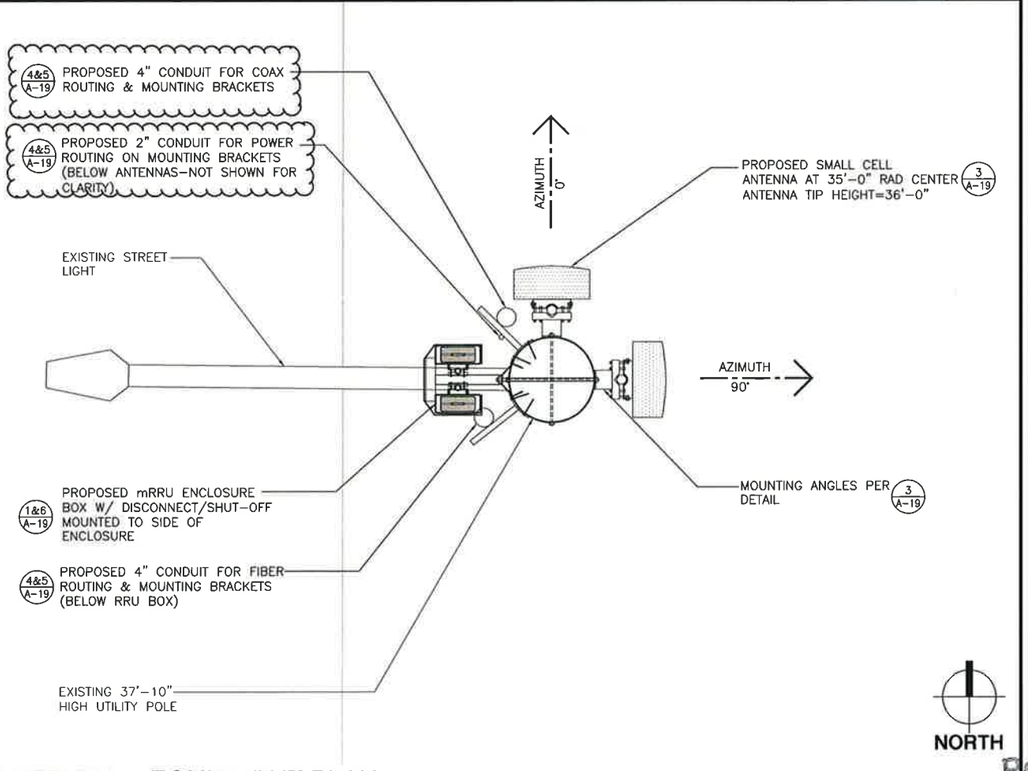
0 4 8 12



3 ENLARGED SITE PLAN

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

0 20 40 60



2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2 4 8

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES
19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
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PROJECT MANAGER: EJC

PREPARED BY: GA

APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 6
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

Received
MAR 17 2016
Permit Processing

SHEET NUMBER
A-7.1

PROJECT NUMBER
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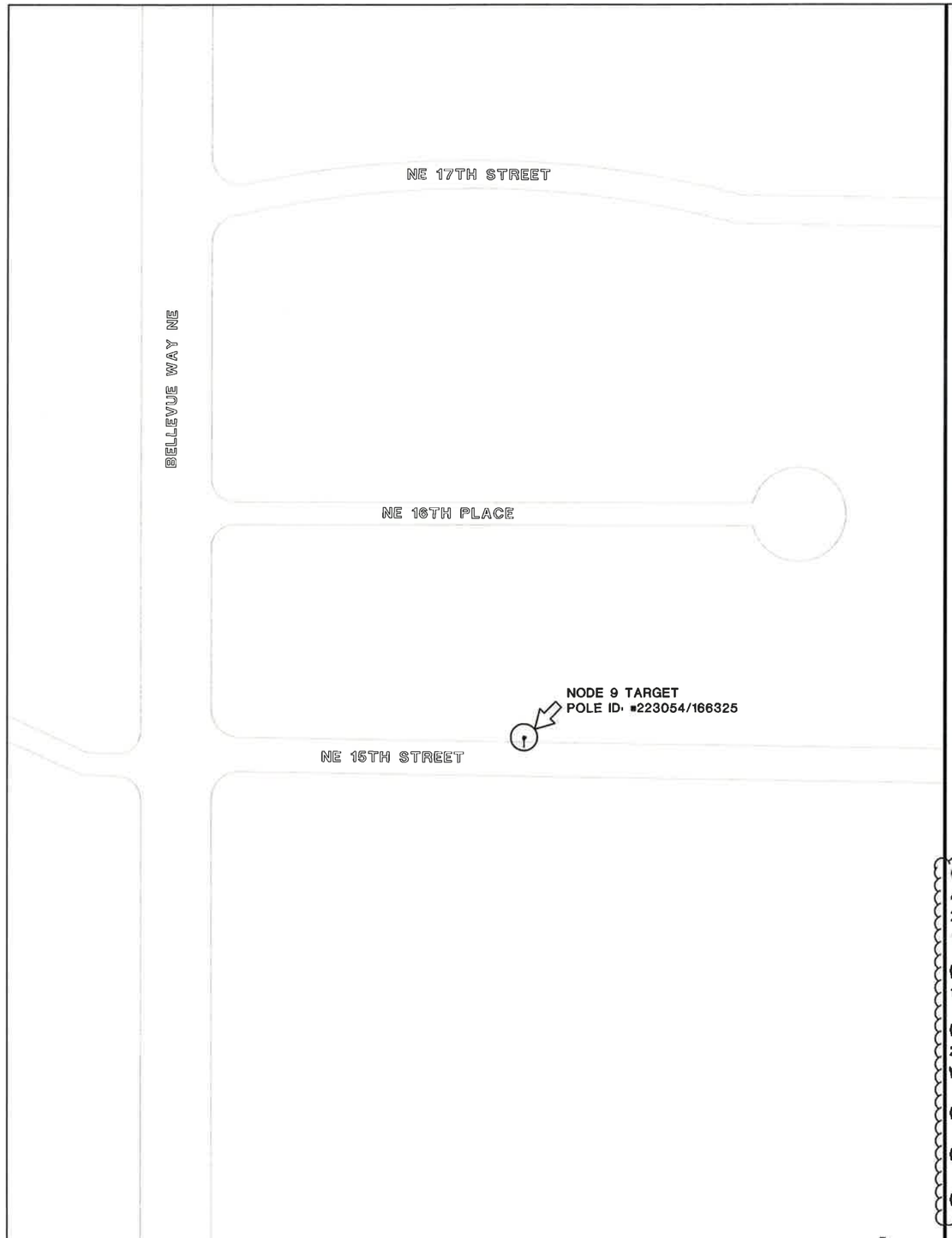

1 VICINITY MAP

SCALE: NOT TO SCALE

(A) Antenna (x2)
Amphenol HTXC-W83111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

2 PROPOSED CONDITION PHOTO

SCALE: NOT TO SCALE

md7 verizon

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES

19401 40TH AVENUE W, SUITE 304
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PHONE: (425) 740-6392
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WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
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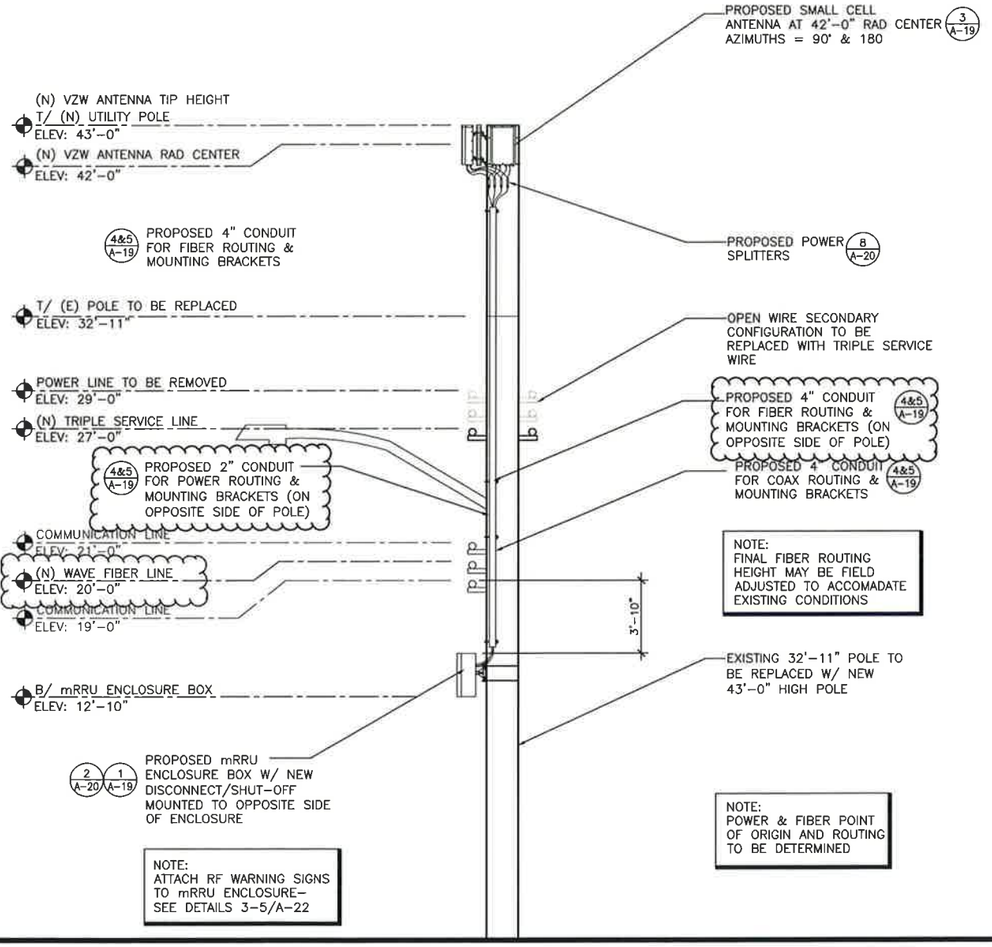
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 9
EXISTING PHOTO
& VICINITY MAP

Received
MAR 17 2016
Permit Processing

SHEET NUMBER
A-8.0

PROJECT NUMBER
--

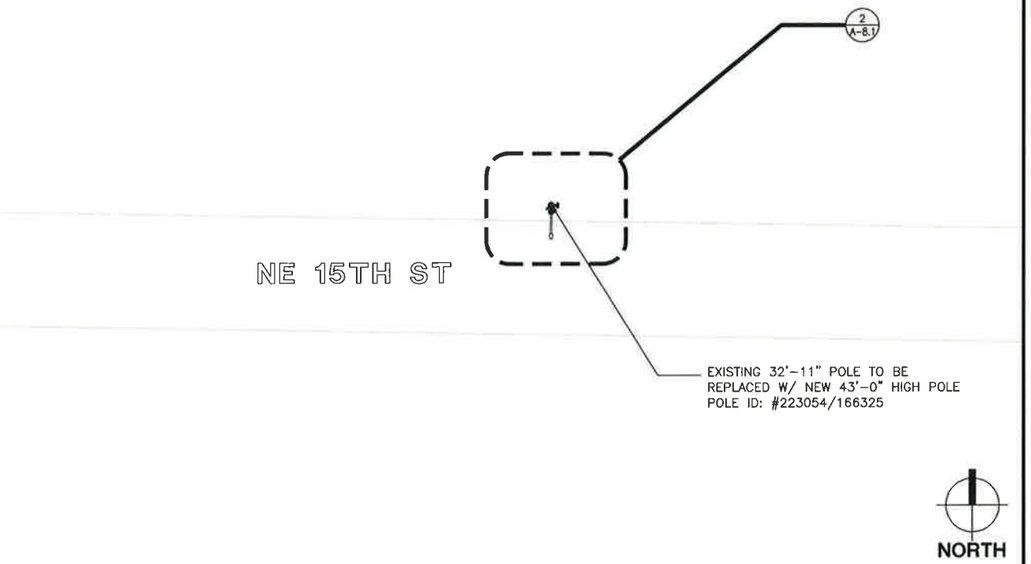


NODE 9
TARGET POLE ID: #223054/166325

1 UTILITY POLE EAST ELEVATION

SCALE: 1/4" = 1'-0" (22x34), 1/8" = 1'-0" (11x17)

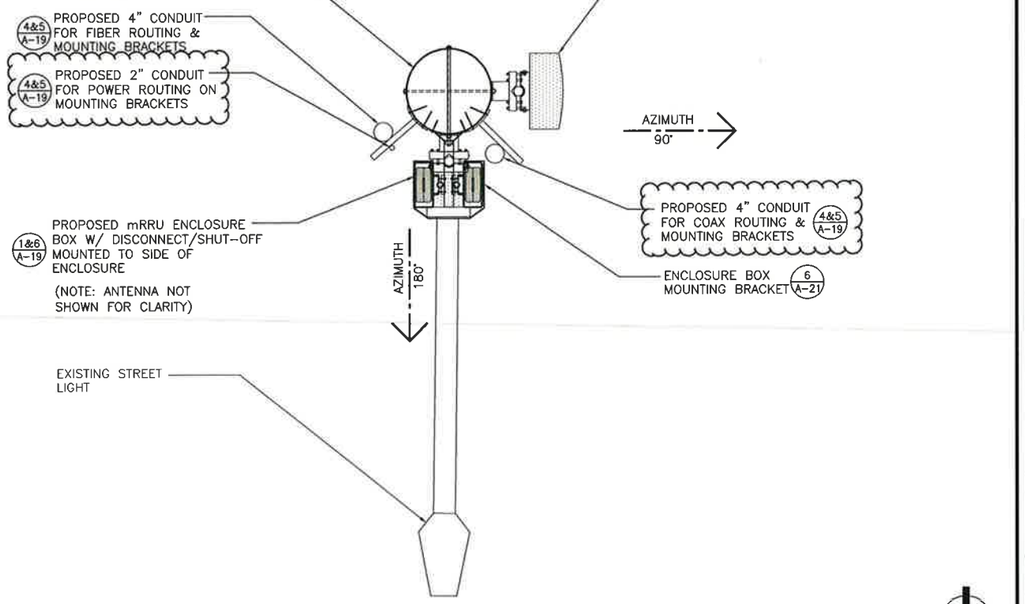
0 4 8 12



3 ENLARGED SITE PLAN

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

0 20 40 80



2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2 4

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES
19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
FAX: (425) 224-1614
WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
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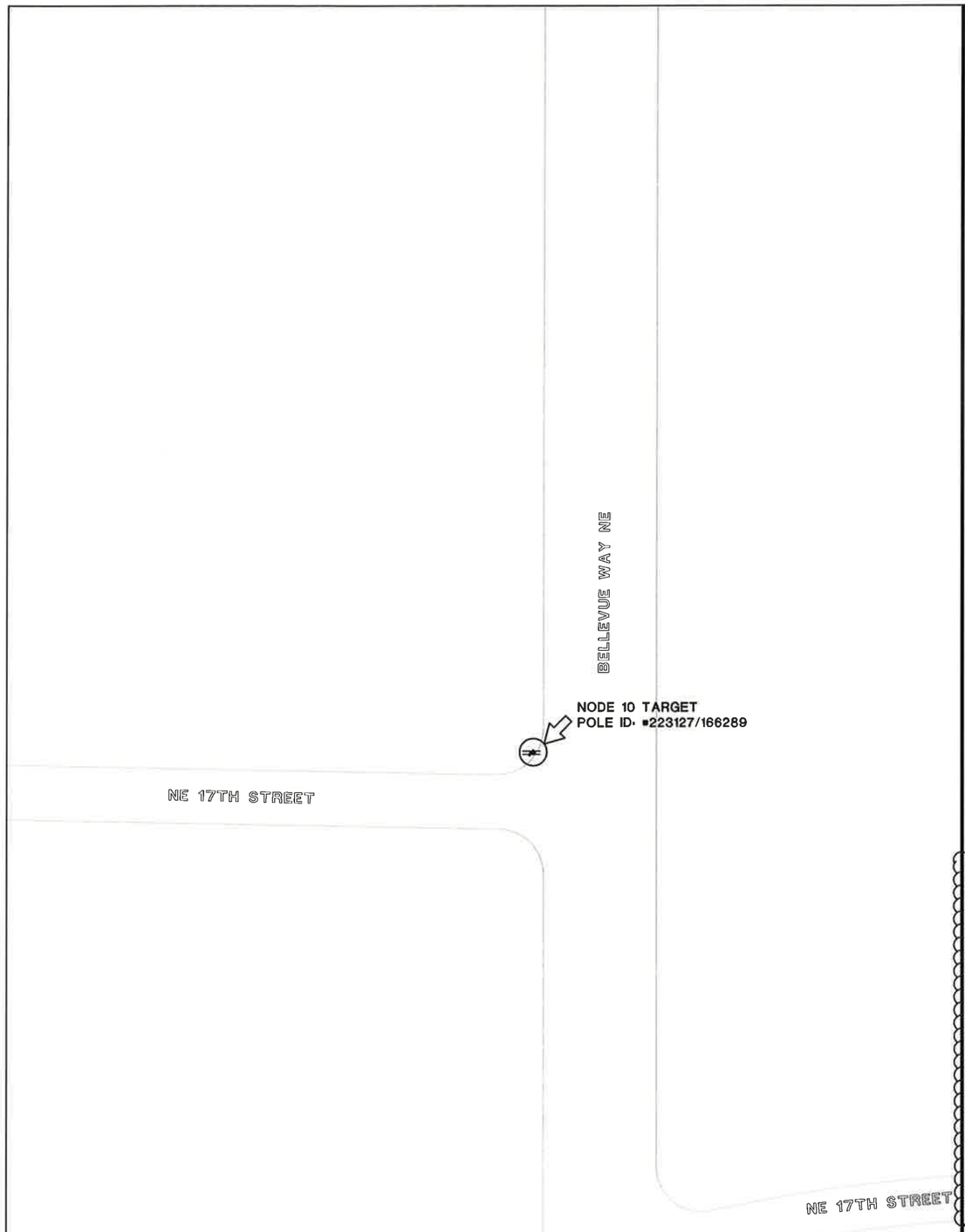
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 9
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

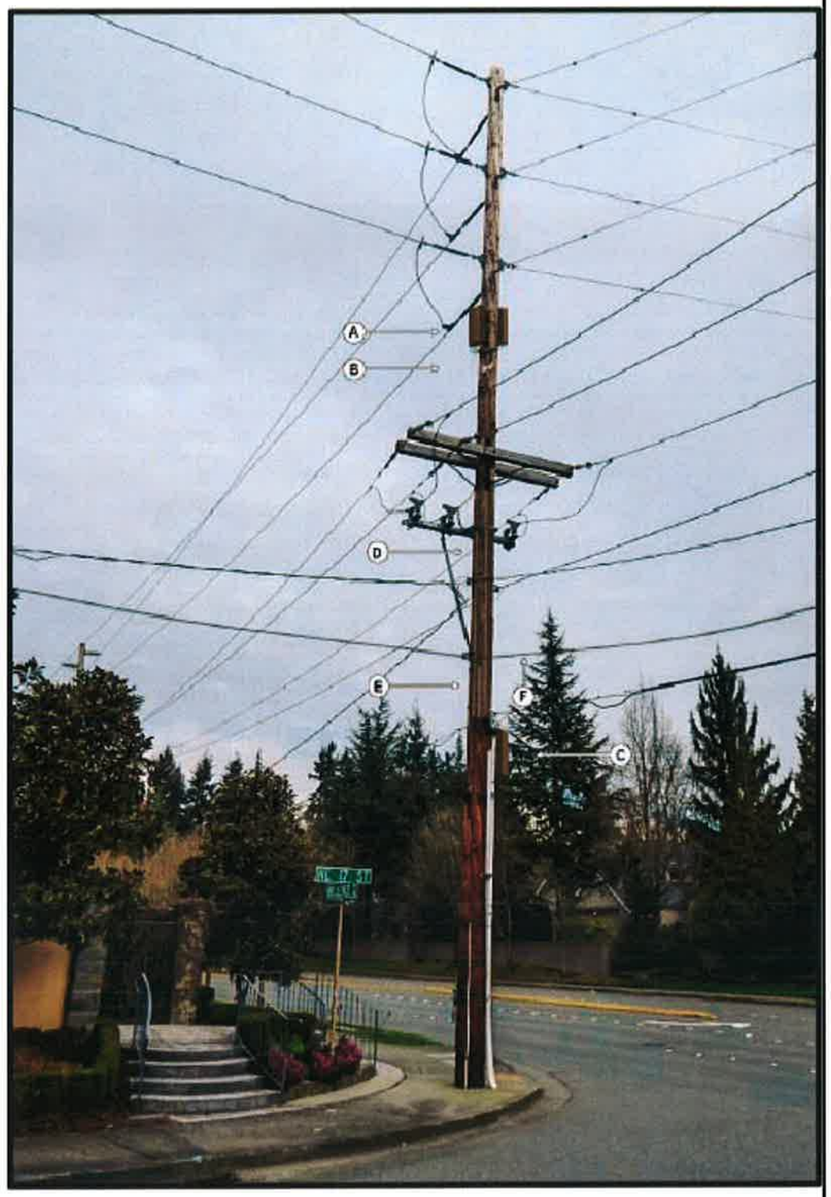
SHEET NUMBER
A-8.1

PROJECT NUMBER
--



1 VICINITY MAP

SCALE: NOT TO SCALE



(A) Antenna (x2)
Amphenol HTXCW03-111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

2 PROPOSED CONDITION PHOTO

SCALE: NOT TO SCALE

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES

19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
FAX: (425) 224-1614
WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

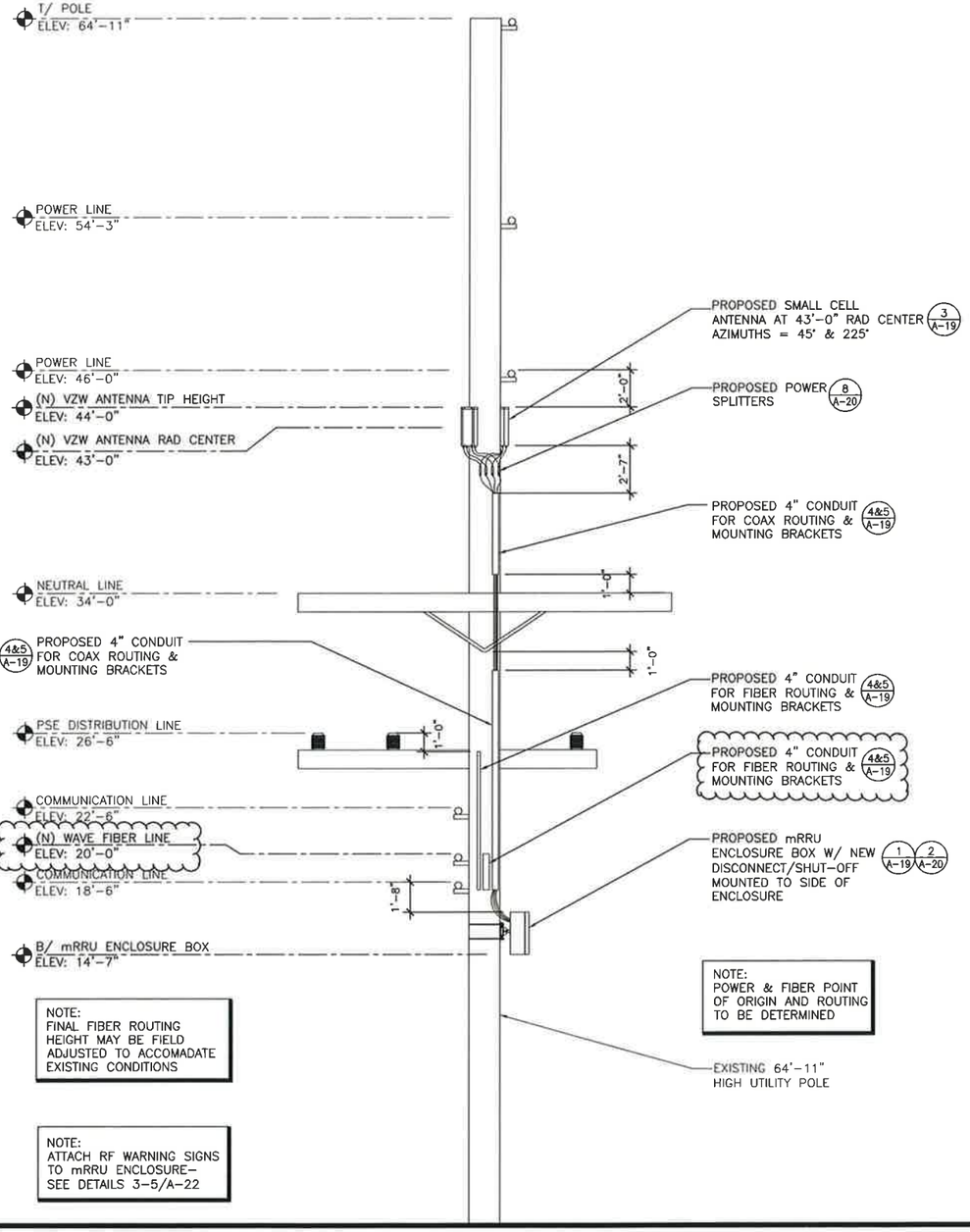
APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 10
EXISTING PHOTO
& VICINITY MAP

SHEET NUMBER
A-9.0

PROJECT NUMBER



NOTE:
FINAL FIBER ROUTING HEIGHT MAY BE FIELD ADJUSTED TO ACCOMADATE EXISTING CONDITIONS

NOTE:
ATTACH RF WARNING SIGNS TO mRRU ENCLOSURE— SEE DETAILS 3-5/A-22

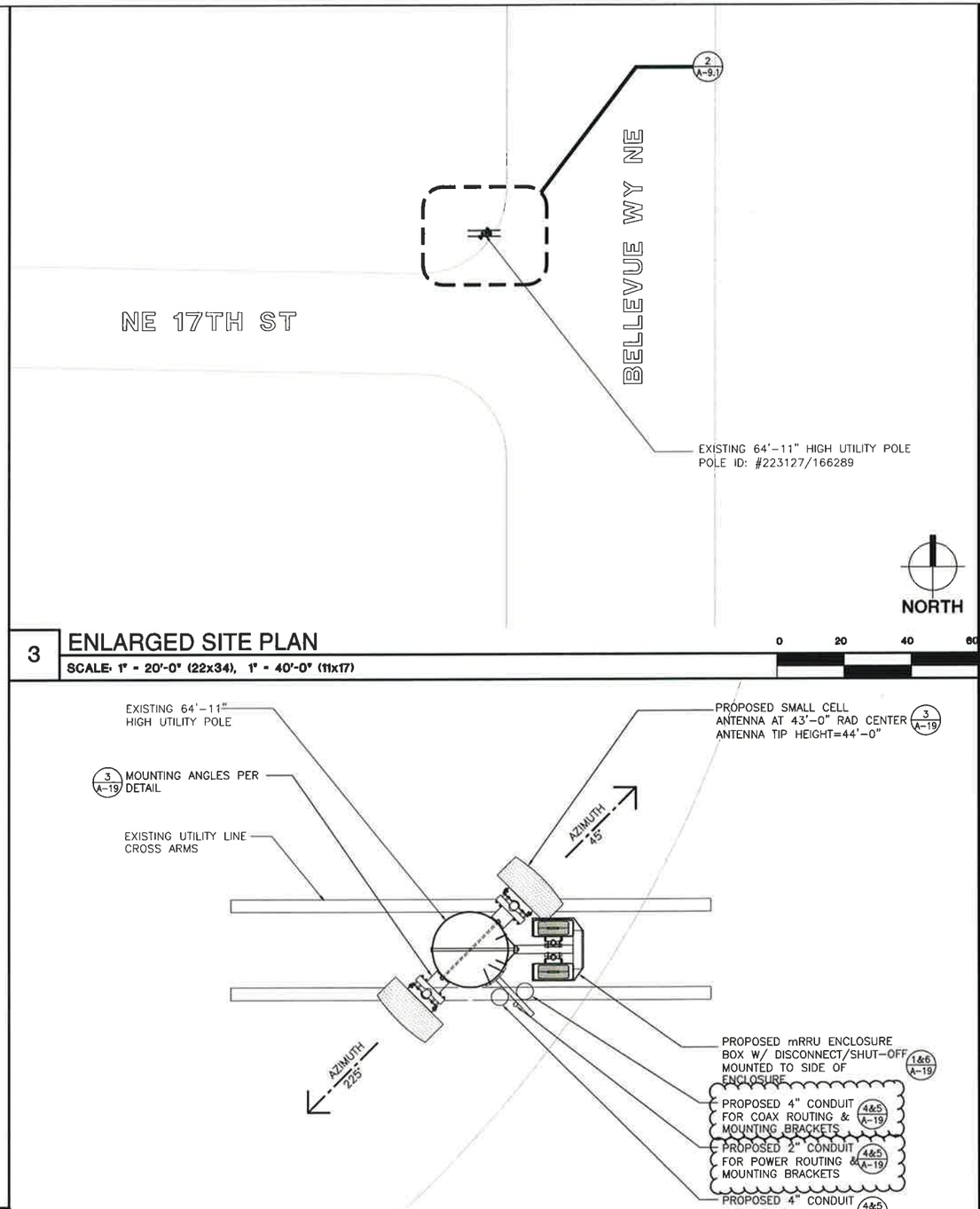
NOTE:
POWER & FIBER POINT OF ORIGIN AND ROUTING TO BE DETERMINED

NODE 10
TARGET POLE ID: #223127/166289

1 UTILITY POLE SOUTH ELEVATION

SCALE: 1/4" = 1'-0" (22x34), 1/8" = 1'-0" (11x17)

0 4 8 12



3 ENLARGED SITE PLAN

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

0 20 40 60

2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2 4

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES

19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
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PROJECT MANAGER: EJC

PREPARED BY: GA

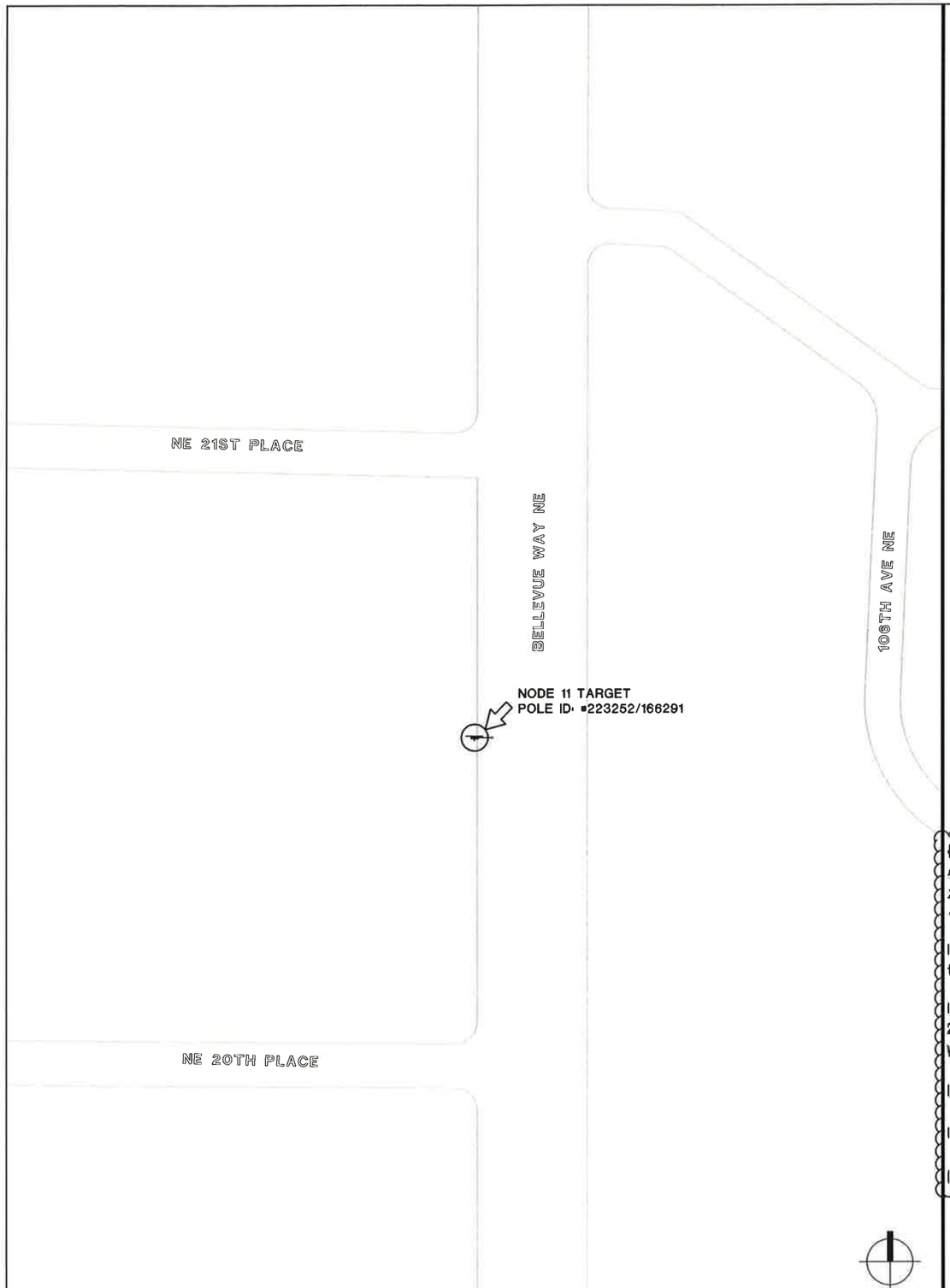
APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

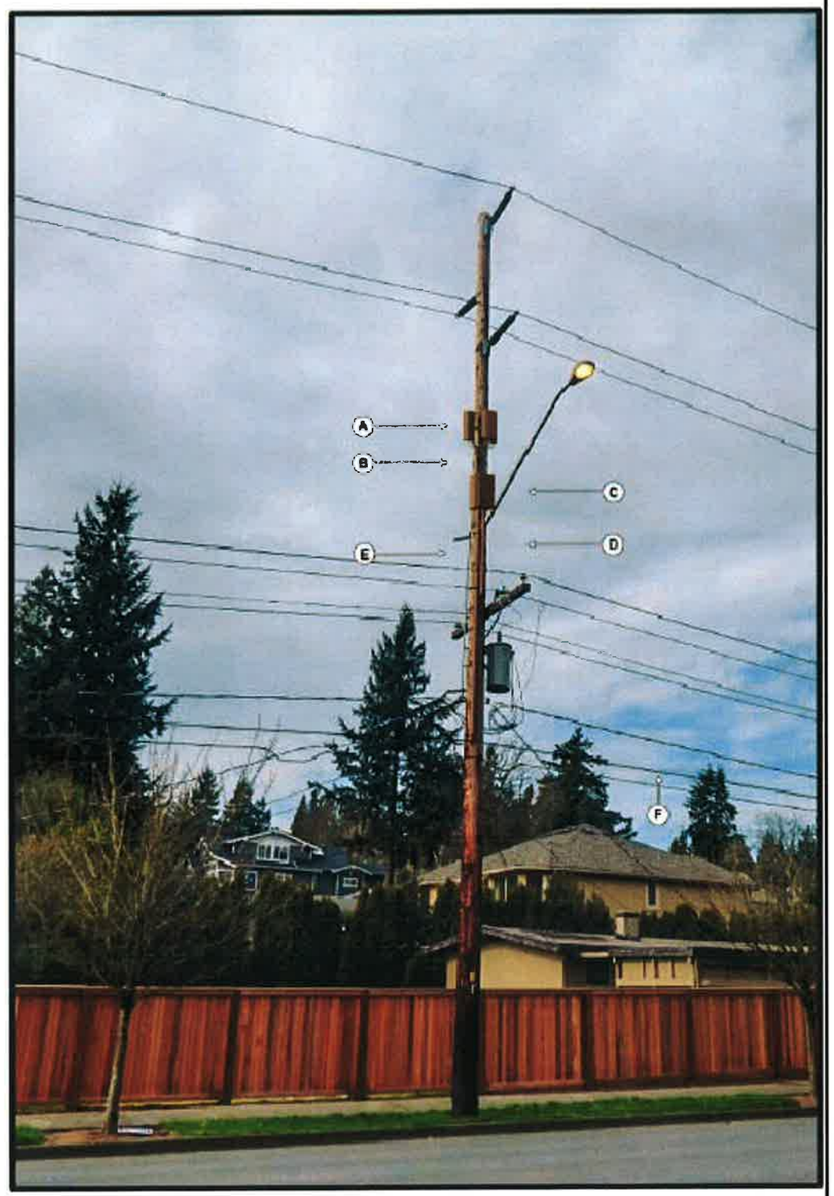
SHEET NAME
NODE 10
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

SHEET NUMBER
A-9.1

PROJECT NUMBER
--



1 VICINITY MAP
SCALE: NOT TO SCALE



(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

2 PROPOSED CONDITION PHOTO
SCALE: NOT TO SCALE

verizon
md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES
19401 40TH AVENUE W, SUITE 304
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PROJECT MANAGER: EJC

PREPARED BY: GA

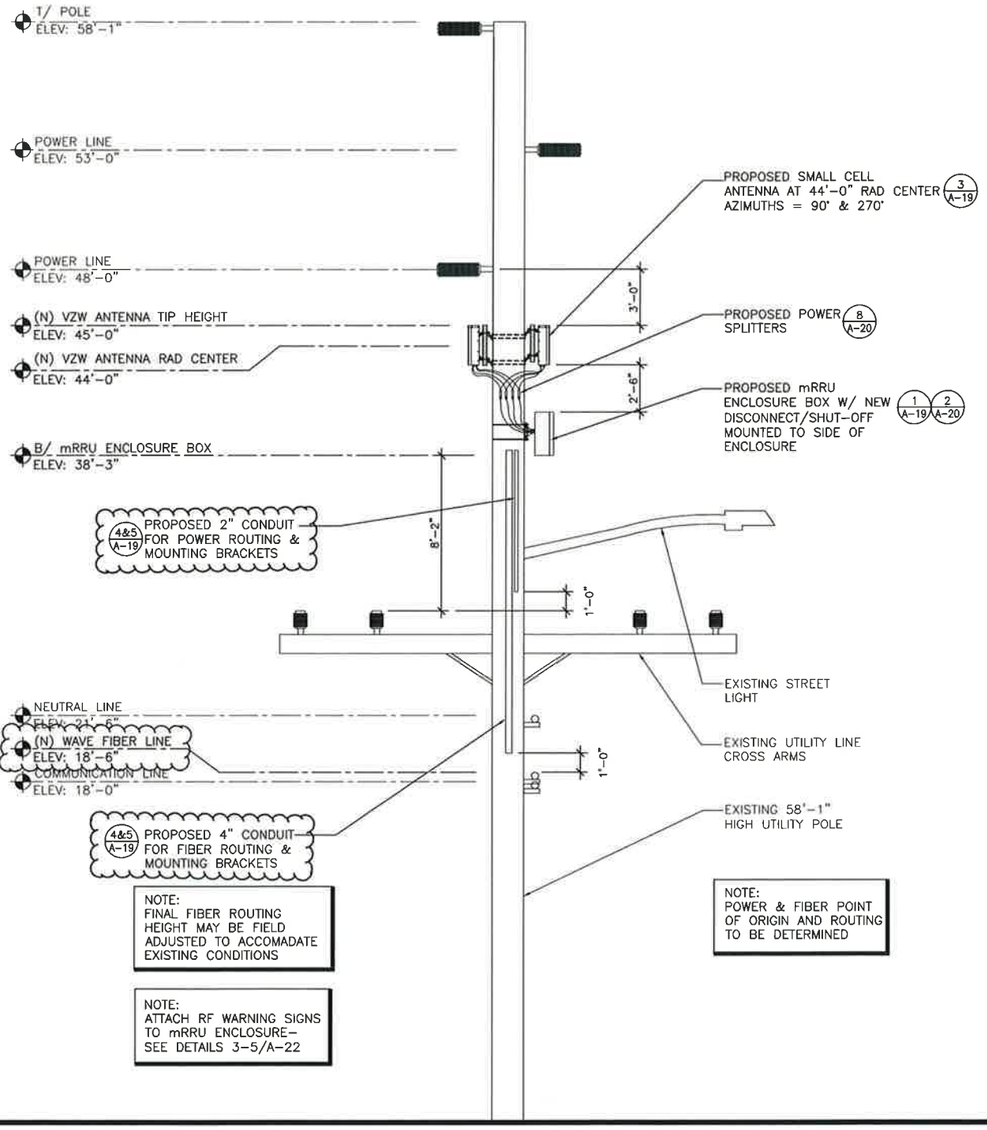
APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 11
EXISTING PHOTO
& VICINITY MAP

SHEET NUMBER
A-10.0

PROJECT NUMBER
--

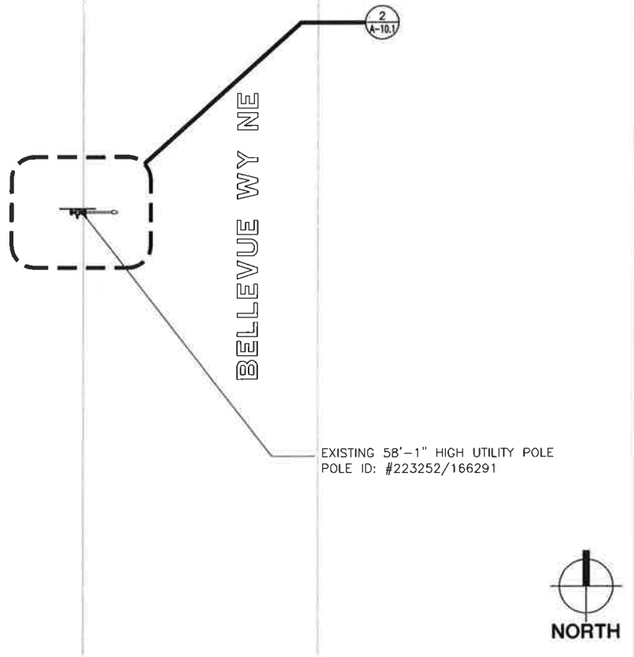


NODE 11
TARGET POLE ID: #223252/166291

1 UTILITY POLE SOUTH ELEVATION

SCALE: 1/4" = 1'-0" (22x34), 1/8" = 1'-0" (11x17)

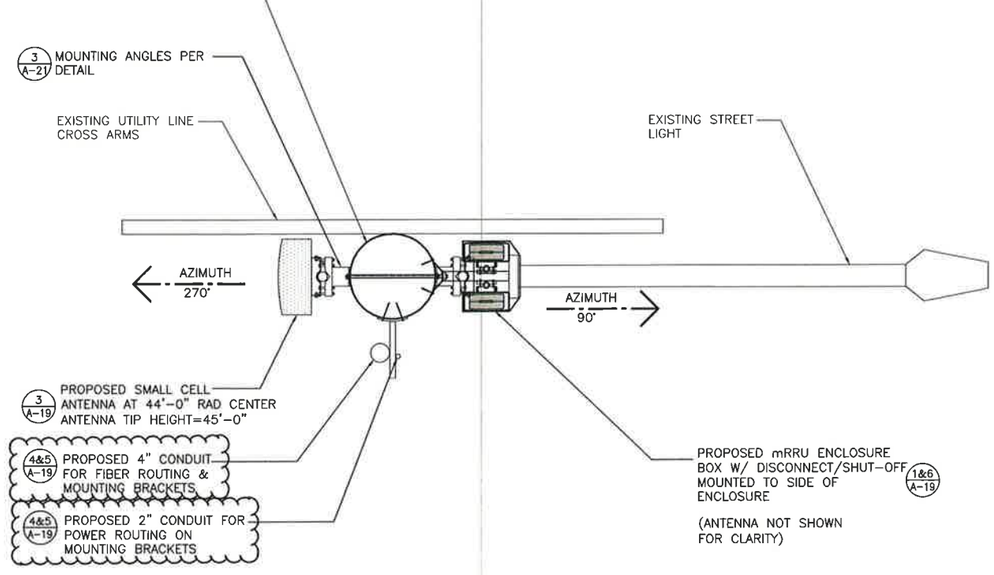
0 4 8 12



3 ENLARGED SITE PLAN

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

0 20 40 80



2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2 4 8

md verizon

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

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LYNNWOOD, WA 98036
PHONE: (425) 740-6392
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WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

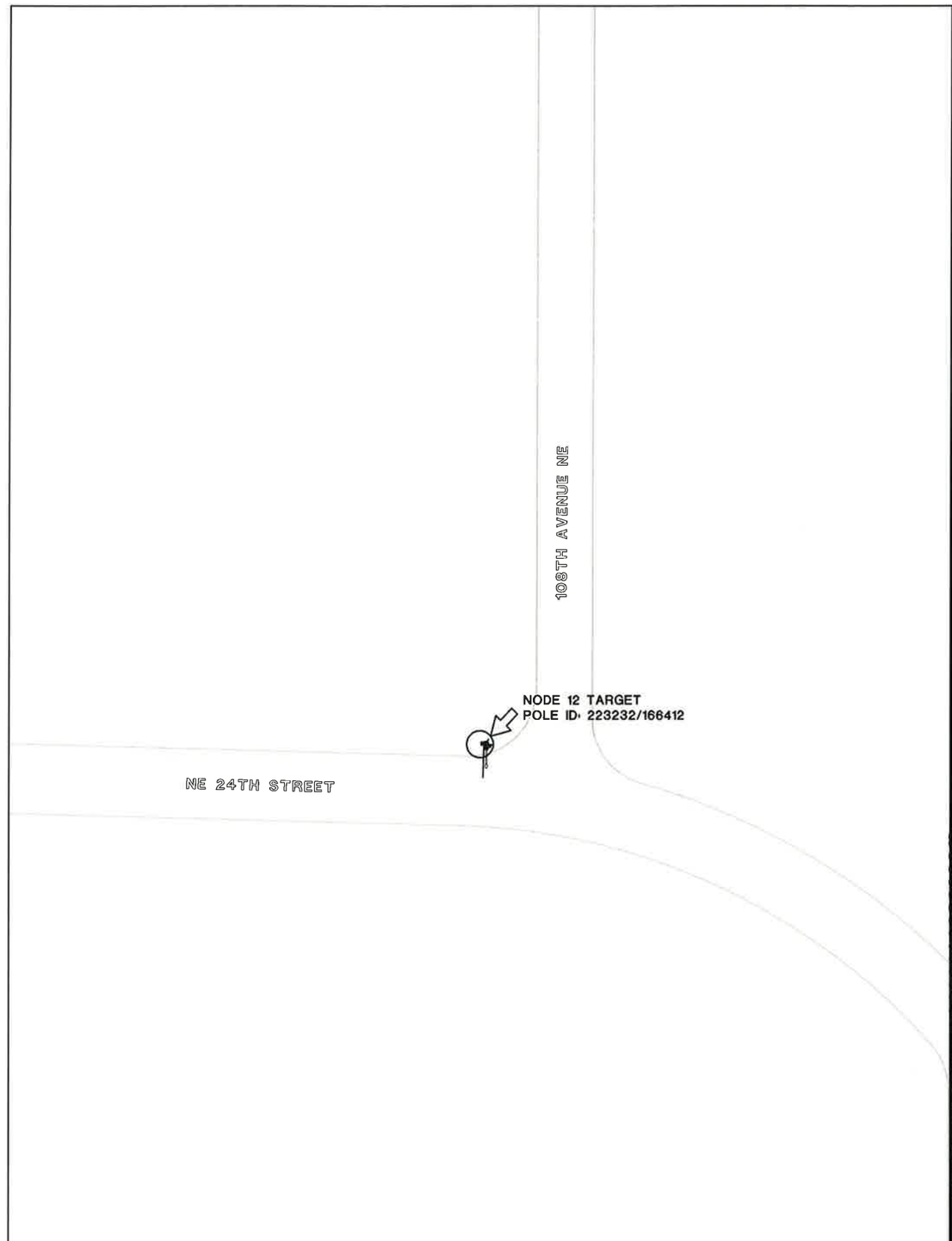
APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 11
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

SHEET NUMBER
A-10.1

PROJECT NUMBER
--



1 VICINITY MAP

SCALE: NOT TO SCALE

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.9" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

2 PROPOSED CONDITION PHOTO

SCALE: NOT TO SCALE

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES

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PROJECT MANAGER: EJC

PREPARED BY: GA

APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
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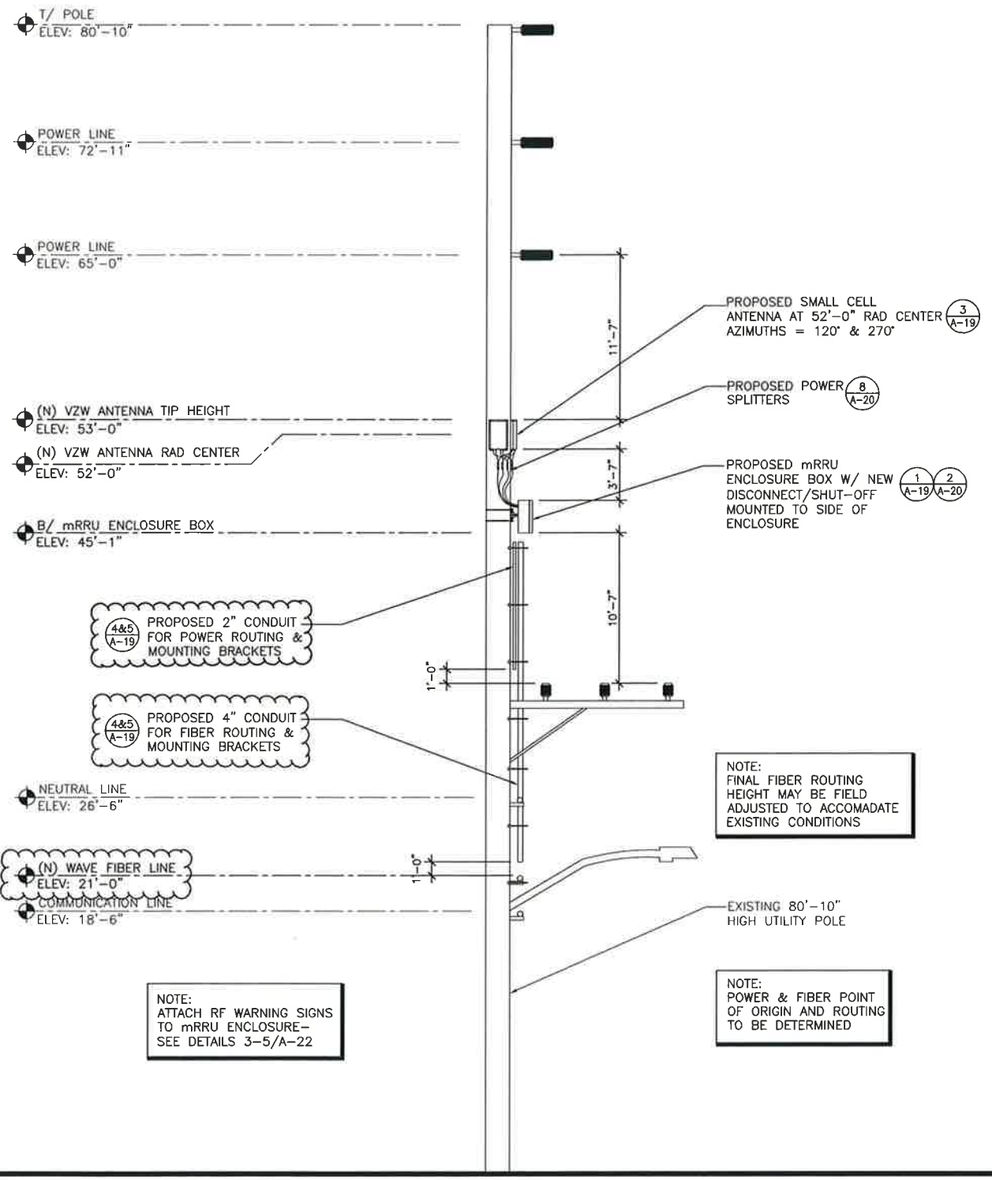
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 12
EXISTING PHOTO
& VICINITY MAP

Received
MAY 17 2016
Permit Processing

SHEET NUMBER
A-11.0

PROJECT NUMBER
--

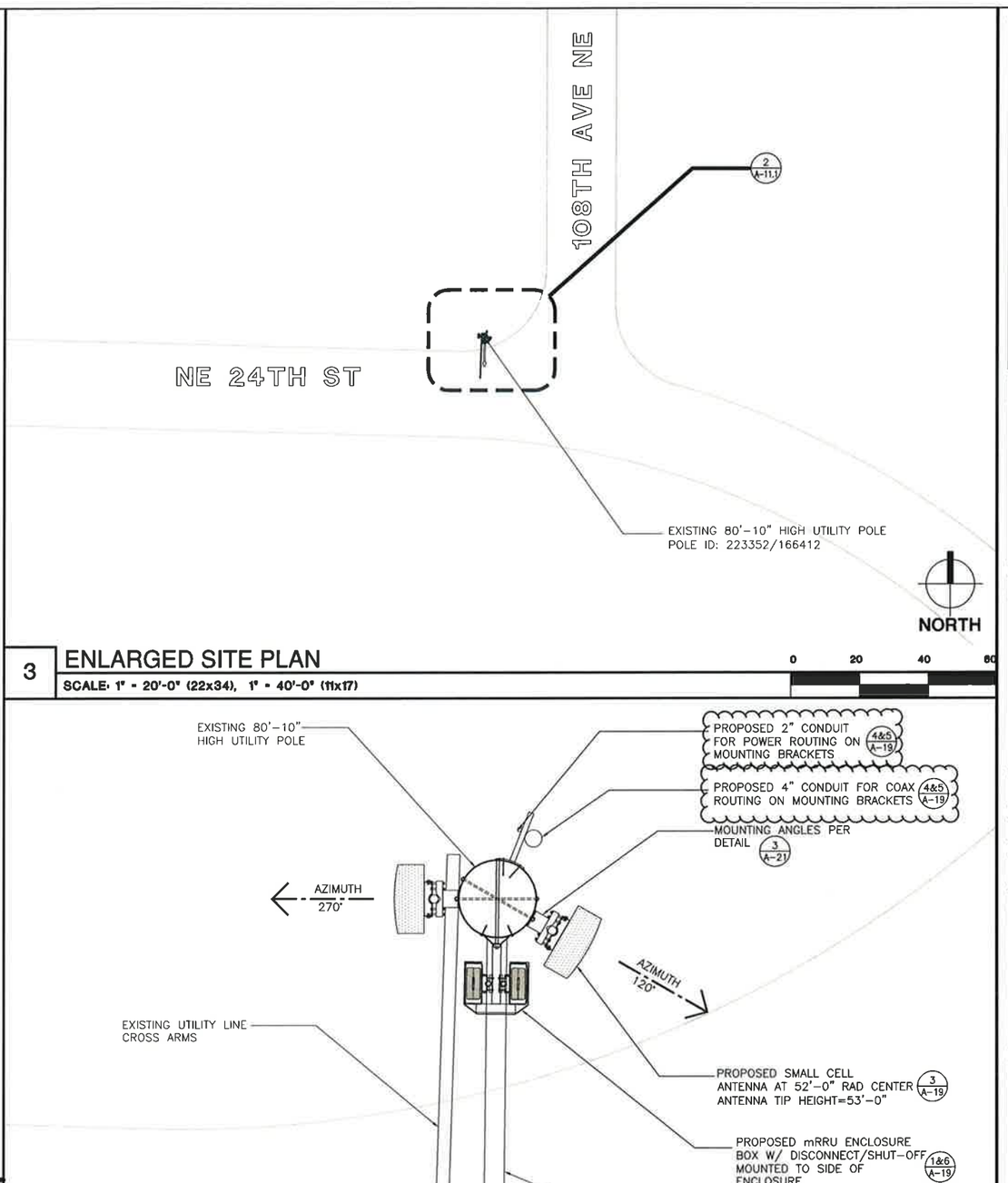


NODE 12
TARGET POLE ID: 223352/166412

1 UTILITY POLE WEST ELEVATION

SCALE: 3/16" = 1'-0" (22x34), 3/32" = 1'-0" (11x17)

0 8 16 24



2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2 4

3 ENLARGED SITE PLAN

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

0 20 40 80

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES
19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
FAX: (425) 224-1614
WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

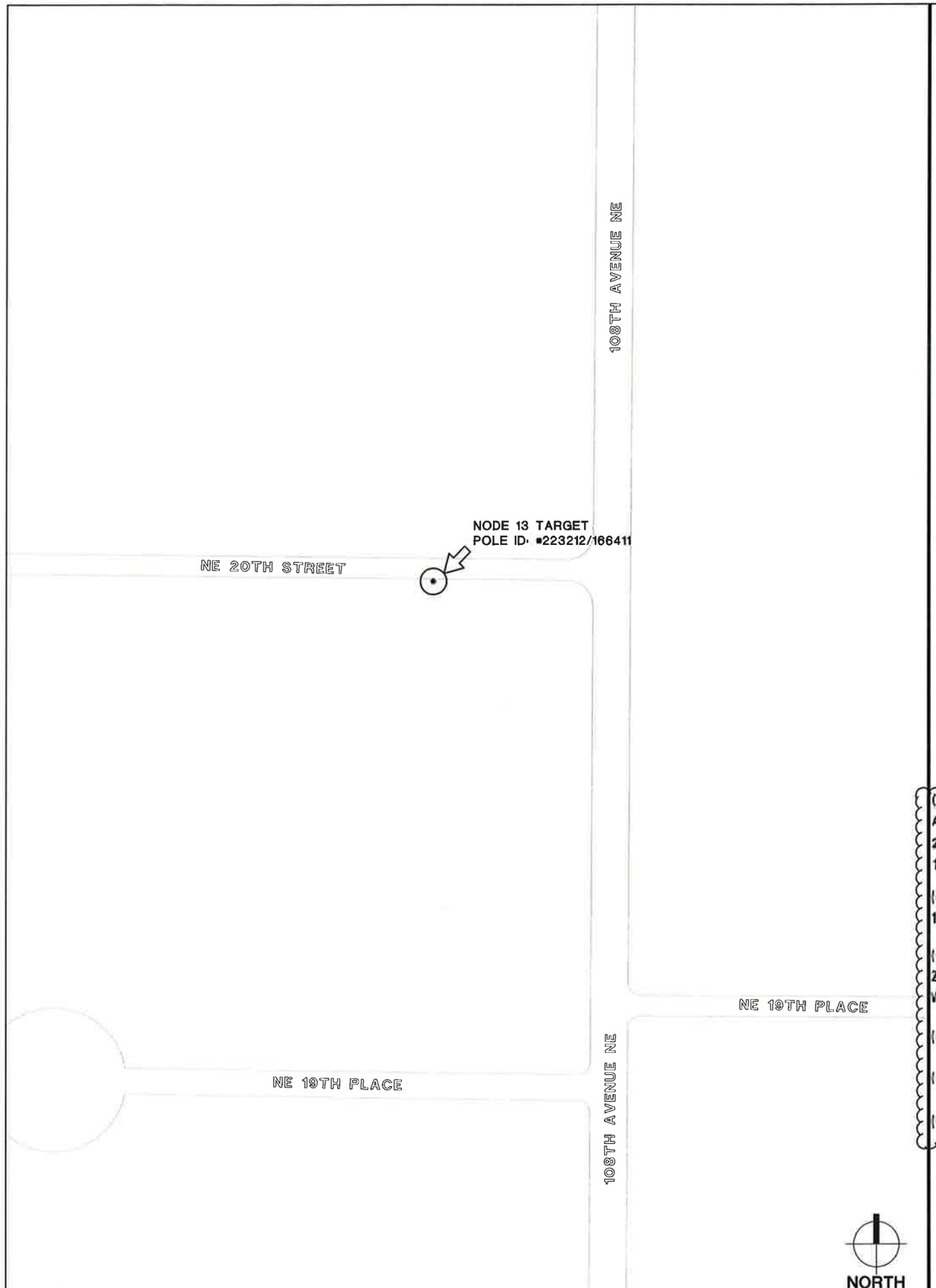
APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM. PERMIT ISSUE
1	GA	6/09/15	PRELIM. PERMIT ISSUE
0	GA	6/01/15	PRELIM. PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 12
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

SHEET NUMBER
A-11.1

PROJECT NUMBER
--



1 VICINITY MAP

SCALE: NOT TO SCALE

(A) Antenna (x2)
Amphenol HTXCW83111414FxDD
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

2 PROPOSED CONDITION PHOTO

SCALE: NOT TO SCALE

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES

19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
FAX: (425) 224-1614
WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

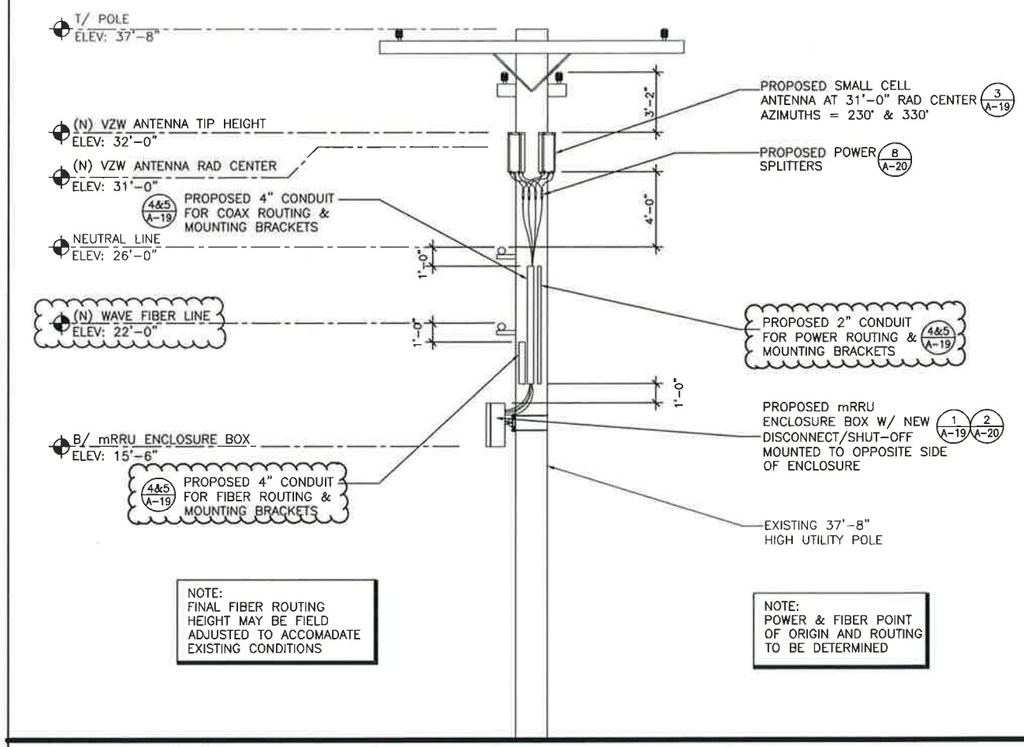
APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 13
EXISTING PHOTO
& VICINITY MAP

SHEET NUMBER
A-12.0

PROJECT NUMBER
--



NOTE:
FINAL FIBER ROUTING HEIGHT MAY BE FIELD ADJUSTED TO ACCOMADATE EXISTING CONDITIONS

NOTE:
POWER & FIBER POINT OF ORIGIN AND ROUTING TO BE DETERMINED

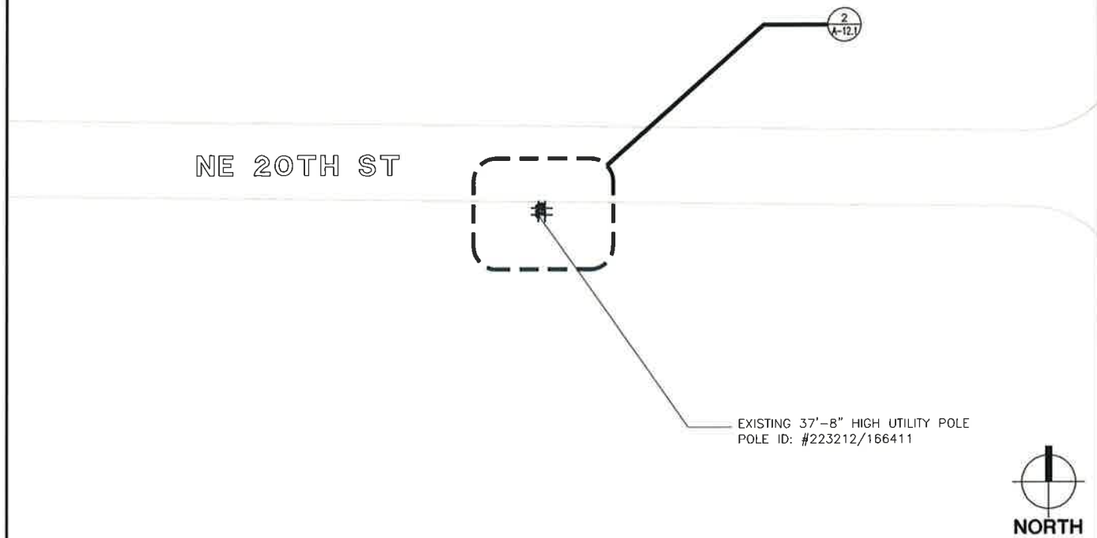
NOTE:
ATTACH RF WARNING SIGNS TO mRRU ENCLOSURE— SEE DETAILS 3-5/A-22

NODE 13
TARGET POLE ID: #223212/166411

1 UTILITY POLE WEST ELEVATION

SCALE: 1/4" = 1'-0" (22x34), 1/8" = 1'-0" (11x17)

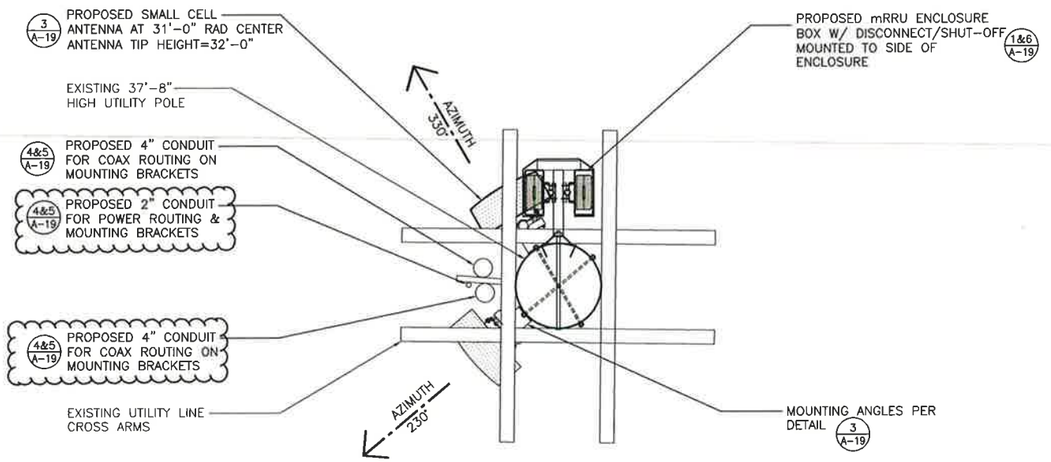
0 4 8 12



3 ENLARGED SITE PLAN

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

0 20 40 60



2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2 4

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES
19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
FAX: (425) 224-1614
WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

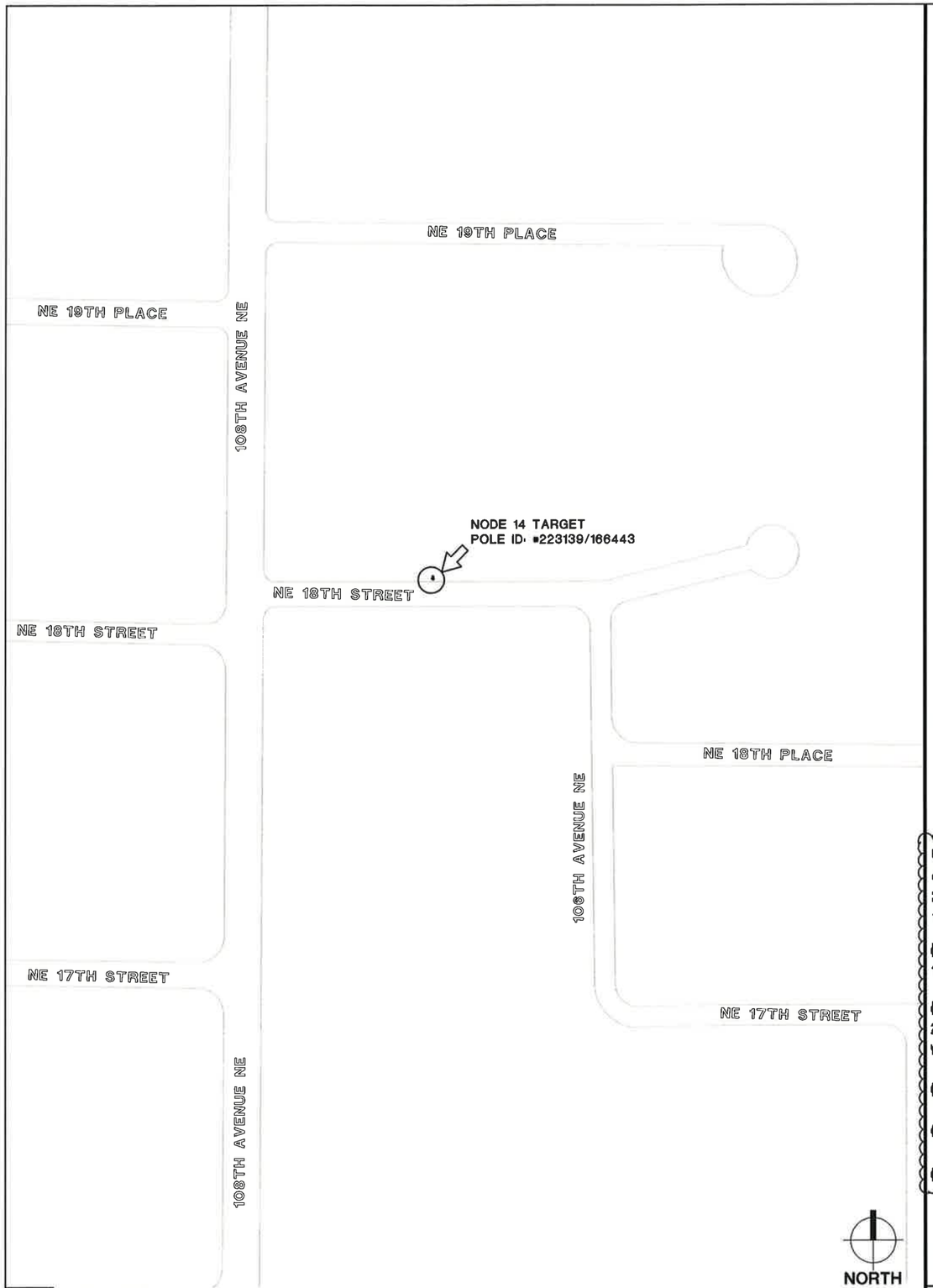
APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 13
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

SHEET NUMBER
A-12.1

PROJECT NUMBER



1 VICINITY MAP

SCALE: NOT TO SCALE

(A) Antenna (x2)
Amphenol HTXCW6311114Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

2 PROPOSED CONDITION PHOTO

SCALE: NOT TO SCALE

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES

19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
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WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

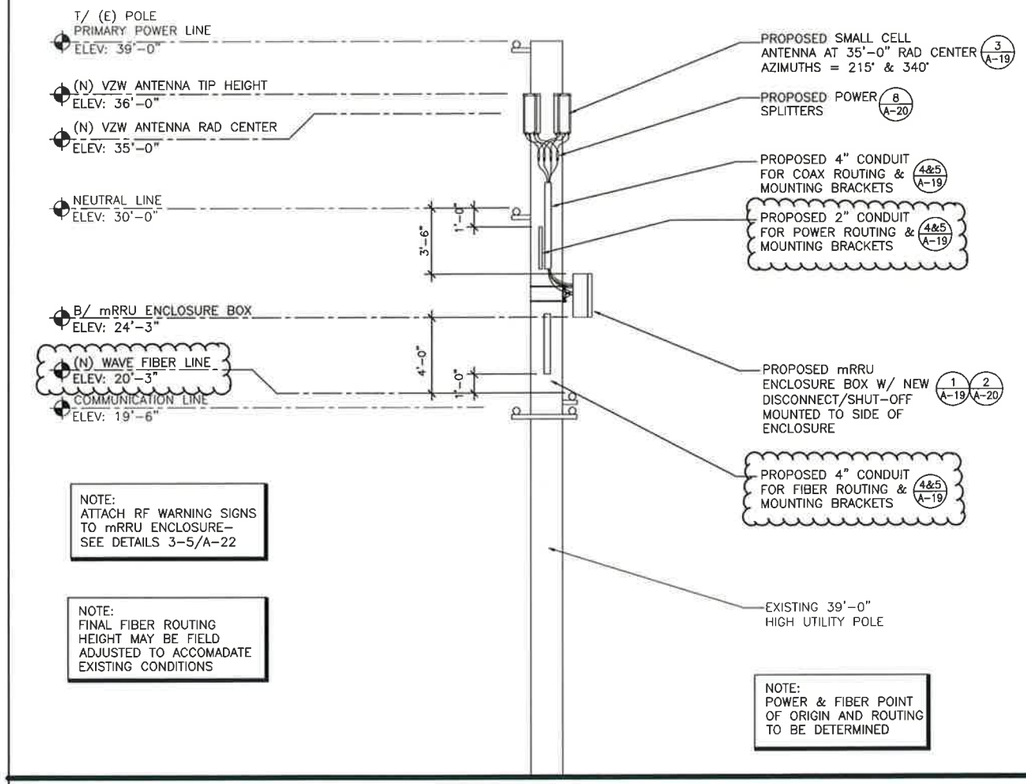
APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 14
EXISTING PHOTO
& VICINITY MAP

SHEET NUMBER
A-13.0

PROJECT NUMBER
--

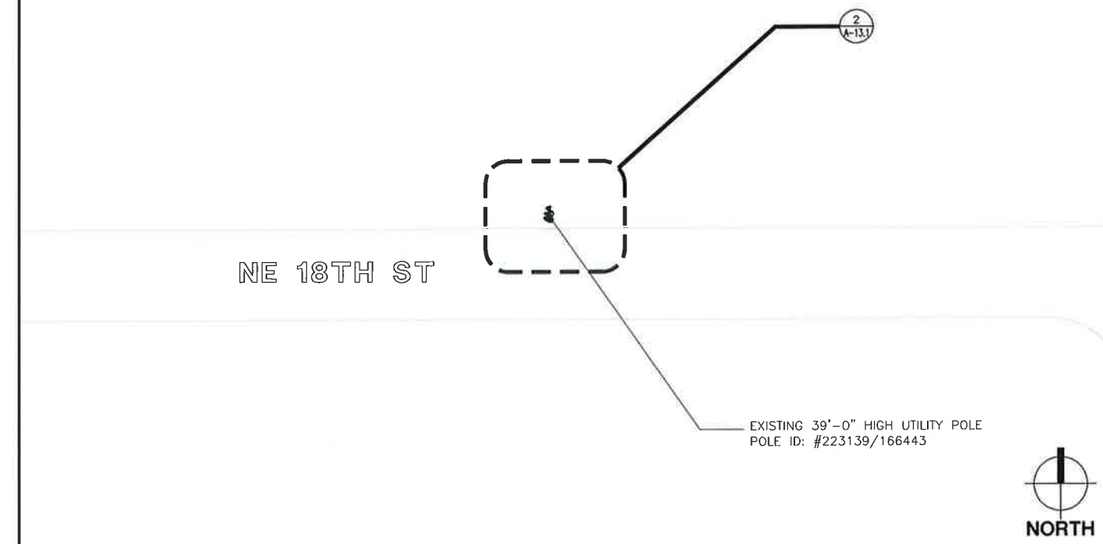


NODE 14
TARGET POLE ID: #223139/166443

1 UTILITY POLE WEST ELEVATION

SCALE: 1/4" = 1'-0" (22x34), 1/8" = 1'-0" (11x17)

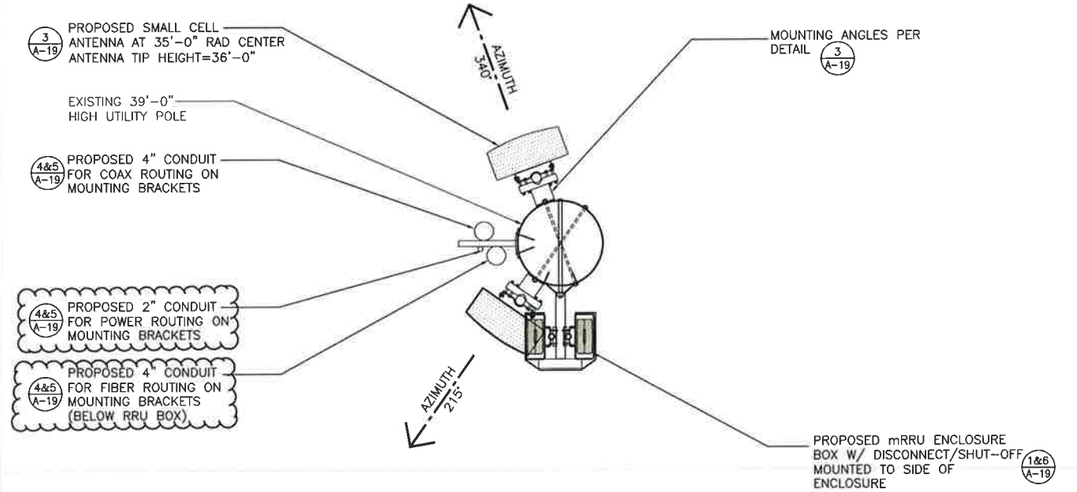
0 4 8 12



3 ENLARGED SITE PLAN

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

0 20 40 60



2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2 4

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES
19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
FAX: (425) 224-1614
WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

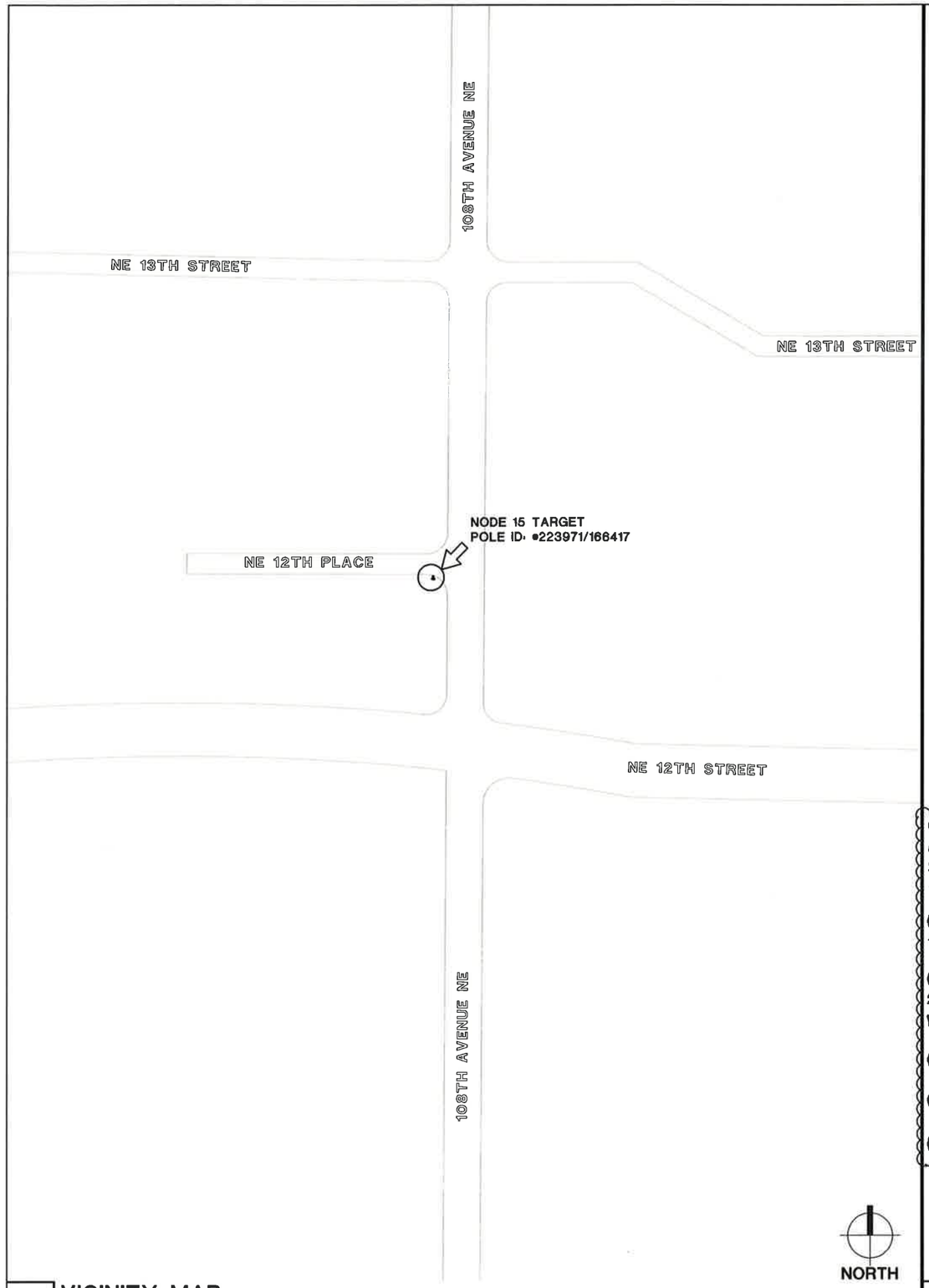
APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 14
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

SHEET NUMBER
A-13.1

PROJECT NUMBER
--



1 VICINITY MAP
SCALE: NOT TO SCALE

(A) Antenna (x2)
Amphenol HTXCW63111414Fx08
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
18" L (x4)

(C) MT-3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PS-E power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

2 PROPOSED CONDITION PHOTO
SCALE: NOT TO SCALE

verizon
md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES
19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
FAX: (425) 224-1614
WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

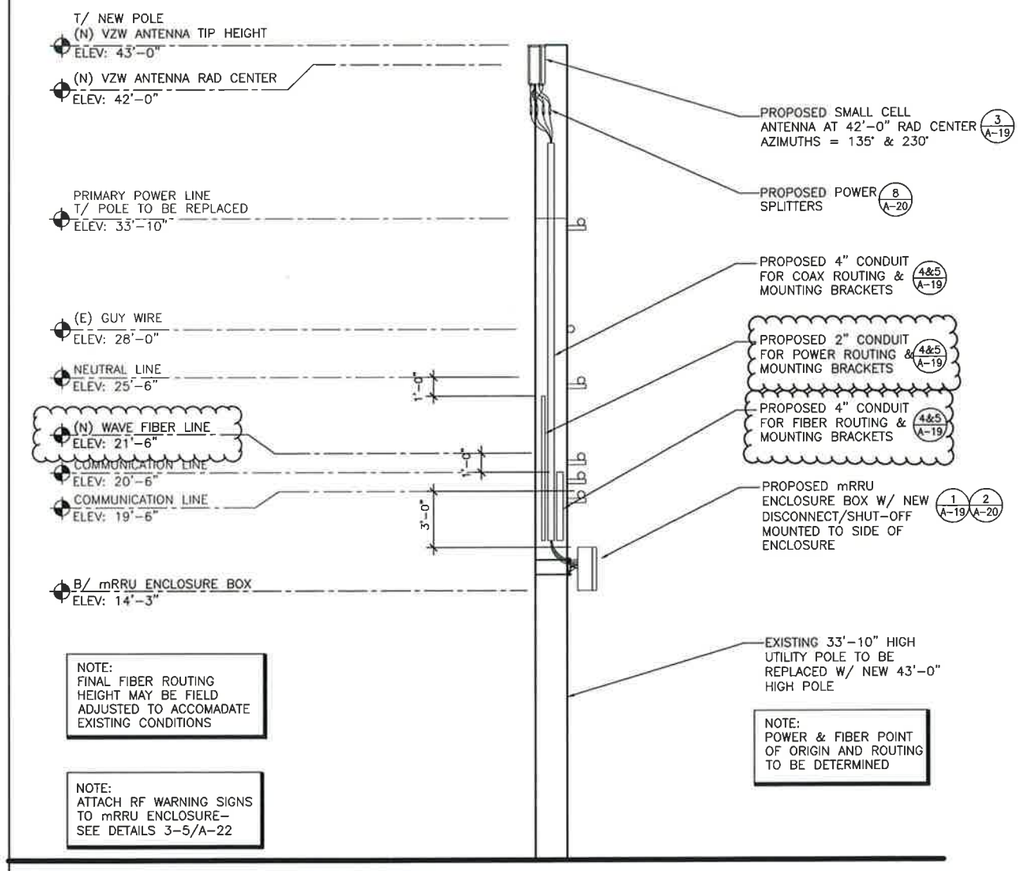
SHEET NAME
NODE 15
EXISTING PHOTO & VICINITY MAP

Received
MAY 17 2016
Permit Processing

SHEET NUMBER
A-14.0

PROJECT NUMBER
--

NOTE:
IN ORDER TO KEEP THIS POLE WE WILL HAVE TO RECONFIGURE SINGLE PHASE PRIMARY LINE TO POLE TOP PIN AND RAISE CUT-OUT AND LOWER THE NEUTRAL & SERVICE LINES 1'-0", OTHERWISE POLE WILL NEED TO BE REPLACED WITH A TALLER POLE.



NOTE:
FINAL FIBER ROUTING HEIGHT MAY BE FIELD ADJUSTED TO ACCOMADATE EXISTING CONDITIONS

NOTE:
ATTACH RF WARNING SIGNS TO mRRU ENCLOSURE- SEE DETAILS 3-5/A-22

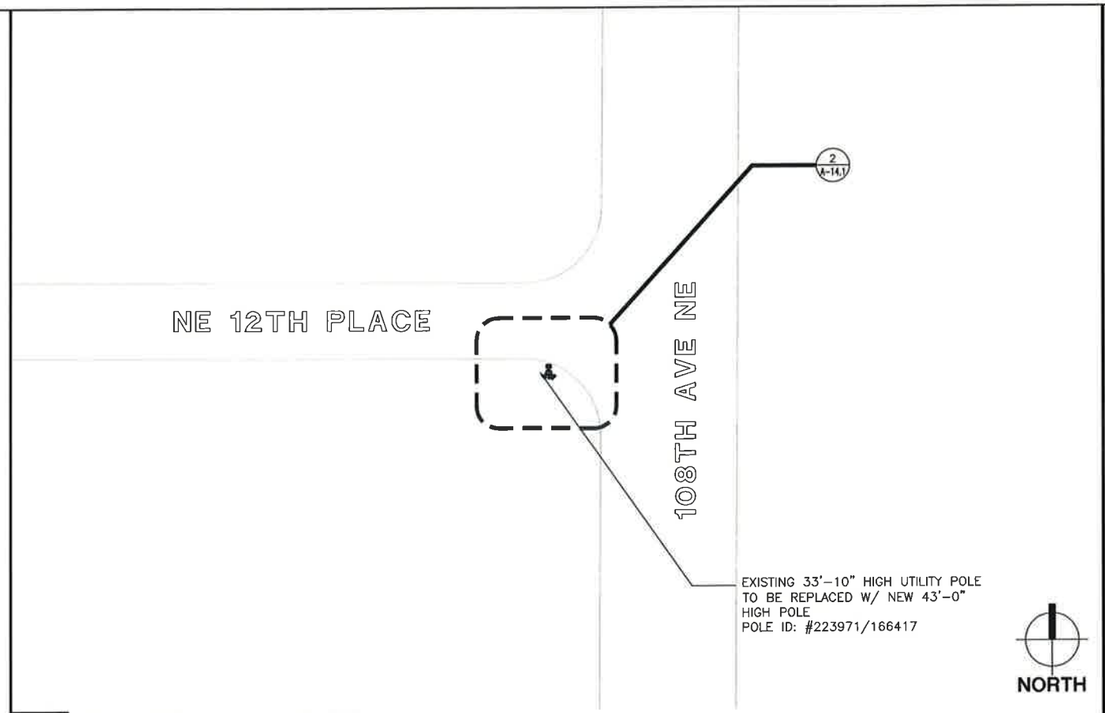
NOTE:
POWER & FIBER POINT OF ORIGIN AND ROUTING TO BE DETERMINED

NODE 15
TARGET POLE ID: #223971/166417

1 UTILITY POLE EAST ELEVATION

SCALE: 1/4" = 1'-0" (22x34), 1/8" = 1'-0" (11x17)

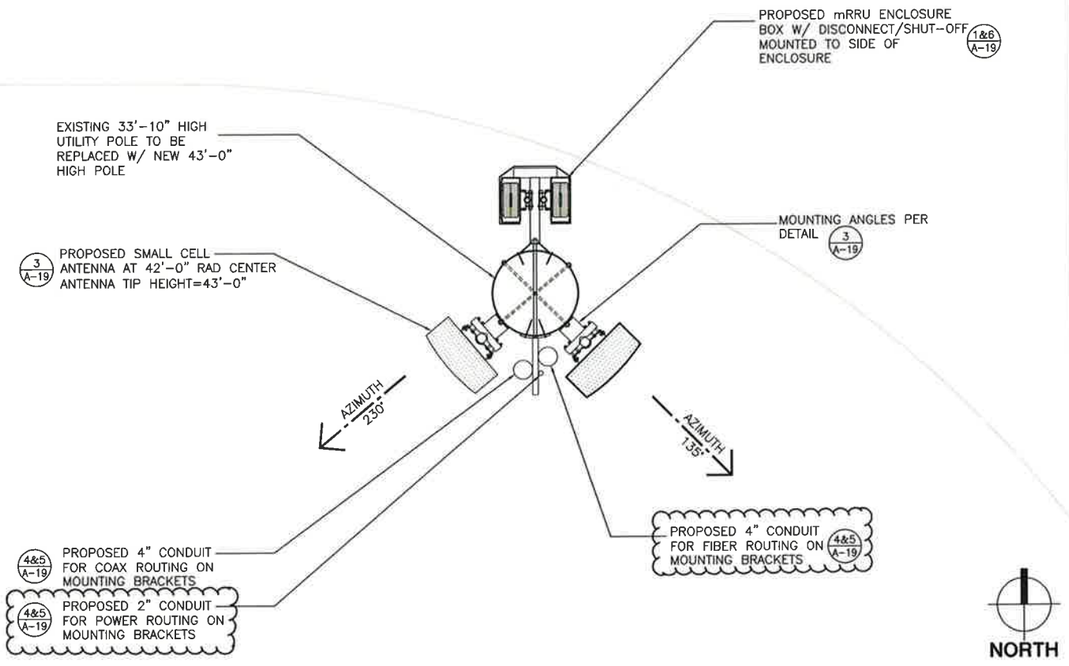
0 4 8 12



3 ENLARGED SITE PLAN

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

0 20 40 80



2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2 4 8

verizon
md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES
19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
FAX: (425) 224-1614
WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

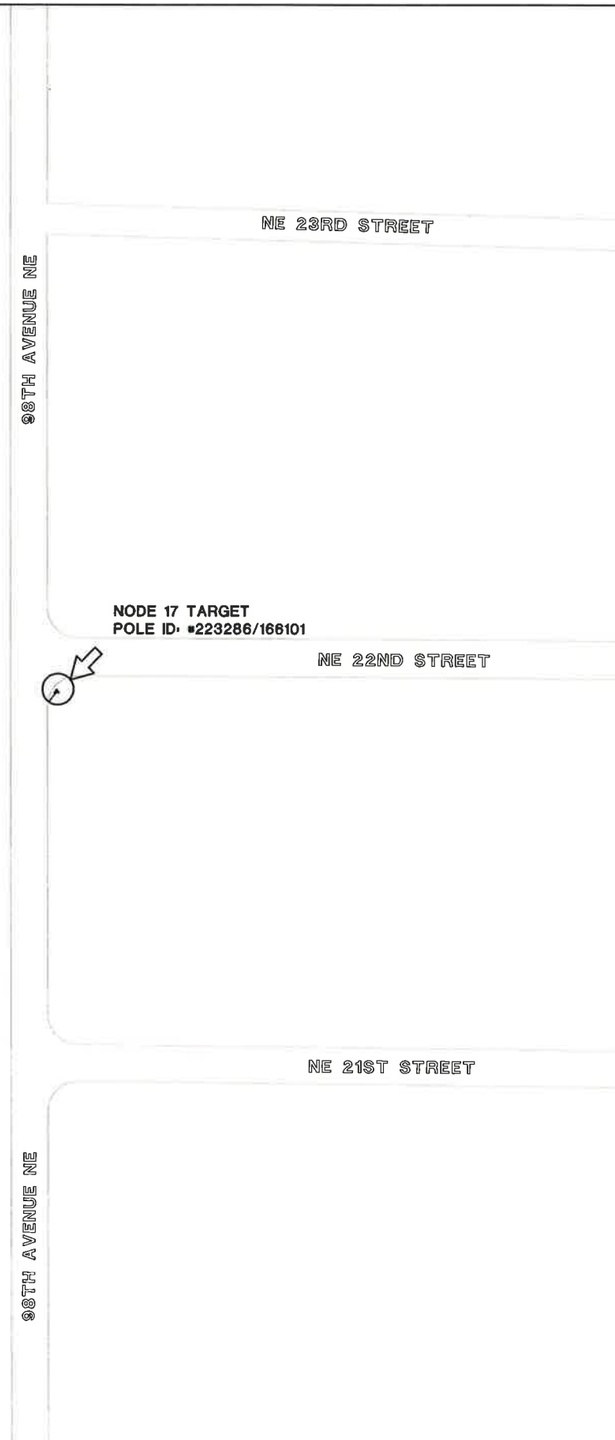
APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 15
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

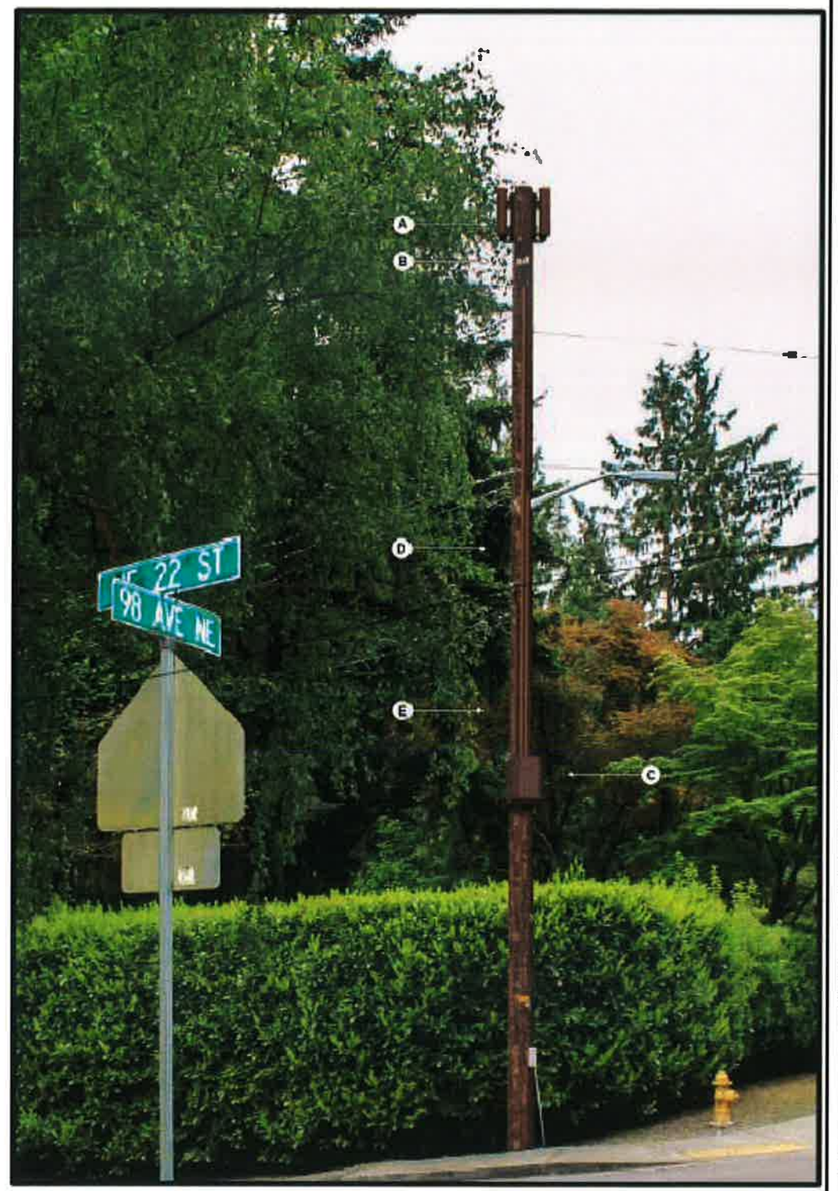
SHEET NUMBER
A-14.1

PROJECT NUMBER



1 VICINITY MAP

SCALE: NOT TO SCALE



(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MT-C3786PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

2 PROPOSED CONDITION PHOTO

SCALE: NOT TO SCALE

md7 verizon

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES

19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
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PROJECT MANAGER: EJC

PREPARED BY: GA

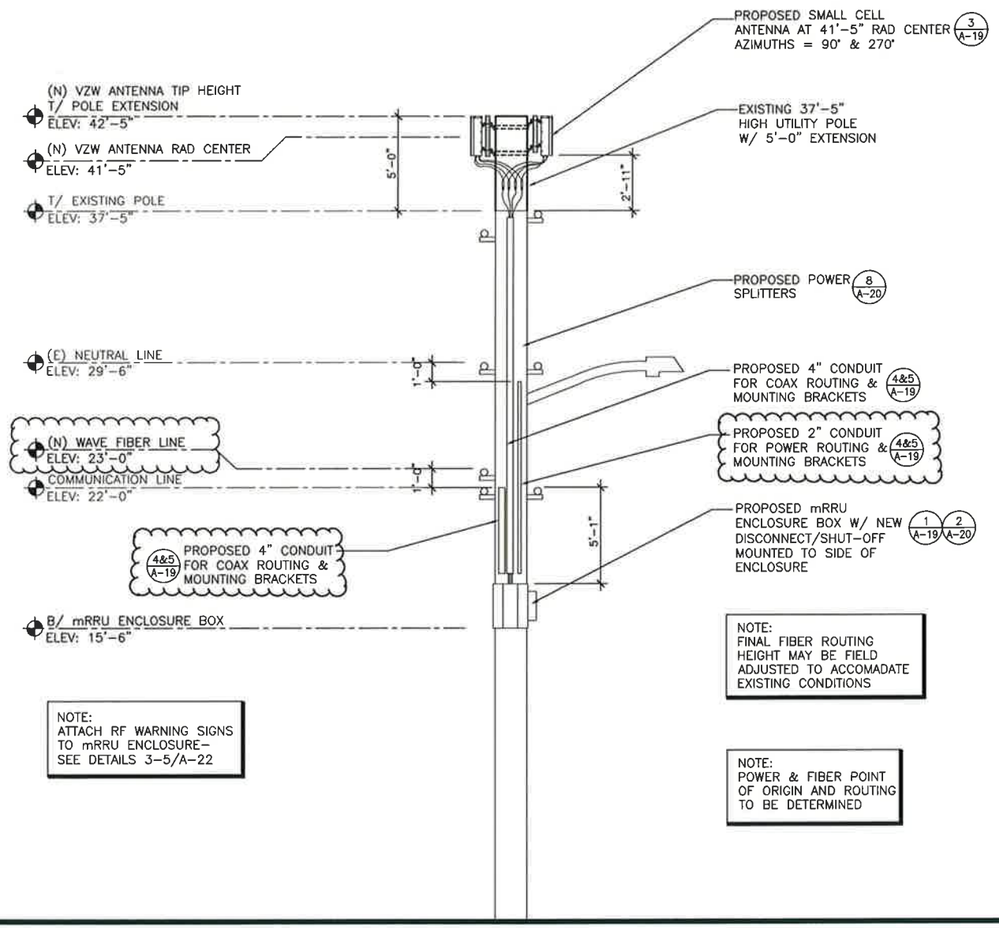
APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 17
EXISTING PHOTO
& VICINITY MAP

SHEET NUMBER
A-15.0

PROJECT NUMBER
--

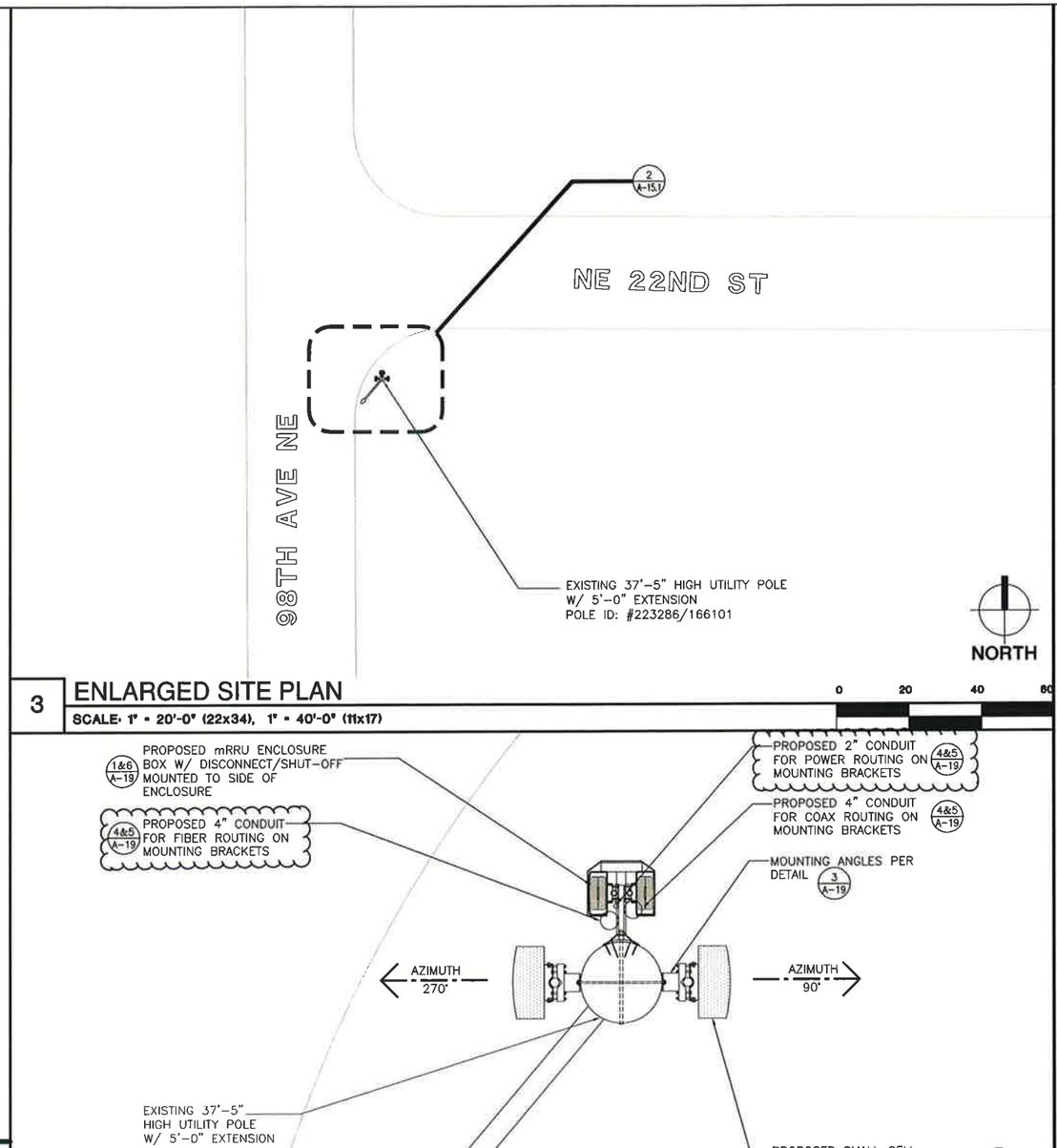


NODE 17
TARGET POLE ID: #223286/166101

1 UTILITY POLE NORTH ELEVATION

SCALE: 1/4" = 1'-0" (22x34), 1/8" = 1'-0" (11x17)

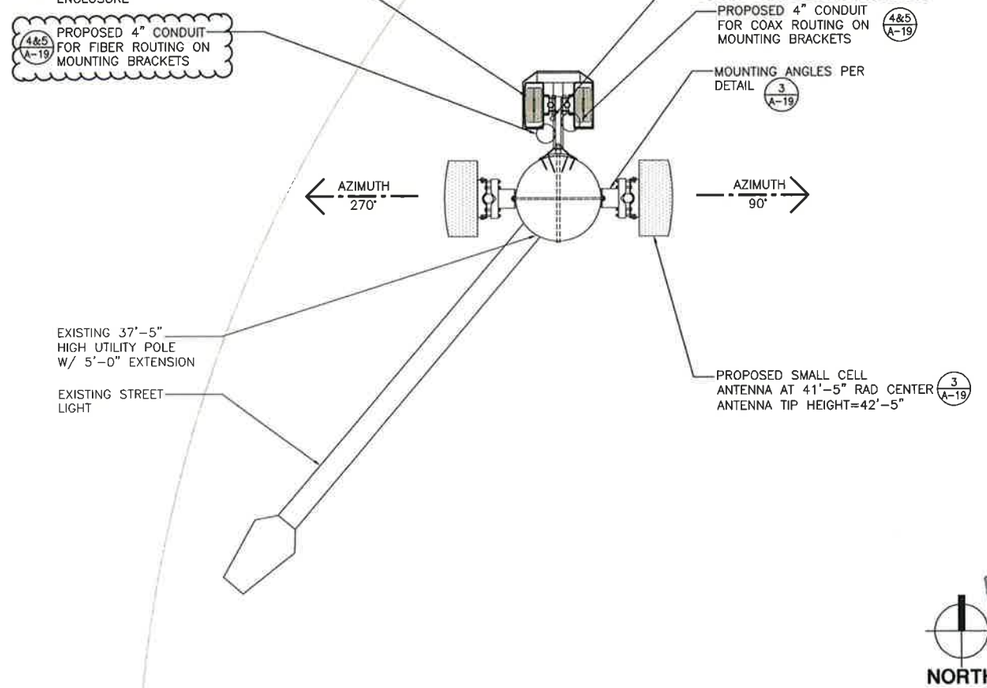
0 4 8 12



3 ENLARGED SITE PLAN

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

0 20 40 60



2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2 4 8

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES
19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-8392
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WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

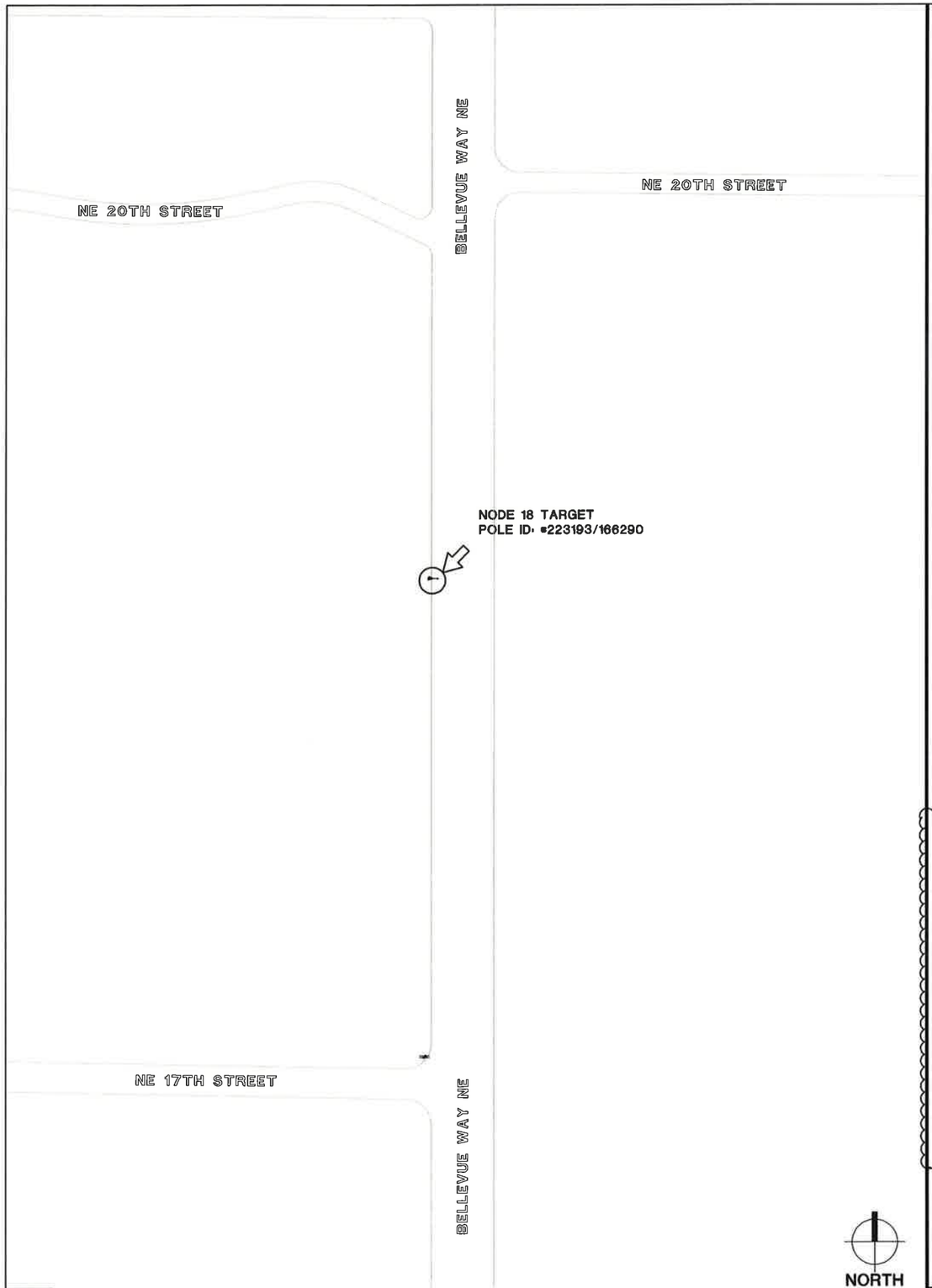
APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 17
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

SHEET NUMBER
A-15.1

PROJECT NUMBER
--



1 VICINITY MAP

SCALE: NOT TO SCALE

(A) Antenna (x2)
Amphenol HTXCW03111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs. (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3768PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

2 PROPOSED CONDITION PHOTO

SCALE: NOT TO SCALE

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES

19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
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WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

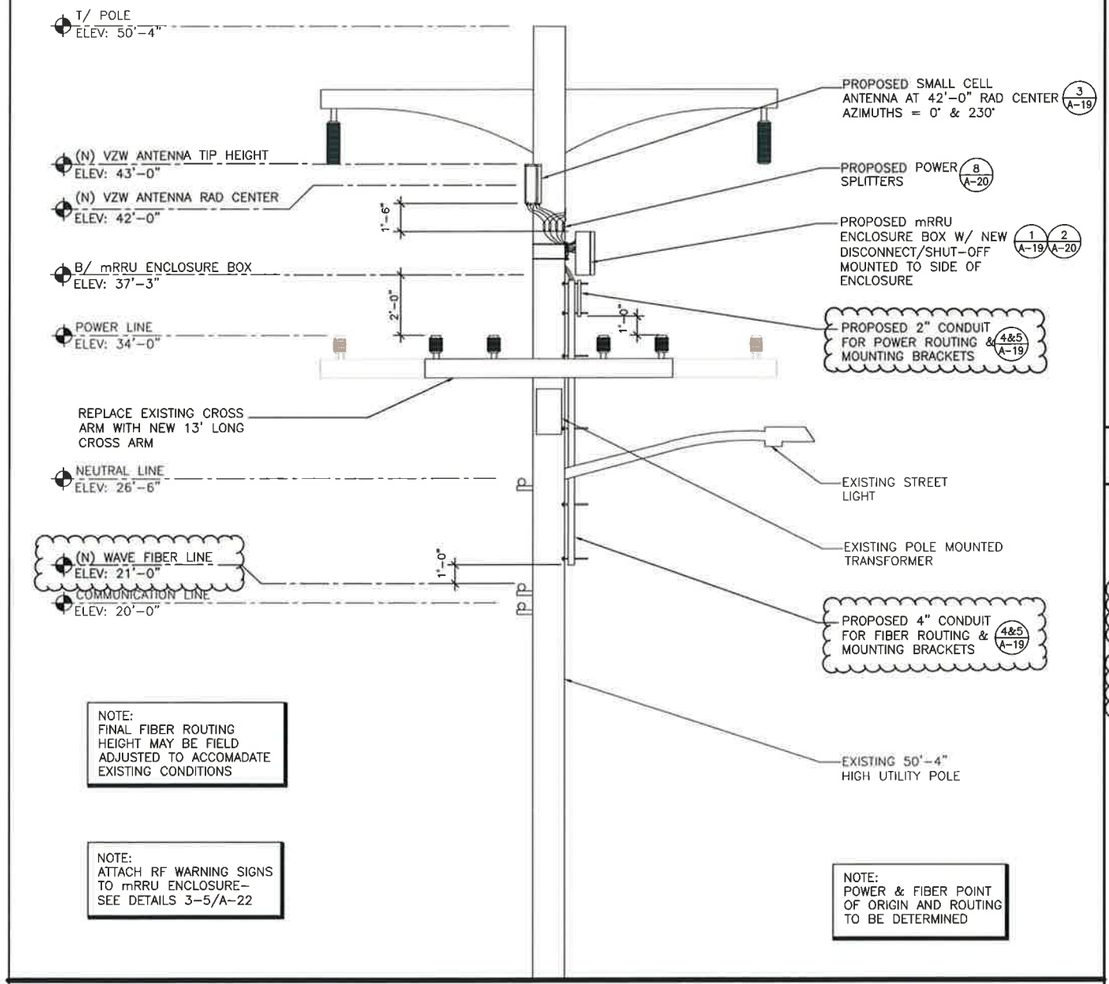
APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 18
EXISTING PHOTO
& VICINITY MAP

SHEET NUMBER
A-16.0

PROJECT NUMBER
--

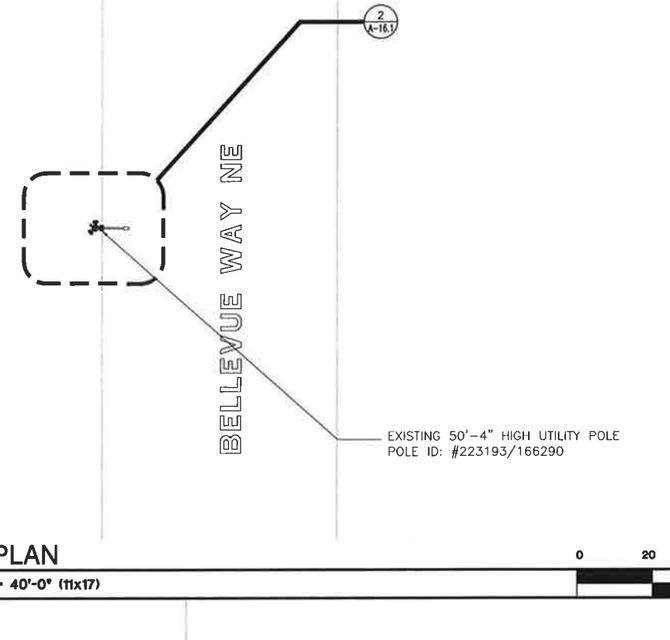


NODE 18
TARGET POLE ID: #223193/166290

1 UTILITY POLE SOUTH ELEVATION

SCALE: 1/4" = 1'-0" (22x34), 1/8" = 1'-0" (11x17)

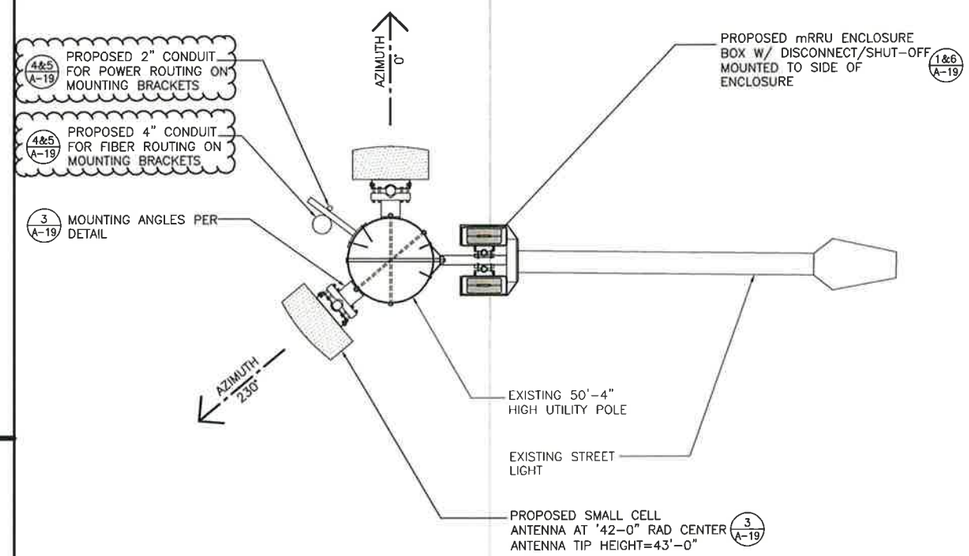
0 4 8 12



3 ENLARGED SITE PLAN

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

0 20 40 60



2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2 4 8

verizon
md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES
19401 40TH AVENUE W, SUITE 304
LYNNWOOD, WA 98036
PHONE: (425) 740-6392
FAX: (425) 224-1614
WWW.CAMPASSOC.COM

PROJECT MANAGER: EJC

PREPARED BY: GA

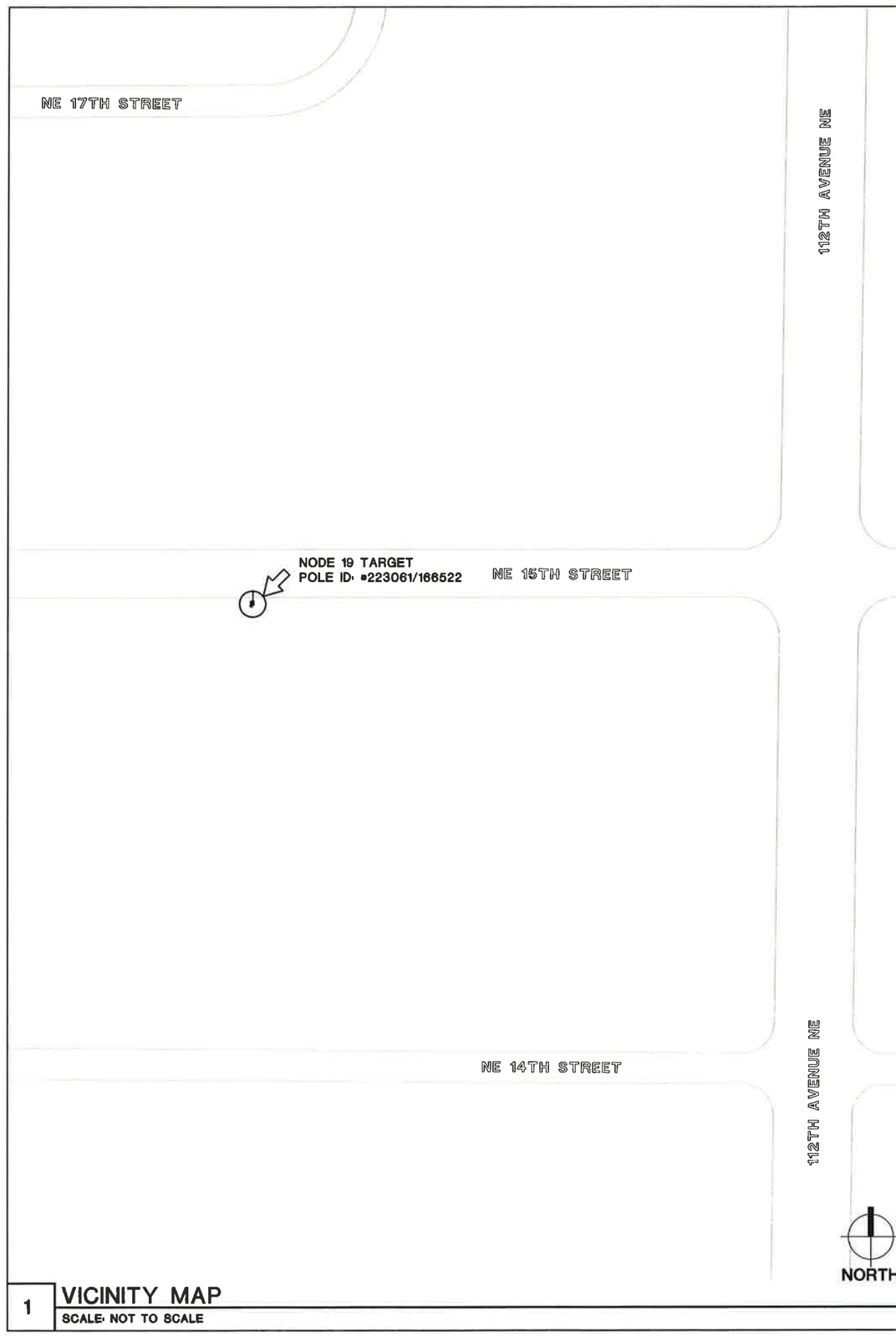
APPROVED BY: EJC

7	GA	05/16/16	CLIENT REVISIONS
6	GA	01/25/16	CLIENT REVISIONS
5	GA	01/04/16	CLIENT REVISIONS
4	GA	11/16/15	CLIENT REVISIONS
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 18
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

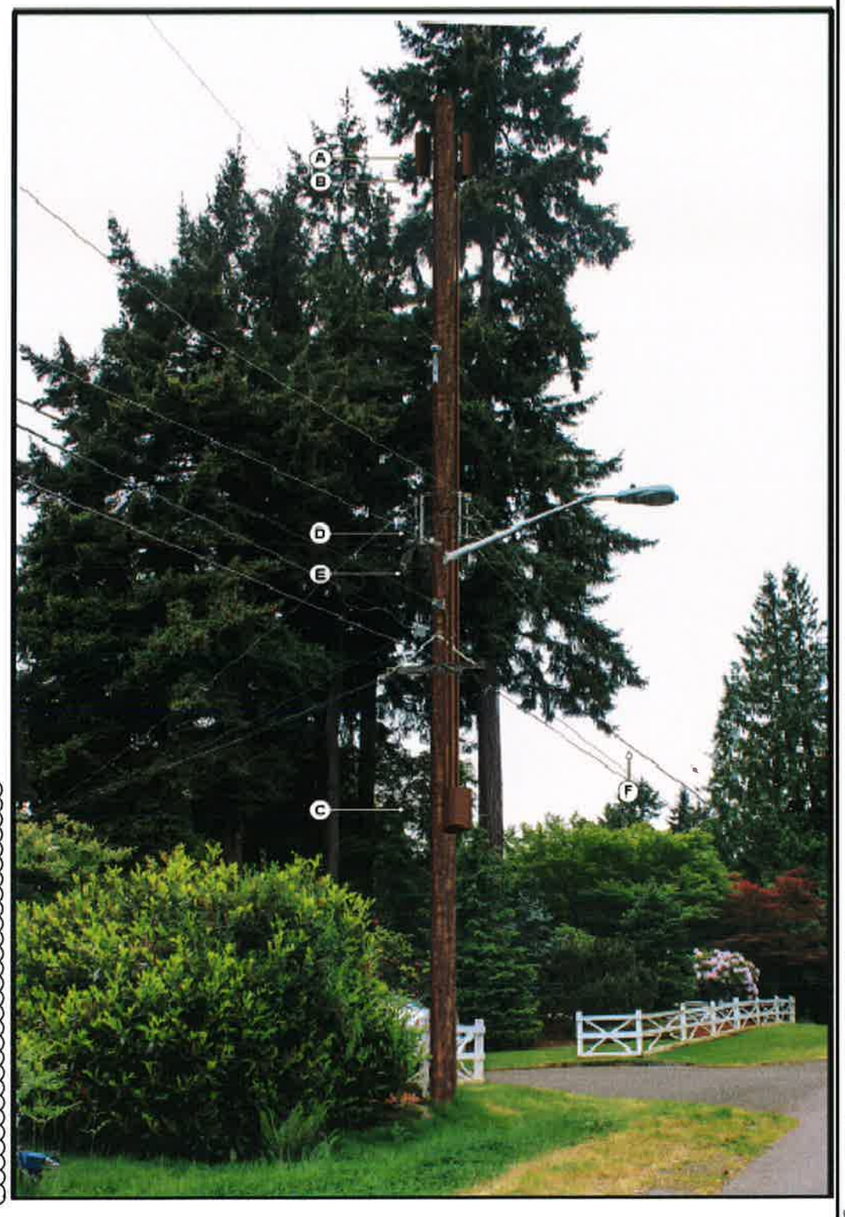
SHEET NUMBER
A-16.1

PROJECT NUMBER
--



1 VICINITY MAP

SCALE: NOT TO SCALE



(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

2 PROPOSED CONDITION PHOTO

SCALE: NOT TO SCALE

verizon

md7

ARCHERLINE

(SMALL CELL)

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BELLEVUE, WA

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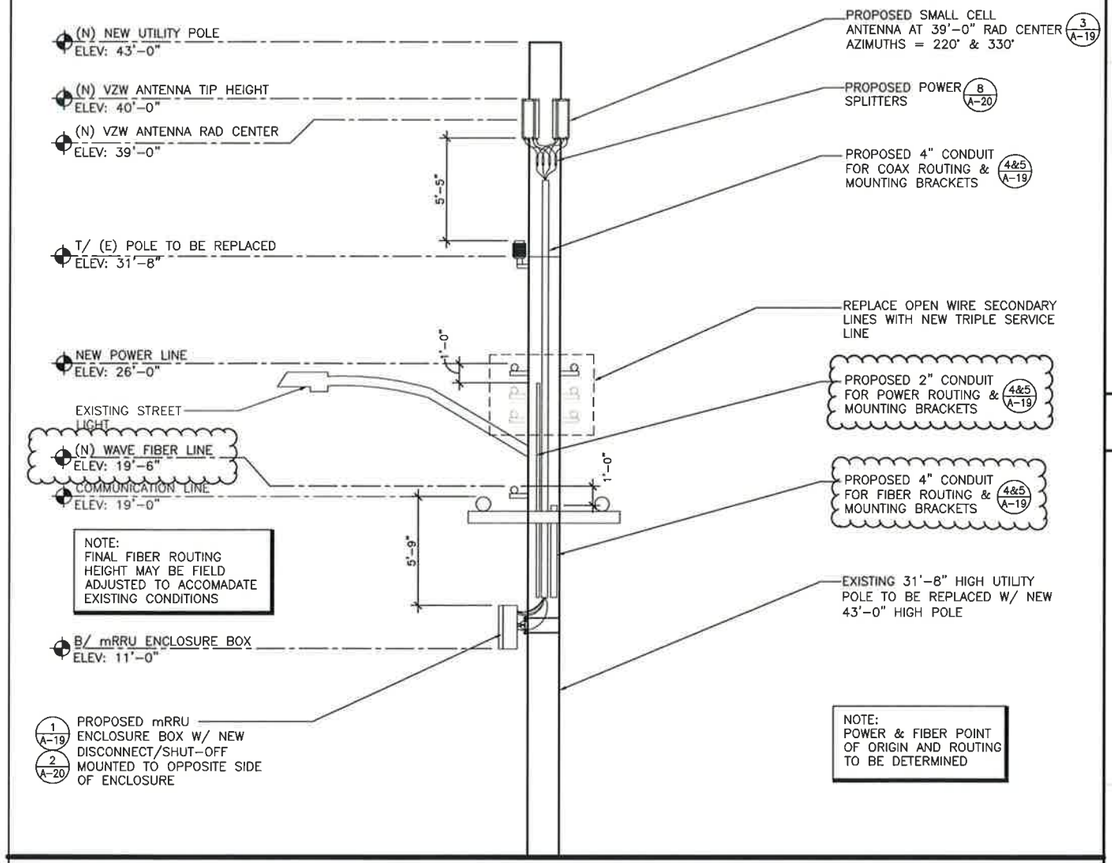
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 19
EXISTING PHOTO
& VICINITY MAP

SHEET NUMBER
A-17.0

PROJECT NUMBER
--



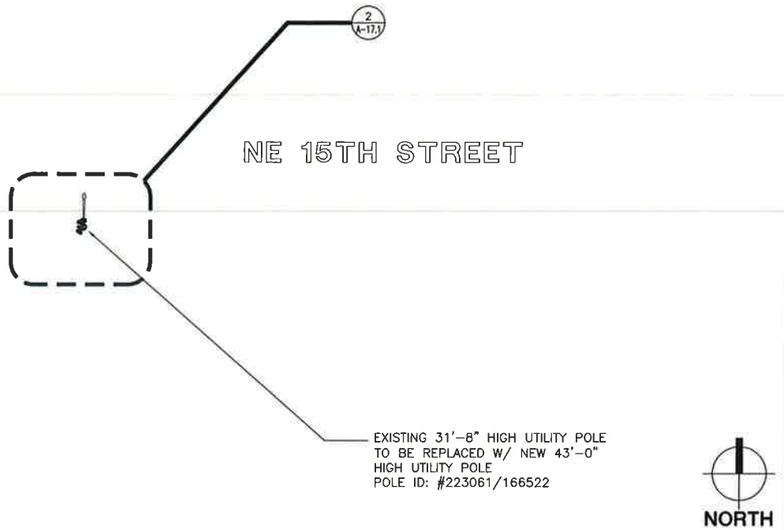
NOTE:
ATTACH RF WARNING SIGNS TO mRRU ENCLOSURE-
SEE DETAILS 3-5/A-22

NODE 19
TARGET POLE ID: #223061/166522

1 UTILITY POLE SOUTH ELEVATION

SCALE: 1/4" = 1'-0" (22x34), 1/8" = 1'-0" (11x17)

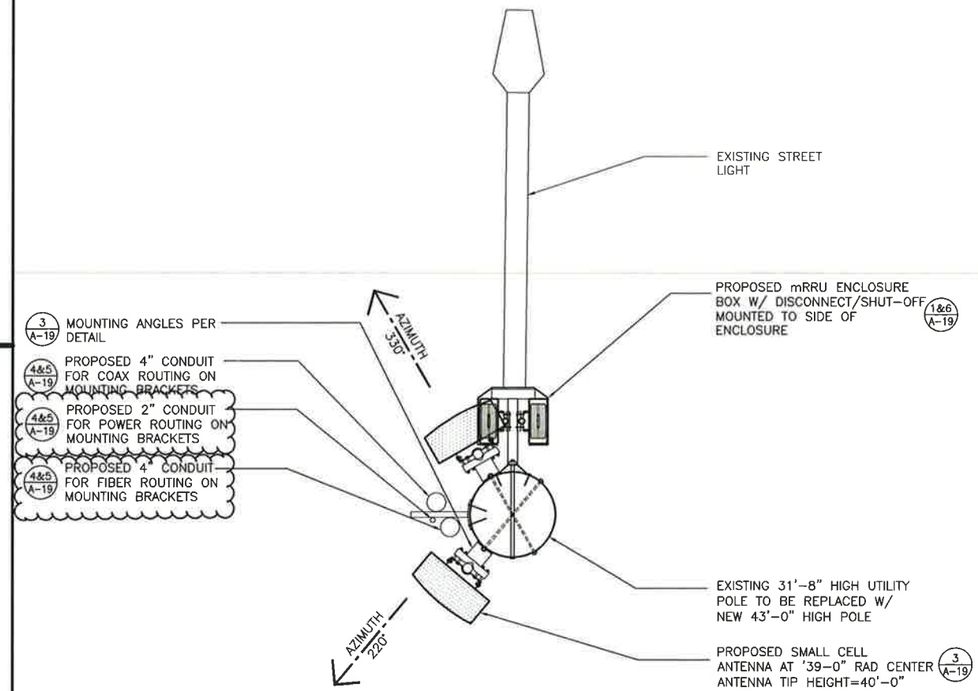
0 4 8 12



3 ENLARGED SITE PLAN

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

0 20 40 60



2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2 4 6

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

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LYNNWOOD, WA 98036
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PROJECT MANAGER: EJC

PREPARED BY: GA

APPROVED BY: EJC

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5	GA	01/04/16	CLIENT REVISIONS
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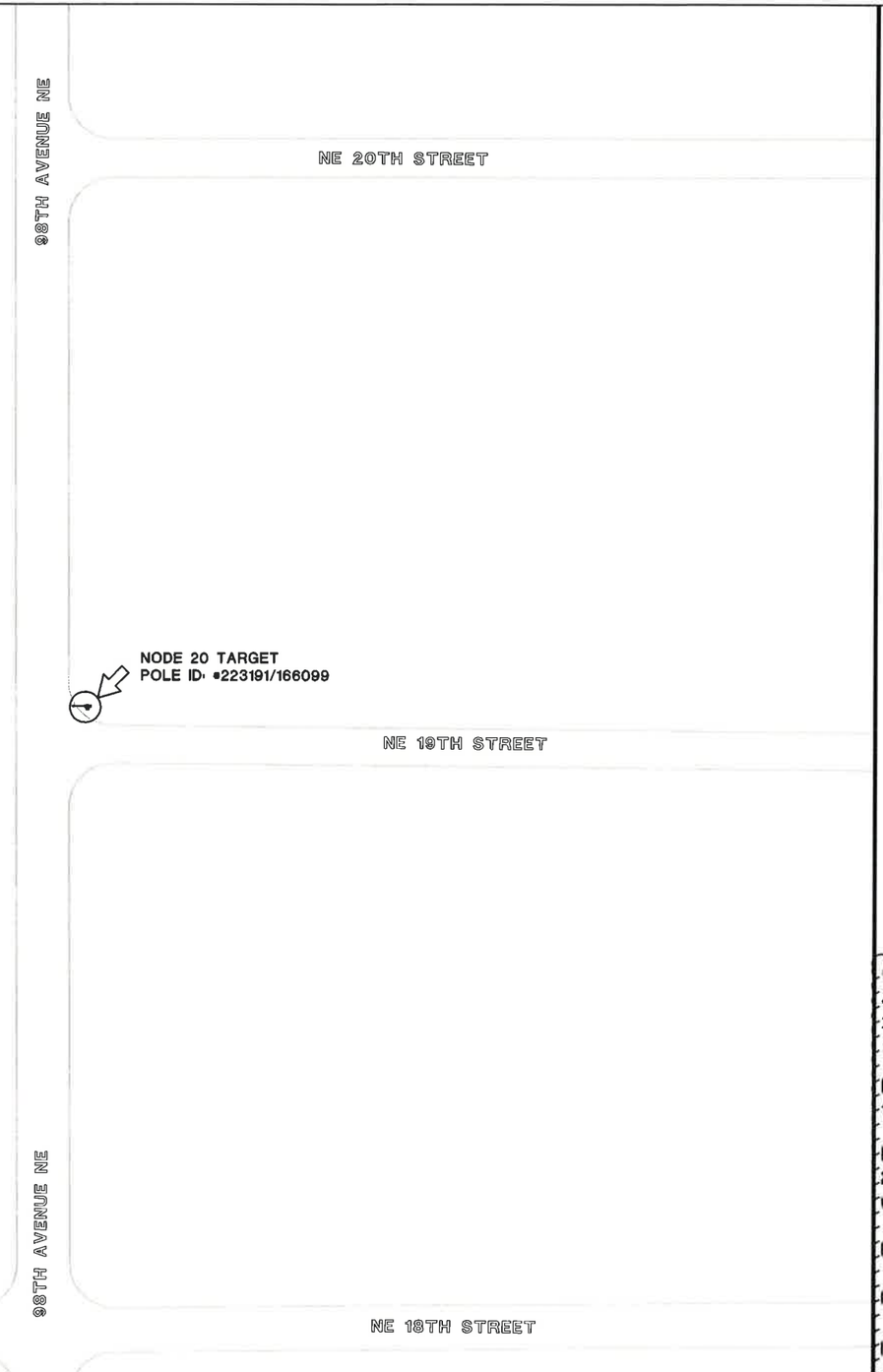
3	GA	10/22/15	FINAL PERMIT ISSUE
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 19
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

SHEET NUMBER
A-17.1

PROJECT NUMBER



1 VICINITY MAP
SCALE: NOT TO SCALE

(A) Antenna (x2)
Amphenol HTXCW63111414Fx00
23.5" H x 12" W x 7.1" D
13 lbs (x2)

(B) Microlab Low PIM Splitters
10" L (x4)

(C) MTC3788PRE2 RRU
28" H x 22" W x 12" D
Weight TBD

(D) Proposed PSE power draw

(E) Proposed Wave Conduit

(F) Proposed Wave Fiber

2 PROPOSED CONDITION PHOTO
SCALE: NOT TO SCALE

verizon
md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

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PROJECT MANAGER: EJC

PREPARED BY: GA

APPROVED BY: EJC

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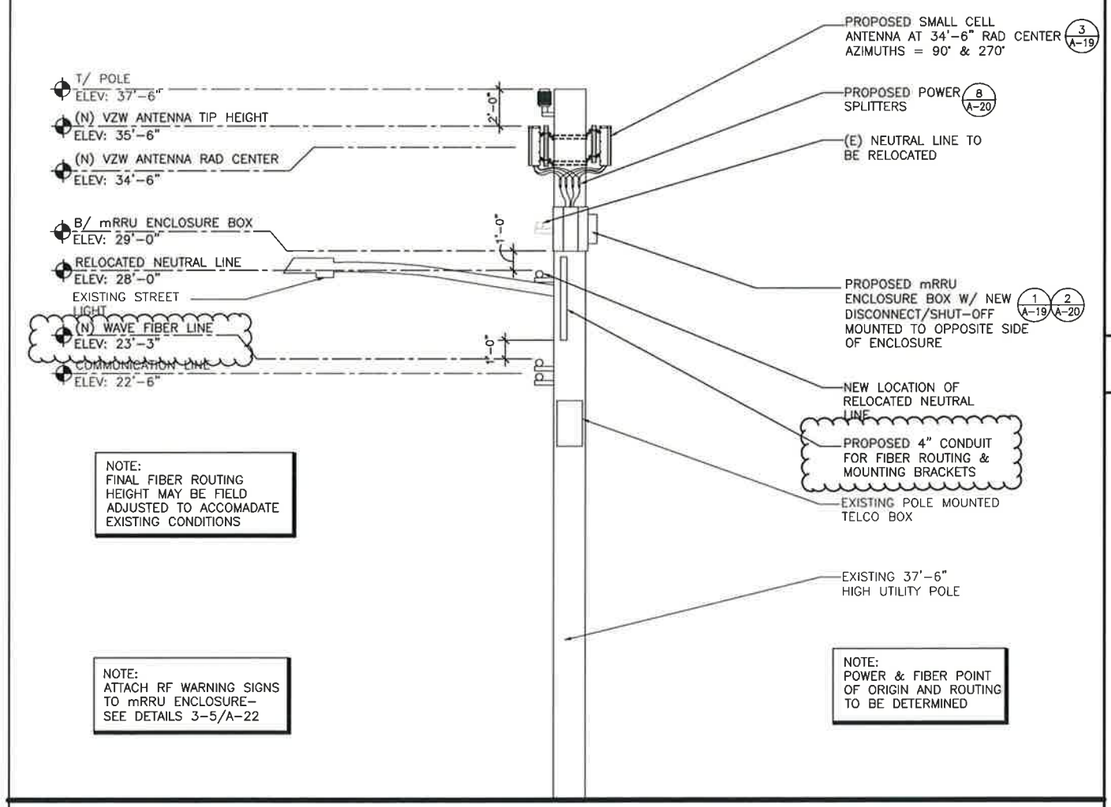
2	GA	8/06/15	PRELIM PERMIT ISSUE
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 20
EXISTING PHOTO
& VICINITY MAP

SHEET NUMBER
A-18.0

PROJECT NUMBER
--

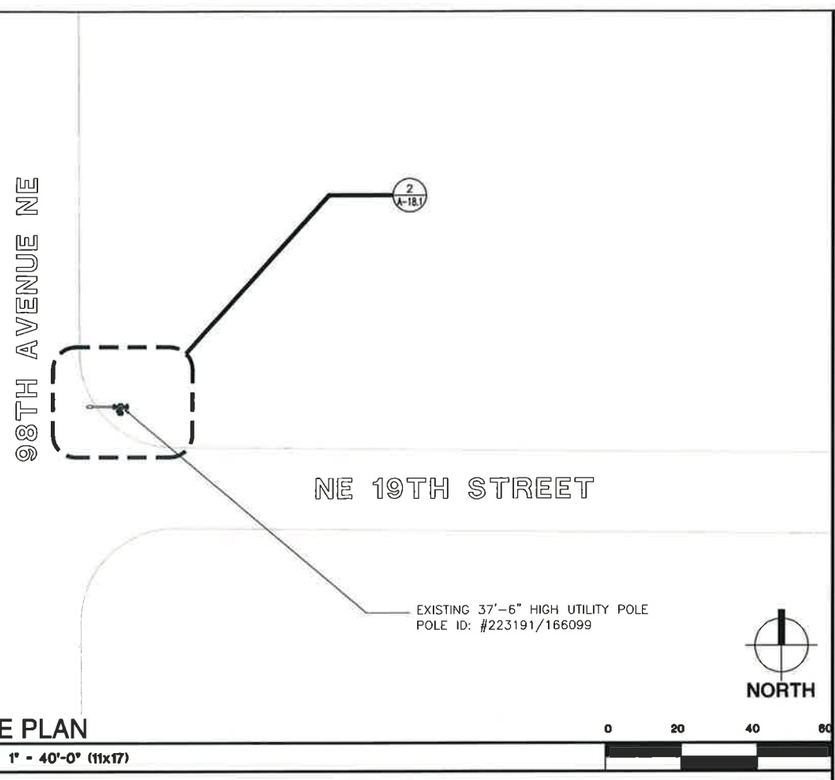


NODE 20
TARGET POLE ID: #223191/166099

1 UTILITY POLE SOUTH ELEVATION

SCALE: 1/4" = 1'-0" (22x34), 1/8" = 1'-0" (11x17)

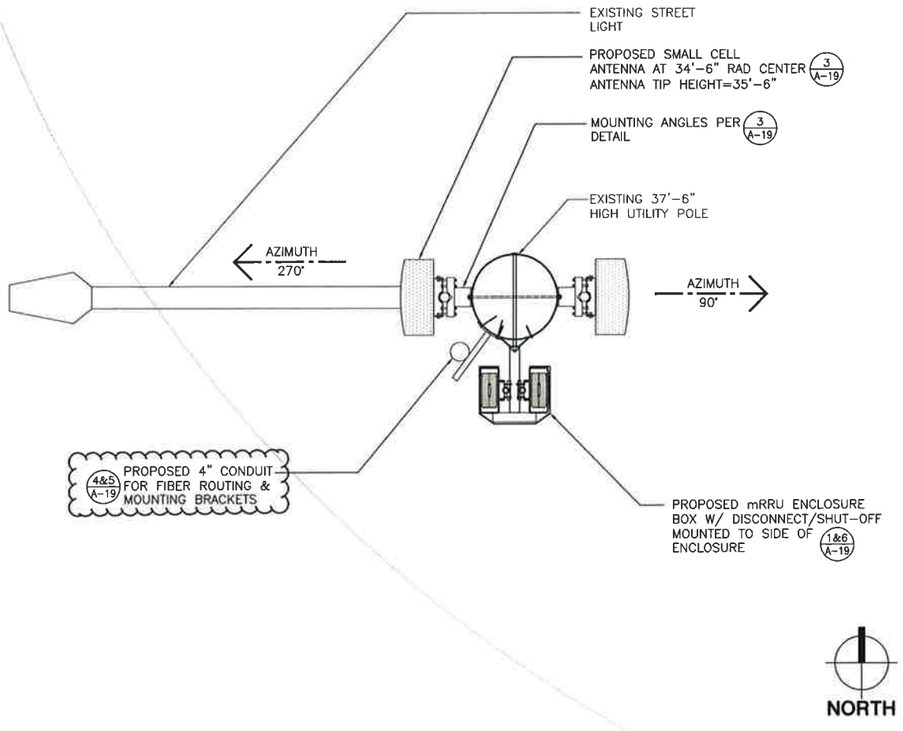
0 4 8 12



3 ENLARGED SITE PLAN

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

0 20 40 60



2 ANTENNA & EQUIPMENT PLAN

SCALE: 3/4" = 1'-0" (22x34), 3/8" = 1'-0" (11x17)

0 2 4 8

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES

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LYNNWOOD, WA 98036
PHONE: (425) 740-6392
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PROJECT MANAGER: EJC

PREPARED BY: GA

APPROVED BY: EJC

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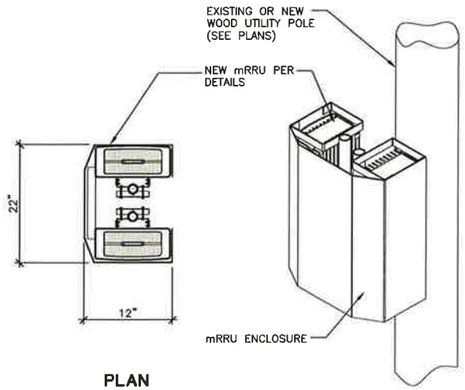
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

SHEET NAME
NODE 20
ENLARGED SITE PLAN, ANTENNA PLAN & UTILITY POLE ELEVATION

SHEET NUMBER
A-18.1

PROJECT NUMBER
--



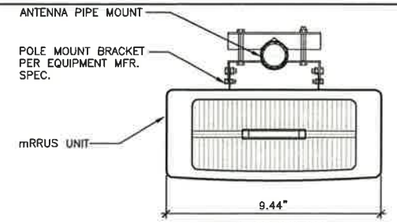
PLAN

ISOMETRIC

SIDE FRONT

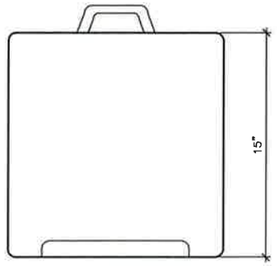
1 mRRU ENCLOSURE DETAIL

NOT TO SCALE

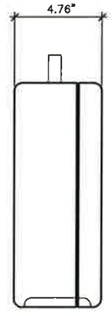


PLAN VIEW

NOTE: WEIGHT OF UNIT IS 22 LBS



FRONT

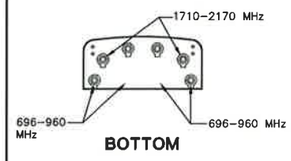


SIDE

2 ERICSSON mRRU SPECIFICATIONS

NOT TO SCALE

FRONT SIDE REAR

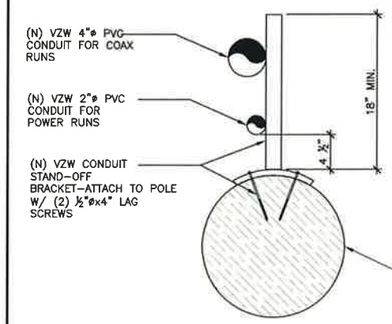


BOTTOM

ANTEL ANTENNA: ANTEL No. HTXCWW63111414Fxy0
DIMENSIONS: 23.2"H X 12.0"W X 7.1"D
WEIGHT: 13.0 LBS (5.9 KG)
WIND RATING:150 MPH (241 KM/H)

3 ANTENNA & ANTENNA MOUNTING DETAIL

NOT TO SCALE

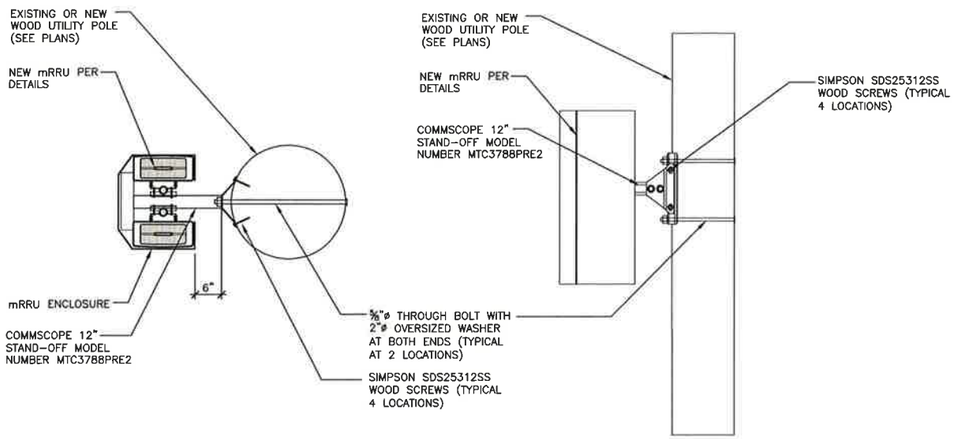


4 CONDUIT ROUTING AT UTILITY POLE

NOT TO SCALE

5 CONDUIT ROUTING AT UTILITY POLE

NOT TO SCALE



6 mRRU ENCLOSURE MOUNTING DETAIL (WOOD POLE)

NOT TO SCALE

verizon

md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

CAMP+ ASSOCIATES

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LYNNWOOD, WA 98036
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3	GA	10/22/15	FINAL PERMIT ISSUE
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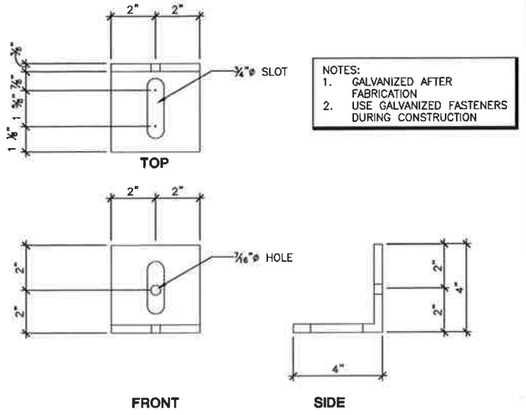
1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

EQUIPMENT DETAILS

SHEET NAME

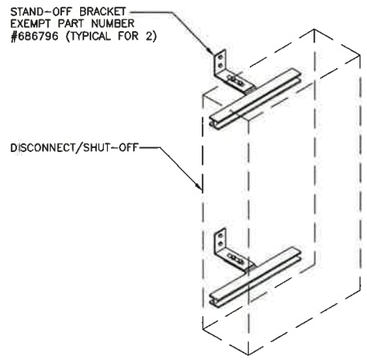
SHEET NUMBER
A-19

PROJECT NUMBER
--

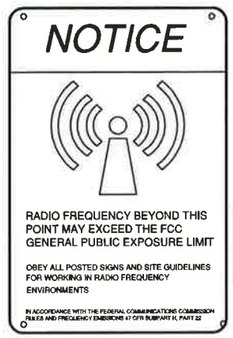


NOTES:
1. GALVANIZED AFTER FABRICATION
2. USE GALVANIZED FASTENERS DURING CONSTRUCTION

1 ANGLE BRACKET DETAIL
NOT TO SCALE

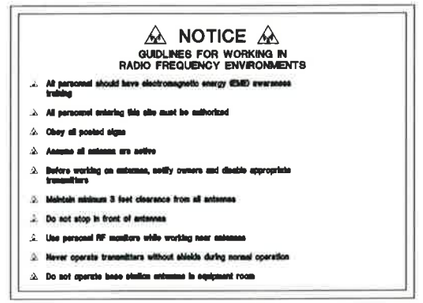


2 DISCONNECT MOUNTING DETAIL
NOT TO SCALE



NOTE:
INSTALL ON mRRU ENCLOSURE PER MANUFACTURER SPECIFICATIONS AND FCC AND VERIZON WIRELESS GUIDELINES

3 RF WARNING SIGN
NOT TO SCALE



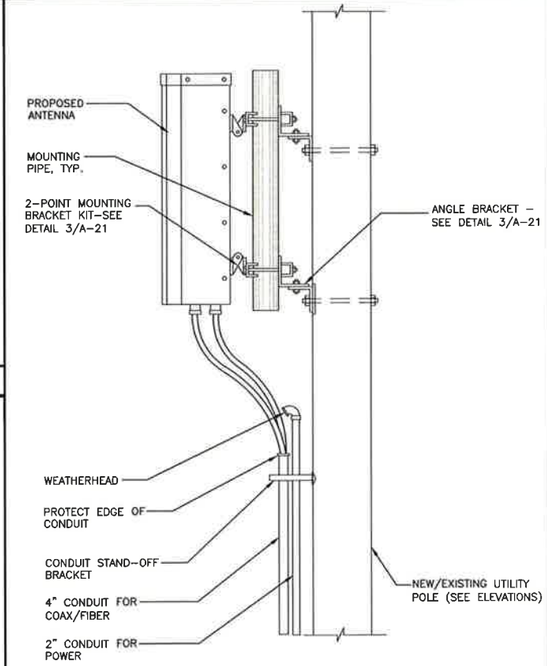
NOTE:
INSTALL ON mRRU ENCLOSURE PER MANUFACTURER SPECIFICATIONS AND FCC AND VERIZON WIRELESS GUIDELINES

4 RF NOTICE SIGN
NOT TO SCALE

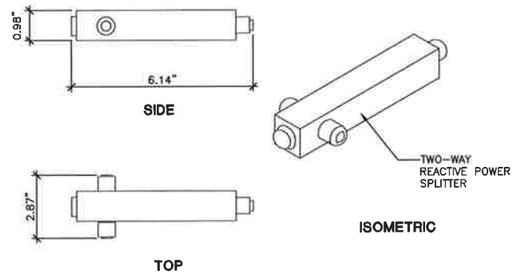
IN CASE OF
EMERGENCY
CALL N.O.C.
1-800-264-6620

NOTE:
INSTALL PER MANUFACTURER SPECIFICATIONS AND FCC AND VERIZON WIRELESS GUIDELINES

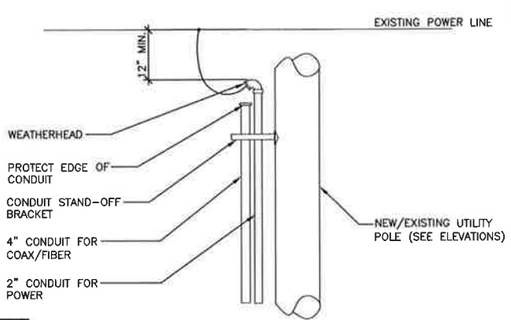
5 N.O.C. SIGN
NOT TO SCALE



7 WEATHERHEAD DETAIL
NOT TO SCALE



8 POWER SPLITTER DETAIL
NOT TO SCALE



6 WEATHERHEAD DETAIL
NOT TO SCALE

Received
MAY 17 2016
Permit Processing

verizon
md7

ARCHERLINE

(SMALL CELL)

NORTHWEST BELLEVUE
BELLEVUE, WA

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3	GA	10/22/15	FINAL PERMIT ISSUE
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1	GA	6/09/15	PRELIM PERMIT ISSUE
0	GA	6/01/15	PRELIM PERMIT ISSUE
A	GA	5/21/15	LEASE EXHIBIT ISSUE

EQUIPMENT DETAILS

SHEET NAME

SHEET NUMBER
A-20

PROJECT NUMBER
--

April 7, 2016

City of Bellevue Development Services
450 110th Ave NE
Bellevue, WA 98009

RE: Verizon Small Cell Project "Archerline" – Engineering Site Design Certification

Dear Planning Staff:

The Archerline Small Cell project is designed to provide residential coverage and is intended to be in compliance with the following sections of the Bellevue Land Use Code as follows:

20.20.195.D.1: 1. Height. Any request to exceed the height allowed for exempt WCF pursuant to subsection B of this section shall be the minimum necessary for effective functioning of the provider's network, as certified by the provider's licensed engineer.

- *All proposed antenna heights are acceptable for network function. Only four nodes of the nineteen will require additional height and this is due to Puget Sound Energy's engineering requirements mainly related to separation from lines and other equipment. See nodes 4, 9, 15, and 19.*

20.20.195.D.4.d: General. WCF equipment shall be the minimum size necessary to support operation of the WCF as certified by the provider's licensed engineer. Where multiple WCFs are proposed to be located in close proximity, WCF equipment may be required to be consolidated in one WCF equipment housing structure.

- *The proposed antennas are 23 inches in height and are the minimum necessary to support this system.*

20.20.195.D.2. WCF Location and Design. The applicant shall submit maps certified by the provider's licensed engineer indicating the geographic area within which a facility must be located to meet an identified coverage or capacity need. For purposes of this section, this map is called the "search ring."

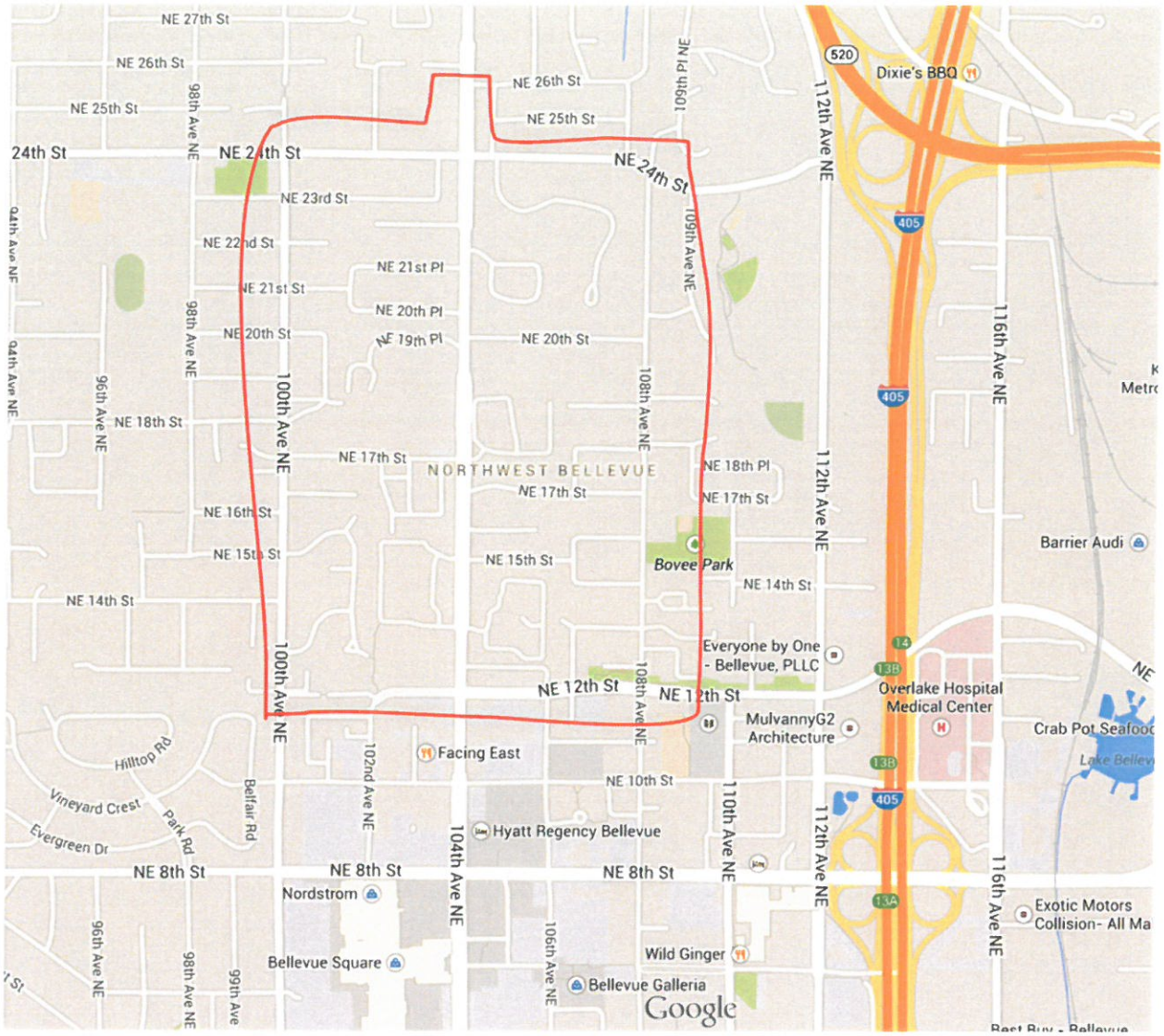
- *The attached search ring represents the area in which Verizon seeks to close a network coverage and capacity gap.*

The above answers are true and complete to the best of my knowledge.

Sincerely

Krystal Taylor
RF Engineer

SEARCH RING SEA ARCHERLINE



Archerline Small Cell Service Coverage Map

Exhibit 1B: Before

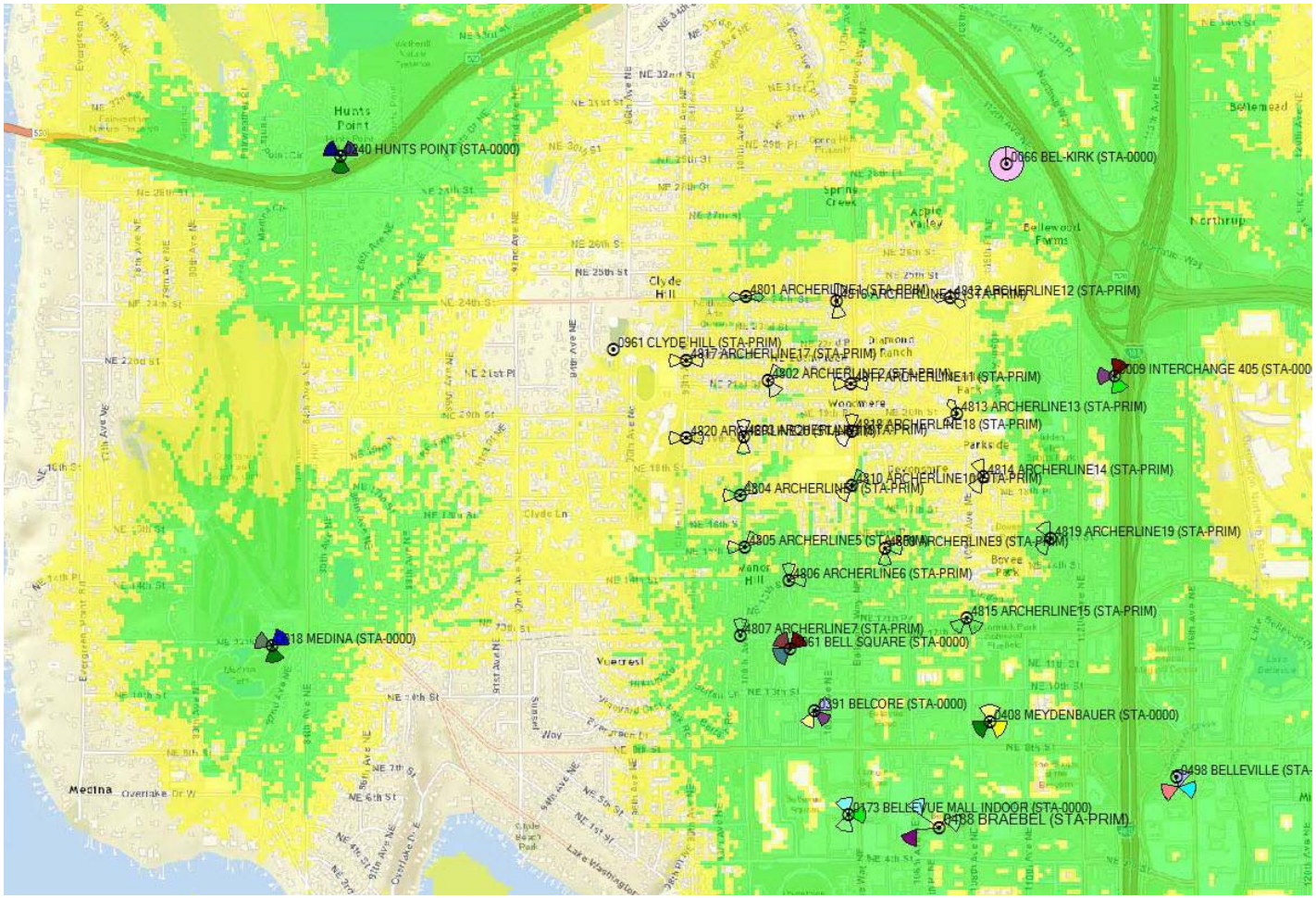
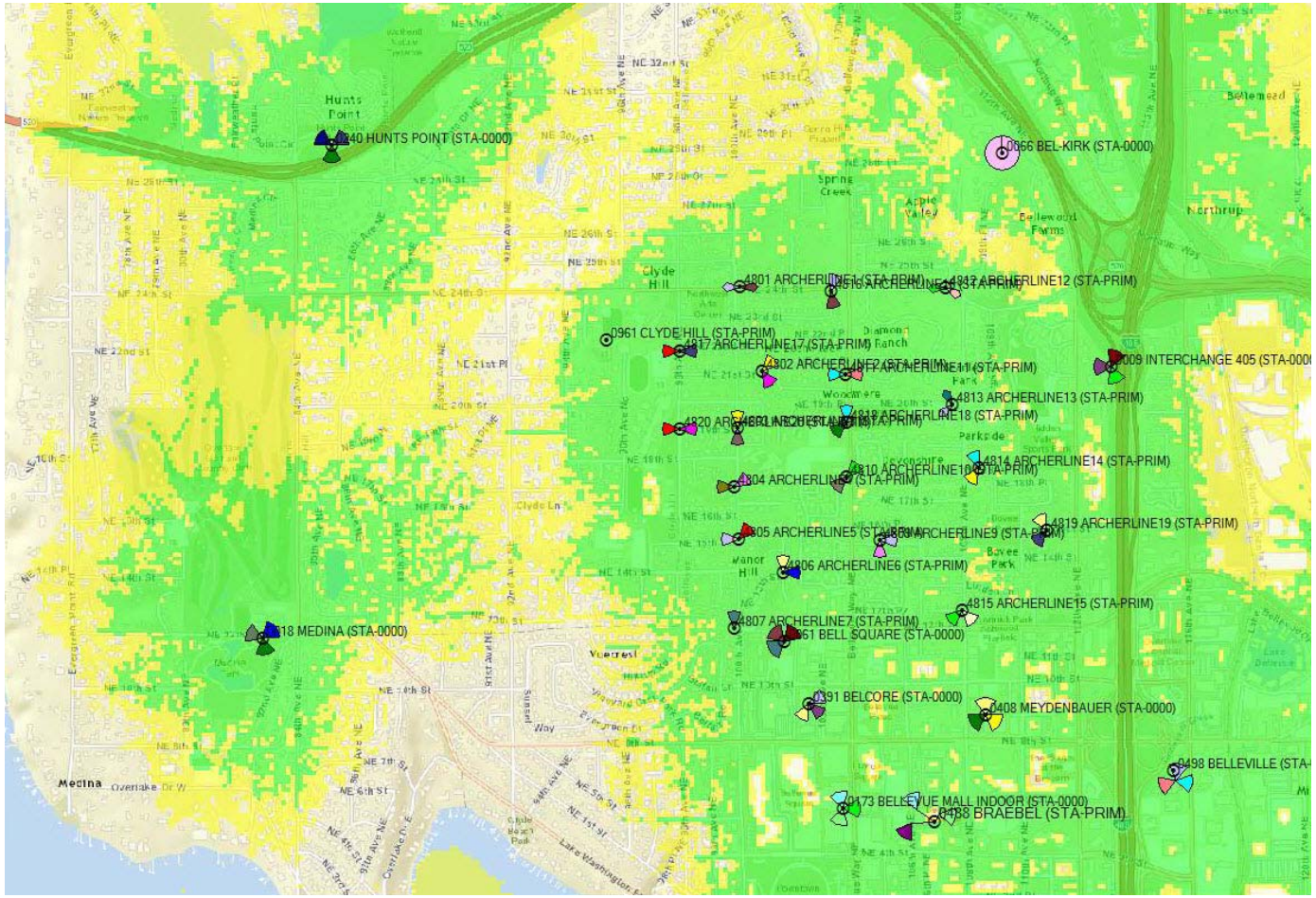


Exhibit 1C: After



verizon
Network Engineering
Verizon Wireless
3245 158th Ave SE
M/S 231
Bellevue, WA 98008

SEA Archerline RF Documentation

Overview:

Verizon Wireless strives to provide excellent wireless service with a network of cell sites that allows our customers to reliably place and receive mobile phone calls and use mobile data. In this particular case, we are trying to remedy capacity and coverage challenges in North Bellevue approximately bounded by NE 24th St to the north, NE 12th St to the south, 96th Ave NE to the west and I-405 to the east.

Proposed construction entails development of 19 small cell sites on Puget Sound Energy (PSE) owned utility poles. Small Cell antennas, antennas 24" or shorter, will be used in this application for all small cell nodes. Ancillary equipment known as Remote Radio Units (RRUs) will be mounted on the utility poles. Low power RRUs will be used for these applications to avoid causing signal interference to the existing network. The low power radios provide a smaller coverage footprint allowing Verizon to add capacity with more node density without overlapping coverage footprints and adding interference to the network.

Deployment Map:

A map showing Verizon Wireless facilities in the City of Bellevue is attached as Exhibit 1A as required by the Bellevue Land Use Code. Please note that this deployment map depicts only outdoor "macro" sites. In-building sites and the proposed small cell system are not included to reduce clutter, and also because in-building sites serve different purposes than macro sites.

Design:

Recognizing jurisdictional need to develop a site that meets the City's design objectives for the North Bellevue area, as well as following installation guidelines put in place with PSE specifically for small cell installations. Each pole will utilize either one or two panel antennas. Each pole will utilize either one cylinder antenna, one panel antenna, or two panel antennas within the 24" size limit.

Coverage:

In order to provide excellent wireless service, which Verizon Wireless defines as –85 dBm or better, the antenna height and site location need to provide a line of sight to the roads, offices, and homes where our customers work and reside. Because small cell nodes antenna heights are typically shorter than standard cell sites it is important to ensure that we place the nodes where there is not blockage by terrain or foliage.

The rolling terrain and obstructions caused by surrounding buildings, tree cover, and other structures in the proposed coverage area are another factor for needing many nodes to adequate levels of coverage in the context of surrounding Verizon Wireless sites.

Propagation Maps:

There are several methods for determining where coverage gaps exist within a given network of wireless sites. One of these is through the use of propagation maps. The propagation map is a computer simulation of the strength of Verizon Wireless signals at a given height and location in the context of the network. Propagation maps are one tool for determining whether a proposed site will meet the coverage objective and what antenna height is needed to provide robust service for Verizon Wireless customers. The radio propagation tool is designed to take factors such as terrain and tree coverage into account, and is calibrated with drive test data so that it depicts a reliable estimate of coverage that would be provided

by a proposed site. The propagation maps that follow show three levels of service, designated as the following colors:

Green >= -80 dBm, a level of service adequate for providing reliable coverage inside a building

Yellow >= -90 dBm, a level of service adequate for providing reliable coverage outdoors or inside a car

White <= -90 dBm, unreliable signal strength, may not be not capable of reliably making and holding a call depending on environment

Exhibit 1B is a propagation map that shows the existing level of coverage in the proposed service area in the context of surrounding Verizon Wireless sites. Exhibit 1C shows the level of service that would be provided with the proposed small cell nodes.

Wireless E- 911

Approximately 400,000 Wireless 911 calls are made every day nationwide, and this number continues to increase. (Source: CTIA, the Wireless Association) Wireless E-911 service depends on reliable signal strength and a fairly dense network of antenna sites in order to function effectively. Because of our federally-mandated obligation to provide wireless E-911 service, signal reliability is paramount. As discussed in the narrative above, and shown in the propagation exhibits submitted with this request, the proposed site will help fill a coverage and capacity gap in the Verizon Wireless network in the Ashwood area of the City of Bellevue. The proposed antenna height and design of the proposed facility are the minimum required for the effective functioning of the proposed wireless site.

Sincerely,

Krystal Taylor
Radio Frequency Engineer
Verizon Wireless

Exhibit 1A: Existing Verizon Wireless "Macro" sites in Bellevue City Limits