



DEVELOPMENT SERVICES DEPARTMENT
 ENVIRONMENTAL COORDINATOR
 450 110th Avenue NE, P.O. BOX 90012
 BELLEVUE, WA 98009-9012

DETERMINATION OF NON-SIGNIFICANCE

PROPONENT: T-Mobile – c/o Telco Pacific - Michael Cady

LOCATION OF PROPOSAL: 5629 119th Avenue SE

DESCRIPTION OF PROPOSAL: Request for Administrative Conditional Use (ACU) approval to upgrade an existing stealth antenna array, located at the top of an existing 60' PSE light pole, located within the center of the parking lot of the subject site. Modifications include replacement of 3 existing antennas with 3 new panel antennas, along with the installation of ancillary equipment behind and below the antennas. Minor changes to the existing equipment within the equipment shed, located adjacent to the on-site commercial building are also proposed. The purpose of these modifications is for network upgrades relating to the transition to LTE-4G.

FILE NUMBERS: 14-136874-LA **PLANNER:** Laurie Tyler, Associate Planner

The Environmental Coordinator of the City of Bellevue has determined that this proposal does not have a probable significant adverse impact upon the environment. An Environmental Impact Statement (EIS) is not required under RCW 43.21C.030(2)(C). This decision was made after the Bellevue Environmental Coordinator reviewed the completed environmental checklist and information filed with the Land Use Division of the Development Services Department. This information is available to the public on request.

- There is no comment period for this DNS. There is a 14-day appeal period. Only persons who submitted written comments before the DNS was issued may appeal the decision. A written appeal must be filed in the City Clerk's office by 5:00 p.m. on _____.
- This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS. There is a 14-day appeal period. Only persons who submitted written comments before the DNS was issued may appeal the decision. A written appeal must be filed in the City Clerk's Office by 5 p.m. on **12/26/2014**
- This DNS is issued under WAC 197-11-340(2) and is subject to a 14-day comment period from the date below. Comments must be submitted by 5 p.m. on _____. This DNS is also subject to appeal. A written appeal must be filed in the City Clerk's Office by 5:00 p.m. on _____.

This DNS may be withdrawn at any time if the proposal is modified so as to have significant adverse environmental impacts; if there is significant new information indicating a proposals probable significant adverse environmental impacts (unless a non-exempt license has been issued if the proposal is a private project); or if the DNS was procured by misrepresentation or lack of material disclosure.

Carle V. Helland 12/2/14
 Environmental Coordinator Date

OTHERS TO RECEIVE THIS DOCUMENT:

- State Department of Fish and Wildlife / Stewart.Reinbold@dfw.gov; Christa.Heller@dfw.wa.gov;
- State Department of Ecology, Shoreline Planner N.W. Region / Jobu461@ecy.wa.gov; sepaunit@ecy.wa.gov
- Army Corps of Engineers Susan.M.Powell@nws02.usace.army.mil
- Attorney General ecyolyef@atg.wa.gov
- Muckleshoot Indian Tribe Karen.Walter@muckleshoot.nsn.us; Fisheries.fileroom@muckleshoot.nsn.us

ENVIRONMENTAL CHECKLIST

10/9/2009

Thank you in advance for your cooperation and adherence to these procedures. If you need assistance in completing the checklist or have any questions regarding the environmental review process, please visit or call Development Services (425-452-6800) between 8 a.m. and 4 p.m., Monday through Friday (Wednesday, 10 to 4). Assistance for the hearing impaired: Dial 711 (Telecommunications Relay Service).

INTRODUCTION**Purpose of the Checklist:**

The State Environmental Policy Act (SEPA), Chapter 43.21c RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the City of Bellevue identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the City decide whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Answer the questions briefly, with the most precise information known, or give the best description you can. You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer or if a question does not apply to your proposal, write "do not know" or "does not apply." Giving complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the Planner in the Permit Center can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. Include reference to any reports on studies that you are aware of which are relevant to the answers you provide. The City may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impacts.

Use of a Checklist for Nonproject Proposals: *A nonproject proposal includes plans, policies, and programs where actions are different or broader than a single site-specific proposal.*

For nonproject proposals, complete the Environmental Checklist even though you may answer "does not apply" to most questions. In addition, complete the Supplemental Sheet for Nonproject Actions available from Permit Processing.

For nonproject actions, the references in the checklist to the words *project*, *applicant*, and *property* or *site* should be read as *proposal*, *proposer*, and *affected geographic area*, respectively.

Attach an 8 ½" x 11 vicinity map which accurately locates the proposed site.

James J. Gyle

BACKGROUND INFORMATION

Property Owner: John Walker 33 LLC

Proponent: T-Mobile

Contact Person: Michael Cady

(If different from the owner. All questions and correspondence will be directed to the individual listed.)

Address: 14636 NE 95th Street, Redmond, WA 98074

Phone: (425) 785-0444

Proposal Title: SE01908D Dry Cleaners

Proposal Location: 5629 119th Ave SE, Bellevue, WA 98006 Parcel # 212405-9045
(Street address and nearest cross street or intersection) Provide a legal description if available.

Please attach an 8 1/2" x 11" vicinity map that accurately locates the proposal site.

Give an accurate, brief description of the proposal's scope and nature:

1. General description: : T-MOBILE PROPOSES TO REPLACE EXISTING (3) ANTENNAS W/ (3) NEW
TMZXXX-6516-A3M ANTENNAS. ADD (2) FXFB, (1) FRIE, (3) FRIG, (2) COVP (1 AT
2. Acreage of site: .007805 ac.
3. Number of dwelling units/buildings to be demolished: 0
4. Number of dwelling units/buildings to be constructed: 0
5. Square footage of buildings to be demolished: 0
6. Square footage of buildings to be constructed: 0
7. Quantity of earth movement (in cubic yards): 0
8. Proposed land use: Light pole and wireless facility
9. Design features, including building height, number of stories and proposed exterior materials:
60' pole, steel construction
10. Other

Estimated date of completion of the proposal or timing of phasing:

January ~~2015~~ or upon approval
2015

Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

No

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List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

Non-Ionizing Electromagnetic Exposure Analysis

Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. List dates applied for and file numbers, if known.

No

List any government approvals or permits that will be needed for your proposal, if known. If permits have been applied for, list application date and file numbers, if known.

Land Use Approval, Building Permit

Please provide one or more of the following exhibits, if applicable to your proposal.
(Please check appropriate box(es) for exhibits submitted with your proposal):

- Land Use Reclassification (rezone) Map of existing and proposed zoning
- Preliminary Plat or Planned Unit Development
Preliminary plat map
- Clearing & Grading Permit
Plan of existing and proposed grading
Development plans
- Building Permit (or Design Review) **Will be submitted after LA permit approval.**
Site plan
Clearing & grading plan
- Shoreline Management Permit
Site plan

A. ENVIRONMENTAL ELEMENTS

1. Earth

- a. General description of the site: Flat Rolling Hilly Steep slopes Mountains Other
- b. What is the steepest slope on the site (approximate percent slope)? Less than 5%
- c. What general types of soil are found on the site (for example, clay, sand, gravel, peat, and muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Urban Land - The entire parcel is paved
- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No

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- e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

None

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

No

- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

No change to impervious surfaces.

100% The entire parcel is paved.

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

None

2. AIR

- a. What types of emissions to the air would result from the proposal (i.e. dust, automobile odors, and industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

None

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No

- c. Proposed measures to reduce or control emissions or other impacts to the air, if any:

None

3. WATER

- a. Surface

- (1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

No

- (2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If Yes, please describe and attach available plans.

No

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- (3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None

- (4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No

- (5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

No

- (6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No

b. Ground

- (1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description.

No

- (2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals...; agricultural; etc.) Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None

c. Water Runoff (Including storm water)

- (1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

None

- (2) Could waste materials enter ground or surface waters? If so, generally describe.

No

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d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

None

4. Plants

a. Check or circle types of vegetation found on the site:

- deciduous tree: alder, maple, aspen, other
- evergreen tree: fir, cedar, pine, other
- shrubs
- grass
- pasture
- crop or grain
- wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other
- water plants: water lily, eelgrass, milfoil, other
- other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

None

c. List threatened or endangered species known to be on or near the site.

None

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

None

5. ANIMALS

a. Check or circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

- Birds: hawk, heron, eagle, songbirds, other:
- Mammals: deer, bear, elk, beaver, other:
- Fish: bass, salmon, trout, herring, shellfish, other:

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b. List any threatened or endangered species known to be on or near the site.

None

c. Is the site part of a migration route? If so, explain.

No

d. Proposed measures to preserve or enhance wildlife, if any:

None

6. Energy and Natural Resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy need? Describe whether it will be used for heating, manufacturing, etc.

Electricity

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No

c. What kinds of energy conservation features are included in the plans of the proposal? List other proposed measures to reduce or control energy impacts, if any:

None

7. Environmental Health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

No, only the addition of radio and support equipment is proposed.

(1) Describe special emergency services that might be required.

A workplace accident may require emergency response

(2) Proposed measures to reduce or control environmental health hazards, if any.

None

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b. Noise

(1) What types of noise exist in the area which may affect your project (for example, traffic, equipment, operation, other)?

None

(2) What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (for example, traffic, construction, operation, other)? Indicate what hours noise would come from the site.

No significant noise will be generated by the site construction or operation.

(3) Proposed measures to reduce or control noise impacts, if any:

None

Construction noise impacts mitigated by noise standards found in BCC 9.18

8. Land and Shoreline Use

a. What is the current use of the site and adjacent properties?

Commercial on the property and to the North, South and East and Residential to the West

b. Has the site been used for agriculture? If so, describe.

No

c. Describe any structures on the site.

A Dry Cleaning building and a light pole.

d. Will any structures be demolished? If so, what?

No

e. What is the current zoning classification of the site?

NB - Neighborhood Business

f. What is the current comprehensive plan designation of the site?

Neighborhood Business

g. If applicable, what is the current shoreline master program designation of the site?

N/A

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

No

i. Approximately how many people would reside or work in the completed project?

None. This is an unmanned facility.

j. Approximately how many people would the completed project displace?

None

k. Proposed measures to avoid or reduce displacement impacts, if any:

None

i. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

We are seeking a building permit to insure compatibility with all lands uses and plans.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

None

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None

c. Proposed measures to reduce or control housing impacts, if any:

None

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

The existing pole is 60' tall. No additional height will be added as a result of this project.

b. What views in the immediate vicinity would be altered or obstructed?

None

c. Proposed measures to reduce or control aesthetic impacts, if any:

None. This is a light pole with a wireless facility installed at the top of the pole.

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11. Light and Glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

None

- b. Could light or glare from the finished project be a safety hazard or interfere with views?

No

- c. What existing off-site sources of light or glare may affect your proposal?

None

- d. Proposed measures to reduce or control light or glare impacts, if any:

None

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?

None

- b. Would the proposed project displace any existing recreational uses? If so, describe.

No

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

None

13. Historic and Cultural Preservation

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

No

- b. Generally describe any landmarks or evidence of historic, archeological, scientific, or cultural importance known to be on or next to the site.

None

- c. Proposed measures to reduce or control impacts, if any:

None

14. Transportation

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

Access to the site is from 119th Avenue SE

- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

N/A

Yes, the site is currently served by public transit.

There is a bus stop on the south east corner of the site, and across 119th Ave SE.

- c. How many parking spaces would be completed project have? How many would the project eliminate?

None

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

No

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

One vehicle (light truck) will visit the facility once a month for maintenance

g. Proposed measures to reduce or control transportation impacts, if any:

None

15. Public Services

a. Would the project result in an increased need for the public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

No

b. Proposed measures to reduce or control direct impacts on public services, if any:

None

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

Electricity

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

Electric service is already in place. No change in the service is required.

Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature..........Date Submitted.....10/24/2014.....



**City of Bellevue
Development Services Department
Land Use Staff Report**

Proposal Name: T-Mobile - SE0 1908D – Dry Cleaners

Proposal Address: 5629 119th Avenue SE

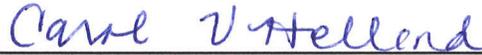
Proposal Description: Request for Administrative Conditional Use (ACU) approval to modify an existing Wireless Communication Facility (WCF). Modifications include upgrading an existing antenna array through the replacement of three existing antennas, and installation of new ancillary equipment. Minor modifications to the existing equipment within the existing equipment enclosure are also proposed. There will be no increase in height to the existing utility pole. The purpose of these modifications is for network upgrades related to the transition to LTE-4G.

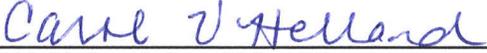
File Number: **14-136874-LA**

Applicant: T-Mobile, c/o Telco Pacific
Michael Cady

Decisions Included: Process II, Combined Administrative Conditional Use Decision and SEPA Determination

Planner: Laurie Tyler, Associate Land Use Planner

State Environmental Policy Act
Threshold Determination: **Determination of Non-Significance (DNS)**

Carol V. Helland
Environmental Coordinator

Director's Recommendation: **Approval with Conditions**
Michael A. Brennan, Director
Development Services Department
By: 
Carol V. Helland, Land Use Director

Notice of Application: October 30, 2014
14-day Comment Period: November 13, 2014
Decision Publication Date: December 11, 2014
Appeal Deadline: December 26, 2014

For information on how to appeal the project, visit the Permit Center at City Hall or call (425) 452-6864. Appeal of the decision must be received in the City Clerk's office by 5 p.m. on the date noted for the appeal deadline.

II. Site Description and Context

The subject property is located at the intersection of 119th Avenue SE and SE 58th Street. The site is approximately 75,000 square feet in size and is currently improved with a vacant commercial building. The topography of the site is relatively flat. The existing equipment enclosure is located adjacent to the north side of the building, and next to the entrance of what was previously a dry cleaning business. The PSE utility pole is located within the center of the parking lot.

The site lies within the Neighborhood Business (NB) land use district, and is also located within the Single-Family Transition Zone. The site is surrounded by existing single-family dwellings to the west, existing commercial buildings to the east (Newport Hills Shopping Center), a medical office to the north, and a church to the south.

Figure 2 – Aerial



Figure 3 – Zoning Map

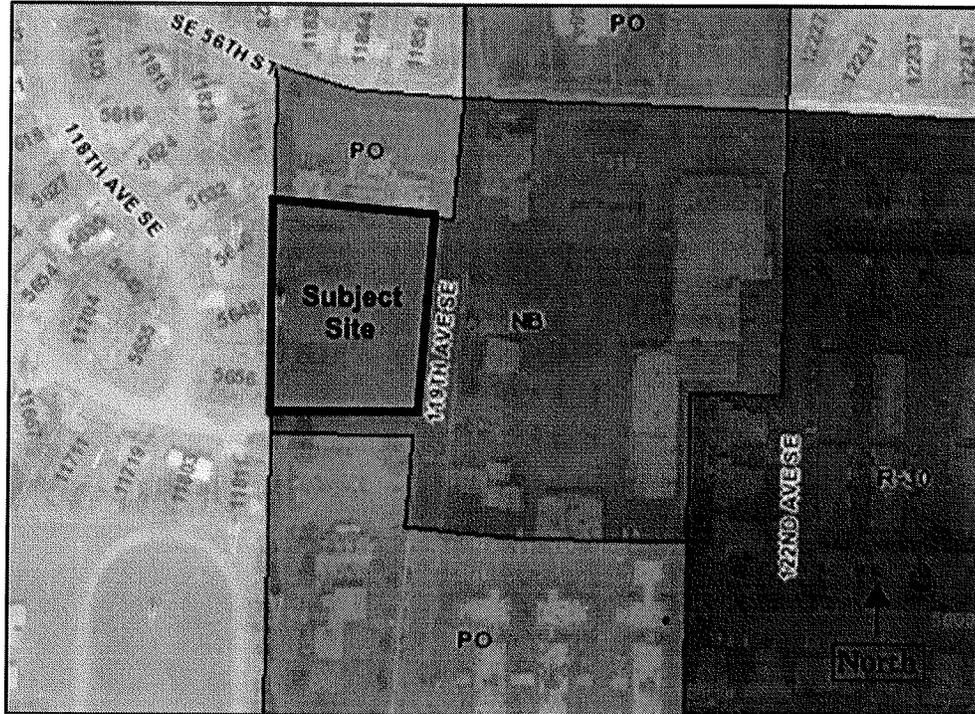


Figure 4 – Site Photograph – Existing Conditions

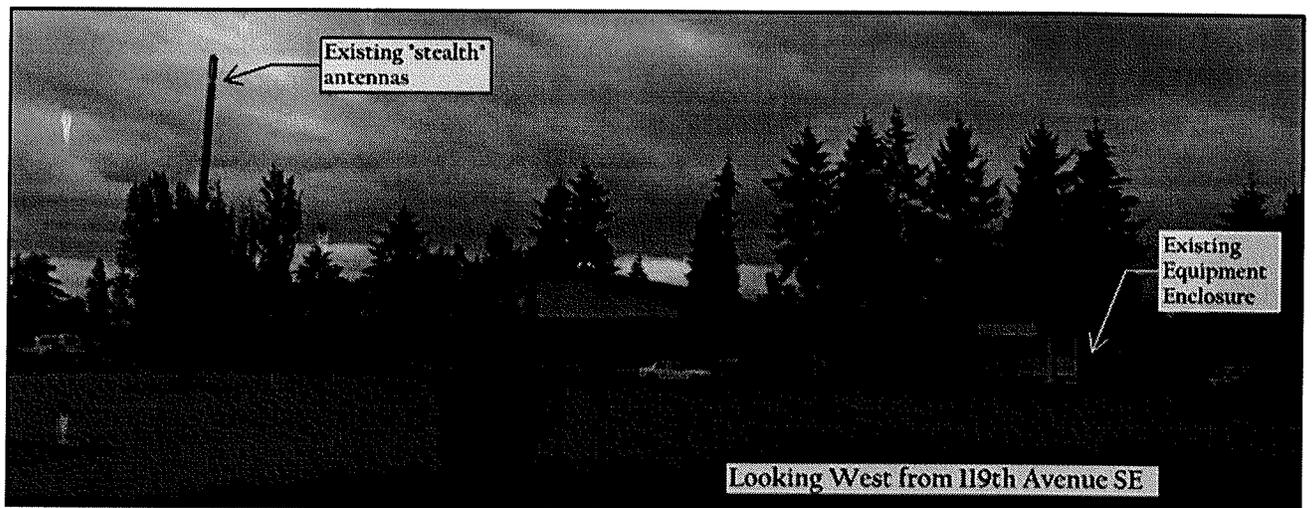
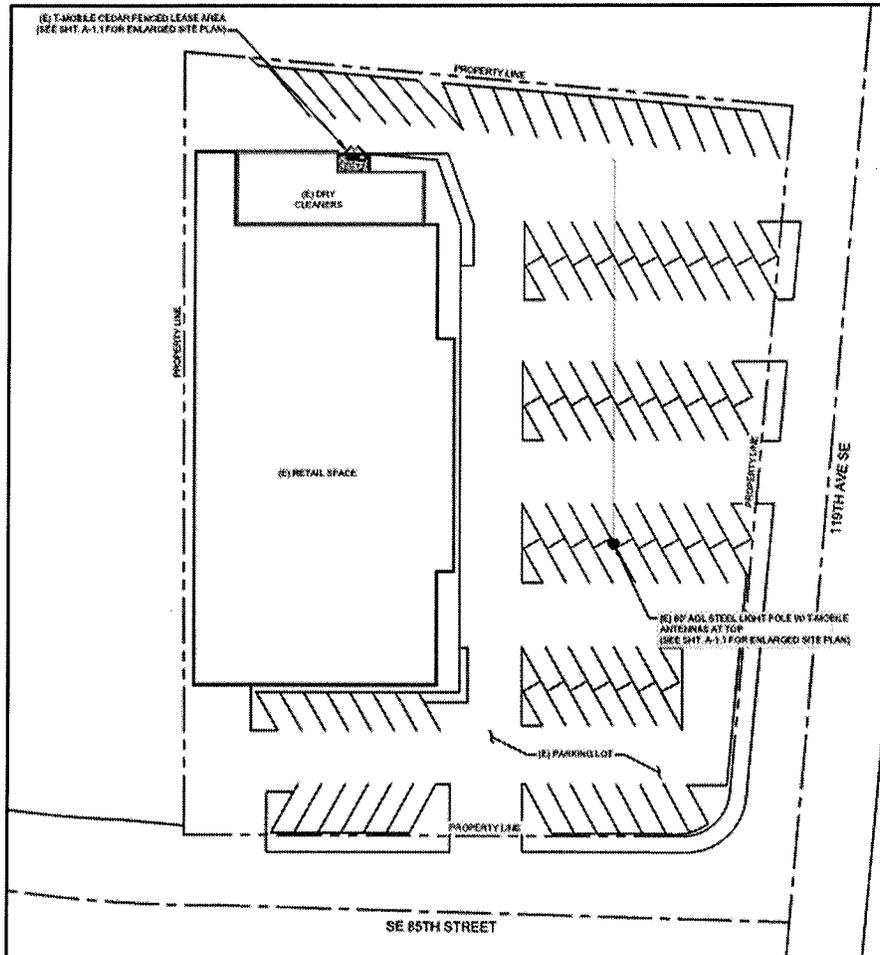


Figure 5 – Site Plan



III. Environmental Impacts of the Proposal

The environmental review (refer to project file, City Hall Records Office) indicates no probability of significant adverse environmental impacts occurring as a result of the proposal. The Environmental Checklist submitted with the application adequately discloses expected environmental impacts associated with the project. The City codes and requirements, including the Clear and Grade Code, Utility Code, Land Use Code, Noise Ordinance, Building Code and other construction codes adequately mitigate expected environmental impacts. Therefore, issuance of a Determination of Non-Significance is the appropriate threshold determination under the State Environmental Policy Act requirements.

IV. Public Comment and Response

The City initially notified the public of this proposal on October 30, 2014 with mailed notice and publication in the Weekly Permit Bulletin. One, double-sided public information sign was installed at the site on the same day. As of the date of this staff report, no comments have been received.

IV. Applicable Decision Criteria / Findings and Conclusions

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

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

As conditioned, the proposal is consistent with the City of Bellevue's Comprehensive Plan regarding wireless communications facilities. The Comprehensive Plan Utilities Policies listed below are especially relevant to the City's decision on this application:

Policy UT-40: Requires the reasonable screening and/or architecturally compatible integration of all new above-ground facilities.

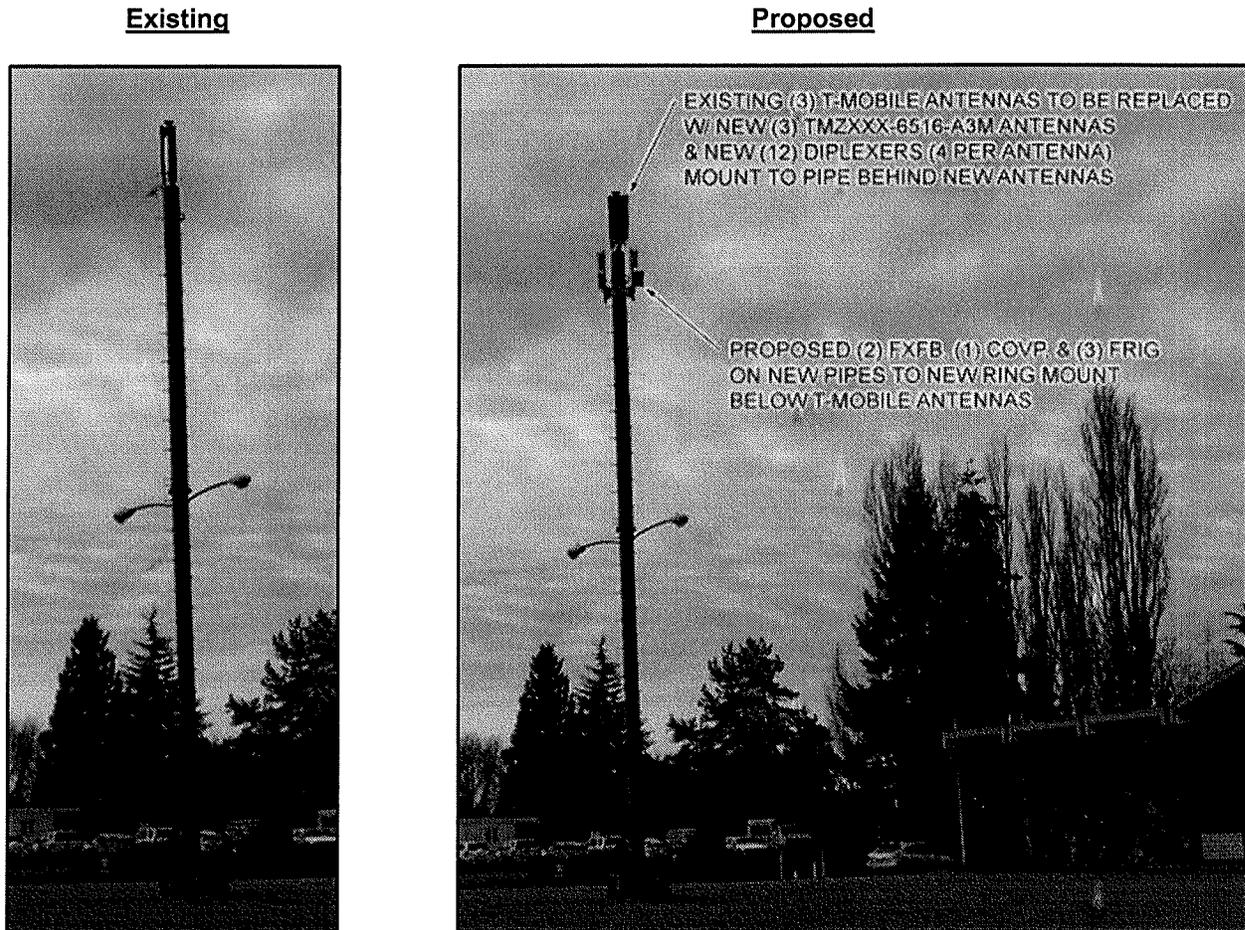
Policy UT-41: Protect Bellevue's aesthetic quality and infrastructure investment from unnecessary degradation caused by the construction of telecommunication infrastructure.

Policy UT-53: Requires all utility equipment support facilities to be aesthetically compatible with the area in which they are placed by using landscape screening and/or architecturally compatible details and integration.

Policy UT-55: Requires the placement of personal wireless communication facilities in a manner that minimizes the adverse impacts on adjacent land uses.

Finding: The replacement antennas will be located in the same position as the existing antennas, but will tilt outward, approximately 6 inches from the support structure. Although the antennas will no longer be flush mounted, their overall appearance will not be drastically different than the stealth antennas which currently exist. The most noticeable change to the wireless facility will be the addition of the ancillary equipment below the antennas, which does not currently exist. In an effort to help conceal the wireless facility, the applicant intends to paint both the antennas and ancillary equipment to match the existing support structure. By painting all of the components, the overall wireless facility will be less visually prominent than it would if it was not painted to match. No modifications to the height of the utility pole or to the existing equipment enclosure are proposed. **Refer to Condition of Approval in Section VI regarding Paint to Match.**

Figure 6 – Photo Simulations (before and after)

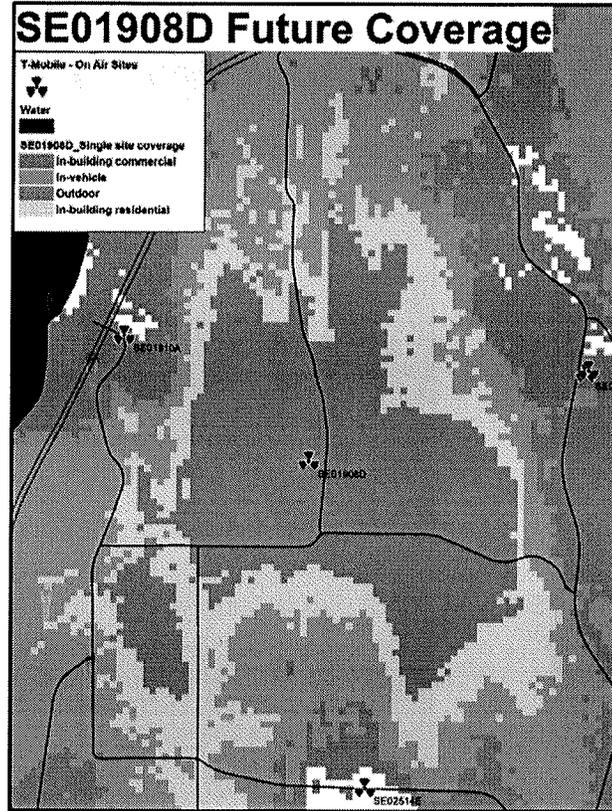


Policy UT-60: *Minimize visual impact of personal wireless communication facilities by encouraging deployment in land use districts in the following preferred and descending order when possible, considering the provider's coverage needs: 1) Non-residential land use districts, except Transition Areas; 2) Transition Areas; 3) Multifamily (R-20 and R-30) districts; and 4) and Park site and Residential districts.*

Finding: The existing PSE light pole and wireless facility was previously approved under permit #99-005845-LA, and is located within the Neighborhood Business (NB) land use district. Currently, the existing facility provides for Global System for Mobile communications (GSM) and Universal Mobile Telecommunications System (UMTS) technology, which is not proposed to change. With the proposed upgrade in antennas and addition of ancillary equipment, the proposal would incorporate the new Long Term Evolution (LTE) coverage which does not currently exist at the subject site. LTE is a wireless broadband technology designed to support roaming Internet access via cell phones and handheld devices. Once the upgraded antennas are installed, a majority of the residential properties, as shown in Figure 7 below, would benefit

from this upgraded technology. It should be noted that the coverage area does not change, but instead is enhanced due to the new technology.

Figure 7 – Coverage Map



Policy UT-61: *Minimize visual impact of personal 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 proposed upgraded antennas and ancillary equipment will be collocated on an existing 60' PSE light pole. Collocation on an existing utility pole is preferable to construction of an entirely new WCF in a separate location.

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: With the exception of the new ancillary equipment located below the antennas, the overall appearance of the wireless facility will not appear significantly different than what currently exists. As there are no modifications proposed to the height of the existing PSE light pole, or to the size of the existing equipment enclosure, and the proposed ancillary equipment will be painted to

match the existing pole to which it will be attached, the design of the wireless facility will remain compatible with the existing character, appearance, and physical characteristics of the subject property and immediate vicinity.

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

Finding: The proposed WCF is located on a site that is already served by adequate public facilities, including streets, fire protection and utilities.

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

Finding: The proposed replacement antennas and ancillary equipment will not substantially modify the impact of the existing WCF. A condition of approval will require the replacement antennas and ancillary equipment to be painted to match the existing utility pole. Therefore, this Administrative Conditional Use will not be detrimental to uses or property in the immediate vicinity of the subject property, as no substantial visible change would result from this application.

In addition, 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 Conditions of Approval in Section VI regarding Paint to Match, Mounting and Removal of Abandoned Sites.**

E. The administrative conditional use complies with the applicable requirements of this Code.

Finding: As conditioned, the proposed WCF 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.

V. Decision

After conducting the various administrative reviews associated with this proposal, including applicable land use consistency, SEPA, and City Code and Standard compliance reviews, 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

Clearing & Grading Code – BCC 23.76
Construction Codes – BCC Title 23
Fire Code – BCC 23.11
Land Use Code – BCC Title 20
Noise Control – BCC 9.18
Sign Code – BCC Title 22
Right-of-Way Use Code 14.30
Utility Code – BCC Title 24

Contact Person

Tom McFarlane, (425) 452-5207
Building Division, (425) 452-6864
Adrian Jones, (425) 452-6032
Laurie Tyler, (425) 452-2728
Laurie Tyler, (425) 452-2728
Laurie Tyler, (425) 452-2728
Tim Stever, (425) 452-4294
Chris Brookes, (425) 452-6825

1. Noise & Construction Hours

The proposal will be subject to normal construction hours of 7 a.m. to 6 p.m., Monday through Friday and 9:00 a.m. to 6:00 p.m. on Saturdays, except for Federal Holidays and as further defined by the Bellevue City Code. Proximity to existing residential uses will be given special consideration. Upon written request to the Development Services Department (DSD), work hours may be extended to 10:00 p.m. if the criteria for extension of work hours as stated in BCC 9.18 can be met and the appropriate mitigation employed. The use of best available noise abatement technology consistent with feasibility is required during construction to mitigate construction noise impacts to surrounding uses.

REVIEWER: Laurie Tyler, Development Services Department
AUTHORITY: Bellevue City Code 9.18.020.C & 9.18.040

2. Disturbance

The applicant shall fully restore, to the satisfaction of the City of Bellevue, any areas disturbed and or damaged during construction or future maintenance of the proposed facility.

REVIEWER: Laurie Tyler, Development Services Department
AUTHORITY: Land Use Code 20.20.195D.4.c

3. 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. The entire facility 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: Laurie Tyler, Development Services Department
AUTHORITY: Land Use Code 20.20.195.D.8

4. Paint to Match

The antennas and all ancillary components shall be painted to match the existing utility pole support structure.

REVIEWER: Laurie Tyler, Development Services Department
AUTHORITY: Land Use Code 20.20.195.D.4.a

5. Mounting

The lateral projection of the antennas shall be minimized to the greatest extent technically feasible.

REVIEWER: Laurie Tyler, Development Services Department
AUTHORITY: Land Use Code 20.20.195.D.4.b

6. Cabling

All cable connections to each antenna shall be mounted to the ringmount and pulled tight. The cabling shall also be painted to minimize visual impacts from the right-of-way and surrounding properties.

REVIEWER: Laurie Tyler, Development Services Department
AUTHORITY: Land Use Code 20.20.195.D.4.b

7. Fire

Demolition and construction shall conform to the requirements of International Fire Code, Chapter 33.

REVIEWER: Adrian Jones, Fire
AUTHORITY: IFC, Chapter 33

Exhibits:
A. Project Plans
B. SEPA Checklist

T-Mobile

DRY CLEANERS/BGN

5629 119TH AVE SE
BELLEVUE, WA 98006

SITE NUMBER: SE01908D

LATITUDE 47.55234 LONGITUDE -122.179885
CROWN SITE #823781



PROJECT INFORMATION:

**DRY CLEANERS/BGN
SE01908D**

5629 119TH AVE SE
BELLEVUE, WA 98006

ISSUED FOR:

BUILDING PERMIT

REVISION HISTORY:

NO.	DATE:	DESCRIPTION:	CHK. BY:	APPV. BY:
4	11/6/2014	MINOR REV	BJT	AI
3	4/17/2014	REV PER REDLINES	BJT	AI
2	3/27/2014	REV. PER REDLINES	BJT	AI
1	2/21/2014	ISSUED DESIGN REVIEW	BJT	AI

PLANS PREPARED BY:

B. J. THOMAS, P.E.
7607 80TH AVE NE
MARYSVILLE, WA 98270
206-851-1106

DRAWN BY: CHK. BY: APPV. BY:

JL BJ AI

LICENSURE:



EQUIPMENT:

NEW ANTENNAS & NEW RADIO EQUIPMENT.

DRAWING INFORMATION:

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS AND OMISSIONS. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN WHICH IS RELATED TO NAMED CLIENT IS STRICTLY PROHIBITED.

DRAWING TITLE:

TITLE SHEET

DRAWING NUMBER:

T-1

GENERAL LOCATION MAP	DRIVING DIRECTIONS	PROJECT TEAM	PROJECT DESCRIPTION	DRAWING INDEX
	<p>FROM T-MOBILE BOTHELL 4 OFFICE:</p> <ol style="list-style-type: none"> 1. HEAD SOUTH ON 120TH AVE NE 0.4 MI 2. TURN RIGHT ONTO NE 195TH ST 0.5 MI 3. TURN LEFT ONTO THE INTERSTATE 405 S RAMP TO RENTON 0.3 MI 4. MERGE ONTO I-405 S 13.7 MI 5. TAKE EXIT 10 FOR COAL CREEK PKWY TOWARD FACTORIA BLVD SE 0.3 MI 6. TURN LEFT ONTO COAL CREEK PKWY SE 0.1 MI 7. TURN RIGHT ONTO 119TH AVE SE 	<p>CONTACT TITLE CONTACT INFORMATION</p> <p>PROPERTY OWNER: JOHN WALKER 33 LLC 900 N 27TH PL RENTON, WA 98056</p> <p>PROGRAM MANAGER: TELCOPACIFIC AARON IMPER 14636 NE 95TH STREET REDMOND WASHINGTON 98052 PHONE # (425) 622-7874</p>	<p>T-MOBILE PROPOSES TO REPLACE EXISTING (3) ANTENNAS W/ (3) NEW TM2XXX-6516-A3M ANTENNAS. ADD (2) FXFB, (1) FRIG, (3) FRIG, (2) COVP (1 AT TOP & 1 AT BOTTOM), (12) ANDREW DIPLEXERS, (1) LMU BUNDLE CABLE & (1) HYBRID CABLE.</p> <p>REMOVE EXISTING (6) TMA'S & (6) COAX CABLES.</p>	<p>DWG: DRAWING DESCRIPTION:</p> <p>T-1 TITLE SHEET & PROJECT DATA</p> <p>G-1 GENERAL NOTES</p> <p>A-1 PARCEL PLAN</p> <p>A-1-1 ENLARGED SITE PLAN</p> <p>A-2 EXISTING SITE ELEVATION</p> <p>A-2-1 PROPOSED SITE ELEVATION</p> <p>A-3 GENERAL DETAILS</p> <p>A-4 GENERAL DETAILS</p> <p>E-1 ELECTRICAL GROUNDING PLAN</p> <p>E-2 ELECTRICAL GROUNDING DETAILS</p> <p>RF-1 RF DETAILS</p> <p>RF-2 RF DETAILS</p>
	<p>ZONING INFORMATION</p> <p>SITE NUMBER: SE01908D</p> <p>SITE NAME: DRY CLEANERS/BGN</p> <p>SITE ADDRESS: 5629 119TH AVE SE BELLEVUE, WA 98006</p> <p>PARCEL #: 2124059045</p> <p>CURRENT ZONING: NB</p> <p>JURISDICTION: CITY OF BELLEVUE</p> <p>GOVERNING CODE: 2012 IBC</p> <p>BUILDING TYPE: --</p> <p>SITE TYPE: UNSTAFFED TELECOMM FACILITY</p>	<p>SENIOR CONSTRUCTION MANAGER: TELCOPACIFIC ADAM GLENN 19807 NORTH CREEK PKWY N BOTHELL, WA 98011 509-741-0568</p> <p>CONSTRUCTION COORDINATOR: TELCOPACIFIC PETER WALLIS 14636 NE 95TH STREET REDMOND WASHINGTON 98052 PHONE # (509) 675-0967</p> <p>CONSULTING ENGINEER: B. J. THOMAS, P.E. 7607 80TH AVE NE MARYSVILLE, WA 98270 MOBILE #: 206-851-1106</p>	<p>PROJECT INFORMATION</p> <p>THIS IS UNSTAFFED AND RESTRICTED EQUIPMENT AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.</p> <p>T-MOBILE CERTIFIES THAT THIS TELEPHONE EQUIPMENT FACILITY WILL BE SERVICED ONLY BY T-MOBILE EMPLOYEES AND THE WORK ASSOCIATED WITH ANY EQUIPMENT CANNOT BE PERFORMED BY HANDICAPPED PERSONS. THIS FACILITY WILL BE FREQUENTED ONLY BY SERVICE PERSONNEL FOR REPAIR PURPOSES. PURSUANT TO THE AMERICANS WITH DISABILITIES ACT (ADA), APPENDIX B SECTION 4.11. (5)(b), THIS FACILITY IS EXEMPT FROM THAT ACT.</p> <p>NO POTABLE WATER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.</p> <p>NO WASTE WATER OR SOLID WASTE WILL BE GENERATED AT THIS LOCATION.</p> <p>T-MOBILE MAINTENANCE CREW (ONE PERSON) WILL MAKE AN AVERAGE OF ONE TRIP PER MONTH AT ONE HOUR PER TRIP.</p>	<p>APPROVAL/SIGN OFF OF CONSTRUCTION DRAWINGS</p> <p>REVIEWERS SHALL CLEARLY PLACE INITIALS ADJACENT TO EACH REDLINE NOTE AS DRAWINGS ARE BEING REVIEWED.</p> <p>CONSULTANT GROUP SIGN OFF</p> <p>LANDLORD'S REPRESENTATIVE: DATE:</p> <p>CONSTRUCTION MANAGER: DATE:</p> <p>CONSTRUCTION PROJECT MANAGER: DATE:</p> <p>PROJECT MANAGER: DATE:</p> <p>SITE ACQUISITION: DATE:</p> <p>ZONING: DATE:</p> <p>RF ENGINEER: DATE:</p>
	<p>UTILITY PURVEYOR</p> <p>POWER COMPANY: PUGET SOUND ENERGY</p> <p>TELCO COMPANY: CENTURYLINK</p>	<p>SITE ACQUISITION: TELCOPACIFIC RENATA FAYTEN 14636 NE 95TH STREET REDMOND WASHINGTON 98052 PHONE # (425) 269-5561</p> <p>ZONING: TELCOPACIFIC RENATA FAYTEN 14636 NE 95TH STREET REDMOND WASHINGTON 98052 PHONE # (425) 269-5561</p> <p>RF ENGINEER: T-MOBILE DARRYL SALK 19807 NORTH CREEK PKWY N BOTHELL, WA 98011 MOBILE# 425-770-0006</p>	<p>CODE COMPLIANCE</p> <p>ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING ON THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES:</p> <p>2012 INTERNATIONAL BUILDING CODE 2012 INTERNATIONAL MECHANICAL CODE 2012 INTERNATIONAL FUEL GAS CODE 2012 NFPA 54 - NATIONAL FUEL GAS CODE (PROPANE INSTALLATIONS ONLY) 2011 NFPA 58 - LIQUEFIED PETROLEUM GAS CODE (PROPANE INSTALLATIONS ONLY) 2012 INTERNATIONAL FIRE CODE 2012 INTERNATIONAL FIRE CODE 2012 UNIFORM PLUMBING CODE 2011 NATIONAL ELECTRICAL CODE 2007 NATIONAL ELECTRIC SAFETY CODE LOCAL BUILDING CODE ORDINANCES ANSI / TIA / EIA - 222 - G NFPA-101 - LIFE SAFETY CODE</p>	<p>CALL TWO WORKING DAYS BEFORE YOU DIG</p> <p>811</p> <p>NATIONAL UTILITIES UNDERGROUND LOCATE</p> <p>ELECTRIC - RED SEWER - GREEN GAS/OIL - YELLOW SURVEY - PINK TELCATV - ORANGE</p> <p>PROPOSED - WHITE WATER - BLUE</p>
	<p>LEGAL DESCRIPTION</p> <p>ABBREVIATED PER ASSESSOR RECORDS:</p> <p>POR OF NE 1/4 OF SW 1/4 BEG AT NE COR SD SUBD TH N 86-54-46 W ALG NLY LIMITS SD SEC 1305.19 FT TO NW COR SD SUBD TH S 01-47-23 W 164.26 FT TO TPOB TH S 83-36-19 E 251.44 FT TO WLY MGN 119TH AVE SE TH S 06-23-41 W 286.08 FT TO PT OF CURVE TH ALG CURVE TO RGT RAD 20 FT ARC DIST OF 29.81 FT TO PT ON NLY LIMITS OF SE 58TH ST TH N 88-12-37 W 207.72 FT TH N 01-47-23 E 323.74 FT TO TPOB</p>			

GENERAL NOTES:

- DRAWINGS ARE NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE, THIS SET OF DOCUMENTS 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 ANY REQUIREMENTS DEEMED NECESSARY TO COMPLETE INSTALLATION AS DESCRIBED IN THE DRAWINGS AND OWNER'S PROJECT MANUAL.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS AND STANDARDIZED DETAILS THAT REQUIRE MODIFICATIONS DUE TO ACTUAL FIELD CONDITIONS AND REQUIREMENTS MUST BE SUBMITTED TO AND APPROVED BY T-MOBILE WIRELESS REPRESENTATIVE PRIOR TO START OF WORK.
- PRIOR TO THE SUBMISSION OF BIDS, CONTRACTORS INVOLVED SHALL VISIT THE JOB SITE TO FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED PROJECT. CONTRACTORS SHALL VISIT THE CONSTRUCTION SITE WITH THE CONSTRUCTION/CONTRACT DOCUMENTS TO VERIFY FIELD CONDITIONS AND CONFIRM THAT THE PROJECT WILL BE ACCOMPLISHED AS SHOWN. PRIOR TO PROCEEDING WITH CONSTRUCTION, ANY ERRORS, OMISSIONS, OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER VERBALLY AND 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 IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, SAFETY, AND PROCEDURES 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 THE 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.
- GENERAL CONTRACTOR SHALL PROVIDE, AT THE PROJECT SITE, A FULL SET OF CONSTRUCTION DOCUMENTS UPDATED WITH THE LATEST REVISIONS INVOLVED WITH THE PROJECT. THIS SET IS A VALID CONTRACT DOCUMENT ONLY IF THE TITLE SHEET IS STAMPED IN RED INK "FOR CONSTRUCTION" AND EACH SUCCESSIVE SHEET BEARS THE ARCHITECTS/ENGINEER'S SIGNED WET STAMP.
- THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, ETC. ACCORDING TO APPLICABLE CODES, STANDARDS, AND GOOD CONSTRUCTION PRACTICES.
- THE CONTRACTOR SHALL MEET ALL OSHA REQUIREMENTS FOR ALL INSTALLATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE EXISTING CONSTRUCTION AND REPAIR ALL DAMAGES TO BETTER THAN NEW CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE CONSULTANT OF ANY DAMAGE TO THE BUILDING SITE OR ANY ADJACENT STRUCTURES AROUND THE PROJECT. THE T-MOBILE REPRESENTATIVE SHALL BE SOLE AND FINAL JUDGE AS TO THE QUALITY OF THE REPAIRED CONSTRUCTION. ANY ADDITIONAL MODIFICATIONS WHICH MUST BE MADE SHALL BE MADE AT THE CONTRACTOR'S EXPENSE.
- WHERE NEW PAVING, CONCRETE SIDEWALKS OR PATHS MEET EXISTING CONSTRUCTION, THE CONTRACTOR SHALL MATCH THE EXISTING PITCH, GRADE, AND ELEVATION SO THE ENTIRE STRUCTURE SHALL HAVE A SMOOTH TRANSITION.
- THE CONTRACTOR SHALL MODIFY THE EXISTING FLOORS, WALL, CEILING, OR OTHER CONSTRUCTION AS REQUIRED TO GAIN ACCESS TO AREAS FOR ALL MECHANICAL, PLUMBING, ELECTRICAL, OR STRUCTURAL MODIFICATIONS. WHERE THE EXISTING CONSTRUCTION DOORS, PARTITIONS, CEILING, ETC., ARE TO BE REMOVED, MODIFIED OR REARRANGED OR WHERE THE EXPOSED OR HIDDEN MECHANICAL, ELECTRICAL, SYSTEMS ARE ADDED OR MODIFIED, THE GENERAL CONTRACTOR SHALL REPAIR, PATCH AND MATCH ALL EXISTING CONSTRUCTION AND FINISHES OF ALL FLOORS WALLS AND CEILINGS. WHERE CONCRETE MASONRY CONSTRUCTION IS MODIFIED, THE CONTRACTOR SHALL TOOTH IN ALL NEW CONSTRUCTION TO MATCH THE EXISTING BOND. WHERE CONCRETE CONSTRUCTION IS MODIFIED, THE CONTRACTOR SHALL VERIFY THE EXACT DETAILS TO BE USED FOR CONSTRUCTION. ALL WORK SHALL BE COVERED UNDER THE GENERAL CONTRACT.
- IF CONTRACTOR OR SUBCONTRACTOR FIND IT NECESSARY TO DEVIATE FROM ORIGINAL APPROVED PLANS, THEN IT IS THE CONTRACTOR'S AND THE SUBCONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CONSULTANT WITH 4 COPIES OF THE PROPOSED CHANGES FOR HIS APPROVAL BEFORE PROCEEDING WITH THE WORK. IN ADDITION THE CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR PROCURING ALL NECESSARY APPROVALS FROM THE BUILDING AUTHORITIES FOR THE PROPOSED CHANGES BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR PROCURING ALL NECESSARY INSPECTIONS AND APPROVALS FROM BUILDING AUTHORITIES DURING THE EXECUTION OF THE WORK.
- CONTRACTOR TO PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF PROJECT AREA DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PERFORM WORK DURING OWNER'S PREFERRED HOURS TO AVOID DISTURBING NORMAL BUSINESS.
- SEAL ALL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. LISTED OR FIRE MARSHAL APPROVED MATERIALS AS APPLICABLE TO THIS FACILITY AND OR PROJECT SITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR UTILITY LOCATES, SCHEDULING, COORDINATING SPECIAL AND BUILDING DEPARTMENT INSPECTIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND UTILIZING ORIGINAL ROOFING CONTRACTOR AS REQUIRED TO MAINTAIN ANY EXISTING ROOFING WARRANTY.
- ROUTING OF ALL CONDUITS, CABLES, CABLE TRAYS ETC ARE INDICATED AS PROPOSED LOCATION ONLY. CONFIRM THE EXACT LOCATION AND ROUTING WITH THE ON SITE T-MOBILE CONSTRUCTION MANAGER PRIOR TO STARTING WORK.

CONCRETE NOTES:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318 AND THE SPECIFICATION CAST-IN-PLACE CONCRETE.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS UNO.
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES CLASS "B" AND ALL HOOKS SHALL BE STANDARD UNO.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS: CONCRETE CAST AGAINST EARTH - 3 IN. CONCRETE EXPOSED TO EARTH OR WEATHER: #6 AND LARGER2 IN. #5 AND SMALLER & WWF1 1/2 IN.
- A 1/2" TROWELED RADIUS SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE UNO. HOLES TO RECEIVE EXPANSION/WEDGE ANCHORS SHALL BE 1/8" LARGER IN DIAMETER THAN THE ANCHOR BOLT, DOWEL OR ROD AND SHALL CONFORM TO MFR RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. AVOID CUTTING EXISTING REBAR WHEN DRILLING HOLES IN THE ELEVATED SLAB.
- INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURES.
- FLOAT SURFACE SHALL BE A SMOOTH FINISH. SURFACE SHALL BE FREE OF ALL OBVIOUS DEPRESSIONS. SURFACE SHALL BE SLOPED AT 2% TO PROMOTE DRAINAGE AWAY FROM EQUIPMENT.

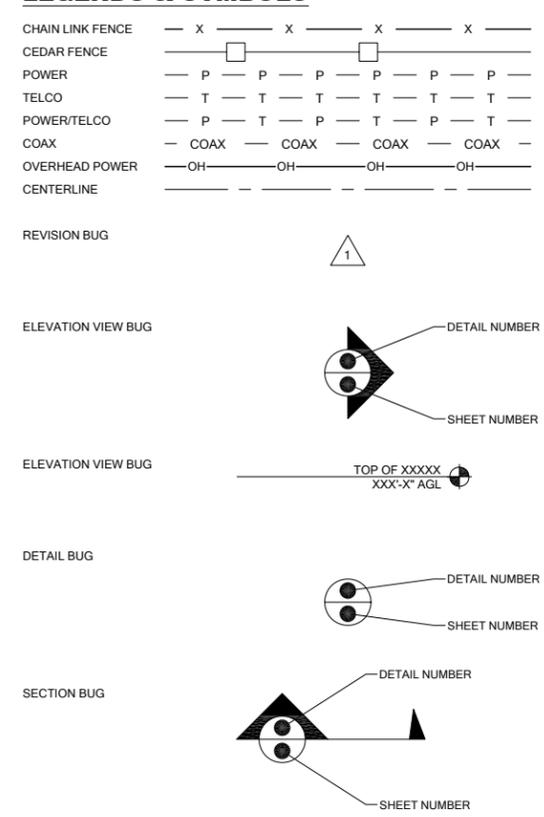
CONCRETE NOTES:

- RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
 - THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE PCS EQUIPMENT, TOWER AREAS, AND ADJACENT BUILDINGS.
 - 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.
 - THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO THE CRUSHED STONE APPLICATION.
 - ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW.
 - ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND SHALL BE CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING.
 - THE AREAS OF THE CUSTOMER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE BUILDING, DRIVEWAY OR CRUSHED STONE, SHALL BE GRADED TO A UNIFORM SLOPE, FERTILIZED, SEEDED, AND COVERED WITH MULCH AS SPECIFIED IN THE SPECIFICATION LANDSCAPE WORK.
 - BEDDING MATERIAL FOR UTILITY LINES, CULVERTS AND PIPING: CLEAN SAND, MEDIUM TP COARSE, SUB ROUNDED NATURAL RIVER OR BANK SAND, WASHED, FREE OF SILT OR CLAY, LOAM, FRIABLE OR SOLUBLE MATERIALS, AND ORGANIC MATTER; GRADED IN ACCORDANCE WITH THE FOLLOWING GRAIN SIZE DISTRIBUTION:
- | SIEVE SIZE | PERCENT PASSING |
|--------------|-----------------|
| 3/8" | 100 |
| NO. 4 MESH | 60-90 |
| NO. 8 MESH | 0-45 |
| NO. 16 MESH | 0-25 |
| NO. 100 MESH | 0-2 |
| NO. 200 MESH | 0-2 |
- BMP'S FOR TEMPORARY EROSION/SEDIMENTATION CONTROL SHALL BE IMPLEMENTED PER LOCAL, CITY OR COUNTY GUIDELINES AND PER PLAN IF APPLICABLE.

ABBREVIATIONS

AC	AIR CONDITIONER	JT	JOINT
AFF	ABOVE FINISHED FLOOR	LAM	LAMINATED
AFG	ABOVE FINISHED GRADE	LF	LINEAL FOOT
AFS	ABOVE FINISHED SLAB	MANUF	MANUFACTURER
ALUM	ALUMINUM	MAX	MAXIMUM
	ANCHOR BOLT	MECH	MECHANICAL
	ANGLE	MH	MANHOLE
ARCH	ARCHITECTURAL	MM	MILLIMETER
BTS	BASE TRANSMISSION SYSTEM	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
BM	BEAM	MPH	MILES PER HOUR
BO	BOTTOM	MTL	METAL
B.O	BOTTOM OF	NIC	NOT IN CONTRACT
BOC	BOTTOM OF CONCRETE	NOM	NOMINAL
BOS	BOTTOM OF STEEL	NTS	NOT TO SCALE
	CONTROL JOINT	OC	ON CENTER
	CENTER LINE	OD	OUTSIDE DIAMETER
	CEILING	OH	OVERHEAD
CLG	CLEAR	OPNG	OPENING
CLR	CONCRETE MASONRY UNIT	OPP	OPPOSITE
CMU	COLUMN	(P)	PROPOSED
COL	CONCRETE	PCS	PERSONAL COMMUNICATION SYSTEM
CONC	CONCRETE	R	PLATE
CONST	CONSTRUCTION	PR	PAIR
CONT	CONTINUOUS	PSI	POUNDS PER SQUARE INCH
CTR	CENTER	PSF	POUNDS PER SQUARE FOOT
DIA / ϕ	DIAMETER	PT	PRESSURE TREATED
DTL	DETAIL	RAD	RADIUS
	EXISTING	RD	ROOF DRAIN
EA	EACH	REINF	REINFORCED/REINFORCING
	EXPANSION JOINT	REQD	REQUIRED
	ELECTRICELECTRICAL	RM	ROOM
ELEC	ELEVATION	R/W	RIGHT OF WAY
	EQUAL	SCHED	SCHEDULE
EQ	EACH WAY	SECT	SECTION
EW	EXPANSION	SF	SQUARE FOOT
EXP	EXTERIOR	SIM	SIMILAR
EXT	FLOOR DRAIN	SQ FT	SQUARE FOOT
	FINISH	SS	STAINLESS STEEL
FIN	FINISH FLOOR	STD	STANDARD
FIN FLR	FLOOR	STL	STEEL
FLR	FOOTING	STRUC	STRUCTURAL
FTG	GAUGE	TEMP	TEMPORARY
GA	GALVANIZED	THK	THICK
GALV	GYP	T.O.	TOP OF
GYP	GYP SUM BOARD	TOS	TOP OF STEEL
GB	HOLLOW METAL	TOC	TOP OF CONCRETE
HM	HORIZONTAL	TYP	TYPICAL
HOR	HOUR	UNO	UNLESS NOTED OTHERWISE
HR	HEIGHT	VCT	VINYL COMPOSITION TILE
HVAC	HEATING VENTILATION AIR CONDITIONING	VERT	VERTICAL
INSUL	INSULATION	W/	WITH
INT	INTERIOR	WWW	WELDED WIRE MESH

LEGENDS & SYMBOLS



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7607 80TH AVE NE
MARYSVILLE, WA 98270
206-851-1106**

DRAWN BY: JL CHK. BY: BJ APPV. BY: AI



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DRAWING NUMBER:

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7607 80TH AVE NE
MARYSVILLE, WA 98270
206-851-1106**

DRAWN BY: CHK. BY: APPV. BY:

JL

BJ

AI

LICENSURE:



EQUIPMENT:

NEW ANTENNAS & NEW RADIO EQUIPMENT.

DRAWING INFORMATION:

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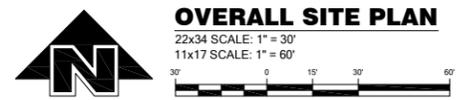
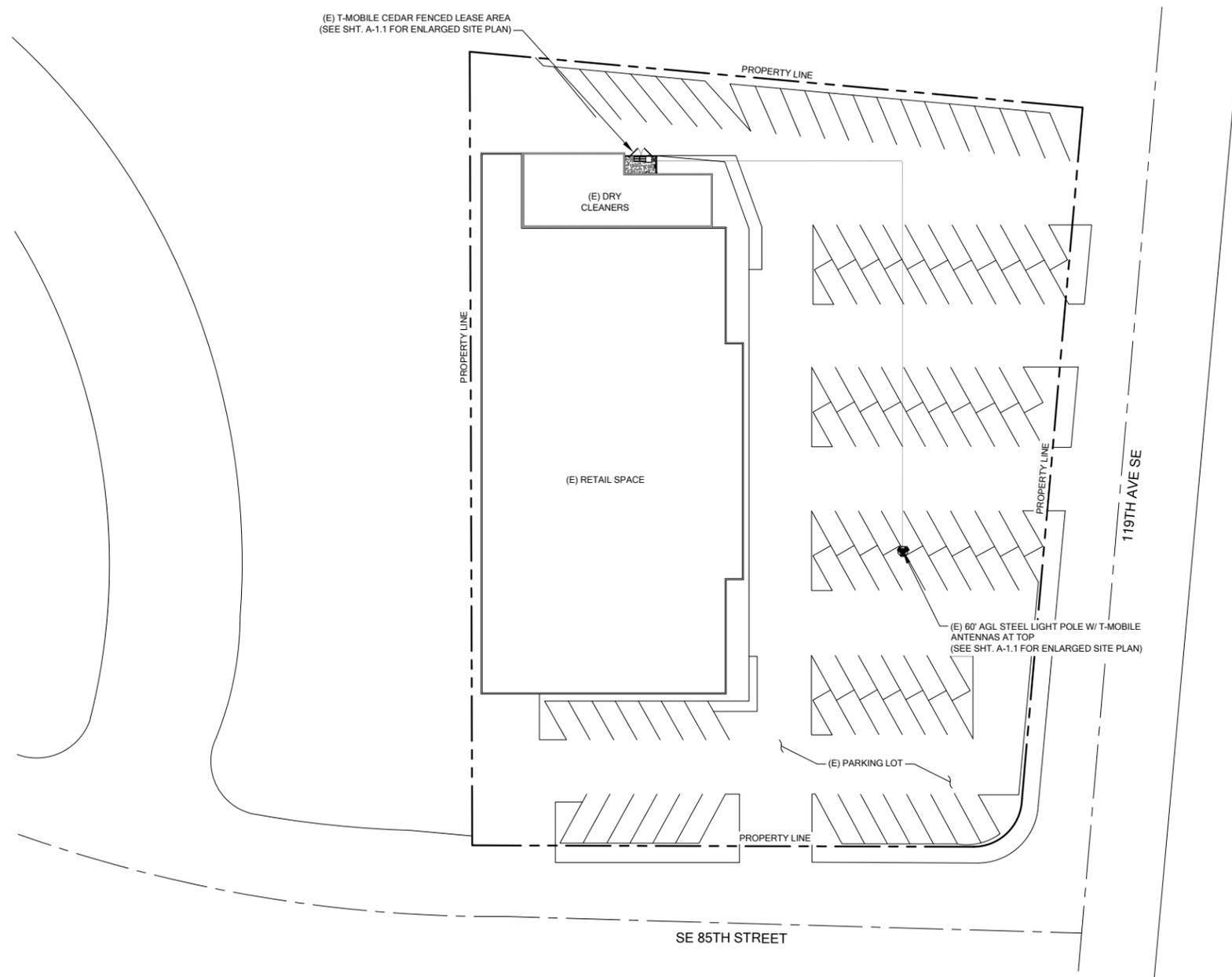
DRAWING TITLE:

SITE PLAN

DRAWING NUMBER:

A-1

(E) T-MOBILE CEDAR FENCED LEASE AREA
(SEE SHT. A-1.1 FOR ENLARGED SITE PLAN)



OVERALL SITE PLAN

22x34 SCALE: 1" = 30'
11x17 SCALE: 1" = 60'

PROJECT INFORMATION:

**DRY CLEANERS/BGN
SE01908D**

5629 119TH AVE SE
BELLEVUE, WA 98006

ISSUED FOR:

BUILDING PERMIT

REVISION HISTORY:

NO.	DATE:	DESCRIPTION:	CHK. BY:	APPV. BY:
4	11/6/2014	MINOR REV	BJT	AI
3	4/17/2014	REV PER REDLINES	BJT	AI
2	3/27/2014	REV. PER REDLINES	BJT	AI
1	2/21/2014	ISSUED DESIGN REVIEW	BJT	AI

PLANS PREPARED BY:

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206-851-1106

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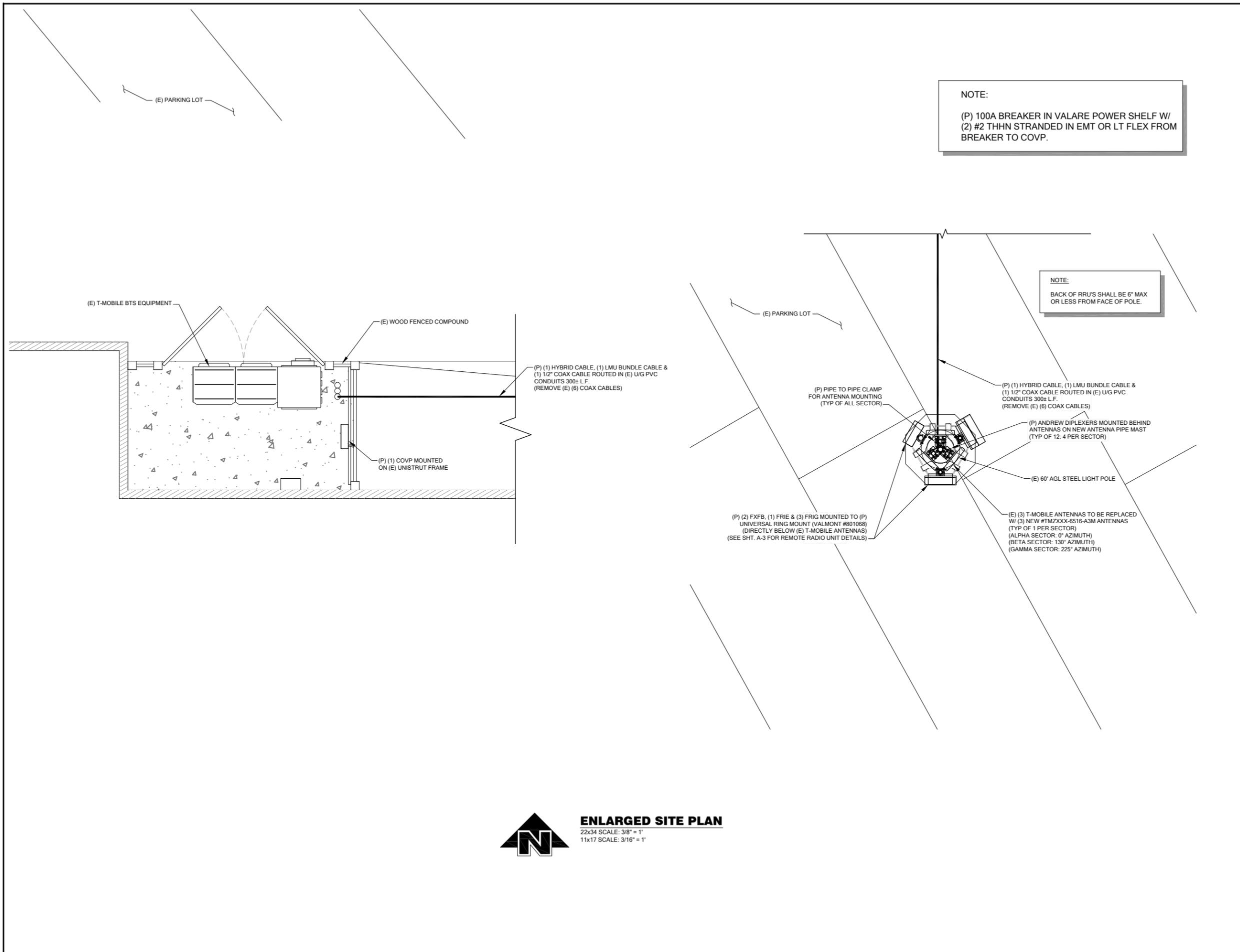
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DRAWING TITLE:

**ENLARGED
SITE PLAN**

DRAWING NUMBER:

A-1.1



ENLARGED SITE PLAN

22x34 SCALE: 3/8" = 1'
11x17 SCALE: 3/16" = 1'



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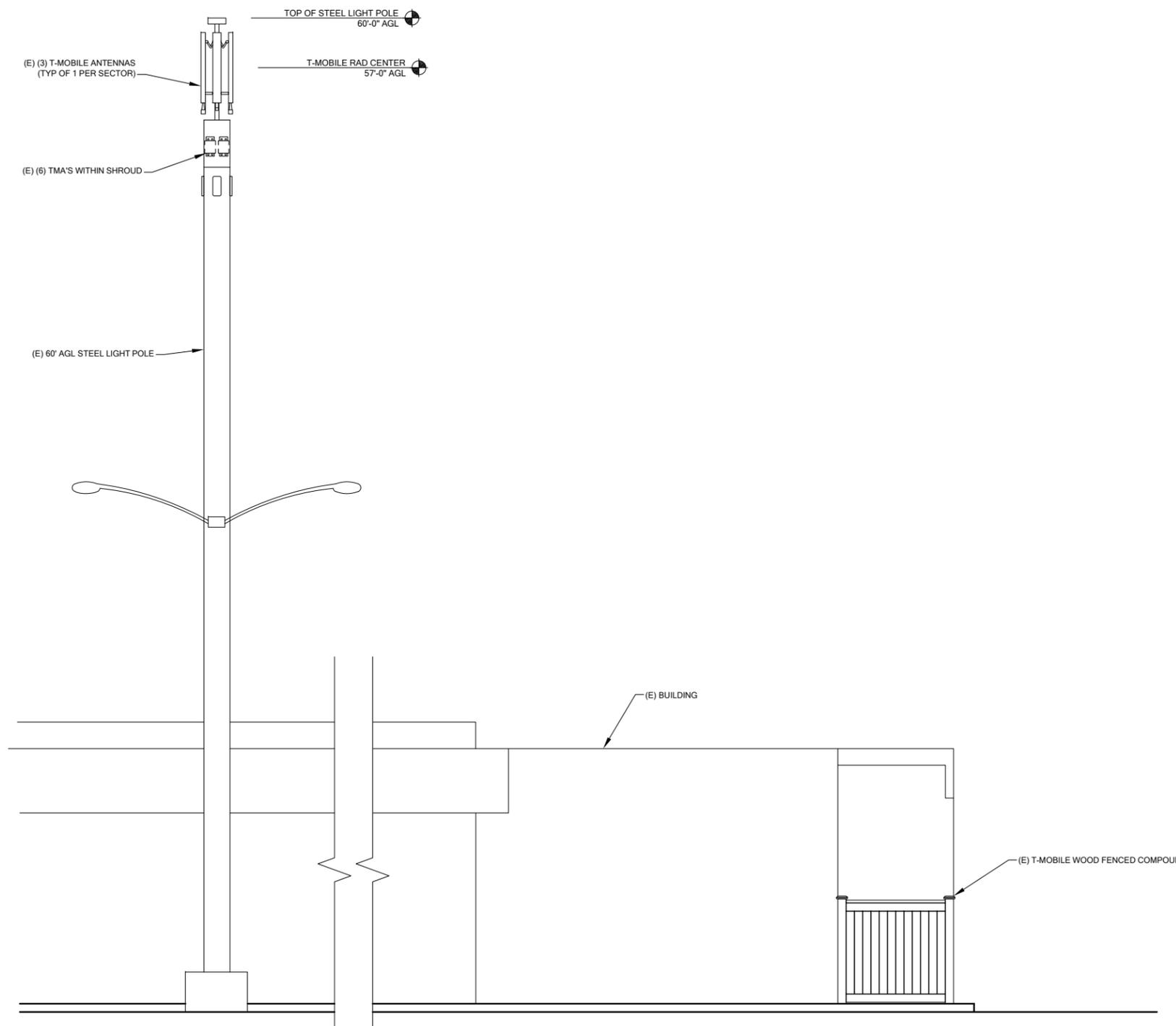
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DRAWING TITLE:

**EXISTING SITE
ELEVATION**

DRAWING NUMBER:

A-2



1 **EXISTING EAST ELEVATION**
A-2 SCALE: NTS



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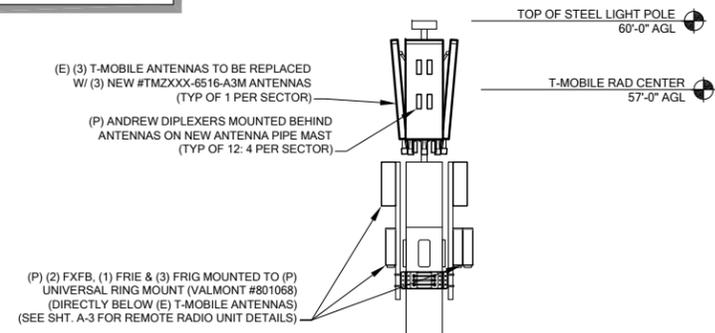
DRAWING TITLE:

**PROPOSED SITE
ELEVATION**

DRAWING NUMBER:

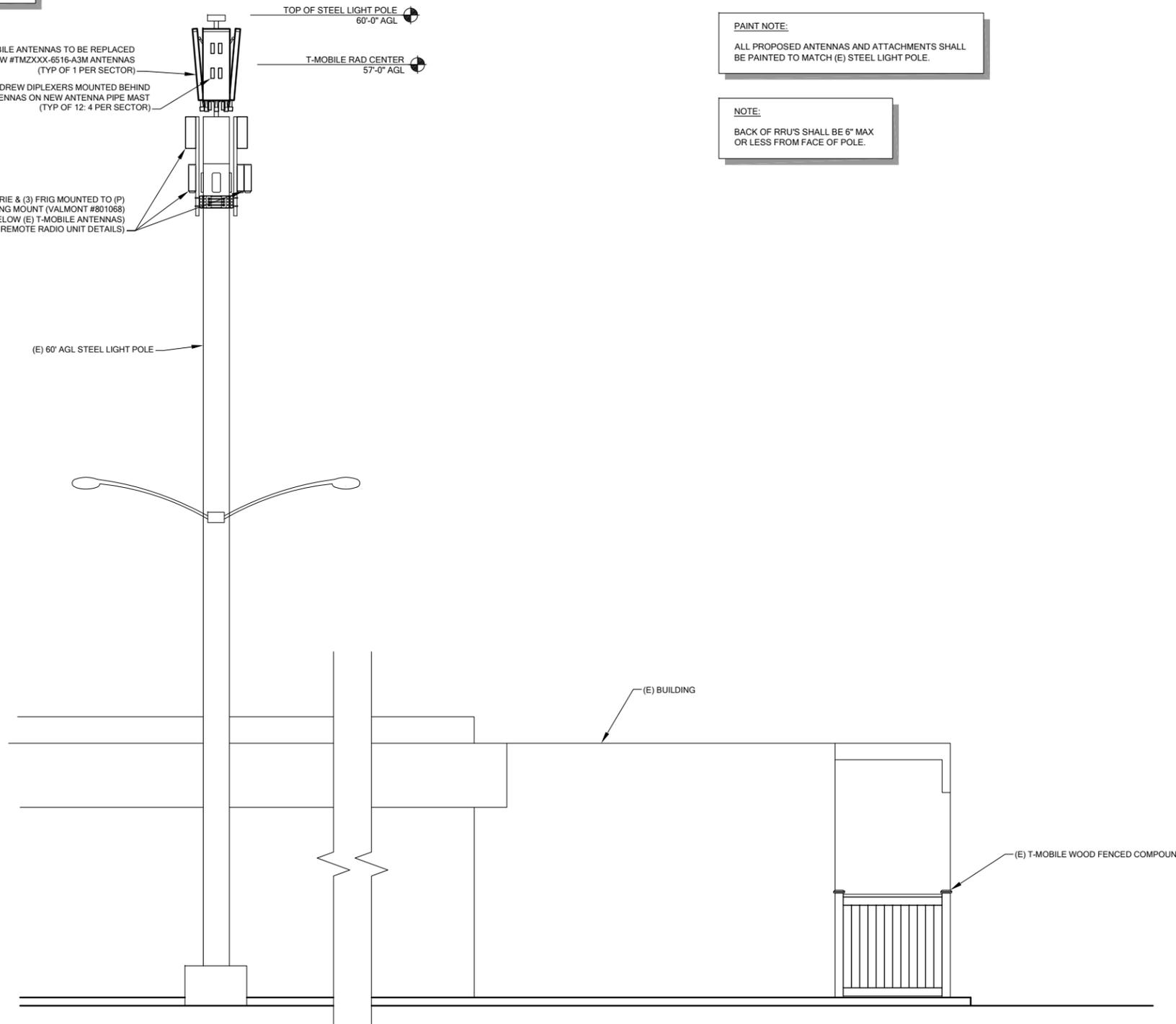
A-2.1

NOTE:
STAND ANTENNAS OFF ENOUGH TO MAKE ROOM TO MOUNT DIPLEXERS BEHIND ANTENNAS.

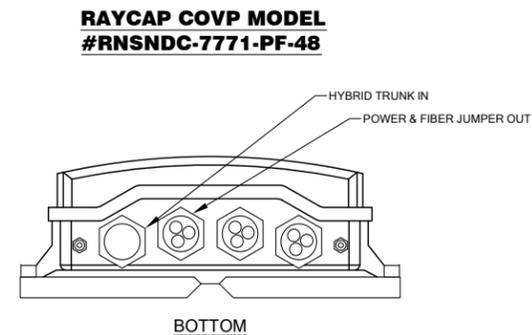
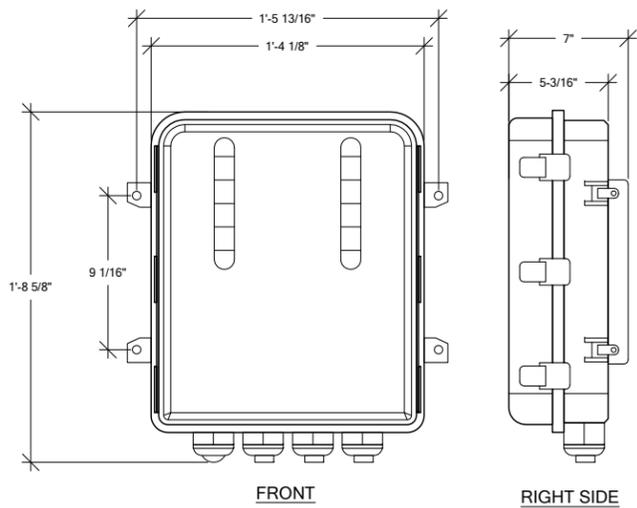


PAINT NOTE:
ALL PROPOSED ANTENNAS AND ATTACHMENTS SHALL BE PAINTED TO MATCH (E) STEEL LIGHT POLE.

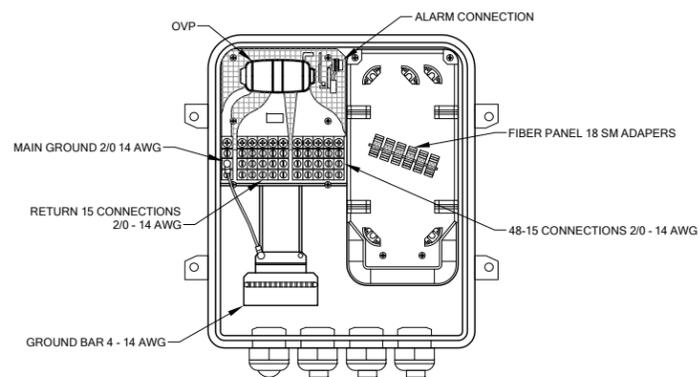
NOTE:
BACK OF RRU'S SHALL BE 6" MAX OR LESS FROM FACE OF POLE.



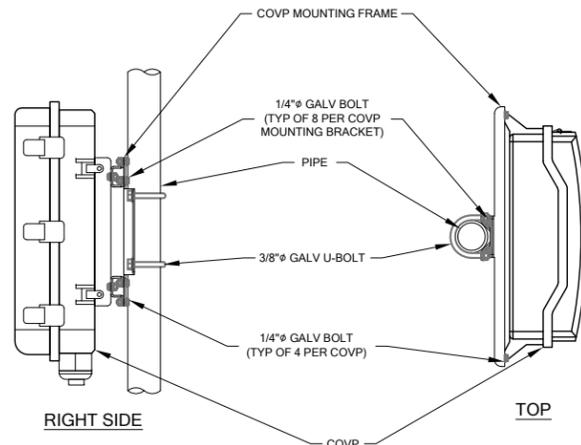
1 PROPOSED EAST ELEVATION
A-2.1 SCALE: NTS



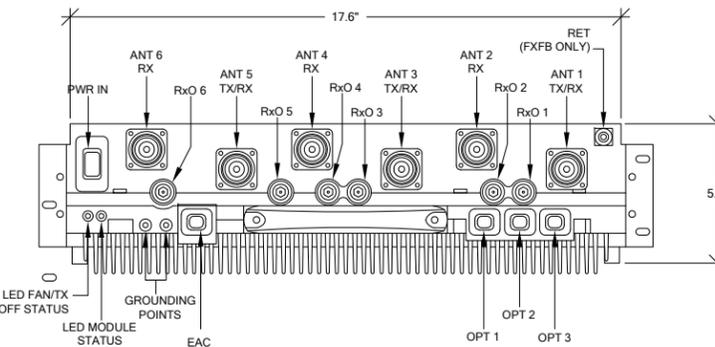
1 RAYCAP COVP DETAIL
A-3 SCALE: NTS



3 COVP INTERIOR DETAIL
A-3 SCALE: NTS



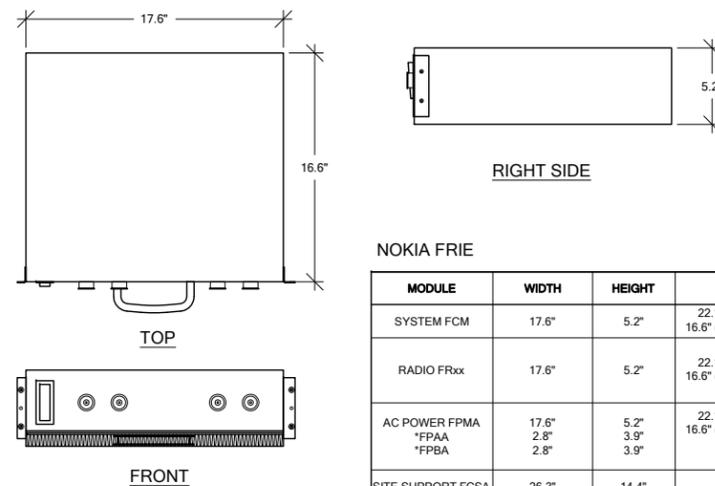
4 COVP MOUNTING DETAIL
A-3 SCALE: NTS



2 FXFB DETAIL
A-3 SCALE: NTS

NOKIA FXFB MODEL #472166A

PROPERTY	VALUE
HEIGHT	133mm/3U (5.2 in)
WIDTH WIDTH (WITH COVERS)	447 mm (17.6 in) 490 mm (19.3 in)
DEPTH (FOR RACK ASSEMBLIES) DEPTH (WITH COVERS)	395 mm (15.6 in) 560 mm (22 in)
WEIGHT (INCLUDING THE CORE, FANS AND CASING)	MAX. 25 kg (55.1 lb)



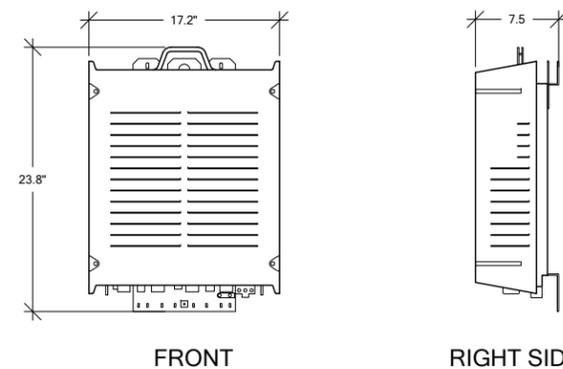
NOKIA FRIB

MODULE	WIDTH	HEIGHT	DEPTH	WEIGHT
SYSTEM FCM	17.6"	5.2"	22.1" (WITH COVER) 16.6" (WITHOUT COVER)	46.3 LBS
RADIO FRxx	17.6"	5.2"	22.1" (WITH COVER) 16.6" (WITHOUT COVER)	46.3 LBS
AC POWER FPMA *FPAA *FPBA	17.6" 2.8"	5.2" 3.9" 3.9"	22.1" (WITH COVER) 16.6" (WITHOUT COVER) 15" 15"	24.3" 7.0" 8.4"
SITE SUPPORT FCSSA *LTE *MIBBU (WPU) *WMP	26.3" 17.6" 17.6" 4.3"	14.4" 7" 5.2" 1.3"	20.6" 17.1" -	44.1 LBS 44.1 LBS 6.2 LBS

5 FRIB DETAIL
A-3 SCALE: NTS

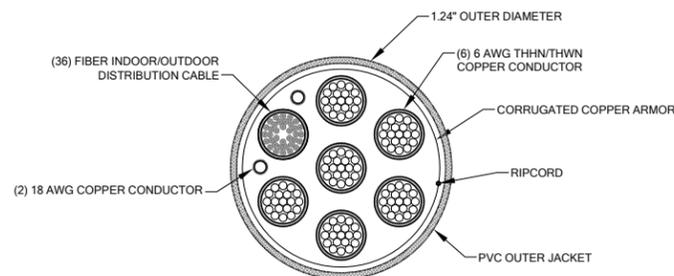
DIMENSIONS (WxHxD) W/ SOLAR COVER & MOUNTING	17.2" x 23.8" x 7.5"
FRIG UNIT WEIGHT	24.0 kg / 25.9 lbs
SOLAR SHIELD WEIGHT	1.2 kg / 2.6 lbs
MOUNTING BRACKET WEIGHT	0.7 kg / 1.5 lbs
TOTAL WEIGHT	25.9 kg / 57 lbs

NOTE:
FRIG TO BE MOUNTED VERTICALLY ONLY.



7 FRIG DETAIL
A-3 SCALE: NTS

HYBRID CABLE		
STRUCTURE	# OF CABLES	LENGTH
LIGHT POLE	1	300'



6 HYBRID CABLE DETAIL
A-3 SCALE: NTS

T-Mobile

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DRAWING TITLE:

GENERAL DETAILS

DRAWING NUMBER:

A-4

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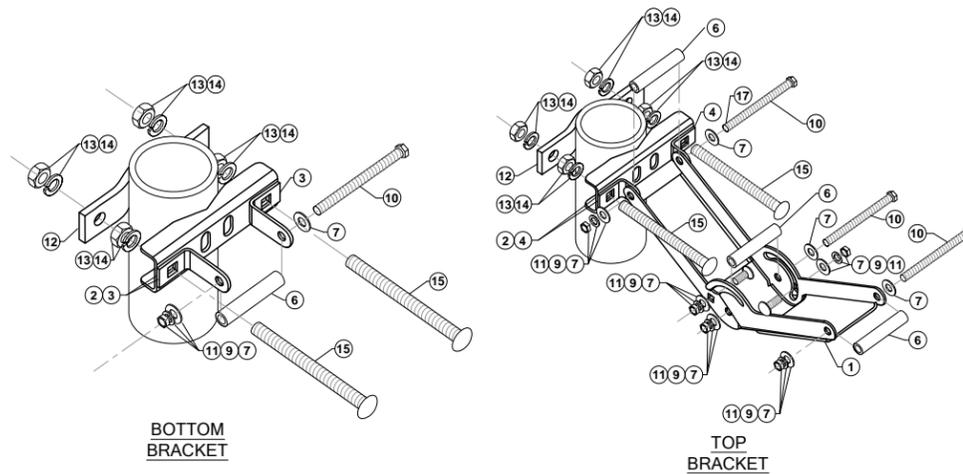
DRAWING TITLE:

GENERAL DETAILS

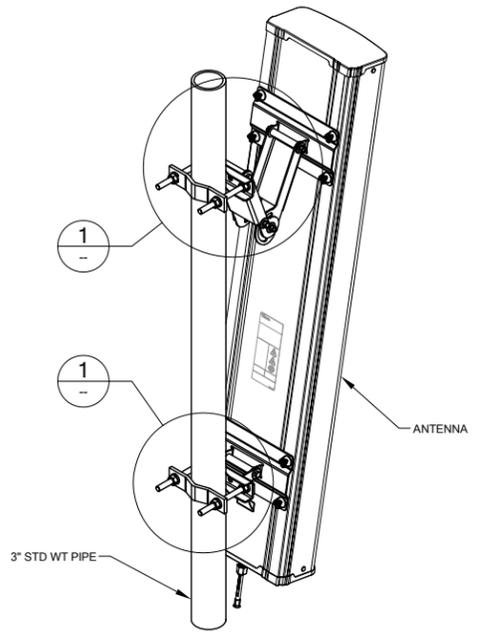
DRAWING NUMBER:

A-4

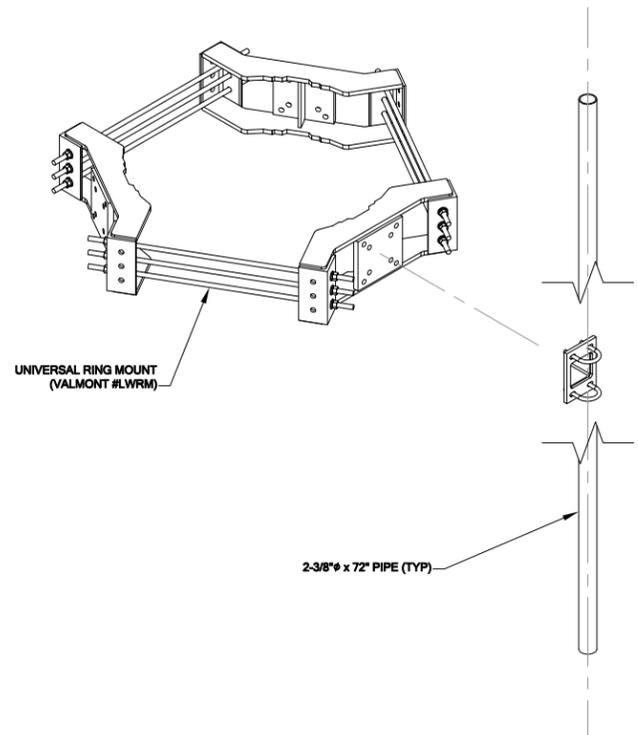
ITEM #	QUANTITY	PART NUMBER	DESCRIPTION
1	2	601257	ANGLE ARM
2	2	601256	MOUNTING CLAMP
3	2	601235-1	BRACKET
4	2	601235-2	BRACKET
5	1	601258	LABEL, ANGLE
6	4	600679-3	SPACER TUBE
7	14	100525-24	ME FLAT WASHER (STAINLESS STEEL)
8	2	600419-8	M8x1.25x25mm LARGE CARRIAGE BOLT (STAINLESS STEEL)
9	6	617395	M8 LOCK WASHER (STAINLESS STEEL)
10	4	600419-10	M8x1.25x110mm LARGE HEX HEAD SCREW (STAINLESS STEEL)
11	6	204001-15	M8x1.25 HEX NUT (STAINLESS STEEL)
12	2	225244	CLAMP PLATE
13	8	600419-24	LARGE LOCK WASHER (STAINLESS STEEL)
14	8	204001-21	M12x1.75 HEX NUT (STAINLESS STEEL)
15	4	600419-12	M12x1.75x150mm LARGE CARRIAGE BOLT (STAINLESS STEEL)
17	1	601594	MOLYBDENUM DISULFIDE GREASE



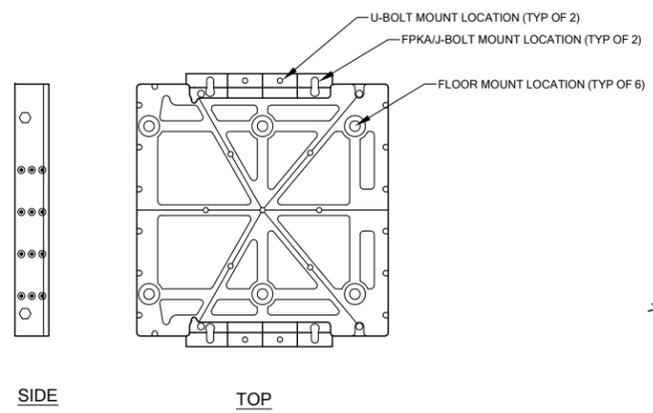
1 ANTENNA BRACKET ATTACHMENT DETAIL
SCALE: NTS



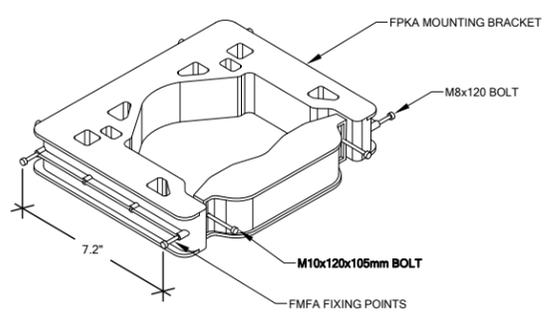
2 ANTENNA ATTACHMENT DETAIL
SCALE: NTS



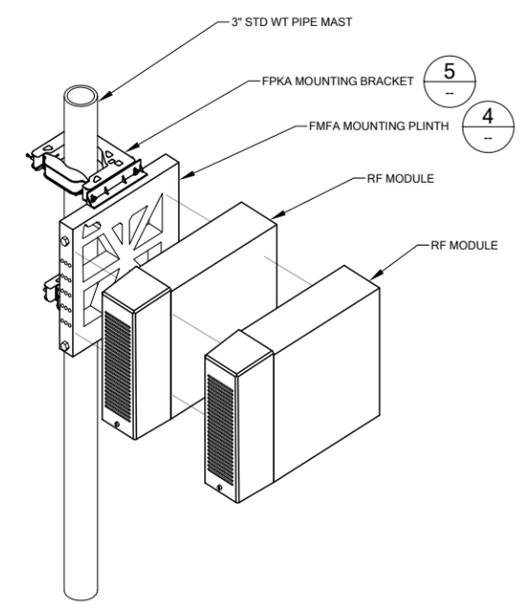
3 UNIVERSAL RING MOUNT & 8" STANDOFF DETAIL
SCALE: NTS



4 FMFA DETAIL
SCALE: NTS



5 FPKA DETAIL
SCALE: NTS



6 RRU MOUNTING DETAIL
SCALE: NTS

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DRAWING TITLE:

**ELECTRICAL
GROUNDING PLAN**

DRAWING NUMBER:

E-1

SYMBOL LEGEND:

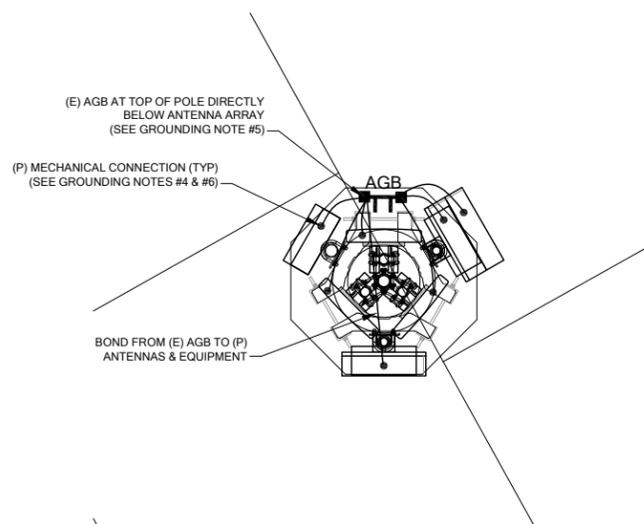
- MGB**
 MASTER GROUND BAR 1/4"x4"x24" COPPER
- AGB**
 ACCESSORY GROUND BAR 1/4"x4"x12" OR 1/4"x4"x20" COPPER
- EXPOSED WIRING
- UNDERGROUND WIRING
- CADWELD
- MECHANICAL CONNECTION
- 5/8"x8" COPPER CLAD STEEL GROUND ROD
- INSPECTION PORT
- EXOTHERMIC (CADWELD) BELOW GROUND
- GROUND

GROUNDING NOTES:

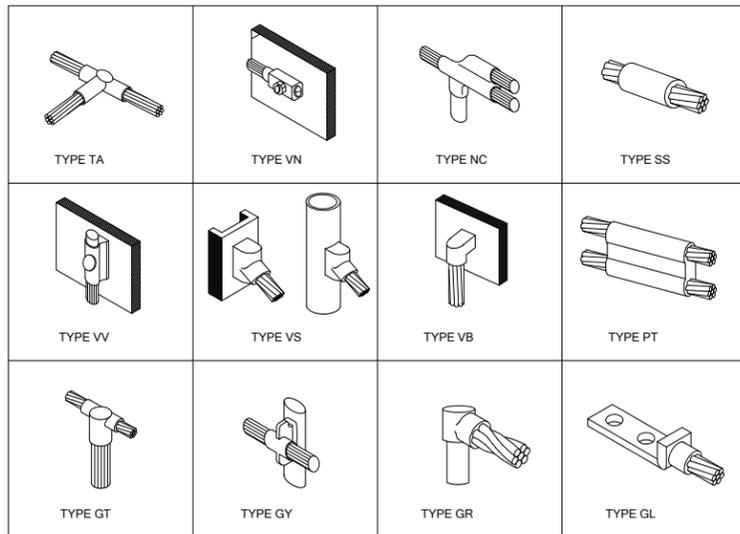
1. GROUNDING SHALL COMPLY WITH LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
2. MINIMUM BENDING RADIUS FOR GROUND CONDUCTOR IS 8".
3. NO SPLICES PERMITTED IN GROUND CONDUCTORS.
4. ALL GROUNDING CONNECTORS TO BE CLEAN AND FREE OF PAINT AT THEIR MATING SURFACES AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. USE PENETROX OR EQUIVALENT ANTIOXIDANT GREASE.
5. ALL GROUND BAR CONNECTIONS ARE TO BE 2 HOLE LUG COMPRESSION TYPE. STACKED CONNECTIONS ARE NOT ACCEPTABLE. BACK TO BACK CONNECTIONS ON OPPOSITE SIDES OF THE GROUND BAR WILL BE PERMITTED.
6. ENSURE ALL MECHANICAL CONNECTORS ARE TORQUED TO THE MANUFACTURER'S SPECIFIED VALUES.
7. MULTIPLE BONDS ON GROUND RODS TO BE SEPARATED BY ATLEAST 6".
8. MAXIMUM RESISTANCE OF THE COMPLETED GROUND SYSTEM SHALL NOT EXCEED A RESISTANCE OF 5 OHMS TO EARTH.
9. GROUND WIRES SHALL NOT BE INSTALLED THROUGH HOLES IN ANY METAL OBJECTS OR SUPPORTS; TO PRECLUDE ESTABLISHING A "CHOKE" POINT.
10. GROUND BARS SHALL NOT BE FIELD MODIFIED.
11. GROUND RING BURIAL DEPTH SHALL BE 30".
12. A CERTIFIED CONTRACTOR WILL MAKE ALL MEASUREMENTS REQUIRED TO TEST THE GROUNDING SYSTEM USING A MEGGER OR EQUIVALENT. THE ACCEPTABLE RESISTANCE MEASURED FOR THE GROUNDING SYSTEM WILL NOT EXCEED 5 OHMS RESISTANCE. THREE DISTANCES SHALL BE USED: 1 AT 100 FEET, 1 AT 70 FEET, AND 1 AT 35 FEET. THESE DISTANCES ARE SUBJECT TO A SITE BY SITE BASIS. T-MOBILE-WTS SHALL BE GIVEN 24 HOURS NOTICE. ALL COSTS ASSOCIATED WITH GROUND TESTING WILL BE AT THE EXPENSE OF THE CONTRACTOR.

GROUNDING NOTE:

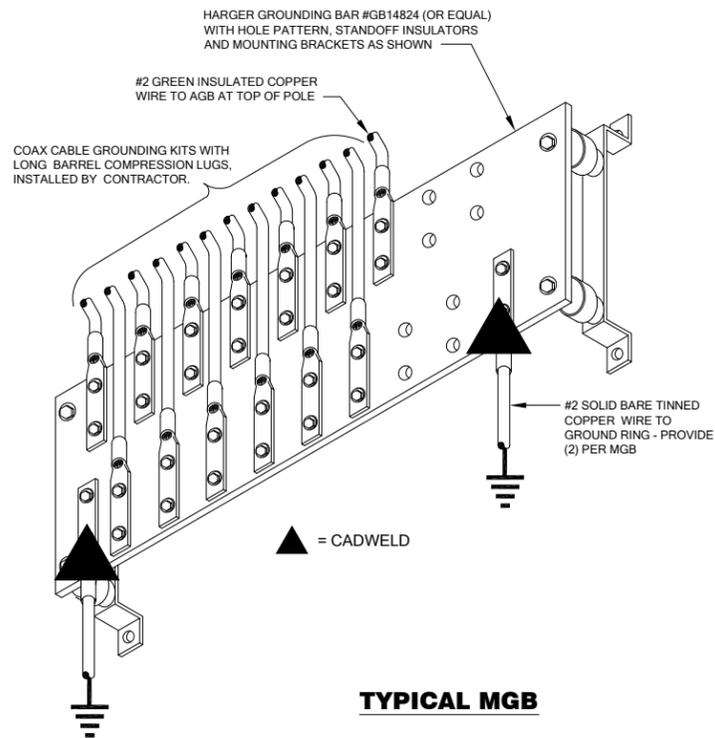
GROUND HYBRID CABLE TOP & BOTTOM USING UNIVERSAL 1-5/8" GROUNDING STRAP, PART #252172



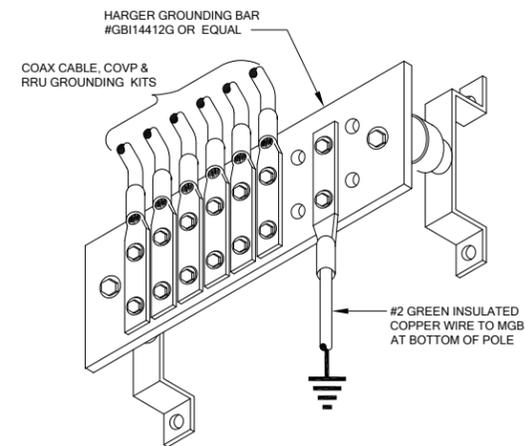
1 ELECTRICAL GROUNDING PLAN
E-1 22x34 SCALE: 1/2" = 1'
11x17 SCALE: 1/4" = 1'



1 TYPICAL CADWELD CONNECTIONS
E-2 N.T.S.



TYPICAL MGB



TYPICAL AGB

2 GROUND BAR DETAILS
E-2 N.T.S.



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DRAWING TITLE:

**ELECTRICAL
GROUNDING
DETAILS**

DRAWING NUMBER:

E-2

SITE LOADING CHART

SECTOR	COLOR	ANTENNA MODEL #	VENDOR	AZIMUTH (TN)	MECHANICAL DOWNTILT	ELECTRICAL DOWNTILT	RADIATION CENTER	HYBRID/LMU CABLE LENGTH	COAX CABLES
ALPHA	RED	TMZXXX-6516-A3M	ANDREW	0°	TBD	TBD	57'-0" AGL	(1) 300'	N/A
BETA	GREEN	TMZXXX-6516-A3M	ANDREW	130°	TBD	TBD	57'-0" AGL		N/A
GAMMA	BLUE	TMZXXX-6516-A3M	ANDREW	225°	TBD	TBD	57'-0" AGL		N/A

ANTENNA AND COAX GENERAL NOTES:

- ALL ANTENNA AND COAXIAL ANTENNA CABLE TO BE FURNISHED BY T-MOBILE AND INSTALLED BY CONTRACTOR.
- COAX COLOR CODING: ANTENNAS TO BE NUMBERED IN A CLOCKWISE MANNER FROM TRUE NORTH AND COLOR CODED AS FOLLOWS:
- THE ABOVE COAX COLOR CODING APPLIES TO SECTORIZED SITES. FOR OMNI SITES, USE THE AT0, BT0, & GT0 COLOR CODES ONLY.
- COAX SHALL BE TAGGED WITH COLOR CODING AT (2) PLACES USING 1" WIDE WEATHER PROOF COLORED VINYL TAPE AT THE FOLLOWING LOCATIONS:
 #1 - AT ANTENNA CONNECTION
 #2 - AT ENTRY TO EQUIPMENT CABINET
- RUN COAXIAL CABLE WITH MINIMUM 12" SLACK & 12" FROM EDGE OF EQUIPMENT CABINETS, ACROSS WAVE GUIDE BRIDGE (IF APPLICABLE), UP TO TOWER LEG (IF APPLICABLE), & DISTRIBUTE TO EACH ANTENNA DEVICE. FURNISH AND INSTALL A MINIMUM OF (3) GROUND KITS PER COAXIAL CABLE ACCORDING TO ELECTRICAL DRAWINGS. VERIFY NUMBER OF ANTENNAS, CABLE, & CABLE DIAMETER WITH PROJECT MANAGER.



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SE01908D**

**5629 119TH AVE SE
BELLEVUE, WA 98006**

ISSUED FOR:

BUILDING PERMIT

REVISION HISTORY:

NO.	DATE:	DESCRIPTION:	CHK. BY:	APPV. BY:
4	11/6/2014	MINOR REV	BJT	AI
3	4/17/2014	REV PER REDLINES	BJT	AI
2	3/27/2014	REV. PER REDLINES	BJT	AI
1	2/21/2014	ISSUED DESIGN REVIEW	BJT	AI

PLANS PREPARED BY:

**B. J. THOMAS, P.E.
7607 80TH AVE NE
MARYSVILLE, WA 98270
206-851-1106**

DRAWN BY: CHK. BY: APPV. BY:

JL BJ AI

LICENSURE:



EQUIPMENT:

NEW ANTENNAS & NEW RADIO EQUIPMENT.

DRAWING INFORMATION:

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS AND OMISSIONS. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN WHICH IS RELATED TO NAMED CLIENT IS STRICTLY PROHIBITED.

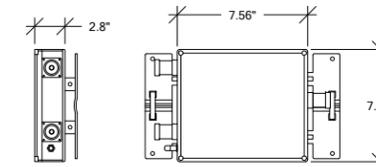
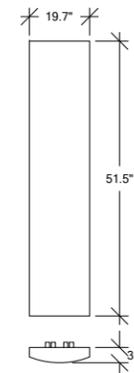
DRAWING TITLE:

RF DETAILS

DRAWING NUMBER:

RF-1

COMMSCOPE LMU BUNDLE CABLE DETAIL			
MECHANICAL SPECIFICATIONS:			
PART #	CABLE WEIGHT	DIAMETER OVER JACKET	JACKET THICKNESS
C4006L-NFNF	561.00 lb/kft	1.280" (32.512 mm)	0.040" (1.016 mm)
MINIMUM BEND RADIUS	CNT-400-R CABLE AMOUNT		
24" (609.60 mm)	6		



ANDREW ANTENNA DATA				
MECHANICAL SPECIFICATIONS				
PART NUMBER	HEIGHT	WIDTH	DEPTH	WEIGHT
TMZXXX-6516-A3M	60 in (with actuator)	19.7 in	3.5 in	38.4 lbs
CONNECTORS	STANDARD MOUNTING HARDWARE			
(4) 7-16 DIN	INCLUDED			
ELECTRICAL SPECIFICATIONS				
FREQUENCY	POLARIZATION	GAIN	AZIMUTH B.W.	ELEVATION B.W.
1710-2155 MHz	±45°	17.4 ± 0.8	63° ± 8	7.3° ± 1.0
VSWR	MAX INPUT POWER			
1.35:1 / 16.5	250 WATTS			

CROSSBAND COUPLER- PCS/AWS "DIPLEXER"				
MECHANICAL SPECIFICATIONS:				
PART #	LENGTH	WIDTH	DEPTH	WEIGHT
ECC1920-VPUB	7.56" (192mm)	7.32" (186mm)	2.8" (72mm)	3.6 kg (7.9 lb)
CONNECTORS	MOUNTING CONNECTOR			
TYPE "RF"	7-16 DIN FEMALE			
ELECTRICAL SPECIFICATIONS:				
FREQUENCY			POWER HANDLING	
1710-1755 MHz / 2110-2155 MHz			7-30 Vdc	

UL & DL FREQUENCIES FOR SEATTLE MARKET:

PCS:

UL: 1885 - 1895 MHz, 1900 - 1905 MHz
DL: 1965 - 1975 MHz, 1980 - 1985 MHz

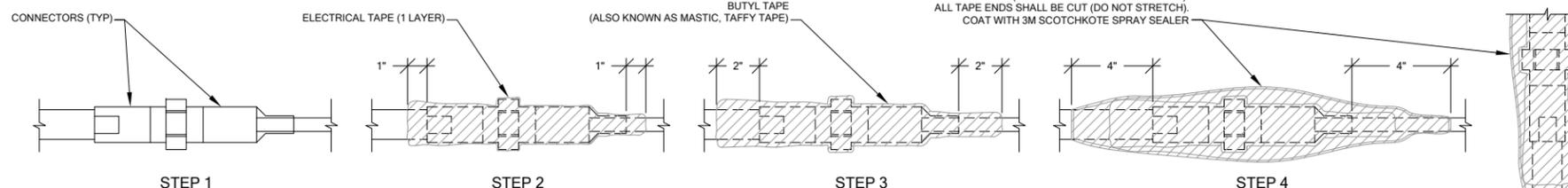
AWS:

UL: 1745 - 1755 MHz
DL: 2145 - 2155 MHz

NOTE:

- ALL COAXIAL CABLE CONNECTIONS TO BE WEATHER PROOFED.
- CONTRACTOR TO DIP CABLES AND JUMPERS WHERE NECESSARY.
- TAGGING:
 - ALL COAXIAL CABLES TO BE MARKED WITH COLOR CODED TAPE TO INDICATE THE ANTENNA SECTOR.
 - COLORLED ELECTRICAL TAPE SHALL MARK EACH END OF CABLE AND EACH END OF JUMPERS AS CLOSE TO EACH END AS POSSIBLE. (NOT TO INTERFERE WITH WEATHERPROOFING.)
- COAXIAL CABLE SPECIFICATIONS REQUIRE CABLE SUPPORT EVERY 3'-0" ON CENTER. CONTRACTOR SHALL SUPPLY SUPPORTS AS REQUIRED TO MEET THIS REQUIREMENT.
- VERTICAL CONNECTIONS SHALL BE TAPED FROM THE BOTTOM UP SO OVERLAP MOVES WATER AWAY FROM CONNECTION. (SEE STEP 4.)
- PROVIDE HEAT SHRINK IN PLACE OF TAPE FOR QUAD POLES AND TMA'S. HEAT SHRINK SHALL BE "CANUSA" WITH ADHESIVE.

ELECTRICAL TAPE: 3 LAYERS WITH 2" TAPE AND 3 LAYERS IN 3/4" TAPE (ALL WITH MINIMUM 50% OVERLAP). ALL TAPE ENDS SHALL BE CUT (DO NOT STRETCH). COAT WITH 3M SCOTCHKOTE SPRAY SEALER



1 COAXIAL CABLE WEATHERPROOFING
RF-1 SCALE: NTS

PROJECT INFORMATION:

**DRY CLEANERS/BGN
SE01908D**

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DRAWING TITLE:

RF DETAILS

DRAWING NUMBER:

RF-2

NSN Configuration 1A with 1 HEX TT-2012/2013 [U2100 on TOP]
Tower-Top RRU for Contiguous Spectrum Markets
(1 Sector of cabling shown for clarity)

