



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

OPTIONAL DETERMINATION OF NON-SIGNIFICANCE (DNS) NOTICE MATERIALS

The attached materials are being sent to you pursuant to the requirements for the Optional DNS Process (WAC 197-11-355). A DNS on the attached proposal is likely. This may be the only opportunity to comment on environmental impacts of the proposal. Mitigation measures from standard codes will apply. Project review may require mitigation regardless of whether an EIS is prepared. A copy of the subsequent threshold determination for this proposal may be obtained upon request.

File No. 14-125792-LA
Project Name/Address: T-Mobile SE01914A Solvang/4624 164th Avenue SE
Planner: Laurie Tyler
Phone Number: (425)-452-2728

Minimum Comment Period: April 24, 2014, 5PM

Materials included in this Notice:

- Blue Bulletin
- Checklist
- Vicinity Map
- Plans
- Other:

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.

ENVIRONMENTAL CHECKLIST

4/11/2013

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).

BACKGROUND INFORMATION

Property Owner:

Proponent:

Contact Person:

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

Address:

Phone:

Proposal Title:

Proposal Location:

(Street address and nearest cross street or intersection) Provide a legal description if available.

Please attach an 8 ½" 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:
2. Acreage of site:
3. Number of dwelling units/buildings to be demolished:
4. Number of dwelling units/buildings to be constructed:
5. Square footage of buildings to be demolished:
6. Square footage of buildings to be constructed:
7. Quantity of earth movement (in cubic yards):
8. Proposed land use:
9. Design features, including building height, number of stories and proposed exterior materials:
10. Other

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

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

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

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.

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.

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)
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)?
- 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.

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

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

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

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

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

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.

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

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

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.

- (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.

- (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.

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

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

- (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.

b. Ground

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

- (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.

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.

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

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

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?

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

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

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:
- b. List any threatened or endangered species known to be on or near the site.
- c. Is the site part of a migration route? If so, explain.
- d. Proposed measures to preserve or enhance wildlife, if any:

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

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.

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

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

- b. Noise

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

(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.

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

8. Land and Shoreline Use

- a. What is the current use of the site and adjacent properties?
- b. Has the site been used for agriculture? If so, describe.
- c. Describe any structures on the site.
- d. Will any structures be demolished? If so, what?
- e. What is the current zoning classification of the site?
- f. What is the current comprehensive plan designation of the site?
- g. If applicable, what is the current shoreline master program designation of the site?
- h. Has any part of the site been classified as an “environmentally sensitive” area? If so, specify.
- i. Approximately how many people would reside or work in the completed project?
- j. Approximately how many people would the completed project displace?
- k. Proposed measures to avoid or reduce displacement impacts, if any:
- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

9. Housing

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

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

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

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?

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

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

11. Light and Glare

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

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

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

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

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?
- b. Would the proposed project displace any existing recreational uses? If so, describe.
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

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.
- b. Generally describe any landmarks or evidence of historic, archeological, scientific, or cultural importance known to be on or next to the site.
- c. Proposed measures to reduce or control impacts, if any:

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.
- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?
- c. How many parking spaces would be completed project have? How many would the project eliminate?
- 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).
- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.
- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.
- g. Proposed measures to reduce or control transportation impacts, if any:

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.

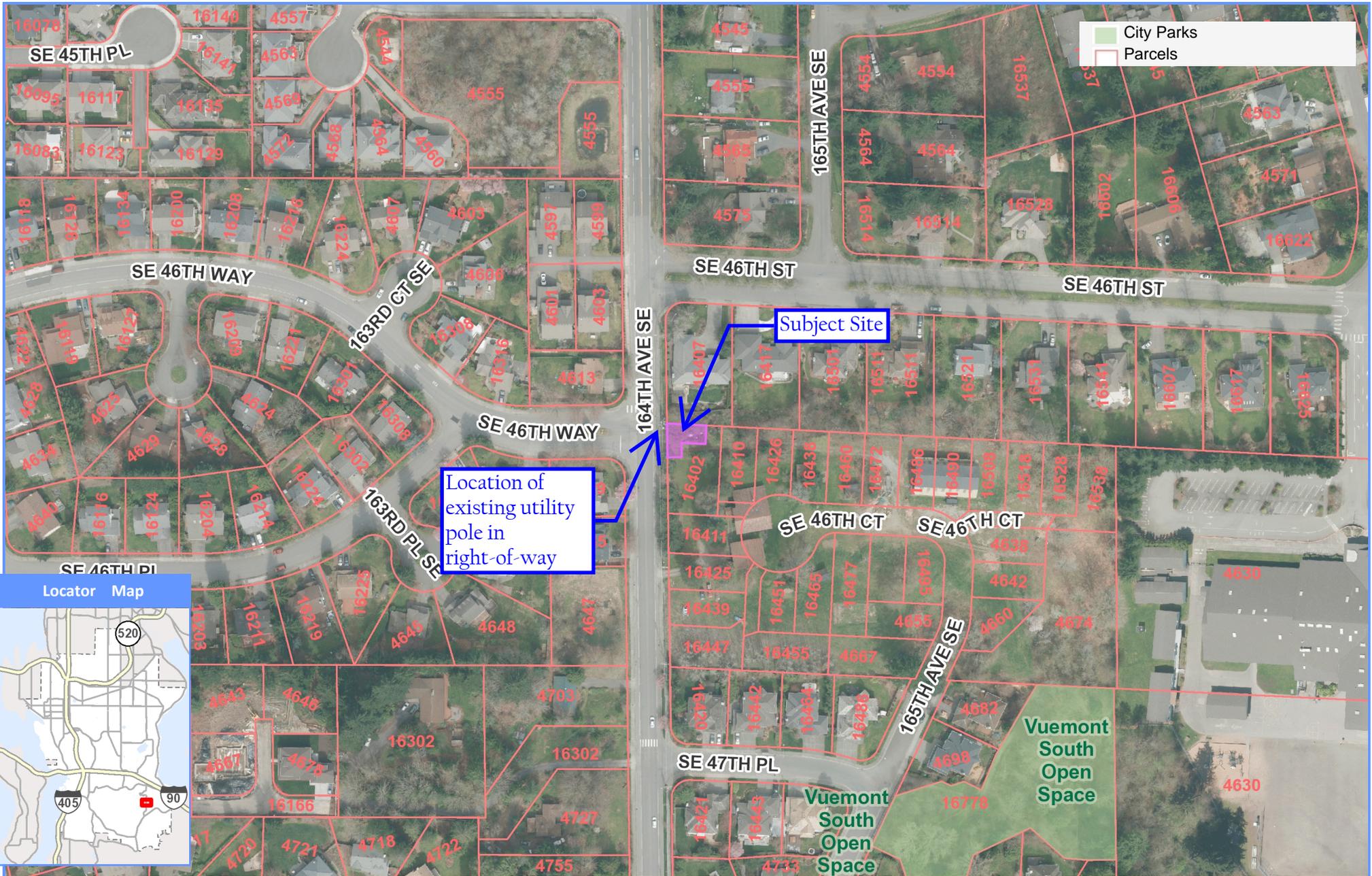
Electricity, telephone

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.
None.

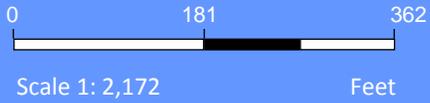
Signature

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.....3-25-2014.....



4624 164th Avenue SE



LEGAL DESCRIPTION

SUBJECT POLE LOCATED IN THE RIGHT OF WAY OF 164TH AVE SE.

EASEMENTS

△ CORRESPONDS WITH ITEM NUMBER IN 'SCHEDULE B' OF TITLE REPORT.

THE FOLLOWING EASEMENTS FROM THE REFERENCED TITLE REPORT CONTAIN SUFFICIENT INFORMATION TO BE DEPICTED ON THE PLAN. OTHER EASEMENTS OR ENCUMBRANCES, IF ANY, MAY AFFECT THE PROPERTY, BUT LACK SUFFICIENT INFORMATION TO BE SHOWN.

△ SUBJECT POLE LOCATED IN THE RIGHT OF WAY OF 164TH AVE SE.

LATITUDE/LONGITUDE POSITION

COORDINATE DATA AT CENTER OF SUBJECT POLE:
 NAD 83
 LAT - 47°33'45.61" N NAVD 88
 LONG - 122°07'16.87" W ELEV.= 710.4 FEET

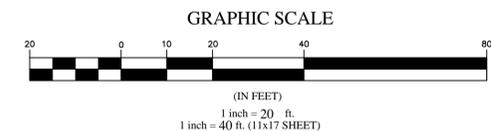


BENCHMARK IS C.O.B. SURVEY STATION # 351 (VERTICAL)

ELEVATION DERIVED USING GPS. ACCURACY MEETS OR EXCEEDS 1A STANDARDS AS DEFINED ON THE FAA ASAC INFORMATION SHEET 91:003.

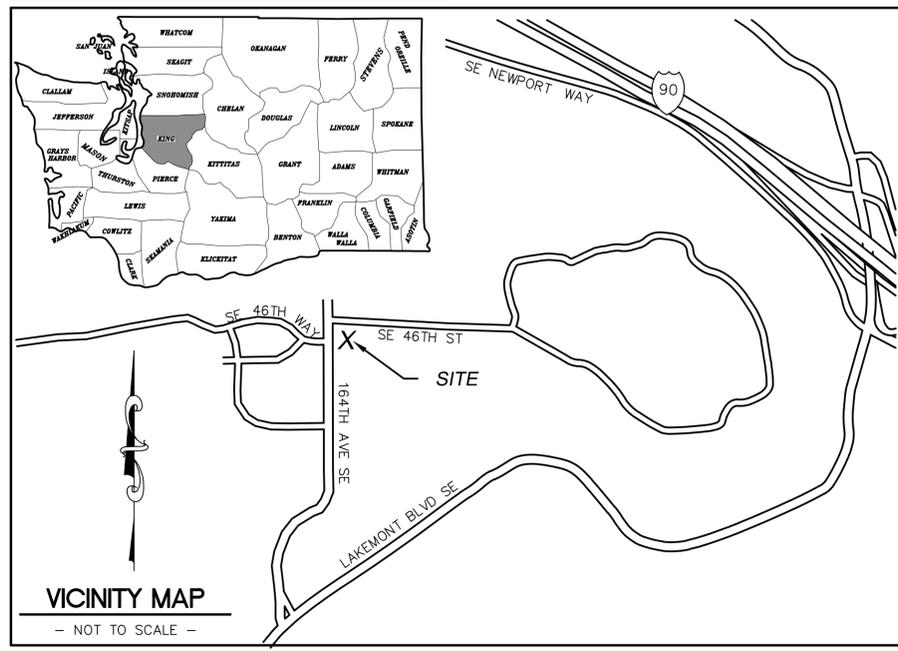
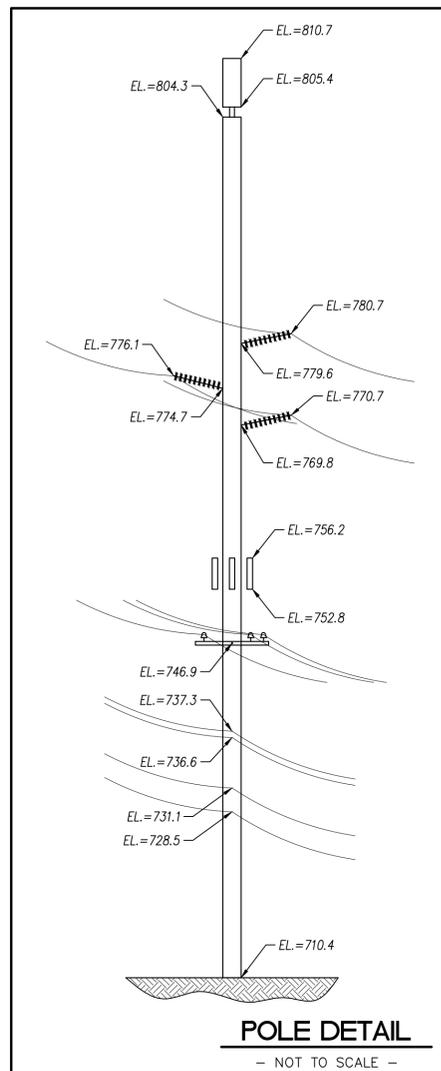
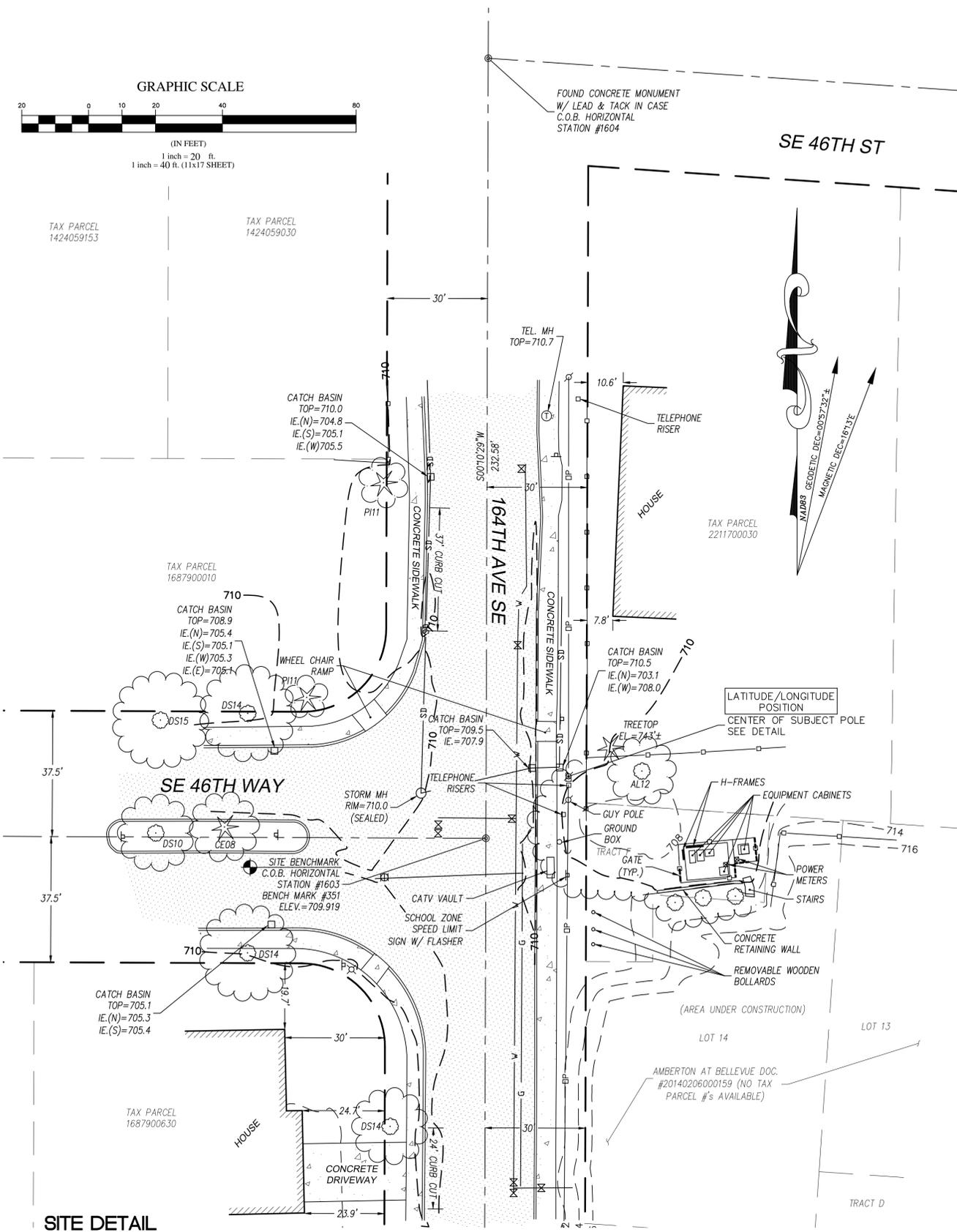
NOTES

- 1) SUBJECT POLE LOCATED IN THE RIGHT OF WAY OF 164TH AVE SE.
- 2) FIELD WORK CONDUCTED IN FEBRUARY, 2014.
- 3) BASIS OF BEARING: WASHINGTON STATE PLANE COORDINATE SYSTEM, NORTH ZONE (NAD83).
- 4) UNDERGROUND UTILITIES SHOWN HEREON, IF ANY, WERE DELINEATED FROM SURFACE EVIDENCE AND/OR UTILITY COMPANY RECORDS. CRITICAL LOCATIONS SHOULD BE VERIFIED PRIOR TO DESIGN AND CONSTRUCTION.
- 5) FEMA DESIGNATION: ZONE 'X' (AREAS DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN), PANEL 680 OF 1725, FIRM MAP NUMBER 53033C0680F, EFFECTIVE DATE MAY 16, 1995.



TAX PARCEL 1424059153

TAX PARCEL 1424059030



LEGEND

- SUBJECT BOUNDARY LINE
- - - RIGHT-OF-WAY CENTERLINE
- - - RIGHT-OF-WAY LINE
- - - ADJACENT BOUNDARY LINE
- - - SECTIONAL BREAKDOWN LINE
- DP — OVERHEAD POWER LINE
- UP — BURIED POWER LINE
- G — BURIED GAS LINE
- OT — OVERHEAD TELEPHONE LINE
- UT — BURIED TELEPHONE LINE
- V — BURIED WATER LINE
- SS — BURIED SANITARY SEWER
- SD — BURIED STORM DRAIN
- - - DITCH LINE/FLOW LINE
- ROCK RETAINING WALL
- VEGETATION LINE
- CHAIN LINK FENCE
- WOOD FENCE
- BARBED WIRE/WIRE FENCE
- △ TRANSFORMER
- ⊗ LIGHT STANDARD
- ⊠ POWER VAULT
- ⊞ UTILITY BOX
- ⊙ UTILITY POLE
- ⊖ POLE GUY WIRE
- ⊞ GAS VALVE
- ⊞ GAS METER
- ⊞ TELEPHONE VAULT
- ⊞ TELEPHONE RISER
- ⊙ FIRE HYDRANT
- ⊞ GATE VALVE
- ⊞ WATER METER
- ⊞ FIRE STAND PIPE
- ⊞ CATCH BASIN, TYPE I
- ⊞ CATCH BASIN, TYPE II
- ⊞ SIGN
- ⊞ BOLLARD
- ⊞ MAIL BOX
- ⊞ SPOT ELEVATION

TREE LEGEND

- DECIDUOUS TREE
 - AL12 — ALDER
 - MP — MAPLE
 - DS — DECIDUOUS
 - MA — MADRONA
 - OK — OAK
 - CH — CHERRY
- EVERGREEN TREE
 - CE — CEDAR
 - DF — DOUGLAS FIR
 - HE — HEMLOCK
 - PI — PINE
 - EVG — EVERGREEN

NOTE: TREE DRIP LINES ARE NOT TO SCALE. TREE SYMBOLS REFERENCE TRUNK LOCATION ONLY. TRUNK DIAMETERS WERE APPROXIMATED AT 3.5' TO 4' ABOVE GROUND LEVEL. TREES SHOWN ARE FOR REFERENCE ONLY AND OTHER TREES AND VEGETATION MAY EXIST.

SITE INFORMATION

TAX LOT NUMBER: N/A IN RIGHT-OF-WAY
 SITE ADDRESS: 4634 164TH AVE SE, ISSAQUAH, WA 98027
 SITE CONTACT: .
 PHONE NUMBER: .
 ZONING: N/A IN PUBLIC RIGHT-OF-WAY
 TOTAL LOT AREA: TO BE DETERMINED
 PROJECT AREA: TO BE DETERMINED

SURVEY REFERENCE
 1) PLAT OF COLLINGWOOD, PER BOOK 113, PAGE 65, RECORDS OF KING COUNTY.
 2) AMBERTON AT BELLEVUE, PER RECORDING NO. 20140206000159, RECORDS OF KING COUNTY.

BOUNDARY DISCLAIMER
 THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY. SUBJECT AND ADJACENT PROPERTY LINES ARE DEPICTED USING FIELD-FOUND EVIDENCE AND RECORD INFORMATION.

CAUTION!
 UNDERGROUND UTILITIES EXIST IN THE AREA AND UTILITY INFORMATION SHOWN MAY BE INCOMPLETE. STATE LAW REQUIRES THAT CONTRACTOR CONTACT THE ONE-CALL UTILITY LOCATE SERVICE AT LEAST 48 HOURS BEFORE STARTING ANY CONSTRUCTION.
 1-800-424-5555

DUNCANSON
 Company, Inc.
 145 SW 155th Street, Suite 102
 Seattle, Washington 98166
 Phone 206.244.4141
 Fax 206.244.4455

SITE
SE01914A
SOLVANG/PSE
 4634 164TH AVE SE
 ISSAQUAH, WA 98027
 KING COUNTY

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FLD. CREW:	JAR/CR
FLD. BOOK:	317/36
DRAWN BY:	LAC
JOB #:	01808.539
DATE:	02/21/14

REVISIONS

DATE	DESCRIPTION	BY

SHEET TITLE
EXISTING SITE SURVEY
SEC 13, TWP 24 N, RNG 5 E, WM

SHEET NUMBER
SV1

T-Mobile

SOLVANG/PSE

~~4634 164TH AVE SE
ISSAQUAH, WA 98027~~

4624 164th Avenue SE
Bellevue, WA

SITE NUMBER: SE01914A

LATITUDE 47.562722

LONGITUDE -122.121417



PROJECT INFORMATION:

**SOLVANG/PSE
SE01914A**

~~4634 164TH AVE SE
ISSAQUAH, WA 98027~~

ISSUED FOR:

BUILDING PERMIT

REVISION HISTORY:

NO.	DATE:	DESCRIPTION:	CHK. BY:	APPV. BY:
3	9/4/2013	UPDATE CODE COMPLIANCE, STYLE SHEET, & ADD FRP FILLER NOTE	BJT	LL
2	8/13/2012	REV PER REDLINES	BJT	KC
1	8/7/2012	ISSUED DESIGN REVIEW	BJT	KC

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 KC

LICENSURE:



EQUIPMENT:

REPLACE (E) (2) ANTENNAS W/ (2) NEW TMZXX-6516-A3M ANTENNAS. ADD (2) FXFB, (2) FRIG, (2) COVP (1 AT TOP & 1 AT BOTTOM), (12) ANDREW DIPLEXERS, (2) TWIN AWS TMA'S, (1) LMU BUNDLE CABLE & (1) HYBRID CABLE.

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"> MERGE ONTO I-405 S VIA THE RAMP ON THE LEFT TOWARD RENTON. 12.9 MILES MERGE ONTO I-90 E VIA EXIT 11 TOWARD SPOKANE. 1.5 MILES TAKE THE 150TH AVE SE EXIT-EXIT 11A- TOWARD 156TH AVE SE. 0.3 MILES TAKE THE 150TH AVE SE / SE 37TH ST RAMP. 0.2 MILES TURN RIGHT ONTO 150TH AVE SE. 0.6 MILES 150TH AVE SE BECOMES 148TH PL SE. 0.1 MILES TURN LEFT ONTO SE 45TH PL. 0.1 MILES TURN RIGHT ONTO 150TH AVE SE. 0.1 MILES TURN LEFT ONTO SE 46TH WAY. 0.5 MILES TURN LEFT TO STAY ON SE 46TH WAY. 0.4 MILES TURN RIGHT ONTO 164TH AVE SE. 0.1 MILES <p>ARRIVE AT 4634 164TH AVE SE</p> <p>DISTANCE: 17.58 MILES APPROXIMATE TRAVEL TIME: 25 MINUTES</p>	<p>CONTACT TITLE CONTACT INFORMATION</p> <p>PROPERTY OWNER: DONALD SOLVANG 4634 164TH AVE SE ISSAQUAH, WA 98027</p> <p>PROGRAM MANAGER: LEXCOM DEVELOPMENT LOUIS LEVY 615 8TH AVE S SEATTLE, WA 98104 PHONE #: 206-669-6967</p> <p>CONSTRUCTION PROJECT MANAGER: TELCOPACIFIC PAUL LONG 19807 NORTH CREEK PKWY N BOTHELL, WA 98011 PHONE #: 425-442-2839</p> <p>CONSULTING ENGINEER: B. J. THOMAS, P.E. 7607 80TH AVE NE MARYSVILLE, WA 98270 MOBILE #: 206-851-1106</p> <p>SITE ACQUISITION: LEXCOM DEVELOPMENT LEEANNE MCMANUS 615 8TH AVE S SEATTLE, WA 98104 PHONE #: 509-679-5830</p> <p>ZONING: JEFFREY SMITH 615 8TH AVE S SEATTLE, WA 98104 PHONE #: (425) 773-6884</p> <p>RF ENGINEER: T-MOBILE DARRYL SALK 19807 NORTH CREEK PKWY N BOTHELL, WA 98011 MOBILE# 425-770-0006</p>	<p>PROJECT DESCRIPTION</p> <p>T-MOBILE PROPOSES TO REPLACE EXISTING (3) ANTENNAS W/ (2) NEW TMZXX-6516-A3M ANTENNAS. ADD (2) FXFB, (2) FRIG, (2) COVP (1 AT TOP & 1 AT BOTTOM), (12) ANDREW DIPLEXERS, (2) TWIN AWS TMA'S, (1) LMU BUNDLE CABLE & (1) HYBRID CABLE. REMOVE ALL EXISTING TMA'S & DIPLEXERS.</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>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 2009 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 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>DRAWING INDEX</p> <table border="1"> <thead> <tr> <th>DWG:</th> <th>DRAWING DESCRIPTION:</th> <th>DWG:</th> <th>DRAWING DESCRIPTION:</th> </tr> </thead> <tbody> <tr> <td>T-1</td> <td>TITLE SHEET & PROJECT DATA</td> <td></td> <td></td> </tr> <tr> <td>G-1</td> <td>GENERAL NOTES</td> <td></td> <td></td> </tr> <tr> <td>A-1</td> <td>PARCEL PLAN</td> <td></td> <td></td> </tr> <tr> <td>A-1-1</td> <td>ENLARGED SITE PLAN</td> <td></td> <td></td> </tr> <tr> <td>A-2</td> <td>EXISTING SITE ELEVATION</td> <td></td> <td></td> </tr> <tr> <td>A-2-1</td> <td>PROPOSED SITE ELEVATION</td> <td></td> <td></td> </tr> <tr> <td>A-3</td> <td>GENERAL DETAILS</td> <td></td> <td></td> </tr> <tr> <td>A-4</td> <td>GENERAL DETAILS</td> <td></td> <td></td> </tr> <tr> <td>E-1</td> <td>ELECTRICAL GROUNDING PLAN</td> <td></td> <td></td> </tr> <tr> <td>E-2</td> <td>ELECTRICAL GROUNDING DETAILS</td> <td></td> <td></td> </tr> <tr> <td>RF-1</td> <td>RF DETAILS</td> <td></td> <td></td> </tr> <tr> <td>RF-2</td> <td>RF DETAILS</td> <td></td> <td></td> </tr> </tbody> </table> <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> <table border="1"> <tr> <td>LANDLORD'S REPRESENTATIVE:</td> <td>DATE:</td> </tr> <tr> <td>CONSTRUCTION MANAGER:</td> <td>DATE:</td> </tr> <tr> <td>CONSTRUCTION COORDINATOR:</td> <td>DATE:</td> </tr> <tr> <td>PROJECT MANAGER:</td> <td>DATE:</td> </tr> <tr> <td>SITE ACQUISITION:</td> <td>DATE:</td> </tr> <tr> <td>ZONING:</td> <td>DATE:</td> </tr> <tr> <td>RF ENGINEER:</td> <td>DATE:</td> </tr> </table> <p>CALL TWO WORKING DAYS BEFORE YOU DIG</p> <p>811 NATIONAL UTILITIES UNDERGROUND LOCATE</p> <p>ELECTRIC - RED SEWER - GREEN GAS/OIL - YELLOW SURVEY - PINK TELECATV - ORANGE</p> <p>PROPOSED - WHITE WATER - BLUE</p>	DWG:	DRAWING DESCRIPTION:	DWG:	DRAWING DESCRIPTION:	T-1	TITLE SHEET & PROJECT DATA			G-1	GENERAL NOTES			A-1	PARCEL PLAN			A-1-1	ENLARGED SITE PLAN			A-2	EXISTING SITE ELEVATION			A-2-1	PROPOSED SITE ELEVATION			A-3	GENERAL DETAILS			A-4	GENERAL DETAILS			E-1	ELECTRICAL GROUNDING PLAN			E-2	ELECTRICAL GROUNDING DETAILS			RF-1	RF DETAILS			RF-2	RF DETAILS			LANDLORD'S REPRESENTATIVE:	DATE:	CONSTRUCTION MANAGER:	DATE:	CONSTRUCTION COORDINATOR:	DATE:	PROJECT MANAGER:	DATE:	SITE ACQUISITION:	DATE:	ZONING:	DATE:	RF ENGINEER:	DATE:
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	<p>ZONING INFORMATION</p> <p>SITE NUMBER: SE01914A</p> <p>SITE NAME: SOLVANG/PSE</p> <p>SITE ADDRESS: 4634 164TH AVE SE ISSAQUAH, WA 98027</p> <p>PARCEL #: 1324059020</p> <p>CURRENT ZONING: R-6</p> <p>JURISDICTION: KING COUNTY</p> <p>GOVERNING CODE: 2012 IBC</p> <p>BUILDING TYPE: --</p> <p>SITE TYPE: UNSTAFFED TELECOMM FACILITY</p> <p>PREVIOUS PERMIT APPROVALS: B99C3053</p> <p>UTILITY PURVEYOR</p> <p>POWER COMPANY: PSE</p> <p>TELCO COMPANY: CENTURYLINK</p> <p>LEGAL DESCRIPTION</p> <p>ABBREVIATED PER ASSESSOR RECORDS: W 1/2 OF S 1/2 OF N 1/2 OF SW 1/4 OF SW 1/4 LESS CO RD</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.

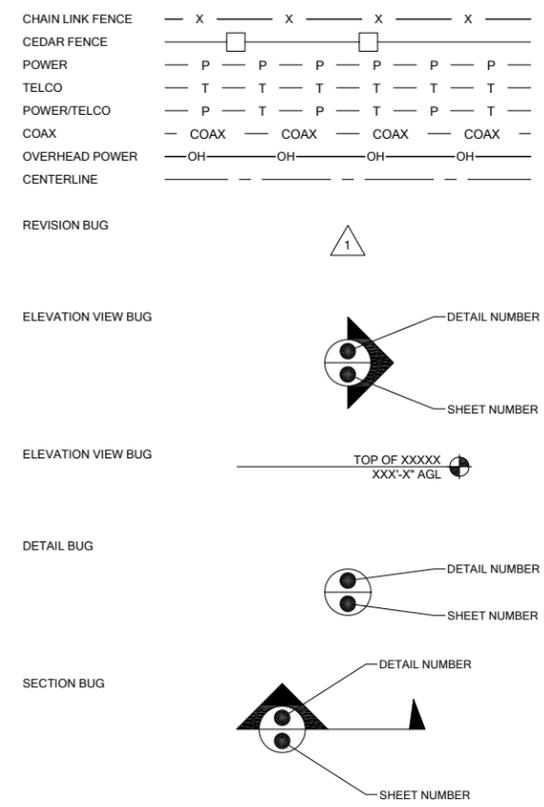
CONCRETE NOTES:

- 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 MATER; 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	LINEAL FOOT	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	PROPOSED	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 / Ø	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



PROJECT INFORMATION:

**SOLVANG/PSE
SE01914A**

~~4694-164TH AVE SE~~
~~ISSAQUAH, WA 98027~~

ISSUED FOR:

BUILDING PERMIT

REVISION HISTORY:

NO.	DATE:	DESCRIPTION:	CHK. BY:	APPV. BY:
3	9/4/2013	UPDATE CODE COMPLIANCE, STYLE SHEET, & ADD FRP FILLER NOTE	BJT	LL
2	8/13/2012	REV PER REDLINES	BJT	KC
1	8/7/2012	ISSUED DESIGN REVIEW	BJT	KC

PLANS PREPARED BY:

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

DRAWN BY: JL **CHK. BY: BJ** **APPV. BY: KC**

LICENSURE:

EQUIPMENT:

REPLACE (E) (2) ANTENNAS W/ (2) NEW TMZXXX-6516-A3M ANTENNAS. ADD (2) FXFB, (2) FRIG, (2) COVP (1 AT TOP & 1 AT BOTTOM), (8) ANDREW DIPLEXERS, (2) TWIN AWS TMA'S, (1) LMU BUNDLE CABLE & (1) HYBRID CABLE.

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:

GENERAL NOTES

DRAWING NUMBER:

G-1

PROJECT INFORMATION:

**SOLVANG/PSE
SE01914A**

~~4634 164TH AVE SE~~
~~ISSAQUAH, WA 98027~~

ISSUED FOR:

BUILDING PERMIT

REVISION HISTORY:

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B. J. THOMAS, P.E.
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MARYSVILLE, WA 98270
206-851-1106

DRAWN BY: CHK. BY: APPV. BY:

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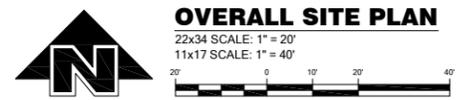
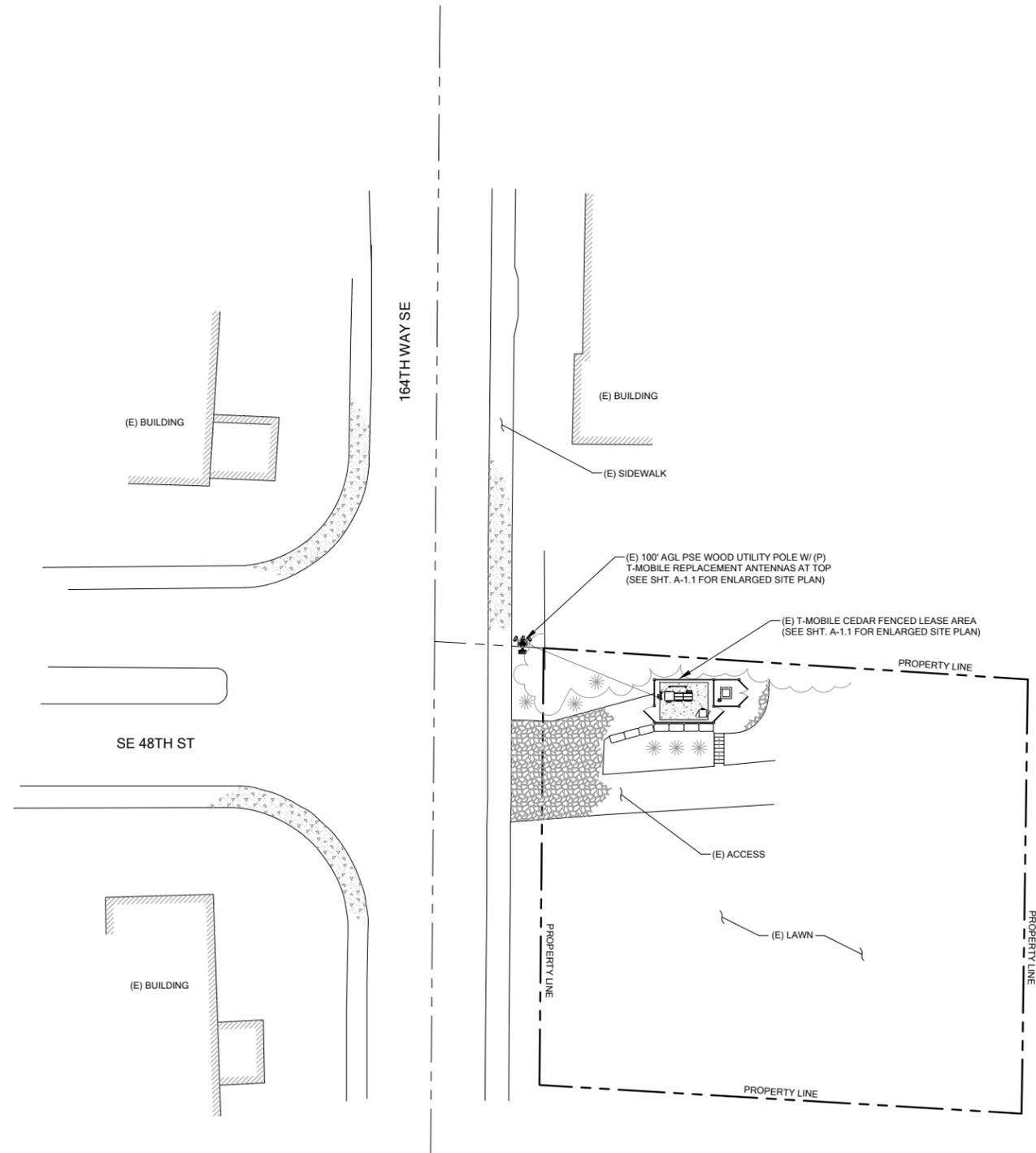
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DRAWING TITLE:

SITE PLAN

DRAWING NUMBER:

A-1



PROJECT INFORMATION:

**SOLVANG/PSE
SE01914A**

**4634 104TH AVE SE
ISSAQUAH, WA 98027**

ISSUED FOR:

BUILDING PERMIT

REVISION HISTORY:

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DRAWING TITLE:

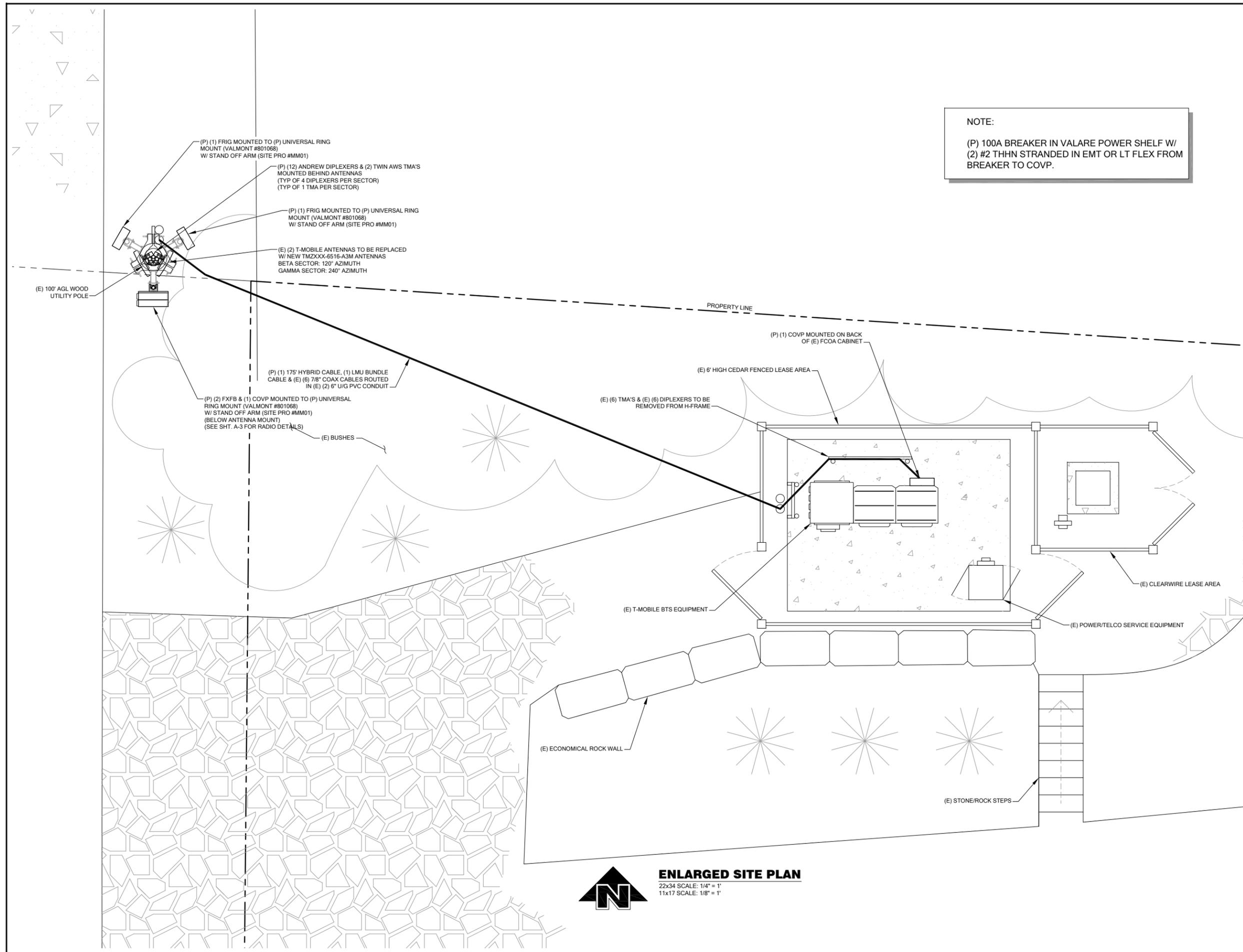
**ENLARGED
SITE PLAN**

DRAWING NUMBER:

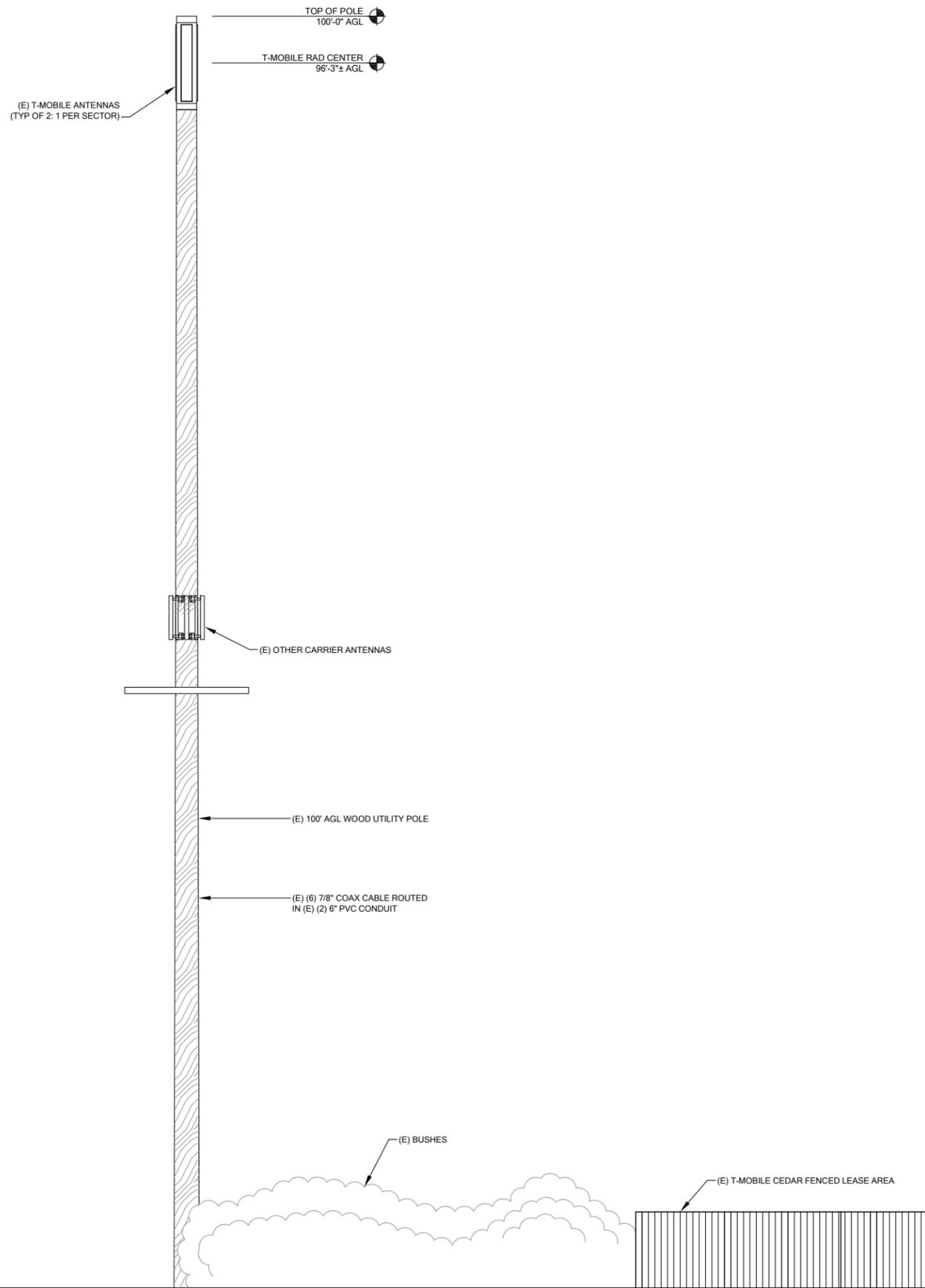
A-1.1

NOTE:

(P) 100A BREAKER IN VALARE POWER SHELF W/
(2) #2 THHN STRANDED IN EMT OR LT FLEX FROM
BREAKER TO COVP.



ENLARGED SITE PLAN
 22x34 SCALE: 1/4" = 1'
 11x17 SCALE: 1/8" = 1'



1 EXISTING SOUTH ELEVATION
A-2 SCALE: NTS



PROJECT INFORMATION:

**SOLVANG/PSE
SE01914A**
**4694-164TH AVE SE
ISSAQUAH, WA 98027**

ISSUED FOR:

BUILDING PERMIT

REVISION HISTORY:

NO.	DATE:	DESCRIPTION:	CHK. BY:	APPV. BY:
3	9/4/2013	UPDATE CODE COMPLIANCE, STYLE SHEET, & ADD FRP FILLER NOTE	BJT	LL
2	8/13/2012	REV PER REDLINES	BJT	KC
1	8/7/2012	ISSUED DESIGN REVIEW	BJT	KC

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 KC

LICENSURE:



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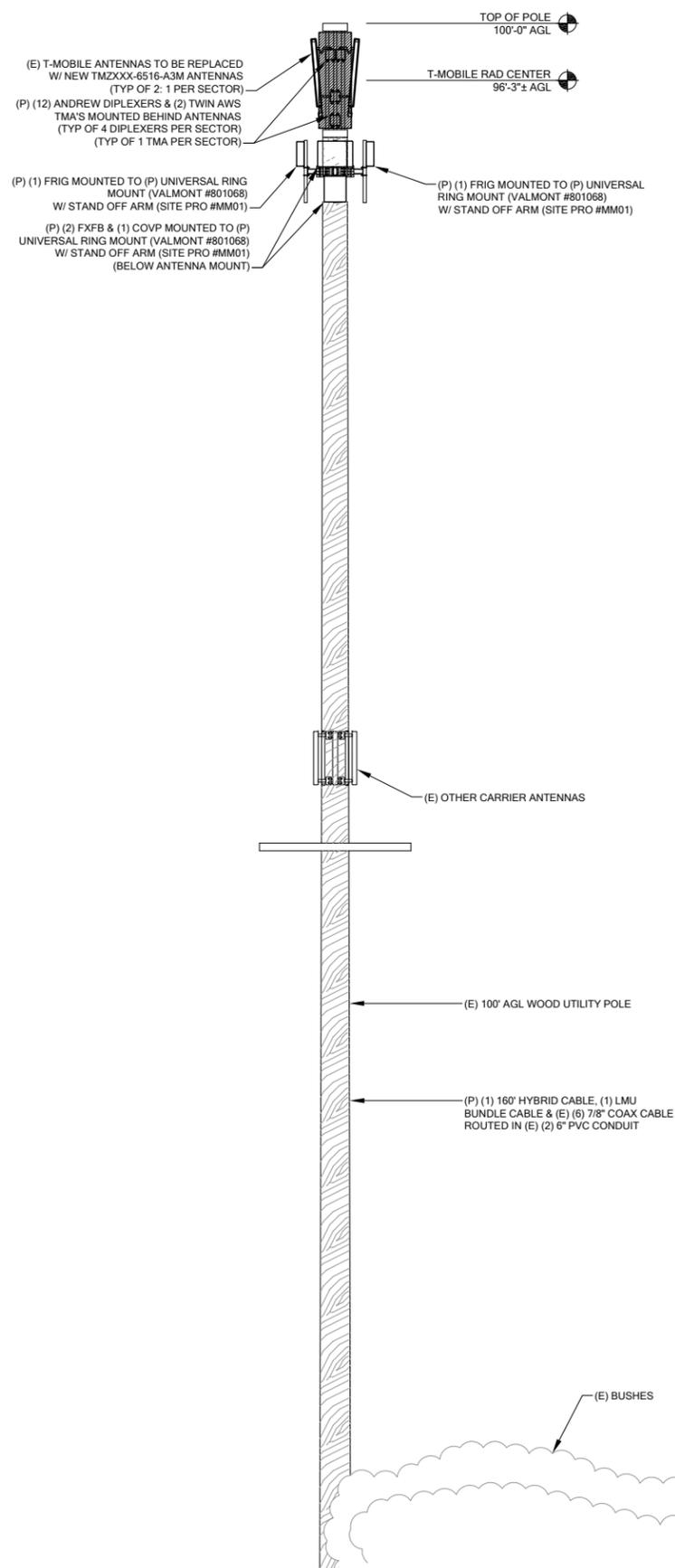
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DRAWING TITLE:

EXISTING SITE ELEVATION

DRAWING NUMBER:

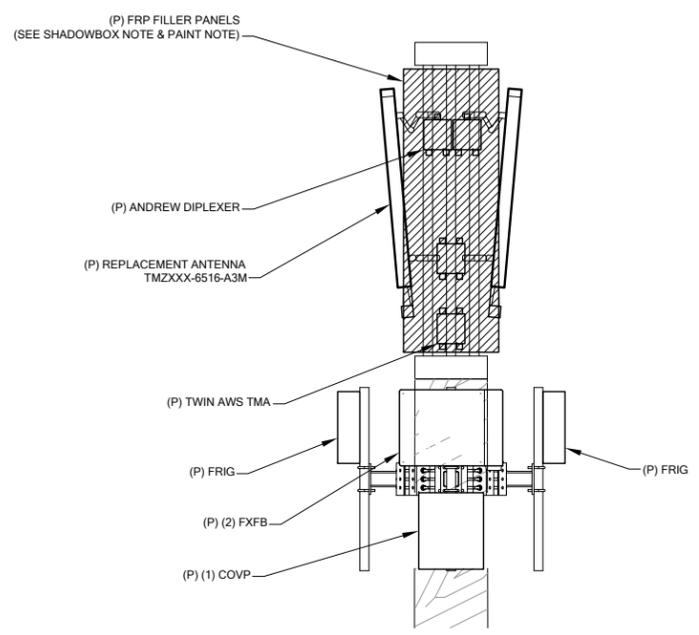
A-2



1
A-2.1 **PROPOSED SOUTH ELEVATION**
SCALE: NTS

PAINT NOTE:
ALL PROPOSED ANTENNAS/EQUIPMENT, FRP FILLER, AND ATTACHMENTS SHALL BE PAINTED TO MATCH (E) WOOD UTILITY POLE.

NOTE:
CONTRACTOR TO PROVIDE FRP FILLER PANEL BETWEEN ANTENNAS.



2
A-2.1 **ENLARGED DETAILS**
SCALE: NTS



PROJECT INFORMATION:

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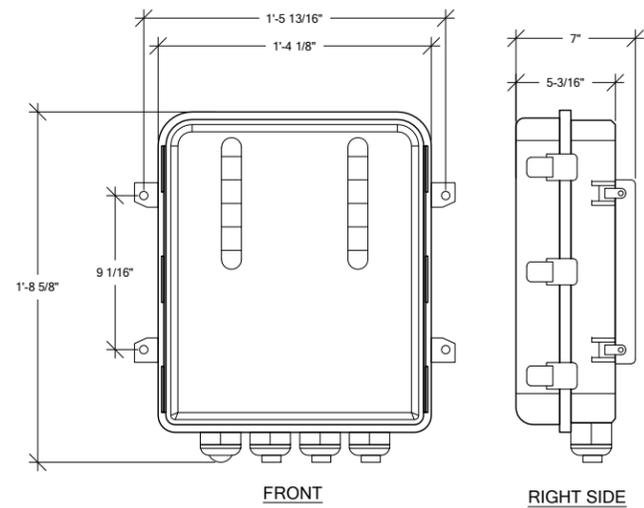
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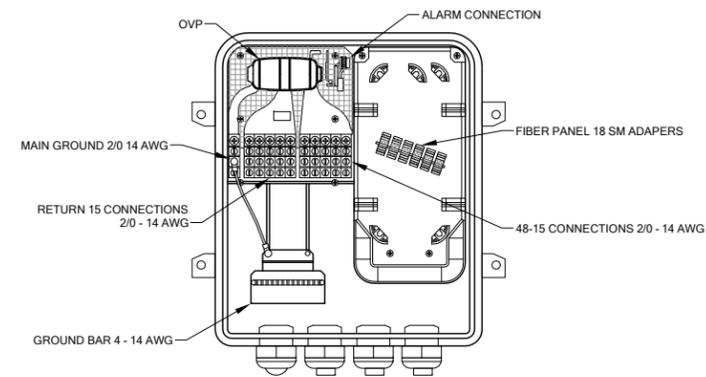
**PROPOSED SITE
ELEVATION**

DRAWING NUMBER:

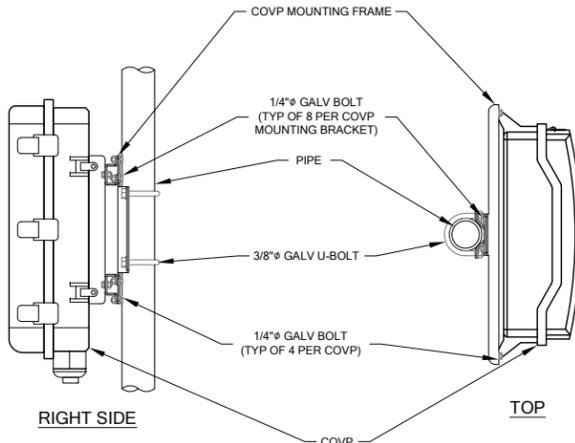
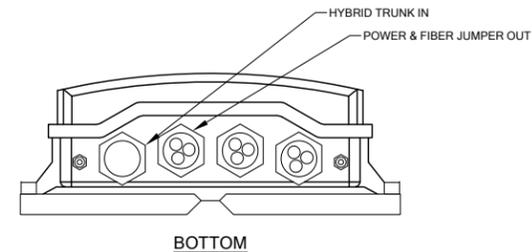
A-2.1



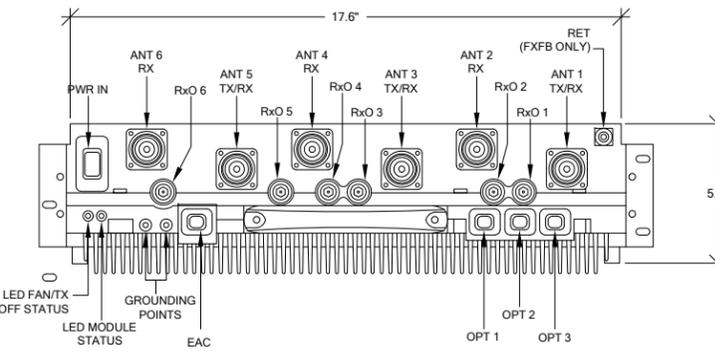
1 RAYCAP COVP DETAIL
A-3 SCALE: NTS



3 COVP INTERIOR DETAIL
A-3 SCALE: NTS



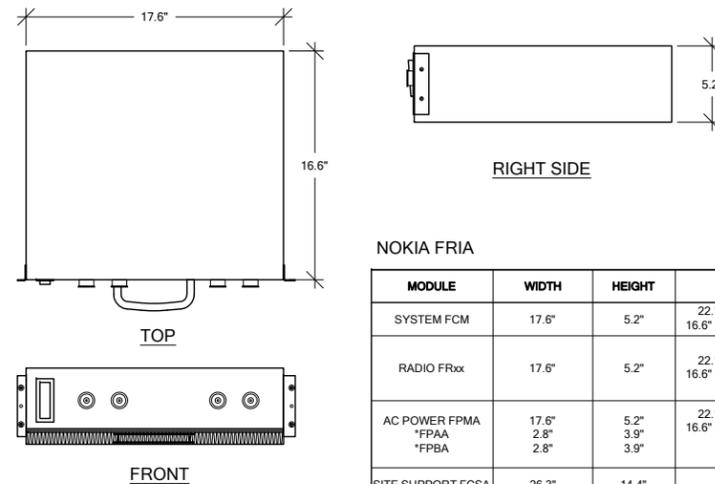
4 COVP MOUNTING DETAIL
A-3 SCALE: NTS



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)



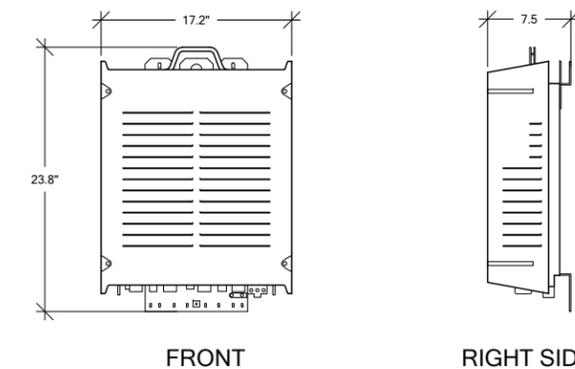
NOKIA FRIA

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 FCSCA *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 FRIA DETAIL
A-3 SCALE: NTS

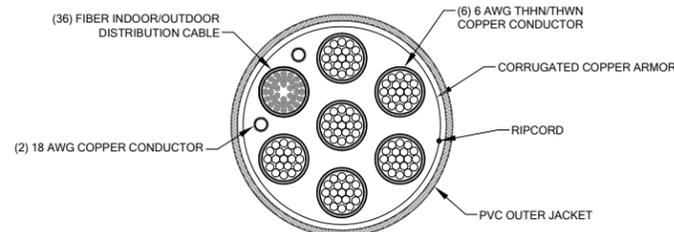
DIMENSIONS (WxHxD) W/ SOLAR COVER & MOUNTING	17.2" x 23.8" x 7.5"
FRIG UNIT WEIGHT	24.0 kg / 25.9 lbs
SOLAR SHIELD WEIGHT	1.2 kg / 2.6 lbs
MOUNTING BRACKET WEIGHT	0.7 kg / 1.5 lbs
TOTAL WEIGHT	25.9 kg / 57 lbs

NOTE:
FRIG TO BE MOUNTED VERTICALLY ONLY.



7 FRIG DETAIL
A-3 SCALE: NTS

HYBRID CABLE		
STRUCTURE	# OF CABLES	LENGTH
UTILITY POLE	1	175'



6 HYBRID CABLE DETAIL
A-3 SCALE: NTS



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DRAWING TITLE:

GENERAL DETAILS

DRAWING NUMBER:

A-3

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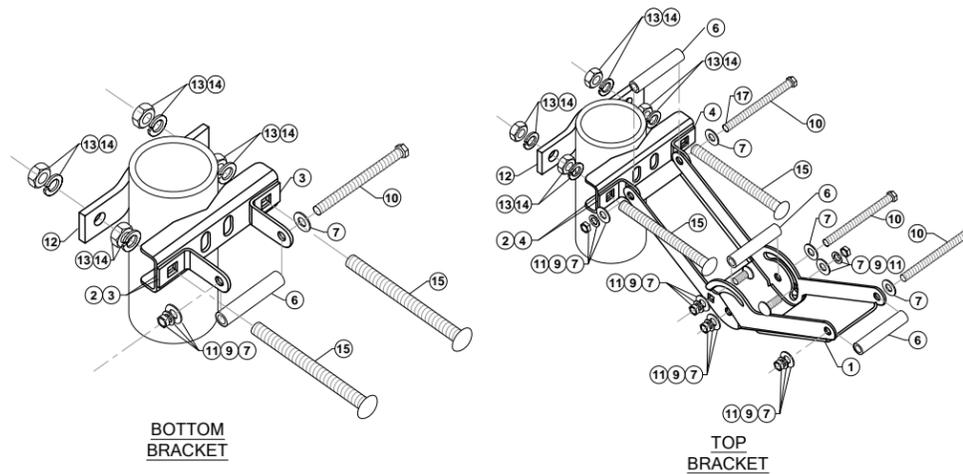
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GENERAL DETAILS

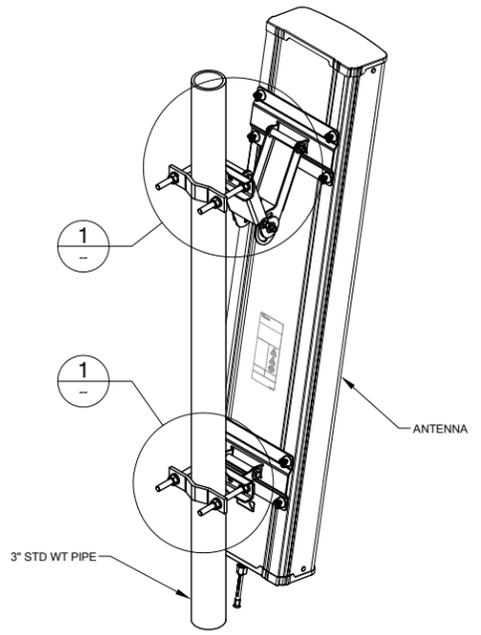
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A-4

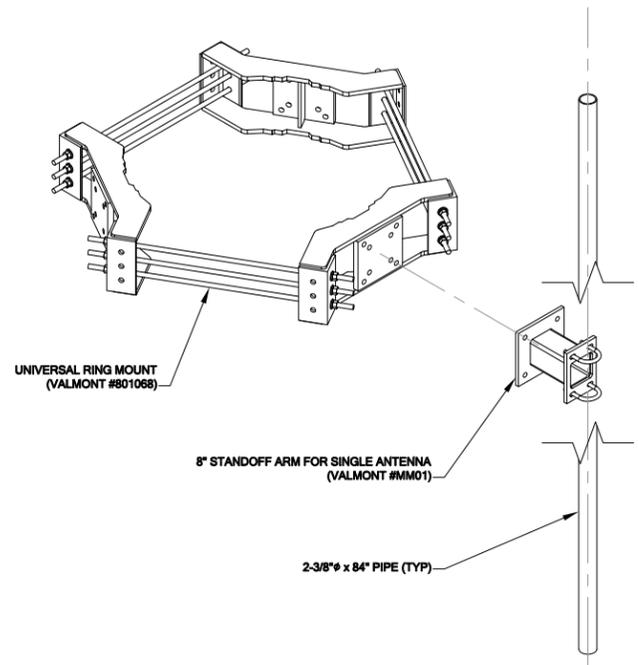
PARTS LIST			
ITEM #	QUANTITY	PART NUMBER	DESCRIPTION
1	2	601257	ANGLE ARM
2	2	601256	MOUNTING CLAMP
3	2	601235-1	BRACKET
4	2	601235-2	BRACKET
5	1	601258	LABEL, ANGLE
6	4	600679-3	SPACER TUBE
7	14	100525-24	ME FLAT WASHER (STAINLESS STEEL)
8	2	600419-8	M8x1.25x25mm LARGE CARRIAGE BOLT (STAINLESS STEEL)
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



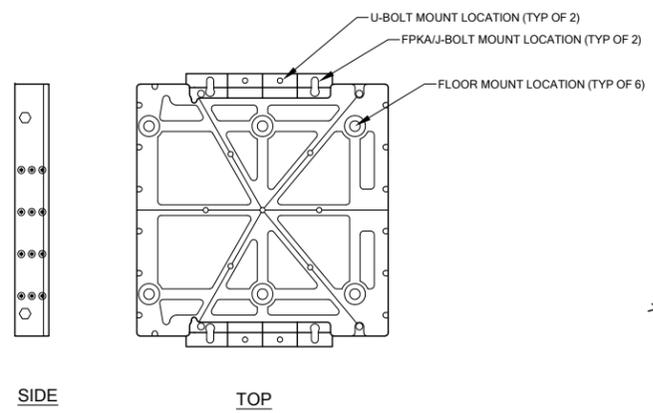
1 ANTENNA BRACKET ATTACHMENT DETAIL
SCALE: NTS



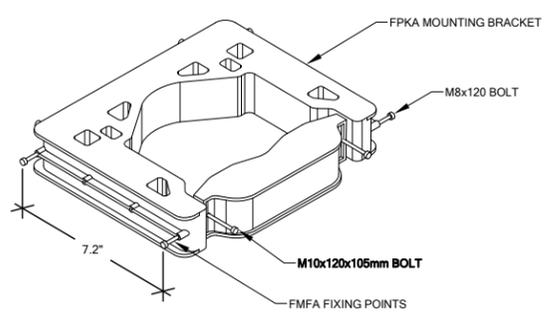
2 ANTENNA ATTACHMENT DETAIL
SCALE: NTS



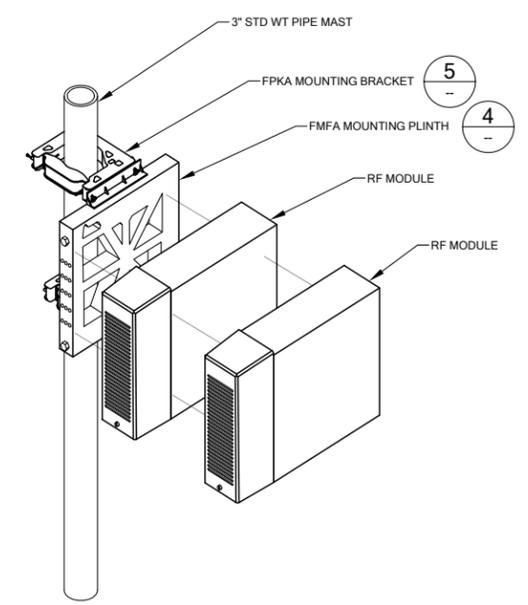
3 UNIVERSAL RING MOUNT & 8" STANDOFF DETAIL
SCALE: NTS



4 FMFA DETAIL
SCALE: NTS



5 FPKA DETAIL
SCALE: NTS



6 RRU MOUNTING DETAIL
SCALE: NTS

PROJECT INFORMATION:

**SOLVANG/PSE
SE01914A**

**4634 164TH AVE SE
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MARYSVILLE, WA 98270
206-851-1106**

DRAWN BY: CHK. BY: APPV. BY:

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KC

LICENSURE:



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DRAWING TITLE:

**ELECTRICAL
GROUNDING PLAN**

DRAWING NUMBER:

E-1

SYMBOL LEGEND:

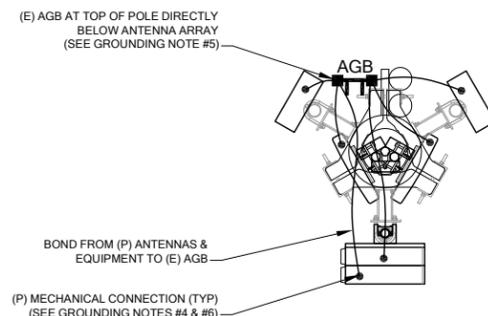
- MGB
TT MASTER GROUND BAR 1/4"x4"x24" COPPER
- AGB
TT ACCESSORY GROUND BAR 1/4"x4"x12" OR 1/4"x4"x20" COPPER
- EXPOSED WIRING
- - - - UNDERGROUND WIRING
- CADWELD
- MECHANICAL CONNECTION
- 5/8"x8" COPPER CLAD STEEL GROUND ROD
- ⊙ INSPECTION PORT
- ■ - EXOTHERMIC (CADWELD) BELOW GROUND
- ⊥ GROUND

GROUNDING NOTES:

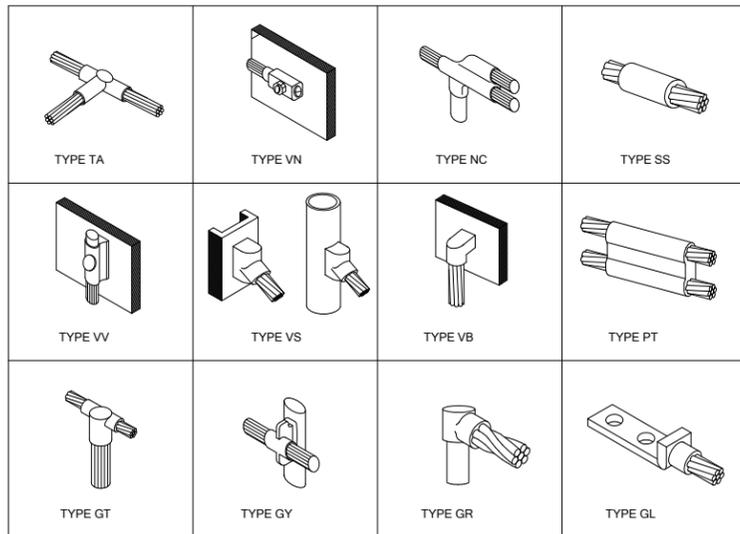
- GROUNDING SHALL COMPLY WITH LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
- MINIMUM BENDING RADIUS FOR GROUND CONDUCTOR IS 8".
- NO SPLICES PERMITTED IN GROUND CONDUCTORS.
- ALL GROUNDING CONNECTORS TO BE CLEAN AND FREE OF PAINT AT THEIR MATING SURFACES AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. USE PENETROX OR EQUIVALENT ANTIOXIDANT GREASE.
- 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.
- ENSURE ALL MECHANICAL CONNECTORS ARE TORQUED TO THE MANUFACTURER'S SPECIFIED VALUES.
- MULTIPLE BONDS ON GROUND RODS TO BE SEPARATED BY ATLEAST 6".
- MAXIMUM RESISTANCE OF THE COMPLETED GROUND SYSTEM SHALL NOT EXCEED A RESISTANCE OF 5 OHMS TO EARTH.
- GROUND WIRES SHALL NOT BE INSTALLED THROUGH HOLES IN ANY METAL OBJECTS OR SUPPORTS; TO PRECLUDE ESTABLISHING A "CHOKE" POINT.
- GROUND BARS SHALL NOT BE FIELD MODIFIED.
- GROUND RING BURIAL DEPTH SHALL BE 30".
- 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:

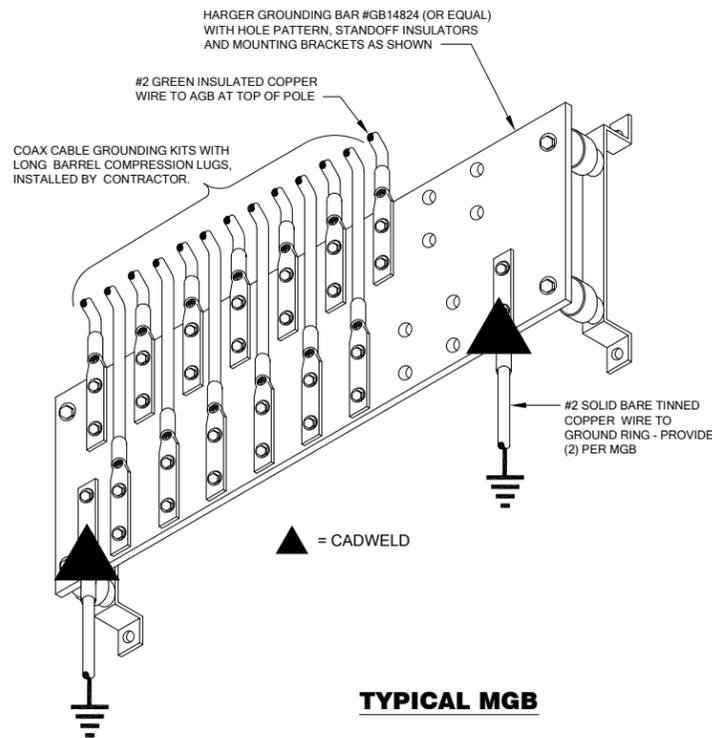
GROUND HYBRID CABLE TOP & BOTTOM USING UNIVERSAL 1-5/8" GROUNDING STRAP, PART #252172



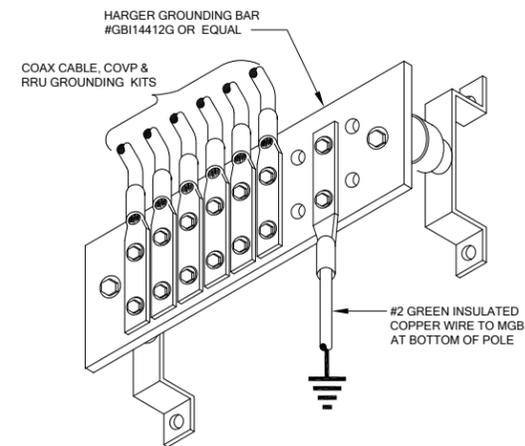
1 ELECTRICAL GROUNDING PLAN
E-1
22x34 SCALE: 1/2" = 1'
11x17 SCALE: 1/4" = 1'



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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GROUNDING
DETAILS**

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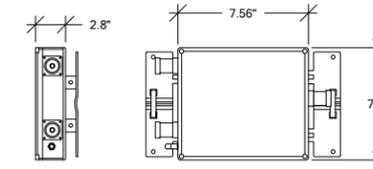
E-2

SITE LOADING CHART

SECTOR	ANTENNA MODEL #	VENDOR	AZIMUTH (TN)	MECHANICAL DOWNTILT	ELECTRICAL DOWNTILT	RADIATION CENTER	HYBRID CABLE LENGTH	COAX CABLE
BETA	TMZXXX-6516-A3M	ANDREW	120°	TBD	TBD	96'-3" AGL		(2) 7/8"
GAMMA	TMZXXX-6516-A3M	ANDREW	240°	TBD	TBD	96'-3" AGL	175'	(2) 7/8"
ALPHA								(2) 7/8"

ANTENNA AND COAX GENERAL NOTES:

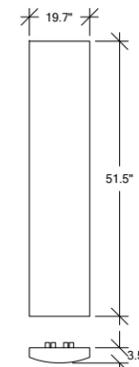
- ALL ANTENNA AND COAXIAL ANTENNA CABLE TO BE FURNISHED BY T-MOBILE AND INSTALLED BY CONTRACTOR.
- COAX COLOR CODING: ANTENNAS TO BE NUMBERED IN A CLOCKWISE MANNER FROM TRUE NORTH AND COLOR CODED AS FOLLOWS:
- THE ABOVE COAX COLOR CODING APPLIES TO SECTORIZED SITES. FOR OMNI SITES, USE THE AT0, BT0, & 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.



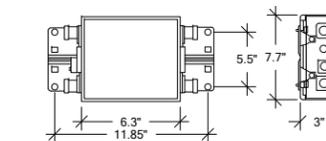
CROSSBAND COUPLER- PCS/AWS "DIPLEXER"				
MECHANICAL SPECIFICATIONS:				
PART #	LENGTH	WIDTH	DEPTH	WEIGHT
ECC1920-VPU8	7.56" (192mm)	7.32" (186mm)	2.8" (72mm)	3.6 kg (7.9 lb)
CONNECTORS	MOUNTING CONNECTOR			
TYPE "RF"	7-16 DIN FEMALE			
ELECTRICAL SPECIFICATIONS:				
FREQUENCY				POWER HANDLING
1710-1755 MHz / 2110-2155 MHz				7-30 Vdc

SCOPE OF WORK:

- (2) TMZXXX-6516-A3M ANTENNAS
- ADD (1) TWIN AWS TMA PER SECTOR
- ADD (4) ANDREW DIPLEXERS PER SECTOR
- (2) FXFB & (2) FRIG
- (1) HCS & (2) COVP'S
- (1) LMU BUNDLE CABLE
- TOTAL OF (6) COAX CABLES REMAIN (IF POSSIBLE)
- REMOVE ALL EXISTING TMA'S
- REMOVE ALL EXISTING DIPLEXERS



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			



AWS WITH AISG TMA DATA				
MECHANICAL SPECIFICATIONS:				
PART #	LENGTH	WIDTH	DEPTH	WEIGHT
ETW200VS12UB	6.3" (160mm)	7.7" (196mm)	3" (78mm)	5 kg (11 lb)
CONNECTORS	MOUNTING CONNECTOR			
TYPE "LONG NECK"	7-16 DIN FEMALE			
AWS FULL BAND TWIN AISG TMA WITH VSWR ALARM				
ELECTRICAL SPECIFICATIONS:				
FREQUENCY				POWER HANDLING
AWS (1850-1910 MHz)				12 dB ± 6
				7-30 Vdc

UL & DL FREQUENCIES FOR SEATTLE MARKET:

PCS:

UL: 1885 - 1895 MHz, 1900 - 1905 MHz

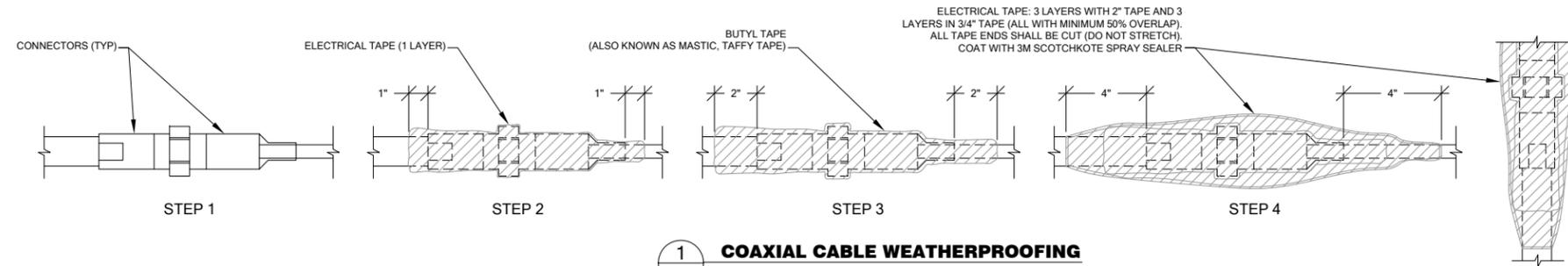
DL: 1965 - 1975 MHz, 1980 - 1985 MHz

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.
 - COLORS 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.



1 COAXIAL CABLE WEATHERPROOFING
SCALE: NTS



PROJECT INFORMATION:

**SOLVANG/PSE
SE01914A**

**4634-164TH AVE SE
ISSAQUAH, WA 98027**

ISSUED FOR:

BUILDING PERMIT

REVISION HISTORY:

NO.	DATE:	DESCRIPTION:	CHK. BY:	APPV. BY:
3	9/4/2013	UPDATE CODE COMPLIANCE, STYLE SHEET, & ADD FRP FILLER NOTE	BJT	LL
2	8/13/2012	REV PER REDLINES	BJT	KC
1	8/7/2012	ISSUED DESIGN REVIEW	BJT	KC

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 KC

LICENSURE:



EQUIPMENT:

REPLACE (E) (2) ANTENNAS W/ (2) NEW TMZXXX-6516-A3M ANTENNAS. ADD (2) FXFB, (2) FRIG, (2) COVP (1 AT TOP & 1 AT BOTTOM), (8) ANDREW DIPLEXERS, (2) TWIN AWS TMA'S, (1) LMU BUNDLE CABLE & (1) HYBRID CABLE.

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

PROJECT INFORMATION:

**SOLVANG/PSE
SE01914A**

~~4634 164TH AVE SE
ISSAQUAH, WA 98027~~

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DRAWING TITLE:

RF DETAILS

DRAWING NUMBER:

RF-2

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

