City of Bellevue

Memorandum

DATE: September 22, 2014

TO: East Bellevue Community Council

FROM: Carol Orr, Assistant Planner

SUBJECT: Courtesy Hearing on Administrative Conditional Use Permit Relating to the Modification of an Existing Wireless Facility
Application # 14-138304-LA
13601 SE 10th St.

We would like to bring to your attention an application for a modification to an existing wireless facility under the Administrative Conditional Use process.

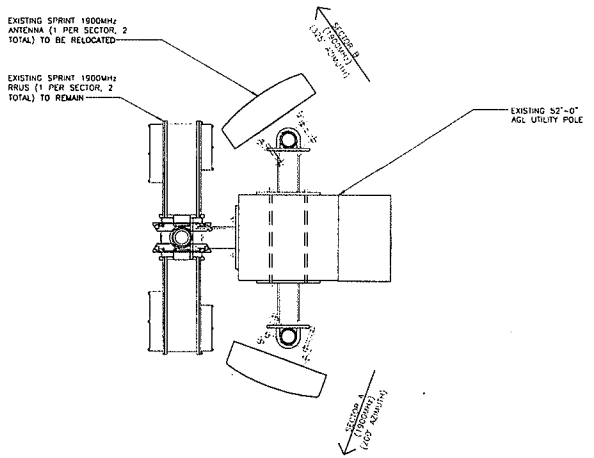
The applicant is proposing to add two additional antennae and two remote radio heads to an existing utility pole located within the Puget Sound Power and Light easement. This easement crosses the residentially zoned lot located at 13601 SE 10th Street. The utility pole is already in use for wireless communication antennae.

The Administrative Conditional Use Permit is a mechanism by which the City may require special conditions on development in order to ensure that the proposed uses or activities are compatible with other uses in the same land use district, and in the vicinity of the subject property. The proposal does not include any additional at grade equipment, nor any height increase to the existing pole. Please see attached application and plans.

The site is adjacent to the Lake Hills Connector as well as SE 10th Street. There is a significant amount of vegetation adjacent to the site, so the visual impacts of the proposed work should be minimal.

The parcel is rectangular in shape and currently contains a single family home on the eastern side of the lot. The site is zoned Residential Low Density (R-1.8). There are some slopes on site that may meet the definition of a steep slope critical area, but the proposal will not create any additional ground disturbance. The addition of two more antennae at a distance greater than 6" from the support structure requires that the proposal be reviewed using the Administrative Conditional Use Process.

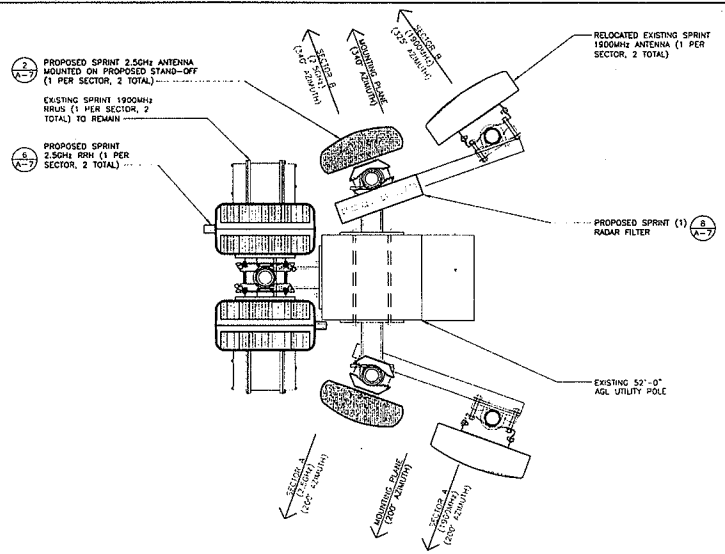
Attachments:
- Plans
- Photo-simulation
- Vicinity Map
- Zoning Map



24"x36" SCALE: 1-1/2" = 1'-0"
11"x17" SCALE: 3/4" = 1'-0"

EXISTING ANTENNA PLAN | 1

NOT USED | 2



24"x36" SCALE: 1-1/2" = 1'-0"
11"x17" SCALE: 3/4" = 1'-0"

PROPOSED ANTENNA PLAN | 3

NOTES & PROPOSED ANTENNA SCHEDULE | 4

NOTE:
STRUCTURAL ANALYSIS MUST BE PREFORMED ON ALL ROOFTOPS, FLAGPOLES AND TOWER SITES BEFORE INSTALLATION OF NEW ANTENNAS, NEW RRHS, & NEW CABINETS/TEMPORARY PLATFORM. STRUCTURAL ANALYSIS PROVIDED BY A REGISTERED STRUCTURAL ENGINEER.

NOTE:
EXISTING ANTENNAS ARE CDMA UNLESS NOTED OTHERWISE.

NEW SPRINT ANTENNAS INCLUDE RESPECTIVE RRH'S WHICH SHALL BE MOUNTED ON THE PIPE BEHIND THE ANTENNA SIMILAR TO THAT SHOWN ON MOUNTING DETAIL

FIELD VERIFY EXISTING AZIMUTH BEFORE RELOCATING THE ANTENNA, IF REQUIRED. PRIOR APPROVAL FROM SPRINT TO BE GRANTED BEFORE RELOCATION OF ANTENNAS.

NOTES:
ALL AZIMUTHS ARE TO BE ESTABLISHED CLOCKWISE FROM THE TRUE NORTH HEADING. CONTRACTOR SHALL VERIFY NEW ANTENNA RAD CENTER AND ORIENTATIONS WITH SPRINT PCS PRIOR TO INSTALLATION OF ANTENNAS. PRIOR TO ATTACHING ANTENNAS AND MOUNTING SECTIONS, EXISTING TOWER AND TOWER FOUNDATION MUST BE ANALYZED BY A LICENSED STRUCTURAL ENGINEER TO VERIFY TOWER IS CAPABLE OF SUPPORTING THE NEW LOADS. REFER TO STRUCTURAL ANALYSIS BY OTHERS. CONTRACTOR SHALL REFER TO TOWER STRUCTURAL CALCULATIONS FOR ADDITIONAL LOADS. NO ERECTION OF MODIFICATION OF TOWER SHALL BE MADE WITHOUT APPROVAL OF STRUCTURAL ENGINEER.

PROPOSED RRH / HYBRID CABLE SCHEDULE

SECTOR	RRH MODEL	RRH QUANTITY	RRH FREQ.	HYBRID CABLE LENGTH	HYBRID CABLE DIAMETER	JUMPER SIZE	JUMPER LENGTH	RET LENGTH	RET CABLE MANUFACTURER	RET CABLE MODEL NUMBER
ALPHA	RRH-V3	(1) PER SECTOR	2.5 GHz	24'-0"	N/A	1/2"	6'	9.8'	COMMSCOPE	ATCB-B01-006
BETA	RRH-V3	(1) PER SECTOR	2.5 GHz	24'-0"	N/A	1/2"	6'	9.8'	COMMSCOPE	ATCB-B01-006

PROPOSED ANTENNA SCHEDULE

SECTOR	ANTENNA FREQUENCY	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA QUANTITY	AZIMUTH	RAD CENTER	ANT. SIZE	ELEC. TILT	MECH. TILT
ALPHA	2.5 GHz	KMW	ET-X-WM-18-65-8P	(1) PER SECTOR	200°	20'-0"	61.0"	-2°	0°
BETA	2.5 GHz	KMW	ET-X-WM-18-65-8P	(1) PER SECTOR	340°	20'-0"	61.0"	-2°	0°

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

Sprint

PACIFIC TELECOM SERVICES, LLC
506 2ND AVENUE, SUITE 210
SEATTLE, WA 98104

PROJECT INFORMATION:

SODAS-SCHULZ

SE73XC030
13601 SE 10TH ST
BELLEVUE, WA 98005
KING COUNTY

ISSUE DATE: 07-24-2014

ISSUED FOR: CONSTRUCTION DWGS

REVISIONS

REV.	DATE	DESCRIPTION	INITIALS
A	01/28/14	ISSUED FOR 90% CONSTRUCTION	CBK
0	02/03/14	ISSUED FOR 100% CONSTRUCTION	CBK
1	07/24/14	REVISED FINAL CONSTRUCTION	PHD

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

LICENSURE:

4072 REGISTERED ARCHITECT

SHEET TITLE:
ANTENNA PLANS AND SCHEDULES

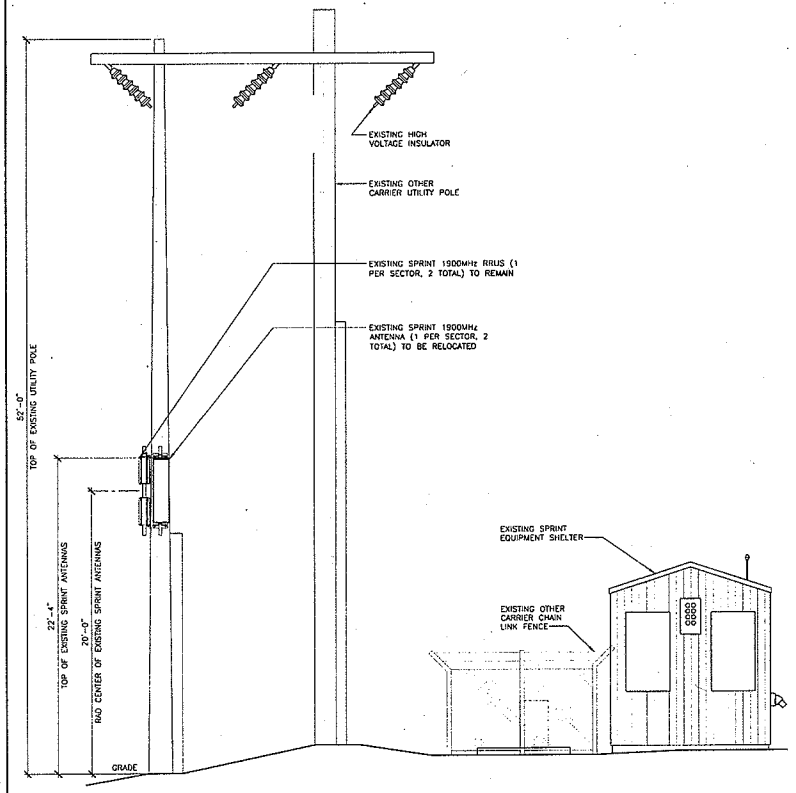
SHEET NUMBER: A-4

REVISION: 1

SE73XC030

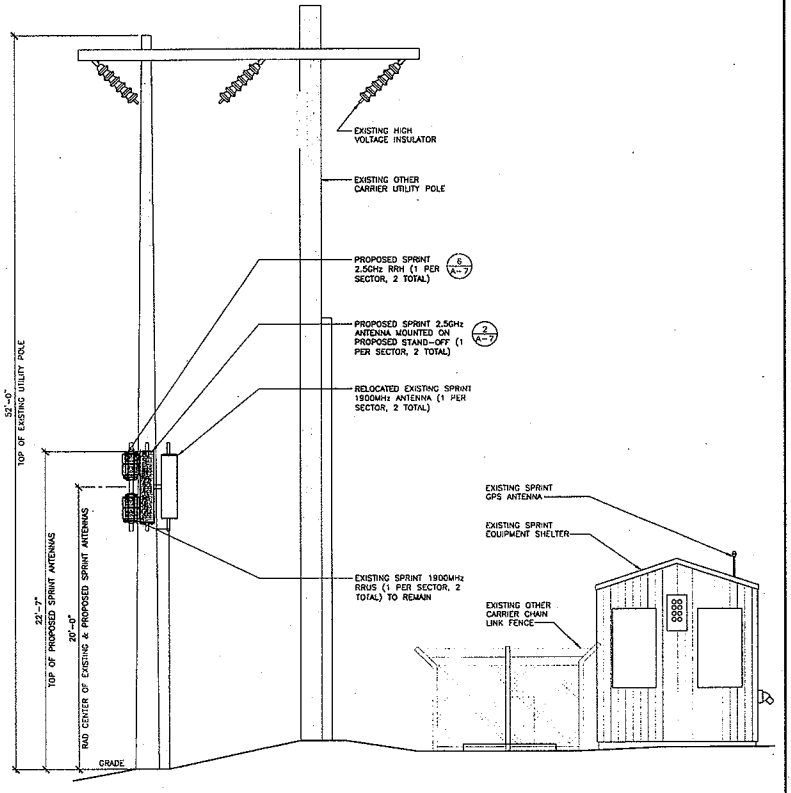
Received
AUG 01 2014
Permit Processing

NOTE:
STRUCTURAL ANALYSIS MUST BE PERFORMED ON ALL ROOFTOPS, FLAGPOLES, AND TOWER SITES BEFORE INSTALLATION OF NEW ANTENNAS, NEW RRH'S, AND/OR NEW EQUIPMENT. STRUCTURAL ANALYSIS TO BE PROVIDED BY A REGISTERED STRUCTURAL ENGINEER



24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"
4' 3' 2' 1' 0' 4'

EXISTING SOUTH ELEVATION | 1



24"x36" SCALE: 1/4" = 1'-0"
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PROPOSED SOUTH ELEVATION | 2

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Sprint

PTS
PACIFIC TELECOM SERVICES, LLC
506 2ND AVENUE, SUITE 210
SEATTLE, WA 98104

PROJECT INFORMATION:

SODAS-SCHULZ

SE73XC030
13601 SE 10TH ST
BELLEVUE, WA 98005
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NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET.

LICENSURE:

REGISTERED ARCHITECT
THOMAS R. HOLLAND
STATE OF WASHINGTON

SHEET TITLE:
EXISTING & PROPOSED SOUTH ELEVATION

SHEET NUMBER: A-5

REVISION: 1

SE73XC030

Received
AUG 01 2014
Permit Processing

SE73XC030

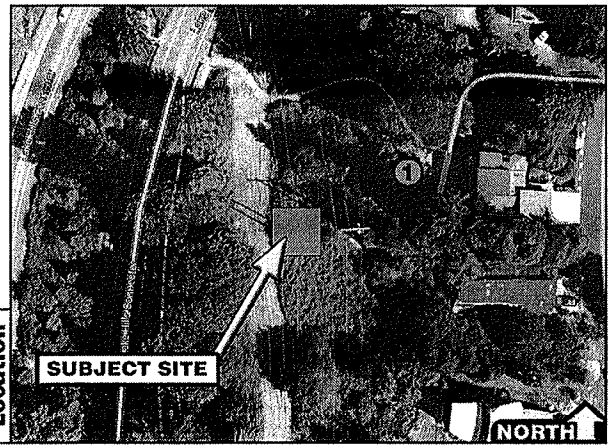
SODAS-SCHULTZ
13601 SE 10TH ST
BELLEVUE, WA 98005

Sprint

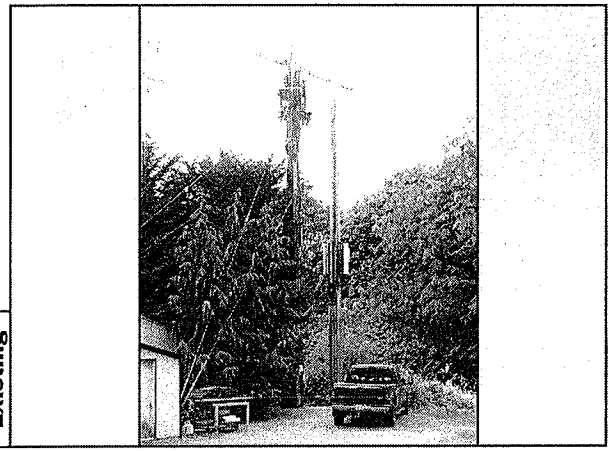
View #: 1

June 12, 2014

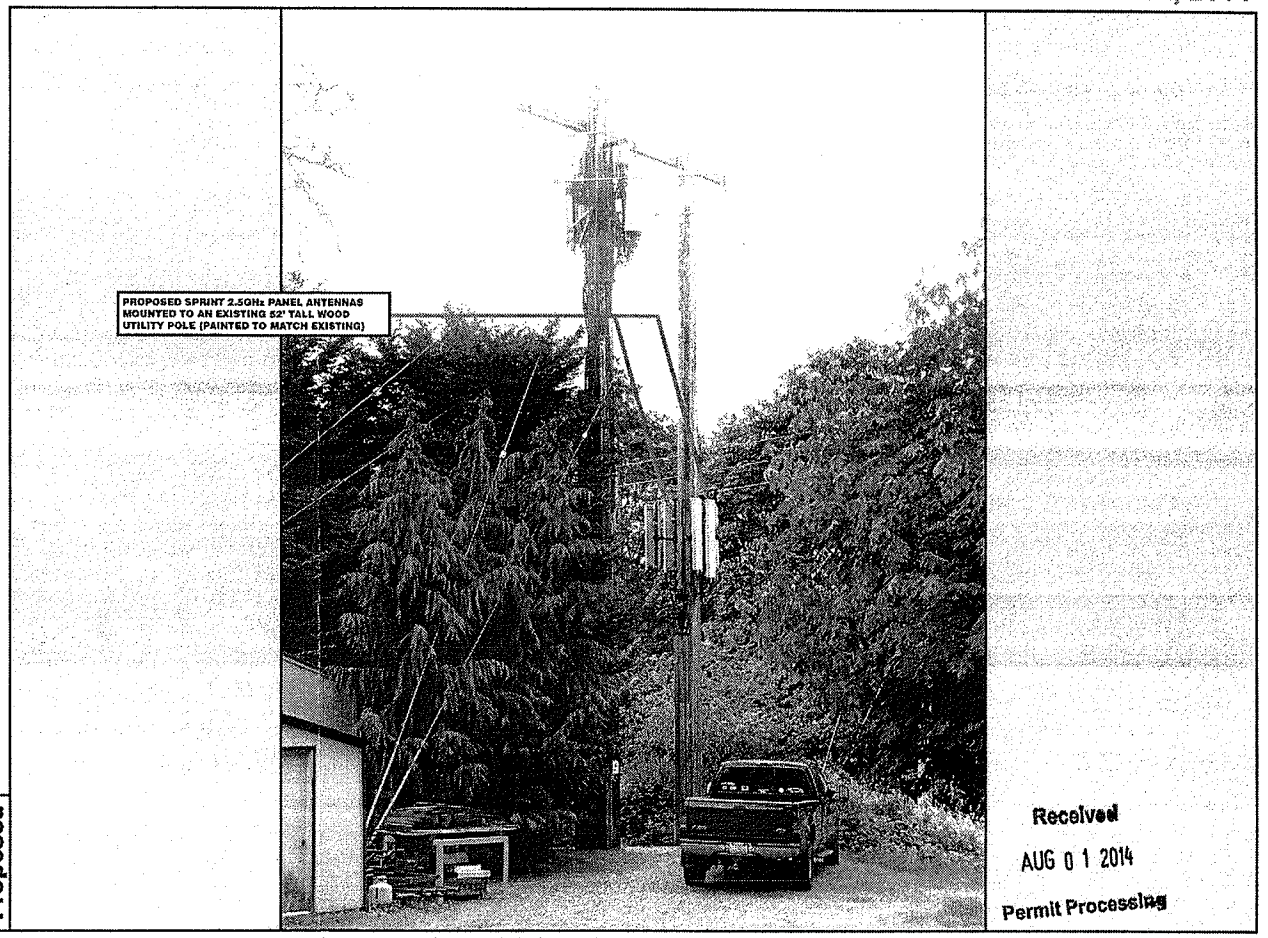
Location



Existing



Proposed



Received
AUG 0 1 2014
Permit Processing

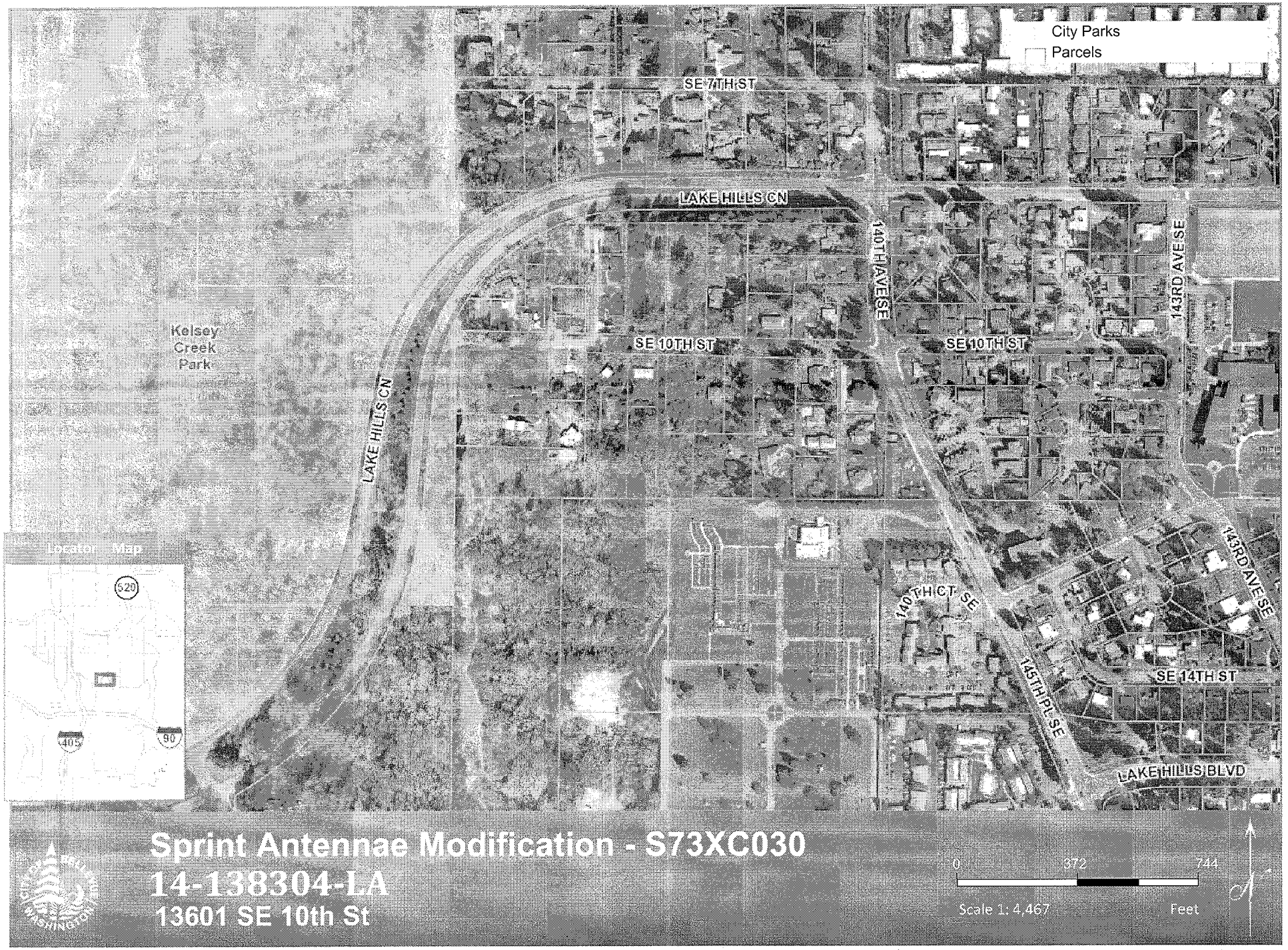
The illustration above is a representation of the proposed project based on information provided by the client. Actual construction may vary dependent on approved construction plans and therefore PTS (Pacific Telecom Services) is not responsible for any post production design changes. Monotree disclaimer: (In the event that the proposed installation includes a monotree) The proposed installation is an artistic representation of a tree, and not intended to be an exact reproduction of an actual living tree. The final installation will have cables, cable ports, and various attachments, such as antennas, nuts, and bolts. While every effort will be made to disguise these components, they will not be readily apparent to the casual observer or passerby. However, upon close scrutiny, the true nature of the installation will be apparent.

Sprint
10545 Willows Road NE
Redmond, WA 98052
Teri Battstone - Phone: (206) 342-6386

Prepared by: CJL

Pacific Telecom Services, LLC
3199 C Airport Loop Drive, Costa Mesa, CA 92626-3414

REV: A



Map Generated on: 09/05/2014

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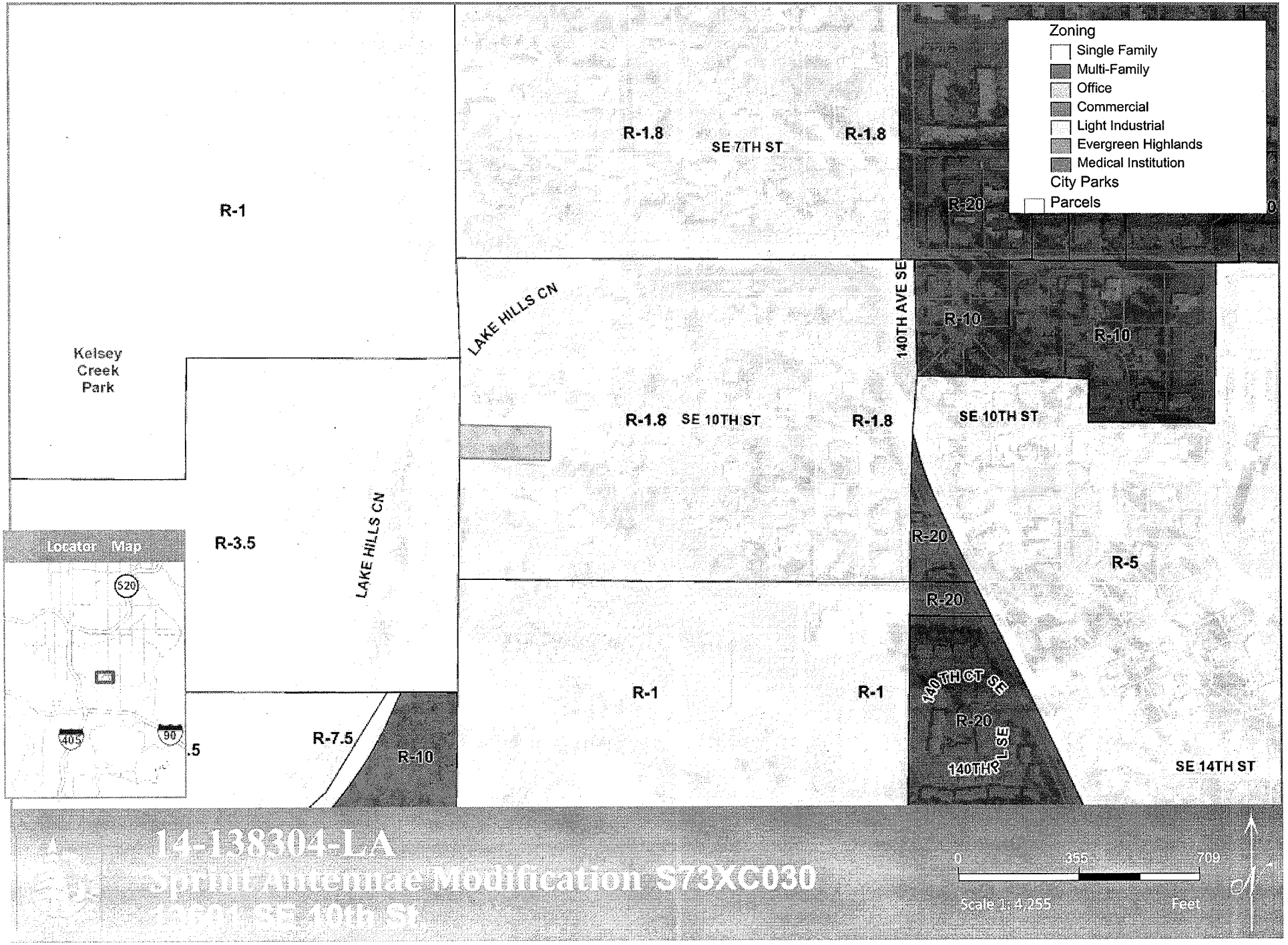

Map Generated on: 09/22/2014

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