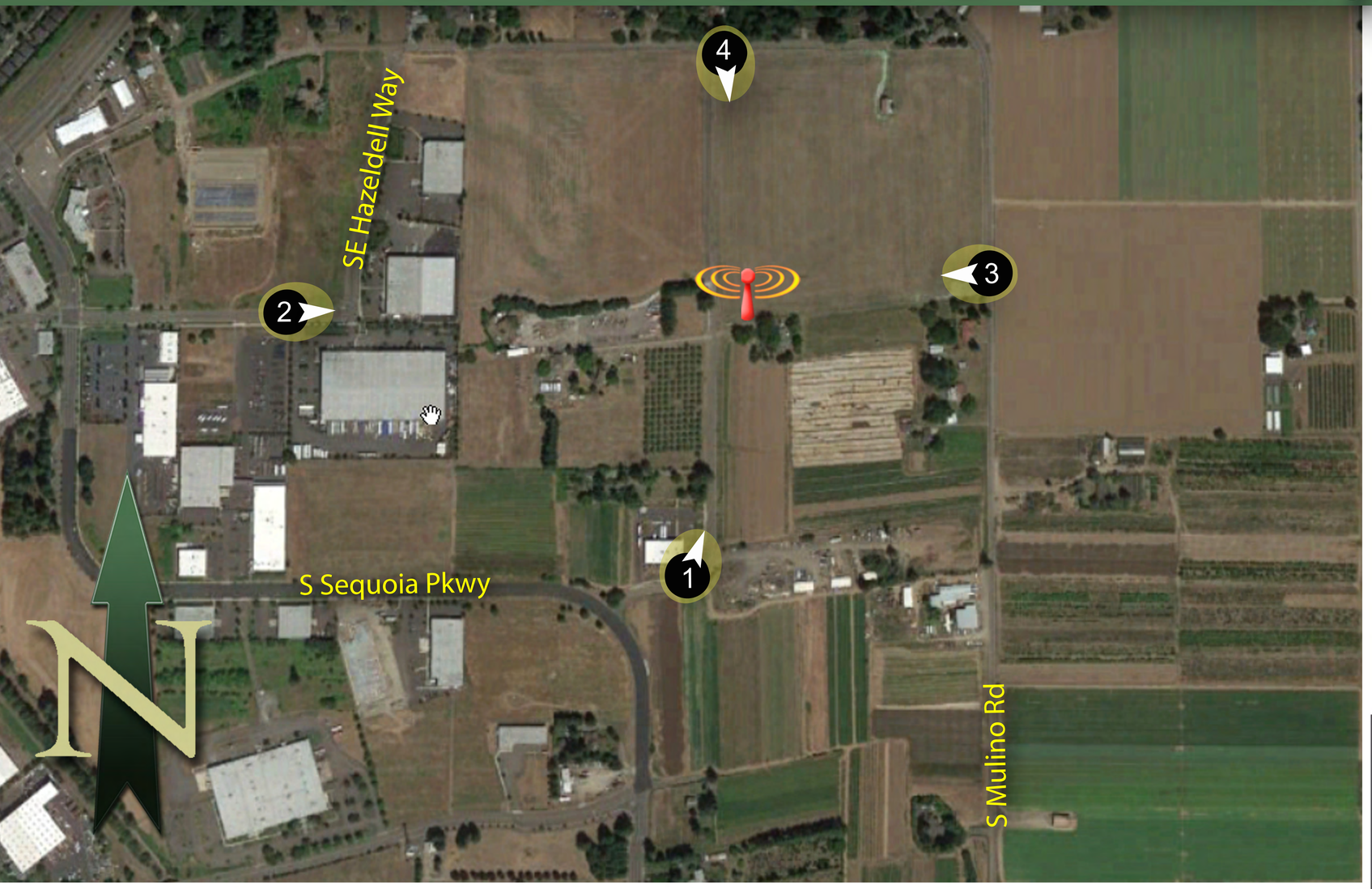
Photo Locator Map



Canby
220 S Walnut St
Canby, OR 97013
Clackamas County

CLACKAMAS 800 RADIO GROUP

Photo Location 1

Proposed Tower

cushing Civil Engineers
DON CUSHING ASSOCIATES
107 SE Washington Street, Suite 265
Portland, OR 97214
Phone: 503-387-5331

PROJECT DESCRIPTION

CLACKAMAS COUNTY 800 RADIO GROUP PROPOSES TO CONSTRUCT AN NEW UNSTAFFED ESSENTIAL PUBLIC COMMUNICATIONS SERVICE FACILITY CONSISTING OF A NEW 150' TALL SELF SUPPORTING LATTICE TOWER, A PRE-FABRICATED EQUIPMENT SHELTER, A GENERATOR AND A PROPANE TANK BOTH ON CONCRETE PADS ALL WITHIN A NEW 50' X 50' PRIVACY SLATED FENCED LEASE AREA. LANDSCAPING IS PROPOSED AROUND THE FENCED COMPOUND. ALSO A 12' WIDE BY 50' ± LONG GATED ACCESS DRIVEWAY WITH TECHNICIAN PARKING SPACE IS PROPOSED

This visual impact study is provided by photograph simulations which were created from data collected by photographs on site. Visual impacts will be affected by location and visibility of observer. This document is for planning and information purposes only and is purely conceptual. This is solely the photographer's interpretation of the proposed development.

Photo Simulation

Canby

Looking North

Canby
220 S Walnut St
Canby, OR 97013
Clackamas County

1

cushing
Civil Engineers

DON CUSHING ASSOCIATES
107 SE Washington Street, Suite 265
Portland, OR 97214
Phone: 503-387-5331

Existing

Proposed

Photo Simulation

Canby

Looking East

Canby
220 S Walnut St
Canby, OR 97013
Clackamas County

2

cushing Civil Engineers

DON CUSHING ASSOCIATES
107 SE Washington Street, Suite 265
Portland, OR 97214
Phone: 503-387-5331

Existing

Proposed

Photo Simulation

Canby

Looking West

Canby
220 S Walnut St
Canby, OR 97013
Clackamas County

3

cushing
Civil Engineers

DON CUSHING ASSOCIATES
107 SE Washington Street, Suite 265
Portland, OR 97214
Phone: 503-387-5331

Existing

Proposed

Photo Simulation

Canby

Looking South

Canby
220 S Walnut St
Canby, OR 97013
Clackamas County

4

cushing
Civil Engineers

DON CUSHING ASSOCIATES
107 SE Washington Street, Suite 265
Portland, OR 97214
Phone: 503-387-5331

Existing

Proposed

EXHIBIT H

ENGINEER STATEMENT REGARDING PROPOSED LOCATION

ENGINEER STATEMENT FOR SITE LOCATION

November 24, 2016

The Clackamas 800 Radio Group (C800) is upgrading its emergency communications system from an analog radio system to a digital radio system. A digital system provides many additional capabilities for service but the radio signal performance is less than the existing analog system. Additionally C800 intends to substantially improve coverage inside buildings/structures within the City of Canby, the Willamette River and the adjacent areas surrounding the city. Therefore C800 is proposing to inter-set new facilities between its existing facilities to account for this reduced performance. The proposed emergency communications system would be interconnected to other C800 communications sites utilizing microwave radio transmissions. Each communications site is designed with redundant microwave connections to enhance the overall reliability of the system during natural or manmade disasters. A system map of the existing and proposed C800 and WCCCA (Washington Counties emergency communications provider) has been provided with this response. The existing sites are either green or red triangular shapes and the proposed inter-set sites are different colored circular shapes with the color referring to the type of site proposed.

Selection of sites is based on numerous considerations, including a search for collocation possibilities on existing communication towers; suitable topography since the microwave system needs line-of-sight view to communicate; distance from Police, Fire and Life Safety locations; distance from populated areas to be served; distance and direct view to recreation sites like rivers and parks where emergency responders are required for search and rescue; etc. The height and location of each site is carefully selected to provide the fewest obstacles to the radio signals. Typically these sites are located on or near the highest terrain in an area and where existing tall trees will not block the microwave signal however, when enhanced coverage for communications within buildings/structures is required proximity to the targeted is essential to achieve optimal penetration of such facilities.

The C800 Radio Engineers, Site Acquisition, Land Use Agent and Project Manager select sites after extensive analysis to determine the best candidate that will provide the required service coverage to the surrounding areas. Propagation studies and computer models determine the required site locations and antenna/microwave heights by evaluating the projected radio signals from the proposed site at a given location and height.

Since no suitable collocation opportunity was found (see **EXHIBIT M** for the collocation search information) the proposed Canby site would meet these radio service criteria and would provide the required redundant microwave paths to the proposed Highland Butte site southeast of Beaver Creek and to the proposed Wilsonville Tank site north of SW Elligsen Road just north of Wilsonville City Limits.

Since the primary goal of this facility is to provide one-wall indoor coverage (also referred to as indoor coverage) to the City, nearby surrounding areas and the Willamette River a location near the middle of the City was the obvious first choice for a location. However, given the zoning designations around the city center and the lack of space for our facility and the unavailability of any suitable collocation opportunities the search focused on the industrial areas in the eastern and western parts of the City. Site development discussions with the industrial-zoned property owner of 1144 S. Berg Parkway were conducted but no suitable agreements for site usage were reached so the search moved to the eastern part of the city.

A search in that area discovered that the property owner for the chosen site, tax parcel 31E3400100 on South Mulino Road, was willing to lease an area in the southwest corner of his parcel for the C800 facility. The property is for sale and is presently being used for farming. The site area met C800's ground elevation requirement that would ensure radio coverage to the entire city as well as parts of the surrounding Clackamas County area. Additionally it ensured microwave connections would be met to the two adjacent sites mentioned above. The facility would be over 2350' from any existing telecommunication tower and has some tall deciduous trees to the south that help screen the view of the tower but not so tall as to screen the radio or microwave signals. Please see the included propagation coverage maps for the existing and proposed indoor and outdoor coverage projections. On these coverage maps the red areas indicate dense building structure indoor coverage, the orange indicates a signal that will penetrate most stick built or light concrete buildings, the yellow are indicates a signal that will penetrate most stick built buildings and some concrete buildings and the green is acceptable coverage that will penetrate most stick built structures (primarily residences). Additionally a tower at this location would meet the microwave connections to the two sites listed above as shown in the ComStudy 2 Path Profile that has been included with this statement document and discussed more thoroughly in the analysis in **EXHIBIT I**.

Please see the enclosed November 30, 2016 signed Motorola Engineer Statement stating that the Engineer is in agreement with the methodology and recommendations within this document.

Allen R (Skip) Greene
Permitting Agent for Clackamas 800 Radio Group
6233 SW Orchid Dr
Portland, OR 97219
503-866-5111
skip.greene@comcast.net

November 30, 2016

John Hartsock
Clackamas Radio Group C-800
11300 SE Fuller Rd
Milwaukee, OR 97222

Subject: Proposed Canby RF site location

To whom it may concern,

Motorola had the opportunity to review the Clackamas County C800 Radio Group Canby P25 Digital radio site location and tower Engineering Statement documents.
Upon a thorough review and analysis by Motorola, we are in agreement with the methodology and recommendations within each of these documents.

Regards,

Donald Ward
Motorola Solutions
Senior System Staff Engineer
don.ward@motorolasolutions.com

C800 and WCCCA SYSTEM MAP

Existing Sites

- Dispatch Center
- C800 Simulcast Cell A
- C800 Simulcast Cell B
- C800 Simulcast Cell C
- WCCCA Simulcast Cell A
- WCCCA Simulcast Cell B
- WCCCA Simulcast Cell C
- WCCCA ASR 3
- C800 ASR site 1
- DAS/ASR Site

New Sites

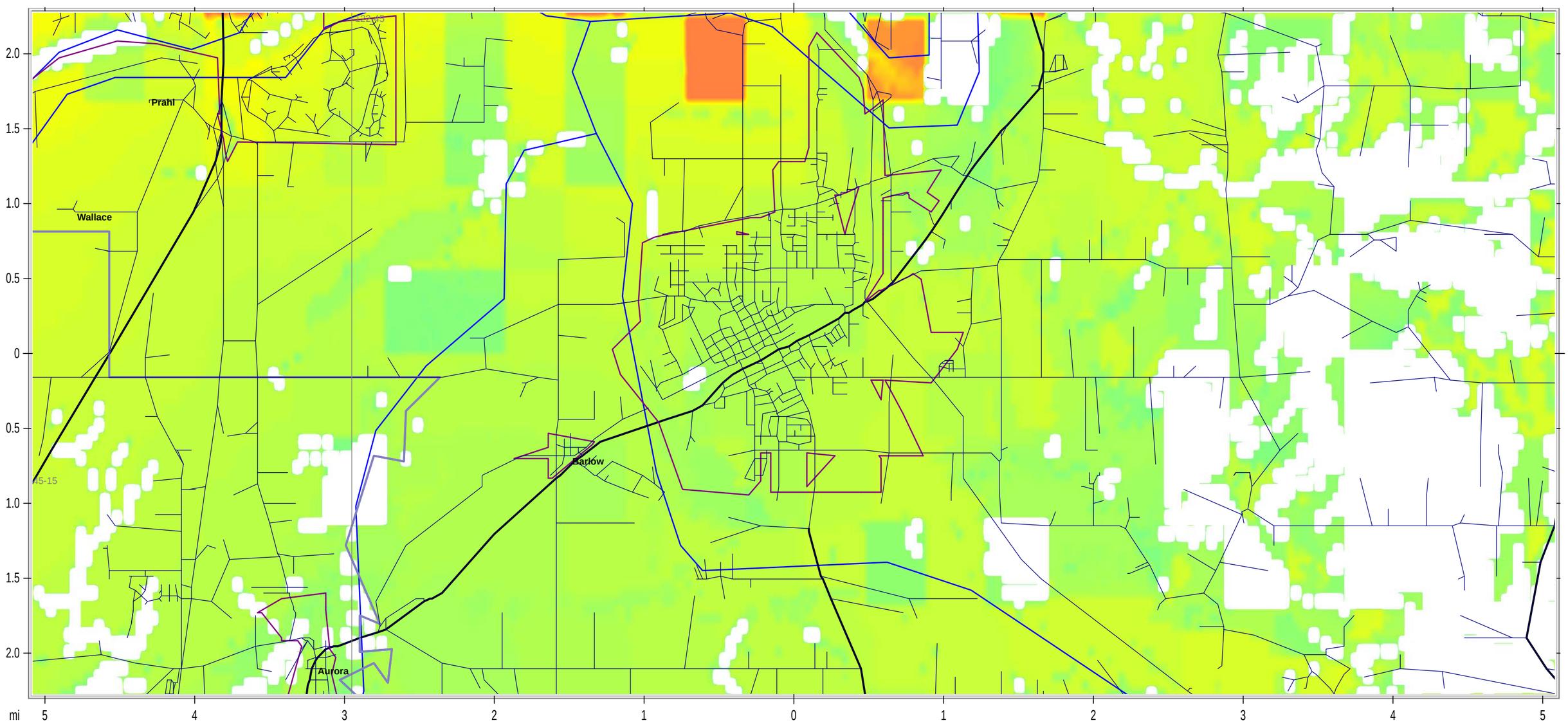
- Newberg ASR 1
- Newberg ASR 2
- C800 ASR Site 2
- C800 Simulcast Cell A
- C800 Simulcast Cell B
- C800 Simulcast Cell C
- C800 Simulcast Cell D
- WCCCA ASR 1
- WCCCA ASR 2
- WCCCA Simulcast Cell A
- WCCCA Simulcast Cell B
- WCCCA Simulcast Cell C

Top Hill
Buxton
Timber
Hwy 26 Tunnel
Round Top
Pumpkin Ridge
North Banks
Hayward
South Saddle Mtn
Gales Peak
High Compromise
Cornelius Pass
Springville
WCCCA Dsp
Hillsboro
WC Jail
Cedar Hills
Cooper Mtn
Burntwood
Sun Rise
Bald Peak
Canterbury
Chehalem
Sherwood
Wilsonville
Pete's
Mtn View
Newberg Dsp
Parrett Mtn
CCOM Dsp
CC Jail
Newberg Cemetery
Redland Road
Canby
Day Hill
Highland Butte
Angel Falls
Goat Mtn
Whale Head
Sawtel
Eola Hills
Oak Grove
LOCOM Dsp
View Acres
Skyland
Carver
Mt Scott
Damascus
Polivka
Sandy
Brightwood
Lenhart
Crutcher Bench
Timberline
TD&H

Date Created: 11/30/2016

EXISTING RADIO COVERAGE IN CANBY

800 MHz -112 dBm Talk IN - DAQ 3.4 - 2.4% BER



Portable Hip Building Penetration 2.5 watts 1 dB antenna

Usable In Bldg coverage Range - without new Canby Site

-262.15 -119.15 -116.15 -112.15 -96.15 -84.15 -74.15 -64.15 -34.15 dBm

White - NO Building Penetration

Light Green - Weaker Little to NO Building Penetration

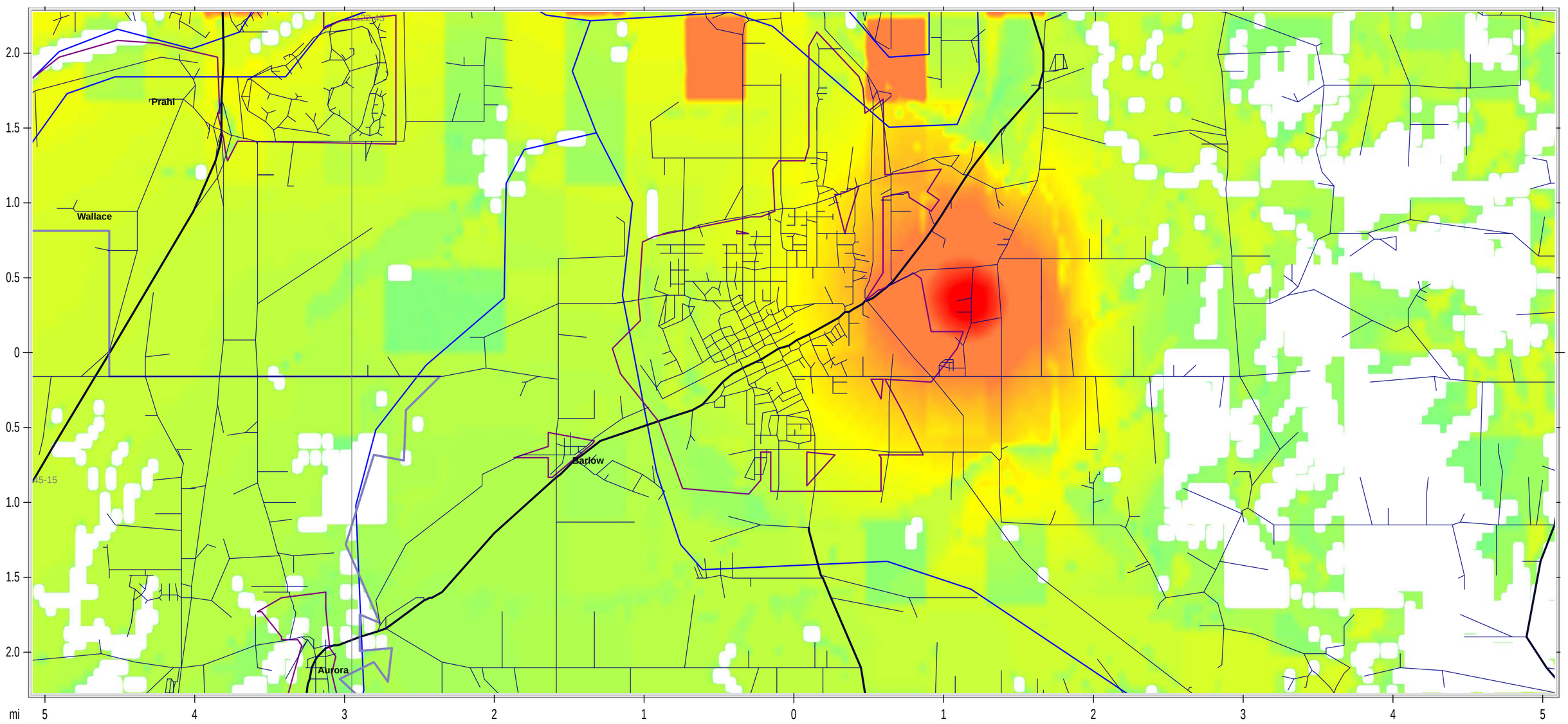
Green - Weaker Signal Less Building Penetration

Red - Stronger Signal Greater Building Penetration

County Borders State Borders City Borders Highways Water Features Streets Lat/Lon Grid

CANBY SERVICE WITH THE CANBY SITE IN OPERATION

800 MHz -112 dBm Talk IN - DAQ 3.4 - 2.4% BER



Portable Hip Building Penetration 2.5 watts 1 dB antenna

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-262.15 -119.15 -116.15 -112.15 -96.15 -84.15 -74.15 -64.15 -34.15 dBm

White - NO Building Penetration

Light Green - Weaker Little to NO Building Penetration

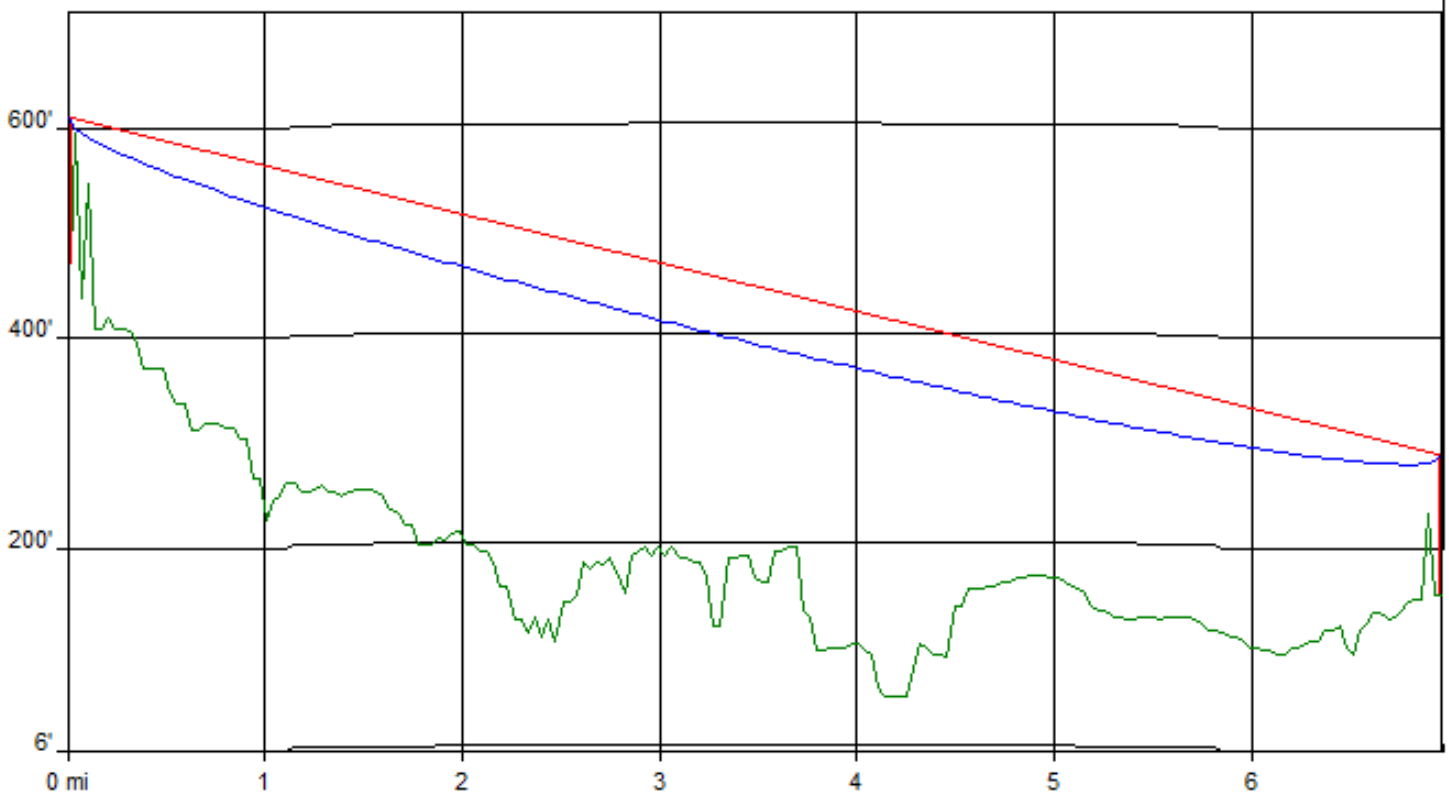
Green - Weaker Signal Less Building Penetration

Red - Stronger Signal Greater Building Penetration

County Borders State Borders City Borders Highways Water Features Streets Lat/Lon Grid

CANBY TO WILSONVILE TANK
MICROWAVE PATH STUDY

ComStudy 2 Path Profile



Wilsonville Tank

Lat:	45-20-32.5 N
Lon:	122-45-39.6 W
AMSL:	474 ft
Tower AGL:	140 ft

Canby

Lat:	45-16-03.0 N
Lon:	122-39-53.5 W
AMSL:	154 ft
Tower AGL:	135 ft

Profile Info

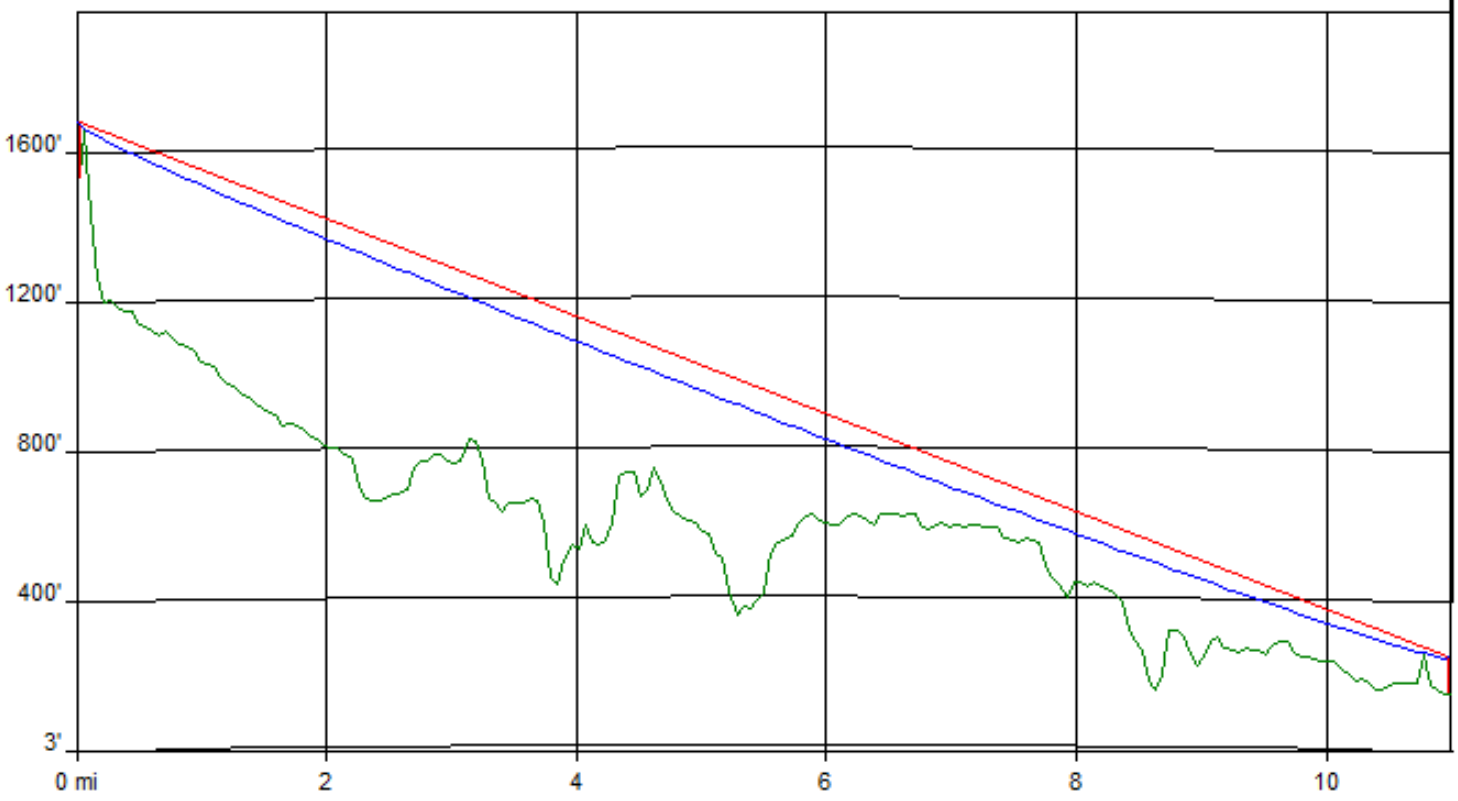
Distance:	6.97 mi
Bearing:	137.88 deg
# of points	200
K value:	1.333
Frequency:	1100
Clearance:	0.6

Losses

Base Loss:	114.3 dB
Fade Margin:	75.4 dB
Diffraction:	0.0 dB
Fresnel:	0.6 dB

CANBY TO HIGHLAND BUTTE
MICROWAVE PATH STUDY

ComStudy 2 Path Profile



Highland Butte

Lat:	45-14-14.0 N
Lon:	122-26-33.9 W
AMSL:	1537 ft
Tower AGL:	150 ft

Canby

Lat:	45-16-03.0 N
Lon:	122-39-53.5 W
AMSL:	154 ft
Tower AGL:	100 ft

Profile Info

Distance:	11.00 mi
Bearing:	281.04 deg
# of points	200
K value:	1.333
Frequency:	1100
Clearance:	0.6

Losses

Base Loss:	118.3 dB
Fade Margin:	66.1 dB
Diffraction:	0.0 dB
Fresnel:	5.7 dB

EXHIBIT I

ENGINEER STATEMENT REGARDING PROPOSED TOWER HEIGHT

ENGINEER STATEMENT FOR TOWER HEIGHT

November 24, 2016

The Clackamas 800 Radio Group (C800) towers are considered essential communication facilities and as such are designed to very high wind and seismic standards to ensure they would remain standing under these severe conditions. This type of construction is designated a Class III structure. The required tower height for a particular location is determined by the ground elevation at the location, the surrounding topography, the surrounding tree heights, the elevation and tree heights of the C800 sites the tower would need to communicate with and the proximity to the area to be served. The proposed facility has been placed and designed to ensure one-wall in-building emergency radio coverage exists within the City of Canby as well as nearby areas outside the city limits. The facility would also provide radio coverage into surrounding areas where coverage is spotty or non-existent including the Willamette River north of Canby. That area is highly used in the summer months and there have been numerous emergency responses in the past

For the Canby site the ground elevation is 161' at the tower location, which is lower than desired but since a 150' tower is proposed, service requirements can be met as will be discussed later. Note that C800 initial plans were for a 180' lattice tower, however the Oregon Department of Aviation considered that tower too tall due the proximity to the Deets Airpark east of the city. The surrounding topography is relatively flat with no tall hills that could impede the radio signals to the community. There are trees up to 97' tall to the east and a number of deciduous trees approximately 60' tall south of the site but again the 150' tower allows our antennas and microwave dishes to be located above the treetops.

To ensure reliability of the microwave communication system the C800 design requires redundant microwave links to each site they construct. The proposed Canby site would connect to the proposed Highland Butte site off of South Butte Road (no address) southeast of Beavercreek and also connect to the proposed Wilsonville Tank site located at the top of a small butte just north of 8275 SW Elligsen Road in Wilsonville. Please see the ComStudy 2 Path Profile studies on the following pages for the microwave connection to these two sites. This graph indicates the above-ground level mounting radial center of the microwave dishes at each location and the red line indicates the microwave path. Note that this is a line-of-sight path so the microwave antennas must "see" each other. The green colored "spikes" represent trees in the path between two sites and the microwave signal must clear these trees with sufficient height to account for future tree growth. It's also important that the microwave signal is a "point-to-point" communication so dishes stability is critical. C800 desires to mount the microwave dishes as low on the tower as possible since the higher the dish mounting the more likely wind pressure would cause tower movement and since the dishes are 6.97 miles and 11 miles away so a small tower movement has a great impact due to those distances. Please see **EXHIBIT P** in the **APPENDIX** for more information on tower movement.

The path from the Canby site to the Wilsonville Tank site is clear with the proposed tower height and 135’ microwave mounting height. As seen on the graph the Canby site microwave is well above any tree level. However, at the Wilsonville Tank site there are evergreen trees over 120’ tall on the south side of the proposed tower that are shown on this graph as little green triangles (spikes) near the tower location demonstrating the tree height. A drone image taken at the 140’ level of the proposed tower shows the tall trees just south of the site but also demonstrates it can see the Canby site. Therefore the microwave would be mounted at the 140’ radial center on the Wilsonville Tank tower. Note that if the Canby microwave dish were lower than proposed then the tall trees at the Wilsonville Tank site would block the communication link.

The path from Canby to Highland Butte is clear at the Canby end as demonstrated on the CommStudy with the Canby radial center at 100’ level, however the Highland Butte radial center for the microwave is 150’ due to the tree heights (as demonstrated by the green spike) in the area. Keeping this microwave dish low on the tower helps reduce the wind load and therefore the tower movement as described earlier.

Please refer to **EXHIBIT H** for the radio and data propagation map discussion demonstrating the one-wall, in-building coverage analysis which is the main objective of this facility.

November 30, 2016

John Hartsock
Clackamas Radio Group C-800
11300 SE Fuller Rd
Milwaukee, OR 97222

Subject: Proposed Canby RF site location

To whom it may concern,

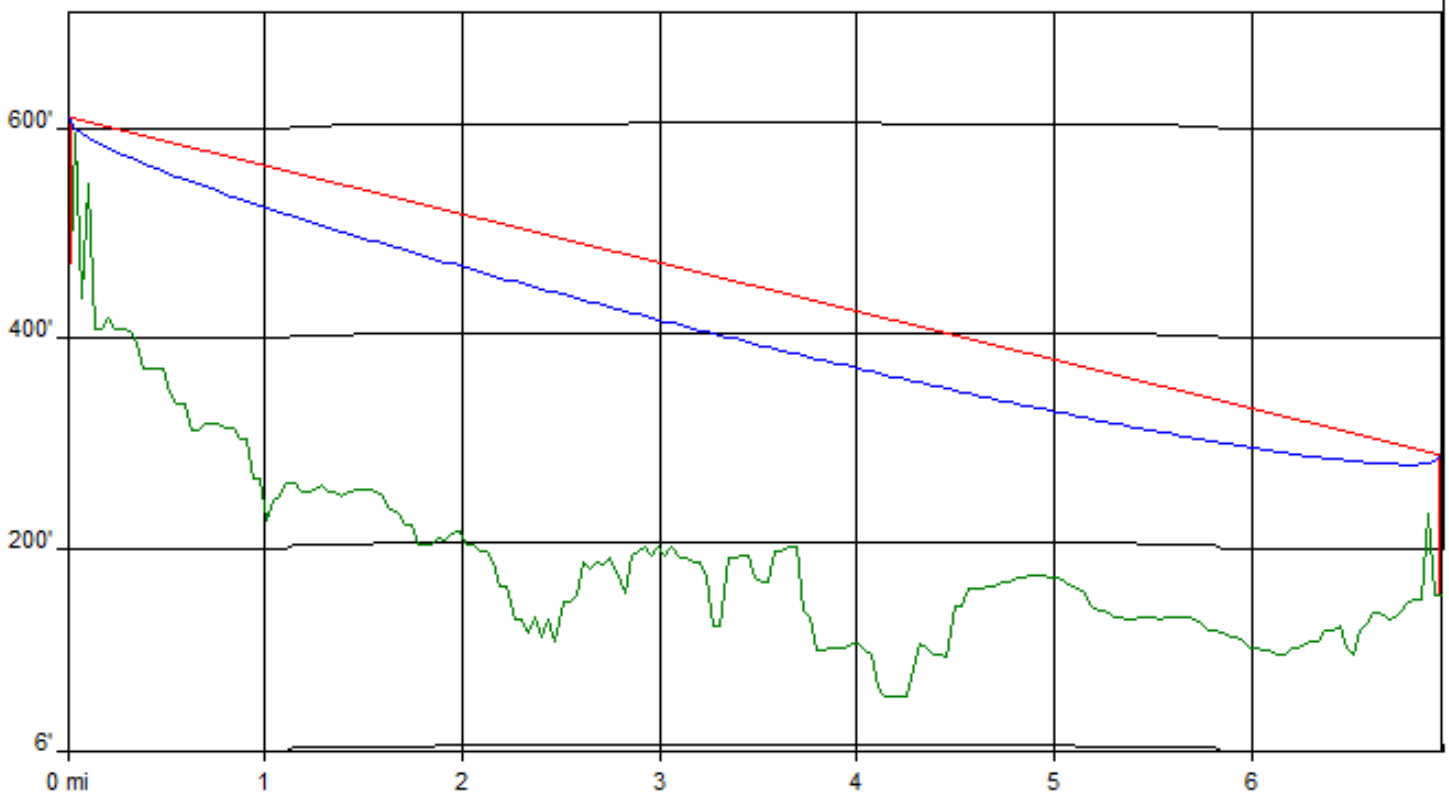
Motorola had the opportunity to review the Clackamas County C800 Radio Group Canby P25 Digital radio site location and tower Engineering Statement documents.
Upon a thorough review and analysis by Motorola, we are in agreement with the methodology and recommendations within each of these documents.

Regards,

Donald Ward
Motorola Solutions
Senior System Staff Engineer
don.ward@motorolasolutions.com

CANBY TO WILSONVILE TANK
MICROWAVE PATH STUDY

ComStudy 2 Path Profile



Wilsonville Tank

Lat:	45-20-32.5 N
Lon:	122-45-39.6 W
AMSL:	474 ft
Tower AGL:	140 ft

Canby

Lat:	45-16-03.0 N
Lon:	122-39-53.5 W
AMSL:	154 ft
Tower AGL:	135 ft

Profile Info

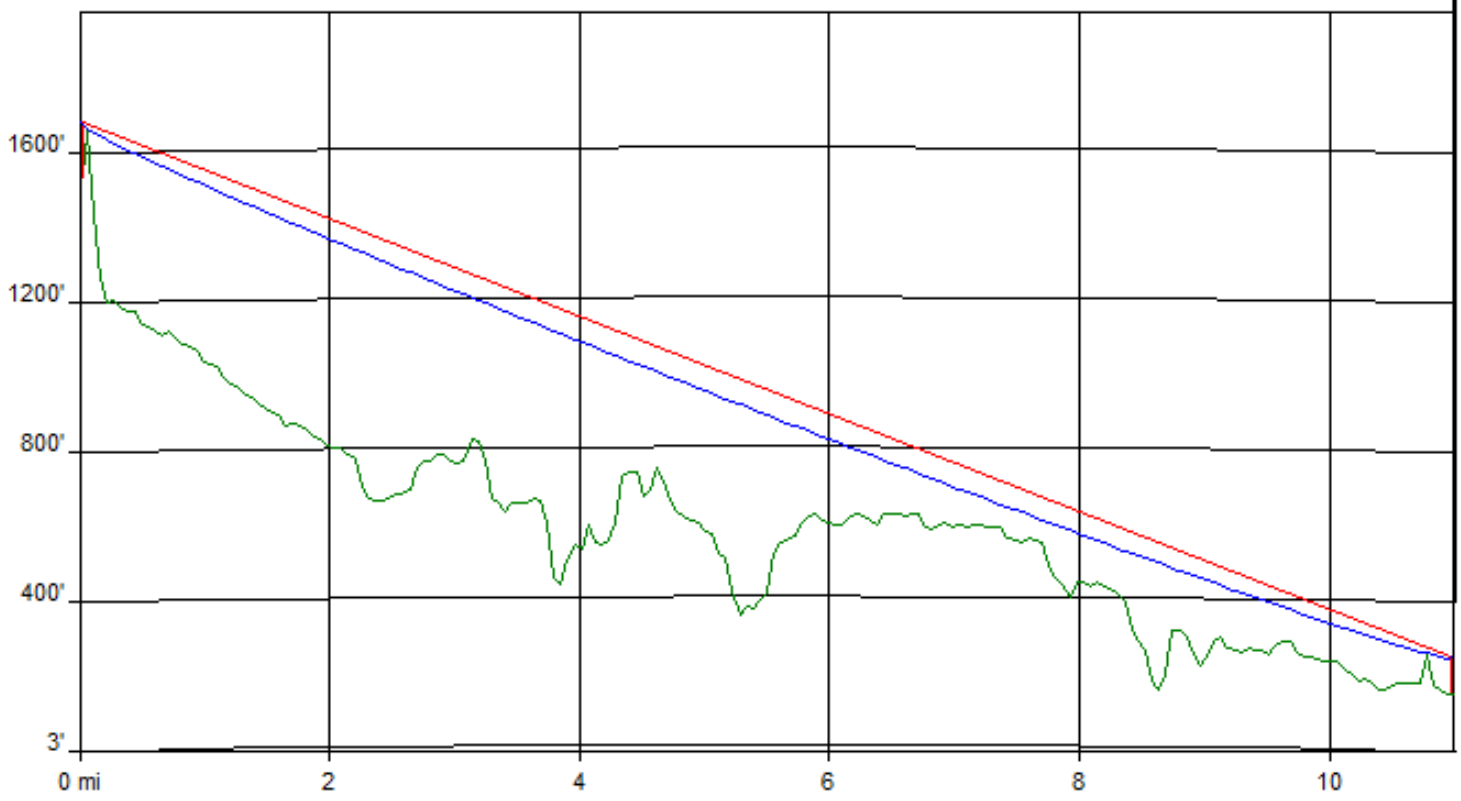
Distance:	6.97 mi
Bearing:	137.88 deg
# of points	200
K value:	1.333
Frequency:	1100
Clearance:	0.6

Losses

Base Loss:	114.3 dB
Fade Margin:	75.4 dB
Diffraction:	0.0 dB
Fresnel:	0.6 dB

CANBY TO HIGHLAND BUTTE MICROWAVE PATH STUDY

ComStudy 2 Path Profile



Highland Butte

Lat:	45-14-14.0 N
Lon:	122-26-33.9 W
AMSL:	1537 ft
Tower AGL:	150 ft

Canby

Lat:	45-16-03.0 N
Lon:	122-39-53.5 W
AMSL:	154 ft
Tower AGL:	100 ft

Profile Info

Distance:	11.00 mi
Bearing:	281.04 deg
# of points	200
K value:	1.333
Frequency:	1100
Clearance:	0.6

Losses

Base Loss:	118.3 dB
Fade Margin:	66.1 dB
Diffraction:	0.0 dB
Fresnel:	5.7 dB

ELEVATED IMAGES
Sean Murray - 503.686.3050 - sean@elevatedimages-llc.com

Wilsonville Tank Microwave Height Image for Path to Canby

cushing Civil Engineers
DON CUSHING ASSOCIATES
107 SE Washington Street, Suite 265
Portland, OR 97214
Phone: 503-387-5331

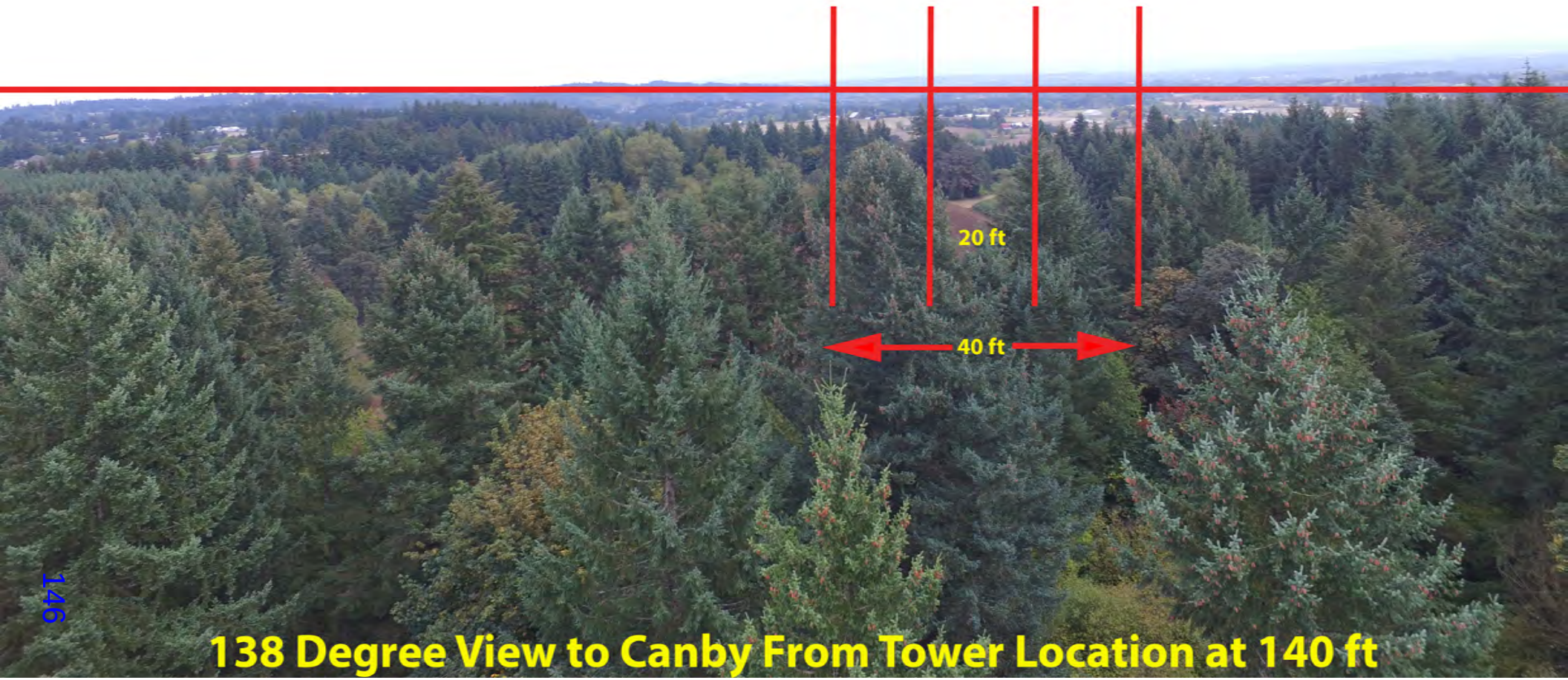
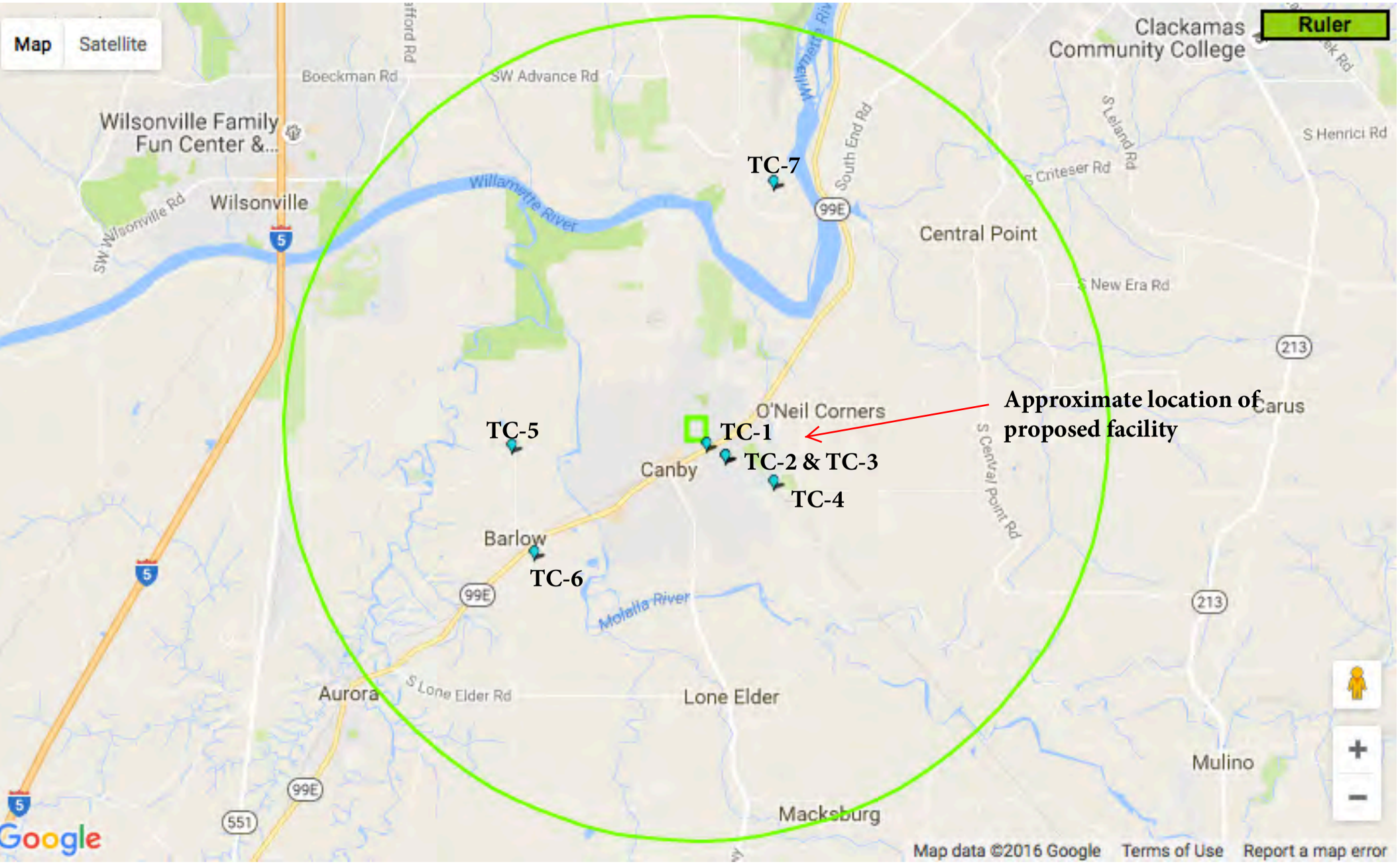


EXHIBIT J

TOWERCO PROGRAM 4-MILE RADIUS EXISTING WTS SEARCH

CANBY TOWERCO 4-MILE EXISTING WTS SEARCH WITH 694 NE 4TH AVE AS CENTER OF RADIUS



CANBY TOWERCO LIST OF EXISTING WTS'S WITHIN 4-MILE RADIUS OF 694 NE 4TH AVE

http://www.towerco.com/simplicityfound/search/index.aspx?rad=4&address=694 ne 4th ave&city...

Results in List Res on

Download Selected List Add/Remove

	Distance	TowerId	City	County	Height	StructureType	TowerOwn
TC-1	0.19 miles	Day83	Canby	Clackamas	125	Monopole	Day Wireless
TC-2	0.41 miles	1234284	Canby	Clackamas	53.3	Tower	Verizon
TC-3	0.41 miles	082728	Canby	Clackamas	175	Self Support	American
TC-4	0.92 miles	11081	Canby	Clackamas	173	Lattice	AT&T
TC-5	1.72 miles	874139	Canby	Clackamas	150	Monopole	Crown
TC-6	1.86 miles	Day84	Canby	Clackamas	75	Monopole	Day Wireless
TC-7	2.61 miles	13751	West Linn	Clackamas	74	Monopole	AT&T

TowerCo's Web Site User Agree

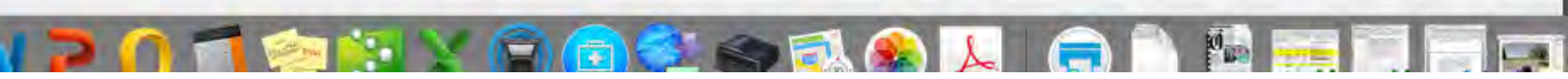
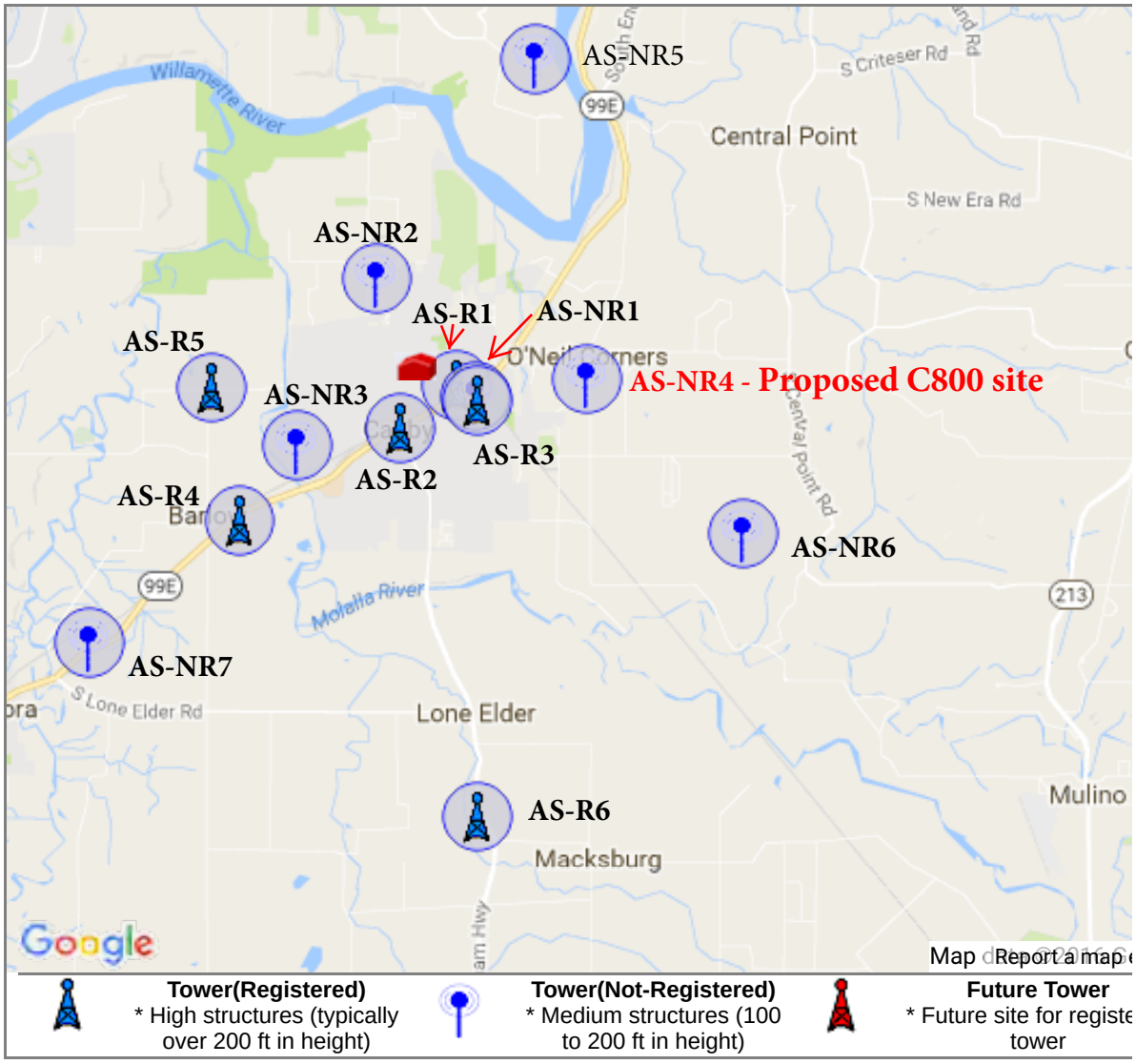


EXHIBIT K

ANTENNASEARCH PROGRAM 4-MILE RADIUS EXISTING WTS SEARCH

CANBY - 4-Mile Radius Existing WTS Search - AntennaSearch Program

- **Tower Structures - (694 NE 4th Ave, Canby, OR 97013)** SEARCH ADDRESS



Tower(Registered)	Tower(Not-Registered)	Future Tower
* High structures (typically over 200 ft in height)	* Medium structures (100 to 200 ft in height)	* Future site for registe tower

Tower Search Results!

Alert! 13 Towers (6 Registered,7 Not Registered) found within 4.00 miles of **694 NE 4th Ave, Canby, OR 97013**.

Info! The NEAREST Tower is .22 miles away and is owned by **Day Wireless Systems**.

Ok! No Applications for Future Towers detected as of 11/07/16.

Tower Type	ID Num	Site Owner	Height	Dist
Registered	(1)	Day Wireless Systems	135 feet	.22 miles
These towers id'ed as AS-R-1, AS-R-2, etc	(2)	Canby Telephone Association	120 feet	.43 miles
	(3)	Verizon Wireless (vaw) Llc	199 feet	.46 miles
	(4)	Day Wireless Systems	85 feet	2.15 miles
	(5)	Goldenstate Towers Llc	162 feet	2.22 miles
	(6)	Ccatt Llc	155 feet	3.03 miles
Not Registered	(1)	Western Pcs Corp	130 feet	.42 miles
These towers id'ed as AS-NR1, etc	(2)	American Tower Corp.	105 feet	.97 miles
	(3)	George Robertson	200 feet	1.42 miles
	(4)	Clackamas 800 Radio Group - C800	195 feet	1.54 miles
	(5)	At&t Wireless Services Of Or Inc	80 feet	2.54 miles
	(6)	Blank	50 feet	3.25 miles
	(7)	Western Pcs Corp	150 feet	3.88 miles
Future		(No Towers Detected)		

EXHIBIT L

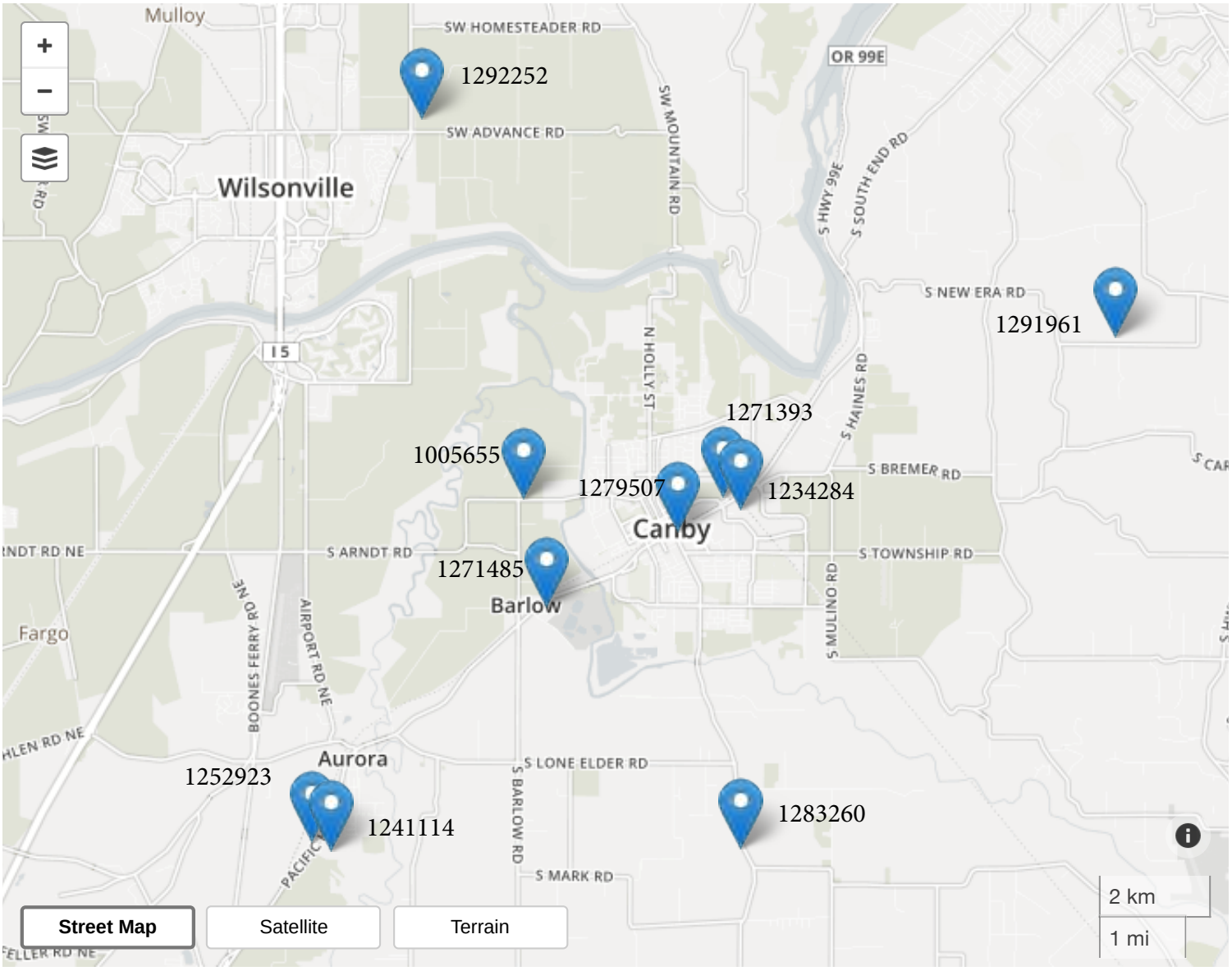
FCC ASR REGISTRATION SEARCH PROGRAM 4-MILE RADIUS EXISTING WTS SEARCH

ASR-GIS

FCC Antenna Structure Registration (ASR) Map

New Search

Return to Results



ASR Help	ASR License Glossary - FAQ - Online Help - Documentation - Technical Support
ASR Online Systems	TOWAIR- CORES - ASR Online Filing - Application Search - Registration Search
About ASR	Privacy Statement - About ASR - ASR Home

ASR Registration Search

Registration Search Results

Displayed Results

PA = Pending Application(s)

Specified Search

Latitude=**'45-16-3.9 N'**, Longitude=**'122-39-42.6 W'**, Radius=**6.4 Kilometers**

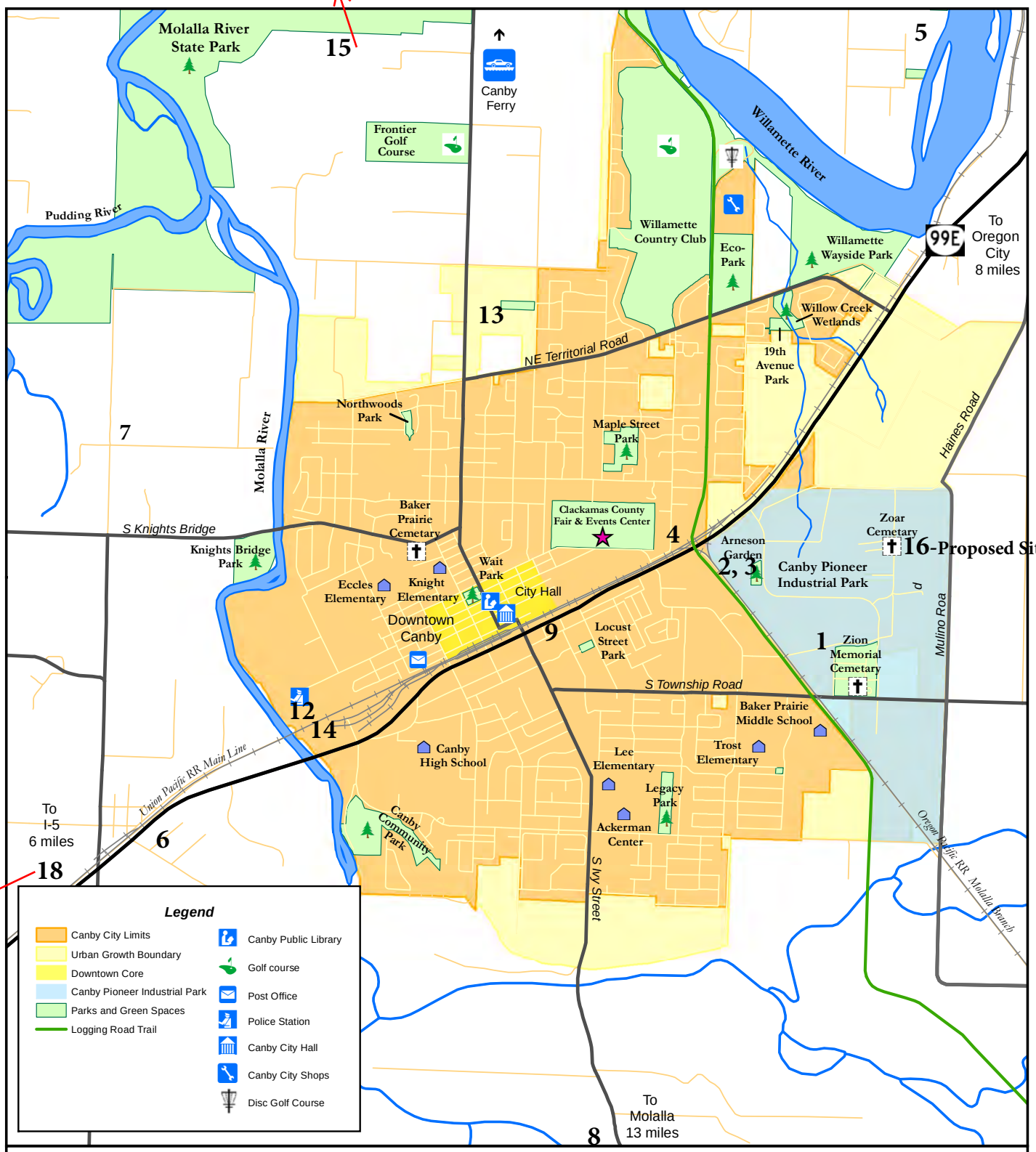
	Registration Number	Status	File Number	Owner Name	Latitude/Longitude	Structure City/State	Overall Height Above Ground (AGL)
1	1005655	Constructed	A1011309	Goldenstate Towers LLC	45-16-01.0N 122-43-18.7W	Canby, OR	49.4
2	1217975	Constructed	A1010593	CCTM1 LLC	45-14-38.0N 122-35-05.7W	Mulino, OR	24.4
3	1234284	Constructed	A0988601	Verizon Wireless (VAW) LLC	45-15-55.6N 122-40-44.5W	Canby, OR	60.7
4	1256822	Dismantled	A1001442	,	45-14-21.8N 122-35-35.0W	Mulino, OR	30.4
5	1271393	Constructed	A0654810	Day Wireless Systems	45-16-02.1N 122-40-57.9W	Canby, OR	41.1
6	1271485	Constructed	A0655072	Day Wireless Systems	45-15-06.9N 122-43-02.5W	Canby, OR	25.9
7	1279507	Constructed	A0731556	Canby Telephone Association	45-15-44.0N 122-41-29.0W	Canby, OR	36.6
8	1283260	Constructed	A1026775	CCATT LLC	45-13-07.0N 122-40-45.2W	Canby, OR	47.2
9	1291961	Cancelled	A0984415	AT&T Mobility Spectrum LLC	45-17-20.5N 122-36-20.8W	Oregon City, OR	47.2
10	1292252	Constructed	A0941149	American Towers, LLC	45-19-09.2N 122-44-30.5W	Wilsonville, OR	47.2

CLOSE WINDOW

EXHIBIT M

CONSOLIDATED SEARCH PROGRAM 4-MILE RADIUS
EXISTING WTS SEARCH

CANBY EXISTING WTS LOCATION MAP



City of Canby Map

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W
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S

The information depicted on this map is for general reference only.
The City of Canby cannot accept any responsibility for errors, omissions, or positional accuracy.

Miles
0 0.25 0.5 1

CANBY Existing 4-Mile Radius WCF Database

DATA-BASE ID	TOWERCO ID	ANTENNA SEARCH ID	FCC ASR REGIST. NUMBER	ADDRESS	STRUTURE TYPE & HEIGHT	COLLOCATION HEIGHT	NOTES
1	TC-4	-	-	1976 SE Township Rd; NW side of Zion Cemetary	173' lattice tower	Insufficient height, strength and space; tower loaded to 85.8% in August 2016	Wireless antennas at top, MW dish ~ 25' below antennas; elev 168' AGL; not enough space for C800 antenna configuration; tower loaded to 85.8%
2	TC-3	AS-NR1	1234284	1233 SE 1st Ave	TowerCo indicates 175' lattice tower; AntennaSearch indicates 130'	Insufficient space, height, strength and elevation for C800	Western PCS; Same site as TC-2 and AS-R3; 5 existing WCF arrays down to 100', elevation 145' AGL
3	TC-2	AS-R3	1234284	1239 SE 1st Ave	TowerCo indicates 53.3' height; AntennaSearch 199' lattice tower	Insufficient space, height, strength and elevation for C800	Verizon tower; same as TC3 and AS-NR1 but shows address of 1239 SE 1st Ave; elevation 145' AGL
4	TC-1	AS-R1	1271393	1004 NE 4th	TowerCo indicates 125' monopole; AntennaSearch 135'	Space below 115' on monopole; insufficient space and strength for C800	Day Wireless, fairly slim monopole with 1 WCF array at top; elevation 143'; limited space for ground equipment
5	TC-7	AS-NR5		310 SW Forest Cove Road, West Linn	TowerCo indicates 74' monopole; AntennaSearch 80'	Insufficient space, height, strength and elevation for C800	Thin monopole with 1 WCF array at top; 103' elevation, private property could not access
6	TC-6	AS-R4	1271485	24525 S Highway 99E; 45.220, 122.588	85' monopole	Space below 75' height; Insufficient height, strength and elevation	Day Wireless Systems; 1 WCF array at top, pretty thin at top; elevation 106' AGL
7	TC-5	AS-R5	1005655	23488 S Barlow Rd; S Barlow Rd & S Knightsbridge Rd	TowerCo indicates 150' monopole; AntennaSearch 162'	Space below 110' elevation; insufficient space and elevation too low for C800	Crown Castle monopole on east side of electrical substation, 3 WCF arrays at top; ASR shows address as 23498 S Barlow Rd; elevation 93' AGL
8	-	AS-R6	1283260	26815 Canby-Marquim Hwy	TowerCo indicates 149.9' monopole;AntennaSearch 155'	Insufficient height, strength and space for C800	Crown Castle/ATT Canby Fire District Station 65; 1 WCF array at top elevation 186' AGL

CANBY Existing 4-Mile Radius WCF Database

9	-	AS-R2	1279507	144 SE 2nd Ave	120' lattice tower	Insufficient height and strength for C800	Canby Telephone Association; thin lattice with omniantennas all along structure to ~ 30' AGL; elev 155' AGL
10	-	AS-NR6	-	45.250 N, -122.637E, south of Township Rd	Does not exist	Does not exist	This site does not exist, see photo from Township Rd; High voltage transmission lines in area
11	-		1291961	12663 S New Era Rd; 45.289, 122.606	Does not exist	Does not exist	155' tower Project cancelled 12/7/15; AT&T Mobility, west side of S Parrot Creek Rd just north of S New Era Rd
12	-	AS-NR3	-	1190 NW 3rd Ave	100' monopole	Space below 80' on monopole; insufficient space for C800	George Robertson; 1 WCF array at top and MW dish below; this pole faces NW Baker Dr, large lot; elevation 160'
13	-	AS-NR2		2030 N Holly St	105' monopole	Space below 90' on monopole; insufficient strength and space for C800	One carrier; 148' elevation
14	-	-	-	1190 NW 3rd Ave	100' flagpole with side arms	Insufficient height, strength and space for C800	Stealth flag pole; this pole faces 3rd Ave; not on any database, found while searching
15	-	-	1292252	6351 SW Advance Rd	150' monopole with 1 carrier at top	Insufficient height, strength and space for C800	New Cingular monopole; One carrier; Elevation 219'
16	-	AS-NR4	-	Parcel north of 23397 S Mulino Rd	C800 proposed 180' lattice tower	No tower here	This is the proposed C800 tower, the AntennaSearch picked it up from the FAA filing
17	-	AS-NR7	-	West of 25483 Pacific Hwy E, Aurora	150'	Tower does not exist	No tower here, listed as Western PCS Corp but does not exist
18	-	-	1252923	20687 OR-99E, Church parcel	138' monopole with 1 carrier	Insufficient height, strength, space and location for C800	CCATT LL; , 1 carrier, Elevation 186'
19	-	-	1241114	Across highway from 20687 OR-99E	Does not exist	Does not exist	Cancelled, New Cingular Wireless

CANBY ID 1 Existing WCF at 1976 South Township Rd

CANBY ID 2,3 Existing WCF at 1239 SE 1st Ave

CANBY ID 4 Existing WCF at 1004 NE 4th Ave

CANBY ID 5, EXISTING WCF BEHIND LOCKED GATE ON PRIVATE PROPERTY

Tower Detail (Not Registered) - Tower (1) 310 SW FOREST COVE ROAD

- **Ownership Info**

Owner	Company:	AT&T WIRELESS SERVICES OF OR INC	Address:	Not Recorded
	Contact:	Not Recorded		
	Phone:	Not Recorded		
	Email:	Not Recorded		

- **Structure Characteristics**

Filing #:	00-ANM-1886-OE	Ground Elev:	125.0 feet
Latitude:	45.304	Height Of Structure:	80.1 feet
Longitude:	-122.670	Overall Height:	205.1 feet
Structure Type:	Tall Structure	Structure Address:	Not Recorded
Status:	Unknown		
Date Filed:	12/13/2000		

CANBY ID 6, Existing WCF at 24525 S Hwy 99E

CANBY ID 7, Existing WCF at 23488 S Barlow Rd

CANBY ID 8 Existing WCF at 26815 Canby-Marquim Hwy

CANBY ID 9, Existing WCF at 144 SE 2nd Ave

CANBY ID 10; AS-NR1 Existing WCF, No towers at this site, see photos, south of 11250 S Township Rd

CANBY ID 11 No existing WCF at 12663 S New Era Rd

CANBY ID 12, Existing WCF at 1190 NW 3rd Ave, faces Baker Rd


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CANBY ID 14, Existing WCF at 1190 NW 3rd Ave, facing 3rd Ave

CANBY ID 15 Existing WCF at 6351 SW Advance Rd