

PIAZ010 Fitch Plaza Mono Pine

Special Use Permit Justification / Compatibility Statement

REQUEST: Special Use Permit to allow a Stealth Wireless Communications Facility, per Chapter 35 of the City of Mesa Zoning Ordinance.

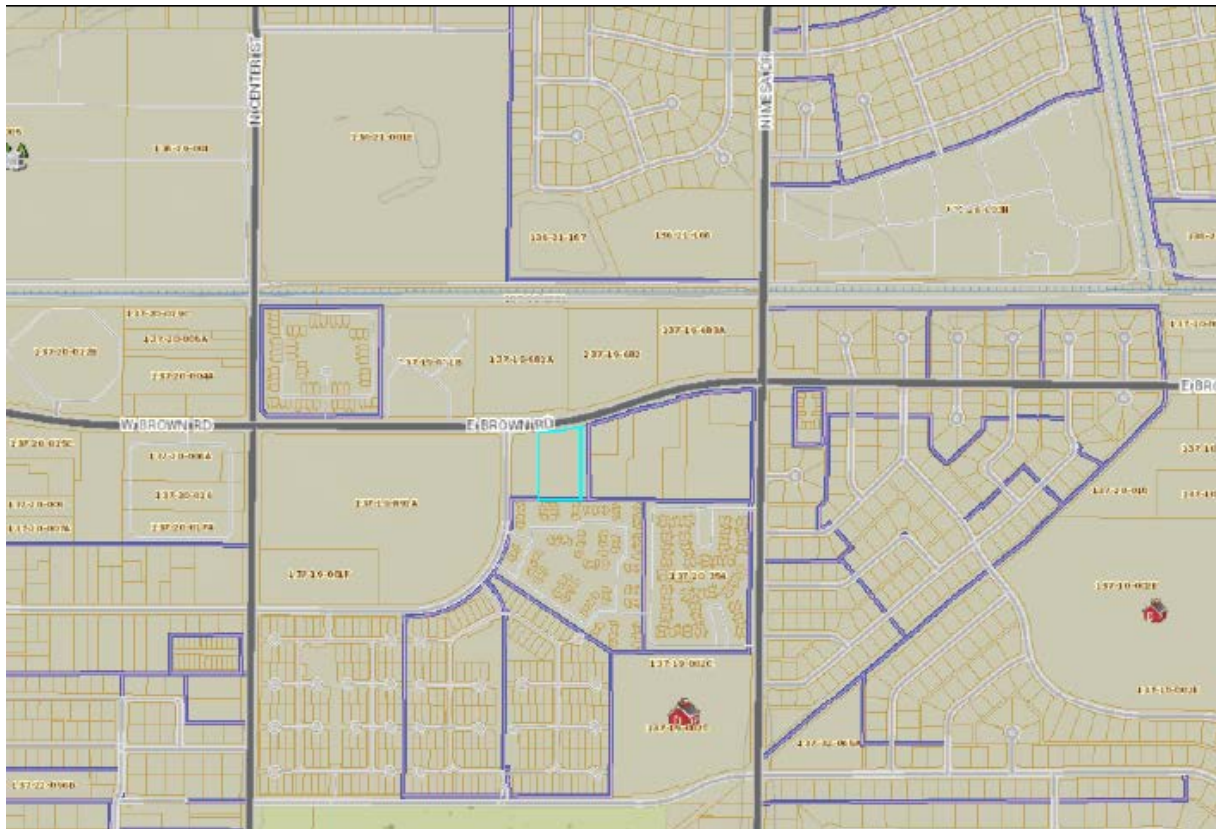
PROPOSAL: 70-foot stealth mono-pine with ancillary equipment.

LOCATION: 223 E Brown Road, Mesa, Arizona

SIZE: 70-foot-tall mono-pine with 16' X 40' equipment enclosure.

APPLICANT: Lendlease (T-Mobile), 4636 E. Ellwood Street, Suite 7, Phoenix AZ 85040

CONTACT PERSON: Joe Engbrocks, Phone: 480-812-5301 Email: jengbrocks@centerlinesolutions.com



Purpose of Request

Lendlease is requesting a Special Use Permit to facilitate a new multi-carrier stealth wireless communication facility. The site is needed to fill a significant gap in coverage in the area near Mesa Drive and Brown Road.

11-35-3 General Requirements

A. Federal & State Requirements

The proposed site meets or exceeds the standards and regulations of all Federal and State agencies with authority to regulate towers and antennas, including but not limited to the FCC, FAA and Arizona State Historic Preservation Office.

B. Building Code & Safety Standards

The proposed site will be built and maintained in compliance with all State and local building codes and standards.

11-35-4 Application Requirements

A. Pre-application meeting required

A pre-application meeting was held with staff on November 2 2017.

B. Map & Inventory of existing sites

See attached Exhibit "B" Existing Facilities Map & Inventory.

C. Description of proposed facility

The proposed facility will consist of a 70-foot-tall stealth mono-pine tower constructed to accommodate up to three wireless carriers. The initial construction will include the installation of 9 antennas and ancillary equipment for T-Mobile. All ground level radio equipment will be screened from view by a proposed masonry wall. Site plans and elevations included with submittal package as required.

There are no collocatable structures within the search area.

D. Compliance verification

RF Engineer testimony & report to be presented at Special Use Hearing.

E. Photo Simulations

See attached Exhibit "D" Photo Simulations.

F. Alternative Sites Analysis

See attached Exhibit "E" Alternative Sites Analysis.

11-35-5 Location Design and Operation Requirements

A. Location Preferences

The proposed site would qualify as a number five location preference based on its location in the Commercial Zone and stealth design. There are no collocatable structures or higher preference sites within the search area to meet the requirements of location preferences 1-4.

B. Design Preferences

The proposed site would qualify as a number 6 design preference based on its design as a stealth pine tree. There are no existing structures of sufficient height or capacity within the search area to meet the requirements of design preferences 1-5.

C. Location of Facilities

The proposed site a commercial district and placement on the property was selected to maximize setback from the residential areas to the south while utilizing existing structures and landscaping to further screen the facility from view. There are no existing WCF's within 1,000 feet of the proposed site.

D. Height of Facilities

Proposed free standing mono-pine tower will be 70 feet at the top of branches.

E. Required Separation and Setbacks

1. The proposed tower is setback 70 feet from the undeveloped residential lot to the west, 70 feet is required and 113 feet from existing multi-family development to the south, 70 feet is required.
2. The proposed tower is setback more than 232 feet from the nearest right-of-way, 70 feet is required.
3. Site meets the definition of alternative tower structure and is not required to meet tower to tower separation; that said there are no existing WCF's within 1,000 feet of the proposed site.
4. The proposed tower exceeds district setbacks, and proposed equipment will be screen from view by a new masonry wall and existing screen wall along property's southern border.

F. Design Standards

1. Does not apply, facility will be camouflaged.
2. Antenna mounts will not extend beyond faux branches
3. Does not apply, tower will be camouflaged.

4. Tower will be no more than 36" at its widest point, up to 48" allowed.
5. Tower will be clad in faux bark; antennas will be painted to match faux pine branches.
6. Proposed site features a stealth design to camouflage antennas; its location was selected due to setback from nearby residential uses and right-of-way and to take advantage of existing features to further minimize its visibility from adjacent properties.
7. Does not apply, site is not located in a front or corner side setback.
8. Does not apply, stealth facility.
9. Tower will not be lit and will be in compliance with all FAA requirements.
10. Proposed improvements include the addition of a new 6-foot-tall masonry wall that will completely conceal ground mounted equipment and base of tower.
11. Does not apply, site is not located in Desert Uplands.

G. Required Signs

Standard signage will be installed on enclosure gate identifying facility operator and 24-hour network operations center contact information. Sign will not exceed 16X32 inches

H. Required Landscaping

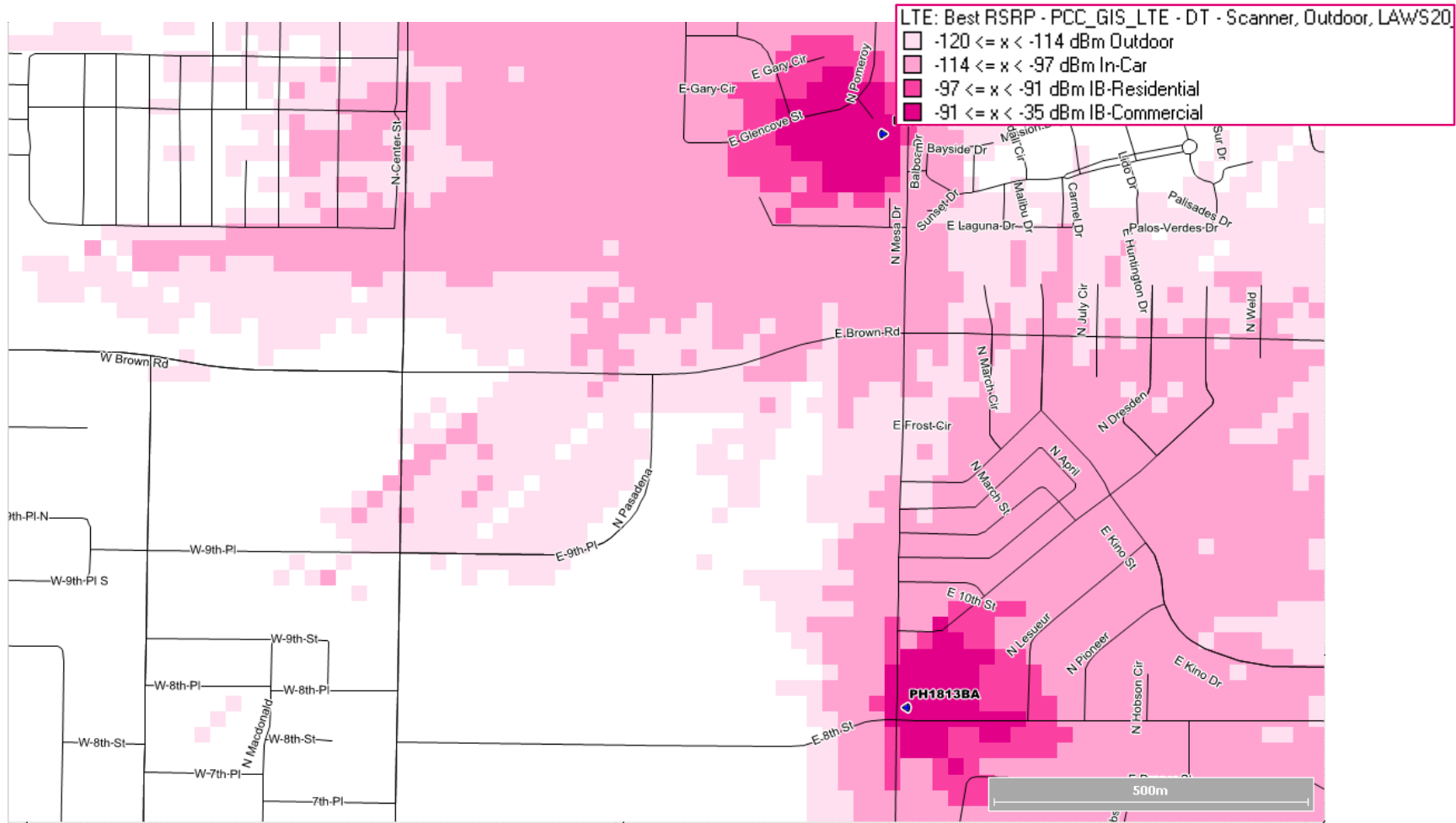
1. The base of tower and equipment facilities are sufficiently screened by a proposed 6-foot-tall masonry wall, an existing screen wall along southern perimeter of property and existing landscaping at the perimeter of the property. Additional live pines will be planted adjacent to site.
2. No mature trees will be disturbed as a result of this project.
3. Lot features existing street frontage landscaping.

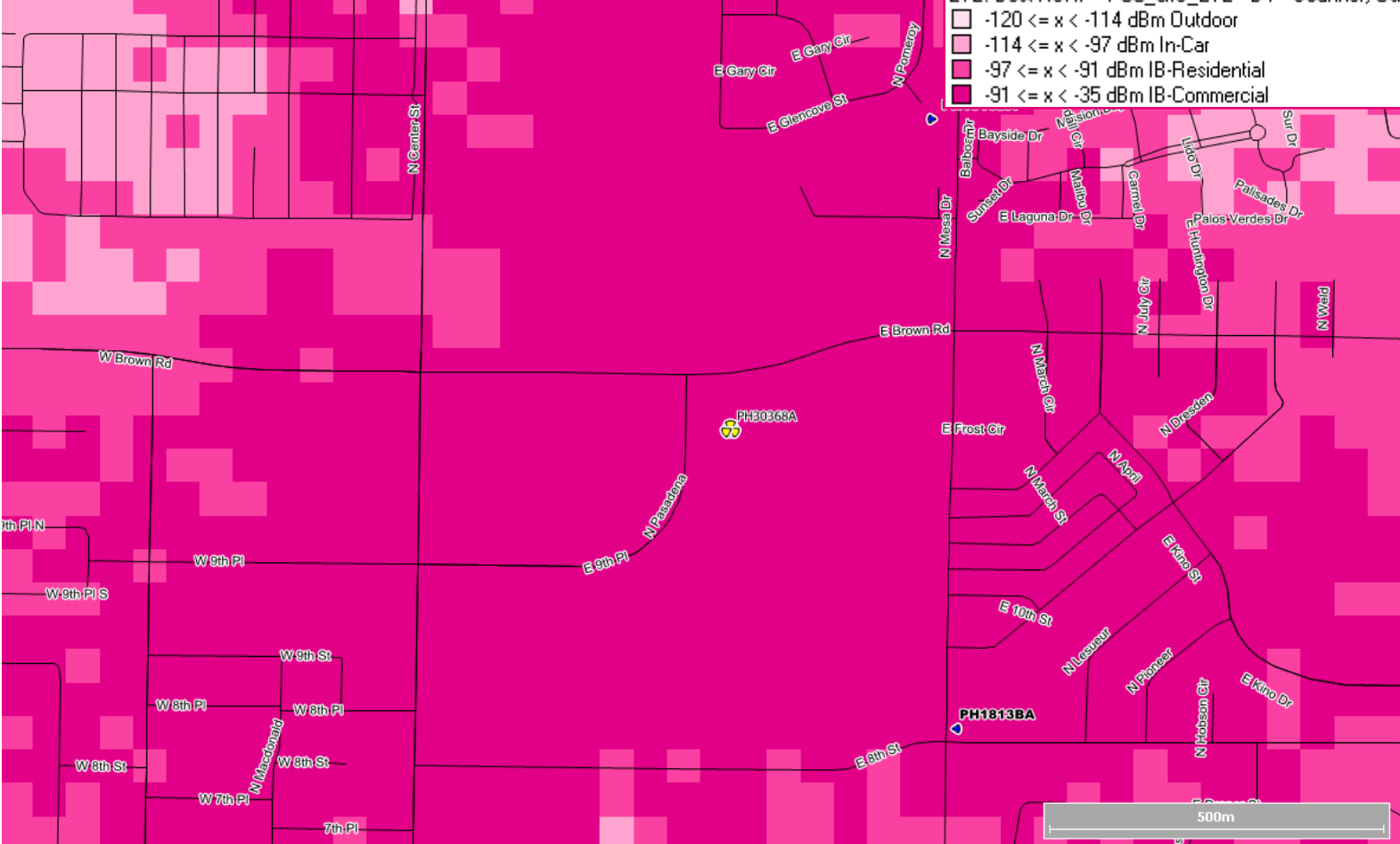
I. Operation & Maintenance Standards

The operator fully intends to comply with all City of Mesa operation requirements as listed in Section 11-35-5.

PH30368 – LAWS (L21) PCC Coverage Plot

L21 PCC Outdoor – Existing LTE Coverage





L21 PCC Outdoor – Existing LTE Coverage (Only have 2x Small Cells) with PH30368A @ 63ft RAD

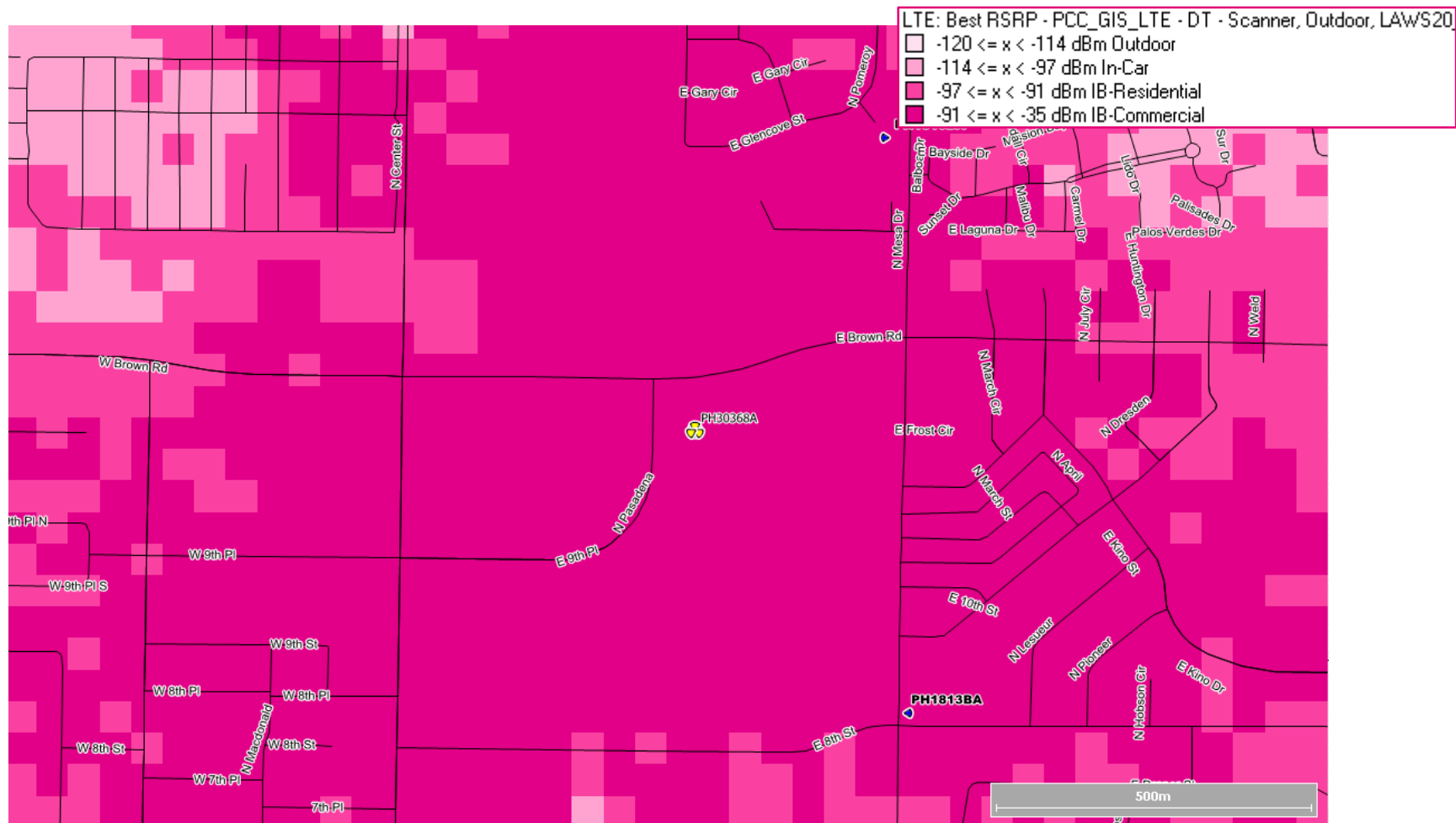


Exhibit “B”

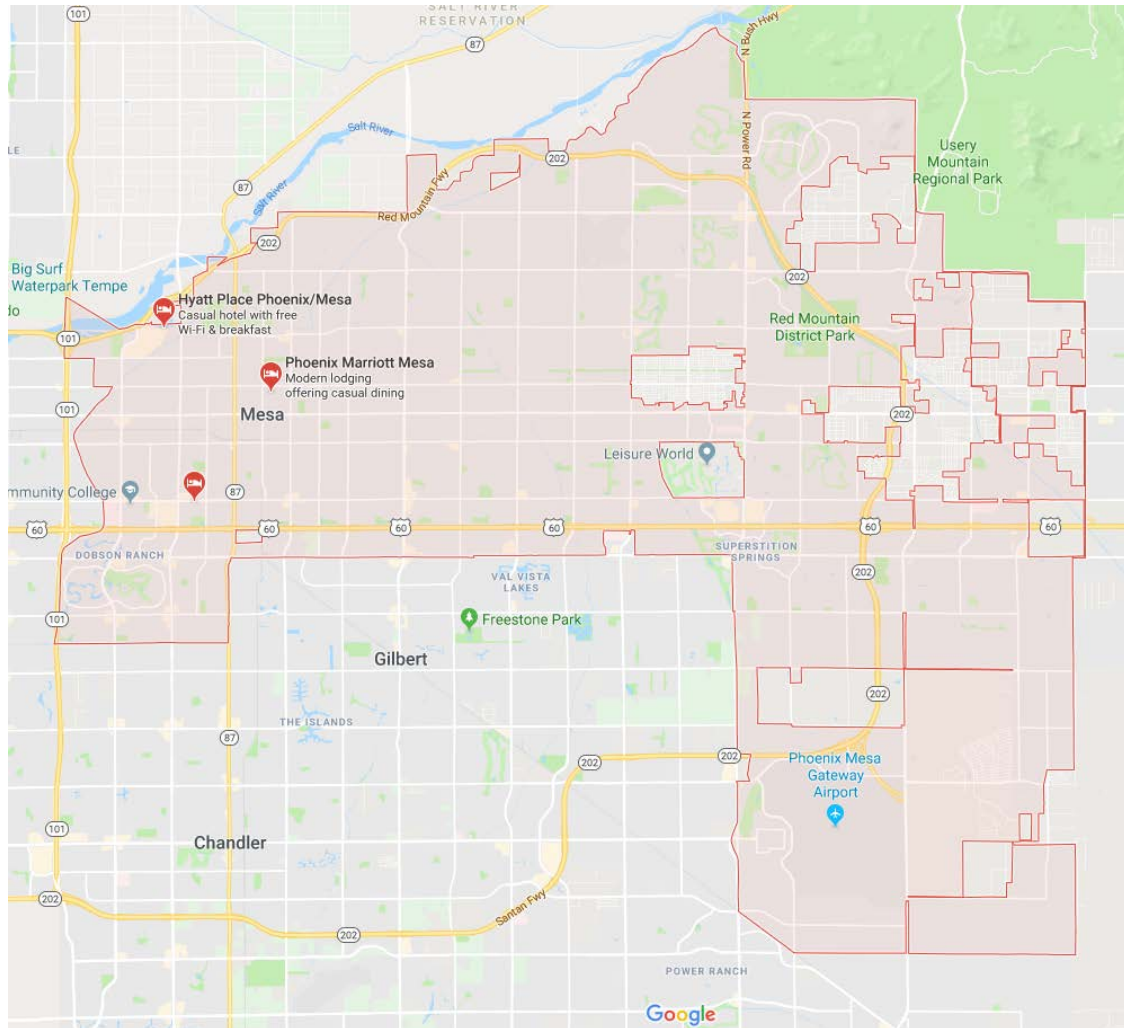
Existing Facilities Map & Inventory.

[ATTACHED]

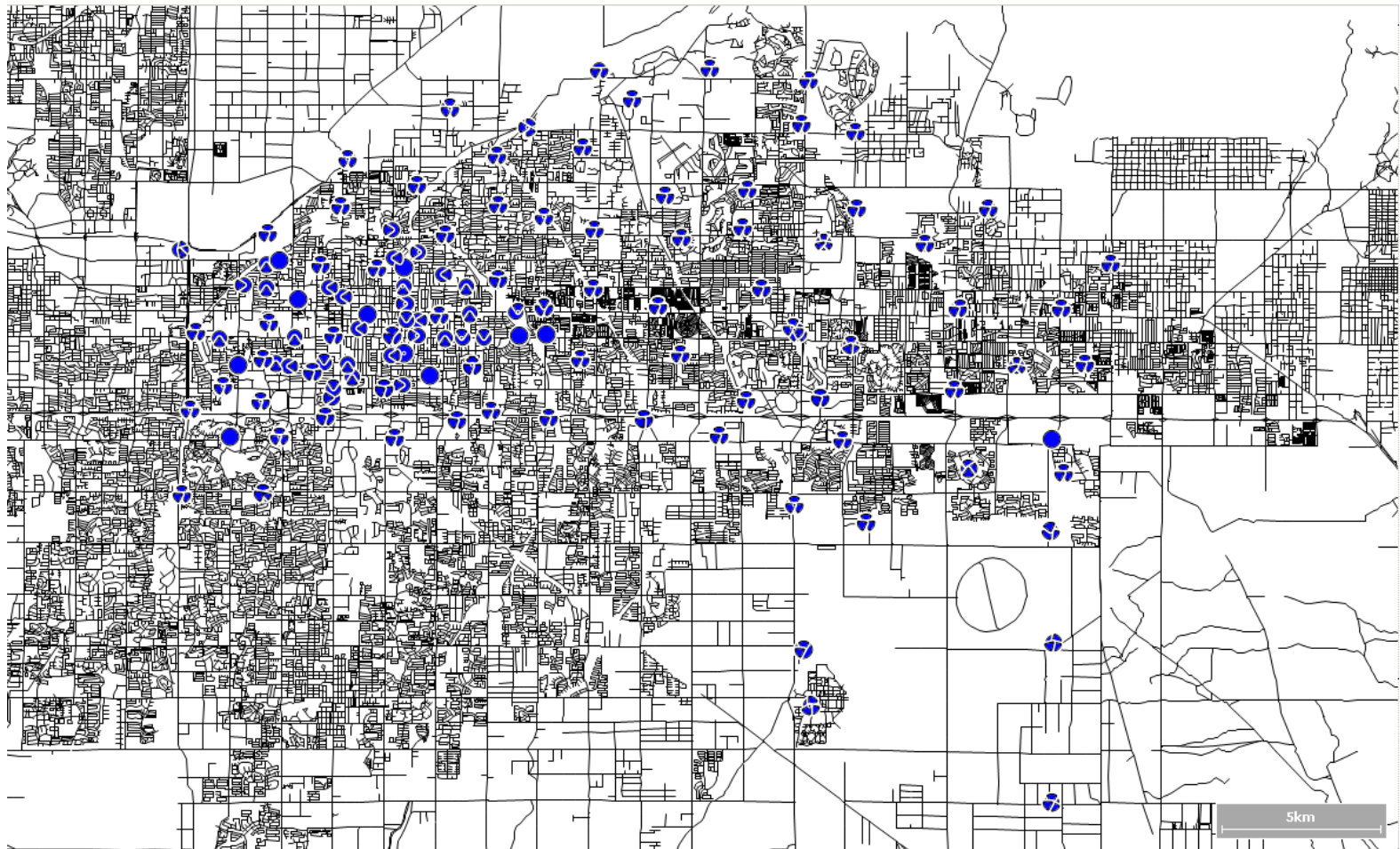


PH30368 – Map and Inventory of Existing Sites

City of Mesa (City Limits)



T-Mobile Sites in Mesa City Limits



Site Code	Site Name	Build Status	Site Status	Site Type	Site Class	Latitude	Longitude	Market	SubMarket	Address	County	City	State	Zip Code	Structure Owner	Design	Transmit Frequency Range	Recive Frequency Range
PH10217C	Crown: MCC College (825727)	Final Build	ON-AIR	Structure Non Building	Light Pole	33.38982342	-111.8671	PHOENIX (PX)	Phoenix Region 1 (PX01)	1833 W Southern Avenue	Maricopa	Mesa	ARIZONA (AZ)	85202	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10301C	Crown: Johnson Stewart (824917)	Final Build	ON-AIR	Structure Non Building	Monopole	33.43709958	-111.864999	PHOENIX (PX)	Phoenix Region 1 (PX01)	1564 N. Alma School Road	Maricopa	Mesa	ARIZONA (AZ)	85201	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10302C	Mesa School Dobson High	Final Build	ON-AIR	Structure Non Building	Light Pole	33.36377	-111.86592	PHOENIX (PX)	Phoenix Region 1 (PX01)	1501 W. Guadalupe Rd	Maricopa	Mesa	ARIZONA (AZ)	85202	School Dist	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10303A	Crown: 2003P Mesa (807368)	Final Build	ON-AIR	Structure Non Building	Self Support Tower	33.408306	-111.842611	PHOENIX (PX)	Phoenix Region 1 (PX01)	502 W. Broadway Rd	Maricopa	Mesa	ARIZONA (AZ)	85210	Crown Castle	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10304C	City of Mesa Communications	Final Build	ON-AIR	Structure Non Building	Self Support Tower	33.427256	-111.828093	PHOENIX (PX)	Phoenix Region 1 (PX01)	161 E. 6th Place	Maricopa	Mesa	ARIZONA (AZ)	85201	City of Mesa	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10306A	Crown: 2086P Superstition (807430)	Final Build	ON-AIR	Structure Non Building	Monopole	33.379651	-111.821601	PHOENIX (PX)	Phoenix Region 1 (PX01)	419 East Juanita Avenue	Maricopa	Mesa	ARIZONA (AZ)	85204	Crown Castle	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10309C	Falcon Plumbing	Final Build	ON-AIR	Structure Non Building	Self Support Tower	33.4593578	-111.78811	PHOENIX (PX)	Phoenix Region 1 (PX01)	2414 N. Gilbert Road	Maricopa	Mesa	ARIZONA (AZ)	85203	<undefined>	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10311A	Crown: Lindsay & Apache (807358)	Final Build	ON-AIR	Structure Non Building	Monopole	33.4166641	-111.771667	PHOENIX (PX)	Phoenix Region 1 (PX01)	2760 E. Main St	Maricopa	Mesa	ARIZONA (AZ)	85213	Crown Castle	4 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10312F	PTI ADOT: Pump #13	Final Build	ON-AIR	Structure Non Building	Monopole	33.38564	-111.769703	PHOENIX (PX)	Phoenix Region 1 (PX01)	1547 S. Lindsay	Maricopa	Mesa	ARIZONA (AZ)	85204	Netedgenetworks	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10313A	Crown: Able Steel Fabrications (822236)	Final Build	ON-AIR	Structure Non Building	Monopole	33.47569444	-111.742619	PHOENIX (PX)	Phoenix Region 1 (PX01)	4150 E. Quartz Circle	Maricopa	Mesa	ARIZONA (AZ)	85215	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10314A	Crown: Falcon Field (807306)	Final Build	ON-AIR	Structure Non Building	Self Support Tower	33.44841424	-111.731192	PHOENIX (PX)	Phoenix Region 1 (PX01)	1805 N 46th St	Maricopa	Mesa	ARIZONA (AZ)	85205	Crown Castle	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10315C	Crown: Wendt Lot (828991)	Final Build	ON-AIR	Structure Non Building	Monopole	33.41714	-111.733383	PHOENIX (PX)	Phoenix Region 1 (PX01)	4460 E. Main Street	Maricopa	Mesa	ARIZONA (AZ)	85205	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10316A	Crown: Recker & 360 (807402)	Final Build	ON-AIR	Structure Non Building	Monopole	33.39083096	-111.703614	PHOENIX (PX)	Phoenix Region 1 (PX01)	1540 S. Recker Rd. CO-3	Maricopa	Mesa	ARIZONA (AZ)	85206	Crown Castle	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10319B	ASi: Banner Baywood Hospital	Final Build	ON-AIR	Building	Roof Top Mount	33.40977828	-111.686387	PHOENIX (PX)	Phoenix Region 1 (PX01)	6644 Baywood Ave.	Maricopa	Mesa	ARIZONA (AZ)	85206	<undefined>	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10324B	Crown: C2 land / R Loewenstein (822875)	Final Build	ON-AIR	Structure Non Building	Monopole	33.39430184	-111.63361	PHOENIX (PX)	Phoenix Region 1 (PX01)	1048 S. Ellsworth Rd.	Maricopa	Mesa	ARIZONA (AZ)	85208	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10325C	Crown: Aback Welding (822235)	Final Build	ON-AIR	Structure Non Building	Monopole	33.3565	-111.66275	PHOENIX (PX)	Phoenix Region 1 (PX01)	3256 S. 80th Street	Maricopa	Phoenix	ARIZONA (AZ)	85212	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10327A	Crown: 2003P #D (806175)	Final Build	ON-AIR	Structure Non Building	Self Support Tower	33.40165	-111.589771	PHOENIX (PX)	Phoenix Region 1 (PX01)	750 S. 112th Street	Maricopa	Mesa	ARIZONA (AZ)	85208	Crown Castle	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10328H	Crown: CABCO (857206)	Final Build	ON-AIR	Structure Non Building	Monopole	33.40899756	-111.888917	PHOENIX (PX)	Phoenix Region 1 (PX01)	2627 West Birchwood Circle	Maricopa	Mesa	ARIZONA (AZ)	85281	AT&T West	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10331B	PTI Sky High School	Final Build	ON-AIR	Structure Non Building	Light Pole	33.401175	-111.612678	PHOENIX (PX)	Phoenix Region 1 (PX01)	845 S. Crismon	Maricopa	Mesa	ARIZONA (AZ)	85208	MESA UNIFIED SCHOOL DISTRICT NO 4	6 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10332E	Crown: Living Word (825408)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.43882306	-111.755028	PHOENIX (PX)	Phoenix Region 1 (PX01)	3520 E Brown Rd	Maricopa	Mesa	ARIZONA (AZ)	85213	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10338D	Crown: First Baptist Church (824056)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.43645018	-111.725777	PHOENIX (PX)	Phoenix Region 1 (PX01)	4801 E. Brown Rd	Maricopa	Mesa	ARIZONA (AZ)	85205	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10345A	Crown: CoLo Jensen (871827)	Final Build	ON-AIR	Structure Non Building	Monopole	33.44552617	-111.62247	PHOENIX (PX)	Phoenix Region 1 (PX01)	1720 N. 100th Street	Maricopa	Maricopa County	ARIZONA (AZ)	85207	Crown Castle	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10347C	Crown: CAP: RED MOUNTAIN (822920)	Final Build	ON-AIR	Structure Non Building	Monopole	33.48129445	-111.683208	PHOENIX (PX)	Phoenix Region 1 (PX01)	3611 N. Power Rd.	Maricopa	Mesa	ARIZONA (AZ)	85207	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10348C	PTI Chaparral City Park	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.44552682	-111.787361	PHOENIX (PX)	Phoenix Region 1 (PX01)	1635 N. Gilbert Rd.	Maricopa	Mesa	ARIZONA (AZ)	85213	City of Mesa	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10349A	Crown: Stapley Jr High (828210)	Final Build	ON-AIR	Structure Non Building	Monopole	33.461851	-111.758903	PHOENIX (PX)	Phoenix Region 1 (PX01)	3250 East Hermosa Vista Drive	Maricopa	Mesa	ARIZONA (AZ)	85213	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10350E	SRP Kirk Sub Stn	Final Build	ON-AIR	Structure Non Building	Monopole	33.46675	-111.667278	PHOENIX (PX)	Phoenix Region 1 (PX01)	2832 N. Sossaman Rd	Maricopa	Mesa	ARIZONA (AZ)	85207	SRP	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10351A	Crown: Grace United Church (824289)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.42469393	-111.787054	PHOENIX (PX)	Phoenix Region 1 (PX01)	501 N. Gilbert Rd	Maricopa	Mesa	ARIZONA (AZ)	85213	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10352F	Crown: Bunkers Funeral (822842)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.42221868	-111.755118	PHOENIX (PX)	Phoenix Region 1 (PX01)	3529 E. University Dr.	Maricopa	Mesa	ARIZONA (AZ)	85213	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10353B	Crown: Kerbys Furniture (825005)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.40852377	-111.822667	PHOENIX (PX)	Phoenix Region 1 (PX01)	422 E. Broadway	Maricopa	Mesa	ARIZONA (AZ)	85204	Crown Castle-T3	6 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10354E	Crown: Mesa High School (825957)	Final Build	ON-AIR	Structure Non Building	Light Pole	33.400136	-111.795535	PHOENIX (PX)	Phoenix Region 1 (PX01)	1753 E. 8th Avenue	Maricopa	Mesa	ARIZONA (AZ)	85204	Crown Castle-T3	6 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10355B	Crown: Taylor JH (828357)	Final Build	ON-AIR	Structure Non Building	Light Pole	33.40233333	-111.759389	PHOENIX (PX)	Phoenix Region 1 (PX01)	705 S. 32nd St	Maricopa	Mesa	ARIZONA (AZ)	85204	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10356D	Crown: Sunland Village Golf Club (828298)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.40380306	-111.725662	PHOENIX (PX)	Phoenix Region 1 (PX01)	725 S. Rochester	Maricopa	Mesa	ARIZONA (AZ)	85206	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10357D	Crown: De Rito Property (823654)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.40674767	-111.668221	PHOENIX (PX)	Phoenix Region 1 (PX01)	450 South Sossaman Road	Maricopa	Mesa	ARIZONA (AZ)	85208	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10358D	Crown: RAE Monopolel (826873)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.37981	-111.85982	PHOENIX (PX)	Phoenix Region 1 (PX01)	1930 S. Alma School Rd	Maricopa	Mesa	ARIZONA (AZ)	85210	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10359B	ATC: Ellsworth (300557)	Final Build	ON-AIR	Structure Non Building	Monopole	33.38097222	-111.712389	PHOENIX (PX)	Phoenix Region 1 (PX01)	5524 E Baseline rd	Maricopa	Mesa	ARIZONA (AZ)	85206	American Tower	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10360A	Crown: Desert Sands Golf Course (823709)	Final Build	ON-AIR	Structure Non Building	Monopole	33.37971878	-111.671057	PHOENIX (PX)	Phoenix Region 1 (PX01)	1922 S. 74th St.	Maricopa	Mesa	ARIZONA (AZ)	85208	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10362D	Crown: Farnsworth Homes (824013)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.37091777	-111.59644	PHOENIX (PX)	Phoenix Region 1 (PX01)	11041 E. Medina Ave.	Maricopa	Mesa	ARIZONA (AZ)	85209	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10365C	Crown: Brimhall Chiropractic (822785)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.44496489	-111.840304	PHOENIX (PX)	Phoenix Region 1 (PX01)	1626 N Country Club	Maricopa	Mesa	ARIZONA (AZ)	85201	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10366A	Crown: Sprint (Global) University (879275)	Final Build	ON-AIR	Structure Non Building	Monopole	33.422416	-111.698595	PHOENIX (PX)	Phoenix Region 1 (PX01)	6159 E University Dr	Maricopa	Mesa	ARIZONA (AZ)	85205	Crown Castle	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10369I	SBA: Commerce Monopole (AZ40528-A-01)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.32080555	-111.683472	PHOENIX (PX)	Phoenix Region 1 (PX01)	5229 S. Saranac Street	Maricopa	Mesa	ARIZONA (AZ)	85212	SBA - Mobilitie	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10371A	Crown: Red Mt United Meth Church (826922)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.46905555	-111.685583	PHOENIX (PX)	Phoenix Region 1 (PX01)	2936 N. Power Rd	Maricopa	Mesa	ARIZONA (AZ)	85215	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10372A	Crown: Grace Church (824288)	Final Build	ON-AIR	Structure Non Building	Monocross	33.435378	-111.643791	PHOENIX (PX)	Phoenix Region 1 (PX01)	8701 E. Brown Rd	Maricopa	Mesa	ARIZONA (AZ)	85207	Crown Castle-T3	3 Sector	1930-1945(PC5); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PC5); 1735-1755(AWS); 698-703(700); 627-637(600)
PH10374C	Crown: King																	

PH30238A	Crown: Brock Building (879278)	Final Build	ON-AIR	Structure Non Building	Monopole	33.43216418	-111.894499	PHOENIX (PX)	Phoenix Region 1 (PX01)	2150 E. Rio Salado Parkway	Maricopa	Tempe	ARIZONA (AZ)	85280	Crown Castle	6 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30248D	Crown: ADOT: Swim Club (822276)	Final Build	ON-AIR	Structure Non Building	Monopole	33.3631959	-111.892858	PHOENIX (PX)	Phoenix Region 1 (PX01)	2725 W. Guadalupe Road.	Maricopa	Mesa	ARIZONA (AZ)	85202	Crown Castle-T3	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30347A	PTI Adams Elementary	Final Build	ON-AIR	Structure Non Building	Light Pole	33.40161111	-111.866306	PHOENIX (PX)	Phoenix Region 1 (PX01)	738 S Longmore	Maricopa	Mesa	ARIZONA (AZ)	85202	MESA UNIFIED SCHOOL DISTRICT NO 4	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30349D	Crown: EVIT School (823977)	Final Build	ON-AIR	Structure Non Building	Monopole	33.41263889	-111.864583	PHOENIX (PX)	Phoenix Region 1 (PX01)	1601 W. Main	Maricopa	Mesa	ARIZONA (AZ)	85202	Crown Castle-T3	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30360C	Crown: Pole Mini Mrkt (839610)	Final Build	ON-AIR	Structure Non Building	Monopole	33.45097222	-111.81475	PHOENIX (PX)	Phoenix Region 1 (PX01)	735 E McKellips	Maricopa	Mesa	ARIZONA (AZ)	85201	Crown Castle	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30362B	Crown: ADOT:East Valley Auto Mal (822277)	Final Build	ON-AIR	Structure Non Building	Monopole	33.38555455	-111.737783	PHOENIX (PX)	Phoenix Region 1 (PX01)	1616 S. Greenfield road	Maricopa	Mesa	ARIZONA (AZ)	85206	Crown Castle-T3	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30363H	Crown: Superstition Springs Comm (828309)	Final Build	ON-AIR	Structure Non Building	Monopole	33.39166442	-111.678664	PHOENIX (PX)	Phoenix Region 1 (PX01)	1250 S. Clearview Avenue	Maricopa	Mesa	ARIZONA (AZ)	85208	Crown Castle-T3	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30364A	Red Mountain High School	Final Build	ON-AIR	Structure Non Building	Light Pole	33.43551	-111.677766	PHOENIX (PX)	Phoenix Region 1 (PX01)	7301 E. Brown Road	Maricopa	Mesa	ARIZONA (AZ)	85207	Mesa Unified School Dist #4	6 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30366E	Westwood High School	Final Build	ON-AIR	Structure Non Building	Light Pole	33.4282233	-111.846883	PHOENIX (PX)	Phoenix Region 1 (PX01)	945 W. 8th Street	Maricopa	Mesa	ARIZONA (AZ)	85201	Mesa Unified School District	6 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30367A	Crown : AZ Lehi (802466)	Final Build	ON-AIR	Structure Non Building	Monopole	33.458008	-111.837591	PHOENIX (PX)	Phoenix Region 1 (PX01)	2345 N. Country Club	Maricopa	Mesa	ARIZONA (AZ)	85201	Crown Castle	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30369B	Crown: ADOT RL Val Vista & 202 (822271)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.48391564	-111.753609	PHOENIX (PX)	Phoenix Region 1 (PX01)	3404 N. Val Vista Dr	Maricopa	Mesa	ARIZONA (AZ)	85213	Crown Castle-T3	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30370E	PTI Wirth Property	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.48455175	-111.716308	PHOENIX (PX)	Phoenix Region 1 (PX01)	3725 N. Higley Rd.	Maricopa	Mesa	ARIZONA (AZ)	85213	Netedgenetworks	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30371B	Crown: Budget Self Storage (822831)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.39361111	-111.825139	PHOENIX (PX)	Phoenix Region 1 (PX01)	240 E. Southern Ave	Maricopa	Mesa	ARIZONA (AZ)	85210	Crown Castle-T3	6 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30372B	Crown: Shepherd Jr. High (827875)	Final Build	ON-AIR	Structure Non Building	Light Pole	33.43958286	-111.704943	PHOENIX (PX)	Phoenix Region 1 (PX01)	1407 N. Alta Mesa Dr.	Maricopa	Mesa	ARIZONA (AZ)	85205	Crown Castle-T3	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30373A	Crown: Qwest Monopole (839500)	Final Build	ON-AIR	Structure Non Building	Monopole	33.38744752	-111.789278	PHOENIX (PX)	Phoenix Region 1 (PX01)	1564 S. Gilbert	Maricopa	Mesa	ARIZONA (AZ)	85204	Crown Castle	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30374D	Crown: La Paz Pools (825098)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.39357863	-111.87947	PHOENIX (PX)	Phoenix Region 1 (PX01)	2242 W. Southern Ave	Maricopa	Mesa	ARIZONA (AZ)	85202	Crown Castle-T3	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30375C	Crown: Powell Jr High School (826798)	Final Build	ON-AIR	Structure Non Building	Monopole	33.39797144	-111.849643	PHOENIX (PX)	Phoenix Region 1 (PX01)	855 W 8th Ave	Maricopa	Mesa	ARIZONA (AZ)	85210	Crown Castle-T3	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30376A	Crown: Frys Plaza (824160)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.45033333	-111.703417	PHOENIX (PX)	Phoenix Region 1 (PX01)	5901 E Mc kelliips Rd	Maricopa	Mesa	ARIZONA (AZ)	85205	Crown Castle-T3	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30378E	Crown: Augusta Ranch Golf Course (822447)	Final Build	ON-AIR	Structure Non Building	Monopole	33.37225	-111.628694	PHOENIX (PX)	Phoenix Region 1 (PX01)	2401 S. Lansing	Maricopa	Mesa	ARIZONA (AZ)	85212	Crown Castle-T3	4 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30380D	Crown: Nissle Property (826241)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.43694435	-111.805001	PHOENIX (PX)	Phoenix Region 1 (PX01)	1215 E. Brown Rd	Maricopa	Mesa	ARIZONA (AZ)	85301	Crown Castle-T3	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30381E	Crown: Central Self Storage (823376)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.41730797	-111.63239	PHOENIX (PX)	Phoenix Region 1 (PX01)	107 N. Ellsworth Rd.	Maricopa	Mesa	ARIZONA (AZ)	85207	Crown Castle-T3	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30382E	Crown: Alfalfa 03XC078A (879254)	Final Build	ON-AIR	Structure Non Building	Monopole	33.44527777	-111.666666	PHOENIX (PX)	Phoenix Region 1 (PX01)	7750 E. Brown Rd	Maricopa	Mesa	ARIZONA (AZ)	85207	Crown Castle	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30386E	SRP Lehi Canal Sub Stn	Final Build	ON-AIR	Structure Non Building	Monopole	33.467681	-111.777595	PHOENIX (PX)	Phoenix Region 1 (PX01)	2400 E. McDowell Rd	Maricopa	Mesa	ARIZONA (AZ)	85213	SRP	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30407A	ATC: SpectraSite-Golden Key (300568)	Final Build	ON-AIR	Structure Non Building	Monopole	33.38472222	-111.800556	PHOENIX (PX)	Phoenix Region 1 (PX01)	1500 E. Baseline Road	Maricopa	Mesa	ARIZONA (AZ)	85204	American Tower	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30415D	Crown: Liberty School (825374)	Final Build	ON-AIR	Structure Non Building	Palm Tree	33.361415	-111.687295	PHOENIX (PX)	Phoenix Region 1 (PX01)	3015 Power Rd	Maricopa	Mesa	ARIZONA (AZ)	85212	Crown Castle-T3	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30416A	ASU East WATER TANK	Final Build	ON-AIR	Structure Non Building	Watertank	33.30497222	-111.681167	PHOENIX (PX)	Phoenix Region 1 (PX01)	6115 S. Sagewood	Maricopa	Mesa	ARIZONA (AZ)	85212	US Airforce	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH30424E	Gateway Academy	Final Build	ON-AIR	Structure Non Building	Light Pole	33.32306112	-111.5996472	PHOENIX (PX)	Phoenix Region 1 (PX01)	5149 S. Signal Butte Rd.	Maricopa	Mesa	ARIZONA (AZ)	85212	<undefined>	3 Sector	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH33415A	IN_SRPMIC_Lehi_Community_Center	Final Build	ON-AIR	Building	Roof Top Mount	33.472768	-111.804258	PHOENIX (PX)	Phoenix Region 1 (PX01)	1231 E OAK ST N	Maricopa	Mesa	ARIZONA (AZ)	85203	<undefined>	DAS	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)
PH37508A	IN_DAS_Mesa_Arts_Center	Final Build	ON-AIR	Engineering DAS	In-Building BTS	33.414414	-111.831026	PHOENIX (PX)	Phoenix Region 1 (PX01)	One East Main St	Maricopa	Mesa	ARIZONA (AZ)	85210	<undefined>	DAS	1930-1945(PCS); 2135-2155(AWS); 728-733(700); 673-683(600)	1850-1865(PCS); 1735-1755(AWS); 698-703(700); 627-637(600)

Exhibit “D”

Photo Simulations.

[ATTACHED]

T-Mobile Site Name: Fitch Plaza
T-Mobile Site Number: PH30368A



Existing View from the East



New 70' Monopine w/ New T-Mobile Antennas & Equipment



(This photo simulation is for illustrative purposes only)



T-Mobile Site Name: Fitch Plaza
T-Mobile Site Number: PH30368A



Existing View from the South



New 70' Monopine w/ New T-Mobile Antennas & Equipment



(This photo simulation is for illustrative purposes only)



T-Mobile Site Name: Fitch Plaza
T-Mobile Site Number: PH30368A



Existing View from the Southwest



New 70' Lendlease (US)
Telecom Holdings LLC c/o
Parallel Infrastructures Tower
Development LLC High
Monopine w/ New T-Mobile
Antennas & Ancillary Equipment

New 70' Monopine w/ New T-Mobile Antennas & Equipment



(This photo simulation is for illustrative purposes only)

T-Mobile Site Name: Fitch Plaza
T-Mobile Site Number: PH30368A



Existing View from the West



New 70' Monopine w/ New T-Mobile Antennas & Equipment



(This photo simulation is for illustrative purposes only)



Exhibit "E"

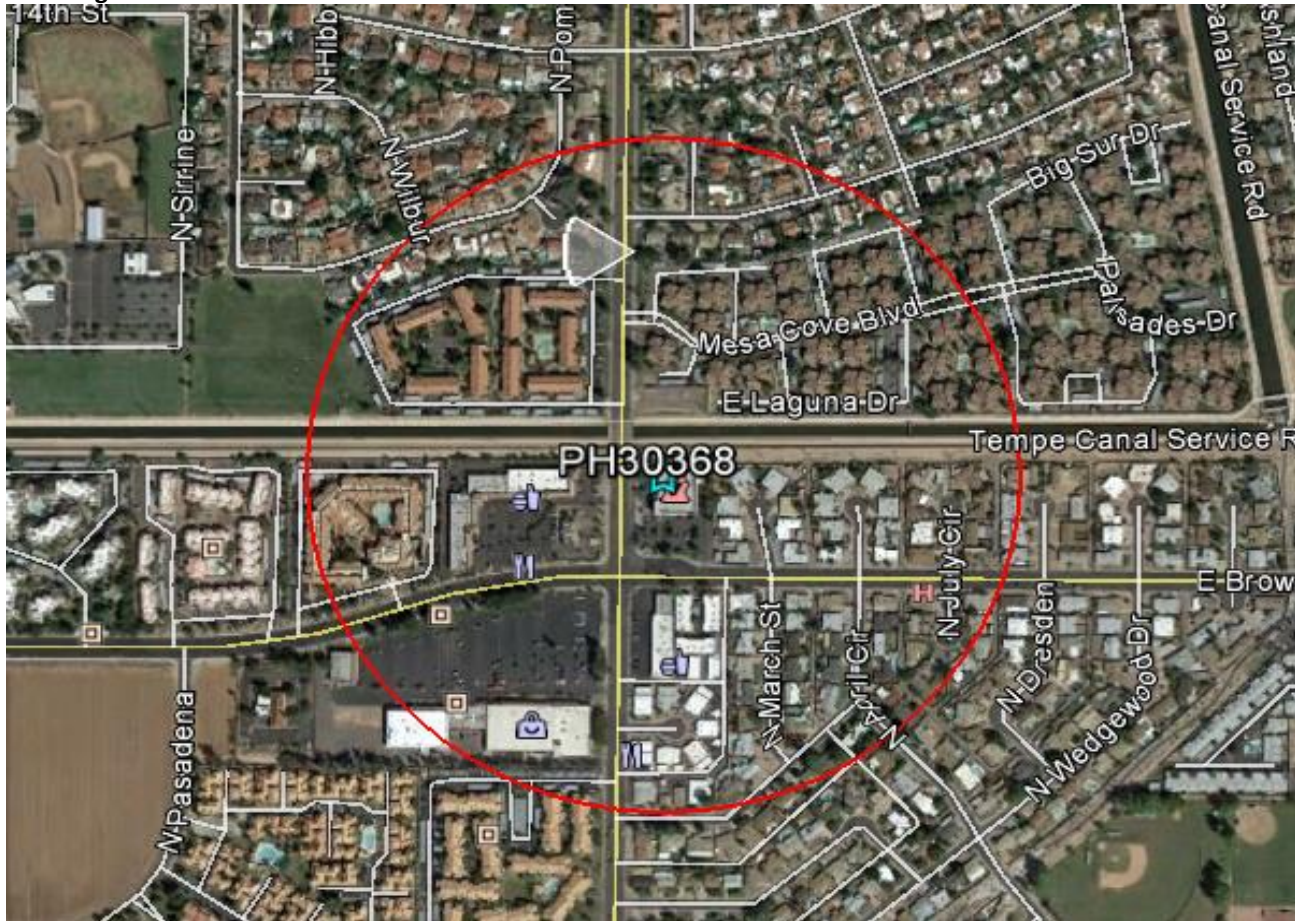
Alternative Sites Analysis.

- 1. Existing Monopalm- 318 E. Brown Road Existing structure within search area, tower is not collocatable due to design as a faux palm tree.**
- 2. Raw Land Tower Site-1105 NE Mesa Drive- Property is located within search area, no space on site to fit tower compound and meet setbacks.**

No additional collocatable structures were located within the search ring.

Ring ID	PH30368	Latitude	33.436459	Date	5/22/2017
Ring Name	Pump Station	Longitude	-111.822234		
City	Mesa				
Ring Address		TMO Engineer	Gurpreet Singh	Design Engineer	David Castañeda

Search Ring



Outdoor\In-Building Coverage Improvement

Coverage Objective

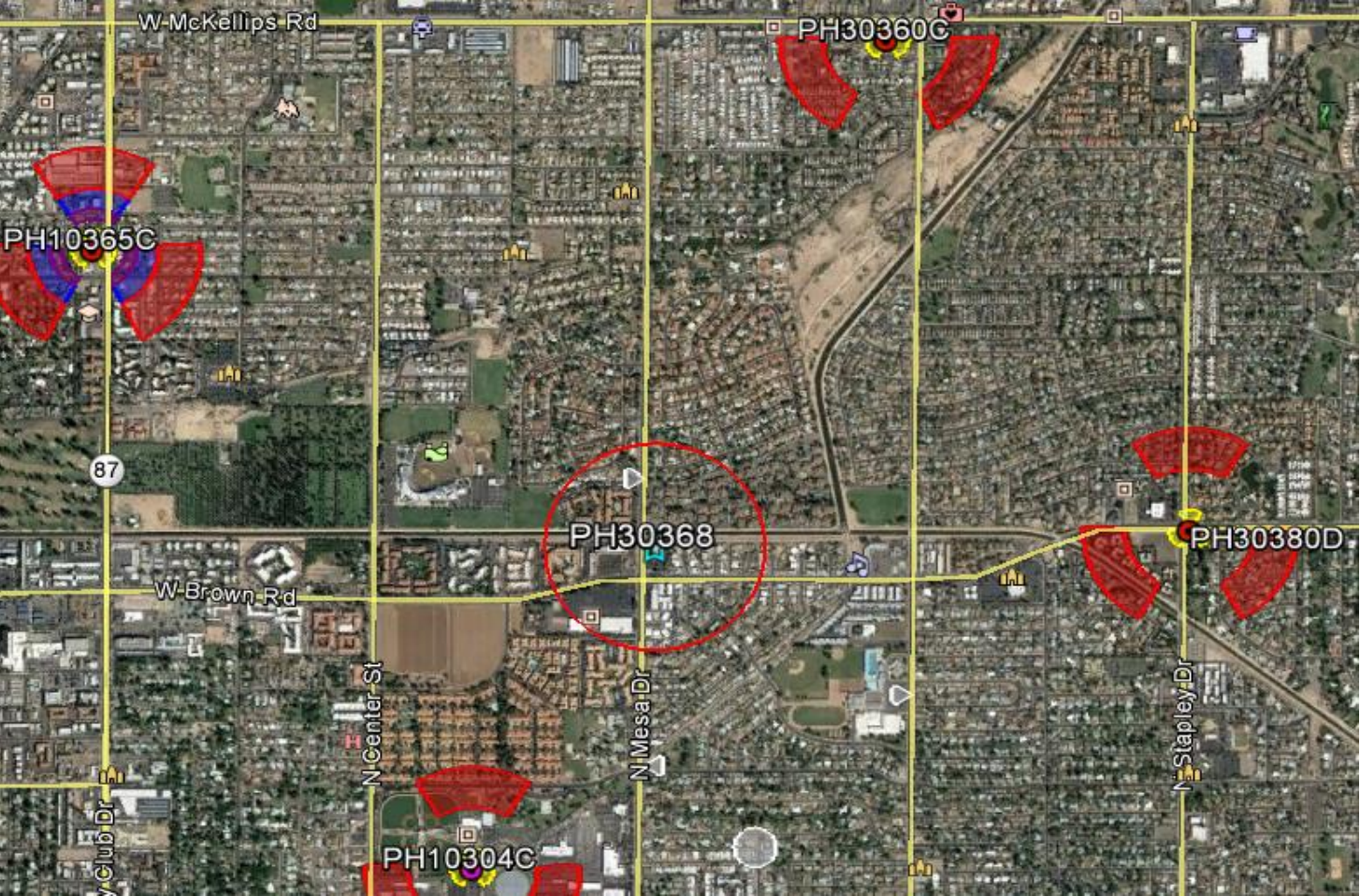
PH30368 _NSD - Coverage Improvement

RF Design

Rad Center	65 Feet	AMSL		Azimuths	Pending Candidate
Technology	UMTS, LTE	Sector #	3	Spectrum	U19\L21\L19\L7
Design ID	N_791R	Candidate	A-B-C		

Ring ID	PH30368
Ring Name	Pump Station

Surrounding Sites



Priority Build	NSD - Cell Split
Market Comments	PH10365C2 - Sector (Congestion Offload)

Possible tower collocations:	TBD
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