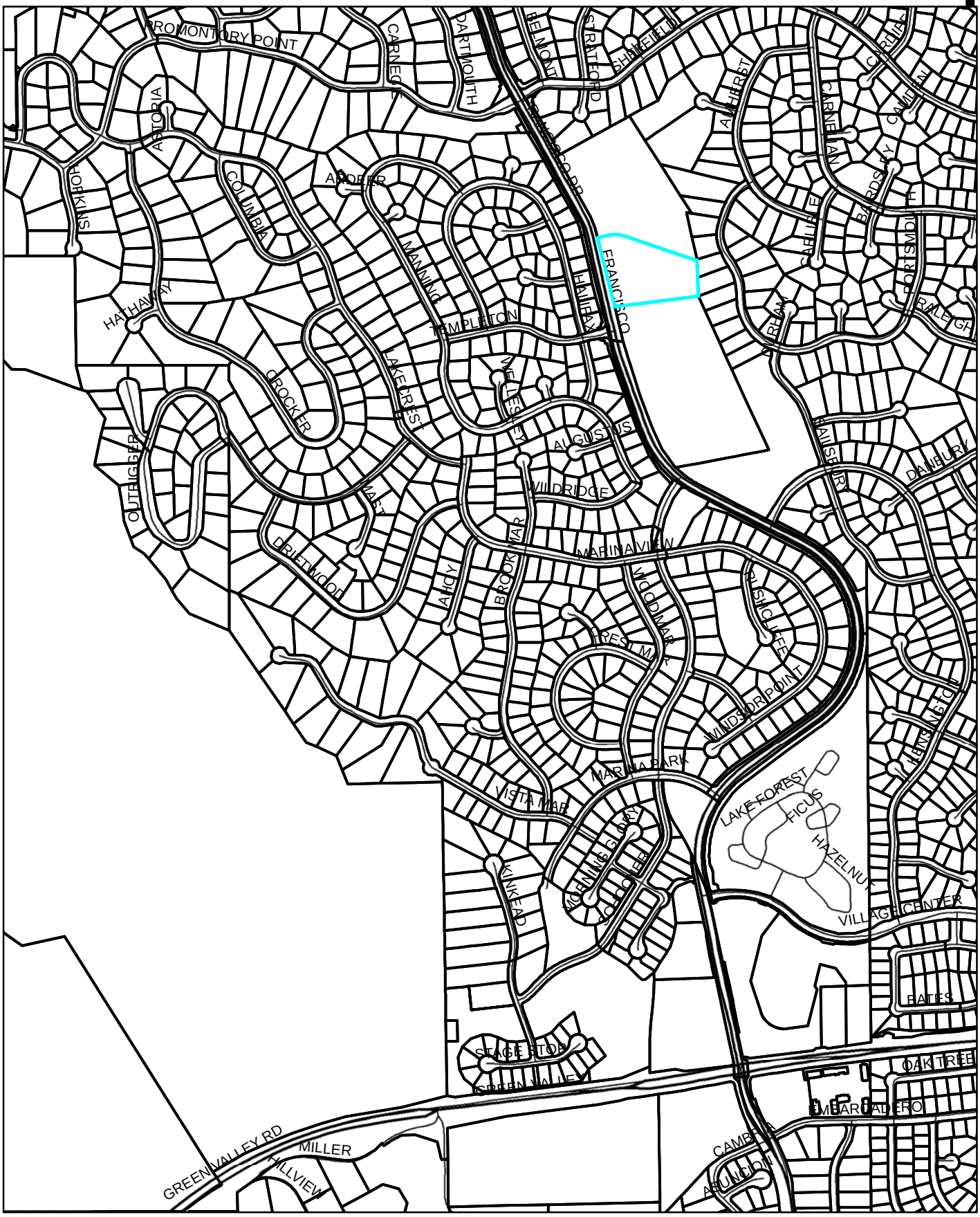
Exhibit A: Location Map



Prepared by:
Isaac Wolf
Planning Services Department
July 5, 2018

Project No. S18-0010
Lake Forest Park/Verizon Wireless
APN: 110-020-29

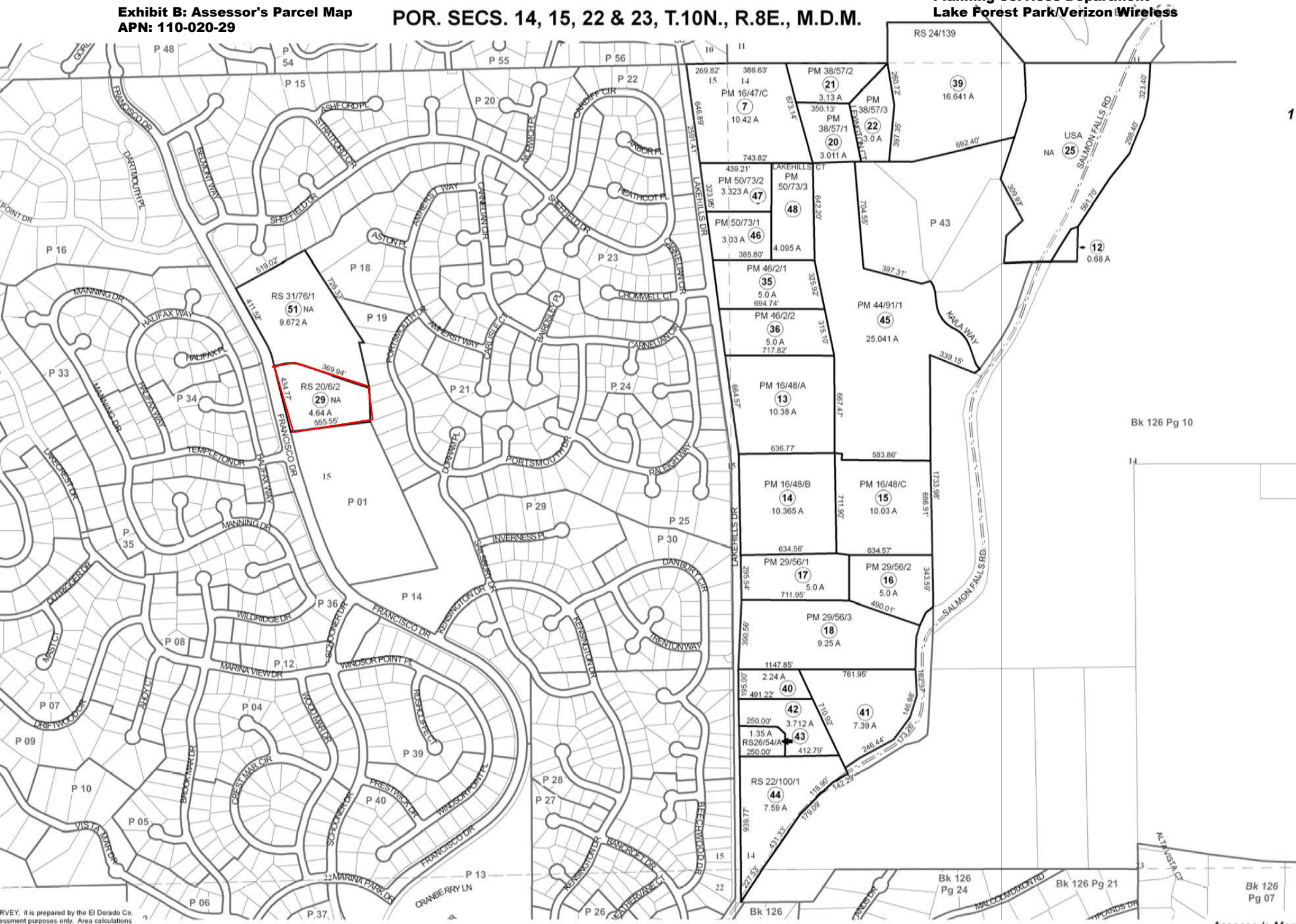
0.3 Miles

Scale: 1:10,000

Exhibit B: Assessor's Parcel Map
APN: 110-020-29

POR. SECS. 14, 15, 22 & 23, T.10N., R.8E., M.D.M.

Project No. S18-0010
Planning Services Department
Lake Forest Park/Verizon Wireless



RVEY, it is prepared by the El Dorado Co.
ssment purposes only. Area calculations
ot guaranteed. Users should verify items
acreage.

Acreages Are Estimates

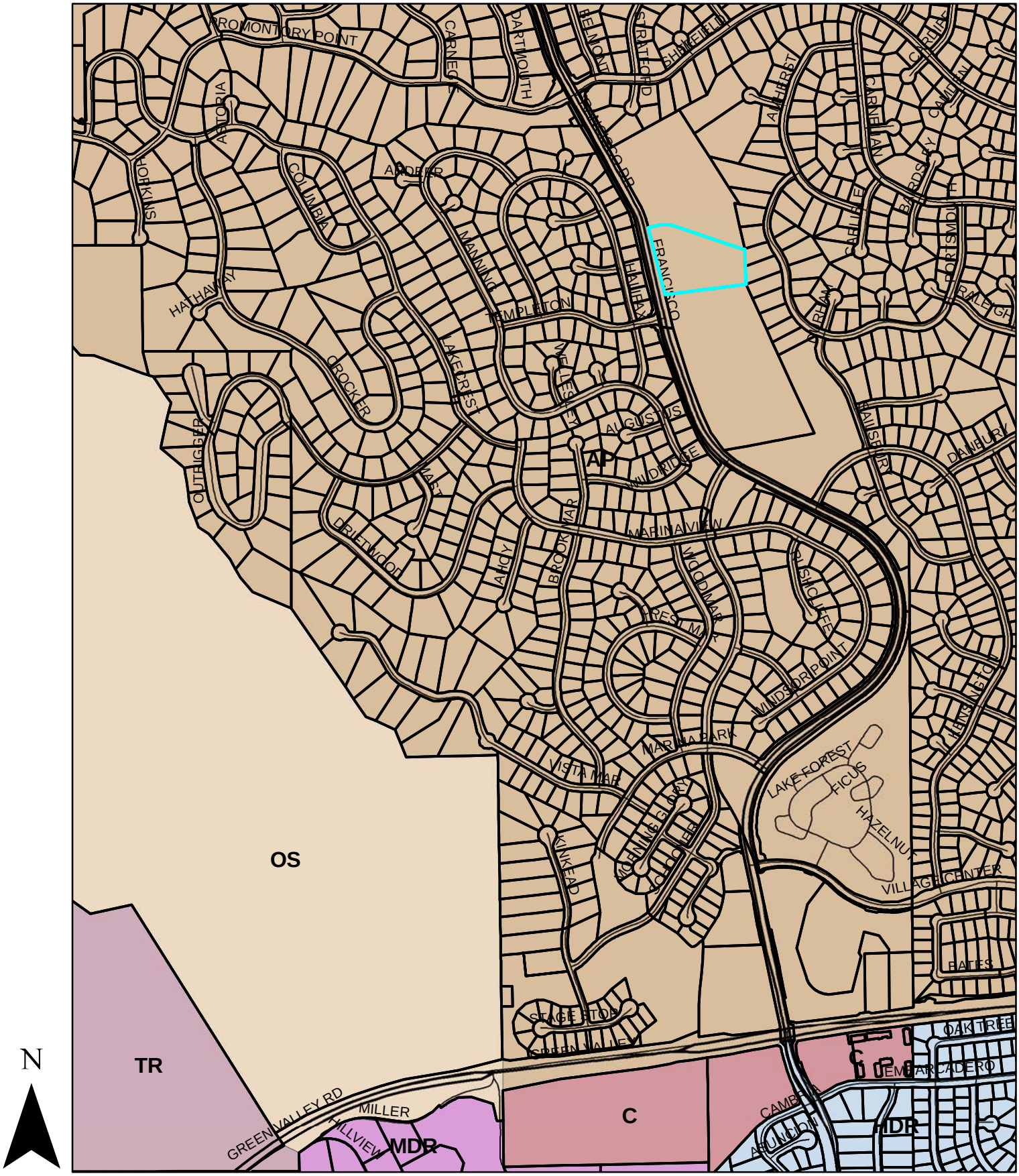
Adjacent Map Pages Shown in Grey Text
Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles

Rev. Apr. 20, 2012

Assessor's Map
County of El

Prepared by Isaac Wolf
July 5, 2018

Exhibit C: General Plan Map

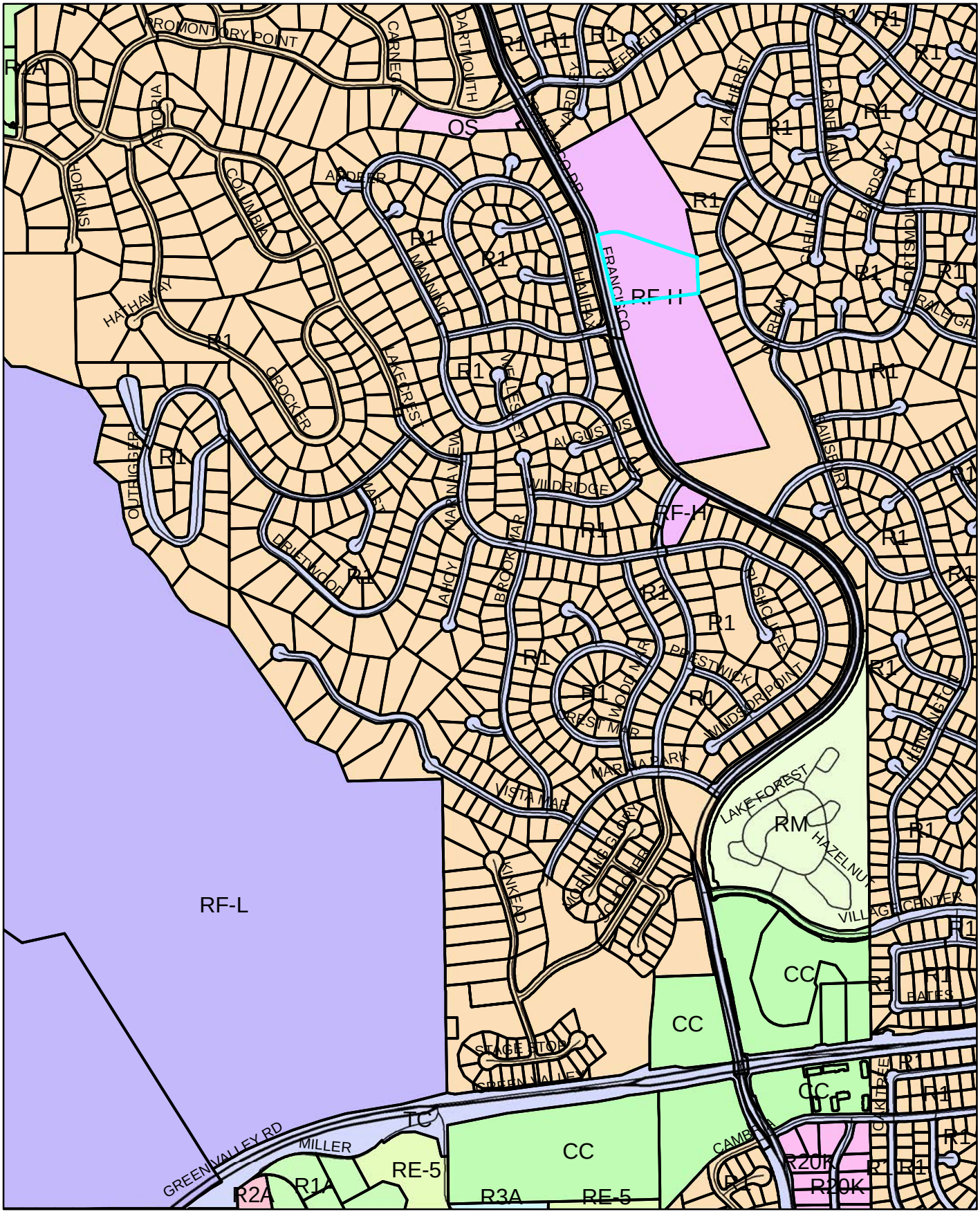


Prepared by:
Isaac Wolf
Planning Services Department
July 5, 2018

Project No. S18-0010
Lake Forest Park/Verizon Wireless
APN: 110-020-29

Scale: 1:10,000

Exhibit D: Zoning Map



N

Prepared by:
Isaac Wolf
Planning Services Department
July 5, 2018

Project No. S18-0010
Lake Forest Park/Verizon Wireless
APN: 110-020-29

0.3 Miles

Scale: 1:10,000

Exhibit E: Aerial Map

Prepared by:
Isaac Wolf
Planning Services Department
July 5, 2018

Project No. S18-0010
Lake Forest Park/Verizon Wireless
APN: 110-020-29

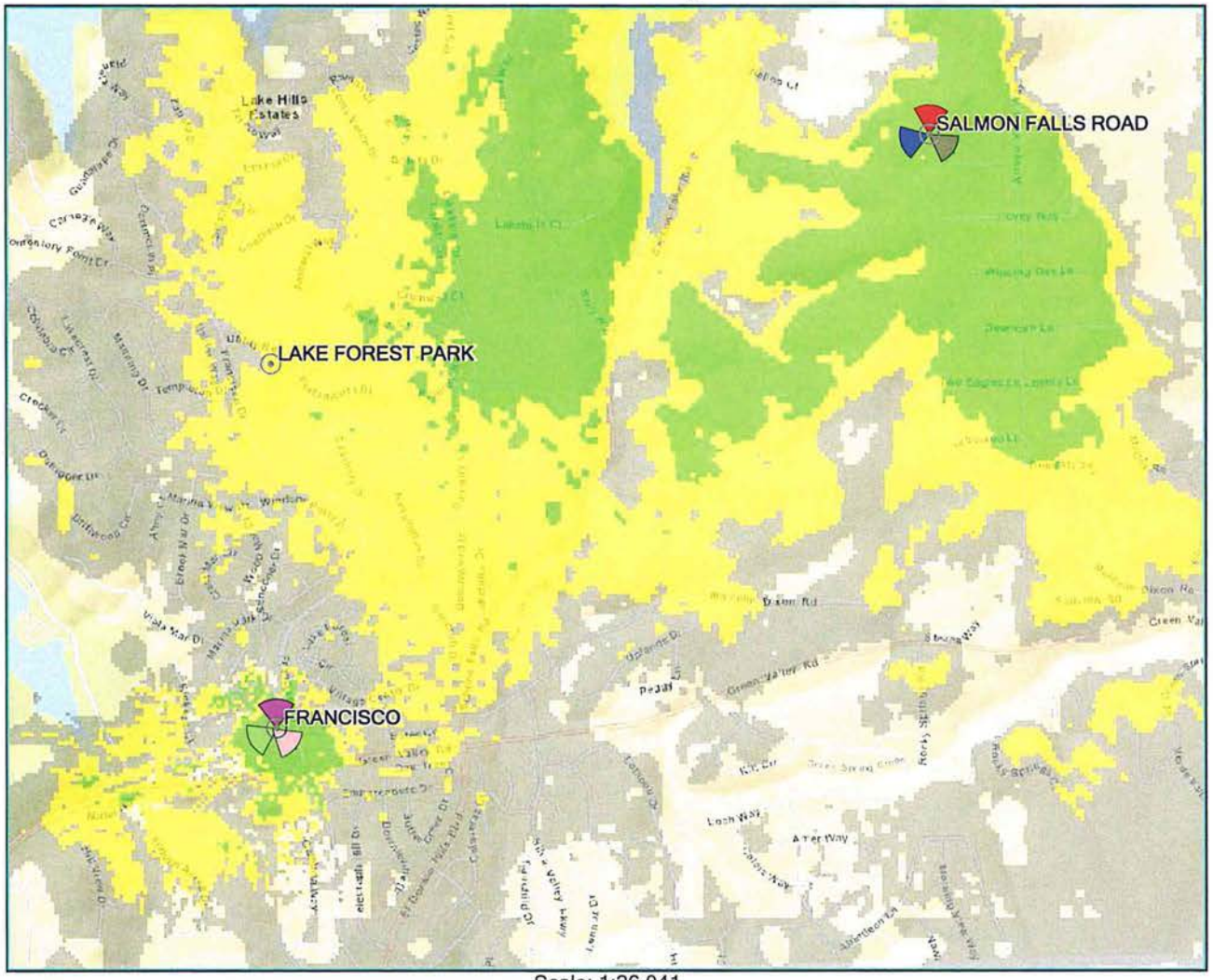
0.3
Miles

Scale: 1:10,000

LAKE FOREST PARK
Coverage Maps

verizon

Before Coverage



LTE: AWS: RSRP - Existing Coverage
- Best Signal Level (dBm) >=-85
- Best Signal Level (dBm) >=-95
- Best Signal Level (dBm) >=-105

APN: 110-020-29
Prepared by Isaac Wolf
July 6, 2018

S18-0010

LAKE FOREST PARK
Coverage Maps

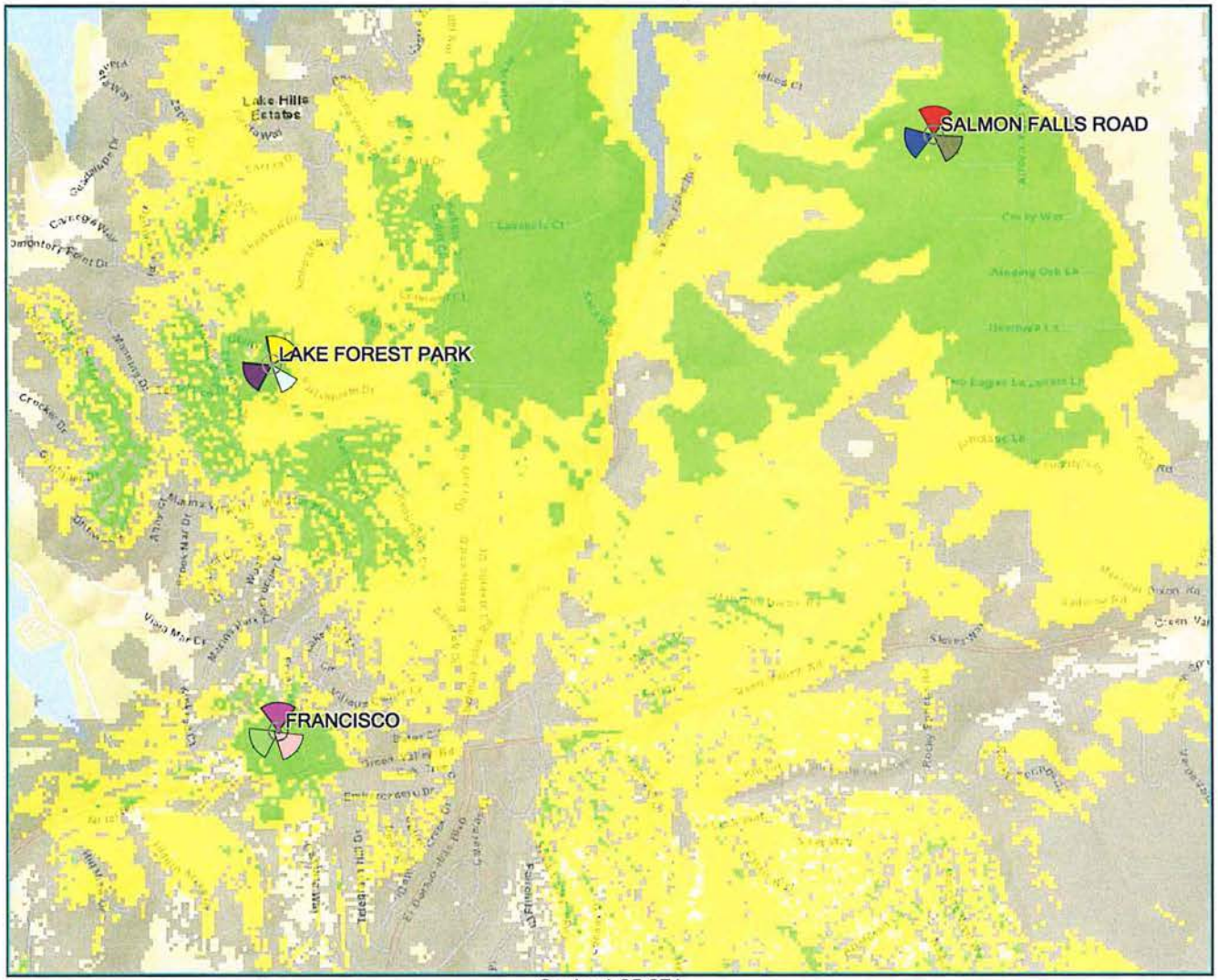
verizon

APN: 110-020-29
Prepared by Isaac Wolf
July 6, 2018

Exhibit F: Coverage Maps

2018 MAY -3 PM 4:53
RECEIVED
PLANNING DEPARTMENT

After Coverage

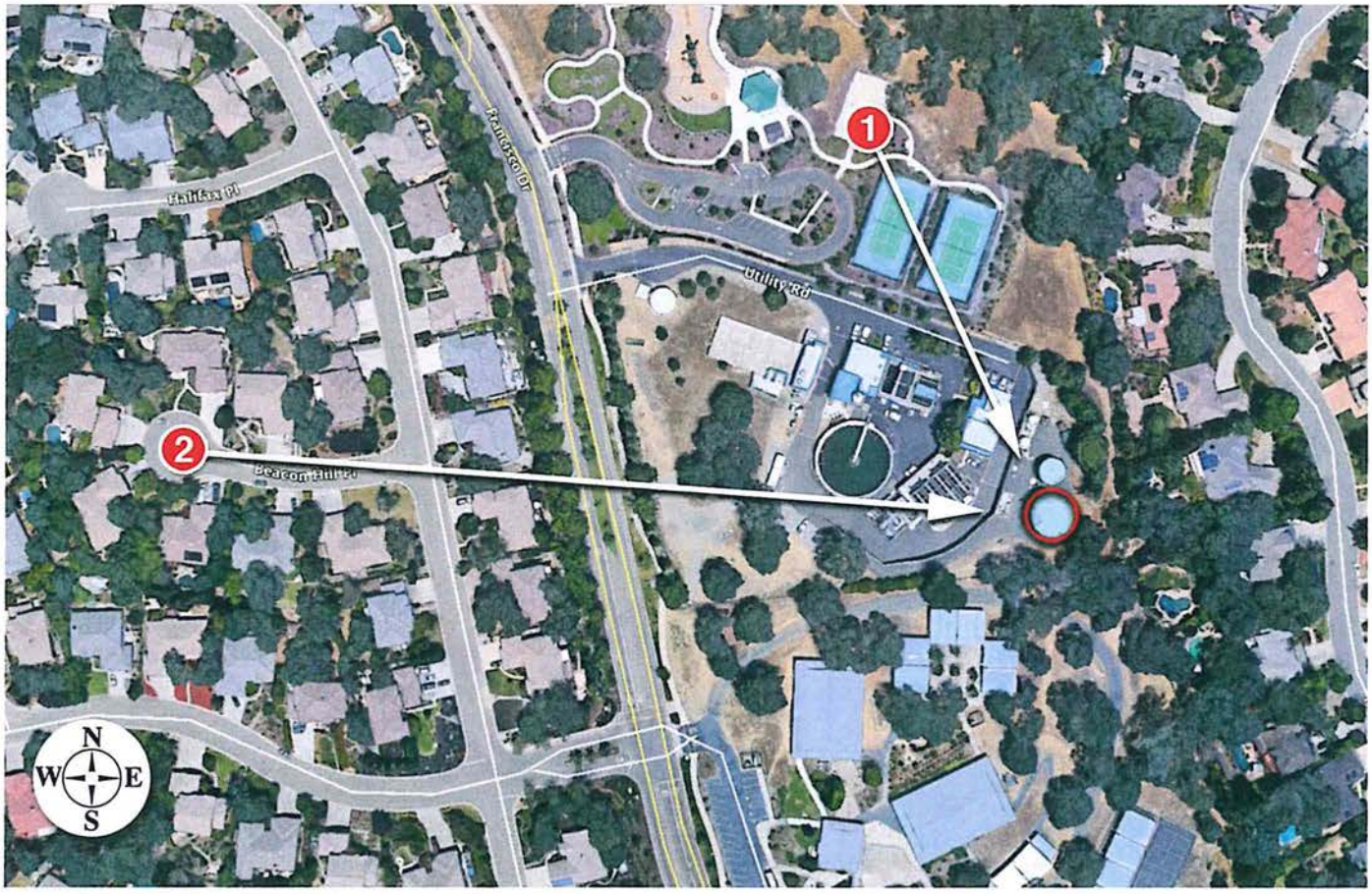


Scale: 1:25,371
0 0.2 0.4 0.6mi

LTE: AWS: RSRP - After Coverage
- Best Signal Level (dBm) >=-85
- Best Signal Level (dBm) >=-95
- Best Signal Level (dBm) >=-105

S18-0010

Exhibit G: Photo Simulations



verizon

Lake Forest Park Site # 285367

1835 Francisco Drive
El Dorado Hills, CA

Aerial Map

12/21/17

S18-0010

Applied Imagination 510 914-0500

APN: 110-020-29
Prepared by: Isaac Wolf
July 6, 2018

Exhibit G: Photo Simulations

verizon

Lake Forest Park Site # 285367

1835 Francisco Drive
El Dorado Hills, CA

Looking Southeast from Lake Forest Park

View #1

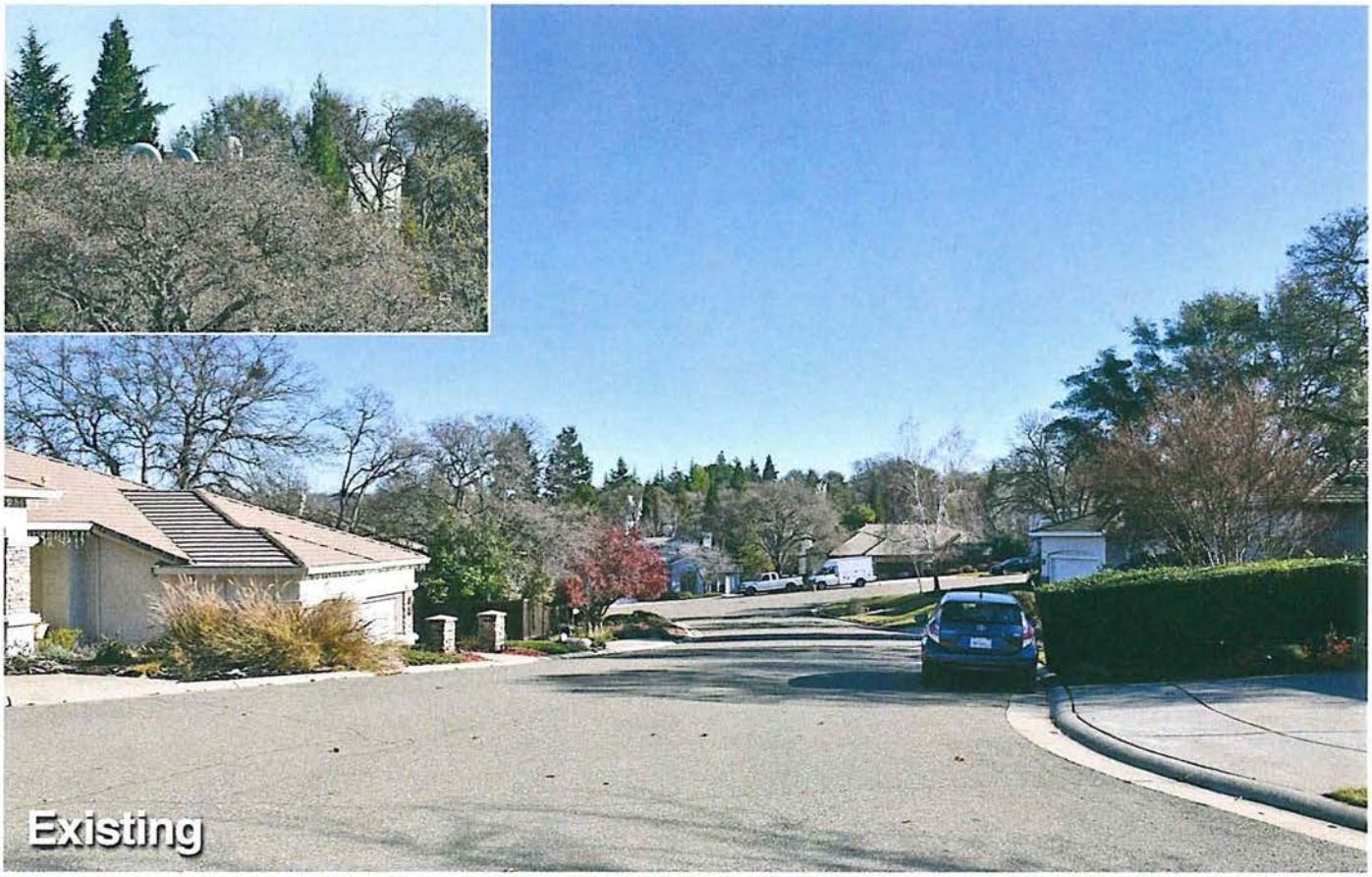
Applied Imagination 510 914-0500

12/21/17

S18-0010

APN: 110-020-29
Prepared by: Isaac Wolf
July 6, 2018

Exhibit G: Photo Simulations



verizon

Lake Forest Park Site # 285367

1835 Francisco Drive
El Dorado Hills, CA

Looking Southeast from Beacon Hill Place

View #2

Applied Imagination 510 914-0500

12/21/17

S18-0010

APN: 110-020-29
Prepared by: Isaac Wolf
July 6, 2018

Alternative Site Analysis

Verizon Wireless Telecommunications Facility "Lake Forest Park"

Colocation on El Dorado Irrigation District (EID) Water Tank
1835 Francisco Drive, El Dorado Hills, CA 95762
APN: 110-020-29-100

Summary of Site Selection and Technical Evidence
Conducted by On Air, LLC (agent for Verizon Wireless)

Table of Contents

I. Coverage Objective

On Air, LLC has been contracted by Verizon Wireless to find an appropriate site location that will provide coverage and capacity to the network in the Lake Forest Park community in El Dorado Hills.

II. Published Search Ring Information

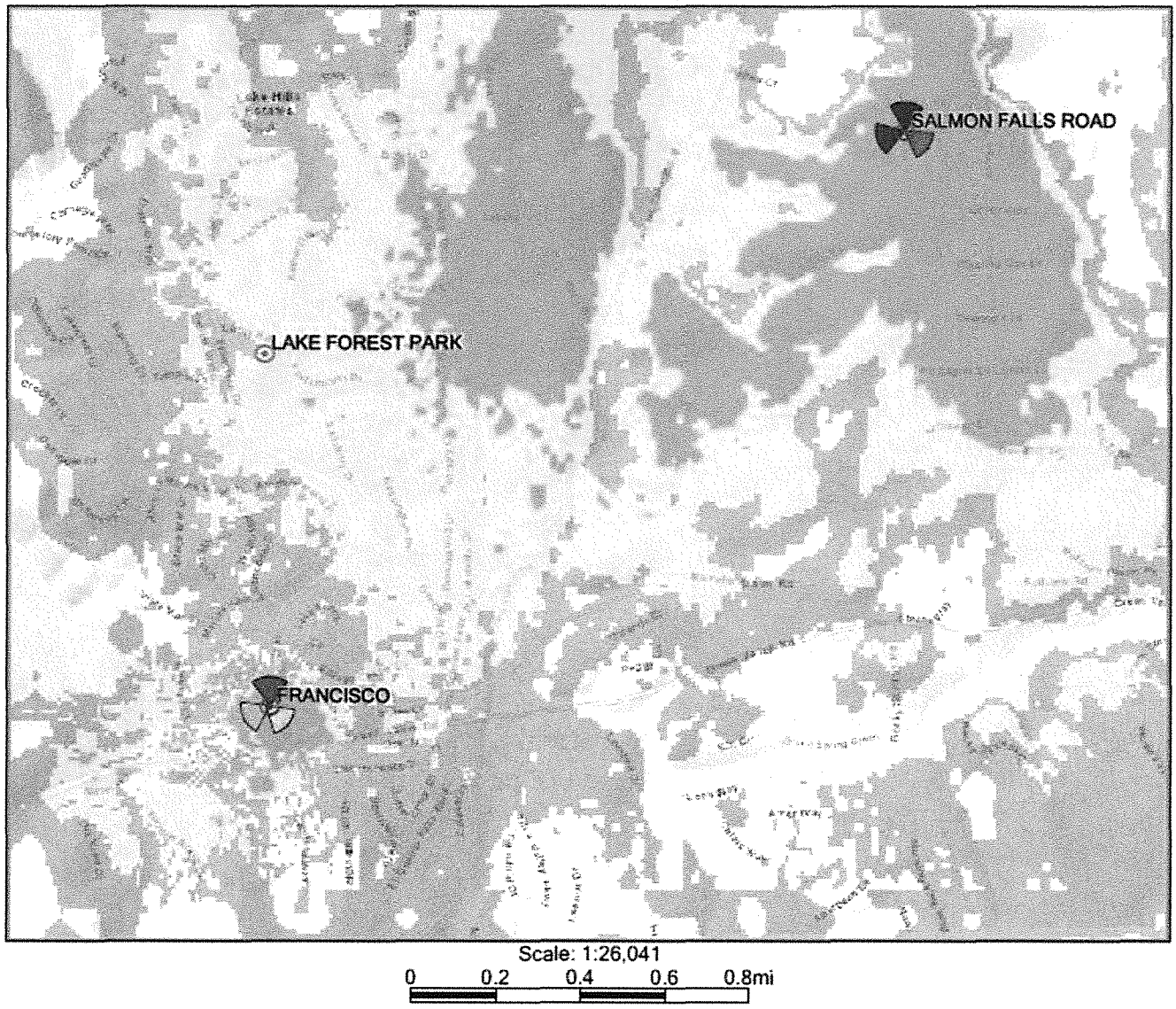
The search ring is centered over an affluent, residential area that consists mostly of newer development homes and a few small parks. There are no transmission towers or existing co-locatable cell towers in this area. Therefore, we have targeted the El Dorado Irrigation District (EID) water tank facility which is central to the search ring.

Originally, AT&T had a lease option with EID to build this cell site. AT&T received zoning approval (#S13-0015) and building permit approval (#226868) from El Dorado County with Verizon as a subtenant. However, AT&T let their permits expire as well as their lease option with EID. EID has now leased directly to Verizon and Verizon will build the site.

III. Service Gap Summary

The "Before Coverage" map below shows the existing coverage for El Dorado Hills neighborhoods.

Before Coverage

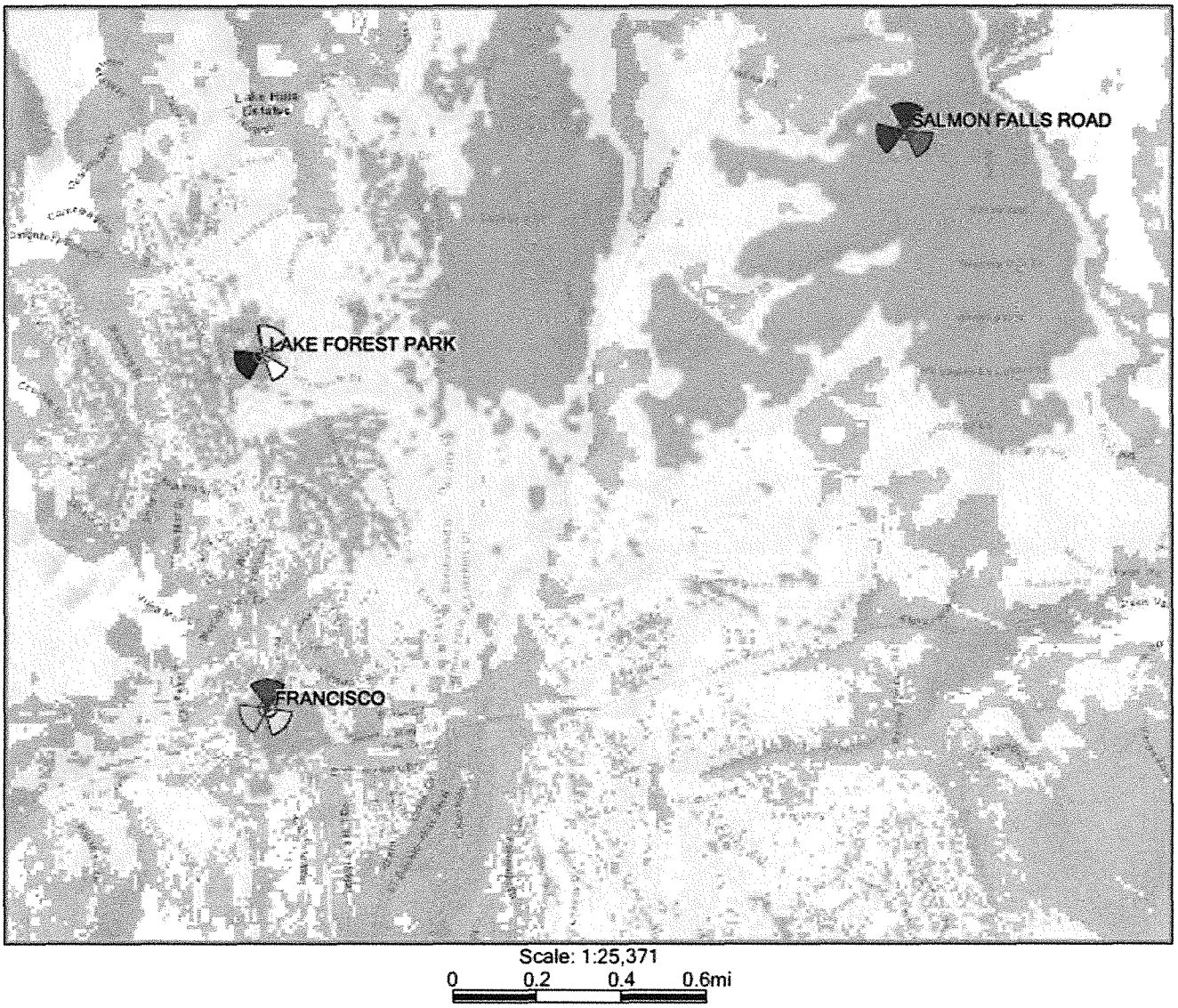


In the depiction "Before Coverage" above:

- The gray "bulls-eye" with the note "Lake Forest Park" indicates the proposed site location.
- The Green areas indicate strong outdoor coverage and in-building service.
- The Yellow indicates outdoor coverage and almost no in-building service.
- The Gray indicates little to no coverage.

The "After Coverage" map below shows the improvement in coverage and capacity for the Lake Forest Park community in El Dorado Hills and improvement south of Green Valley Road.

After Coverage



In the depiction "After Coverage" above:

- The light blue/purple/yellow star with the note "Lake Forest Park" indicates a new cell tower in place at EID's water treatment facility.
- The new coverage to the area is indicated as follows:
  - The Green areas indicate strong outdoor coverage and in-building service.
  - The Yellow indicates outdoor coverage and almost no in-building service.
  - The Gray indicates little to no coverage.

IV. Methodology

On Air and Verizon Wireless always look to the local zoning codes and general plans to identify the sites that will have the least impact to the community while still providing the wireless communication services that the public desires. Per the zoning code of El Dorado County, and discussions with Planners, co-locations on existing infrastructure are valued above building new towers on raw land. Visual impact is also a primary concern, and Verizon Wireless always cooperates with the local jurisdiction and the community to mitigate a site's impact, if possible, through stealthing techniques and careful site selection. In addition to these considerations a viable site candidate must have a willing land owner, feasibility of construction, road access, and available telephone and electrical utilities.

EID's water tank facility fits the provisions discussed above. **Verizon has no other alternate candidates for this search ring for the following reasons:**

1. This is an affluent, residential area which consists mostly of newer development homes and a few small parks.
2. CC&Rs in this area make it difficult to find cell site candidates. EID's water treatment facility is not subject to CC&Rs.
3. There are no transmission or other co-locatable cell towers in this area.
4. The only schools in the area are middle schools, elementary schools, or a combination of the two, which are not ideal candidates for cell sites.
5. **AT&T already received zoning approval (#S13-0015) and building permit approval (#226868) for this site with Verizon as a subtenant.** However, AT&T never built the site. Verizon's design is very similar to AT&T's approved design except VZW has reduced the number of poles co-locating to the EID water tank from 3 poles (originally planned) to 2 poles (currently planned). Verizon has also relocated the ground equipment location to an area that better accommodates EID.
6. EID's water tank facility is in the center of the search ring which allows VZW to meet the coverage objective.

V. Site Design

Verizon Wireless is proposing to co-locate two 45.42' poles with magnetic mounts to an EID water tank to hold antennas and ancillary equipment. On the poles, Verizon proposes to install six (6) antennas (2 per sector), nine (9) RRUS (3 per sector), and two (2) Raycap surge protectors. The proposed center line for VZW's antennas is 42.42'above ground level.

In a 235 SF leased ground equipment area, Verizon proposes install four (4) ground mounted equipment cabinets, a utility panel for fiber, electric, and GPS antennas, plus an additional H-frame for three (3) surge protectors. The ground equipment area will be partially enclosed with a CMU block retaining wall.

No generator is planned for this site. The site is backed up with batteries installed in a purpose built cabinet. For extended power outages, provisions are made to support a portable generator to maintain site operations.

The poles will be painted to match the color of the water tank. The antenna and ancillary components will be light grey. Since this is a co-location on a water tank, by design, the poles are unable to be further camouflaged.

VI. Benefits to the Community

1. The increased coverage from the site will improve emergency communications services to residents in El Dorado Hills and to travelers throughout the area.
2. The site will provide the El Dorado Hills residents, schools, local businesses, and their customers with reliable in-building voice, high-speed data, and internet service capabilities.
3. The new tower will allow for co-location opportunities that may attract other wireless carriers to this location providing enhanced coverage from multiple carriers.

VII. Conclusion:

The location of the proposed site is right in the middle of the search ring and because of this, the site offers excellent coverage benefits for portions of El Dorado Hills which have not had access to higher quality wireless communications services. Verizon is complying with El Dorado County's Development Code which prefers carriers co-locate on existing infrastructure first, before building new towers on raw land. The ground equipment will be hidden from the public's view since it will be located inside the security gated, locked EID facility. On Air believes this proposed facility will have the least impact to the community since it is a co-location on existing water tank, which is utility-type infrastructure.

Exhibit I: RF Report
Verizon Wireless • Proposed Base Station (Site No. 285367 "Lake Forest Park")
1835 Francisco Drive • El Dorado Hills, California

Statement of Hammett & Edison, Inc., Consulting Engineers

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained on behalf of Verizon Wireless, a personal wireless telecommunications carrier, to evaluate the base station (Site No. 285367 "Lake Forest Park") proposed to be located at 1835 Francisco Drive in El Dorado Hills, California, for compliance with appropriate guidelines limiting human exposure to radio frequency ("RF") electromagnetic fields.

Executive Summary

Verizon proposes to install directional panel antennas on new poles to be sited at the El Dorado County Irrigation District facility located at 1835 Francisco Drive in El Dorado Hills. The proposed operation will comply with the FCC guidelines limiting public exposure to RF energy.

Prevailing Exposure Standards

The U.S. Congress requires that the Federal Communications Commission ("FCC") evaluate its actions for possible significant impact on the environment. A summary of the FCC's exposure limits is shown in Figure 1. These limits apply for continuous exposures and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health. The most restrictive FCC limit for exposures of unlimited duration to radio frequency energy for several personal wireless services are as follows:

Wireless Service	Frequency Band	Occupational Limit	Public Limit
Microwave (Point-to-Point)	5–80 GHz	5.00 mW/cm^2	1.00 mW/cm^2
WiFi (and unlicensed uses)	2–6	5.00	1.00
BRS (Broadband Radio)	2,600 MHz	5.00	1.00
WCS (Wireless Communication)	2,300	5.00	1.00
AWS (Advanced Wireless)	2,100	5.00	1.00
PCS (Personal Communication)	1,950	5.00	1.00
Cellular	870	2.90	0.58
SMR (Specialized Mobile Radio)	855	2.85	0.57
700 MHz	700	2.40	0.48
[most restrictive frequency range]	30–300	1.00	0.20

General Facility Requirements

Base stations typically consist of two distinct parts: the electronic transceivers (also called "radios" or "channels") that are connected to the traditional wired telephone lines, and the passive antennas that send the wireless signals created by the radios out to be received by individual subscriber units. The transceivers are often located at ground level and are connected to the antennas by coaxial cables. A small antenna for reception of GPS signals is also required, mounted with a clear view of the sky.

Because of the short wavelength of the frequencies assigned by the FCC for wireless services, the antennas require line-of-sight paths for their signals to propagate well and so are installed at some height above ground. The antennas are designed to concentrate their energy toward the horizon, with very little energy wasted toward the sky or the ground. This means that it is generally not possible for exposure conditions to approach the maximum permissible exposure limits without being physically very near the antennas.

Computer Modeling Method

The FCC provides direction for determining compliance in its Office of Engineering and Technology Bulletin No. 65, "Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radio Frequency Radiation," dated August 1997. Figure 2 describes the calculation methodologies, reflecting the facts that a directional antenna's radiation pattern is not fully formed at locations very close by (the "near-field" effect) and that at greater distances the power level from an energy source decreases with the square of the distance from it (the "inverse square law"). The conservative nature of this method for evaluating exposure conditions has been verified by numerous field tests.

Site and Facility Description

Based upon information provided by Verizon, including zoning drawings by MT2 Telecom, dated January 25, 2018, it is proposed to install six CommScope directional panel antennas – four Model SBNHH-1D65B and two Model SBNHH-1D45B – on two new 45½-foot steel poles next to the southeasternmost water tank at the El Dorado County Irrigation District facility located at 1835 Francisco Drive in the El Dorado Hills area of unincorporated El Dorado County. The antennas would employ up to 4° downtilt, would be mounted at an effective height of about 42½ feet above ground, and would be oriented in pairs: 1D65B antennas toward 25°T and 240°T, and 1D45B antennas toward 120°T. The maximum effective radiated power in any direction would be 41,730 watts, representing simultaneous operation at 18,630 watts for AWS, 5,000 watts for PCS, 9,780 watts for cellular, and 8,320 watts for 700 MHz service. There are reported no other wireless telecommunications base stations at the site or nearby, although the drawings designate a height on the poles at which similar antennas for use by another carrier could be added to site, previously subject to similar review at such time.

Study Results

For a person anywhere at ground, the maximum RF exposure level due to the proposed Verizon operation is calculated to be 0.077 mW/cm^2, which is 15% of the applicable public exposure limit. The maximum calculated level at the second-floor elevation of any nearby residence* is 14% of the public exposure limit. The maximum calculated level at any of the buildings on the Marina Village Middle School campus to the south is 7.5% of the public exposure limit. The maximum calculated level for a worker on any of the water tanks is less than the applicable public limit. It should be noted that these results include several "worst-case" assumptions and therefore are expected to overstate actual power density levels from the proposed operation.

Recommended Mitigation Measures

Due to their mounting locations and height, the Verizon antennas would not be accessible to unauthorized persons, and so no mitigation measures are necessary to comply with the FCC public exposure guidelines. To prevent occupational exposures in excess of the FCC guidelines, it is recommended that appropriate RF safety training, to include review of personal monitor use and lockout/tagout procedures, be provided to all authorized personnel who have access to the structure, including employees and contractors of Verizon and of the irrigation district. No access directly in front of the Verizon antennas themselves, such as might occur during certain maintenance activities at the top of the poles, should be allowed while the pertinent antennas are in operation, unless other measures can be demonstrated to ensure that occupational protection requirements are met. It is recommended that explanatory signs† be posted at the antennas, readily visible from any angle of approach to persons who might need to work at that elevation.

Conclusion

Based on the information and analysis above, it is the undersigned's professional opinion that operation of the base station proposed by Verizon Wireless at 1835 Francisco Drive in El Dorado Hills, California, will comply with the prevailing standards for limiting public exposure to radio frequency energy and, therefore, will not for this reason cause a significant impact on the environment. The highest calculated level in publicly accessible areas is much less than the prevailing standards allow for exposures of unlimited duration. This finding is consistent with measurements of actual exposure conditions taken at other operating base stations. Training authorized personnel and posting explanatory signs are recommended to establish compliance with occupational exposure limits.

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* Located at least 140 feet away, based on photographs from Google Maps.

† Signs should comply with OET-65 color, symbol, and content recommendations. Contact information should be provided (*e.g.*, a telephone number) to arrange for access to restricted areas. The selection of language(s) is not an engineering matter, and guidance from the landlord, local zoning or health authority, or appropriate professionals may be required.

Authorship

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration Nos. E-13026 and M-20676, which expire on June 30, 2019. This work has been carried out under his direction, and all statements are true and correct of his own knowledge except, where noted, when data has been supplied by others, which data he believes to be correct.

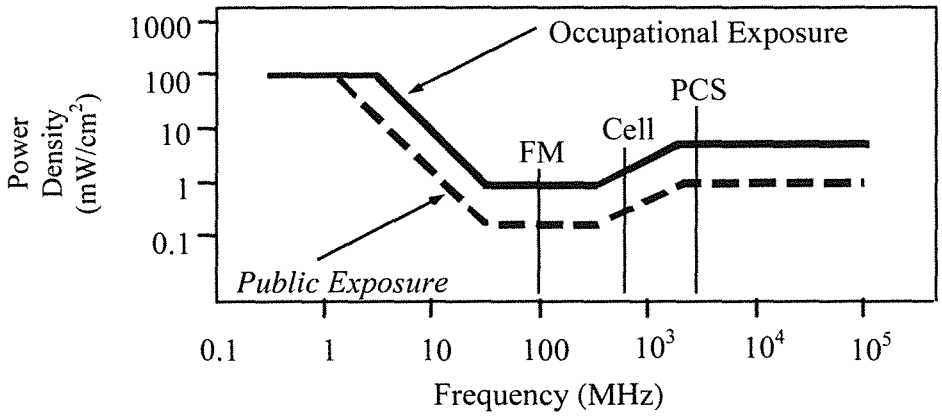
William F. Hammett, P.E.
707/996-5200

April 4, 2018

The U.S. Congress required (1996 Telecom Act) the Federal Communications Commission ("FCC") to adopt a nationwide human exposure standard to ensure that its licensees do not, cumulatively, have a significant impact on the environment. The FCC adopted the limits from Report No. 86, "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," published in 1986 by the Congressionally chartered National Council on Radiation Protection and Measurements ("NCRP"). Separate limits apply for occupational and public exposure conditions, with the latter limits generally five times more restrictive. The more recent standard, developed by the Institute of Electrical and Electronics Engineers and approved as American National Standard ANSI/IEEE C95.1-2006, "Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," includes similar limits. These limits apply for continuous exposures from all sources and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health.

As shown in the table and chart below, separate limits apply for occupational and public exposure conditions, with the latter limits (in *italics* and/or dashed) up to five times more restrictive:

Frequency	Electromagnetic Fields (f is frequency of emission in MHz)					
Applicable Range (MHz)	Electric Field Strength (V/m)		Magnetic Field Strength (A/m)		Equivalent Far-Field Power Density (mW/cm^2)	
0.3 – 1.34	614	*614*	1.63	*1.63*	100	*100*
1.34 – 3.0	614	*823.8/f*	1.63	*2.19/f*	100	*180/f^2*
3.0 – 30	1842/ f	*823.8/f*	4.89/ f	*2.19/f*	900/ f^2	*180/f^2*
30 – 300	61.4	*27.5*	0.163	*0.0729*	1.0	*0.2*
300 – 1,500	$3.54\sqrt{f}$	*$1.59\sqrt{f}$*	$\sqrt{f}/106$	*$\sqrt{f}/238$*	f/300	*f/1500*
1,500 – 100,000	137	*61.4*	0.364	*0.163*	5.0	*1.0*



Higher levels are allowed for short periods of time, such that total exposure levels averaged over six or thirty minutes, for occupational or public settings, respectively, do not exceed the limits, and higher levels also are allowed for exposures to small areas, such that the spatially averaged levels do not exceed the limits. However, neither of these allowances is incorporated in the conservative calculation formulas in the FCC Office of Engineering and Technology Bulletin No. 65 (August 1997) for projecting field levels. Hammett & Edison has built those formulas into a proprietary program that calculates, at each location on an arbitrary rectangular grid, the total expected power density from any number of individual radio sources. The program allows for the description of buildings and uneven terrain, if required to obtain more accurate projections.

Assessment by Calculation of Compliance with FCC Exposure Guidelines

The U.S. Congress required (1996 Telecom Act) the Federal Communications Commission ("FCC") to adopt a nationwide human exposure standard to ensure that its licensees do not, cumulatively, have a significant impact on the environment. The maximum permissible exposure limits adopted by the FCC (see Figure 1) apply for continuous exposures from all sources and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health. Higher levels are allowed for short periods of time, such that total exposure levels averaged over six or thirty minutes, for occupational or public settings, respectively, do not exceed the limits.

Near Field.

Prediction methods have been developed for the near field zone of panel (directional) and whip (omnidirectional) antennas, typical at wireless telecommunications base stations, as well as dish (aperture) antennas, typically used for microwave links. The antenna patterns are not fully formed in the near field at these antennas, and the FCC Office of Engineering and Technology Bulletin No. 65 (August 1997) gives suitable formulas for calculating power density within such zones.

For a panel or whip antenna, power density $S = \frac{180}{\theta_{BW}} \times \frac{0.1 \times P_{net}}{\pi \times D \times h}$, in mW/cm^2,

and for an aperture antenna, maximum power density $S_{max} = \frac{0.1 \times 16 \times \eta \times P_{net}}{\pi \times h^2}$, in mW/cm^2,

where θ_{BW} = half-power beamwidth of the antenna, in degrees, and
P_{net} = net power input to the antenna, in watts,
D = distance from antenna, in meters,
h = aperture height of the antenna, in meters, and
η = aperture efficiency (unitless, typically 0.5-0.8).

The factor of 0.1 in the numerators converts to the desired units of power density.

Far Field.

OET-65 gives this formula for calculating power density in the far field of an individual RF source:

$$\text{power density } S = \frac{2.56 \times 1.64 \times 100 \times RFF^2 \times ERP}{4 \times \pi \times D^2}, \text{ in } mW/cm^2,$$

where ERP = total ERP (all polarizations), in kilowatts,
RFF = relative field factor at the direction to the actual point of calculation, and
D = distance from the center of radiation to the point of calculation, in meters.

The factor of 2.56 accounts for the increase in power density due to ground reflection, assuming a reflection coefficient of 1.6 (1.6 x 1.6 = 2.56). The factor of 1.64 is the gain of a half-wave dipole relative to an isotropic radiator. The factor of 100 in the numerator converts to the desired units of power density. This formula has been built into a proprietary program that calculates, at each location on an arbitrary rectangular grid, the total expected power density from any number of individual radiation sources. The program also allows for the description of uneven terrain in the vicinity, to obtain more accurate projections.

verizon wireless

El Dorado County – Conditional Use Permit Application
Project Description

Lake Forest Park
1835 Francisco Drive, El Dorado Hills, CA 95762
APN: 110-020-29-100

PROJECT SUMMARY

Type of Project:	Installation of a new Verizon wireless telecommunication facility as a co-location on an El Dorado Irrigation District (EID) existing water tank.
Parcel Owner:	El Dorado Irrigation District Attn: Elizabeth Leeper, Deputy General Counsel 2890 Mosquito Road, Placerville, CA 95667 (530) 642-4044
Parcel Address:	1835 Francisco Dr., El Dorado Hills, CA 95762
Parcel APN:	110-020-29-100
Zoning:	RFH – Recreation Facility High Density
Tower Structure:	Two (2) 45.42' poles will be co-located on an EID water tank to support antennas and ancillary equipment. The poles will be attached to the water tanks via magnetic mounts. The ground equipment will be placed in an 11'-11" x13'-9" (235 SF) enclosed lease area. No generator is proposed for this site.
Tower Equipment:	Six (6) 6' panel antennas, nine (9) remote radio units (RRUS), and two (2) Raycap surge protectors will be placed on the poles.
Ground Equipment:	11'-11" x 13'-9" (235 SF) enclosed lease area with following equipment: one (1) battery cabinet; one (1) power/misc. cabinet; two (2) proposed future cabinets; three (3) Raycap surge protectors; one (1) utility meter; one (1) electrical distribution panel with integrated manual transfer

Prepared by: Isaac Wolf
Planning Services Department
July 6, 2018

switch (transfers normal power to back up power); one (1) fiber distribution box; three (3) 1 5/8" hybrid cables connecting the radio equipment to the antennas; and two (2) GPS antennas.

APPLICANT'S OBJECTIVE

Verizon Wireless formally requests El Dorado County Planning Commission's approval of a Conditional Use Permit for the co-location of a commercial telecommunications facility on an existing water tank located on a parcel zoned RFH – Recreation Facility High Density. Even though the parcel is zoned RFH, the parcel is currently in use as an El Dorado Irrigation District water treatment facility. This permit request is pursuant to El Dorado County Code of Ordinances:

- Chapter 130.25 – "Special Purpose Zones"
- Section 130.40.130 – " Communication Facilities"

The new cell site is needed to support and improve network coverage/capacity in the Lake Forest Park community of El Dorado Hills.

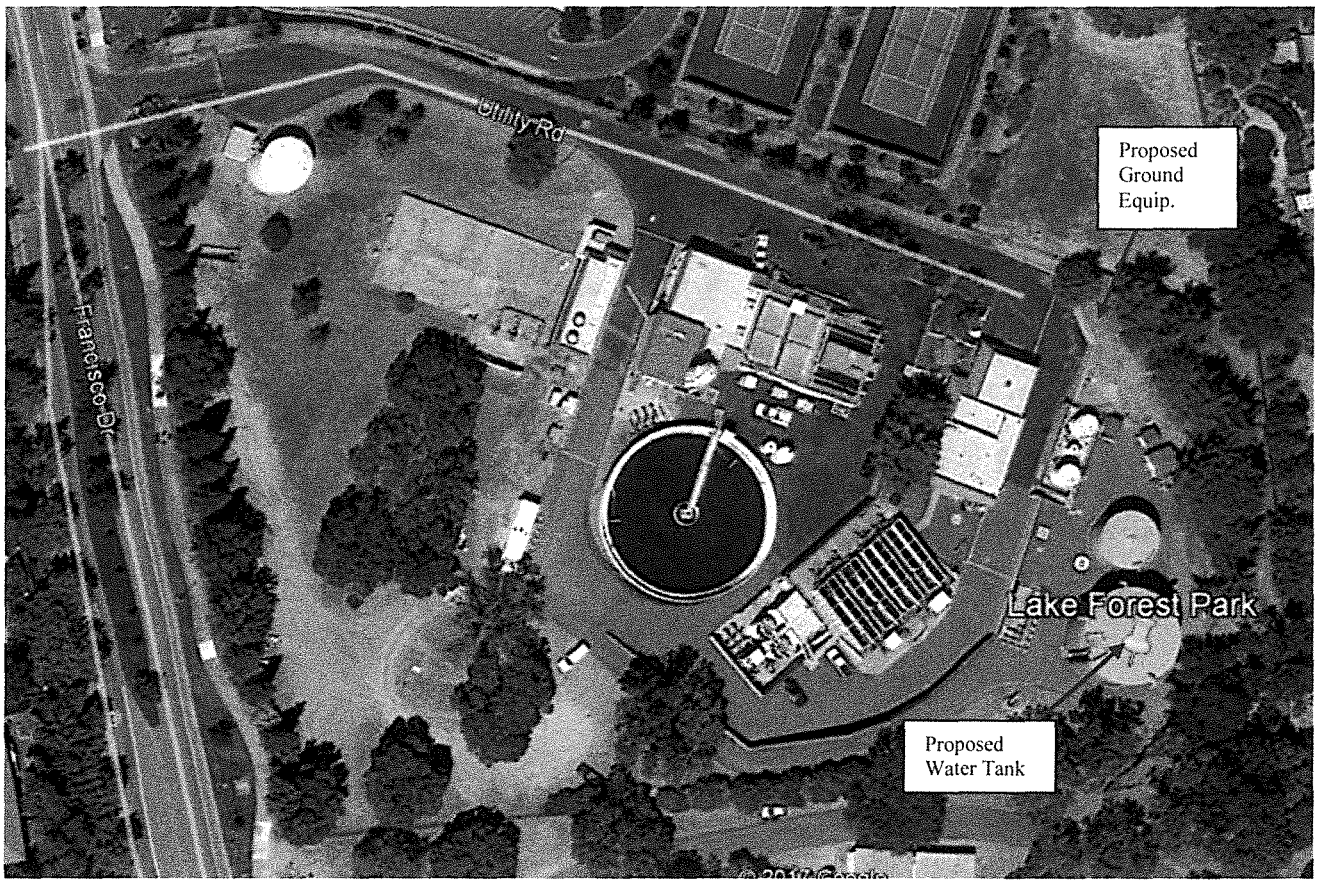
SITE INFORMATION

The parcel is approximately 4.6 acres and generally flat. El Dorado Irrigation District (EID) owns the parcel. Access to the proposed cell site will be from Francisco Drive. Verizon proposes to place the cell site inside the locked EID facility.

This parcel is not subject to CC&Rs. However, El Dorado Hills Community Service District (EDHCSD) has indicated the plans need to be reviewed by the EDHCSD's Parks & Planning Committee. An electronic copy of the plans and photo sims for this proposed cell tower were sent to Lynn Henriksen, Katrina Jackson, and Tauni Fessler at EDHCSD via email on 3/1/18.

The Surrounding areas are: Recreational Facilities to the north and south and One-Family Residential to the east and west. The current uses of the property and surrounding parcels will not be adversely affected by the Verizon use.

Please see the site sketch on the next page.



PROJECT INFORMATION

In order to provide clear, consistent mobile communications service to the Lake Forest Park community of El Dorado Hills, Verizon Wireless is proposing to co-locate two (2) 45.42' poles with magnetic mounts to an EID water tank to hold antennas and ancillary equipment. The proposed center line for Verizon's antennas is 42.42' above ground level (AGL). Verizon proposes to mount six (6) antennas on three sectors (2 per sector). The sector azimuths will be 25, 140, and 240 degrees. The antennas are 6' in height. Verizon also proposes to mount nine (9) RRUS (3 per sector) on the same three sectors. Two (2) Raycap surge protectors will also be mounted onto the poles.

Verizon proposes to install four (4) ground mounted equipment cabinets a concrete slab [i.e., one (1) battery cabinet; one (1) power/misc. cabinet; and two (2) proposed future cabinets], utility panels for telco and electric, and an H-frame for three (3) Raycap surge protectors, all located within an 11'-11" x 13'-9" lease area (total 235 SF). Verizon proposes to partially enclose the lease area with a CMU block retaining wall. From the equipment cabinets Verizon will run conduits underground to the base of the poles at the water tank, and underground fiber conduit out to the Francisco Drive, and underground power conduit within the parcel for power (see drawings for placement).

Prepared by: Isaac Wolf
Planning Services Department
July 6, 2018

Verizon operations department requires all cell sites to have 2 GPS antennas, one for redundancy purposes. The two (2) GPS antennas will be mounted to the utility panel or H-frame within the proposed ground equipment space.

The poles will be painted to match the color of the water tank. The antenna and ancillary components will be light grey. Since this is a co-location on a water tank, by design, the poles are unable to be further camouflaged.

No generator is planned for this site. The site is backed up with batteries installed in a purpose built cabinet. For extended power outages, provisions are made to support a portable generator in order to maintain site operation.

The only lighting Verizon is proposing to install is "full cut-off" exterior work lighting, on a timer, to support ground based equipment maintenance.

There is space below Verizon's antennas for a future carrier to co-locate (please see drawings for the future carrier co-location area).

ENVIRONMENTAL EFFECTS

The proposed facility will not result in significant impacts to the environment or to the area in which it is located. Verizon's proposed facility does not present a safety hazard and there is minimal traffic usage (typically one to two site visits per month.) Operation of the facility will not conflict with other existing uses in the area. Construction will result in minimal disturbance to the surrounding area.

The project should be considered exempt under the California Environmental Quality Control Act (CEQA) under Section 15303, New Construction or Conversion of Small Structures. Class 3 consists of construction and location of limited numbers of small, new facilities or structures, installation of small, new equipment and facilities in small structures.

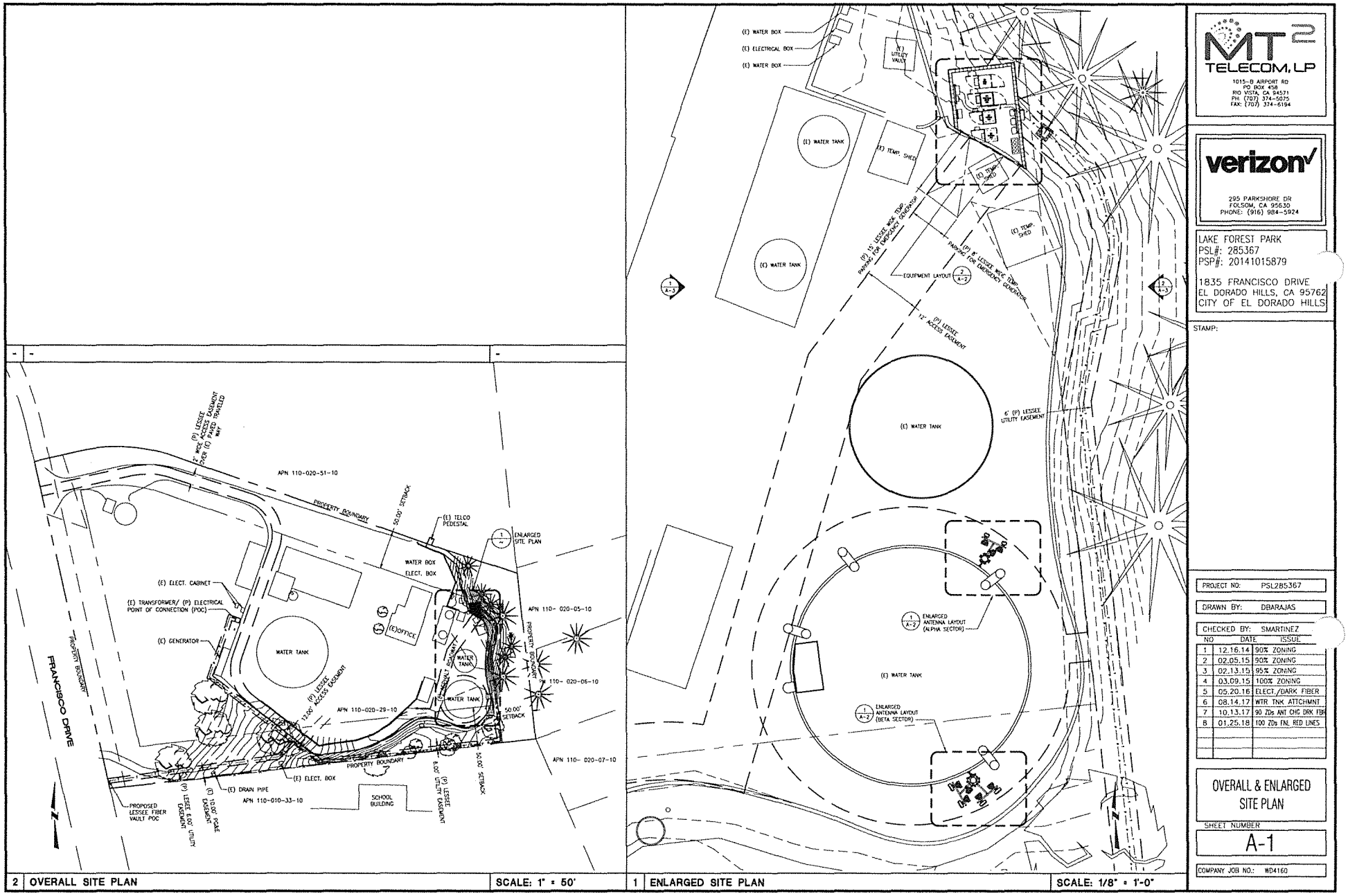
MAINTENANCE PROGRAM

The proposed facility will be unmanned and will not require the use of services such as water, sewer, or police. Electric power and fiber services are the only necessary utilities. Local utility companies will assist in extending services to the proposed location. After construction is complete, the site will normally be visited one or two times a month during regular business hours for routine maintenance.

In addition, each facility is electronically monitored 24 hours a day for intrusion and environmental disruption. The facility will also contain a sign identifying a 1-800 number for the National Operations Control Center (NOCC) to call in case of an emergency (the NOCC is manned 24 hours a day by Verizon employees) and identifying it as a Verizon facility. Verizon will be in compliance with all FCC regulations regarding signage at the facility.

Exhibit K: Site Plans and Antennas

RECEIVED
PLANNING DEPARTMENT



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verizon
295 PARKSHORE DR
FOLSOM, CA 95630
PHONE: (916) 984-5924

LAKE FOREST PARK
PSL#: 285367
PSP#: 20141015879

1835 FRANCISCO DRIVE
EL DORADO HILLS, CA 95762
CITY OF EL DORADO HILLS

STAMP:

PROJECT NO: PSL285367

DRAWN BY: DBARAJAS

CHECKED BY: SMARTINEZ

NO	DATE	ISSUE
1	12.16.14	90% ZONING
2	02.05.15	90% ZONING
3	02.13.15	95% ZONING
4	03.09.15	100% ZONING
5	05.20.16	ELECT./DARK FIBER
6	08.14.17	WTR TNK ATTCHMNT
7	10.13.17	90 ZDs ANT CHG DRK FBR
8	01.25.18	100 ZDs FNL RED LINES

OVERALL & ENLARGED SITE PLAN

SHEET NUMBER
A-1

COMPANY JOB NO.: WD4160

S18-0010

2018 MAY -3 PM 4:49

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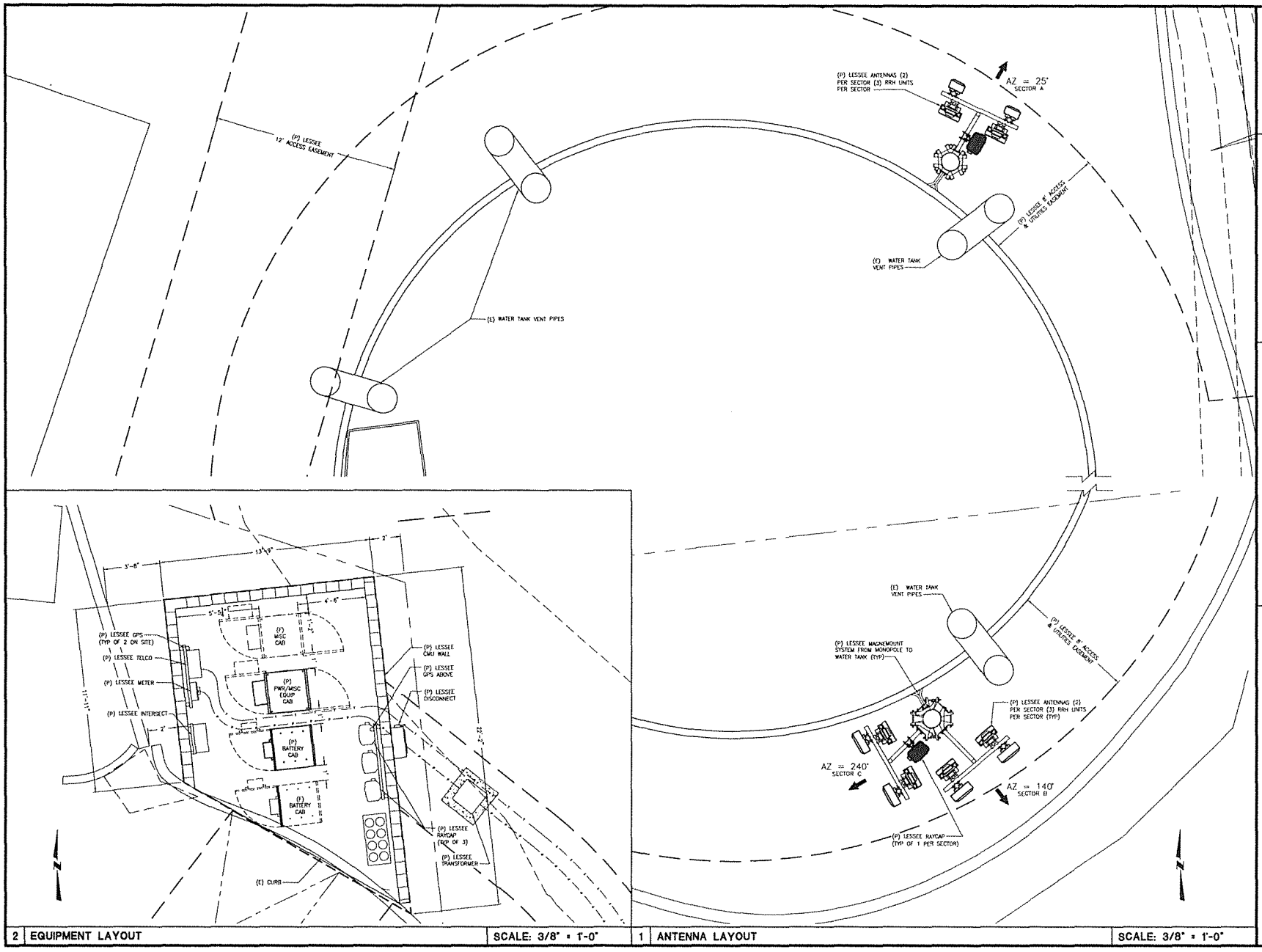
Exhibit K: Site Plans and Antennas



2 EQUIPMENT LAYOUT — SCALE: 3/8" = 1'-0"

1 ANTENNA LAYOUT — SCALE: 3/8" = 1'-0"

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EQUIPMENT & ANTENNA LAYOUT

SHEET NUMBER
A-2

COMPANY JOB NO.: WD4160

S18-0010

Exhibit K: Site Plans and Antennas

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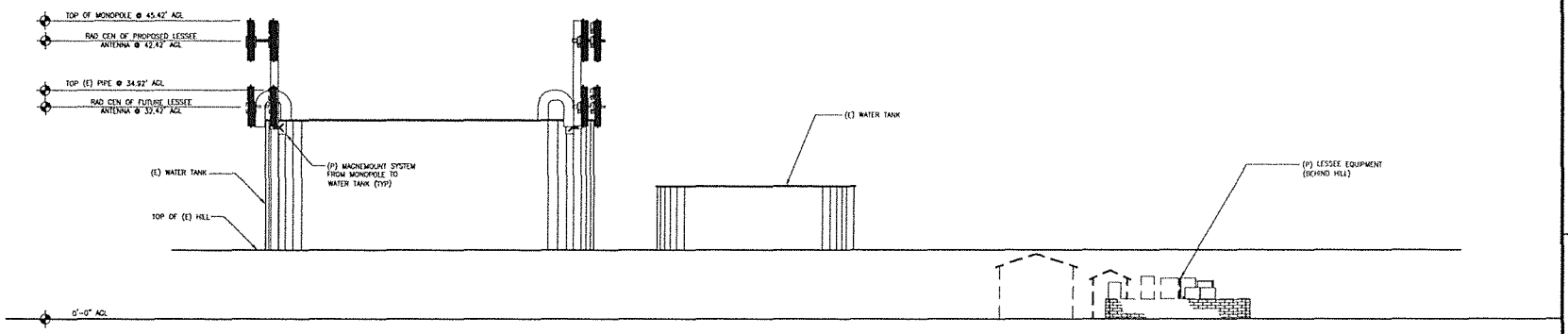
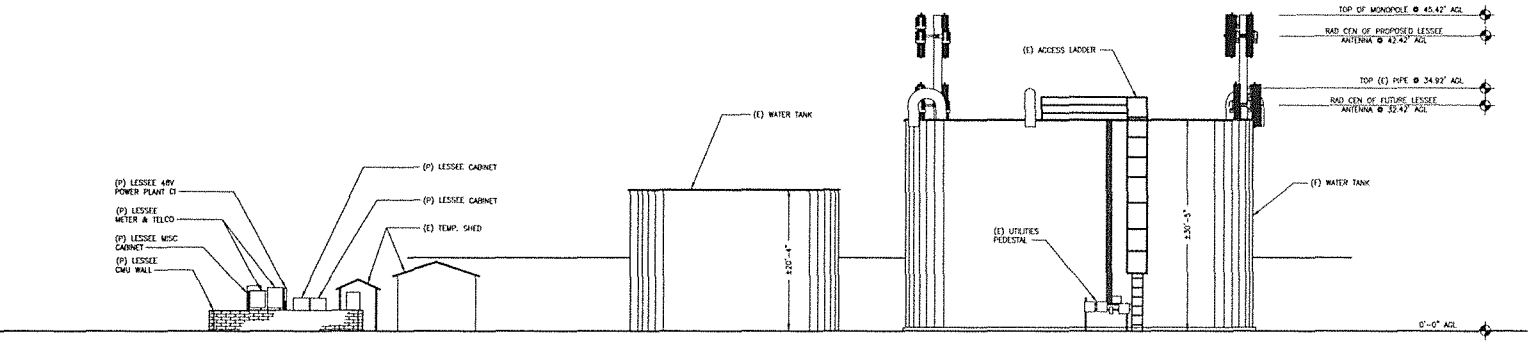


2 EAST ELEVATION — SCALE: 1/8" = 1'-0"



1 WEST ELEVATION — SCALE: 1/8" = 1'-0"

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ELEVATIONS

SHEET NUMBER
A-3

COMPANY JOB NO.: WD4160

S18-0010

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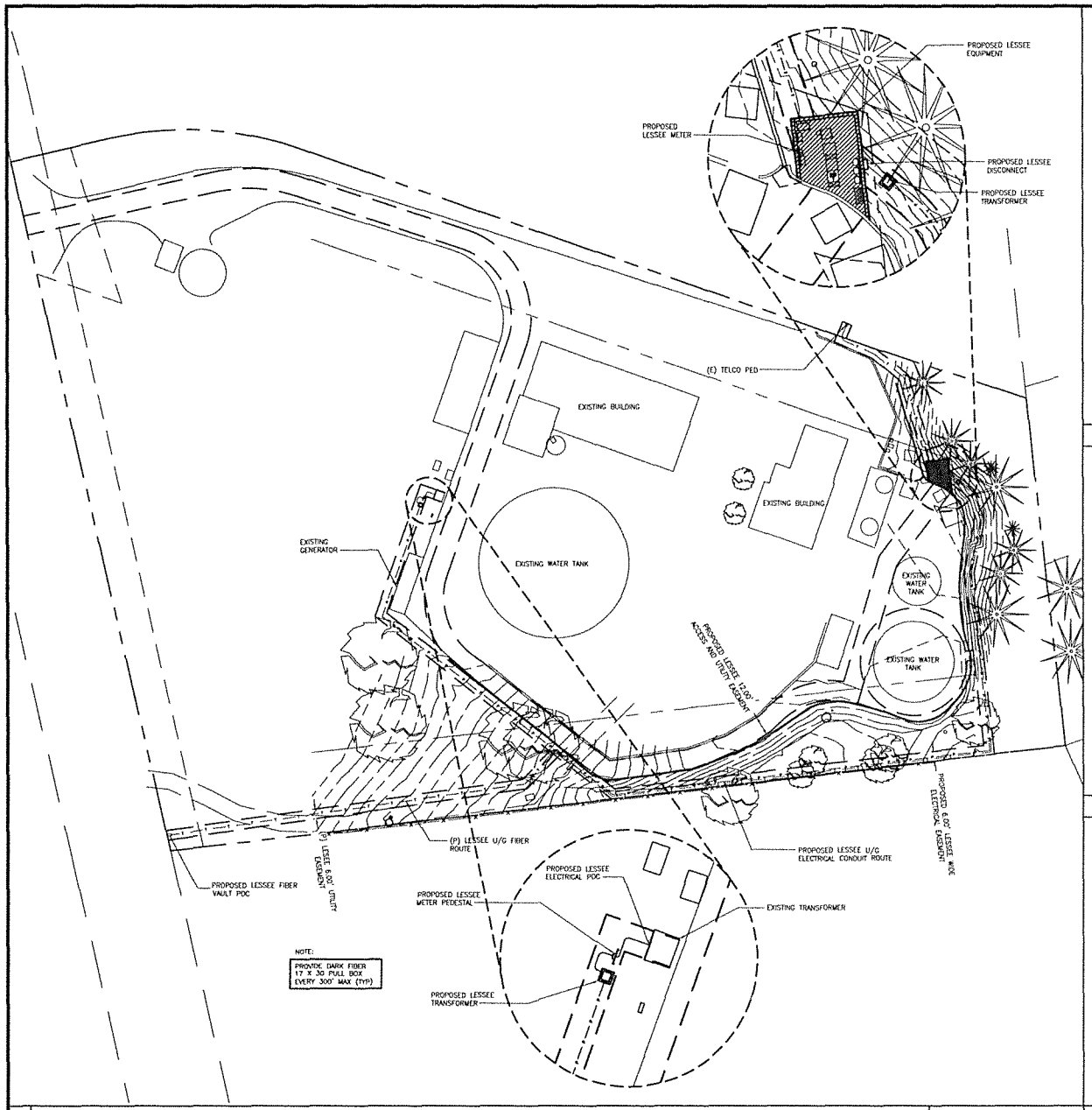


3 UTILITIES LAYOUT — SCALE: 1" = 30'

SPECIFICATIONS

DESCRIPTION:
Halogen flood light. Suitable for wet/damp/dry location installations

MATERIAL:
Standard overall material is 6061 aluminum.
HL-392 - Machined Aluminum

FINISH:
AA - Anodized Satin Aluminum
AP - Powder Coat Aluminum
BK - Powder Coat Black
BZ - Powder Coat Bronze
WT - Powder Coat White

LAMPING:
Lamp Type - 12V halogen T4 lamp, G6.35 base, 50W max, not included.

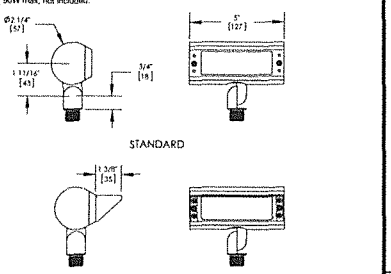
VOLTAGE:
12 - 12 VAC output transformer required, not included

MOUNTING:
Fixture is designed with a 1/2 NPS adjustable mounting stem

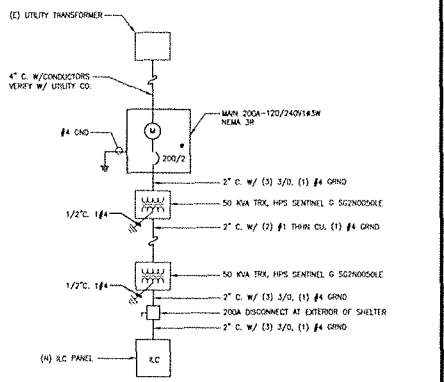
ACCESSORIES:
Glare shields
GL-92 - Angled, aluminum
See fixture accessories for more information.

SAMPLE ORDER SPECIFICATION:
HL-392-BK-12-GL-92

RATING:
Wet/damp/dry location.



4 UTILITY LIGHT SPECS — SCALE: N.T.S.



2 SINGLE LINE DIAGRAM — SCALE: 1/4" = 1'-0"

PANEL "A" — MOUNTING: SURFACE; 240/120 VOLTS, 1 PHASE, 3 WIRE; MAIN 200A 2P; 10,000 A.I.C. SYM; BUS 225A

PHASE A (VOLT AMPS)	PHASE B (VOLT AMPS)	OTHER	CKT	CKT	OTHER	PHASE A (VOLT AMPS)	PHASE B (VOLT AMPS)
5000		CELL 1	1 / 2	3 / 4	LIGHTING	900	
	5000		5 / 6	7 / 8	MISC CAB RECPT		180
5000		CELL 2	9 / 10	11 / 12	GENERATOR CHARGER	500	
	5000		13 / 14	15 / 16	GEN. HEATER BLK		500
1000		BAT CAB 1	17 / 18	19 / 20	FIBER RECPT	180	
	1000		21 / 22	23 / 24	LTE CAB		2000
1000		BAT CAB 2	25 / 26	27 / 28		2000	
	1000		29 / 30	31 / 32	FUTURE LTE CAB		
		SPARE	33 / 34	35 / 36	SPARE		
		SPARE	37 / 38	39 / 40	SPARE		
		SPARE	41 / 42	43 / 44	SPARE		
		SPARE	45 / 46	47 / 48	SPARE		
		SPARE	49 / 50	51 / 52	SPARE		
12000	12000	VA/LEAD				3580	2680

PHASE A= 15580 — PHASE B= 14680

CONTINUOUS LOADS: 900 @ 1.25= 1125 — RECEPTACLES — REMARKS

NON-CONTINUOUS LOADS: UP TO 10KVA 360 @ 1.00= 360; OTHER 29000 @ 1.00= 29000

TOTAL DESIGN KVA= 30 — TOTAL DESIGN AMPS= 127

1 PANEL SCHEDULE — SCALE: 1/4" = 1'-0"

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ELECTRICAL LAYOUT AND DETAILS

SHEET NUMBER
E-1

COMPANY JOB NO.: WD4160

S18-0010