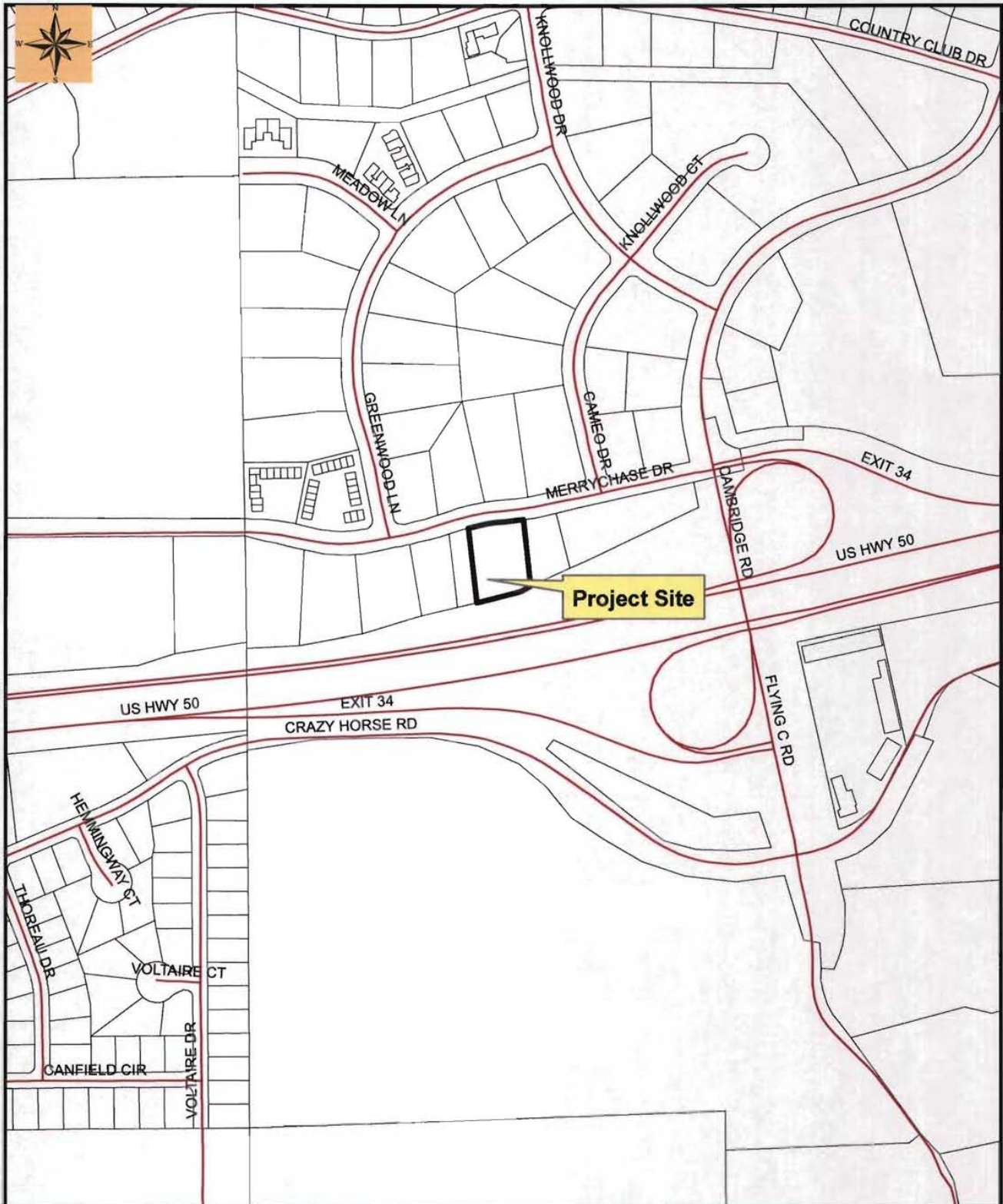


Verizon Wireless Cellular Tower- Merrychase Drive Special Use Permit S14-0011



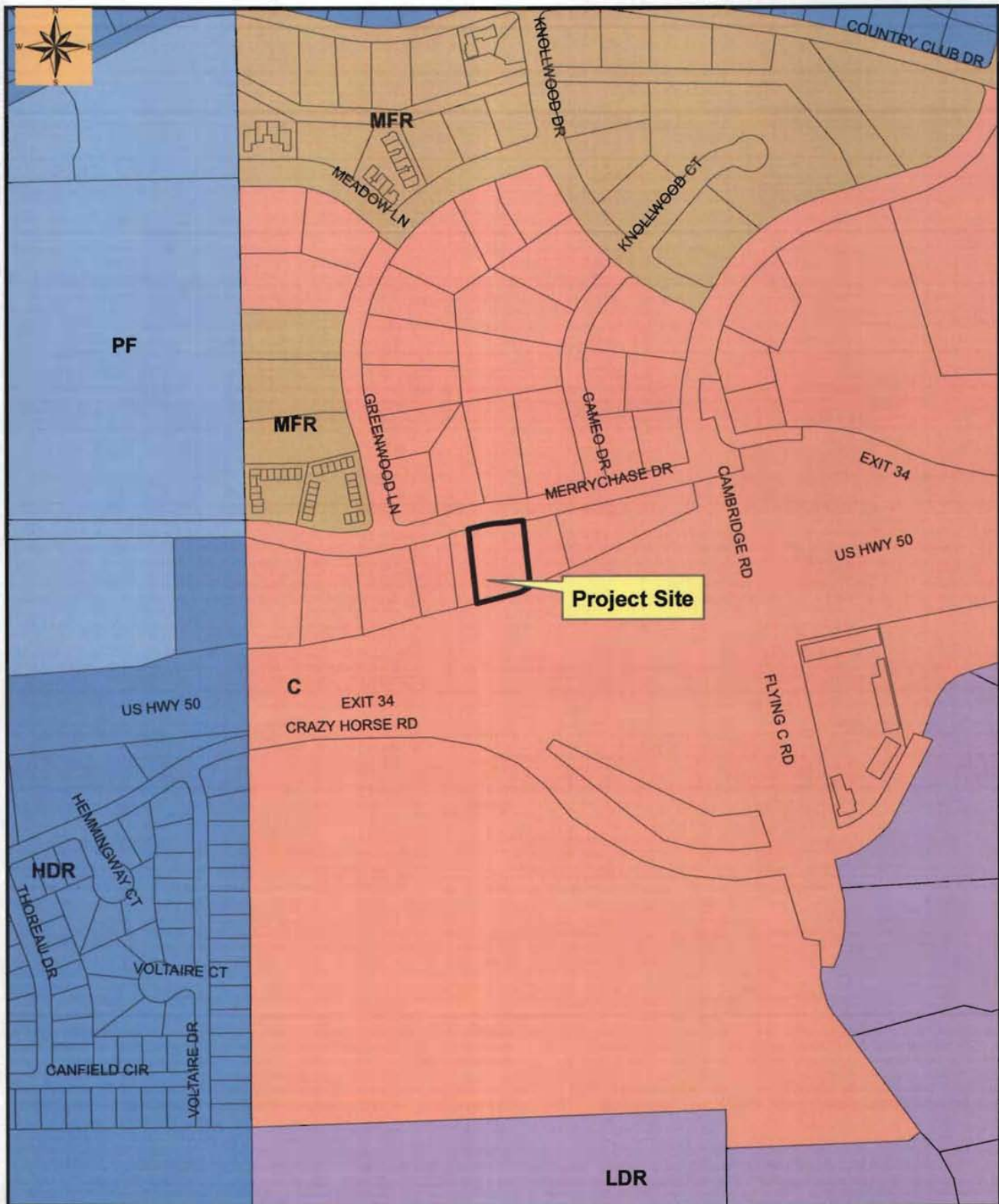
Map prepared by:
Map Solutions
© Connelley County
Development Services Planning

Exhibit A- Location Map

0 60 120 240 Feet

POR. SECS. 4 & 9, T.9N, R.9E, M.D.M.
CAMERON PARK NORTH UNIT NO. 5
D-93

Verizon Wireless Cellular Tower- Merrychase Drive Special Use Permit S14-0011

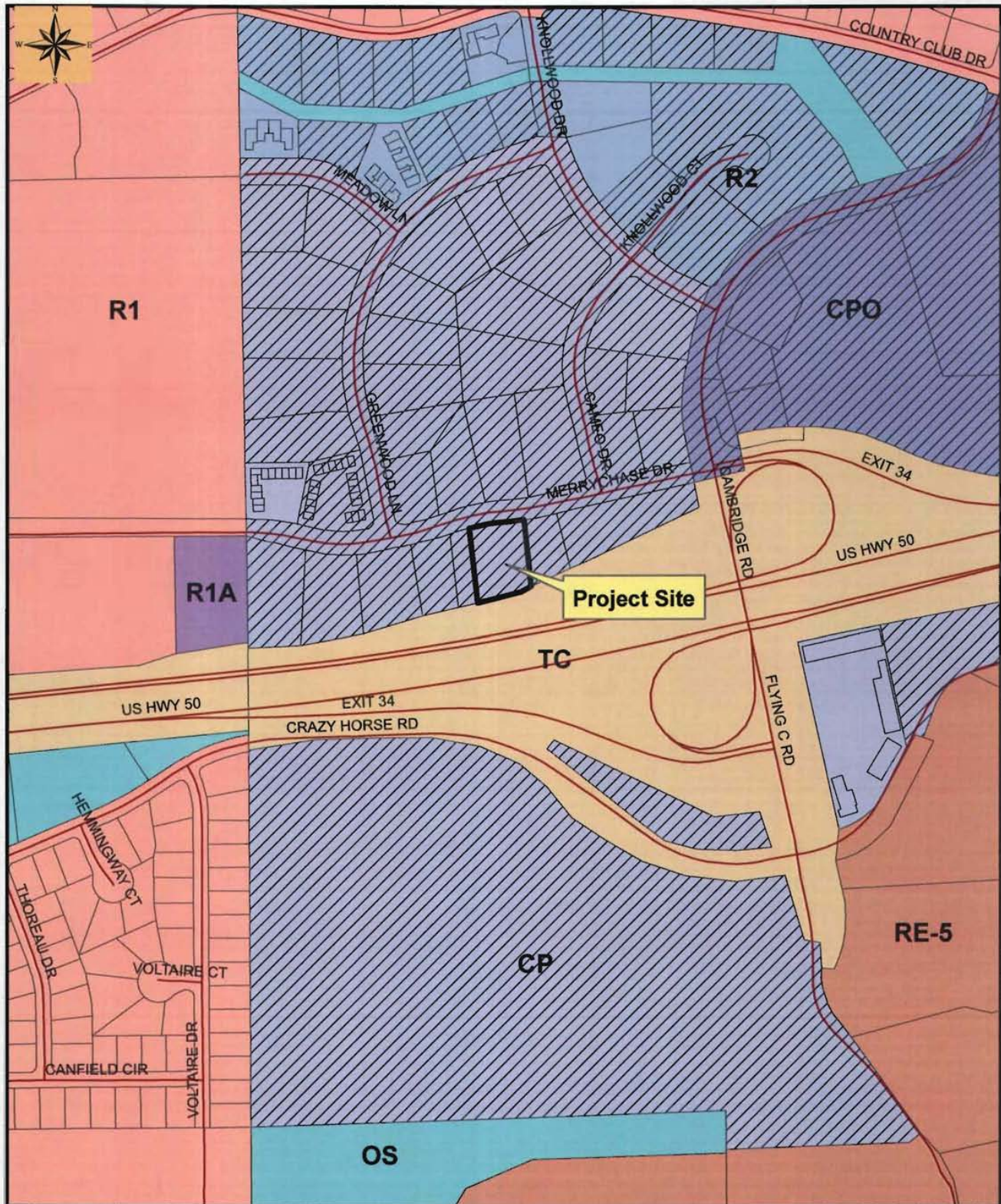


Map prepared by:
Jill Peterson
El Dorado County
Development Services Planning

Exhibit C- General Plan Land Use Map

0 60 120 240 Feet

Verizon Wireless Cellular Tower- Merrychase Drive Special Use Permit S14-0011



Map prepared by
Map Resources
© Donnell County
Development Services Planning

Exhibit D- Zone Map

Verizon Wireless Facility Special Use Permit S14-0011



Exhibit E- Aerial Photo and Surrounding Uses

Map prepared by:
Map Information
© Orange County
Development Services Planning

0 110 220 440 Feet



MERRYCHASE

LOCATION CODE #: 280589
PROJECT #: 20130988392

2550 MERRYCHASE DR.
CAMERON PARK, CA 95682

HMH
DESIGN GROUP
5184 FRY ROAD
VACAVILLE, CA 95687
PHONE: 707-448-8011

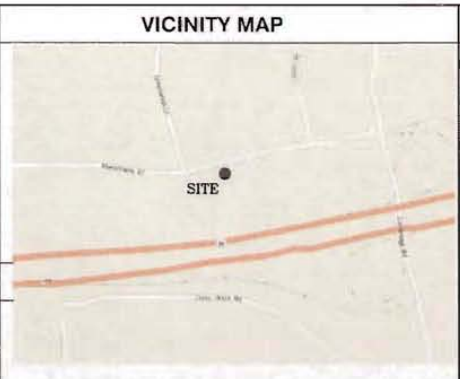


NO.	DATE	DESCRIPTION
0	10/25/14	ISSUE FOR REVIEW
1	10/29/14	MODIFY LEASE AREA
2	11/03/14	REVISIONS
3	01/29/15	PER REVISIONS
4	02/26/15	100% TDS
5	11/24/14	REV TRIPPOLE TO BROADLAF
6	11/27/14	REVISE TRIPPOLE CALLOUT
7	10/27/15	REVISE FENCE TO DOW WALL
8	10/27/15	REVISE LANDSCAPE

SHEET INDEX	
T-1	TITLE SHEET
C-1	SITE SURVEY
GP-1	PRELIM. GRADING PLAN
A-1	OVERALL SITE PLAN
A-2	EQUIPMENT PLANS
A-3	ELEVATION
A-4	ELEVATION
A-5	ELEVATION
A-6	ELEVATION
A-7	GENERATOR CUT SHEETS
A-8	HVAC UNIT CUT SHEETS

VERIZON WIRELESS SIGNATURE BLOCK	
	SIGNATURE _____ DATE _____
CONSTRUCTION:	_____
REAL ESTATE:	_____
RF ENGINEER:	_____
EQUIP. ENGINEER:	_____
WW ENG./TRANSPORT:	_____

EPIC WIRELESS SIGNATURE BLOCK	
EPIC WIRELESS GROUP, INC.	SIGNATURE _____ DATE _____
CONSTRUCTION:	_____
REAL ESTATE:	_____
LEASING:	_____



PROJECT TEAM	
APPLICANT:	Verizon Wireless 225 PARKSHORE DR. FOLSOM, CA 95630
CONSTR. MGR:	EPIC WIRELESS GROUP, INC. 8700 AUBURN FOLSOM RD. STE. 350 GRANITE BAY, CA 95748 PETE MARAS PHONE: (530) 383-5857
ZONING MGR:	EPIC WIRELESS GROUP, INC. 8700 AUBURN FOLSOM RD. STE. 350 GRANITE BAY, CA 95748 MARK LORING PHONE: (916) 844-9324
DESIGNER:	HMH DESIGN GROUP, LLC 5184 FRY ROAD VACAVILLE, CA 95687 PHONE: (707) 448-8011
SURVEYOR:	FORESIGHT LAND SURVEYING AND ENGINEERING JAM SCHURCHT PHONE: (925) 389-8180
OWNER:	MARC AND DEBBIE WOODER 2550 MERRYCHASE DR. CAMERON PARK, CA 95682
JURISDICTION:	EL DORADO COUNTY
SCHOOL DISTRICT:	EL DORADO COUNTY
FIRE DISTRICT:	EL DORADO COUNTY
OFFICE OF PS&L:	EL DORADO COUNTY

DRIVING DIRECTIONS

0.0 Depart 255 Parkshore Dr, Folsom, CA 95630 on Parkshore Dr
0.1 Turn LEFT (South) onto Folsom Blvd 1.8 mi
1.8 Take Ramp (RIGHT) onto US-50 11.0 mi US-50 E
12.9 At exit 34, keep STRAIGHT onto Ramp 0.3 mi Cambridge Rd
13.2 Turn LEFT (North) onto Cambridge Rd 0.2 mi
13.3 Turn LEFT (West) onto Merrychase Dr 0.1 mi
13.5 Arrive 2550 Merrychase Dr, Shingle Springs, CA 95682

BUILDING/SITE DATA	
PROJECT NUMBER:	20130988392
LOCATION CODE:	280589
A.P.N.:	082-421-05
ZONING:	CP - PLANNED COMMERCIAL
OCCUPANCY TYPE:	U
CONSTRUCTION TYPE:	V-B

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSIDERED NOT CONFORMING TO THESE CODES.

- CALIFORNIA ADMINISTRATIVE CODE (INCLUDING TITLES 24 & 25)
- CALIFORNIA BUILDING CODE (CBC) 2013
- CALIFORNIA MECHANICAL CODE (CMC) 2013
- CALIFORNIA PLUMBING CODE (CPC) 2013
- CALIFORNIA ELECTRIC CODE (CEC) 2013
- CALIFORNIA FIRE CODE (CFC) 2012
- COUNTY ORDINANCES

ACCESSIBILITY REQUIREMENTS:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE.

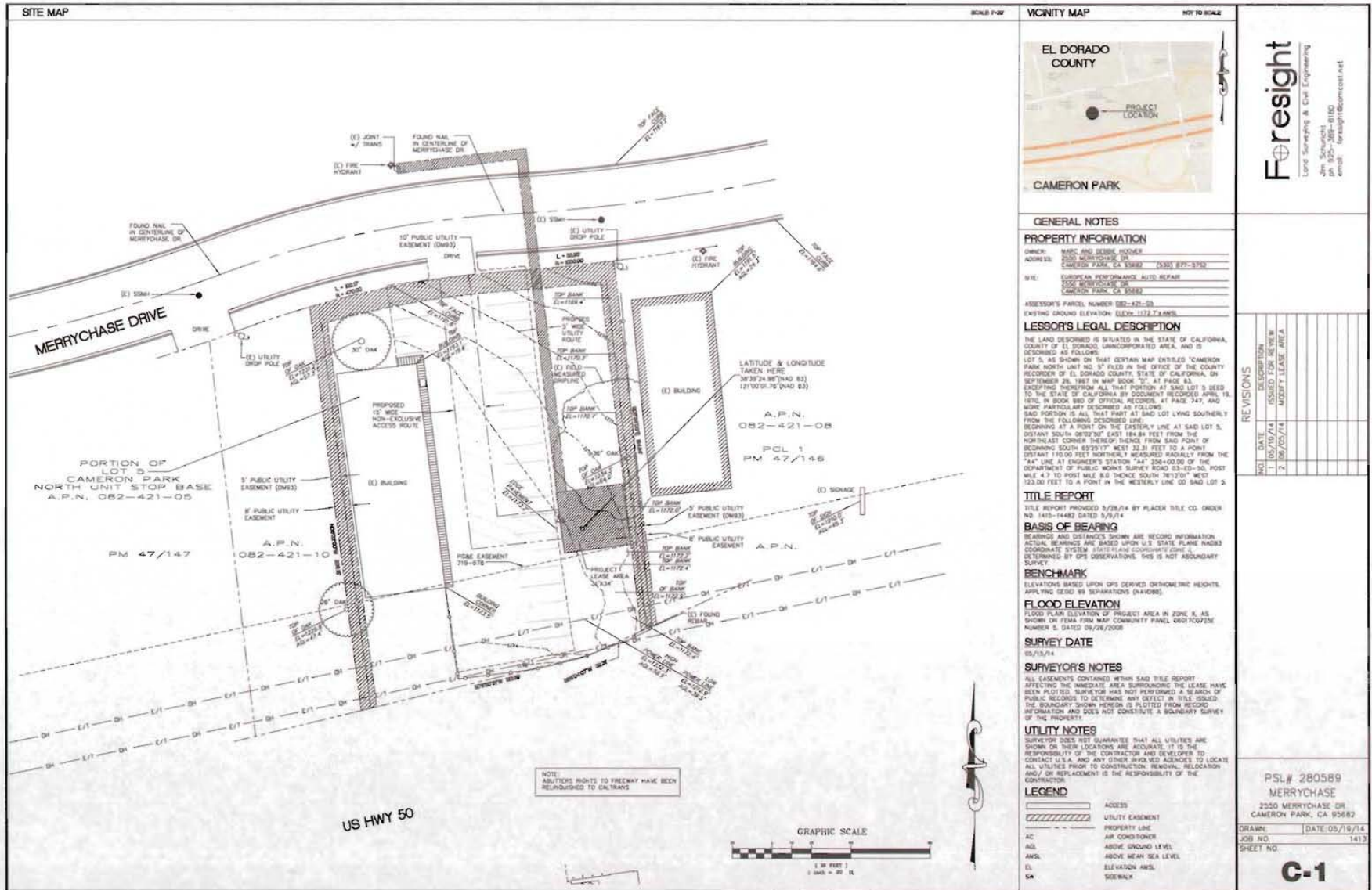
PROJECT DESCRIPTION

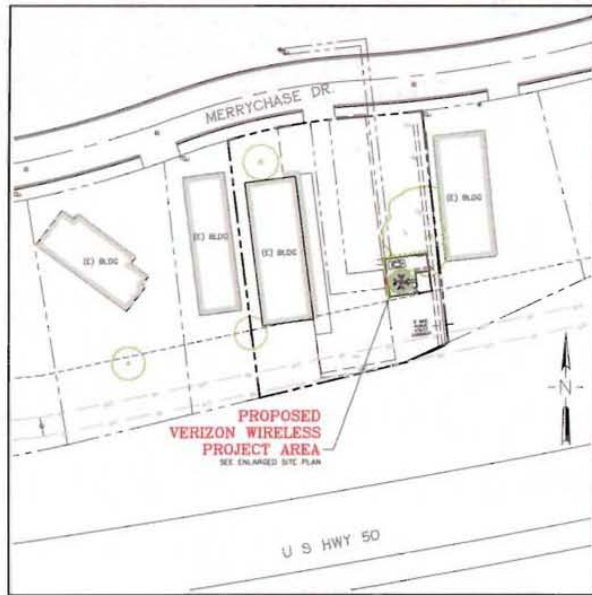
A NEW PROPOSED WIRELESS COMMUNICATIONS FACILITY TO INCLUDE:
INSTALL NEW 16'-10 1/2" X 11'-6" EQUIPMENT SHELTER
INSTALL NEW 88' BROADLEAF WOODSHEDS
INSTALL NEW 300K GENERATOR WITH 132 GALLON UL142 DIESEL FUEL TANK ON NEW 8'X13' CONCRETE PAD
INSTALL (8) PANEL ANTENNAS (2 PER SECTOR FOR 4 SECTORS), ANTENNAS TO HAVE "ANTENNA SOCKS"
INSTALL (8) RHUS12-A2 (2 PER SECTOR FOR 4 SECTORS)
INSTALL (4) RAYCAPS AT ANTENNAS (1) PER SECTOR
INSTALL (4) HYBRID TRUNK CABLES (1) PER SECTOR

VERIZON WIRELESS
225 PARKSHORE DRIVE
FOLSOM, CA 95630

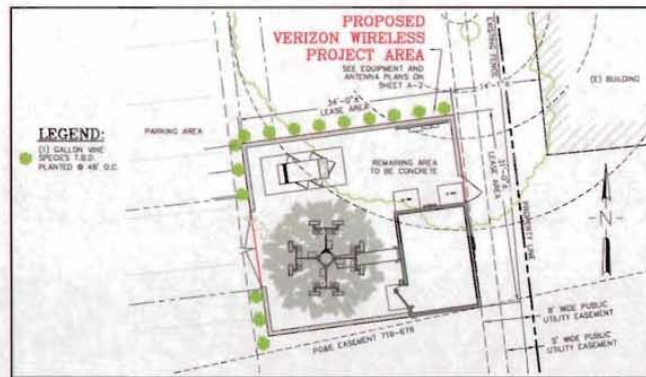
PROJ. NUMBER 20130988392
LOCATION CODE #280589
MERRYCHASE
2550 MERRYCHASE DR.
CAMERON PARK, CA 95682
DRAWN BY: P&L DATE: 05/29/14
HMH JOB NO.: 014028
SHEET NO.
T-1

EXHIBIT F



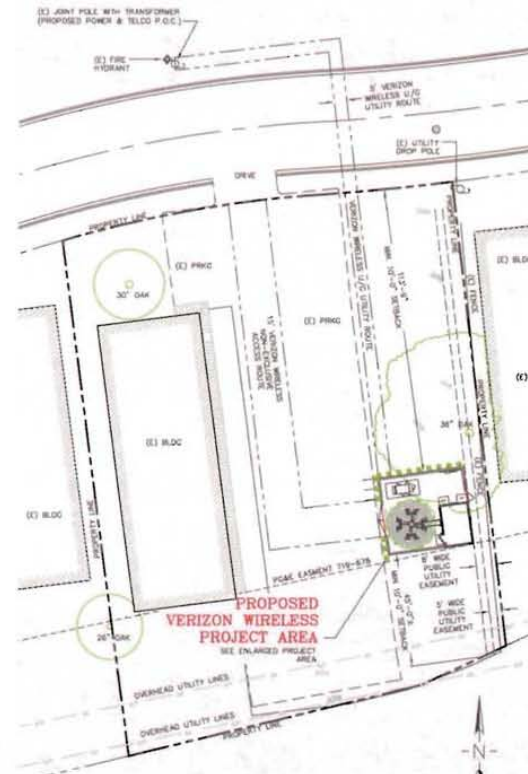


OVERALL SITE PLAN
SCALE: 1"=40'-0"



ENLARGED PROJECT AREA PLAN
SCALE: 1/8"=1'-0"

LEGEND:
(1) GALLON WIRE
SPRINKLER 1.5"
PLANTED @ 48" O.C.



ENLARGED SITE PLAN
SCALE: 1"=20'-0"

HMH
DESIGN GROUP
5184 FRY ROAD
MCKINLEY, CA 95867
PHONE: 707-448-8011



NO.	DATE	DESCRIPTION
0	05/20/14	ISSUE FOR REVIEW
1	06/04/14	MODIFY LEASE AREA
2	06/04/14	REVISIONS
3	06/20/14	REVISIONS
4	06/25/14	100% 20% 50%
5	11/04/14	REV. WIREPOLL TO BROADBAND
6	12/09/14	REV. WIREPOLL CALCUL
7	02/18/15	REV. TIME TO DRU WALL
8	02/19/15	REV. LANDSCAPE

verizon wireless
VERIZON WIRELESS
255 PARKSHORE DRIVE
FOLSOM, CA 95630

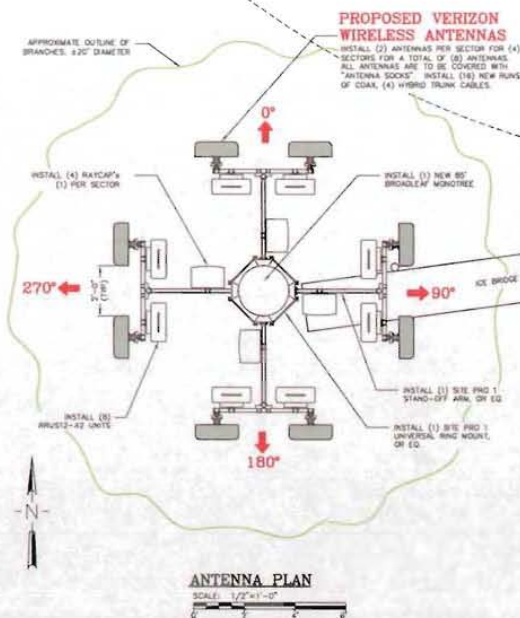
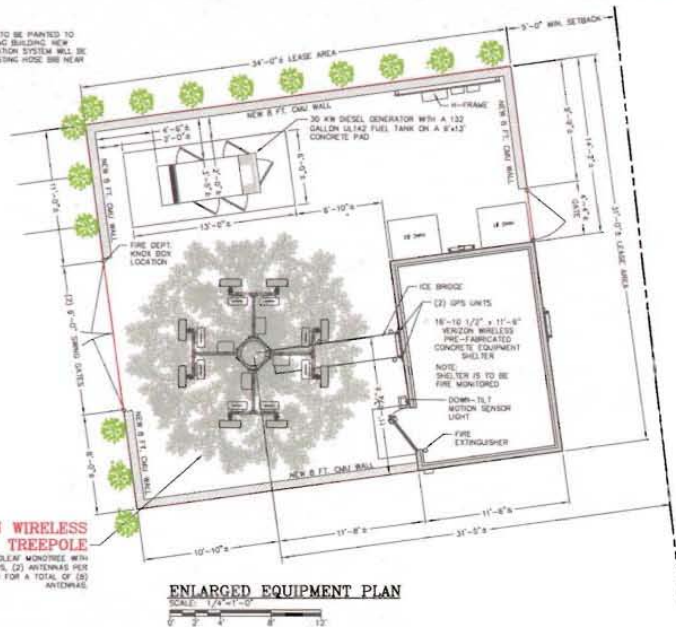
PROJ NUMBER 20130085-02
LOCATION CODE 1280389
MERRYCHASE
2350 MERRYCHASE DR
CAMERON PARK, CA 95682
DRAWN BY: P/W DATE: 05/29/14
HMM 200 NO. 014028
SHEET NO.

A-1

NOTE:
ONLY WALL IS TO BE PAINTED TO
MATCH EXISTING BUILDING NEW
PLANTS IRRIGATION SYSTEM WILL BE
TIED INTO EXISTING HOSE ONE NEW
ENTRANCE.



**PROPOSED VERIZON WIRELESS
TREEPOLE**
NEW 85' BROADLEAF MONOTREE WITH
(4) SECTORS, (2) ANTENNAS PER
SECTOR FOR A TOTAL OF (8) ANTENNAS



HMH
DESIGN GROUP
5184 FRY ROAD
VACAVILLE, CA 95687
PHONE: 707-448-8011



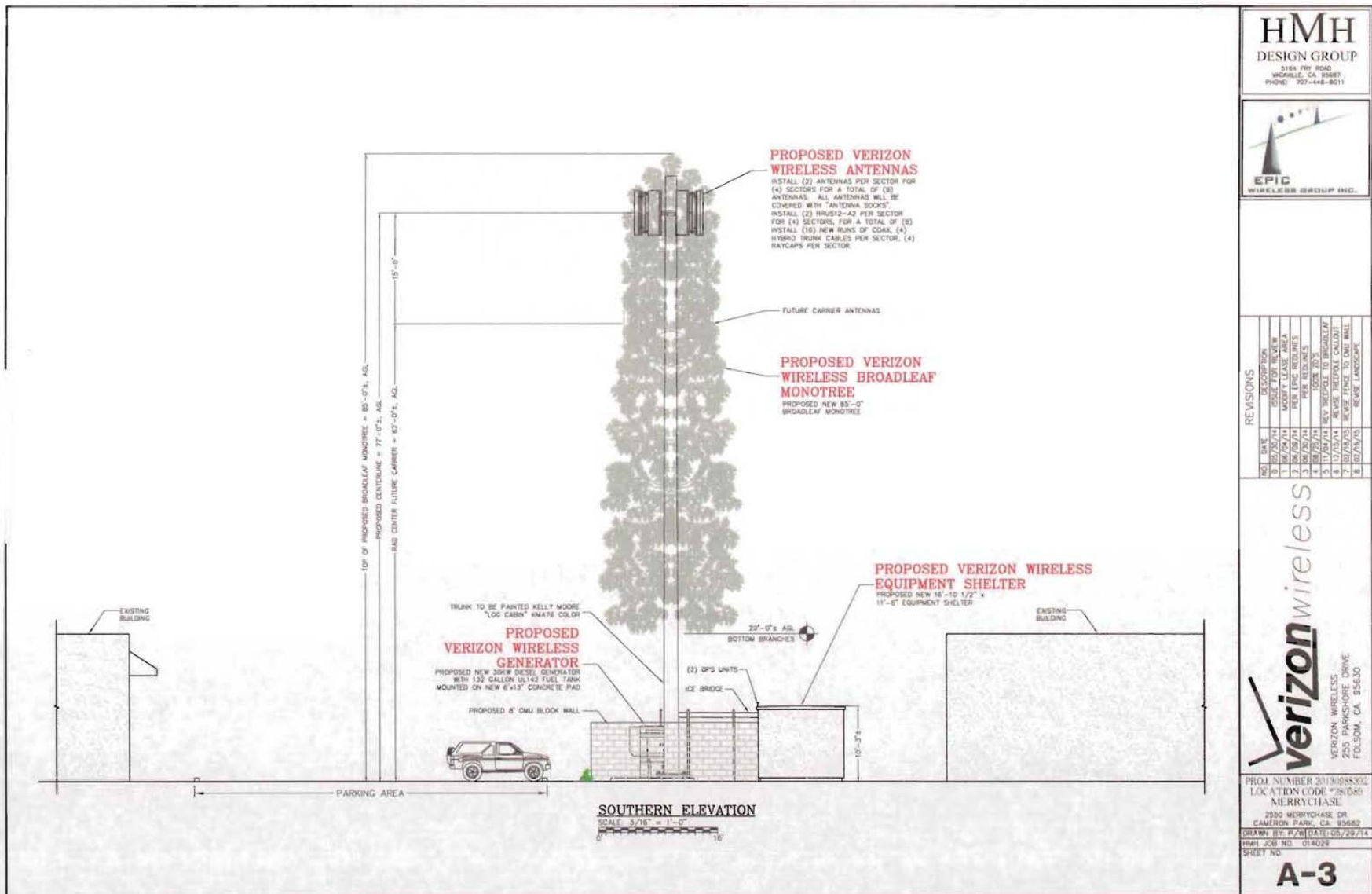
NO.	DATE	DESCRIPTION
0	05/25/14	ISSUE FOR REVIEW
1	06/04/14	MODIFY LEASE AREA
2	06/04/14	PERFORM REVISIONS
3	06/25/14	PERFORM REVISIONS
4	06/25/14	LOCK TOOLS
5	11/04/14	REV TREEPOLE TO BROADLEAF
6	12/15/14	REVISE TREEPOLE CALLOUT
7	02/17/15	REVISE TREEPOLE TO ONLY WALL
8	02/17/15	REVISE LANDSCAPE

verizon wireless
VERIZON WIRELESS
255 PARKSHORE DRIVE
POLSOM, CA 95650

PROJ NUMBER 2014088802
LOCATION CODE #260589
MERRYCHASE
2550 MERRYCHASE DR
CAMERON PARK, CA 95682
DRAWN BY: P/W DATE: 05/29/14
HMM-208 NO. 014229
SHEET NO.

A-2

EXHIBIT G





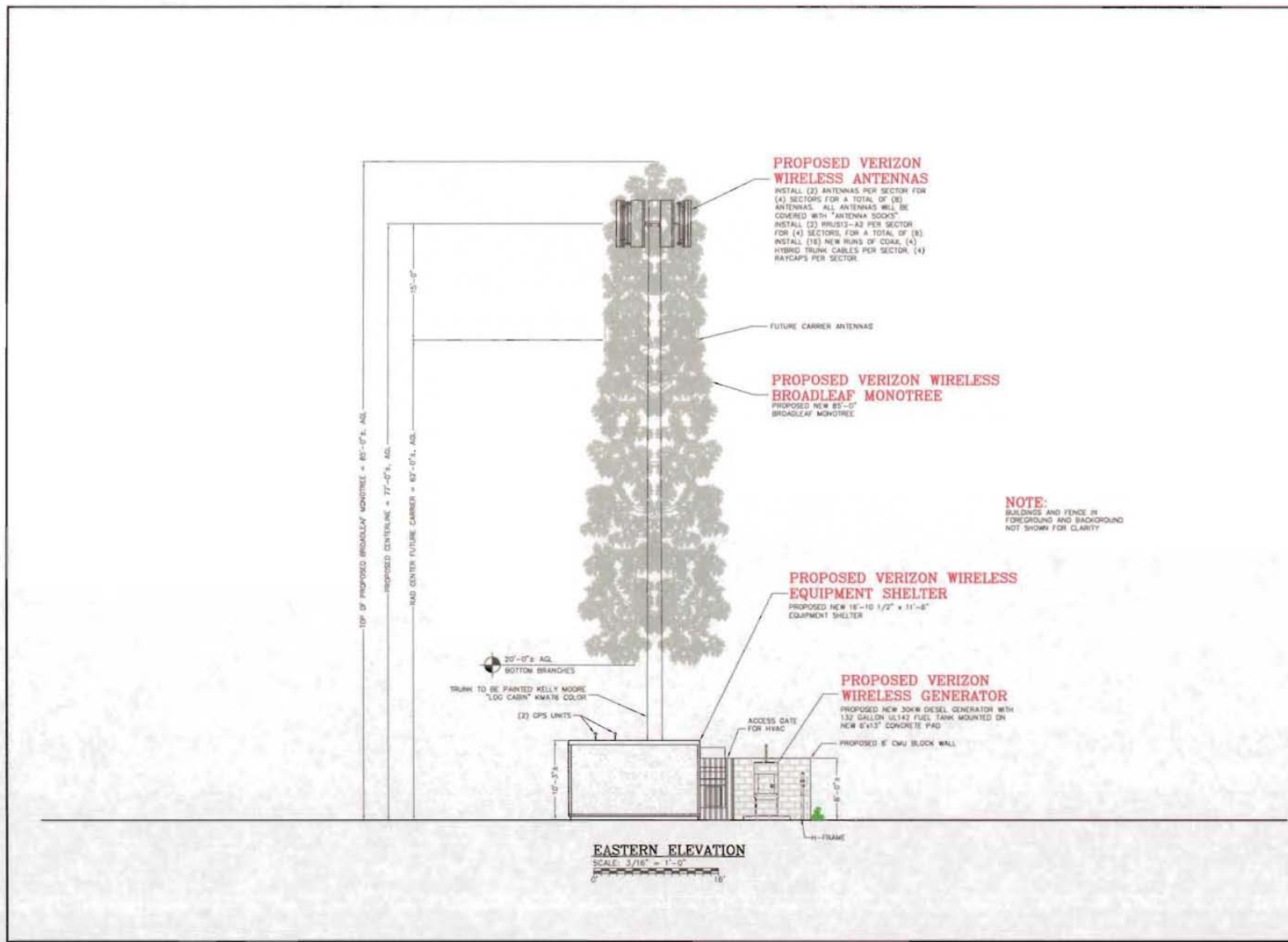
NO.	DATE	DESCRIPTION
1	05/25/14	ISSUE FOR NEW W
2	06/03/14	MODIFY LEASE AREA
3	06/25/14	PER RETAINERS
4	06/25/14	100% 20% S
5	11/04/14	REV TRUMPET TO BROADLEAF
6	11/25/14	REVUSE TRUMPET CALLOUT
7	02/07/15	REVUSE TRUMPET TO OMI WALL
8	07/17/15	REVUSE LANDSCAPE

verizon wireless

VERIZON WIRELESS
250 PARKSHORE DRIVE
PULSON, CA 95650

PROJ. NUMBER 20130085802
LOCATION CODE #260509
MERRYCHASE
2550 MERRYCHASE DR
CAMERON PARK, CA 95682
DRAWN BY: P.7/20 DATE: 05/29/14
HMH-200 NO. 014029

A-4





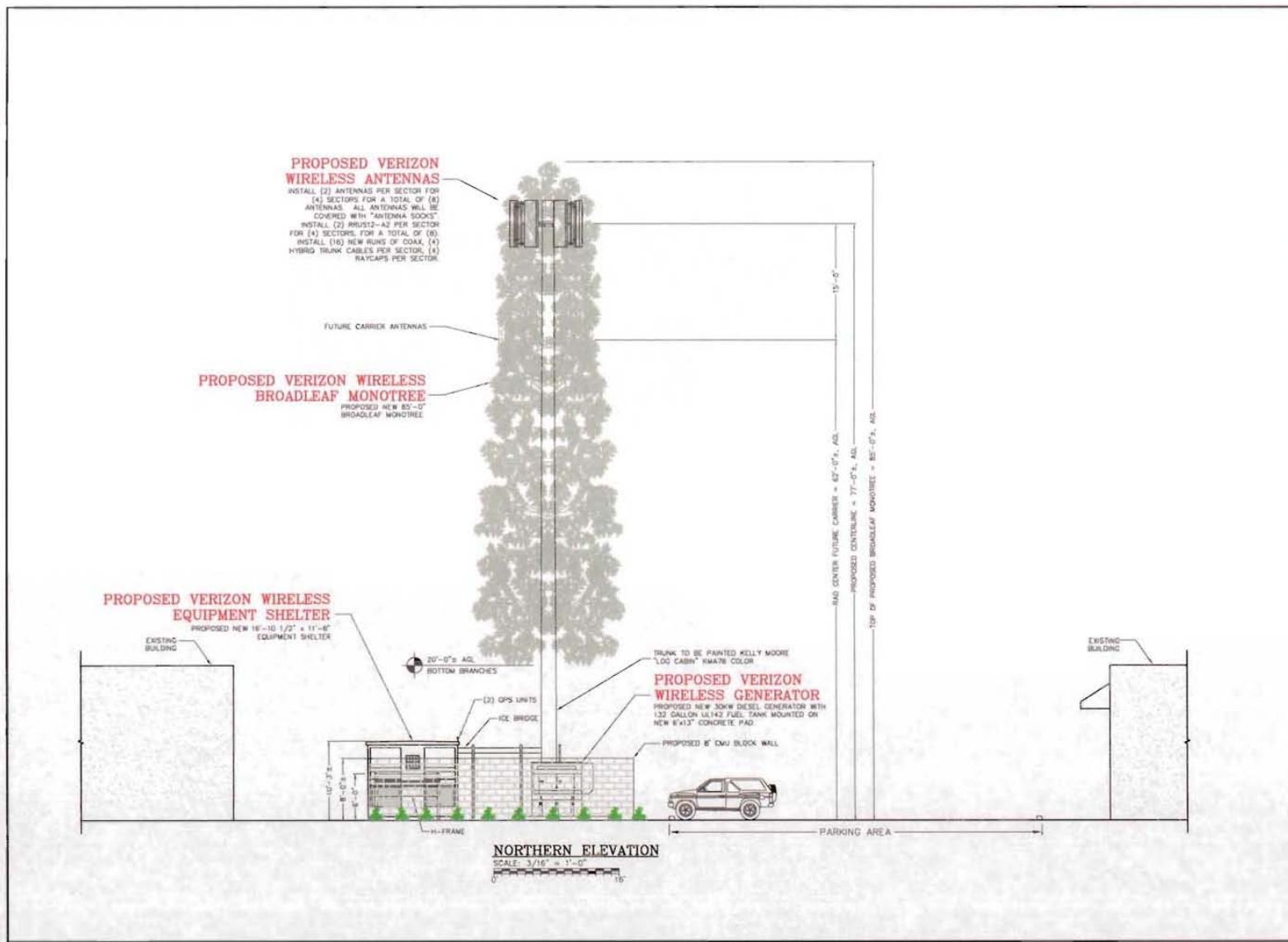
NO.	DATE	DESCRIPTION
0	05/25/14	ISSUE FOR REVIEW
1	06/04/14	MOODY LEASE AREA
2	06/25/14	PERFECTED PERMITS
3	08/25/14	PERMITS
4	08/25/14	100% 20% PERMITS
5	11/04/14	NEW TRIPPOLE TO BROADLEAF
6	11/17/14	REUSE TRIPPOLE CALLOUT
7	10/19/15	REUSE TRIPPOLE TO DOW WALL
8	02/19/15	REUSE LANDSCAPE

verizon wireless

VERIZON WIRELESS
255 PARKSHORE DRIVE
POLSOM, CA 95650

PROJ NUMBER 2013/088502
LOCATION CODE #280580
MERRYCHASE
2550 MERRYCHASE DR
CAMERON PARK, CA 95682
DRAWN BY: JZB DATE: 05/29/14
HMH JOB NO: 014028
SHEET NO:

A-5





NO.	DATE	DESCRIPTION
0	05/29/14	ISSUE FOR REVIEW
1	06/04/14	MODIFY LEASE AREA
2	06/25/14	PER SITE VISIT
3	06/25/14	PER SITE VISIT
4	06/25/14	LOCAL ZONING
5	11/04/14	REV TRIPPOLE TO BROADLEAF
6	12/15/14	REV TRIPPOLE CALLOUT
7	02/19/15	REV FENCE TO DOW WALL
8	02/19/15	REVISE LANDSCAPE

verizon wireless

VERIZON WIRELESS
225 PARKSHORE DRIVE
FOLSOM, CA 95630

PROJ. NUMBER 20130985302
LOCATION CODE *260549
MERRYCHASE
2300 MERRYCHASE DR
CAMERON PARK, CA 95682
DRAWN BY: J28 DATE: 05/29/14
HMH JOB NO: 014029
SHEET NO:

A-6

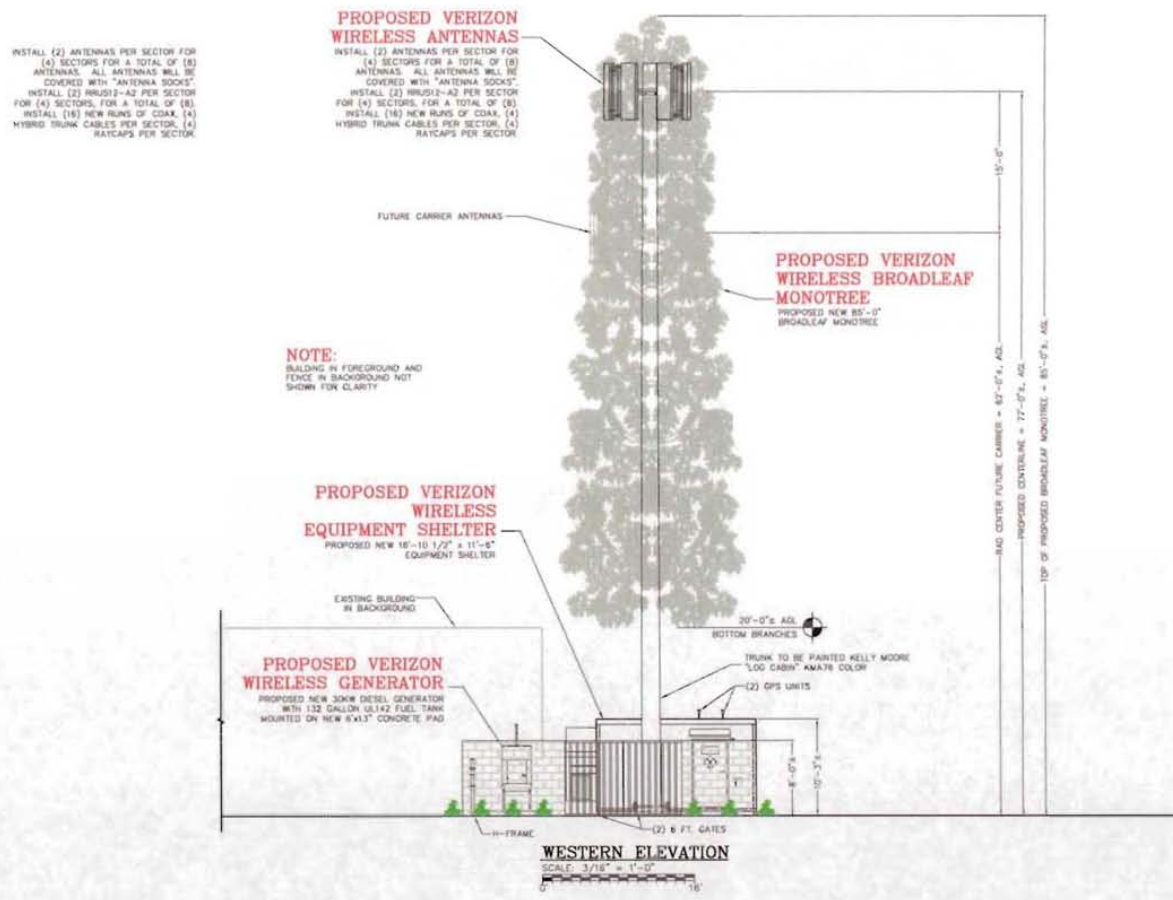
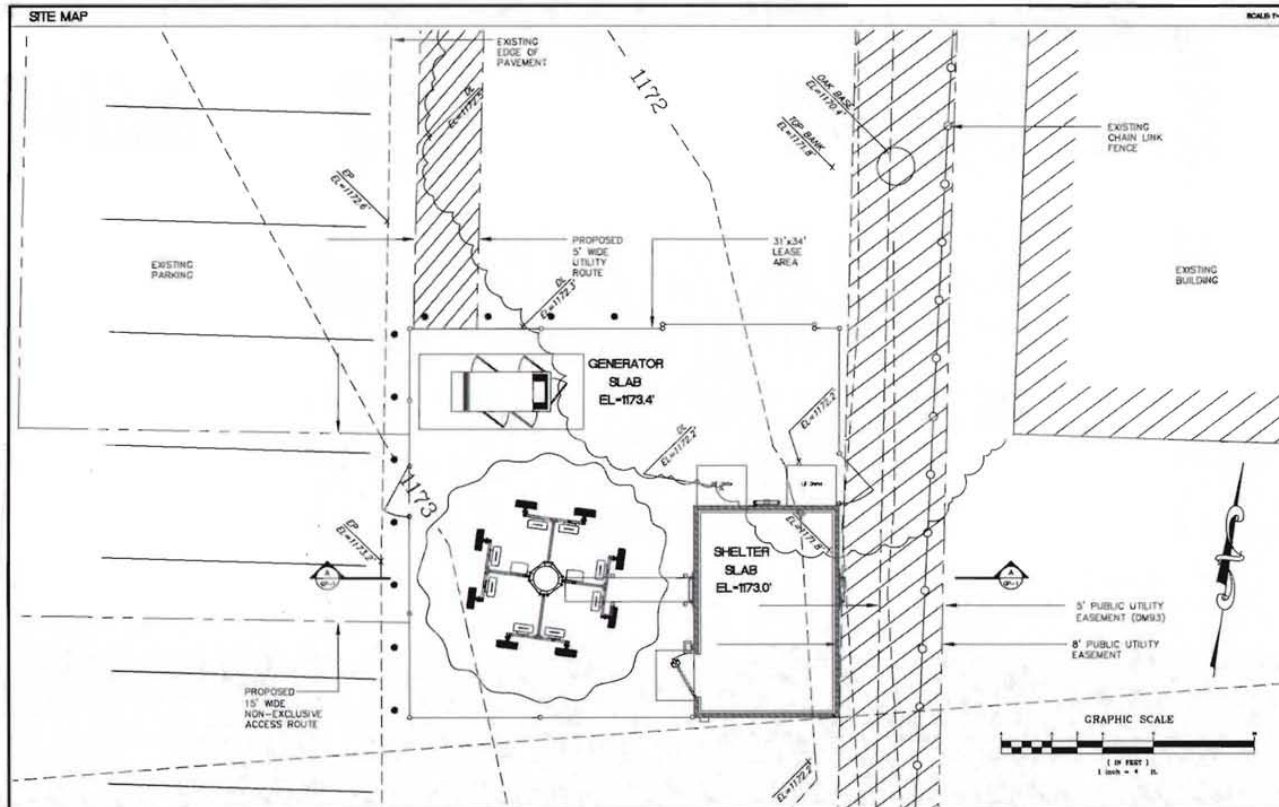


EXHIBIT H



SCALE 1/4" = 1'

GENERAL NOTES

BASE OF ELEVATION DATUM: ELEVATIONS SHOWN ARE BASED UPON GPS DERIVED ORTHOMETRIC HEIGHTS (NAVD83).

THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (800-442-2444, 48 HOURS PRIOR TO ANY EXCAVATION. THE U.S.A. AUTHORIZATION NUMBER SHALL BE KEPT AT THE JOB SITE AT ALL TIMES.

SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE HERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT FORESIGHT (925) 388-8180 FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.

ANY DAMAGE TO EXISTING IMPROVEMENTS INCURRED DURING THE GRADING OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITY FACILITIES ARE UNKNOWN. THE CONTRACTOR IS CAUTIONED THAT ONLY EXCAVATION WILL REVEAL EXACT EXTENT AND LOCATION OF UNDERGROUND OBSTRUCTIONS AND/OR UTILITIES. FORESIGHT ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE DELINEATION OF SUCH UNDERGROUND OBJECTS, NOR FOR THE EXISTENCE OF BURIED OBJECTS WHICH ARE NOT SHOWN ON THIS PLAN. THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY COMPANY TO OBTAIN INFORMATION REGARDING EXACT UNDERGROUND LOCATION OF UTILITY LINES PRIOR TO PERFORMING UNDERGROUND CONSTRUCTION. THE CONTRACTOR SHALL MAKE THE NECESSARY PROVISIONS TO IDENTIFY AREAS OF POSSIBLE CONFLICT WITH PROPOSED CONSTRUCTION.

THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, HE WILL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

GRADING NOTES

ALL GRADING, SITE PREPARATION, PLACING AND COMPACTING OF FILL SHALL BE DONE IN ACCORDANCE WITH EL DORADO COUNTY GRADING ORDINANCE.

ANY DEVIATION FROM THE APPROVED PLAN REQUIRES APPROVAL OF THE COUNTY OF EL DORADO AND SHALL BE ACCURATELY SHOWN ON REVISED PLANS.

CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AT ALL TIMES DURING THE GRADING OPERATION.

SILT AND EROSION CONTROL MEASURES ARE REQUIRED FOR WORK DURING THE RAINY SEASON (OCTOBER 15 THROUGH APRIL 15).

NO TREES SHALL BE REMOVED UNLESS THEY ARE SHOWN AND NOTED TO BE REMOVED ON THIS PLAN. ALL TREES CONFLICTING WITH GRADING UTILITIES OR OTHER IMPROVEMENTS, SO AS TO FORM A HAZARD OR OBSTACLE, SHALL BE TRIMMED, PROPERLY TREATED AND SEALED.

TREES TO BE SAVED SHALL BE FLAGGED AND MARKED PRIOR TO ANY CLEANING OR ANY CONSTRUCTION WORK AND PROTECTIVE FENCING SHALL BE INSTALLED PRIOR TO COMMENCING ANY GRADING.

HAULING OF ANY (EARTH, SAND, GRAVEL, STONE, DEBRIS, PAPER OR ANY OTHER SUBSTANCE, EXCAVATED FROM THE SITE OVER ANY PUBLIC STREET, ALLEY OR OTHER PUBLIC PLACE WITHOUT PRIOR APPROVAL FROM THE COUNTY IS RESTRICTED.

MUD TRACKED ONTO STREETS OR ADJACENT PROPERTIES SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.

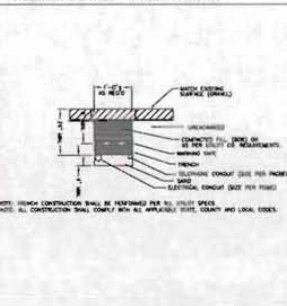
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTANT DRAINAGE OF THE SITE AND CONTROL OF SILTATION.

THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT ADJACENT WATER COURSES AND PUBLIC AND PRIVATE PROPERTY FROM DAMAGE BY EROSION, FLOODING AND DEPOSITION OF MUD OR OTHERS ORIGINATING FROM THE SITE.

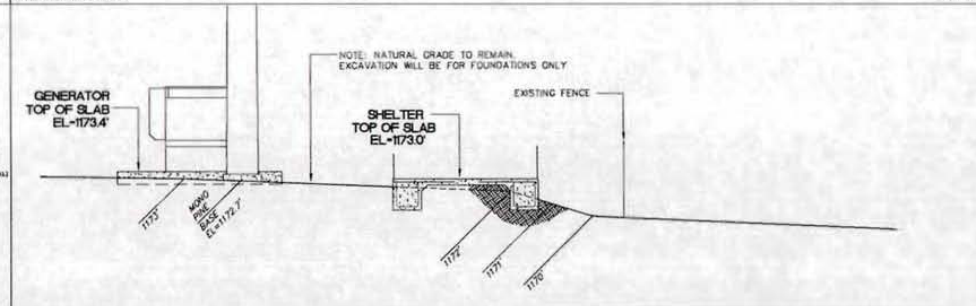
LEGEND

EP = EDGE OF PAVEMENT
DL = DRIVE LINE
EL = ELEVATION AMSL

TRENCH DETAIL - UTILITY ROUTE



SITE SECTION A-A



SCALE 1/4" = 1'

Foresight

Level Surveying & Civil Engineering
Jen M. Merychase, PLS
JMM@foresightconsult.net
foresightconsult.net

NO.	DATE	DESCRIPTION
1	05/24/14	ISSUED FOR REVIEW

PRELIMINARY GRADING PLAN

PSL # 280589
MERRYCHASE
2550 MERRYCHASE DR.
CAMDEN PARK, CA 95682
DRAWN: [] DATE: 06/04/14
JOB NO. 1413
SHEET NO.
GP-1



FOOTHILL ASSOCIATES

ENVIRONMENTAL CONSULTING • PLANNING • LANDSCAPE ARCHITECTURE

March 9, 2015

Mark Lobaugh
Epic Wireless Group, Inc.
8700 Auburn Folsom Road, Suite 400
Granite Bay, CA 95746

RE: Merrychase Verizon Arborist Report

Dear Mr. Lobaugh:

This letter updates the previous arborist report letter dated September 17, 2014 to reflect the new site plan, which includes a pre-cast concrete wall surrounding the utility enclosure in place of a chainlink fence.

Foothill Associates surveyed all trees within the parcel that contains the proposed construction of the wireless communications facility located at 2550 Merrychase Drive in Cameron Park, California. The property is privately owned and is associated with the adjoining European Performance auto repair business. El Dorado County General Plan Policy 7.4.4.4 states that an oak woodland is "one or more groupings of live trees, where the dominant species of the live trees within the grouping are native oaks." Since there are no groupings of oaks on the parcel and it is located in a developed area, this site would not be considered oak woodland, and therefore not subject to oak tree canopy cover retention requirements. However, the oak trees on the site are protected under General Plan Policy 7.4.5.2 and cannot be removed without a Tree Removal Permit.

The Arborist Survey was conducted on August 12, 2014, by ISA-Certified Arborist Kirk Vail (WE-4575A). All trees were labeled with a pre-printed metal tag, and examined to determine their species type, diameter at breast height (DBH), and height. A diameter tape was used to verify each trunk diameter at the industry standard of 54 inches above grade. The measurement from the trunk to the end of the longest lateral limb was used as the dripline radius (DLR). The health and structure of each tree was rated on a 5-point scale from poor to good.

A total of three trees, consisting of 2 blue oaks (*Quercus douglasii*) and 1 blue oak/valley oak hybrid (*Quercus x jolonensis*) were surveyed in with the subject property. Tree data is shown in **Table 1** below and approximate tree locations are shown in **Figure 1** enclosed.

EXHIBIT I

Table 1 – Tree Data

Tree Tag	Species	DBH (inches)	DLR	Health	Structure	Height (feet)	Notes
141	Blue Oak hybrid	35	35	Fair-Good	Fair-Good	43	Blue oak bark, valley oak leaf; eastern branches pruned back by owner; eastern half of root system likely removed during bank cutting; epicormic branching; shrubs planted near base.
142	Blue Oak	23,16,10	20	Good	Fair-Good	38	Growth form leaning north due to shading of adjacent interior live oak which has been removed; some landscaping around base.
143	Blue Oak	28	25	Fair-Good	Fair-Good	30	On border of western property; eastern root system likely removed by bank cutting; crown slightly reduced, some branches cut, no obvious signs of stress.

All of the trees are in Fair-Good to Good health. None of the trees are recommended for removal. Tree #141 is unusual in that it appears to be a hybrid of blue oak and valley oak. It is showing stress with epicormic branching (water sprouts), which would be expected as it appears to have lost a large portion of the root system due to previous development to the east. Additionally, the soil in the root zone of the trees is compacted from use as a parking area. Tree #142 has an asymmetrical canopy and has grown towards the north because of shading by an existing interior live oak tree which has now been largely removed. The landscaping at the base and construction on all sides does not appear to have impacted its health. Tree #143 appears reasonably healthy despite its apparent loss of half its root system from bank cutting.

The wireless facility will only impact Tree #141. As **Figure 1** shows, the proposed utility enclosure will encroach on the southern portion of the canopy and, hence, its root system. As shown in **Figure 1**, most of the encroachment within the canopy of this tree is due to the pre-cast concrete wall that surrounds the facility. The permanent impact of this wall should be minor since excavation is only required for the pilaster footings. Since the wall panels must be lifted into place, there is potential for temporary conflict with the canopy. Pruning for temporary construction access should be kept to a minimum. Instead limbs should be tied back to allow temporary access. Additionally, planting of screening shrubs may have minor impacts on the root system. Native or drought-tolerant shrubs should be selected and only on-surface drip irrigation should be used to avoid trenching and minimize additional water in the root zone of the oak.

The shelter slab and generator slab are located at the far edge of the enclosure and expected to have only minor impacts to the root system. In addition, a five-foot-wide utility underground easement is also proposed along the west side of the tree canopy. Trenching for utility installation has the potential to significantly impact the tree, therefore boring is recommended for utility installation under the canopy.

To minimize the potential impacts to Tree #141's root system, the following tree protection measures are recommended:

- Utilize boring techniques to install utility lines within the area under the canopy to avoid severing vital roots. If boring is impossible, all trenching near Tree #141's root system should be done by hand under the supervision of an ISA-Certified Arborist;
- Cut roots cleanly at the edge of excavation. Do not pull or tear roots. If roots are split during construction, follow root back and cut cleanly above split;
- No parking, portable toilets, dumping or storage of any construction materials, or unnecessary grading, or excavation, trenching, or other infringement should be done within the dripline;
- No signs, ropes, cables, or any other item shall be attached to the tree, unless recommended by an ISA-Certified Arborist;
- Where temporary construction access is required, limbs should be tied back rather than pruned to the greatest extent possible;
- Pruning of living limbs or roots over 2 inches in diameter shall be done under the supervision of an ISA-Certified Arborist; and
- Select native or drought-tolerant plants for screening and use on-surface drip irrigation to eliminate trenching within the root zone.

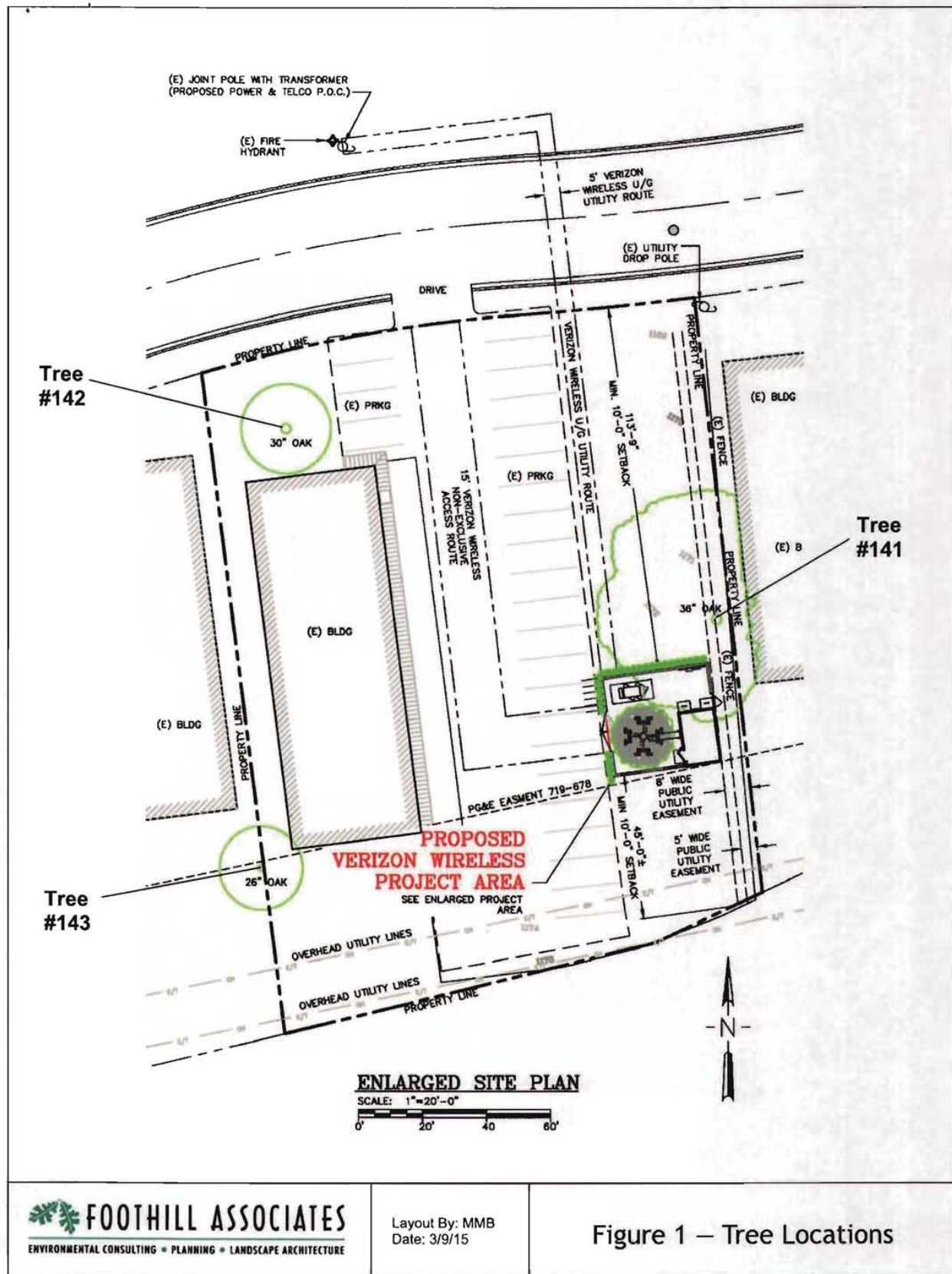
If you have any questions regarding this report please don't hesitate to contact me at (916) 435-1202 or email mbranstad@foothill.com.

Sincerely,



Meredith Branstad
ISA-Certified Arborist #WE-6727A

Enclosure: Figure 1 — Tree Locations



Existing



Proposed



view from Merrychase Drive looking south at site



280589 Merrychase
2550 Cameron Park, CA
Photosims Produced on 3-4-2015

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

EXHIBIT J

Existing



Proposed



view from Cambridge Road looking west at site



280589 Merrychase
2550 Cameron Park, CA
Photosims Produced on 12-3-2014

AdvanceSim
Photo Simulation Solutions
Contact 1 825 1 202-8507

Existing



Proposed

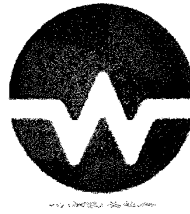


view from Merrychase Drive looking southeast at site

280589 Merrychase
2550 Cameron Park, CA
Photosims Produced on 12-3-2014

AdvanceSim
Photo Simulation Software
Contact: 925.292.8307





WATERFORD
COMPLIANCE...FROM START TO SIGNAL

RF EMISSIONS COMPLIANCE REPORT

Verizon Wireless

Site: Merrychase
2550 Merrychase Dr.
Cameron Park, CA 95682

Latitude/Longitude:
38.65694/-121.00049

August 27, 2014

Report Status:

Verizon Wireless Is under 5% Threshold

Prepared By:

Waterford Consultants, LLC

201 Loudoun Street SE, Suite 300
Leesburg, VA 20175

Voice (703) 596-1022
www.waterfordconsultants.com

EXHIBIT K

S 14-0011

15-0460 D 22 of 31

ENGINEERING STATEMENT CONFIRMING COMPLIANCE

With Radiofrequency Radiation Exposure Limits

Compliance Statement

Subject site COMPLIES with Radiofrequency Radiation Exposure Limits of 47 C.F.R. § 1.1307(b)(3) and 1.1310

Technical Framework: Basis for Compliance Statement

Criteria for evaluation are listed in Table 1 of 47 C.F.R. § 1.1310. Calculations using input data provided to Waterford by client or client's representative numerically confirm the subject site can operate at a 100% duty cycle without creating situations that exceed MPE limits in areas of uncontrolled access. Because the subject facility is commercial infrastructure, general public access to the immediate vicinity of the equipment is likely to diminish the quality of wireless service available to the community. For that reason, whether signage is, or is not required as a safety precaution, Waterford recommends placement of signage at the subject site for the purpose of improving network reliability by discouraging public access.

Power density decreases significantly over a short distance from any antenna. Specifically with respect to directional panel antennas, the design, oriented in azimuth and elevation as documented, reasonably precludes potential to exceed MPE limits at any location other than directly in front of the antenna. Areas in front of the antenna that are restricted by barriers, would require climbing or are otherwise beyond the reach of a standing individual of average height are not considered accessible. Analysis or measurement of instantaneous energy levels is performed for use as proof of compliance with FCC rules and regulations applicable to non-occupational persons, those individuals who are not authorized to access portions of the antenna support structure above ground level. To assess time-weighted exposure to occupational personal working within secured areas of the site, on the supporting structure, or in the immediate proximity of the antenna equipment is a separate study requiring detailed ergonomic information.

Regulatory Framework

The FCC requires licensees to assure that persons are not exposed to radiofrequency electromagnetic energy power densities in excess of the applicable MPE (Maximum Permissible Exposure) limit. These rules apply to both Occupational Personnel and the General Population. Applicable FCC rules are found at 47 C.F.R. § 1.1307(b)(3) and 1.1310. The FCC rules define two tiers of permissible exposure that are dependent on the situation in which the exposure takes place and/or the status of the individuals who are subject to exposure.

General Population / uncontrolled exposure limits apply to those situations in which persons may not be aware of the presence of electromagnetic energy, where exposure is not employment-related, or where persons cannot exercise control over their exposure.

Occupational / controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment, have been made fully aware of the potential for exposure, and can exercise control over their exposure.

Maximum Permissible Exposure ("MPE") is defined in OET 65 as being 100% of the exposure limit for the situation or tier of permissible exposure. The time averaged maximum permissible exposure to radiofrequency electromagnetic energy (RF), shown in Table 1 of Appendix A, expressed in milliwatt-minutes per square centimeter, is the same value for both tiers. FCC intention regarding time averaged exposure is expressed in this quote from page 10 of OET 65:

"Another feature of the exposure guidelines is that exposures, in terms of power density, E2 or H2, may be averaged over certain periods of time with the average not to exceed the limit for continuous exposure.¹¹ As shown in Table 1 of Appendix A, the averaging time for occupational/controlled exposures is 6 minutes, while the averaging time for general population/uncontrolled exposures is 30 minutes. It is important to note that for general population/uncontrolled exposures it is often not possible to control exposures to the extent that averaging times can be applied. In those situations, it is often necessary to assume continuous exposure.

As an illustration of the application of time-averaging to occupational/controlled exposure consider the following. The relevant interval for time-averaging for occupational/controlled exposures is six minutes. This means, for example, that during any given six-minute period a worker could be exposed to two times the applicable power density limit for three minutes as long as he or she were not exposed at all for the preceding or following three minutes. Similarly, a worker could be exposed at three times the limit for two minutes as long as no exposure occurs during the preceding or subsequent four minutes, and so forth.

¹¹ Note that although the FCC did not explicitly adopt limits for peak power density, guidance on these types of exposures can be found in Section 4.4 of the ANSI/IEEE C95.1-1992 standard."

At the entry to any area in excess of 100% General Population MPE, access controls must be put in place and maintained to restrict access, preventing occupancy by the general population. For persons who have been properly trained and meet the definition of being Occupational Personnel, access to areas at the Occupational MPE limit may be granted for six minutes, so long as the preceding six minute period and the following six minute period are free from exposure; the worker is not exposed to any RF energy. Subject to other site security requirements, Occupational Personnel trained in RF safety and equipped with personal protective equipment designed for safe work in the vicinity of RF may be granted access. Controls such as physical barriers to entry imposed by locked doors, locked passageways, or other access control mechanisms may be supplemented by alarms that notify site management of a breach in access control. Controls may include administrative policies and procedures requiring proof of personal protective equipment (e.g. RF attenuating eyewear, wearable RF shielding), RF training requirements to obtain site access cards, presentation of appropriate RF awareness training certifications to security personnel, requirement to wear a personal RF monitor, or other measures that control access.

FCC regulations regarding Radiofrequency radiation exposure, expressed in 47 CFR § 1.1310 are further clarified with respect to the value of 5% of exposure limits for the subject transmitters in the following section of 47 CFR § 1.1307 (b):

(3) In general, when the guidelines specified in § 1.1310 are exceeded in an accessible area due to the emissions from multiple fixed transmitters, actions necessary to bring the area into compliance are the shared responsibility of all licensees whose transmitters produce, at the area in question, power density levels that exceed 5% of the power density exposure limit applicable to their particular transmitter or field strength levels that, when squared, exceed 5% of the square of the electric or magnetic field strength limit applicable to their particular transmitter. Owners of transmitter sites are expected to allow applicants and licensees to take reasonable steps to comply with the requirements contained in § 1.1307(b) and, where feasible, should encourage co-location of transmitters and common solutions for controlling access to areas where the RF exposure limits contained in § 1.1310 might be exceeded.

Following these FCC requirements, predictive modeling was performed. That modeling indicates power density levels from client transmitters do not exceed 5% of the power density MPE limit applicable to their transmitters.

Qualifications of Waterford

With more than 40 team-years of experience, Waterford Consultants, LLC [Waterford] provides technical consulting services to clients in the Radio Communications and antenna siting industry. Waterford retains professional engineers who are placed in responsible charge of the processes for analysis.

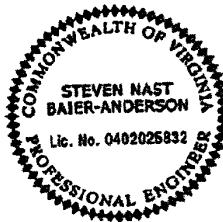
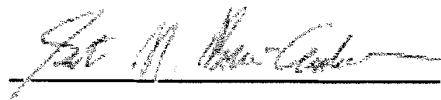
Waterford is familiar with 47 C.F.R. §§ 1.1307(b)(3) and 1.1310 along with the general Rules, Regulations and policies of the FCC. Waterford processes incorporate all specifications of FCC Office of Engineering and Technology, Bulletin 65 ("OET65"), from the website: [Uwww.fcc.gov/oet/rfsafety,U](http://www.fcc.gov/oet/rfsafety) and follow criteria detailed in 47 CFR § 1.1310 "Radiofrequency radiation exposure Limits".

Within the technical and regulatory framework detailed above, Waterford created sophisticated computer modeling tools that operate on data provided by Waterford clients through the Waterford web portal. In developing these tools, Waterford chose each program step encoded into computer modeling tools according to recognized and generally accepted good engineering practices. Permissible exposure limits are band specific, and the Waterford computerized modeling tools correctly calculate permissible exposure based on the band(s) specified in the input data. Only clients and client representatives are authorized to provide input data through the Waterford web portal. In securing that authorization, clients and client representatives warrant the accuracy of all input data.

Waterford Consultants, LLC attests to the accuracy of the engineering calculations. Waterford also attests that the results of those engineering calculations are correctly summarized in this report.

Certification

I hereby certify that this report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the law.



Steven Nast Baier-Anderson
Registered Professional Engineer
Commonwealth of Virginia Reg. No. 0402-025832
August 27, 2014

2014.08.27 09:33:19 -04'00'

PROJECT SUPPORT STATEMENT

DEVELOPMENT APPLICATION FOR VERIZON SITE "MERRYCHASE"

APN 082-421-05-10

2550 MERRYCHASE DR., CAMERON PARK, CA. 95682

INTRODUCTION

Verizon Wireless is seeking to improve communications service in the El Dorado County area near Cambridge Road and Hwy 50. Verizon would like to increase coverage and capacity in the area by constructing a new telecommunications facility in to improve service for both current and potential customers. Additionally, this network development will increase public safety within these areas and bring wireless service to areas that currently have poor capacity service.

This tower will help alleviate an area of poor coverage and inadequate capacity within this service area, which causes reoccurring lost calls and ineffective service. This site will relieve inadequate capacity in the area due to high cell phone usage along Hwy 50 and will also improve service in the town of Cameron Park. The proposed location of the tower is set within an unutilized portion of this parcel and will be designed to comply with all County of El Dorado's wireless design guidelines. The proposed Verizon Communications facility will be located within a 31' x 34' block walled compound, painted to match the existing automotive repair facility onsite and will include a row of vines planted along the north and west perimeters to provide additional decorative screening. The project will include: (1) proposed 16'10.5" x 11'6" equipment shelter, 6'x13' pad for a 30kw emergency standby generator and a 85' stealth, broadleaf monotree designed to blend in with the existing oak trees nearby. This tower will accommodate (4) sectors with (2) antennas per sector with "antenna socks", (2) remote radio units (RRU's) per sector. This tower has been designed to accommodate future collocation by other carriers.

The parcel select selected for this communication is owned by, Marc and Debbie Hoover and totals 0.70 acres. The location for this project is situated approximately 153' from Merrychase Rd.

This unmanned facility will provide service to area travelers, residents and businesses 24 hours a day, 7 days a week. This site will also serve as a back up to the existing landline service in the area and will provide improved mobile communications, essential to modern day commerce and recreation.

ALTERNATIVE SITE ANALYSIS

Numerous alternative sites were explored during the due diligence phase of this project. The following sites were reviewed and ultimately rejected for a variety of reasons.

Church of the Foothills vacant parcel: This site was rejected for a variety of reasons including proximity to power and being further west than was desired by Verizon RF.

PG&E Colocation, 2380 Merrychase Dr.: This site was rejected as PG&E will no longer allow antennas above the conductors. Below conductors is too low.

Church of the Foothills 3939 Cambridge Rd: Rooftop mounted antennas would not provide adequate antenna height for this proposed site. Also very limited space for ground equipment.

2522 Merrychase Dr., Lighting Unlimited retail store: This parking lot site would have resulted in loss of parking stalls and had limit room for the proposed cell site.

Project Support Statement – Verizon Merrychase Site

EXHIBIT L

SAFETY BENEFITS OF IMPROVED WIRELESS SERVICE

Mobile phone use has become an extremely important system for public safety. Along roads and highways without public call boxes, mobile phones are often the only means for emergency roadside communication. Motorists with disabled vehicles (or worse) can use their phone to call in and request appropriate assistance. With good cellular coverage along important roadways, emergency response is just a phone call away. Furthermore, as a back up system to traditional landline phone service, mobile phones have proven to be extremely important during natural disasters and other catastrophes.

Verizon has taken the responsibility for back-up service very seriously. As such, Verizon has incurred increased expense to install a standby diesel generator at this facility to insure quality communication for the surrounding community regardless of any disaster or catastrophe.

CONVENIENCE BENEFITS OF IMPROVED WIRELESS SERVICE

Modern day life has become increasingly dependent on instant communications. Whether it is a parent calling their child, spouse calling a spouse, or general contractor ordering materials to the jobsite, wireless phone service is no longer just a convenience. It has become a way of life and a way of business.

COMPLIANCE WITH COUNTY DEVELOPMENT STANDARDS

This project has been carefully designed to comply with all applicable standards.

COMPLIANCE WITH FCC STANDARDS

This project will not interfere with any TV, radio, telephone, satellite, or any other signals. Any interference would be against the Federal Law and would be a violation Verizon Wireless' FCC License. In addition, this project will conform to all FCC standards.

TECHNOLOGY AND CONSUMER SERVICES THE CARRIER WILL PROVIDE ITS CUSTOMERS

Verizon offers its customers multiple services such as, voice calls, text messaging, mobile email, picture/video messaging, mobile web, navigation, broadband access. Wireless service enhances public safety and emergency communications in the community. In rural areas such as the subject location, cellular phone service can cover much larger geographic areas than traditional landline phone service.

FUTURE COLLOCATION OPPORTUNITIES

The proposed site has been designed to allow for future co-location opportunities with other carriers. The land lease provides sufficient space for additional service providers and the tower and its foundation are designed for future equipment. This tower will eliminate the need for multiple towers within the same general vicinity as it has been designed to accommodate up to (3) carriers and their associated ground equipment.

LIGHTING

Unless tower lighting is required by the FAA the only lighting on the facility will be a shielded motion sensor light by the door on the equipment shelter for servicing the equipment.

NOISE

The standby generator will be operated for approximately 15 minutes per week for maintenance purposes, and during power outages and disasters.

HAZARDOUS MATERIAL

A Hazardous Material Business Plan will also be submitted upon project completion, and stored on site after construction

ENVIRONMENTAL SETTING

The site is set within a parcel that is zoned RE-5 Rural Residential and is consistent with application design standards in the area and environment.

MAINTENANCE AND STANDY GENERATOR TESTING

Verizon installs a standby diesel generator and batteries at many of its cell sites. The generator and batteries serve a vital role in Verizon emergency and disaster preparedness plan. In the event of a power outage, Verizon communications equipment will first transition over to the back-up batteries. The batteries can run the site for a few hours depending upon the demand placed upon the equipment. Should the power outage extend beyond the capacity of the batteries, the back-up generator will automatically start and continue to run the site. This two state back-up plan is an extremely important component of Verizon communications sites. Back-up batteries and generators allow Verizon communications sites to continue providing valuable communications services in the event of a power outage, natural disaster or other emergency.

A standby generator will be installed at the site to ensure quality and consistent coverage in the event of a power outage or disaster. This generator will be run for approximately 15 minutes per week for maintenance purposes, and during power outages and disasters.

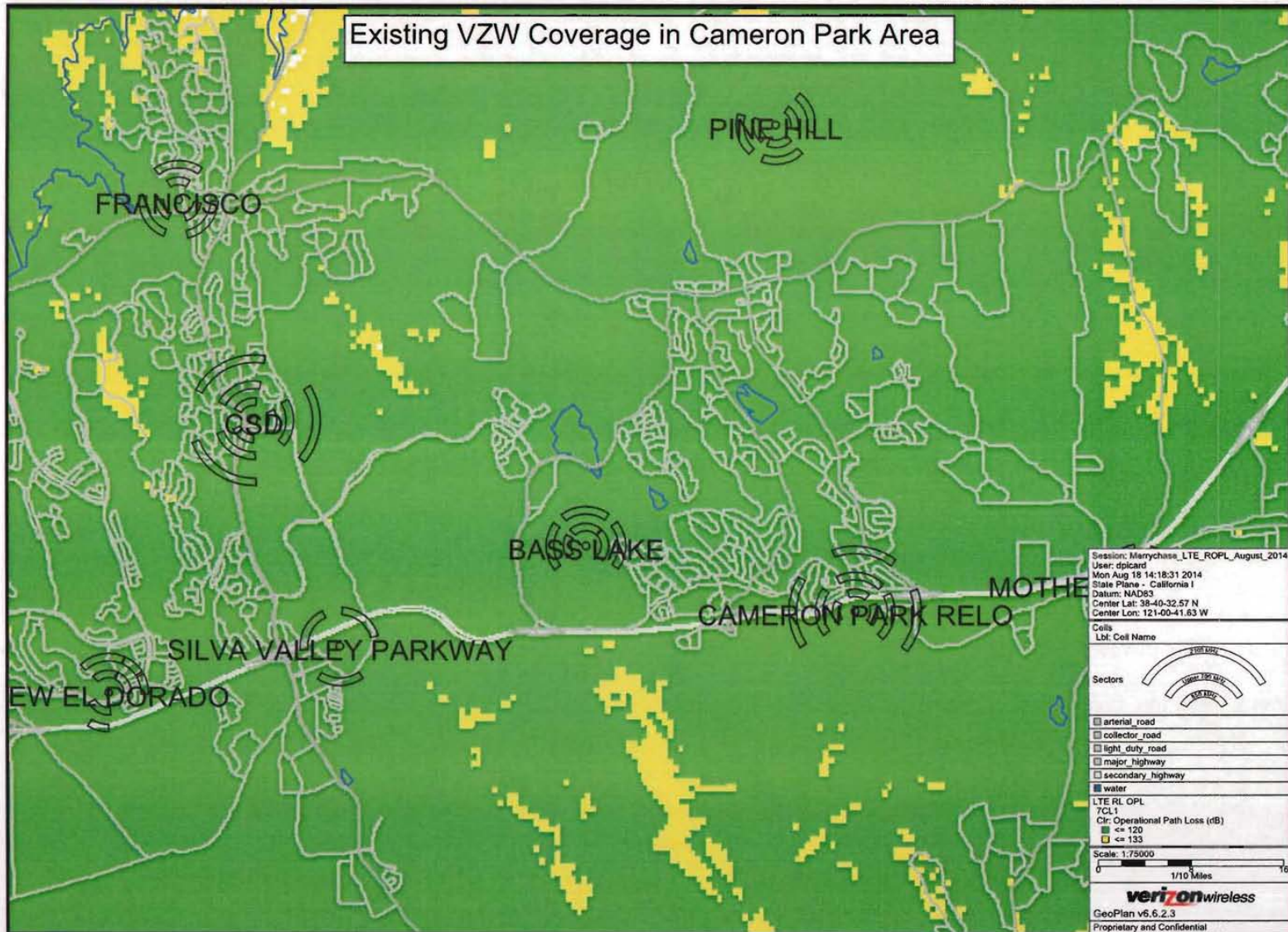
A technician will visit the site approximately twice a month to check the facility and perform any necessary maintenance.

CONSTRUCTION SCHEDULE

The construction of the facility will be in compliance with all local rules and regulations. The typical duration is two months. The crew size will range from two to ten individuals.

SEP 19 11:41:20
RECEIVED
PLANNING DEPARTMENT

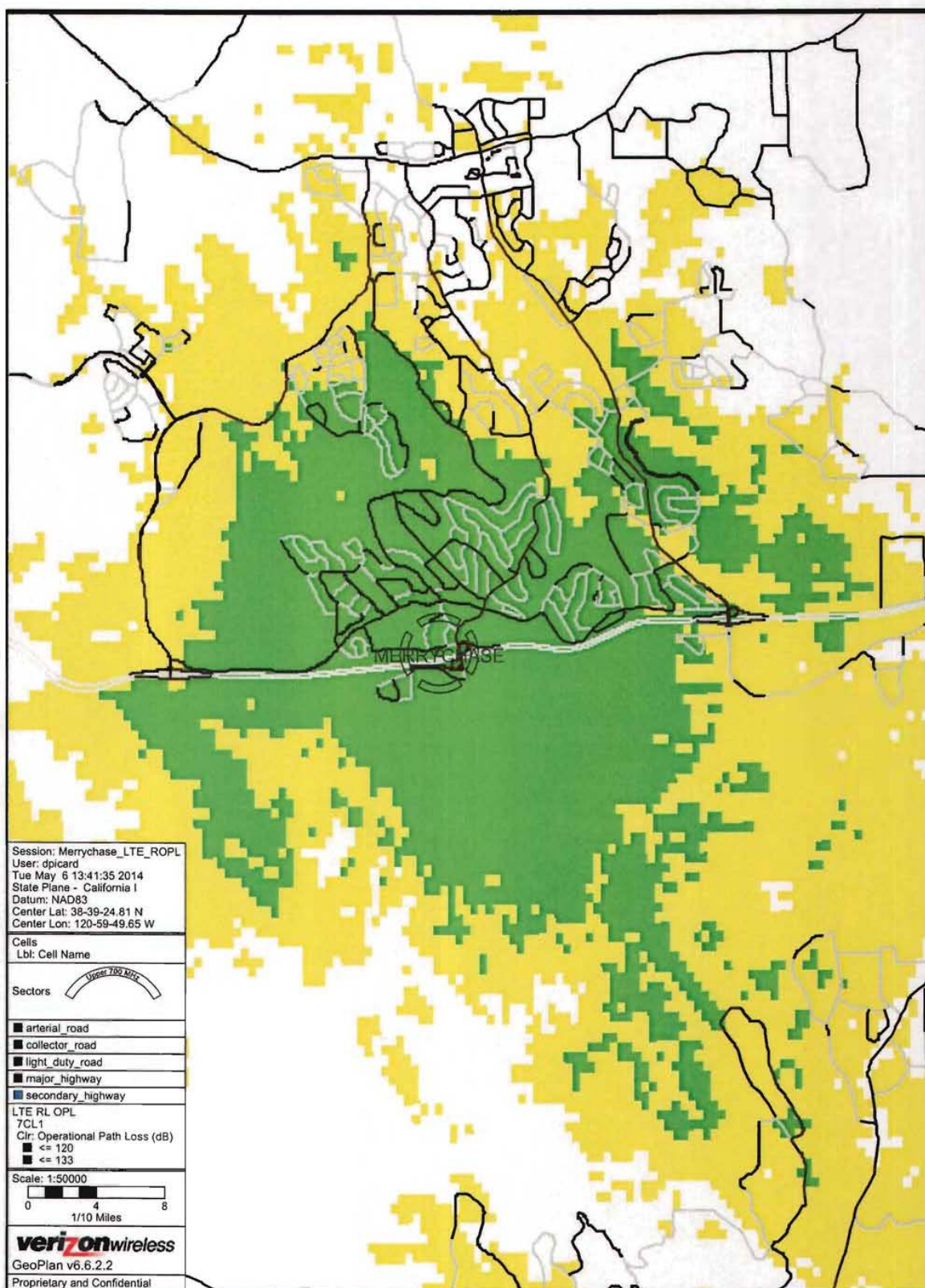
Existing VZW Coverage in Cameron Park Area



S 14-0011

SEP 19 PM 4:20

RECEIVED
INTELS DEPARTMENT

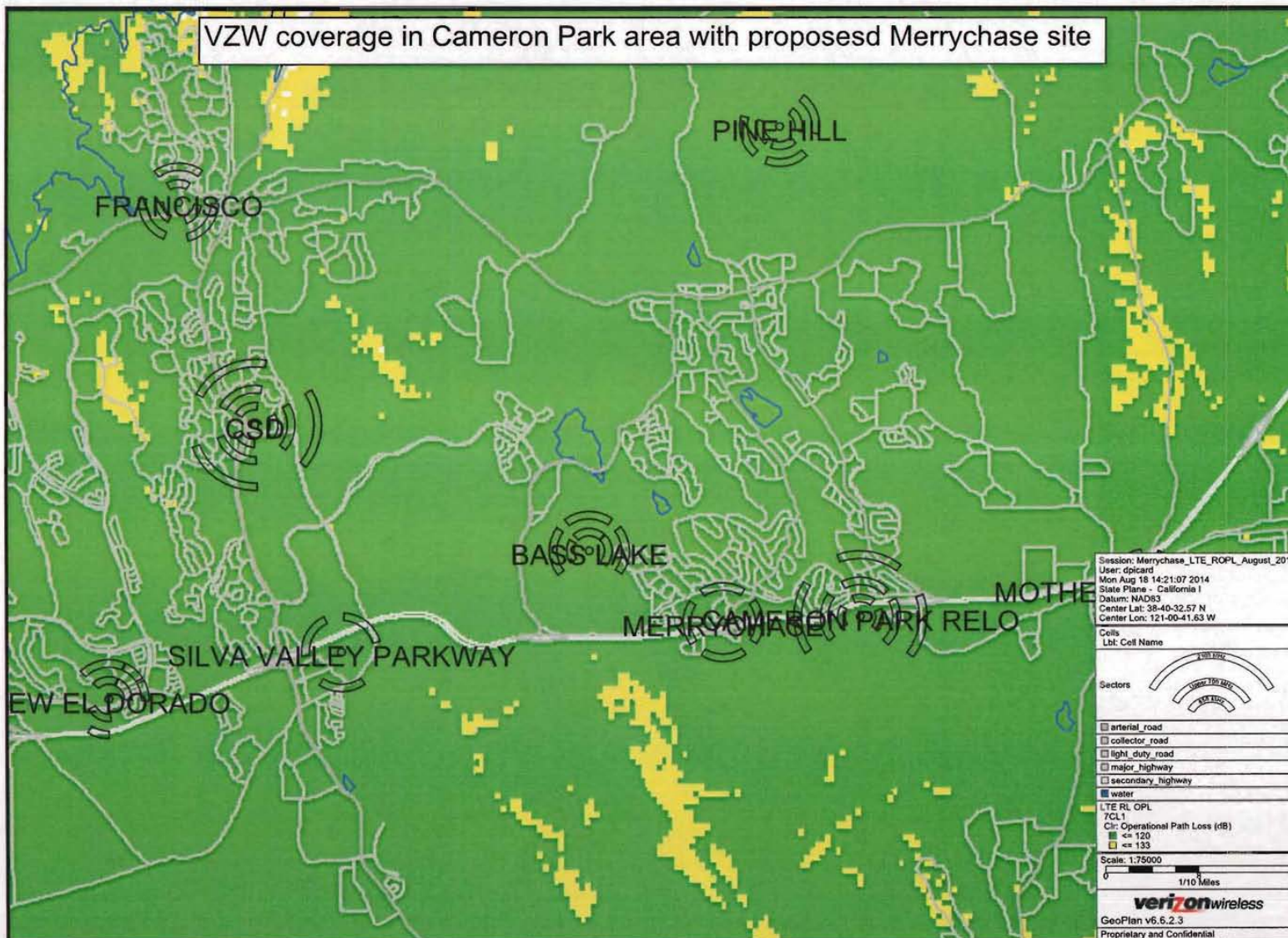


S 14-0011

SEP 5 PM 4:20

RECEIVED
FIRE DEPARTMENT

VZW coverage in Cameron Park area with proposedd Merrychase site



S 14-0011