Oakland City Planning Commission

STAFF REPORT

Case file no. PLN17374

July 11, 2018

Location:	City light pole in public right-of-way adjacent to: **1138 Drury Rd** (APN: 048H-7613-011-01) (Pole is at corner of Besito Avenue & Amito Avenue) Zoning: RH-4 Hillside Residential Zone / S-9 Fire Safety Protection Combining Zone; General Plan: Hillside Residential; Council District: 1; Submitted: 9/18/17 ***This agenda item was previously-noticed*** *(see reverse for map)*
Proposal:	To consider a request for one (1) application to install a new "small cell site" Monopole Telecommunications Facility on a City light pole by attaching 2 antennas and equipment.
Applicant / Phone Number:	Ms. Ana Gomez-Abarca / Black & Veatch (913) 458-9148
Owner:	City of Oakland
Planning Permits Required:	Major Conditional Use Permit for Monopole Telecommunications Facility in Residential Zone; Regular Design Review with additional findings for Monopole; Minor Variance for Monopole not meeting 1:1 height/setback to residential lot line
Environmental Determination:	Exempt, Section 15301 of the State CEQA Guidelines: Existing Facilities; Exempt, Section 15302: Replacement or Reconstruction; Exempt, Section 15303: New Construction of Small Structures; Section 15183: Projects Consistent with a Community Plan, General Plan or Zoning
Historic Status:	Non-historic property
Action to be Taken:	Approve with Conditions
Finality of Decision:	*Appealable to City Council*
For Further Information:	Contact case planner **Aubrey Rose AICP** at **(510) 238-2071** or by email at arose@oaklandnet.com

BACKGROUND

This one (1) application for a Monopole Telecommunications Facility, involving attachment of antennas and equipment to a City street light pole in a hillside residential neighborhood, has generated much interest since Fall 2017. This report will describe and analyze the proposal, and items of interest, including: application review (timeline, outreach, alternatives revisions, public notice); City regulatory issues (trees, views, aesthetics, variance, distance separations, emissions); other regulatory issues (State Permit Streaming Act, Federal Shot Clock); and, non-regulatory issues (property values, coverage gap, alternative site), in the 'Key Issues and Impacts / Analysis' section.

CITY OF OAKLAND PLANNING COMMISSION



Case File: PLN17374
Applicant: Ana Gomez/Black & Veatch & Extenet (for: AT&T)
Address: City Street light pole in public right-of-way (sidewalk) adjacent to: 1138 Drury Road (Close to intersection of Amito Ave.)
Zone: RH-4 / S-9

EXECUTIVE SUMMARY

The applicant requests Planning Commission approval to establish one (1) small cell wireless telecommunication facility site at a City street light pole located on the public right-of-way in hillside residential neighborhoods. The project involves attaching two (2) antennas within a shroud to the top of a pole and equipment mounted to the side of the pole, as described in the submitted plans, to enhance wireless services in those areas or accommodate forthcoming bandwidth technology upgrades.

Regular Design Review and a Major Conditional Use Permit decided by the Planning Commission, each with additional findings, are required for the installation of a new Monopole Telecommunications Facility in a residential zone. Additionally, a Minor Variance is required for a Monopole directly adjacent to a residential property line. The proposed project, antennas and associated equipment, would be similar to other facilities around the hills and City. The proposed telecommunication facility is, therefore, sited at an appropriate location and would not significantly increase negative visual impacts to adjacent properties. The project meets all the required findings for approval of this one (1) small cell site.

TELECOMMUNICATIONS BACKGROUND

Limitations on Local Government Zoning Authority under the Telecommunications Act of 1996

Section 704 of the Telecommunications Act of 1996 (TCA) provides federal standards for the siting of "Personal Wireless Services Facilities." "Personal Wireless Services" include all commercial mobile services (including personal communications services (PCS), cellular radio mobile services, and paging); unlicensed wireless services; and common carrier wireless exchange access services. Under Section 704, local zoning authority over personal wireless services is preserved such that the FCC is prevented from preempting local land use decisions; however, local government zoning decisions are still restricted by several provisions of federal law. Specifically:

- Under Section 253 of the TCA, no state or local regulation or other legal requirement can prohibit or have the effect of prohibiting the ability of any entity to provide any interstate or intrastate telecommunications service.

- Further, Section 704 of the TCA imposes limitations on what local and state governments can do. Section 704 prohibits any state and local government action which unreasonably discriminates among personal wireless providers. Local governments must ensure that its wireless ordinance does not contain requirements in the form of regulatory terms or fees which may have the "effect" of prohibiting the placement, construction, or modification of personal wireless services.

- Section 704 also preempts any local zoning regulation purporting to regulate the placement, construction and modification of personal wireless service facilities on the basis, either directly or indirectly, on the environmental effects of radio frequency emissions (RF) of such facilities, which otherwise comply with Federal Communications Commission (FCC) standards in this regard. (See 47 U.S.C. Section 332(c)(7)(B)(iv) (1996)). This means that local authorities may not regulate the siting or construction of personal wireless facilities based on RF standards that are more stringent than those promulgated by the FCC.

- Section 704 mandates that local governments act upon personal wireless service facility siting applications to place, construct, or modify a facility within a reasonable time (See 47 U.S.C.332(c)(7)(B)(ii) and FCC Shot Clock ruling setting forth "reasonable time" standards for applications deemed complete).

- Section 704 also mandates that the FCC provide technical support to local governments in order to encourage them to make property, rights-of-way, and easements under their jurisdiction available for the placement of new spectrum-based telecommunications services. This proceeding is currently at the comment stage.

For more information on the FCC's jurisdiction in this area, consult the following:
Competition & Infrastructure Policy Division (CIPD) of the Wireless Telecommunications Bureau, main division number: (202) 418-1310. https://www.fcc.gov/general/competition-infrastructure-policy-division-wireless-telecommunications-bureau

PROPERTY DESCRIPTION

The site consists of a 26'-11" tall Cobra-head style City street light pole in the public right-of-way. The pole sits at the inside of a hairpin turn bound by Drury Road, Amito Avenue and Besito Avenue (50-foot wide public rights-of-way without sidewalks). The pole is approximately 15-feet west of the property line at 1138 Drury Road.

To the east of the site, 1138 Drury Road contains 35-foot tall Acacia trees towards the pole; the home is set back approximately 225-feet from the pole;

To the north (upslope from the site), the property at 1 Drury Lane is 85-feet from the pole, and the house is 110-feet from the pole;

To the northwest, the property at 1105 Dartmouth Drive is 75-feet from the pole, and the house is 105-feet from the pole.

To the south (downslope), the property at 1106 Besito Avenue is 50-feet from the pole, and the house is 55-feet from the pole;

To the southwest, the property at 1076 Amito Drive contains a reservoir; fronting that property directly across the street from the project site is an Office of Emergency Services siren pole (site #25), measuring approximately 40 to 50-feet in height).

The surrounding area consists of single-family homes with undergrounded utilities; Claremont Canyon including some hiking trails is located to the west of the site.

PROJECT DESCRIPTION

The proposal is to establish one (1) small cell wireless telecommunications facility site at a City street light pole located in the public right-of-way in a hillside residential neighborhood. The purpose is to enhance wireless services in those areas or accommodate forthcoming bandwidth technology upgrades.

The proposal is as follows:

- Replacement of the pole with a wider pole, and installation by top-mounted two panel antennas concealed within a shroud above the street light to extend to 35-feet in height, revised from original proposal for 39'-6" in height (a reduction of 4'-6" in height to roughly match the height of adjacent trees);

- Installation of side-mounted equipment below the street light above 12-feet in height, with meter below;

- Paint the proposed antennas and associated equipment to match the pole, for appearance.

No portion of the telecommunications facility would be located at grade. The proposed antenna and associated equipment would not be accessible to the public.

SIMILAR CASES

Records show that the Planning Commission has approved numerous Monopole Telecommunications Facilities requiring Design Review, Conditional Use Permits and Variances throughout the hills and City since 2016 and prior.

GENERAL PLAN ANALYSIS

The site is located in the Hillside Residential area under the General Plan's Land Use and Transportation Element (LUTE). The intent of the area is: *"to create, maintain, and enhance neighborhood residential areas that are characterized by detached, single unit structures on hillside lots. Typical lot size range from approximately 8,000 square feet to one acre in size."* The proposed telecommunication facility would be mounted on a City street light pole within the City of Oakland public right-of-way. The proposed unmanned wireless telecommunications facility would not generate significant adverse impacts on the neighborhood.

ZONING ANALYSIS

The site is located in the RH-4 Hillside Residential and S-9 Fire Safety Protection Combining Zones. Monopole Telecommunications Facilities on a City street light pole require a Conditional Use Permit and Regular Design Review, each with additional findings for Monopoles; these permits are decided by the Planning Commission for sites located within a residential zone. Additionally, a Minor Variance is required for a Monopole directly adjacent to a residential property line. New wireless telecommunications facilities may also be subject to a Site Alternatives Analysis, Site Design Alternatives Analysis, and are always subject to a satisfactory radio-frequency (RF) emissions report. Staff analyzes the proposal in consideration of these requirements in the 'Key Issues and Impacts' section of this report. Additionally, attachment to City infrastructure requires review by the City's Real Estate Department, Public Works Agency's Electrical Division, and Information Technology Department. Given residents' and visitors' increasing reliance upon cellular service for phone and Wi-Fi, the proposal for a Monopole Telecommunications Facility that is not adjacent to a primary living space or obstructing a view conforms to this intent.

ENVIRONMENTAL DETERMINATION

The California Environmental Quality Act (CEQA) Guidelines list the projects that qualify as categorical exemptions from environmental review. The proposed project is categorically exempt from the environmental review requirements pursuant to Section 15301, minor additions and alterations to an existing City street light pole; Section 15302, replacement or reconstruction of existing utility systems and/or facilities; Section 15303, new construction or conversion of small structures, and Section 15183, projects consistent with the General Plan or Zoning.

KEY ISSUES AND IMPACTS

The proposal to establish a Monopole Telecommunications Facility is subject to the following Planning Code development standards, which are followed by staff's analysis in relation to this application:

17.128.080 Monopole Telecommunications Facilities.

1. Applicant and owner shall allow other future wireless communications companies including public and quasi-public agencies using similar technology to collocate antenna equipment and facilities on the monopole unless specific technical or other constraints, subject to independent verification, at the applicant's expense, at the discretion of the City of Oakland Zoning Manager, prohibit said collocation. Applicant and other wireless carriers shall provide a mechanism for the construction and maintenance of shared facilities and infrastructure and shall provide for equitable sharing of cost in accordance with industry standards. Construction of future facilities shall not interrupt or interfere with the continuous operation of applicant's facilities.

The proposal involves use of a City of Oakland metal street light pole that would remain available for future collocation purposes as practicable. To date, no carriers have elected to collocate on a City street light pole.

2. The equipment shelter or cabinet must be concealed from public view or made compatible with the architecture of the surrounding structures or placed underground. The shelter or cabinet must be regularly maintained.

Recommended conditions of approval require painting and texturing the antenna and equipment to match the appearance of the metal pole. There is no equipment shelter or cabinet proposed; however, minimal equipment would be closely mounted onto the side of the metal pole, rather than on the ground.

3. When a monopole is in a Residential Zone or adjacent to a residential use, it must be set back from the nearest residential lot line a distance at least equal to its total height.

This standard is not met by the proposal, and a Minor Variance is, therefore, required; the existing 26-11" pole, and therefore, the proposed 35-foot height, would not be set back from nearest residential lot line a distance at least equal to its height (approximately 15-feet). Necessary criteria for approval can be met, as under this design solution, no new pole is required in an area with fewer infrastructure options, and as new appurtenances are not close to windows and should not obstruct downtown, bay or bridge views from residences which are setback from the pole and screened by trees, as described in Attachment A to this report.

4. In all zones other than the D-CE-5, D-CE-6, IG, CIX-2, and IO Zones, the maximum height of Monopole Telecommunications Facilities and connecting appurtenances may be increased from the otherwise required maximum height to forty-five (45) feet upon the granting of a Conditional Use Permit (see Chapter 17.134 for the Conditional Use Permit Procedure).

This requirement does not apply; the subject property is not located in any of the described zoning districts. Nonetheless, the facility would not exceed the height of 35-feet.

5. In the D-CE-5, D-CE-6, CIX-2, and IO Zones, the maximum height of Monopole Telecommunications Facilities and connecting appurtenances may be increased from the otherwise required maximum height to eighty (80) feet upon the granting of a Conditional Use Permit (see Chapter 17.134 for the Conditional Use Permit Procedure).

This requirement does not apply; the subject property is not located in any of the described zoning districts. Nonetheless, the facility would not exceed the height of 35-feet.

6. In the IG Zone, the maximum height of Monopole Telecommunications Facilities and connecting appurtenances may reach a height of forty-five (45) feet. These facilities may reach a height of eighty (80) feet upon the granting of Regular Design Review approval (see Chapter 17.136 for the Design Review Procedure).

This requirement does not apply; the subject property is not located in any of the described zoning districts. Nonetheless, the facility would not exceed the height of 35-feet.

7. The applicant shall submit written documentation demonstrating that the emissions from the proposed project are within the limits set by the Federal Communications Commission.

This standard is met by the proposal; a satisfactory emissions report has been submitted and is attached to this report (Attachment C).

8. Antennas may not extend more than fifteen (15) feet above their supporting structure.

The proposed antenna would project less than fifteen feet above the City light pole.

17.128.110 Site location preferences.

New wireless facilities shall generally be located on the following properties or facilities in order of preference:

A. Co-located on an existing structure or facility with existing wireless antennas.
B. City-owned properties or other public or quasi-public facilities.
C. Existing commercial or industrial structures in Nonresidential Zones (excluding all HBX Zones and the D-CE-3 and D-CE-4 Zones).
D. Existing commercial or industrial structures in Residential Zones, HBX Zones, or the DCE-3 or D-CE-4 Zones.
E. Other Nonresidential uses in Residential Zones, HBX Zones, or the D-CE-3 or D-CE-4 Zones.
F. Residential uses in Nonresidential Zones (excluding all HBX Zones and the D-CE-3 and D-CE-4 Zones).
G. Residential uses in Residential Zones, HBX Zones, or the D-CE-3 or D-CE-4 Zones.
Facilities locating on an A, B or C ranked preference do not require a site alternatives analysis. Facilities proposing to locate on a D through G ranked preference, inclusive, must submit a site alternatives analysis as part of the required application materials. A site alternatives analysis shall, at a minimum, consist of: a. The identification of all A, B and C ranked preference sites within one thousand (1,000) feet of the proposed location. If more than three (3) sites in each preference order exist, the three such closest to the proposed location shall be required. b. Written evidence indicating why each such identified alternative cannot be used. Such evidence shall be in sufficient detail that independent verification, at the applicant's expense, could be obtained if required by the City of Oakland Zoning Manager. Evidence should indicate if the reason an alternative was rejected was technical (e.g. incorrect height, interference from existing RF sources, inability to cover required area) or for other concerns (e.g. refusal to lease, inability to provide utilities).

A site alternatives analysis is not required because the proposal conforms to 'B' as it would be located on a public facility (City light pole). Nonetheless, the applicant has submitted an analysis which is attached to this report (Attachment C).

17.128.120 Site design preferences.
New wireless facilities shall generally be designed in the following order of preference:

A. Building or structure mounted antennas completely concealed from view.
B. Building or structure mounted antennas set back from roof edge, not visible from public right-of way.
C. Building or structure mounted antennas below roof line (facade mount, pole mount) visible from public right-of-way, painted to match existing structure.
D. Building or structure mounted antennas above roof line visible from public right-of-way.
E. Monopoles.
F. Towers.
Facilities designed to meet an A or B ranked preference do not require a site design alternatives analysis. Facilities designed to meet a C through F ranked preference, inclusive, must submit a site design alternatives analysis as part of the required application materials. A site design alternatives analysis shall, at a minimum, consist of: a. Written evidence indicating why each such higher preference design alternative cannot be used. Such evidence shall be in sufficient detail that independent verification could be obtained if required by the City of Oakland Zoning Manager. Evidence should indicate if the reason an alternative was rejected was technical (e.g. incorrect height, interference from existing RF sources, inability to cover required area) or for other concerns (e.g. inability to provide utilities, construction or structural impediments).

The proposal most closely conforms to 'E' (monopole) and the applicant has submitted a satisfactory site design alternatives analysis (Attachment C).

17.128.130 Radio frequency emissions standards.
The applicant for all wireless facilities, including requests for modifications to existing facilities, shall submit the following verifications:
a. With the initial application, a RF emissions report, prepared by a licensed professional engineer or other expert, indicating that the proposed site will operate within the current acceptable thresholds as established by the Federal government or any such agency who may be subsequently authorized to establish such standards.
b. Prior to commencement of construction, a RF emissions report indicating the baseline RF emissions condition at the proposed site.
c. Prior to final building permit sign off, an RF emissions report indicating that the site is actually operating within the acceptable thresholds as established by the Federal government or any such agency who may be subsequently authorized to establish such standards.

A satisfactory report is attached to this report (Attachment C).

As mentioned, this project has generated much interest since Fall 2017. The following section discusses and analyzes items of interest relevant to that site.

Background / Submittal
The application was entered into the Planning and Building Department's permit database (Accela) on September 18, 2017 (Attachment C); this was considered by staff to start the Federal shot clock and State Permit Streamlining Act clock. The application was accompanied by relevant documents featuring: plans, photo-simulations and an alternative site analysis. A satisfactory emissions report as required was subsequently submitted. By October 18, 2017, thirty days after formal submittal, since the Planning Bureau had not issued a Completeness or Incompleteness letter, the application therefore became deemed complete under State law.

Background / Original Proposal

The item was publicly-noticed on September 29, 2017 for the October 18, 2017 Planning Commission hearing, and was then continued to a date certain of November 1, 2017; these notices were proper in terms of content. On October 16, 2017, the Tree Division approved the project's Tree Protection Permit. On October 23, 2017, public notices for the November 1, 2017 hearing were distributed; the item was subsequently pulled off the agenda again, and this time continued to a date uncertain, to allow time for further analysis to occur. Staff visited the site and spoke with concerned neighbors during the fall. The applicant responded by submitting revised plans.

Background / Revised Proposal

Revised plans dated January 8, 2018 depicted the proposed monopole height, at the top of the antennas extension, to be lowered 4'-6", from 39'-6" to 35-feet, same height as the adjacent trees. The revised project was re-noticed on March 29, 2018 for the April 18, 2018 hearing. During the 17-day public notification period, the new case planner visited the site to observe the view from the closest residence at 1 Drury Lane, by invitation. Staff viewed the site from both levels within the home situated upslope from the City pole, and did not discern a potential view impact at or near the site; that is, the proposed pole would not obstruct any views of a downtown, the bay, or a bridge, from any primary living space such as a living room or master bedrooms. Were it to be visible, it would still not obstruct views. Various documents submitted by neighbors indicating the contrary may be based on story poles of the original proposal and / or viewed from angles not noted by staff from the site visit. Furthermore, the pole is not directly adjacent to any such windows. The item was however postponed from the April 18, 2018 meeting, due to various noticing defects by staff. The item was re-scheduled, specifically to May 16, 2018, in order to accommodate a neighbor's request to align with their schedule. Staff then returned to the site to meet with additional neighbors and the applicant. Staff also communicated with neighbors and their representatives on various occasions by telephone, email, and at City offices in order to answer all questions raised to the extent possible. On April 27, 2018, the site was re-posted with updated information for the May 16, 2018 hearing. Staff has since corresponded with the applicant to enter into a "tolling agreement" related to the Federal shot clock affecting all pending applications for telecommunications facilities. The item was then rescheduled to the July 11, 2018 hearing, to accommodate the request by a neighbor's consultant, due to late provision of requested public records.

Issues

Several neighbors and a representative maintain that legal requirements for filing, review, and noticing have not been properly adhered to; that emissions are a concern; that the design would obstruct views and add clutter; that a variance is not justified; that a significant gap in coverage does not exist at the site; that property values would be adversely affected by the proposal; that if approved, a monopole at the site could be increased in height with no public notification or appeal rights under a Federal 6409 application; that the required distance separation to closest monopole is not met by the proposal; and, that superior alternative sites exist in the neighborhood – namely, at another reservoir uphill in the area.

Analysis

While staff notes neighbors' concerns, they have not raised Design Review issues that would justify denial of the project. The proposal has been redesigned for reduced visibility; utilizes an existing rather than new site; is across the street / uphill from a much taller pole; would not obstruct views; would not be close to a building or its windows; has a proper emissions report; has been handled legally except for a flawed public notice that was re-noticed for a new date; that outreach, consideration of alternatives, and a revision did occur; and, all legal requirements have been met. While the 35-foot tall monopole would be fifteen-feet from a residential property line, it would be 225-feet from the home on that property. The site therefore pre-empts use of another site either requiring a new pole where none existing and / or situating closer to a home on an alternate property.

In conclusion, staff finds that the proposed site design would not be situated on an historic or decorative pole or structure, and would be similar to many other sites installed Citywide due to citizens' increasing use of bandwidth. Staff, therefore, finds the proposal to provide an essential service with a least-intrusive possible design. Draft conditions of approval stipulate that the components be painted and textured to match the metal pole in appearance for camouflaging.

In conclusion, staff recommends approval of both locations subject to recommended Conditions of Approval.

RECOMMENDATIONS:

1. Affirm staff's environmental determination.
2. Approve the Major Conditional Use Permit, Regular Design Review and Minor Variance subject to the attached Findings and Conditions of Approval.

Prepared by:

AUBREY ROSE, AICP
Planner III

Reviewed by:

ROBERT MERKAMP
Interim Zoning Manager

Approved for forwarding to the Planning Commission:

for
ED MANASSE, Interim Deputy Director
Planning Bureau

ATTACHMENTS:

A. Findings

B. Conditions of Approval

C. PLANS / DOCUMENTS

Original Plans & Photo-Simulations dated June 29, 2017 & July 7, 2017

Revised Plans and Photo-Simulations dated January 8, 2018 & January 18, 2018

Alternate Site & Design Analysis by AT&T dated July 6, 2017

Accela record dated September 18, 2017

RF Report by Hammett & Edison dated October 2, 2017

Letter (Re: Noise) by Hammett & Edison dated November 17, 2017

RF Report, follow-up, by Hammett & Edison dated March 2 & 15, 2018

Letter by Zoning Manager to Mr. Paul McGavin dated May 8, 2018

Letter (Response) by Hammett & Edison dated May 23, 2018

Letter (Follow-up) by Zoning Manager to Mr. Paul McGavin dated May 25, 2018

Final Proof of Posting dated June 22, 2018

D. CORRESPONDENCE

Letter, Residents of the Claremont Hills Area dated October 18, 2017

Residents of the Claremont Hills area dated March 30, 2018

Ms. Sharon Collier dated April 1, 2018

Ms. Beth McCleary (416 Gravatt Dr) dated April 25, 2018

Mr. Gergely Zimanyi dated April 28, 2018

Mr. Patrick Wildi dated April 30, 2018

Mr. Kent N. Calfee (11 Drury Ln) dated May 2, 2018

Ms. KH Loughman (Gravatt Dr) Dated May 4, 2018

Mr. Harry V. Lehmann for Ms. Lisa Applegate-Zimanyi dated May 7, 2018

Mr. Paul McGavin dated May 9, 2018

Mr. Paul McGavin, 2nd letter, dated May 9, 2018

Mr. Paul McGavin, 3rd letter, dated May 9, 2013

Mr. Paul McGavin dated May 10, 2018

Ms. Lisa Applegate dated May 11, 2018

Ms. Lisa Applegate dated May 12, 2018

Mr. Paul McGavin dated May 16, 2018

D. CORRESPONDENCE, continued

Deborah, Michael and Samantha McGinn (1106 Besito Av) dated May 16, 2018

Mr. Paul McGavin dated May 18, 2018

Mr. Patrick Wildi dated May 22, 2018

Mr. Paul McGavin dated May 23, 2018

Ms. Lisa Applegate dated May 24, 2018

Mr. Paul McGavin dated May 24, 2018

Mr. Daren Chan / AT&T dated May 29, 2018

Neighbors in the Claremont Canyon Area dated June 4, 2018

Mr. Paul McGavin dated June 14, 2018

Mr. Allan C. Moore / Wendel, Rosen, Black & Dean LLP for Ms. Sharon Collier dated June 29, 2018

Mr. Romulus Portwood (25 Drury Ln) dated June 29, 2018

ATTACHMENT A: FINDINGS

This proposal meets the required findings under General Use Permit Criteria (OMC Sec. 17.134.050), Conditional Use Permit Criteria for Monopole Facilities (OMC Sec. 17.136.040 (A)), Regular Design Review Criteria for Nonresidential Facilities (OMC Sec. 17.136.050(B)), Design Review Criteria for Monopole Telecommunications Facilities (OMC Sec. 17.128.070(B)), and Variance Procedure / Findings Required (OMC Sec. 17.148.050), as set forth below. Required findings are shown in **bold** type; explanations as to why these findings can be made are in normal type.

GENERAL USE PERMIT CRITERIA (OMC SEC. 17.134.050):

A. That the location, size, design, and operating characteristics of the proposed development will be compatible with and will not adversely affect the livability or appropriate development of abutting properties and the surrounding neighborhood, with consideration to be given to harmony in scale, bulk, coverage, and density; to the availability of civic facilities and utilities; to harmful effect, if any, upon desirable neighborhood character; to the generation of traffic and the capacity of surrounding streets; and to any other relevant impact of the development.

The proposal is to establish a Monopole Telecommunications Facility in a residential zone by attaching to a City light pole. The project will enhance existing service for residents and visitors including potentially at hiking trails in the area; will not emit unsafe levels of radiation or harm trees; and will be similar to many other sites Citywide installed due to citizens' increasing use of bandwidth. The proposal has been redesigned for reduced visibility; utilizes an existing rather than new site; is across the street / uphill from a much taller pole; would not obstruct views; would not be close to a building or its windows; has a proper emissions report; has been handled legally except for a flawed public notice that was re-noticed for a new date; that outreach, consideration of alternatives, and a revision did occur; and, all legal requirements have been met. While the 35-foot tall monopole would be fifteen-feet from a residential property line, it would be 225-feet from the home on that property. The site therefore pre-empts use of another site either requiring a new pole where none existing and / or situating closer to a home on an alternate property. The proposed site design would not be situated on an historic or decorative pole or structure, and would be similar to many other sites installed Citywide due to citizens' increasing use of bandwidth. Conditions of approval stipulate that the components be painted and textured to match the metal pole in appearance for camouflaging. The proposal will provide an essential service with a least-intrusive possible design to meet needs with minimal possible impact to neighborhood character.

B. That the location, design, and site planning of the proposed development will provide a convenient and functional living, working, shopping, or civic environment, and will be as attractive as the nature of the use and its location and setting warrant.

The proposal is to establish a Monopole Telecommunications Facility in a residential zone by attaching to a City light pole. The project will enhance existing service for residents and visitors including potentially at hiking trails in the area; will not emit unsafe levels of radiation or harm trees; and will be similar to many other sites Citywide installed due to citizens' increasing use of bandwidth. The proposal will provide an essential service with a least-intrusive possible design to meet needs with minimal possible impact to neighborhood character.

C. That the proposed development will enhance the successful operation of the surrounding area in its basic community functions, or will provide an essential service to the community or region.

The proposal is to establish a Monopole Telecommunications Facility in a residential zone by attaching to a City light pole. The project will enhance existing service for residents and visitors including potentially at hiking trails in the area; will not emit unsafe levels of radiation or harm trees; and will be similar to many other sites Citywide installed due to citizens' increasing use of bandwidth. The proposal will provide an essential service with a least-intrusive possible design to meet needs with minimal possible impact to neighborhood character.

D. That the proposal conforms to all applicable design review criteria set forth in the design review procedure at Section 17.136.070.

The proposal conforms to Design Review findings which are included in that section of this attachment of Findings for Approval.

E. That the proposal conforms in all significant respects with the Oakland Comprehensive Plan and with any other applicable plan or development control map which has been adopted by the City Council.

The sites are located in the Hillside Residential area under the General Plan's Land Use and Transportation Element (LUTE). The intent of the area is: *"to create, maintain, and enhance neighborhood residential areas that are characterized by detached, single unit structures on hillside lots. Typical lot size range from approximately 8,000 square feet to one acre in size."* The proposed telecommunications facility will be mounted on a City street light pole within the City of Oakland public right-of-way. The proposed unmanned wireless telecommunications facility will not significantly adversely affect the characteristics of the neighborhood.

CONDITIONAL USE PERMIT CRITERIA FOR MONOPOLE FACILITIES (OMC SEC. 17.128.070(C))

1. The project must meet the special design review criteria listed in subsection B of this section.

The proposal conforms to Design Review findings which are included in that section of this attachment of Findings for Approval.

2. Monopoles should not be located any closer than one thousand five hundred (1,500) feet from existing monopoles unless technologically required or visually preferable.

Use of this pole precludes placement of a new pole with facility fronting an upper story residences at various viable sites in the surrounding area and is therefore "visually preferable."

3. The proposed project must not disrupt the overall community character.

The proposal is to establish a Monopole Telecommunications Facility in a residential zone by attaching to a City light pole. The project will enhance existing service for residents and visitors including potentially at hiking trails in the area; will not emit unsafe levels of radiation or harm trees; and will be similar to many other sites Citywide installed due to citizens' increasing use of bandwidth. The proposal will provide an essential service with a least-intrusive possible design to meet needs with minimal possible impact to neighborhood character. No new pole at a new site is required; appurtenances will be concealed, painted, and texturized; and the proposed height has been decreased.

4. If a major conditional use permit is required, the Planning Director or the Planning Commission may request independent expert review regarding site location, collocation and facility configuration. Any party may request that the Planning Commission consider making such request for independent expert review.
a. If there is any objection to the appointment of an independent expert engineer, the applicant must notify the Planning Director within ten (10) days of the Commission request. The Commission will hear arguments regarding the need for the independent expert and the applicant's objection to having one appointed. The Commission will rule as to whether an independent expert should be appointed.
b. Should the Commission appoint an independent expert, the Commission will direct the Planning Director to pick an expert from a panel of licensed engineers, a list of which will be compiled, updated and maintained by the Planning Department.
c. No expert on the panel will be allowed to review any materials or investigate any application without first signing an agreement under penalty of perjury that the expert will keep confidential any and all information learned during the investigation of the application. No personnel currently employed by a telecommunication company are eligible for inclusion on the list.
d. An applicant may elect to keep confidential any proprietary information during the expert's investigation. However, if an applicant does so elect to keep confidential various items of proprietary information, that applicant may not introduce the confidential proprietary information for the first time before the Commission in support of the application.
e. The Commission shall require that the independent expert prepare the report in a timely fashion so that it will be available to the public prior to any public hearing on the application.
f. Should the Commission appoint an independent expert, the expert's fees will be paid by the applicant through the application fee, imposed by the City.

A Major Conditional Use Permit is required and the Planning Director or Planning Commission may therefore independent expert review in addition to that which is attached to this report.

REGULAR DESIGN REVIEW CRITERIA FOR NON-RESIDENTIAL FACILITIES (OMC SEC. 17.136.050(B))

1. That the proposed design will create a building or set of buildings that are well related to the surrounding area in their setting, scale, bulk, height, materials, and textures:

The proposed site design consists the least intrusive design with smallest possible components painted and texturized to match the pole will be the least intrusive design. The facility will not be situated on an historic or decorative pole or structure, or require installation of a new structure at a vacant site, and will not create a view obstruction or be situated close to a home or window.

2. That the proposed design will protect, preserve, or enhance desirable neighborhood characteristics;

The proposed site design consists the least intrusive design with smallest possible components painted and texturized to match the pole will be the least intrusive design. The facility will not be situated on an historic or decorative pole or structure, or require installation of a new structure at a vacant site, and will not create a view obstruction or be situated close to a home or window.

3. The project will provide a necessary function without negatively impacting surrounding opens pace and hillside residential properties.

The proposal will enhance essential services in a hillside residential neighborhood.

4. That the proposed design will be sensitive to the topography and landscape.

The proposal will not be ground mounted.

5. That, if situated on a hill, the design and massing of the proposed building relates to the grade of the hill.

This finding is inapplicable because the site is level.

6. That the proposed design conforms in all significant respects with the Oakland General Plan and with any applicable design review guidelines or criteria, district plan, or development control map which have been adopted by the Planning Commission or City Council.

This finding is met by this proposal as described in a previous section of this attachment.

DESIGN REVIEW CRITERIA FOR MONOPOLE TELECOMMUNICATIONS FACILITIES (OMC SEC. 17.128.070(B))

1. Collocation is to be encouraged when it will decrease visual impact and collocation is to be discouraged when it will increase negative visual impact.

The project does not involve collocation as it involves the establishment of a new telecommunications facility; however, the project should not preclude any future proposals for location at the site.

2. Monopoles should not be sited to create visual clutter or negatively affect specific views.

The Monopole Facility is sited on infrastructure where it will not create clutter or negatively affect specific views. The view of the City street light from the adjacent story residence should remain of the pole below the antenna and above the equipment.

3. Monopoles shall be screened from the public view wherever possible.

The Monopole Facility will be camouflaged and texturized to match the appearance of the existing light pole that will host it. The City street light is not located adjacent to a residential facility

4. The equipment shelter or cabinet must be concealed from public view or made compatible with the architecture of the surrounding structures or placed underground. The shelter or cabinet must be regularly maintained.

Recommended conditions of approval require painting and texturing the antenna and equipment to match the appearance of the metal pole. There is no equipment shelter or cabinet proposed, however minimal equipment will be closely mounted on the side of the metal pole.

5. Site location and development shall preserve the preexisting character of the surrounding buildings and land uses and the zone district as much as possible. Wireless communication towers shall be integrated through location and design to blend in with the existing characteristics of the site to the extent practical. Existing on-site vegetation shall be preserved or improved, and disturbance of the existing topography shall be minimized, unless such disturbance would result in less visual impact of the site to the surrounding area.

The proposed Monopole Facility will be placed on a non-decorative City light pole screened by trees and not near a window or causing a view obstruction and thus does not cause a new pole to be installed at a new site. A Tree Protection Permit has been approved. This enables the preservation of character in the area and will not pose a negative visual impact as the proposal will be camouflaged to match the pole.

6. That all reasonable means of reducing public access to the antennas and equipment has been made, including, but not limited to, placement in or on buildings or structures, fencing, anti-climbing measures and anti-tampering devices.

The minimal clearance to the facility will measure 12-feet in height.

VARIANCE PROCEDURE/FINDINGS REQUIRED (OMC SEC. 17.148.050)

1. That strict compliance with the specified regulation would result in practical difficulty or unnecessary hardship inconsistent with the purposes of the zoning regulations, due to unique physical or topographic circumstances or conditions of design; or, as an alternative in the case of a minor variance, that such strict compliance would preclude an effective design solution improving livability, operational efficiency, or appearance.

The project requires a Minor Variance: the proposal does not meet the following requirement

> *When a monopole is in a Residential Zone or adjacent to a residential use, it must be set back from the nearest residential lot line a distance at least equal to its total height. (OMC Sec. 17.128.0809(A)(3))*

The 26'-11" tall pole will be extended to 35-feet in height by attachment of an antenna at top. Strict compliance will preclude an effective design solution improving livability, operational efficiency, or appearance. The intent of the ordinance is to avoid the installation of a new structure looming adjacent to a home, and to avoid view obstructions and visual clutter. A code conforming alternative in this case might consist of a new, shorter structure to include the attached telecommunications facility. In this case, the pole is screened by trees and set back from structures, and are existing sites and in one case adjacent to a taller pole than that which is proposed. The proposal will use a facility to enhance essential services with the least-intrusive design.

2. That strict compliance with the regulations would deprive the applicant of privileges enjoyed by owners of similarly zoned property; or, as an alternative in the case of a minor variance, that such strict compliance would preclude an effective design solution fulfilling the basic intent of the applicable regulation.

Strict compliance will preclude an effective design solution fulfilling the basic intent of the applicable regulation. The intent of the ordinance is to avoid the installation of a new structure looming adjacent to a home, and to avoid view obstructions and visual clutter. A code conforming alternative in this case might consist of a new, shorter structure to include the attached telecommunications facility. In this case, the pole is screened by trees and set back from structures, and are existing sites and in one case adjacent to a taller pole than that which is proposed. The proposal will use a facility to enhance essential services with the least-intrusive design.

3. That the variance, if granted, will not adversely affect the character, livability, or appropriate development of abutting properties or the surrounding area, and will not be detrimental to the public welfare or contrary to adopted plans or development policy.

The pole is screened by trees and set back from structures, and are existing sites and in one case adjacent to a taller pole than that which is proposed. The proposal will use a facility to enhance essential services with the least-intrusive design.

4. That the variance will not constitute a grant of special privilege inconsistent with limitations imposed on similarly zoned properties or inconsistent with the purposes of the zoning regulations.

Other telecommunications facilities throughout the hills and City have been granted a similar variance.

5. That the elements of the proposal requiring the variance (e.g., elements such as buildings, walls, fences, driveways, garages and carports, etc.) conform with the regular design review criteria set forth in the design review procedure at Section 17.136.050

This finding is met by this proposal as described in a previous section of this attachment.

6. That the proposal conforms in all significant respects with the Oakland General Plan and with any other applicable guidelines or criteria, district plan, or development control map which have been adopted by the Planning Commission or City Council.

This finding is met by this proposal as described in a previous section of this attachment.

7. For proposals involving one (1) or two (2) residential dwelling units on a lot: That, if the variance would relax a regulation governing maximum height, minimum yards, maximum lot coverage or maximum floor area ratio, the proposal also conforms with at least one of the following additional criteria:
a. The proposal when viewed in its entirety will not adversely impact abutting residences to the side, rear, or directly across the street with respect to solar access, view blockage and privacy to a degree greater than that which would be possible if the residence were built according to the applicable regulation and, for height variances, the proposal provides detailing, articulation or other design treatments that mitigate any bulk created by the additional height; or
b. Over sixty percent (60%) of the lots in the immediate vicinity are already developed and the proposal does not exceed the corresponding as-built condition on these lots and, for height variances, the proposal provides detailing, articulation or other design treatments that mitigate any bulk created by the additional height. The immediate context shall consist of the five (5) closest lots on each side of the project site plus the ten (10) closest lots on the opposite side of the street (see illustration I-4b); however, the Director of City Planning may make an alternative determination of immediate context based on specific site conditions. Such determination shall be in writing and included as part of any decision on any variance.

This finding is non-applicable to the project; the proposal does not involve a house or duplex.

Attachment B: Conditions of Approval

1. Approved Use

The project shall be constructed and operated in accordance with the authorized use as described in the approved application materials, **staff report** and the approved plans and revised plans **dated November 13, 2017 and January 8, 2018 and submitted or resubmitted September 18, 2017 and January 8, 2018** as amended by the following conditions of approval and mitigation measures, if applicable ("Conditions of Approval" or "Conditions").

One (1) approval to install new "small cell site" Monopole Telecommunications Facilities on a City street light pole in public right-of-way by attaching two (2) antennas within a shroud to the top of the pole and equipment mounted to the side of the pole adjacent to:

1) Case no. PLN17374; 1138 Drury Rd (APN: 048H-7613-011-01)

2. Effective Date, Expiration, Extensions and Extinguishment

This Approval shall become effective immediately, unless the Approval is appealable, in which case the Approval shall become effective in ten calendar days unless an appeal is filed. Unless a different termination date is prescribed, this Approval shall expire **two calendar years** from the Approval date, or from the date of the final decision in the event of an appeal, unless within such period all necessary permits for construction or alteration have been issued, or the authorized activities have commenced in the case of a permit not involving construction or alteration. Upon written request and payment of appropriate fees submitted no later than the expiration date of this Approval, the Director of City Planning or designee may grant a one-year extension of this date, with additional extensions subject to approval by the approving body. Expiration of any necessary building permit or other construction-related permit for this project may invalidate this Approval if said Approval has also expired. If litigation is filed challenging this Approval, or its implementation, then the time period stated above for obtaining necessary permits for construction or alteration and/or commencement of authorized activities is automatically extended for the duration of the litigation.

3. Compliance with Other Requirements

The project applicant shall comply with all other applicable federal, state, regional, and local laws/codes, requirements, regulations, and guidelines, including but not limited to those imposed by the City's Bureau of Building, Fire Marshal, and Public Works Department. Compliance with other applicable requirements may require changes to the approved use and/or plans. These changes shall be processed in accordance with the procedures contained in Condition #4.

4. Minor and Major Changes

a. Minor changes to the approved project, plans, Conditions, facilities, or use may be approved administratively by the Director of City Planning.

b. Major changes to the approved project, plans, Conditions, facilities, or use shall be reviewed by the Director of City Planning to determine whether such changes require submittal and approval of a revision to the Approval by the original approving body or a new independent permit/approval. Major revisions shall be reviewed in accordance with the procedures required for the original permit/approval. A new independent permit/approval shall be reviewed in accordance with the procedures required for the new permit/approval.

5. Compliance with Conditions of Approval

a. The project applicant and property owner, including successors, (collectively referred to hereafter as the "project applicant" or "applicant") shall be responsible for compliance with all the Conditions of Approval and any recommendations contained in any submitted and approved technical report at his/her sole cost and expense, subject to review and approval by the City of Oakland.

b. The City of Oakland reserves the right at any time during construction to require certification by a licensed professional at the project applicant's expense that the as-built project conforms to all applicable requirements, including but not limited to, approved maximum heights and minimum setbacks. Failure to construct the project in accordance with the Approval may result in remedial reconstruction, permit revocation, permit modification, stop work, permit suspension, or other corrective action.

c. Violation of any term, Condition, or project description relating to the Approval is unlawful, prohibited, and a violation of the Oakland Municipal Code. The City of Oakland reserves the right to initiate civil and/or criminal enforcement and/or abatement proceedings, or after notice and public hearing, to revoke the Approval or alter these Conditions if it is found that there is violation of any of the Conditions or the provisions of the Planning Code or Municipal Code, or the project operates as or causes a public nuisance. This provision is not intended to, nor does it, limit in any manner whatsoever the ability of the City to take appropriate enforcement actions. The project applicant shall be responsible for paying fees in accordance with the City's Master Fee Schedule for inspections conducted by the City or a City-designated third-party to investigate alleged violations of the Approval or Conditions.

6. Signed Copy of the Approval/Conditions

A copy of the Approval letter and Conditions shall be signed by the project applicant, attached to each set of permit plans submitted to the appropriate City agency for the project, and made available for review at the project job site at all times.

7. Blight/Nuisances

The project site shall be kept in a blight/nuisance-free condition. Any existing blight or nuisance shall be abated within 60 days of approval, unless an earlier date is specified elsewhere.

8. Indemnification

a. To the maximum extent permitted by law, the project applicant shall defend (with counsel acceptable to the City), indemnify, and hold harmless the City of Oakland, the Oakland City Council, the Oakland Redevelopment Successor Agency, the Oakland City Planning Commission, and their respective agents, officers, employees, and volunteers (hereafter collectively called "City") from any liability, damages, claim, judgment, loss (direct or indirect), action, causes of action, or proceeding (including legal costs, attorneys' fees, expert witness or consultant fees, City Attorney or staff time, expenses or costs) (collectively called "Action") against the City to attack, set aside, void or annul this Approval or implementation of this Approval. The City may elect, in its sole discretion, to participate in the defense of said Action and the project applicant shall reimburse the City for its reasonable legal costs and attorneys' fees.

b. Within ten (10) calendar days of the filing of any Action as specified in subsection (a) above, the project applicant shall execute a Joint Defense Letter of Agreement with the City, acceptable to the Office of the City Attorney, which memorializes the above obligations. These obligations and the Joint Defense Letter of Agreement shall survive termination, extinguishment, or invalidation of the Approval. Failure to timely execute the Letter of Agreement does not relieve the project applicant of any of the obligations contained in this Condition or other requirements or Conditions of Approval that may be imposed by the City.

9. Severability

The Approval would not have been granted but for the applicability and validity of each and every one of the specified Conditions, and if one or more of such Conditions is found to be invalid by a court of competent jurisdiction this Approval would not have been granted without requiring other valid Conditions consistent with achieving the same purpose and intent of such Approval.

10. Job Site Plans

Ongoing throughout demolition, grading, and/or construction

At least one (1) copy of the stamped approved plans, along with the Approval Letter and Conditions of Approval, shall be available for review at the job site at all times.

11. Special Inspector/Inspections, Independent Technical Review, Project Coordination and Monitoring

The project applicant may be required to cover the full costs of independent third-party technical review and City monitoring and inspection, including without limitation, special inspector(s)/inspection(s) during times of extensive or specialized plan-check review or construction, and inspections of potential violations of the Conditions of Approval. The project applicant shall establish a deposit with the Bureau of Building, if directed by the Building Official, Director of City Planning, or designee, prior to the issuance of a construction-related permit and on an ongoing as-needed basis.

12. Public Improvements

The project applicant shall obtain all necessary permits/approvals, such as encroachment permits, obstruction permits, curb/gutter/sidewalk permits, and public improvement ("p-job") permits from the City for work in the public right-of-way, including but not limited to, streets, curbs, gutters, sidewalks, utilities, and fire hydrants. Prior to any work in the public right-of-way, the applicant shall submit plans for review and approval by the Bureau of Planning, the Bureau of Building, and other City departments as required. Public improvements shall be designed and installed to the satisfaction of the City.

13. Construction Days/Hours

Requirement: The project applicant shall comply with the following restrictions concerning construction days and hours:

a. Construction activities are limited to between 7:00 a.m. and 7:00 p.m. Monday through Friday, except that pier drilling and/or other extreme noise generating activities greater than 90 dBA shall be limited to between 8:00 a.m. and 4:00 p.m.

b. Construction activities are limited to between 9:00 a.m. and 5:00 p.m. on Saturday. In residential zones and within 300 feet of a residential zone, construction activities are allowed from 9:00 a.m. to 5:00 p.m. only within the interior of the building with the doors and windows closed. No pier drilling or other extreme noise generating activities greater than 90 dBA are allowed on Saturday.

c. No construction is allowed on Sunday or federal holidays.

Construction activities include, but are not limited to, truck idling, moving equipment (including trucks, elevators, etc.) or materials, deliveries, and construction meetings held on-site in a non-enclosed area.

Any construction activity proposed outside of the above days and hours for special activities (such as concrete pouring which may require more continuous amounts of time) shall be evaluated on a case-by-case basis by the City, with criteria including the urgency/emergency nature of the work, the proximity of residential or other sensitive uses, and a consideration of nearby residents'/occupants' preferences. The project applicant shall notify property owners and occupants located within 300 feet at least 14 calendar days prior to construction activity proposed outside of the above days/hours. When submitting a request to the City to allow construction activity outside of the above days/hours, the project applicant shall submit information concerning the type and duration of proposed construction activity and the draft public notice for City review and approval prior to distribution of the public notice.

When Required: During construction

Initial Approval: N/A

Monitoring/Inspection: Bureau of Building

PROJECT-SPECIFIC CONDITIONS

14. Emissions Report

Requirement: A RF emissions report shall be submitted to the Planning Bureau indicating that the site is actually operating within the acceptable thresholds as established by the Federal government or any such agency who may be subsequently authorized to establish such standards.

Requirement: Prior to a final inspection

When Required: Prior to final building permit inspection sign-off

Initial Approval: N/A

Monitoring/Inspection: N/A

15. Camouflage

Requirement: The antenna and equipment shall be painted, texturized, and maintained the same color and finish of the City light pole.

When Required: Prior to a final inspection

Initial Approval: N/A

Monitoring/Inspection: Bureau of Building

16. Operational

Requirement: Noise levels from the activity, property, or any mechanical equipment on site shall comply with the performance standards of Section 17.120 of the Oakland Planning Code and Section 8.18 of the Oakland Municipal Code. If noise levels exceed these standards, the activity causing the noise shall be abated until appropriate noise reduction measures have been installed and compliance verified by the Planning and Zoning Division and Building Services.

When Required: Ongoing

Initial Approval: N/A

Monitoring/Inspection: Bureau of Building

17. Graffiti Control

Requirement:

a. During construction and operation of the project, the project applicant shall incorporate best management practices reasonably related to the control of graffiti and/or the mitigation of the impacts of graffiti. Such best management practices may include, without limitation:

b. The project applicant shall remove graffiti by appropriate means within seventy-two (72) hours. Appropriate means include the following:

i. Removal through scrubbing, washing, sanding, and/or scraping (or similar method) without damaging the surface and without discharging wash water or cleaning detergents into the City storm drain system.

ii. For galvanized poles, covering with new paint to match the color of the surrounding surface.

iii. Replace pole numbers.

When Required: Ongoing

Initial Approval: N/A

Monitoring/Inspection: Bureau of Building

Attachment C

Original Plans & Photo-Sims

OAKHILLS AT&T SOUTH NETWORK

OAKS-038C

(PROW) BESITO AND DRURY ROAD
OAKLAND, CA 94705

USA NORTH
OF CENTRAL/NORTHERN CALIFORNIA AND NEVADA
1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG

CODE COMPLIANCE

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

1. 2016 CALIFORNIA ADMINISTRATIVE CODE
2. 2016 CALIFORNIA BUILDING CODE
3. 2016 CALIFORNIA ELECTRIC CODE
4. 2016 CALIFORNIA MECHANICAL CODE
5. 2016 CALIFORNIA PLUMBING CODE
6. 2016 CALIFORNIA FIRE CODE
7. ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE
8. CITY/COUNTY ORDINANCES

HANDICAP REQUIREMENTS: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA ADMINISTRATIVE STATE CODE PART 2, TITLE 24, CHAPTER 11B, SECTION 11038.

PROJECT DESCRIPTION

THIS IS AN UNMANNED TELECOMMUNICATIONS FACILITY FOR AT&T WIRELESS CONSISTING OF THE INSTALLATION OF THE FOLLOWING:

1. NEW ONE (1) LIGHTPOLE (DESIGN BY OTHERS) TO REPLACE EXISTING LIGHTPOLE. MATCH EXISTING LIGHTING FIXTURE.
2. NEW TWO (2) PANEL ANTENNAS MOUNTED ON NEW LIGHTPOLE.
3. NEW ONE (1) EQUIPMENT SHROUD MOUNTED TO NEW LIGHTPOLE.
4. NEW ONE (1) SAFETY SWITCH MOUNTED TO NEW LIGHTPOLE.
5. NEW ONE (1) METER CAN MOUNTED TO NEW LIGHTPOLE.

DRIVING DIRECTIONS

FROM AT&T OFFICE - SAN RAMON, CA

1. START OUT GOING SOUTHEAST ON BISHOP DR TOWARD SUNSET DR.
2. TURN RIGHT ONTO SUNSET DRIVE.
3. TAKE THE FIRST RIGHT ONTO BOLLINGER CANYON RD.
4. MERGE ONTO I-680 N TOWARTD SACRAMENTO.
5. MERGE ONTO CA-24 VIA EXIT 45A TOWARD OAKLAND/LAFAYETTE.
6. TAKE THE FISH RANCH ROAD EXIT, EXIT 7A.
7. TURN RIGHT ONTO FISH RANCH RD.
8. FISH RANCH ROAD BECOMES CLAREMONT AVE.
9. TURN SLIGHT LEFT ONTO ALVARADO RD.
10. TURN RIGHT TO STAY ON ALVARADO RD.
11. STAY STRAIGHT TO GO ONTO AMITO DR.
12. TURN SHARP LEFT ONTO DRURY ROAD.
13. ARRIVE AT SITE UPON REACHING BESITO ROAD.

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWING:

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

PROJECT TEAM

ENGINEER:
PDC CORPORATION
4555 LAS POSITAS RD,
BLDG. A, STE. B
LIVERMORE, CA 94551
ENGR. OF RECORD: SOHAIL A. SHAH, P.E.
CONTACT: PAULO PUELIU
OFFICE: (925) 606-5868
MOBILE: (510) 385-5541
EMAIL: paulo@pdccorp.net

APPLICANT/LESSEE:
AT&T
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583
CONTACT: VANI MULLER
PHONE: (510) 258-1703

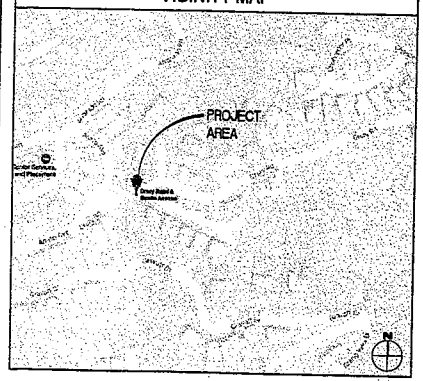
APPLICANT AGENT:
CHARLES LINDSAY
EXTENET SYSTEMS (CA) LLC
2000 CROW CANYON PLACE, SUITE 210
SAN RAMON, CA 94583
PHONE: (510) 910-7787
EMAIL: clindsay@extenentsystems.com

CONSTRUCTION MANAGER:
EXTENET SYSTEMS (CA) LLC
CONTACT: KEN BOOKER
PHONE: (510) 406-0829

PROJECT INFORMATION

SITE ADDRESS:	BESITO AND DRURY ROAD OAKLAND, CA 94705
APN:	PUBLIC RIGHT-OF-WAY
PROPERTY OWNER:	PUBLIC RIGHT-OF-WAY BESITO AND DRURY ROAD OAKLAND, CA 94705
LATITUDE:	37° 51' 40.50" N (NAD 83)
LONGITUDE:	122° 13' 55.30" W (NAD 83)
GROUND ELEVATION:	±1003.8' AMSL (AT BASE OF STEEL LIGHT POLE)
HEIGHT OF STRUCTURE:	±25' AGL (AT TOP OF STREET LIGHT POLE)
TYPE OF CONSTRUCTION:	ATTACHMENTS TO A NEW STEEL POLE
JURISDICTION:	CITY OF OAKLAND
TELEPHONE:	AT&T
POWER:	PG&E

VICINITY MAP



SHEET INDEX

SHEET	DESCRIPTION	REV.
T-1	TITLE SHEET, SITE INFORMATION AND VICINITY MAP	0
T-2	GENERAL NOTES, LEGEND AND ABBREVIATIONS	0
T-3	POWER AND RF SAFETY PROTOCOLS	0
C-1	EXISTING SITE CONDITIONS	
A-1	SITE PLAN	0
A-2	SOUTHEAST ELEVATIONS & DETAILS	0
A-3	EQUIPMENT AND CONSTRUCTION DETAILS	0
A-4	RF SIGNAGE	0

APPROVALS

LANDLORD: _____
CONSTRUCTION MANAGER: _____
RF ENGINEER: _____
SITE ACQUISITION MANAGER: _____
ZONING MANAGER: _____
UTILITY COORDINATOR: _____
PROGRAM REGIONAL MANAGER: _____
NETWORK OPERATIONS MANAGER: _____

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:
OAKHILLS AT&T SOUTH NETWORK OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:
06/29/17

ISSUED FOR:
100% CONSTRUCTION DRAWING

REV.	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RSD

PLANS PREPARED BY:
PDC CORPORATION
4535 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:
extenet YOUR NETWORK. EVERYWHERE.
3030 WARRENVILLE RD, SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:
REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA
DATE SIGNED: 06/29/17

SHEET TITLE:
TITLE SHEET, SITE INFORMATION AND VICINITY MAP

SHEET NUMBER:
T-1

LEGEND

1

- NEW ANTENNA
- EXISTING ANTENNA
- GROUND ROD
- GROUND BUS BAR
- MECHANICAL GRND. CONN.
- CADWELD
- GROUND ACCESS WELL
- ELECTRIC BOX
- TELEPHONE BOX
- LIGHT POLE
- FND. MONUMENT
- SPOT ELEVATION
- SET POINT
- REVISION
- GRID REFERENCE
- DETAIL REFERENCE
- ELEVATION REFERENCE
- SECTION REFERENCE
- GROUT OR PLASTER
- (E) BRICK
- (E) MASONRY
- CONCRETE
- EARTH
- GRAVEL
- PLYWOOD
- SAND
- WOOD CONT.
- WOOD BLOCKING
- STEEL
- CENTERLINE
- PROPERTY/LEASE LINE
- MATCH LINE
- WORK POINT
- GROUND CONDUCTOR
- T — TELEPHONE CONDUIT
- E — ELECTRICAL CONDUIT
- A — COAXIAL CABLE
- OU — OVERHEAD SERVICE CONDUCTORS
- X — CHAIN LINK FENCING

ABBREVIATIONS

2

A.B.	ANCHOR BOLT
ABV.	ABOVE
ACCA	ANTENNA CABLE COVER ASSEMBLY
ADD'L	ADDITIONAL
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
ALUM.	ALUMINUM
ALT.	ALTERNATE
ANT.	ANTENNA
APPRX.	APPROXIMATE(LY)
ARCH.	ARCHITECT(URAL)
AWG.	AMERICAN WIRE GAUGE
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
B.N.	BOUNDARY NAILING
BTCW.	BARE TINNED COPPER WIRE
B.O.F.	BOTTOM OF FOOTING
B/U	BACK-UP CABINET
CAB.	CABINET
CANT.	CANTILEVER(ED)
C.I.P.	CAST IN PLACE
CLG.	CEILING
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION(OR)
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
d	PENNY (NAILS)
DBL.	DOUBLE
DEPT.	DEPARTMENT
D.F.	DOUGLAS FIR
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DWG.	DRAWING(S)
DWL.	DOWEL(S)
EA.	EACH
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMT.	ELECTRICAL METALLIC TUBING
E.N.	EDGE NAIL
ENG.	ENGINEER
EQ.	EQUAL
EXP.	EXPANSION
EXST.(E)	EXISTING
EXT.	EXTERIOR
FAB.	FABRICATION(OR)
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
FIN.	FINISH(ED)
FLR.	FLOOR
FDN.	FOUNDATION
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
F.S.	FINISH SURFACE
FT.(')	FOOT (FEET)
FTG.	FOOTING
G.	GROWTH (CABINET)
GA.	GAUGE
GI.	GALVANIZE(D)
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER
GLB. (GLU-LAM)	GLUE LAMINATED BEAM
GPS	GLOBAL POSITIONING SYSTEM
GRND.	GROUND
HDR.	HEADER
HGR.	HANGER
HT.	HEIGHT
ICGB.	ISOLATED COPPER GROUND BUS
IN.(")	INCH(ES)
INT.	INTERIOR
LB.(#)	POUND(S)
L.B.	LAG BOLTS
L.F.	LINEAR FEET (FOOT)
L.	LONG(ITUDINAL)
MAS.	MASONRY
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTL.	METAL
(N)	NEW
NO.(#)	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG.	OPENING
P/C	PRECAST CONCRETE
PCS	PERSONAL COMMUNICATION SERVICES
PLY.	PLYWOOD
PPC	POWER PROTECTION CABINET
PRC	PRIMARY RADIO CABINET
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
PWR.	POWER (CABINET)
QTY.	QUANTITY
RAD.(R)	RADIUS
REF.	REFERENCE
REINF.	REINFORCEMENT(ING)
REQ'D.	REQUIRED
RGS.	RIGID GALVANIZED STEEL
SCH.	SCHEDULE
SHT.	SHEET
SIM.	SIMILAR
SPEC.	SPECIFICATION(S)
SQ.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUC.	STRUCTURAL
TEMP.	TEMPORARY
THK.	THICK(NESS)
T.N.	TOE NAIL
T.O.A.	TOP OF ANTENNA
T.O.C.	TOP OF CURB
T.O.F.	TOP OF FOUNDATION
T.O.P.	TOP OF PLATE (PARAPET)
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.G.	UNDER GROUND
U.L.	UNDERWRITERS LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
W.	WIDE(WIDTH)
W/	WITH
WD.	WOOD
W.P.	WEATHERPROOF
WT.	WEIGHT
℄	CENTERLINE
℄	PLATE, PROPERTY LINE

LOADING AND ANTENNA CABLE SCHEDULES

3

WIND LOADING INFORMATION	
ANTENNA/WOOD ARM AREA TOTAL	1.83 SQ FT.
TOP GRADE	37'-0"
BOTTOM GRADE	35'-0"
METER/BREAKER AREA TOTAL	1.75 SQ FT.
TOP GRADE	20'-0"
BOTTOM GRADE	12'-0"
BATTERY BACKUP AREA TOTAL	IN SHROUD
TOP GRADE	-
BOTTOM GRADE	-
PRISM DECK AREA TOTAL	IN SHROUD
TOP GRADE	-
BOTTOM GRADE	-
PRISM DECK (FUT.) AREA TOTAL	-
TOP GRADE	-
BOTTOM GRADE	-
COAX RISER SIZE	INTERNAL
COAX RISE TOP GRADE	INTERNAL
COAX RISER BTM GRADE	INTERNAL
PWR RISER SIZE	-
PWR RISER TOP GRADE	-
PWR RISER BTM GRADE	-

ANTENNA AND CABLE SCHEDULE					
ANTENNA SECTOR	AZIMUTH	ANTENNA MAKE/MODEL	COAXIAL LENGTH	CABLES PER SECTOR	CABLE SIZE
ALPHA	0°	KATHREIN 840-10525	27'/3'	4/6	1/2"
BETA	140°	KATHREIN 840-10525			
GAMMA					

GENERAL CONSTRUCTION NOTES

4

GENERAL CONSTRUCTION NOTES:

1. THE FACILITY IS AN UNOCCUPIED DIGITAL TELECOMMUNICATION FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION ENGINEER AND ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
6. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
7. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE IMPLEMENTATION ENGINEER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.
8. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
9. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
10. NOT USED.
11. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
12. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING (SHEET LS1), SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ENGINEER.
13. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, VEGETATION, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF AT&T.
14. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.
15. PENETRATIONS OF ROOF MEMBRANES SHALL BE PATCHED/FLASHED AND MADE WATERTIGHT USING LIKE MATERIALS IN ACCORDANCE WITH NRCA ROOFING STANDARDS AND DETAILS. CONTRACTOR SHALL OBTAIN DETAILING CLARIFICATION FOR SITE-SPECIFIC CONDITIONS FROM ENGINEER, IF NECESSARY, BEFORE PROCEEDING.
16. BEFORE ORDERING AND/OR BEFORE FABRICATING/CONSTRUCTING/INSTALLING ANY ITEMS, VERIFY THE TYPES AND QUANTITIES.
17. CONTRACTOR SHALL PROVIDE SITE FOREMAN WITH A CELLULAR PHONE AND PAGER, AND KEEP SAME ON SITE WHENEVER PERSONNEL ARE ON SITE.
18. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE SITE AND NOTIFY THE PROJECT MANAGER OF ANY DISCREPANCES BEFORE STARTING ANY WORK.
19. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
20. CONTRACTOR TO PROVIDE COMPLETE SET OF AS BUILT DRAWINGS WITHIN 10 WORKING DAYS OF PROJECT COMPLETION.
21. CONTRACTOR IS TO EXCAVATE 6" BELOW EXISTING GRADE AND SPRAY WITH WEED CONTROL. REPLACE WITH CLASS II AGGREGATE BASE AND CRUSHED WASHED ROCK. AS SPECIFIED ON SITE PLAN.
22. CONTRACTOR SHALL PROVIDE TOILET FACILITY DURING ALL PHASES OF CONSTRUCTION.
23. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR THE FABRICATION OF MATERIALS TO BE INSTALLED AT THE SITE, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS INCLUDING AS-BUILT DIMENSIONS OF EXISTING STRUCTURES OR STRUCTURAL ELEMENTS HAVING A BEARING ON THE SCOPE OF THE WORK TO BE PERFORMED. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE DIMENSIONS OR CONDITIONS FOUND TO BE EXISTING IN THE FIELD, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OBTAIN DESIGN RESOLUTION PRIOR TO PROCEEDING WITH THE PORTION(S) OF THE WORK AFFECTED. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO SO NOTIFY THE ENGINEER AND OBTAIN RESOLUTION BEFORE PROCEEDING.

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T
SOUTH NETWORK
OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:

06/29/17

ISSUED FOR:

100% CONSTRUCTION DRAWING

REV.	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RED

PLANS PREPARED BY:

PDS CORPORATION
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:

3030 WARRENVILLE RD, SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:

REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA

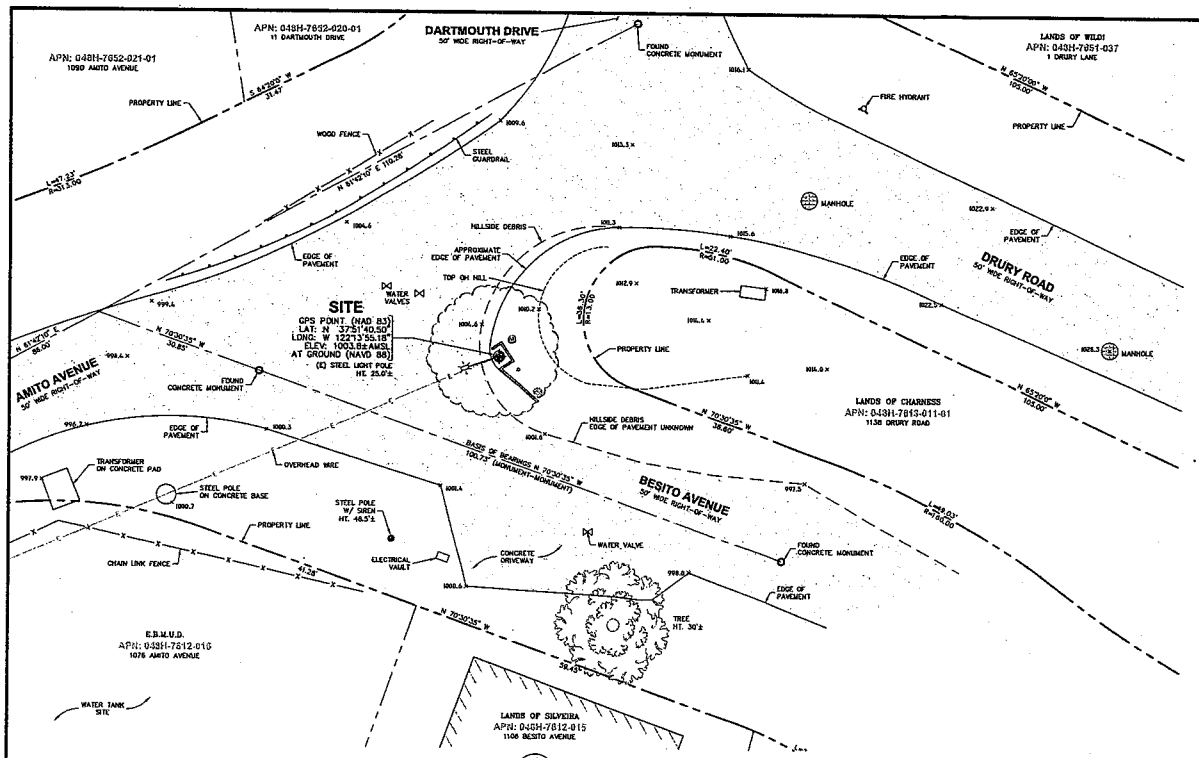
DATE SIGNED: 06/29/17

SHEET TITLE:

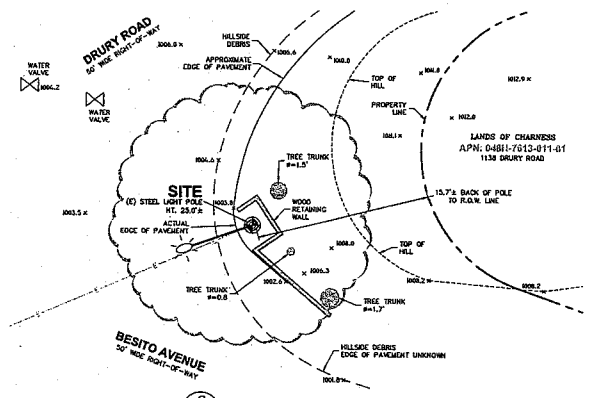
GENERAL NOTES, LEGEND AND ABBREVIATIONS

SHEET NUMBER:

T-2



1 / C1 SITE PLAN
SCALE: 1" = 10'

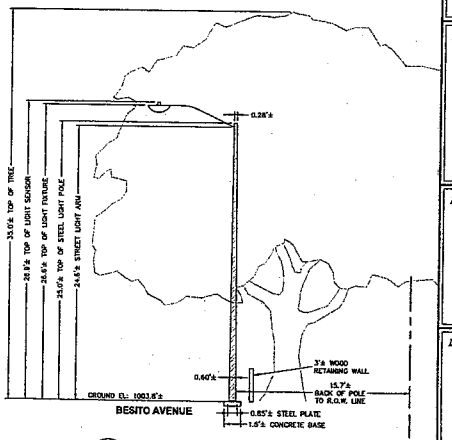


2 / C1 ENLARGED SITE PLAN
SCALE: 1" = 5'



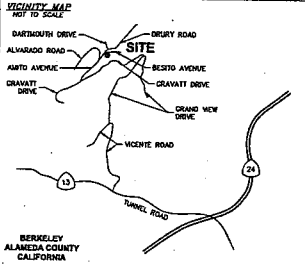
QUIET RIVER
Land Services Inc.
1 1/2 0 1
SCALE IN INCHES
MAGNETIC DECLINATION = 13°33'
PER NOAA-NGDC

SUFFICIENT SURVEY EVIDENCE WAS NOT RECOVERED TO ESTABLISH THE POSITION OF THE BOUNDARY LINES SHOWN HEREON. THE BOUNDARY REPRESENTED ON THIS MAP IS BASED ON COMPILED RECORD DATA AND BEST FIT ONTO EXISTING IMPROVEMENTS. IT IS POSSIBLE FOR THE LOCATION OF THE SUBJECT PROPERTY TO SHIFT FROM THE PLACEMENT SHOWN HEREON WITH ADDITIONAL FIELD WORK AND RESEARCH. THEREFORE, ANY SPATIAL REFERENCE MADE OR SHOWN BETWEEN THE RELATIONSHIP OF THE BOUNDARY LINES AND EXISTING GROUND FEATURES, EASEMENTS OR LEASE AREA SHOWN HEREON IS INTENDED TO BE APPROXIMATE AND IS SUBJECT TO VERIFICATION BY RESOLVING THE POSITION OF THE BOUNDARY LINES.



3 / C1 LIGHT POLE ELEVATION
SCALE: 1" = 5'

VICINITY MAP
NOT TO SCALE



BERKELEY
ALAMEDA COUNTY
CALIFORNIA

PROPERTY INFORMATION

Owner: BERKELEY PUBLIC RIGHT-OF-WAY
Address: 2180 MILVIA STREET
BERKELEY, CA 94704
Site: OAKS-038C
Address: BESITO AVENUE @ DRURY ROAD
BERKELEY, CA 94705
Assessor's Parcel Number: PUBLIC RIGHT-OF-WAY
Height of Building/Tower: 25.0'± A.G.L. TOP OF (E) STEEL LIGHT POLE

Title Report:
NO TITLE REPORT FURNISHED. EXCEPTIONS TO THE TITLE AND RESERVATIONS THEREFROM COULD NOT BE DETERMINED. BOUNDARY INFORMATION SHOWN IS COMPILED FROM AVAILABLE RECORD DATA.

Legal Description:
PROPERTY SITUATED IN THE CITY OF BERKELEY, COUNTY OF ALAMEDA, STATE OF CALIFORNIA.

FEMA FLOOD ZONE DESIGNATION
National Flood Insurance Program
County: ALAMEDA Effective Date: AUGUST 3, 2009
Community-Panel Number: 060010C-0080-G
The Flood Zone Designation for this site as plotted by scale is:

ZONE X (NOT SHADED) Areas determined to be outside the 0.2% annual chance floodplain.

SURVEY DATA

NAD 83 Datum:
Lat: N 37°51'40.50" Long: W 122°13'55.18"
Datum Base: NAD 83 Equipment Used: Topcon Hiperlite Receiver
(See Note 2)
Site Ground Elevation: 1003.8± AMSL (NAVD88) AT BASE OF LIGHT POLE
Basis of Elevations:
GLOBAL POSITIONING SYSTEM (GPS)
(SEE NOTE 2)
Basis of Bearings:
MAP OF CLARCHONT KNOLLS EXTENSION FILED IN BOOK A AT PAGE 44 IN THE RECORDS OF ALAMEDA COUNTY, AND TWO FOUND MONUMENTS AS SHOWN.
Date of Field Survey: DECEMBER 9, 2016

NOTES

1.) This is not a boundary survey. This is a specialized topographic map with property lines and easements being a graphic depiction of various information gathered from preliminary title reports, back-up documents of record, maps and available monuments found during the field survey. No property monuments were set. No title research was performed by Quiet River Land Services, Inc.

2.) The latitude, longitude and elevation shown hereon were derived from post-processed L1/L2 data collected using Navstar Global Positioning System (GPS) and a Topcon Hiperlite Receiver. Topcon specifications report horizontal level accuracy (horizontally) when data is properly collected and processed. (Elevation = ±3.0 feet.)

3.) Unless otherwise noted, no underground utility locating service company was contacted prior to this map being prepared; therefore, there may be non-visible or obscure utilities existing on the property not shown on this map — we CALL BEFORE YOU DIG.

4.) Any electronic digital media provided by Quiet River Land Services, Inc. to our client is a courtesy and is not to be reproduced, distributed, sold, altered, revised, edited or amended without the express written consent of or on behalf of Quiet River Land Services, Inc. Further, only the final stamped, signed and dated original "hard copy" version of our survey or map is considered to be our legally recognized product.

SURVEYOR'S STATEMENT

I, the undersigned, a Registered Professional Land Surveyor licensed under the laws of the State of California do hereby state that the information, measurements, comments, record boundary lines, bearings and distances as shown hereon are based upon a field survey as defined above and upon items of public record and data contained in a title report, as referenced. Furthermore, the Latitude and Longitude coordinates are reported in NAD 83 Datum and are accurate to within ±10 feet horizontally, and the ground elevation, reported in NAVD 1988 Datum, is within ±3 feet vertically. The coordinate values and elevations are stated to the 1/10 Accuracy Code designation as listed in the A.S.A.C. Information Sheet 91-003 and are accurate to the best of my knowledge and belief.

SIGNATURE DATE

LEGEND

APN:	ASSESSOR'S PARCEL NUMBER		ASPHALT
CP	CONTROL POINT		CONCRETE
EL.	ELEVATION	△	CONTROL POINT
FH	FIRE HYDRANT	○	FOUND MONUMENT
FND.	FOUND	⊕	GPS POINT
HT.	HEIGHT		
MON.	MONUMENT		
(M-M)	MONUMENT TO MONUMENT	6 12.1 / 6 12.7	PARAPET/ROOF ELEVATIONS
P.O.B.	POINT OF BEGINNING	× 12.3	SPOT ELEVATION
P.O.C.	POINT OF COMMENCEMENT	BM	TEMPORARY BENCHMARK
PP	POWER POLE		
(TYP.)	TYPICAL		

DATE: DECEMBER 15, 2016
DRAWN BY: RO
FILE NO.: EXNT1609

REVISIONS

DATE	DESCRIPTION	INITIAL
12/15/16	100% COMPLETE	RO

at&t
AT&T MOBILITY
5001 Executive Parkway
San Ramon, CA 94583

QUIET RIVER
Land Services Inc.
11501 Dublin Boulevard, Suite 200
Dublin, CA 94568
(925) 734-6788 Phone

EXISTING SITE CONDITIONS

OAKS-038C

BESITO AVENUE & DRURY ROAD
BERKELEY, CA 94705

C1
OF 1 SHEET

Y:\EXNT1609\dwg\EXNT1609.dwg Dec 15, 2016 - 4:16pm mschoerb

at&t

AT&T oDAS Shutdown Procedure

PROCEDURE TO DE-ENERGIZE RADIO FREQUENCY (RF) SIGNAL EMERGENCY and NON-EMERGENCY WORK REQUIRING RF SIGNAL SHUTDOWN

(A) PG&E personnel SHALL contact AT&T Mobility Switch Center to notify them of an emergency shutdown 800-638-2822. Dial option 9 for cell site "Related" emergency's then option 1. Provide the following information when calling or leave a voicemail:
(1) Identify yourself and give callback phone number.
(2) Site number and if applicable site name (located on the shutdown box)
(3) Site address and location
(4) Nature of emergency and site condition

(B) Pull Disconnect Handle down to the Open or "OFF" Position. The RF signal will shut down within a few seconds. A visual inspection of the interior blade will confirm that both incoming AC Lead and Battery Backup are disconnected.

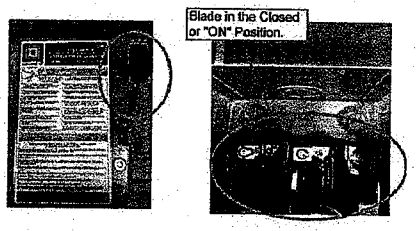
(C) Notify AT&T (New Cingular) Switch Center when the emergency work is completed.

See reverse side to view photo of the "on" and "off" position.

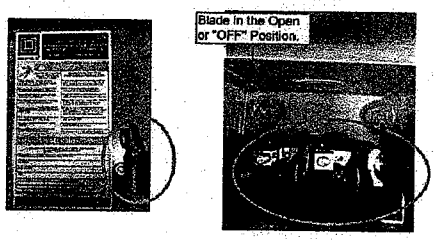
FRONT

at&t

Switch in the Closed Position ("ON")



Switch in the Open Position ("Off")



BACK

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T SOUTH NETWORK OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:
06/29/17

ISSUED FOR:
100% CONSTRUCTION DRAWING

REV.	DATE	DESCRIPTION	BY
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RED

PLANS PREPARED BY:

PDC CORPORATION
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:

3030 WARRENVILLE RD, SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:

REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/29/17

SHEET TITLE:
POWER & RF SAFETY PROTOCOLS

SHEET NUMBER:
T-3

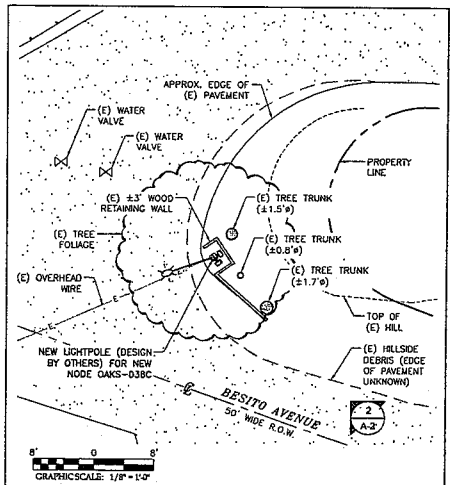
SCALE NOTE:
IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.

GENERAL NOTES:

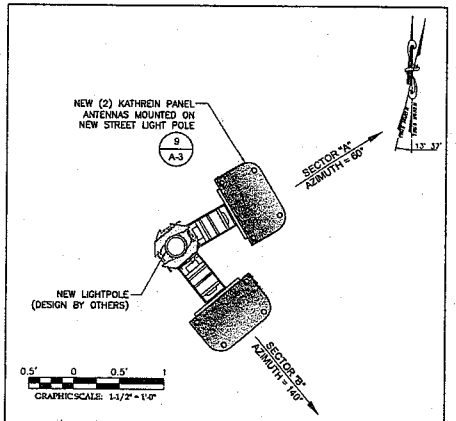
1. THIS PROPOSAL IS FOR THE MODIFICATION OF AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY CONSISTING OF INSTALLATION OF THE FOLLOWING: .
2. THE EXISTING FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE.
3. THE EXISTING FACILITY IS UNMANNED AND IS NOT FOR HUMAN HABITAT. (NO HANDICAP ACCESS IS REQUIRED).
4. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
5. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS PROPOSAL.
6. OUTDOOR STORAGE AND SOLID WASTE CONTAINERS ARE NOT NEW.
7. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
8. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATION.
9. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTION REQUIRED FOR CONSTRUCTION.
10. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
11. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND DRAWINGS PROVIDED BY THE SITE OWNER. SUBCONTRACTOR SHALL NOTIFY AT&T OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

SITE WORK GENERAL NOTES:

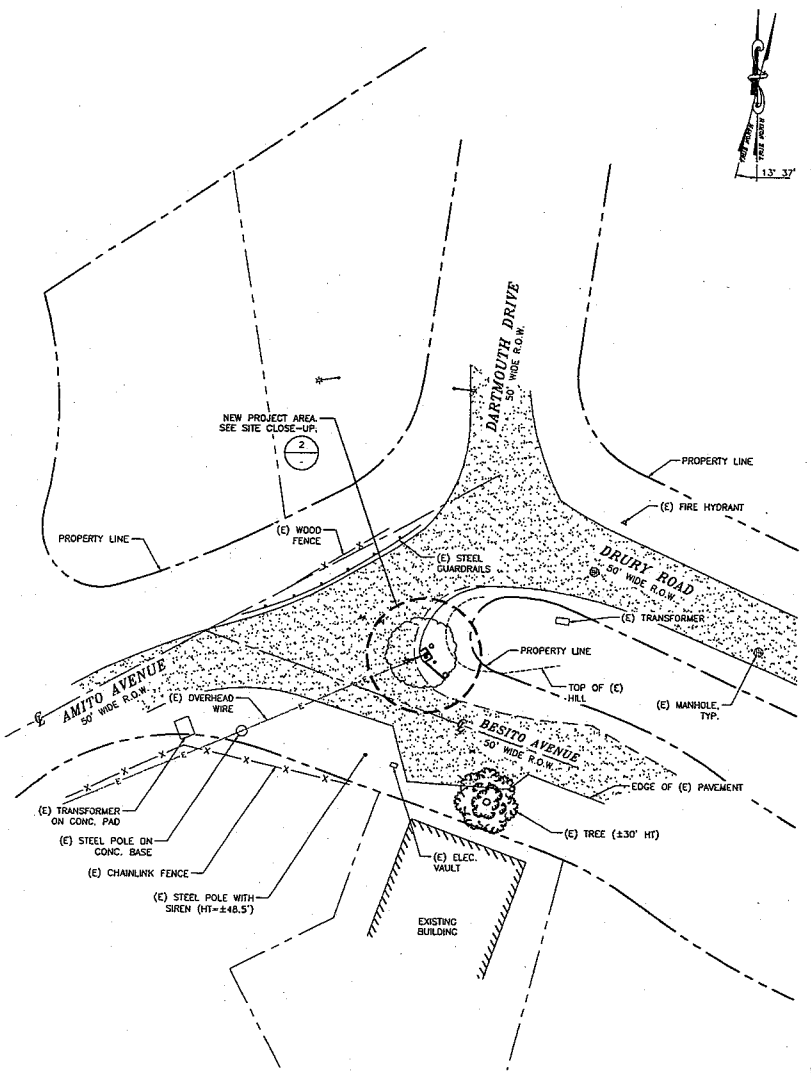
1. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.
2. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
3. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
4. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
5. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
6. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
7. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING, OWNER AND/OR LOCAL UTILITIES.
8. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE AND STABILIZED TO PREVENT EROSION AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
9. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
10. ADD ELECTRICAL CONNECTIONS IN THE PUBLIC RIGHT OF WAY SHALL BE INSTALLED UNDERGROUND TO THE NEAREST UTILITY POLE.
11. NO WORK SHALL BE DONE WITHIN THE PUBLIC RIGHT-OF-WAY WITHOUT THE PRIOR APPROVAL AND PERMIT FROM THE ENVIRONMENTAL AND PUBLIC WORKS MANAGEMENT DEPARTMENT – ADMINISTRATIVE SERVICES.
12. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ALL DAMAGED OFFSITE IMPROVEMENTS CAUSED BY CONSTRUCTION. CALL PUBLIC WORKS INSPECTOR FOR INSPECTION OF OFFSITE IMPROVEMENTS AT SUBSTANTIAL COMPLETION OF ONSITE WORK.
13. NO CONSTRUCTION DEBRIS SHALL BE SPILLED OR STORED ONTO PUBLIC RIGHT-OF-WAY.
14. NO RUNOFF SEDIMENT OR WASTES IS ALLOWED IN WATER LEAVING THE SITE.
15. ALL SITE UTILITIES SHALL BE CONSTRUCTED UNDERGROUND TO THE NEAREST POLE.
16. ALL LABOR, EQUIPMENT AND MATERIAL REQUIRED FOR OFF-SITE IMPROVEMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.



SITE CLOSEUP | 2



ANTENNA AZIMUTHS | 3



0 10' 20' 50' SCALE 1" = 20'-0" | 1

SITE PLAN

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T SOUTH NETWORK OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:
06/29/17

ISSUED FOR:
100% CONSTRUCTION DRAWING

REV.	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RED

PLANS PREPARED BY:
PDC CORPORATION
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:
net SYSTEMS YOUR NETWORK. EVERYWHERE.
3036 WARRENVILLE RD, SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:
REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA
DATE SIGNED: 06/29/17

SHEET TITLE:
SITE PLAN

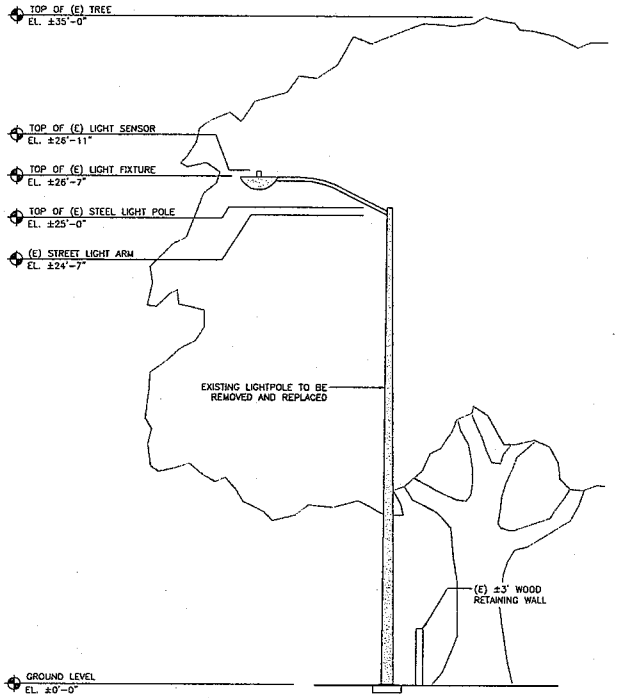
SHEET NUMBER:
A-1

SCALE NOTE:

IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.

NOTES:

1. EXISTING TREES TO BE TRIMMED IF NECESSARY.
2. EQUIPMENT AND SHROUD TO REMAIN ON POLE.



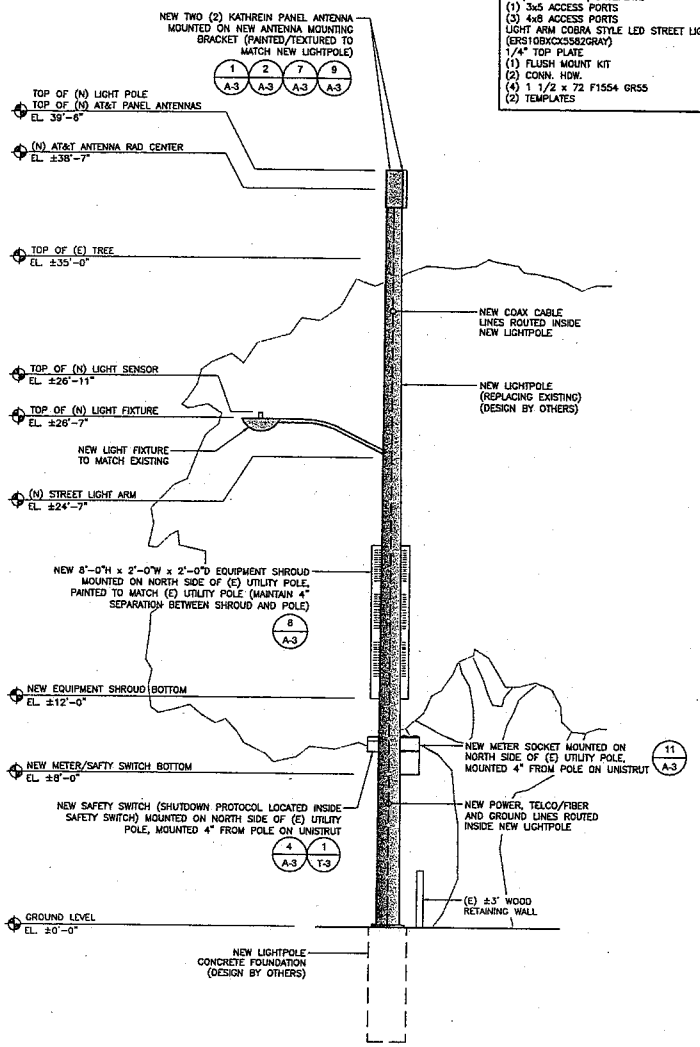
EXISTING SOUTHEAST ELEVATION

SCALE: NONE

1

NODE 38 DESCRIPTION

40' MONO LIGHT POLE
9 x 14.53 x 39.5' x 7ga (1.99) A572 55ksi
1 1/2 x 20.5 sq BASEPLATE
(1) 3x5 ACCESS PORTS
(3) 4x6 ACCESS PORTS
LIGHT ARM COBRA STYLE LED STREET LIGHT (ERS108XCX5582GRAY)
1/4" TOP PLATE
(1) FLUSH MOUNT KIT
(2) CONN. HDW.
(4) 1 1/2 x 72 F1554 GR55
(2) TEMPLATES



NEW SOUTHEAST ELEVATION

SCALE: NONE

2

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T SOUTH NETWORK
OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:

06/29/17

ISSUED FOR:

100% CONSTRUCTION DRAWING

REV.	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
D	06/29/17	100% CONSTRUCTION DRAWING	RED

PLANS PREPARED BY:

PDC CORPORATION
4555 LAS POSITAS RD, BLDG. A STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:

net SYSTEMS YOUR NETWORK. EVERYWHERE.
3030 WARRENVILLE RD, SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:

REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA

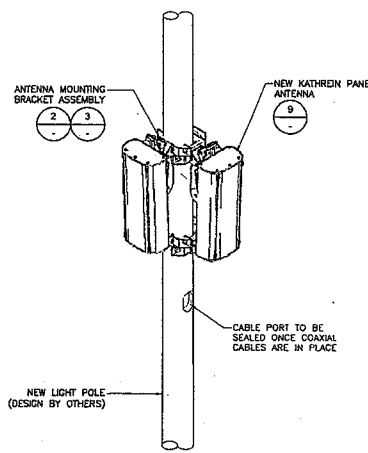
DATE SIGNED: 06/29/17

SHEET TITLE:

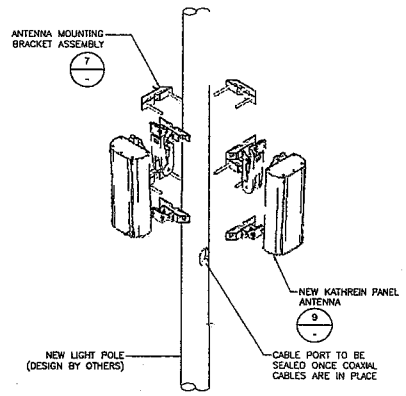
NORTHEAST ELEVATIONS & DETAILS

SHEET NUMBER:

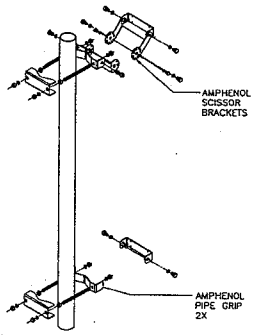
A-2



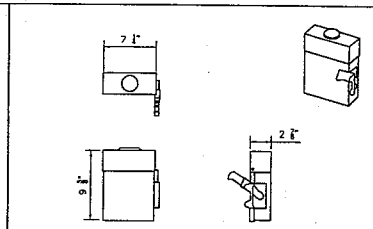
TYP. ANTENNA CONFIGURATION | 1



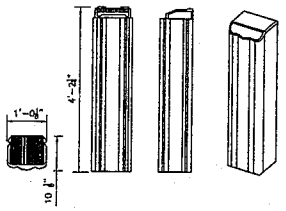
TYP. POLE TOP ANTENNA ASSEMBLY | 2



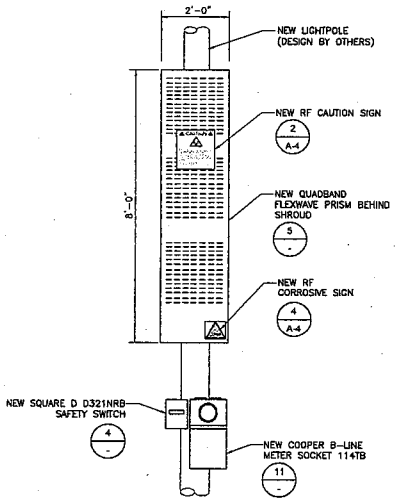
ANTENNA MOUNTING BRACKET | 3



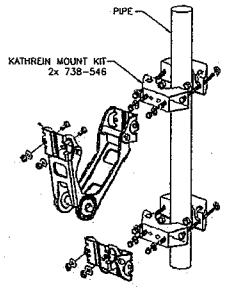
SQUARE D D321NRB SAFTEY SWITCH | 4



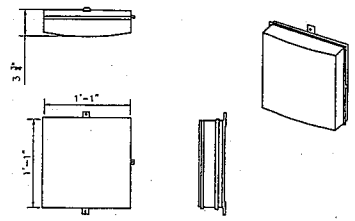
QUADBAND FLEXWAVE PRISM | 5



EQUIPMENT CONFIGURATION | 6

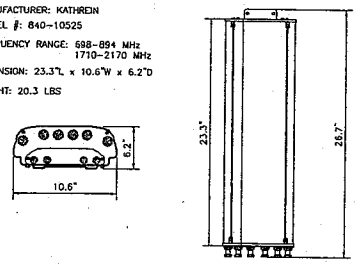


ANT. MOUNT BRACKET ASSEMBLY | 7

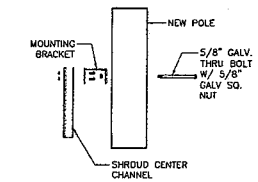


AFL OPTINID 760 XL | 8

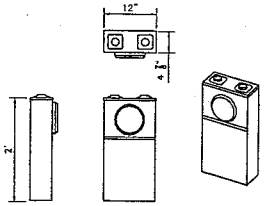
MANUFACTURER: KATHREIN
MODEL #: 840-10525
FREQUENCY RANGE: 698-894 MHz
1710-2170 MHz
DIMENSION: 23.3"L x 10.6"W x 6.2"D
WEIGHT: 20.3 LBS



KATHREIN PANEL ANTENNA | 9



SHROUD MOUNTING DETAIL | 10



COOPER B-LINE METER SOCKET 114TB | 11

NODE 38 DESCRIPTION

40' MONO LIGHT POLE
9 x 14.53 x 39.5' x 7ga (1.99) A572 55ksi
1 1/2 x 20.5 sq BASEPLATE
(1) 3x5 ACCESS PORTS
(3) 4x8 ACCESS PORTS
LIGHT ARM COBRA STYLE LED STREET LIGHT (ERS10BXCX5582GRAY)
1/4" TOP PLATE
(1) FLUSH MOUNT KIT
(2) CONN. HDW.
(4) 1 1/2 x 72 F1554 GR55
(2) TEMPLATES

NOTES | 12

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T SOUTH NETWORK
OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:
06/29/17

ISSUED FOR:
100% CONSTRUCTION DRAWING

REV.	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RED

PLANS PREPARED BY:
PDC CORPORATION
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:
net SYSTEMS
3030 WARRENVILLE RD. SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:
REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA
DATE SIGNED: 06/29/17

SHEET TITLE:
EQUIPMENT AND CONSTRUCTION DETAILS

SHEET NUMBER:
A-3



AT&T TO INSTALL SIGNS PER CCSS RULE 94.5
APPENDIX H, EXHIBIT A AT MAST/ANTENNA POLE &
APPENDIX H ADDITIONAL WARNING REQUIREMENTS

ANTENNA OWNER/OPERATORS ARE RESPONSIBLE FOR THE INSTALLATION AND UPKEEP OF THEIR SIGN OR SIGNS AT EACH JOINT USE SITE.

a. IN ADDITION TO THE REQUIREMENTS OF GO-95, RULE 94.5 (WARNING), AT A MINIMUM, EACH ANTENNA OWNER/OPERATOR WILL ALSO ATTACH A SIGN THAT
a.a. IDENTIFIES THE APPLICABLE FCC EXPOSURE CATEGORY (GENERAL POPULATION/UNCONTROLLED OR OCCUPATIONAL/CONTROLLED)
a.b. IDENTIFIES THE FCC'S RECOMMENDED MINIMUM APPROACH DISTANCE AS SET FORTH IN 47 C.F.R., AND
a.c. IS OF WEATHER AND CORROSION RESISTANT MATERIAL

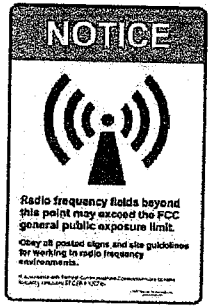
b. THE ANTENNA OWNER/OPERATOR WILL PLACE THE SIGN SO THAT IT IS CLEARLY VISIBLE TO WORKERS WHO COMMENCE CLIMB THE POLE OR ASCEND BY MECHANICAL MEANS AND AFFIX SAID SIGN
b.a. NO LESS THAN THREE (3) FEET BELOW THE ANTENNA (MEASURED FROM THE TOP OF THE SIGN), AND
b.b NO LESS THAN NINE (9) FEET ABOVE THE GROUND (MEASURED FROM THE BOTTOM OF THE SIGN)

c. THE ANTENNA OWNER/OPERATOR MAY INSTALL A SINGLE SIGN THAT CONTAINS THE INFORMATION REQUIRED BY GO-95 RULE 94 AND SECTION(S) ABOVE, OR SEPARATE SIGNS, IF THE EXTENT ONE OR MORE ANTENNAS ARE LOCATED ON A POLE, EACH ANTENNA OWNER/OPERATOR SHALL PROVIDE A SIGN WITH SUFFICIENT INFORMATION TO ALLOW WORKERS TO IDENTIFY ITS ANTENNAS

RF WARNING SIGNAGE | 1



RF CAUTION SIGNAGE | 2



RF NOTICE SIGNAGE | 3



RF CORROSIVE SIGNAGE | 4

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T SOUTH NETWORK OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:
06/29/17

ISSUED FOR:
100% CONSTRUCTION DRAWING

REV.	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RED

PLANS PREPARED BY:
PDC CORPORATION
4565 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:
SYSTEMS
3030 WARRENVILLE RD. SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:
REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA
DATE SIGNED: 06/29/17

SHEET TITLE:
RF SIGNAGE

SHEET NUMBER:
A-4

view from Amito Avenue looking east at site

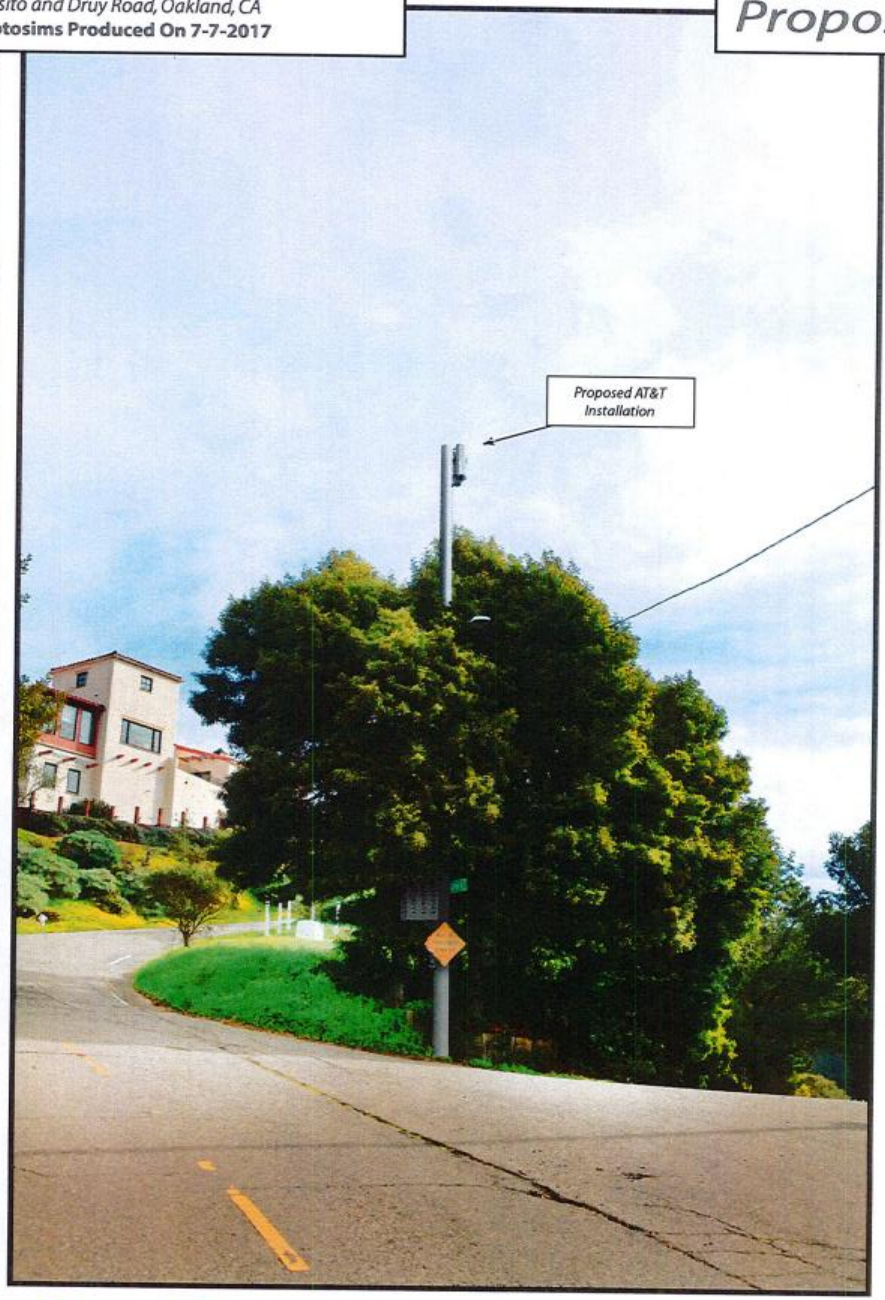
AT&T Wireless

OAKHILLS AT&T South Network Oaks-038C
Besito and Druy Road, Oakland, CA
Photosims Produced On 7-7-2017

Existing



Proposed

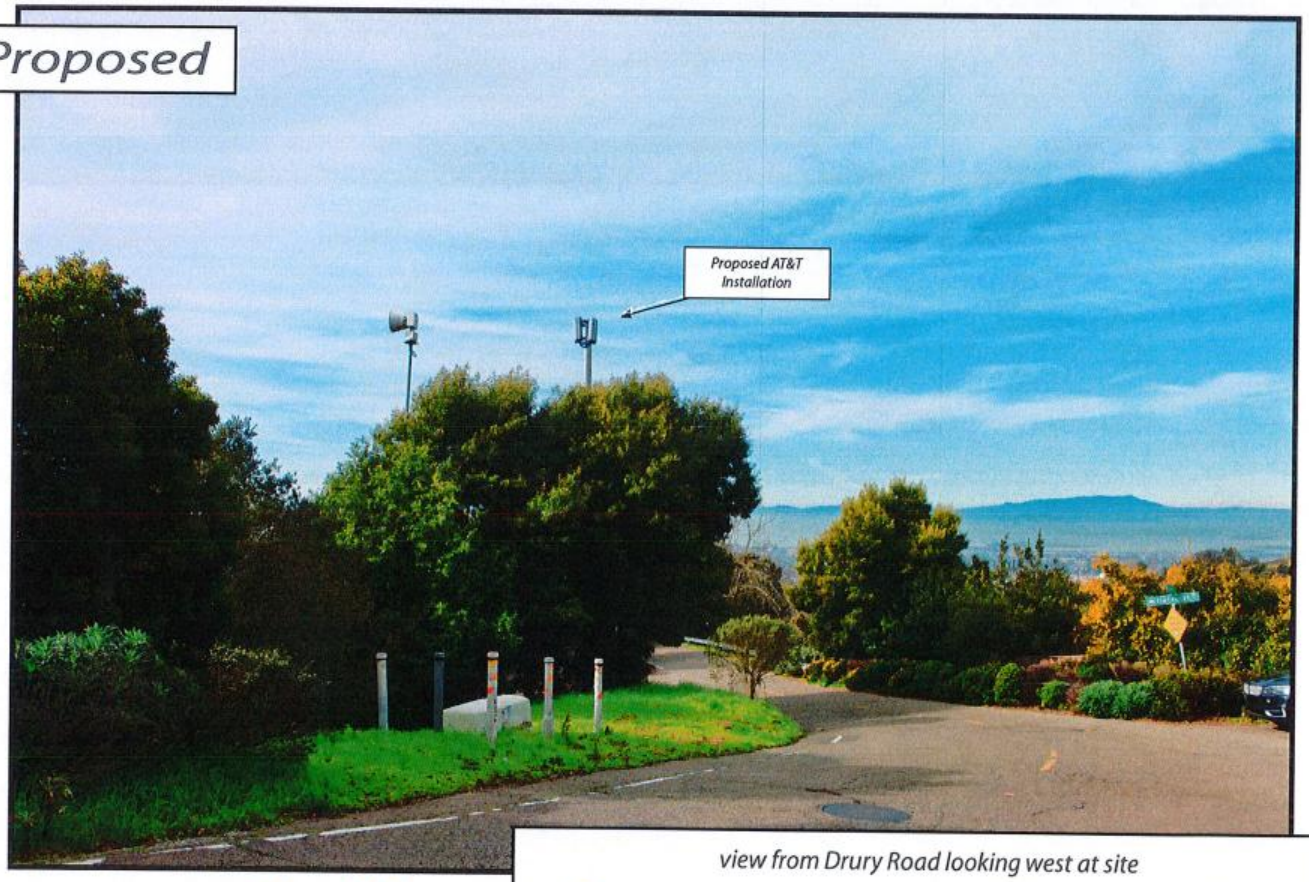


AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Existing



Proposed



view from Drury Road looking west at site

AT&T Wireless

OAKHILLS AT&T South Network Oaks-038C
Besito and Druy Road, Oakland, CA
Photosims Produced On 7-7-2017

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Revised Plans & Photo-Sims

OAKHILLS AT&T SOUTH NETWORK

OAKS-038C

(PROW) BESITO AND DRURY ROAD
OAKLAND, CA 94705

USA NORTH
OF CENTRAL/NORTHERN CALIFORNIA AND NEVADA
1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG

CODE COMPLIANCE

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

1. 2016 CALIFORNIA ADMINISTRATIVE CODE
2. 2016 CALIFORNIA BUILDING CODE
3. 2016 CALIFORNIA ELECTRIC CODE
4. 2016 CALIFORNIA MECHANICAL CODE
5. 2016 CALIFORNIA PLUMBING CODE
6. 2016 CALIFORNIA FIRE CODE
7. ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE
8. CITY/COUNTY ORDINANCES

HANDICAP REQUIREMENTS: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA ADMINISTRATIVE STATE CODE PART 2, TITLE 24, CHAPTER 11B, SECTION 11038.

PROJECT DESCRIPTION

THIS IS AN UNMANNED TELECOMMUNICATIONS FACILITY FOR AT&T WIRELESS CONSISTING OF THE INSTALLATION OF THE FOLLOWING:

1. NEW ONE (1) LIGHTPOLE (DESIGN BY OTHERS) TO REPLACE EXISTING LIGHTPOLE. MATCH EXISTING LIGHTING FIXTURE.
2. NEW TWO (2) PANEL ANTENNAS MOUNTED ON NEW LIGHTPOLE.
3. NEW ONE (1) EQUIPMENT SHROUD MOUNTED TO NEW LIGHTPOLE.
4. NEW ONE (1) SAFETY SWITCH MOUNTED TO NEW LIGHTPOLE.
5. NEW ONE (1) METER CAN MOUNTED TO NEW LIGHTPOLE.

DRIVING DIRECTIONS

FROM AT&T OFFICE - SAN RAMON , CA

1. START OUT GOING SOUTHEAST ON BISHOP DR TOWARD SUNSET DR.
2. TURN RIGHT ONTO SUNSET DRIVE.
3. TAKE THE FIRST RIGHT ONTO BOLLINGER CANYON RD.
4. MERGE ONTO I-680 N TOWARTD SACRAMENTO.
5. MERGE ONTO CA-24 VIA EXIT 46A TOWARD OAKLAND/LAFAYETTE.
6. TAKE THE FISH RANCH ROAD EXIT, EXIT 7A.
7. TURN RIGHT ONTO FISH RANCH RD.
8. FISH RANCH ROAD BECOMES CLAREMONT AVE.
9. TURN SLIGHT LEFT ONTO ALVARADO RD.
10. TURN RIGHT TO STAY ON ALVARADO RD.
11. STAY STRAIGHT TO GO ONTO AMITO DR.
12. TURN SHARP LEFT ONTO DRURY ROAD.
13. ARRIVE AT SITE UPON REACHING BESITO ROAD.

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWING:

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

PROJECT TEAM

ENGINEER:
PDC CORPORATION
4555 LAS POSITAS RD,
BLDG. A, STE. B
LIVERMORE, CA 94551
ENGR. OF RECORD: SOHAIL A. SHAH, P.E.
CONTACT: PAULO PUELIU
OFFICE: (925) 606-5868
MOBILE: (510) 385-5541
EMAIL: paulo@pdccorp.net

APPLICANT/LESSEE:
AT&T
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583
CONTACT: VANI MULLER
PHONE: (510) 258-1703

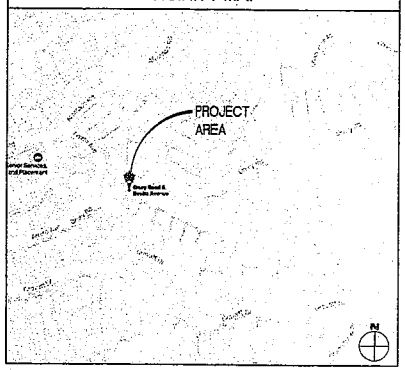
APPLICANT AGENT:
CHARLES LINDSAY
EXTENET SYSTEMS (CA) LLC
2000 CROW CANYON PLACE, SUITE 210
SAN RAMON, CA 94583
PHONE: (510) 910-7787
EMAIL: clindsay@extenetsystems.com

CONSTRUCTION MANAGER:
EXTENET SYSTEMS (CA) LLC
CONTACT: KEN BOOKER
PHONE: (510) 406-0829

PROJECT INFORMATION

SITE ADDRESS:	BESITO AND DRURY ROAD OAKLAND, CA 94705
APN:	PUBLIC RIGHT-OF-WAY
PROPERTY OWNER:	PUBLIC RIGHT-OF-WAY BESITO AND DRURY ROAD OAKLAND, CA 94705
LATITUDE:	37° 51' 40.50" N (NAD 83)
LONGITUDE:	122° 13' 55.30" W (NAD 83)
GROUND ELEVATION:	±1003.8' AMSL (AT BASE OF STEEL LIGHT POLE)
HEIGHT OF STRUCTURE:	±25' AGL (AT TOP OF STREET LIGHT POLE)
TYPE OF CONSTRUCTION:	ATTACHMENTS TO A NEW STEEL POLE
JURISDICTION:	CITY OF OAKLAND
TELEPHONE:	AT&T
POWER:	PG&E

VICINITY MAP



SHEET INDEX

SHEET	DESCRIPTION	REV.
T-1	TITLE SHEET, SITE INFORMATION AND VICINITY MAP	1
T-2	GENERAL NOTES, LEGEND AND ABBREVIATIONS	1
T-3	POWER AND RF SAFETY PROTOCOLS	1
C-1	EXISTING SITE CONDITIONS	1
A-1	SITE PLAN	1
A-2	SOUTHEAST ELEVATIONS & DETAILS	1
A-3	EQUIPMENT AND CONSTRUCTION DETAILS	1
A-4	RF SIGNAGE	1

APPROVALS

LANDLORD: _____
CONSTRUCTION MANAGER: _____
RF ENGINEER: _____
SITE ACQUISITION MANAGER: _____
ZONING MANAGER: _____
UTILITY COORDINATOR: _____
PROGRAM REGIONAL MANAGER: _____
NETWORK OPERATIONS MANAGER: _____

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:
OAKHILLS AT&T SOUTH NETWORK
OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:
01/08/18

ISSUED FOR:
100% CONSTRUCTION DRAWING

REV.	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RED
1	01/08/18	CLIENT REDLINES	JBM

PLANS PREPARED BY:
PDC CORPORATION
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:
net SYSTEMS
3030 WARRENVILLE RD, SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:
REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA
DATE SIGNED: 06/29/17

SHEET TITLE:
TITLE SHEET, SITE INFORMATION AND VICINITY MAP

SHEET NUMBER:
T-1

LEGEND

1

- NEW ANTENNA
- EXISTING ANTENNA
- GROUND ROD
- GROUND BUS BAR
- MECHANICAL GRND. CONN.
- CADWELD
- GROUND ACCESS WELL
- ELECTRIC BOX
- TELEPHONE BOX
- LIGHT POLE
- FND. MONUMENT
- SPOT ELEVATION
- SET POINT
- REVISION
- GRID REFERENCE
- DETAIL REFERENCE
- ELEVATION REFERENCE
- SECTION REFERENCE
- GROUT OR PLASTER
- (E) BRICK
- (C) MASONRY
- CONCRETE
- EARTH
- GRAVEL
- PLYWOOD
- SAND
- WOOD CONT.
- WOOD BLOCKING
- STEEL
- CENTERLINE
- PROPERTY/LEASE LINE
- MATCH LINE
- WORK POINT
- GROUND CONDUCTOR
- T — TELEPHONE CONDUIT
- E — ELECTRICAL CONDUIT
- A — COAXIAL CABLE
- OU — OVERHEAD SERVICE CONDUCTORS
- X — CHAIN LINK FENCING

ABBREVIATIONS

2

A.B.	ANCHOR BOLT
ABV.	ABOVE
ACCA	ANTENNA CABLE COVER ASSEMBLY
ADD'L	ADDITIONAL
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
ALUM.	ALUMINUM
ALT.	ALTERNATE
ANT.	ANTENNA
APPRX.	APPROXIMATE(LY)
ARCH.	ARCHITECT(URAL)
AWG.	AMERICAN WIRE GAUGE
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
B.N.	BOUNDARY NAILING
BTCW.	BARE TINNED COPPER WIRE
B.O.F.	BOTTOM OF FOOTING
B/U	BACK-UP CABINET
CAB.	CABINET
CANT.	CANTILEVER(ED)
C.I.P.	CAST IN PLACE
CLG.	CEILING
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION(OR)
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
d	PENNY (NAILS)
DBL.	DOUBLE
DEPT.	DEPARTMENT
D.F.	DOUGLAS FIR
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DWG.	DRAWING(S)
DWL.	DOWEL(S)
EA.	EACH
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMT.	ELECTRICAL METALLIC TUBING
E.N.	EDGE NAIL
ENG.	ENGINEER
EQ.	EQUAL
EXP.	EXPANSION
EXST.(E)	EXISTING
EXT.	EXTERIOR
FAB.	FABRICATION(OR)
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
FIN.	FINISH(ED)
FLR.	FLOOR
FDN.	FOUNDATION
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
F.S.	FINISH SURFACE
FT.(')	FOOT (FEET)
FTG.	FOOTING
G.	GROWTH (CABINET)
GA.	GAUGE
GI.	GALVANIZE(D)
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER
GLB. (GLU-LAM)	GLUE LAMINATED BEAM
GPS	GLOBAL POSITIONING SYSTEM
GRND.	GROUND
HDR.	HEADER
HGR.	HANGER
HT.	HEIGHT
ICGB.	ISOLATED COPPER GROUND BUS
IN.(")	INCH(ES)
INT.	INTERIOR
LB.(#)	POUND(S)
L.B.	LAG BOLTS
L.F.	LINEAR FEET (FOOT)
L.	LONG(ITUDINAL)
MAS.	MASONRY
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTL.	METAL
(N)	NEW
NO.(#)	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG.	OPENING
P/C	PRECAST CONCRETE
PCS	PERSONAL COMMUNICATION SERVICES
PLY.	PLYWOOD
PPC	POWER PROTECTION CABINET
PRC	PRIMARY RADIO CABINET
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
PWR.	POWER (CABINET)
QTY.	QUANTITY
RAD.(R)	RADIUS
REF.	REFERENCE
REINF.	REINFORCEMENT(ING)
REQ'D.	REQUIRED
RGS.	RIGID GALVANIZED STEEL
SCH.	SCHEDULE
SHT.	SHEET
SIM.	SIMILAR
SPEC.	SPECIFICATION(S)
SQ.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUC.	STRUCTURAL
TEMP.	TEMPORARY
THK.	THICK(NESS)
T.N.	TOE NAIL
T.O.A.	TOP OF ANTENNA
T.O.C.	TOP OF CURB
T.O.F.	TOP OF FOUNDATION
T.O.P.	TOP OF PLATE (PARAPET)
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.G.	UNDER GROUND
U.L.	UNDERWRITERS LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
W	WIDE(WIDTH)
W/	WITH
WD.	WOOD
W.P.	WEATHERPROOF
WT.	WEIGHT
℄	CENTERLINE
℄	PLATE, PROPERTY LINE

LOADING AND ANTENNA CABLE SCHEDULES

3

WIND LOADING INFORMATION	
ANTENNA/WOOD ARM AREA TOTAL	1.83 SQ FT.
TOP GRADE	37'-0"
BOTTOM GRADE	35'-0"
METER/BREAKER AREA TOTAL	1.75 SQ FT.
TOP GRADE	20'-0"
BOTTOM GRADE	12'-0"
BATTERY BACKUP AREA TOTAL	IN SHROUD
TOP GRADE	–
BOTTOM GRADE	–
PRISM DECK AREA TOTAL	IN SHROUD
TOP GRADE	–
BOTTOM GRADE	–
PRISM DECK (FUT.) AREA TOTAL	–
TOP GRADE	–
BOTTOM GRADE	–
COAX RISER SIZE	INTERNAL
COAX RISE TOP GRADE	INTERNAL
COAX RISER BTM GRADE	INTERNAL
PWR RISER SIZE	–
PWR RISER TOP GRADE	–
PWR RISER BTM GRADE	–

ANTENNA AND CABLE SCHEDULE

ANTENNA SECTOR	AZIMUTH	ANTENNA MAKE/MODEL	COAXIAL LENGTH	CABLES PER SECTOR	CABLE SIZE
ALPHA	0°	KATHREIN 840-10525	27'/3'	4/6	1/2"
BETA	140°	KATHREIN 840-10525			
GAMMA					

GENERAL CONSTRUCTION NOTES

4

GENERAL CONSTRUCTION NOTES:

1. THE FACILITY IS AN UNOCCUPIED DIGITAL TELECOMMUNICATION FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION ENGINEER AND ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
6. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
7. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE IMPLEMENTATION ENGINEER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.
8. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
9. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
10. NOT USED.
11. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
12. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING (SHEET LS1), SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ENGINEER.
13. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, VEGETATION, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF AT&T.
14. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.
15. PENETRATIONS OF ROOF MEMBRANES SHALL BE PATCHED/FLASHED AND MADE WATERTIGHT USING LIKE MATERIALS IN ACCORDANCE WITH NRCA ROOFING STANDARDS AND DETAILS. CONTRACTOR SHALL OBTAIN DETAILING CLARIFICATION FOR SITE-SPECIFIC CONDITIONS FROM ENGINEER, IF NECESSARY, BEFORE PROCEEDING.
16. BEFORE ORDERING AND/OR BEFORE FABRICATING/CONSTRUCTING/INSTALLING ANY ITEMS, VERIFY THE TYPES AND QUANTITIES.
17. CONTRACTOR SHALL PROVIDE SITE FOREMAN WITH A CELLULAR PHONE AND PAGER, AND KEEP SAME ON SITE WHENEVER PERSONNEL ARE ON SITE.
18. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE SITE AND NOTIFY THE PROJECT MANAGER OF ANY DISCREPANCES BEFORE STARTING ANY WORK.
19. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
20. CONTRACTOR TO PROVIDE COMPLETE SET OF AS BUILT DRAWINGS WITHIN 10 WORKING DAYS OF PROJECT COMPLETION.
21. CONTRACTOR IS TO EXCAVATE 6" BELOW EXISTING GRADE AND SPRAY WITH WEED CONTROL. REPLACE WITH CLASS II AGGREGATE BASE AND CRUSHED WASHED ROCK. AS SPECIFIED ON SITE PLAN.
22. CONTRACTOR SHALL PROVIDE TOILET FACILITY DURING ALL PHASES OF CONSTRUCTION.
23. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR THE FABRICATION OF MATERIALS TO BE INSTALLED AT THE SITE, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS INCLUDING AS-BUILT DIMENSIONS OF EXISTING STRUCTURES OR STRUCTURAL ELEMENTS HAVING A BEARING ON THE SCOPE OF THE WORK TO BE PERFORMED. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE DIMENSIONS OR CONDITIONS FOUND TO BE EXISTING IN THE FIELD, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OBTAIN DESIGN RESOLUTION PRIOR TO PROCEEDING WITH THE PORTION(S) OF THE WORK AFFECTED. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO SO NOTIFY THE ENGINEER AND OBTAIN RESOLUTION BEFORE PROCEEDING.

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T SOUTH NETWORK
OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:
01/08/18

ISSUED FOR:
100% CONSTRUCTION DRAWING

REV.:	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RSD
1	01/08/18	CLIENT REDLINES	JBM

PLANS PREPARED BY:

PDC CORPORATION
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:

net SYSTEMS
3030 WARRENVILLE RD, SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:

REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/29/17

SHEET TITLE:
GENERAL NOTES, LEGEND AND ABBREVIATIONS

SHEET NUMBER:
T-2

at&t

AT&T oDAS Shutdown Procedure

PROCEDURE TO DE-ENERGIZE RADIO FREQUENCY (RF) SIGNAL EMERGENCY and NON-EMERGENCY WORK REQUIRING RF SIGNAL SHUTDOWN

(A) PG&E personnel SHALL contact AT&T Mobility Switch Center to notify them of an emergency shutdown 800-638-2822. Dial option 9 for cell site "Related" emergency's then option 1. Provide the following information when calling or leave a voicemail:
(1) Identify yourself and give callback phone number.
(2) Site number and if applicable site name (located on the shutdown box)
(3) Site address and location
(4) Nature of emergency and site condition

(B) Pull Disconnect Handle down to the Open or "OFF" Position. The RF signal will shut down within a few seconds. A visual inspection of the interior blade will confirm that both incoming AC Lead and Battery Backup are disconnected.

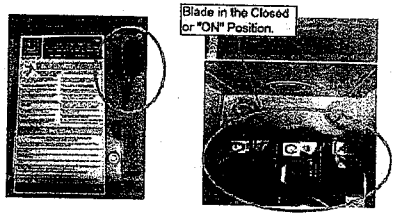
(C) Notify AT&T (New Cingular) Switch Center when the emergency work is completed.

See reverse side to view photo of the "on" and "off" position.

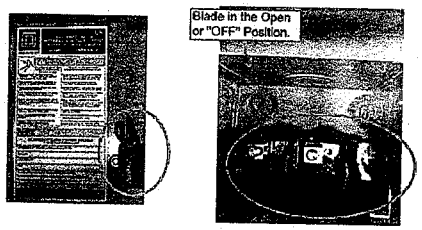
FRONT

at&t

Switch in the Closed Position ("ON")



Switch in the Open Position ("Off")



BACK

SHUTDOWN PROTOCOL

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T SOUTH NETWORK OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:
01/08/18

ISSUED FOR:
100% CONSTRUCTION DRAWING

REV.:	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RSD
1	01/08/18	CLIENT REDLINES	JBM

PLANS PREPARED BY:
PDC CORPORATION
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:
net SYSTEMS
3030 WARRENVILLE RD, SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:

REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/29/17

SHEET TITLE:
POWER & RF SAFETY PROTOCOLS

SHEET NUMBER:
T-3

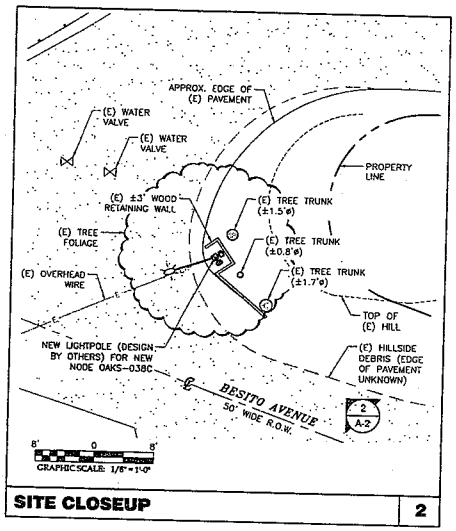
SCALE NOTE:
IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY.
CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.

GENERAL NOTES:

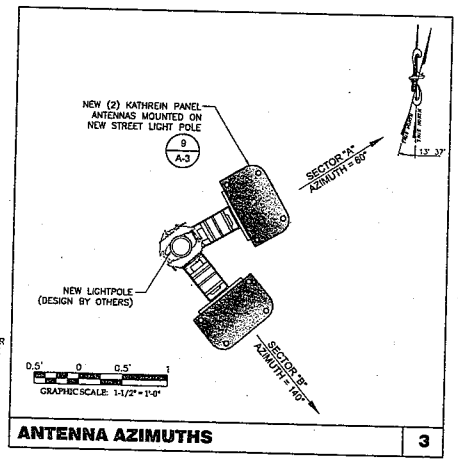
1. THIS PROPOSAL IS FOR THE MODIFICATION OF AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY CONSISTING OF INSTALLATION OF THE FOLLOWING: . .
2. THE EXISTING FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE.
3. THE EXISTING FACILITY IS UNMANNED AND IS NOT FOR HUMAN HABITAT. (NO HANDICAP ACCESS IS REQUIRED).
4. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
5. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS PROPOSAL.
6. OUTDOOR STORAGE AND SOLID WASTE CONTAINERS ARE NOT NEW.
7. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
8. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATION.
9. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTION REQUIRED FOR CONSTRUCTION.
10. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
11. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND DRAWINGS PROVIDED BY THE SITE OWNER. SUBCONTRACTOR SHALL NOTIFY AT&T OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

SITE WORK GENERAL NOTES:

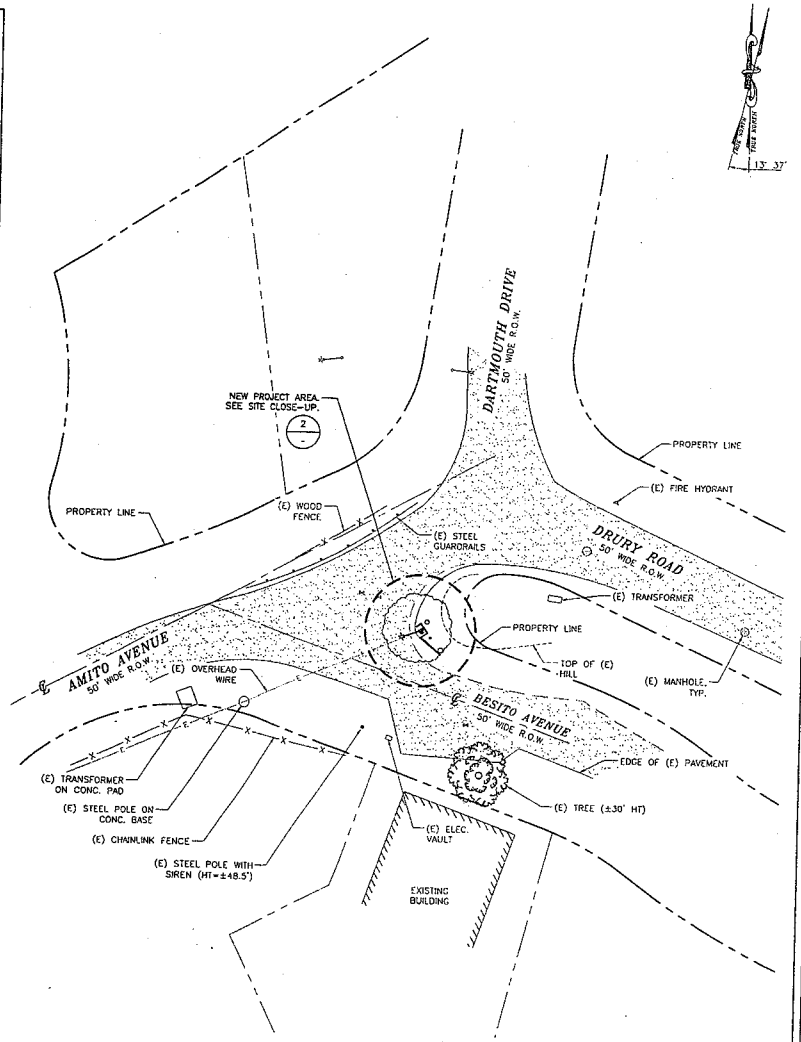
1. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.
2. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
3. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
4. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
5. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
6. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
7. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING, OWNER AND/OR LOCAL UTILITIES.
8. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE AND STABILIZED TO PREVENT EROSION AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
9. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
10. ADD ELECTRICAL CONNECTIONS IN THE PUBLIC RIGHT OF WAY SHALL BE INSTALLED UNDERGROUND TO THE NEAREST UTILITY POLE.
11. NO WORK SHALL BE DONE WITHIN THE PUBLIC RIGHT-OF-WAY WITHOUT THE PRIOR APPROVAL AND PERMIT FROM THE ENVIRONMENTAL AND PUBLIC WORKS MANAGEMENT DEPARTMENT - ADMINISTRATIVE SERVICES.
12. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ALL DAMAGED OFFSITE IMPROVEMENTS CAUSED BY CONSTRUCTION. CALL PUBLIC WORKS INSPECTOR FOR INSPECTION OF OFFSITE IMPROVEMENTS AT SUBSTANTIAL COMPLETION OF ONSITE WORK.
13. NO CONSTRUCTION DEBRIS SHALL BE SPILLED OR STORED ONTO PUBLIC RIGHT-OF-WAY.
14. NO RUNOFF SEDIMENT OR WASTES IS ALLOWED IN WATER LEAVING THE SITE.
15. ALL SITE UTILITIES SHALL BE CONSTRUCTED UNDERGROUND TO THE NEAREST POLE.
16. ALL LABOR, EQUIPMENT AND MATERIAL REQUIRED FOR OFF-SITE IMPROVEMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.



SITE CLOSEUP | 2



ANTENNA AZIMUTHS | 3



SITE PLAN | 1

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T SOUTH NETWORK
OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:
01/08/18

ISSUED FOR:
100% CONSTRUCTION DRAWING

REV.	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RSD
1	01/08/18	CLIENT REDLINES	JBM

PLANS PREPARED BY:
POC CORPORATION
4595 LAS POSITAS RD. BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:
net SYSTEMS
3030 WARRENVILLE RD. SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:
REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA
DATE SIGNED: 06/29/17

SHEET TITLE:
SITE PLAN

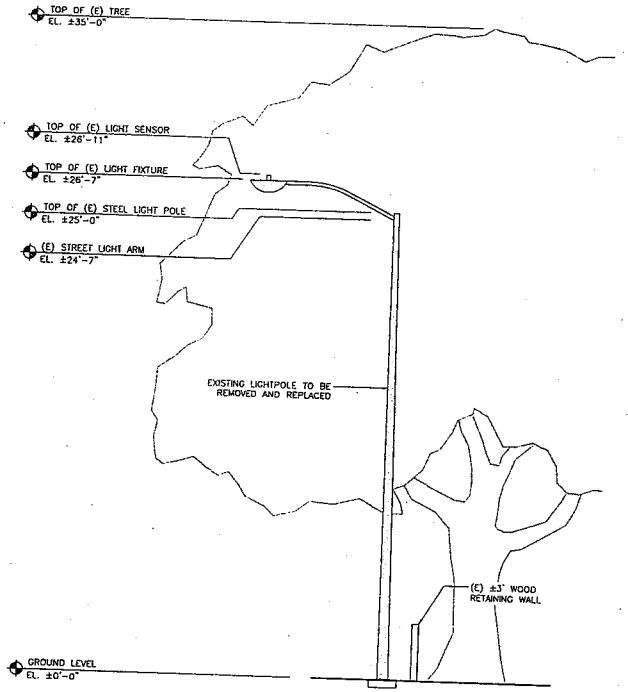
SHEET NUMBER:
A-1

SCALE NOTE:

IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.

NOTES:

1. EXISTING TREES TO BE TRIMMED IF NECESSARY.
2. EQUIPMENT AND SHROUD TO REMAIN ON POLE.

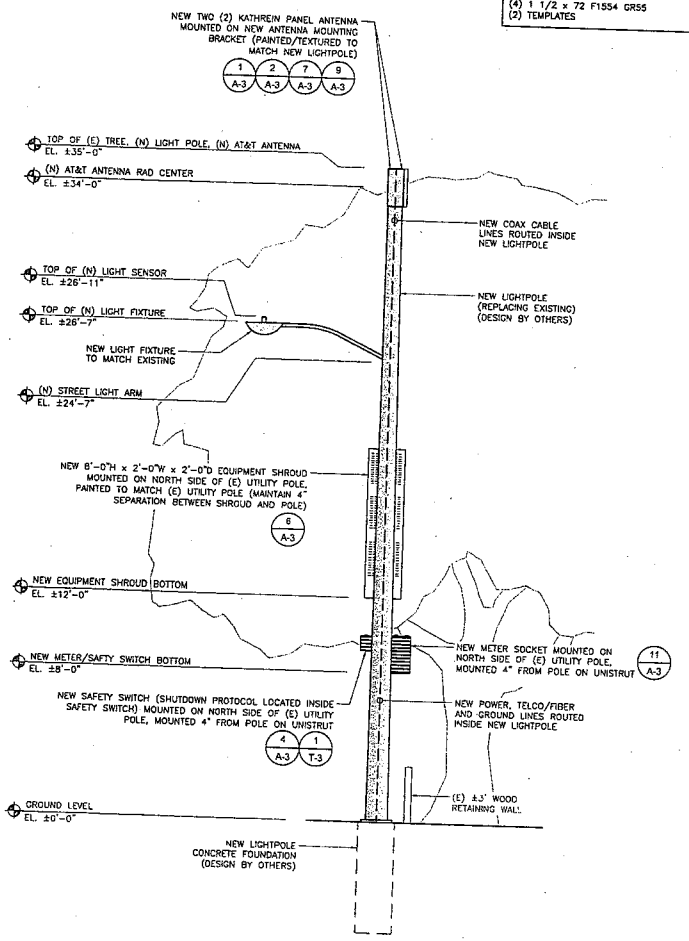


EXISTING SOUTHEAST ELEVATION

SCALE NONE 1

NODE 38 DESCRIPTION

35' MONO LIGHT POLE
9 x 14.53 x 39.5' x 7ga (1.99) A572 55ksi
1 1/2 x 20.5 sq BASEPLATE
(1) 3x5 ACCESS PORTS
(3) 4x8 ACCESS PORTS
LIGHT ARM COBRA STYLE LED STREET LIGHT (ERS10BXCX5582GRAY)
1/4" TOP PLATE
(1) FLUSH MOUNT KIT
(2) CONN. HDW.
(4) 1 1/2 x 72 F1554 GR55
(2) TEMPLATES



NEW SOUTHEAST ELEVATION

SCALE NONE 2

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T SOUTH NETWORK
OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:

01/08/18

ISSUED FOR:

100% CONSTRUCTION DRAWING

REV.:	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RED
1	01/08/18	CLIENT REDLINES	JBM

PLANS PREPARED BY:

POC CORPORATION
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 806-5868

CONSULTANT:

nel SYSTEMS
3030 WARRENVILLE RD, SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:

REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAFI
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA

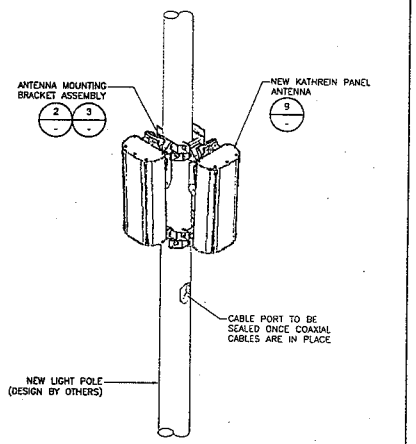
DATE SIGNED: 05/29/17

SHEET TITLE:

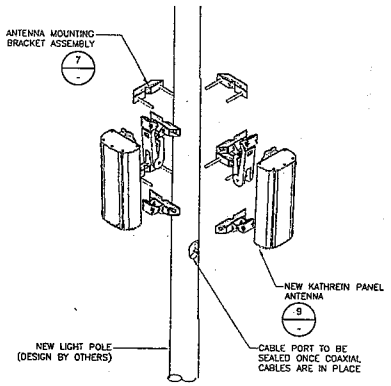
NORTHEAST ELEVATIONS & DETAILS

SHEET NUMBER:

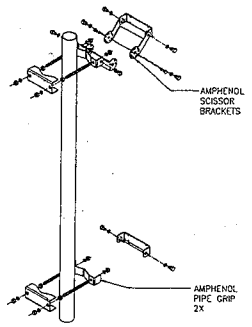
A-2



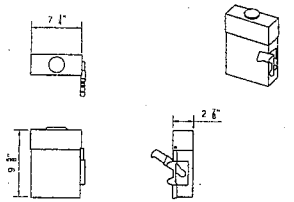
TYP. ANTENNA CONFIGURATION | 1



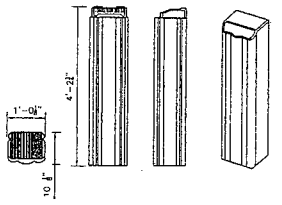
TYP. POLE TOP ANTENNA ASSEMBLY | 2



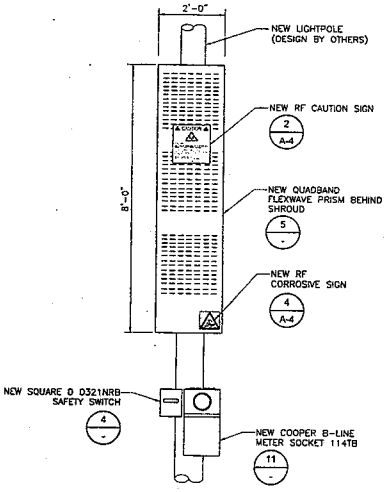
ANTENNA MOUNTING BRACKET | 3



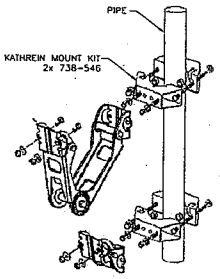
SQUARE D D321NRB SAFTEY SWITCH | 4



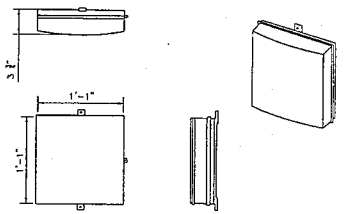
QUADBAND FLEXWAVE PRISM | 5



EQUIPMENT CONFIGURATION | 6

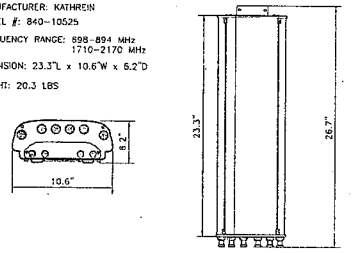


ANT. MOUNT BRACKET ASSEMBLY | 7

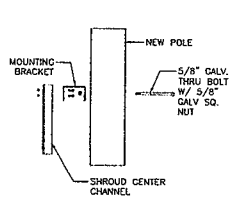


AFL OPTINID 760 XL | 8

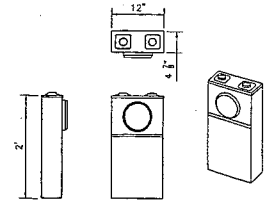
MANUFACTURER: KATHREIN
MODEL #: 840-10525
FREQUENCY RANGE: 698-894 MHz
1710-2170 MHz
DIMENSION: 23.3"L x 10.6"W x 6.2"D
WEIGHT: 20.3 LBS



KATHREIN PANEL ANTENNA | 9



SHROUD MOUNTING DETAIL | 10



COOPER B-LINE METER SOCKET 114TB | 11

NODE 38 DESCRIPTION

35' MONO LIGHT POLE
9 x 14.53 x 39.5' x 7ga (1.99) A572 55ksi
1 1/2 x 20.5 sq BASEPLATE
(1) 3x5 ACCESS PORTS
(3) 4x8 ACCESS PORTS
LIGHT ARM COBRA STYLE LED STREET LIGHT (ERS10BXCX5582GRAY)
1/4" TOP PLATE
(1) FLUSH MOUNT KIT
(2) CONN. HDW.
(4) 1 1/2 x 72 F1554 GR55
(2) TEMPLATES

NOTES | 12

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T SOUTH NETWORK
OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:
01/08/18

ISSUED FOR:
100% CONSTRUCTION DRAWING

REV.	DATE	DESCRIPTION	BY
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RED
1	01/08/18	CLIENT REDLINES	JBM

PLANS PREPARED BY:

PDC CORPORATION
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:

net SYSTEMS
3030 WARRENVILLE RD, SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:

REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/29/17

SHEET TITLE:
EQUIPMENT AND CONSTRUCTION DETAILS

SHEET NUMBER:
A-3



AT&T RD INSTALL SIGNS PER CONS RULE 96.5
APPENDIX H, EXHIBIT A, AT MONO/ANTENNA POLE M

APPENDIX H: ADDITIONAL WARNING REQUIREMENTS

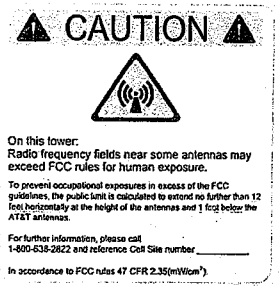
ANTENNA OWNER/OPERATORS ARE RESPONSIBLE FOR THE INSTALLATION AND UPKEEP OF THEIR SIGN OR SIGNS AT EACH JOINT USE SITE.

a. IN ADDITION TO THE REQUIREMENTS OF GO 95, RULE 96.5 (WARNING), AT A MINIMUM, EACH ANTENNA OWNER/OPERATOR WILL ALSO AFFIX A SIGN THAT
   a.a. IDENTIFIES THE APPLICABLE FCC EXPOSURE CATEGORY (GENERAL POPULATION/UNCONTROLLED OR OCCUPATIONAL/CONTROLLED)
   a.b. INDICATES THE FCC'S RECOMMENDED MINIMUM APPROACH DISTANCE AS SET FORTH IN 47 C.F.R., AND
   a.c. IS OF WEATHER AND CORROSION RESISTANT MATERIAL

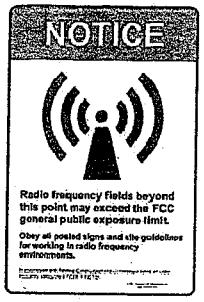
b. THE ANTENNA OWNER/OPERATOR WILL PLACE THE SIGN SO THAT IT IS CLEARLY VISIBLE TO WORKERS WHO OTHERWISE CLIMB THE POLE OR ASCEND BY MECHANICAL MEANS AND AFFIX SAID SIGN
   b.a. NO LESS THAN THREE (3) FEET BELOW THE ANTENNA (MEASURED FROM THE TOP OF THE SIGN); AND
   b.b. NO LESS THAN NINE(9) FEET ABOVE THE GROUND LINE(MEASURED FROM THE BOTTOM OF THE SIGN)

c. THE ANTENNA OWNER/OPERATOR MAY INSTALL A SINGLE SIGN THAT CONTAINS THE INFORMATION REQUIRED BY GO 95, RULE 96 AND SECTION(A) ABOVE, OR SEPARATE SIGNS, IN THE EVENT ONE OR MORE ANTENNAS ARE AFFIXED TO A POLE. EACH ANTENNA OWNER/OPERATOR SHALL PROVIDE A SIGN WITH SUFFICIENT INFORMATION TO ALLOW WORKERS TO IDENTIFY ITS ANTENNAS

RF WARNING SIGNAGE | 1



RF CAUTION SIGNAGE | 2



RF NOTICE SIGNAGE | 3



RF CORROSIVE SIGNAGE | 4

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T SOUTH NETWORK
OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:
01/08/18

ISSUED FOR:
100% CONSTRUCTION DRAWING

REV.:	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RED
1	01/08/18	CLIENT REDLINES	JBM

PLANS PREPARED BY:

PDC CORPORATION
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 906-5868

CONSULTANT:

net SYSTEMS
3030 WARRENVILLE RD, SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:

REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 05/29/17

SHEET TITLE:
RF SIGNAGE

SHEET NUMBER:
A-4

OAKHILLS AT&T SOUTH NETWORK

OAKS-038C

(PROW) BESITO AND DRURY ROAD
OAKLAND, CA 94705

USA NORTH
OF CENTRAL/NORTHERN CALIFORNIA AND NEVADA
1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG

CODE COMPLIANCE

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

1. 2016 CALIFORNIA ADMINISTRATIVE CODE
2. 2016 CALIFORNIA BUILDING CODE
3. 2016 CALIFORNIA ELECTRIC CODE
4. 2016 CALIFORNIA MECHANICAL CODE
5. 2016 CALIFORNIA PLUMBING CODE
6. 2016 CALIFORNIA FIRE CODE
7. ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE
8. CITY/COUNTY ORDINANCES

HANDICAP REQUIREMENTS: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA ADMINISTRATIVE STATE CODE PART 2, TITLE 24, CHAPTER 11B, SECTION 11038.

PROJECT DESCRIPTION

THIS IS AN UNMANNED TELECOMMUNICATIONS FACILITY FOR AT&T WIRELESS CONSISTING OF THE INSTALLATION OF THE FOLLOWING:

1. NEW ONE (1) LIGHTPOLE (DESIGN BY OTHERS) TO REPLACE EXISTING LIGHTPOLE. MATCH EXISTING LIGHTING FIXTURE.
2. NEW TWO (2) PANEL ANTENNAS MOUNTED ON NEW LIGHTPOLE.
3. NEW ONE (1) EQUIPMENT SHROUD MOUNTED TO NEW LIGHTPOLE.
4. NEW ONE (1) SAFETY SWITCH MOUNTED TO NEW LIGHTPOLE.
5. NEW ONE (1) METER CAN MOUNTED TO NEW LIGHTPOLE.

DRIVING DIRECTIONS

FROM AT&T OFFICE - SAN RAMON, CA

1. START OUT GOING SOUTHEAST ON BISHOP DR TOWARD SUNSET DR.
2. TURN RIGHT ONTO SUNSET DRIVE.
3. TAKE THE FIRST RIGHT ONTO BOLLINGER CANYON RD.
4. MERGE ONTO I-680 N TOWARD SACRAMENTO.
5. MERGE ONTO CA-24 VIA EXIT 46A TOWARD OAKLAND/LAFAYETTE.
6. TAKE THE FISH RANCH ROAD EXIT, EXIT 7A.
7. TURN RIGHT ONTO FISH RANCH RD.
8. FISH RANCH ROAD BECOMES CLAREMONT AVE.
9. TURN SLIGHT LEFT ONTO ALVARADO RD.
10. TURN RIGHT TO STAY ON ALVARADO RD.
11. STAY STRAIGHT TO GO ONTO AMITO DR.
12. TURN SHARP LEFT ONTO DRURY ROAD.
13. ARRIVE AT SITE UPON REACHING BESITO ROAD.

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWING:

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

SHEET INDEX

SHEET	DESCRIPTION	REV.
T-1	TITLE SHEET, SITE INFORMATION AND VICINITY MAP	0
T-2	GENERAL NOTES, LEGEND AND ABBREVIATIONS	0
T-3	POWER AND RF SAFETY PROTOCOLS	0
C-1	EXISTING SITE CONDITIONS	
A-1	SITE PLAN	0
A-2	SOUTHEAST ELEVATIONS & DETAILS	0
A-3	EQUIPMENT AND CONSTRUCTION DETAILS	0
A-4	RF SIGNAGE	0

PROJECT TEAM

ENGINEER:
PDC CORPORATION
4555 LAS POSITAS RD,
BLDG. A, STE. B
LIVERMORE, CA 94551
ENGR. OF RECORD: SOHAIL A. SHAH, P.E.
CONTACT: PAULO PUELIU
OFFICE: (925) 606-5868
MOBILE: (510) 385-5541
EMAIL: paulo@pdccorp.net

APPLICANT/LESSEE:
AT&T
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583
CONTACT: VANI MULLER
PHONE: (510) 258-1703

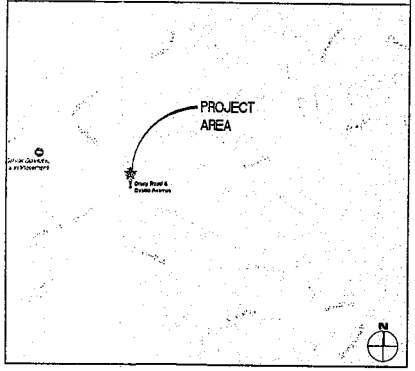
APPLICANT AGENT:
CHARLES LINDSAY
EXTENET SYSTEMS (CA) LLC
2000 CROW CANYON PLACE, SUITE 210
SAN RAMON, CA 94583
PHONE: (510) 910-7787
EMAIL: clindsay@extenentsystems.com

CONSTRUCTION MANAGER:
EXTENET SYSTEMS (CA) LLC
CONTACT: KEN BOOKER
PHONE: (510) 406-0829

PROJECT INFORMATION

SITE ADDRESS:	BESITO AND DRURY ROAD OAKLAND, CA 94705
APN:	PUBLIC RIGHT-OF-WAY
PROPERTY OWNER:	PUBLIC RIGHT-OF-WAY BESITO AND DRURY ROAD OAKLAND, CA 94705
LATITUDE:	37° 51' 40.50" N (NAD 83)
LONGITUDE:	122° 13' 55.30" W (NAD 83)
GROUND ELEVATION:	±1003.8' AMSL (AT BASE OF STEEL LIGHT POLE)
HEIGHT OF STRUCTURE:	±25' AGL (AT TOP OF STREET LIGHT POLE)
TYPE OF CONSTRUCTION:	ATTACHMENTS TO A NEW STEEL POLE
JURISDICTION:	CITY OF OAKLAND
TELEPHONE:	AT&T
POWER:	PG&E

VICINITY MAP



APPROVALS

LANDLORD: _____
CONSTRUCTION MANAGER: _____
RF ENGINEER: _____
SITE ACQUISITION MANAGER: _____
ZONING MANAGER: _____
UTILITY COORDINATOR: _____
PROGRAM REGIONAL MANAGER: _____
NETWORK OPERATIONS MANAGER: _____

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:
OAKHILLS AT&T SOUTH NETWORK
OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:
06/29/17

ISSUED FOR:
100% CONSTRUCTION DRAWING

REV.	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RED

PLANS PREPARED BY:

PDC CORPORATION
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:

net SYSTEMS YOUR NETWORK, EVERYWHERE
3030 WARRENVILLE RD, SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:
REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA
DATE SIGNED: 06/29/17

SHEET TITLE:
TITLE SHEET, SITE INFORMATION AND VICINITY MAP

SHEET NUMBER:
T-1

LEGEND

1

- NEW ANTENNA
- EXISTING ANTENNA
- GROUND ROD
- GROUND BUS BAR
- MECHANICAL GRND. CONN.
- CADWELD
- GROUND ACCESS WELL
- ELECTRIC BOX
- TELEPHONE BOX
- LIGHT POLE
- FND. MONUMENT
- SPOT ELEVATION
- SET POINT
- REVISION
- GRID REFERENCE
- DETAIL REFERENCE
- ELEVATION REFERENCE
- SECTION REFERENCE
- CROUT OR PLASTER
- (E) BRICK
- (E) MASONRY
- CONCRETE
- EARTH
- GRAVEL
- PLYWOOD
- SAND
- WOOD CONT.
- WOOD BLOCKING
- STEEL
- CENTERLINE
- PROPERTY/LEASE LINE
- MATCH LINE
- WORK POINT
- GROUND CONDUCTOR
- T — TELEPHONE CONDUIT
- E — ELECTRICAL CONDUIT
- A — COAXIAL CABLE
- OU — OVERHEAD SERVICE CONDUCTORS
- X — CHAIN LINK FENCING

ABBREVIATIONS

2

A.B.	ANCHOR BOLT
ABV.	ABOVE
ACCA	ANTENNA CABLE COVER ASSEMBLY
ADD'L	ADDITIONAL
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
ALUM.	ALUMINUM
ALT.	ALTERNATE
ANT.	ANTENNA
APPRX.	APPROXIMATE(LY)
ARCH.	ARCHITECT(URAL)
AWG.	AMERICAN WIRE GAUGE
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
B.N.	BOUNDARY NAILING
BTCW.	BARE TINNED COPPER WIRE
B.O.F.	BOTTOM OF FOOTING
B/U	BACK-UP CABINET
CAB.	CABINET
CANT.	CANTILEVER(ED)
C.I.P.	CAST IN PLACE
CLG.	CEILING
CLR.	CLEAR
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION(OR)
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
d	PENNY (NAILS)
DBL.	DOUBLE
DEPT.	DEPARTMENT
D.F.	DOUGLAS FIR
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DWG.	DRAWING(S)
DWL.	DOWEL(S)
EA.	EACH
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMT.	ELECTRICAL METALLIC TUBING
E.N.	EDGE NAIL
ENG.	ENGINEER
EQ	EQUAL
EXP.	EXPANSION
EXST.(E)	EXISTING
EXT.	EXTERIOR
FAB.	FABRICATION(OR)
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
FIN.	FINISH(ED)
FLR.	FLOOR
FDN.	FOUNDATION
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
F.S.	FINISH SURFACE
FT.(')	FOOT (FEET)
FTG.	FOOTING
G.	GROWTH (CABINET)
GA.	GAUGE
GI.	GALVANIZE(D)
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER
GLB. (GLU-LAM)	GLUE LAMINATED BEAM
GPS	GLOBAL POSITIONING SYSTEM
GRND.	GROUND
HDR.	HEADER
HGR.	HANGER
HT.	HEIGHT
ICGB.	ISOLATED COPPER GROUND BUS
IN.(")	INCH(ES)
INT.	INTERIOR
LB.(#)	POUND(S)
L.B.	LAG BOLTS
L.F.	LINEAR FEET (FOOT)
L	LONG(ITUDINAL)
MAS.	MASONRY
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MTL.	METAL
(N)	NEW
NO.(#)	NUMBER
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
OPNG.	OPENING
P/C	PRECAST CONCRETE
PCS	PERSONAL COMMUNICATION SERVICES
PLY.	PLYWOOD
PPC	POWER PROTECTION CABINET
PRC	PRIMARY RADIO CABINET
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
PWR.	POWER (CABINET)
QTY	QUANTITY
RAD.(R)	RADIUS
REF.	REFERENCE
REINF.	REINFORCEMENT(ING)
REQ'D.	REQUIRED
RGS.	RIGID GALVANIZED STEEL
SCH.	SCHEDULE
SHT.	SHEET
SIM.	SIMILAR
SPEC.	SPECIFICATION(S)
SQ.	SQUARE
S.S.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUC.	STRUCTURAL
TEMP.	TEMPORARY
THK.	THICK(NESS)
T.N.	TOE NAIL
T.O.A.	TOP OF ANTENNA
T.O.C.	TOP OF CURB
T.O.F.	TOP OF FOUNDATION
T.O.P.	TOP OF PLATE (PARAPET)
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.G.	UNDER GROUND
U.L.	UNDERWRITERS LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
W	WIDE(WIDTH)
W/	WITH
WD.	WOOD
W.P.	WEATHERPROOF
WT.	WEIGHT
℄	CENTERLINE
℄	PLATE, PROPERTY LINE

LOADING AND ANTENNA CABLE SCHEDULES

3

WIND LOADING INFORMATION	
ANTENNA/WOOD ARM AREA TOTAL	1.83 SQ FT.
TOP GRADE	37'-0"
BOTTOM GRADE	35'-0"
METER/BREAKER AREA TOTAL	1.75 SQ FT.
TOP GRADE	20'-0"
BOTTOM GRADE	12'-0"
BATTERY BACKUP AREA TOTAL	IN SHROUD
TOP GRADE	-
BOTTOM GRADE	-
PRISM DECK AREA TOTAL	IN SHROUD
TOP GRADE	-
BOTTOM GRADE	-
PRISM DECK (FUT.) AREA TOTAL	-
TOP GRADE	-
BOTTOM GRADE	-
COAX RISER SIZE	INTERNAL
COAX RISE TOP GRADE	INTERNAL
COAX RISER BTM GRADE	INTERNAL
PWR RISER SIZE	-
PWR RISER TOP GRADE	-
PWR RISER BTM GRADE	-

ANTENNA AND CABLE SCHEDULE					
ANTENNA SECTOR	AZIMUTH	ANTENNA MAKE/MODEL	COAXIAL LENGTH	CABLES PER SECTOR	CABLE SIZE
ALPHA	0°	KATHREIN 840-10525	27'/3'	4/6	1/2"
BETA	140°	KATHREIN 840-10525			
GAMMA					

GENERAL CONSTRUCTION NOTES

4

GENERAL CONSTRUCTION NOTES:

1. THE FACILITY IS AN UNOCCUPIED DIGITAL TELECOMMUNICATION FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION ENGINEER AND ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
6. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
7. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE IMPLEMENTATION ENGINEER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.
8. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
9. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
10. NOT USED.
11. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
12. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING (SHEET LS1), SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ENGINEER.
13. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, VEGETATION, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF AT&T.
14. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.
15. PENETRATIONS OF ROOF MEMBRANES SHALL BE PATCHED/FLASHED AND MADE WATERTIGHT USING LIKE MATERIALS IN ACCORDANCE WITH NRCA ROOFING STANDARDS AND DETAILS. CONTRACTOR SHALL OBTAIN DETAILING CLARIFICATION FOR SITE-SPECIFIC CONDITIONS FROM ENGINEER, IF NECESSARY, BEFORE PROCEEDING.
16. BEFORE ORDERING AND/OR BEFORE FABRICATING/CONSTRUCTING/INSTALLING ANY ITEMS, VERIFY THE TYPES AND QUANTITIES.
17. CONTRACTOR SHALL PROVIDE SITE FOREMAN WITH A CELLULAR PHONE AND PAGER, AND KEEP SAME ON SITE WHENEVER PERSONNEL ARE ON SITE.
18. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE SITE AND NOTIFY THE PROJECT MANAGER OF ANY DISCREPANCES BEFORE STARTING ANY WORK.
19. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
20. CONTRACTOR TO PROVIDE COMPLETE SET OF AS BUILT DRAWINGS WITHIN 10 WORKING DAYS OF PROJECT COMPLETION.
21. CONTRACTOR IS TO EXCAVATE 6" BELOW EXISTING GRADE AND SPRAY WITH WEED CONTROL. REPLACE WITH CLASS II AGGREGATE BASE AND CRUSHED WASHED ROCK, AS SPECIFIED ON SITE PLAN.
22. CONTRACTOR SHALL PROVIDE TOILET FACILITY DURING ALL PHASES OF CONSTRUCTION.
23. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR THE FABRICATION OF MATERIALS TO BE INSTALLED AT THE SITE, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS INCLUDING AS-BUILT DIMENSIONS OF EXISTING STRUCTURES OR STRUCTURAL ELEMENTS HAVING A BEARING ON THE SCOPE OF THE WORK TO BE PERFORMED. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE DIMENSIONS OR CONDITIONS FOUND TO BE EXISTING IN THE FIELD, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OBTAIN DESIGN RESOLUTION PRIOR TO PROCEEDING WITH THE PORTION(S) OF THE WORK AFFECTED. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO SO NOTIFY THE ENGINEER AND OBTAIN RESOLUTION BEFORE PROCEEDING.

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T SOUTH NETWORK
OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:
06/29/17

ISSUED FOR:
100% CONSTRUCTION DRAWING

REV.:	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RED

PLANS PREPARED BY:

PDC CORPORATION
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:
net SYSTEMS YOUR NETWORK. EVERYWHERE.
3030 WARRENVILLE RD, SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

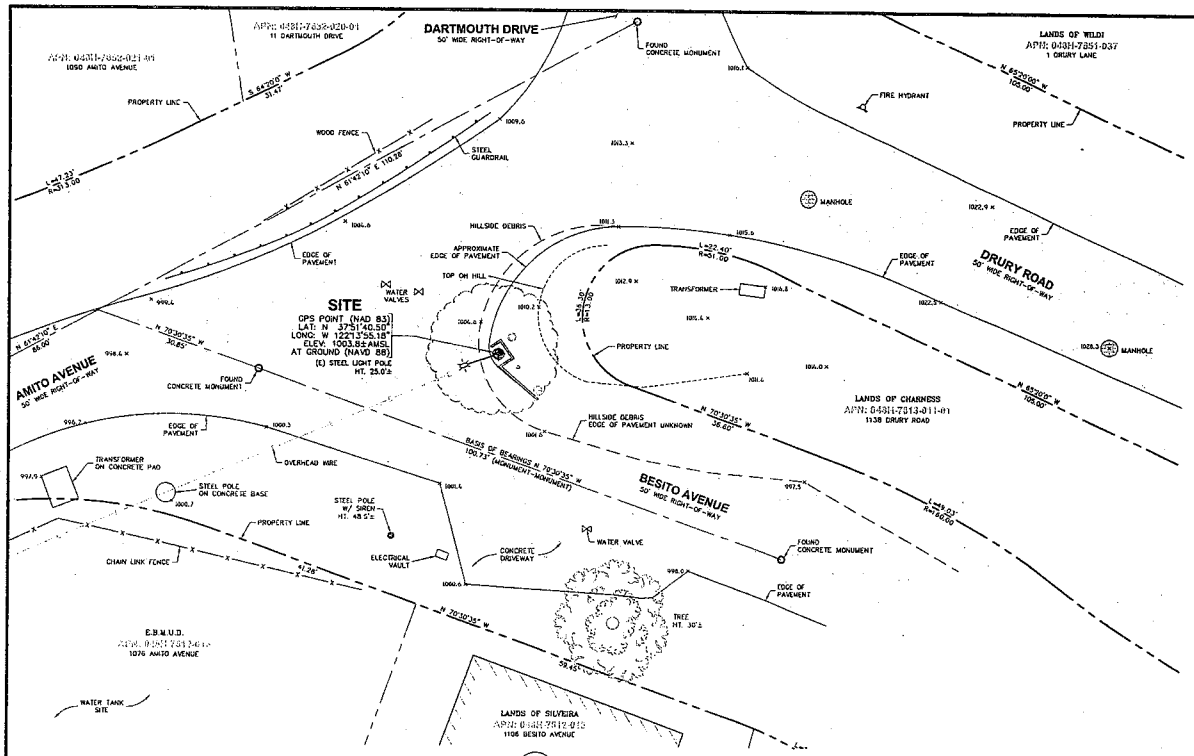
LICENSER:

REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA

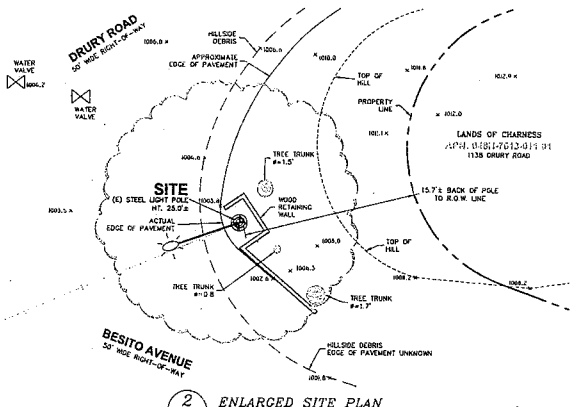
DATE SIGNED: 06/29/17

SHEET TITLE:
GENERAL NOTES, LEGEND AND ABBREVIATIONS

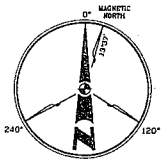
SHEET NUMBER:
T-2



1 / C1 SITE PLAN
SCALE: 1" = 10'

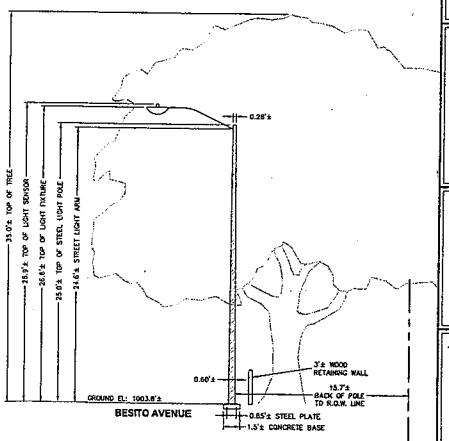


2 / C1 ENLARGED SITE PLAN
SCALE: 1" = 5'



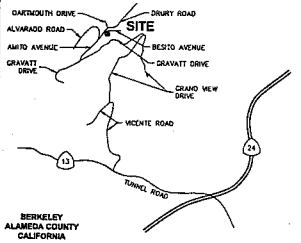
QUIET RIVER
Land Services Inc.
SCALE IN INCHES
0 1/2 0 1
MAGNETIC DECLINATION = 13°09'
PER NOAA-NGDC

SUFFICIENT SURVEY EVIDENCE WAS NOT RECOVERED TO ESTABLISH THE POSITION OF THE BOUNDARY LINES SHOWN HEREON. THE BOUNDARY REPRESENTED ON THIS MAP IS BASED ON COMPILED RECORD DATA AND BEST FIT ON EXISTING IMPROVEMENTS. IT IS POSSIBLE FOR THE LOCATION OF THE SUBJECT PROPERTY TO SHIFT FROM THE PLACEMENT SHOWN HEREON WITH ADDITIONAL FIELD WORK AND RESEARCH. REGARDLESS, ANY SPATIAL REFERENCE MADE OR SHOWN BETWEEN THE RELATIONSHIP OF THE BOUNDARY LINES AND EXISTING GROUND FEATURES, EASEMENTS OR LEASE AREA SHOWN HEREON IS INTENDED TO BE APPROXIMATE AND IS SUBJECT TO VERIFICATION BY RESOLVING THE POSITION OF THE BOUNDARY LINES.



3 / C1 LIGHT POLE ELEVATION
SCALE: 1" = 5'

VICINITY MAP
NOT TO SCALE



BERKELEY
ALAMEDA COUNTY
CALIFORNIA

PROPERTY INFORMATION

Owner: BERKELEY PUBLIC RIGHT-OF-WAY
Address: 2180 MILVIA STREET
BERKELEY, CA 94704

Site: OAKS-038C
Address: BESITO AVENUE @ DRURY ROAD
BERKELEY, CA 94705

Assessor's Parcel Number: PUBLIC RIGHT-OF-WAY

Height of Building/Tower: 25.0'± A.G.L. TOP OF (E) STEEL LIGHT POLE

Title Report:
NO TITLE REPORT FURNISHED. EXCEPTIONS TO THE TITLE AND RESERVATIONS THEREFROM COULD NOT BE DETERMINED. BOUNDARY INFORMATION SHOWN IS COMPILED FROM AVAILABLE RECORD DATA.

Legal Description:
PROPERTY SITUATED IN THE CITY OF BERKELEY, COUNTY OF ALAMEDA, STATE OF CALIFORNIA.

FEMA FLOOD ZONE DESIGNATION
National Flood Insurance Program

County: ALAMEDA *Effective Date:* AUGUST 3, 2009
Community-Panel Number: 060010-0080-C
The Flood Zone Designation for this site as plotted by scale is:

ZONE X (NOT SHADED) Areas determined to be outside the 0.2% annual chance floodplain.

SURVEY DATA

NAD 83 Datum:
Lat: N 37°51'40.50" *Long:* W 122°13'55.18"
Datum Base: NAD 83 *Equipment Used:* Topcon Hiperlite Receiver (See Note 2)
Site Ground Elevation: 1003.8± AMSL (NAVD88) AT BASE OF LIGHT POLE
Basis of Elevations:
GLOBAL POSITIONING SYSTEM (GPS)
(SEE NOTE 2)
Basis of Bearings:
MAP OF CLAREMONT KNOLLS EXTENSION FILED IN BOOK 5 AT PAGE 44 IN THE RECORDS OF ALAMEDA COUNTY, AND TWO FOUND MONUMENTS AS SHOWN.
Date of Field Survey: DECEMBER 9, 2016

NOTES

1.) This is not a boundary survey. This is a specialized topographic map with property lines and easements being a graphic depiction of various information gathered from preliminary title reports, bookings and documents of record, maps and available monuments found during the field survey. No property monuments were set. No title research was performed by Quiet River Land Services, Inc.

2.) The latitude, longitude and elevation shown hereon were derived from post-processed L1/L2 data collected using Navstar Global Positioning System (GPS) and a Topcon Hiperlite Receiver. Topcon specifications report encountered land accuracy (horizontally) when data is properly collected and processed. (Correction = 0.30 feet.)

3.) Unless otherwise noted, no underground utility locating service company was contacted prior to this map being prepared; therefore, there may be non-visible or obscure utilities existing on the property not shown on this map – so CALL BEFORE YOU DIG.

4.) Any electronic digital media provided by Quiet River Land Services, Inc. to our client in a courtesy and is not to be reproduced, distributed, sold, altered, revised, edited or amended without the express written consent of an Officer of Quiet River Land Services, Inc. Further, only the final stamped, signed and dated original "hard copy" version of our survey or map is considered to be our legally recognized product.

SURVEYOR'S STATEMENT

I, the undersigned, a Registered Professional Land Surveyor licensed under the laws of the State of California do hereby state that the information, measurements, easements, record boundary lines, bearings and distances as shown hereon are based upon a field survey as dated above and upon items of public and private land data contained in a title report, as referenced. Furthermore, the Latitude and Longitude coordinates are reported in NAD 83 Datum and are accurate to within 815 feet horizontally. The ground elevation, reported in NAVD 1988 Datum, is within 2.3 feet vertically. The coordinates, datum and elevations are within the 1-A Accuracy Code designation as listed in the A.S.A.C. Information Sheet 81-003 and are accurate to the best of my knowledge and belief.

SIGNATURE DATE

LEGEND

APN:	ASSESSOR'S PARCEL NUMBER		ASPHALT
CP	CONTROL POINT		CONCRETE
EL.	ELEVATION	△	CONTROL POINT
FH	FIRE HYDRANT	○	FOUND MONUMENT
FND.	FOUND		GPS POINT
HT.	HEIGHT		PARAPET/ROOF ELEVATIONS
MON.	MONUMENT	× 12.3	SPOT ELEVATION
(M-M)	MONUMENT TO MONUMENT	⊠	TEMPORARY BENCHMARK
P.O.B.	POINT OF BEGINNING		
P.O.C.	POINT OF COMMENCEMENT		
PP	POWER POLE		
(TYP.)	TYPICAL		

DATE: DECEMBER 15, 2016
DRAWN BY: RO
FILE NO.: EXNT1609

REVISIONS

DATE	DESCRIPTION	INITIAL
12/15/16	100% COMPLETE	RO

at&t
AT&T MOBILITY
5001 Executive Parkway
San Ramon, CA 94583

QUIET RIVER
Land Services Inc.
11501 Dublin Boulevard, Suite 200
Dublin, CA 94568
(925) 734-6788 Phone

EXISTING SITE CONDITIONS

OAKS-038C

BESITO AVENUE & DRURY ROAD
BERKELEY, CA 94705

C1
OF 1 SHEET

I:\EXNT1609\Cad\EXNT1609.dwg Dec. 15, 2016 - 4:18pm mashworth

at&t

AT&T oDAS Shutdown Procedure

PROCEDURE TO DE-ENERGIZE RADIO FREQUENCY (RF) SIGNAL EMERGENCY and NON-EMERGENCY WORK REQUIRING RF SIGNAL SHUTDOWN

(A) PG&E personnel SHALL contact AT&T Mobility Switch Center to notify them of an emergency shutdown 800-638-2822. Dial option 9 for cell site "Related" emergency's then option 1. Provide the following information when calling or leave a voicemail:
(1) Identify yourself and give callback phone number.
(2) Site number and if applicable site name (located on the shutdown box)
(3) Site address and location
(4) Nature of emergency and site condition

(B) Pull Disconnect Handle down to the Open or "OFF" Position. The RF signal will shut down within a few seconds. A visual inspection of the interior blade will confirm that both incoming AC Lead and Battery Backup are disconnected.

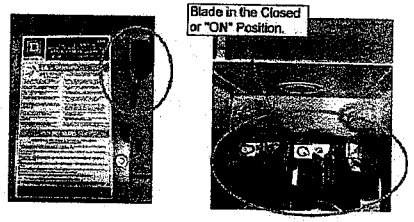
(C) Notify AT&T (New Cingular) Switch Center when the emergency work is completed.

See reverse side to view photo of the "on" and "off" position.

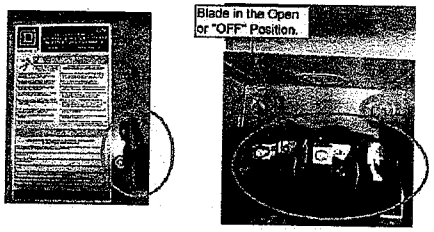
FRONT

at&t

Switch in the Closed Position ("ON")



Switch in the Open Position ("Off")



BACK

SHUTDOWN PROTOCOL

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T SOUTH NETWORK
OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:
06/29/17

ISSUED FOR:
100% CONSTRUCTION DRAWING

REV.	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RED

PLANS PREPARED BY:

PDC CORPORATION
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:

net SYSTEMS YOUR NETWORK. EVERYWHERE.
3030 WARRENVILLE RD. SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:

REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/29/17

SHEET TITLE:
POWER & RF SAFETY PROTOCOLS

SHEET NUMBER:
T-3

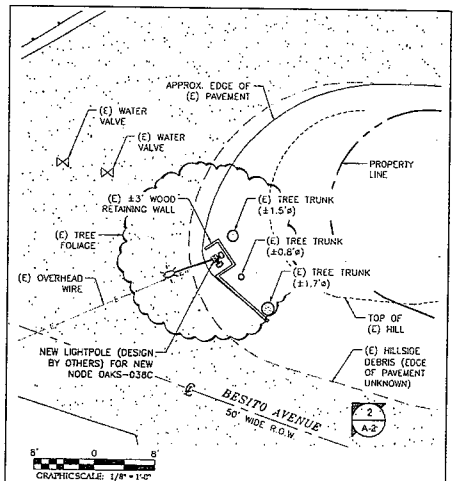
SCALE NOTE:
IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY.
CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.

GENERAL NOTES:

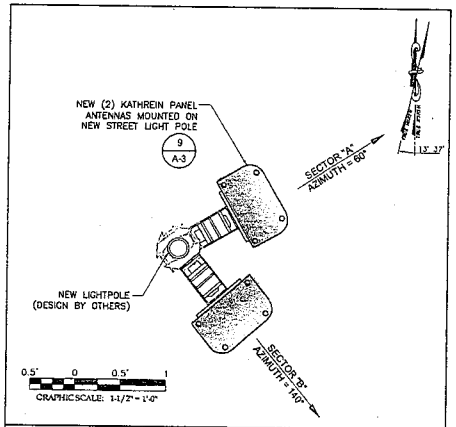
1. THIS PROPOSAL IS FOR THE MODIFICATION OF AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY CONSISTING OF INSTALLATION OF THE FOLLOWING:
2. THE EXISTING FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE.
3. THE EXISTING FACILITY IS UNMANNED AND IS NOT FOR HUMAN HABITAT. (NO HANDICAP ACCESS IS REQUIRED).
4. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
5. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS PROPOSAL.
6. OUTDOOR STORAGE AND SOLID WASTE CONTAINERS ARE NOT NEW.
7. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
8. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATION.
9. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTION REQUIRED FOR CONSTRUCTION.
10. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
11. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND DRAWINGS PROVIDED BY THE SITE OWNER. SUBCONTRACTOR SHALL NOTIFY AT&T OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

SITE WORK GENERAL NOTES:

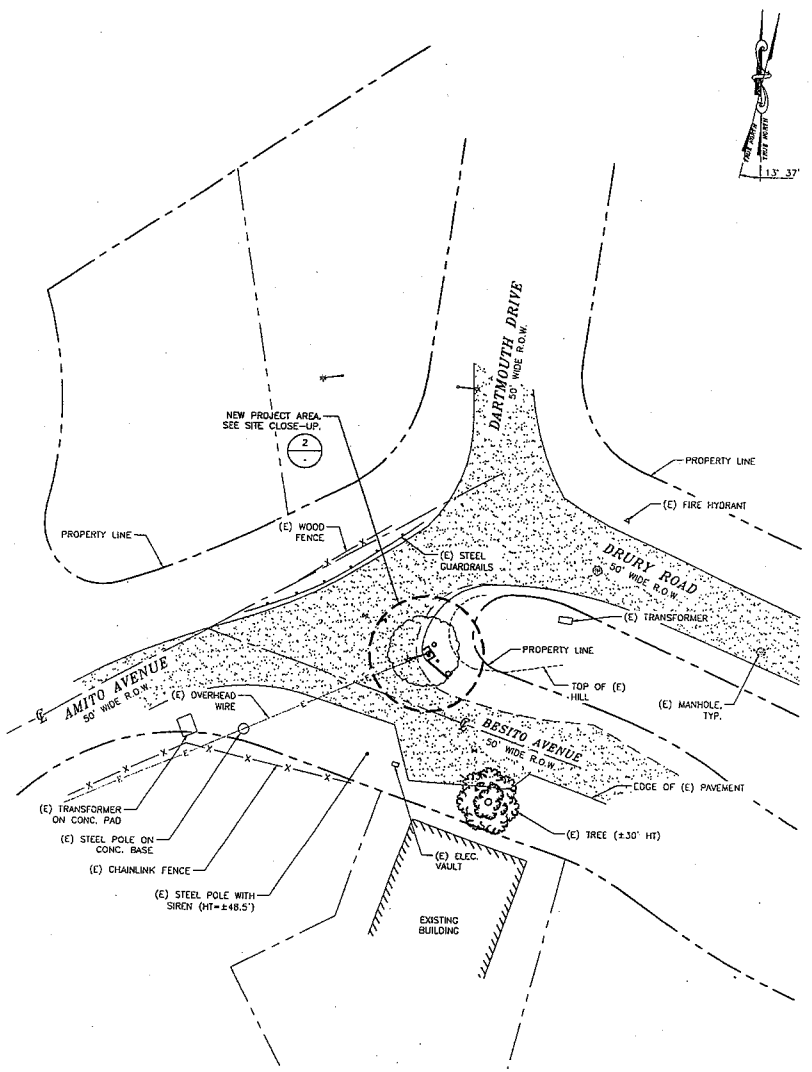
1. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.
2. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
3. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
4. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
5. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
6. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
7. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING, OWNER AND/OR LOCAL UTILITIES.
8. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE AND STABILIZED TO PREVENT EROSION AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
9. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
10. ADD ELECTRICAL CONNECTIONS IN THE PUBLIC RIGHT OF WAY SHALL BE INSTALLED UNDERGROUND TO THE NEAREST UTILITY POLE.
11. NO WORK SHALL BE DONE WITHIN THE PUBLIC RIGHT-OF-WAY WITHOUT THE PRIOR APPROVAL AND PERMIT FROM THE ENVIRONMENTAL AND PUBLIC WORKS MANAGEMENT DEPARTMENT - ADMINISTRATIVE SERVICES.
12. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ALL DAMAGED OFFSITE IMPROVEMENTS CAUSED BY CONSTRUCTION. CALL PUBLIC WORKS INSPECTOR FOR INSPECTION OF OFFSITE IMPROVEMENTS AT SUBSTANTIAL COMPLETION OF ONSITE WORK.
13. NO CONSTRUCTION DEBRIS SHALL BE SPILLED OR STORED ONTO PUBLIC RIGHT-OF-WAY.
14. NO RUNOFF SEDIMENT OR WASTES IS ALLOWED IN WATER LEAVING THE SITE.
15. ALL SITE UTILITIES SHALL BE CONSTRUCTED UNDERGROUND TO THE NEAREST POLE.
16. ALL LABOR, EQUIPMENT AND MATERIAL REQUIRED FOR OFF-SITE IMPROVEMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.



SITE CLOSEUP | 2



ANTENNA AZIMUTHS | 3



SITE PLAN

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T SOUTH NETWORK OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:
06/29/17

ISSUED FOR:
100% CONSTRUCTION DRAWING

REV.	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RED

PLANS PREPARED BY:
PDE CORPORATION
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:
net SYSTEMS YOUR NETWORK EVERYWHERE
3030 WARRENVILLE RD, SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:
REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA
DATE SIGNED: 06/29/17

SHEET TITLE:
SITE PLAN

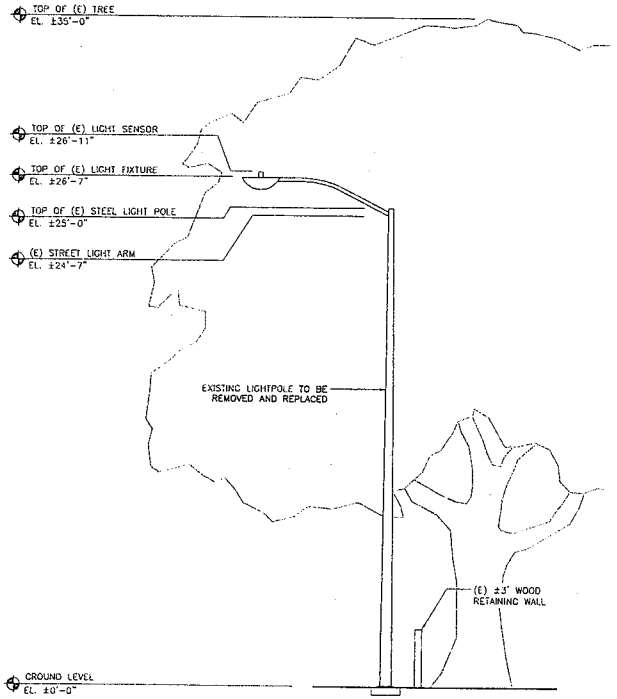
SHEET NUMBER:
A-1

SCALE NOTE:

IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.

NOTES:

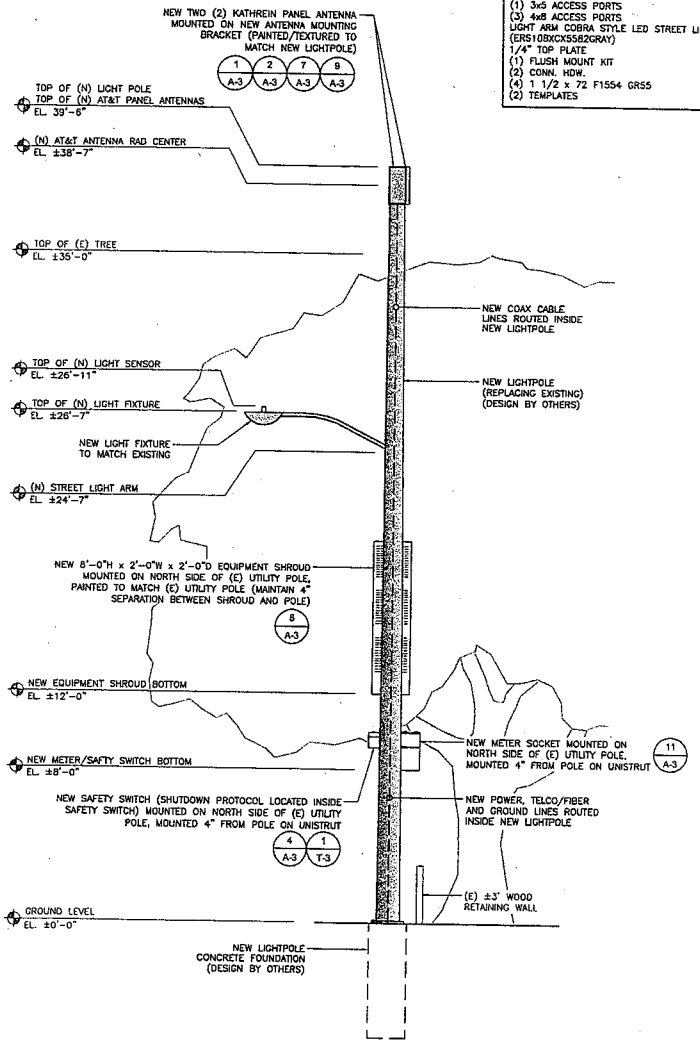
1. EXISTING TREES TO BE TRIMMED IF NECESSARY.
2. EQUIPMENT AND SHROUD TO REMAIN ON POLE.



EXISTING SOUTHEAST ELEVATION — SCALE: NONE — 1

NODE 38 DESCRIPTION

40' MONO LIGHT POLE
9 x 14.53 x 39.5' x 7ga (1.99) A572 55ksi
1 1/2 x 20.5 sq BASEPLATE
(1) 3x5 ACCESS PORTS
(3) 4x8 ACCESS PORTS
LIGHT ARM COBRA STYLE LED STREET LIGHT (ERS108XCX5582GRAY)
1/4" TOP PLATE
(1) FLUSH MOUNT KIT
(2) CONN. HDW.
(4) 1 1/2 x 72 F1554 GR55
(2) TEMPLATES



NEW SOUTHEAST ELEVATION — SCALE: NONE — 2

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T SOUTH NETWORK
OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:

06/29/17

ISSUED FOR:

100% CONSTRUCTION DRAWING

REV.:	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RED

PLANS PREPARED BY:

PDC CORPORATION
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:

net SYSTEMS
YOUR NETWORK. EVERYWHERE.
3030 WARRENVILLE RD, SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

LICENSER:

REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA

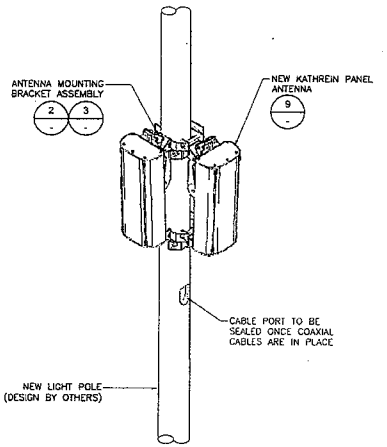
DATE SIGNED: 06/29/17

SHEET TITLE:

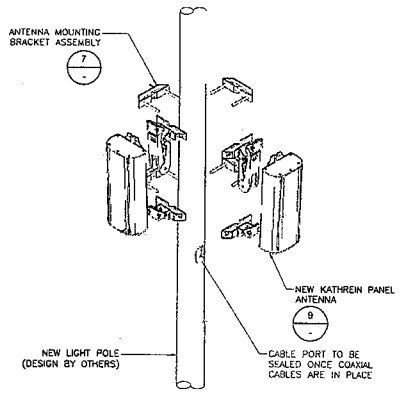
NORTHEAST ELEVATIONS & DETAILS

SHEET NUMBER:

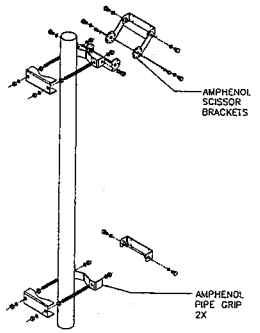
A-2



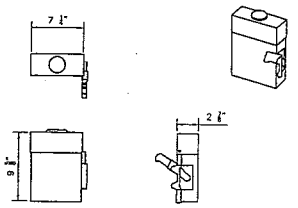
TYP. ANTENNA CONFIGURATION | 1



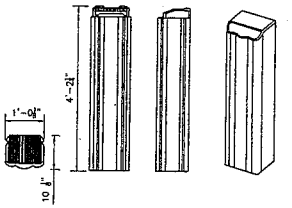
TYP. POLE TOP ANTENNA ASSEMBLY | 2



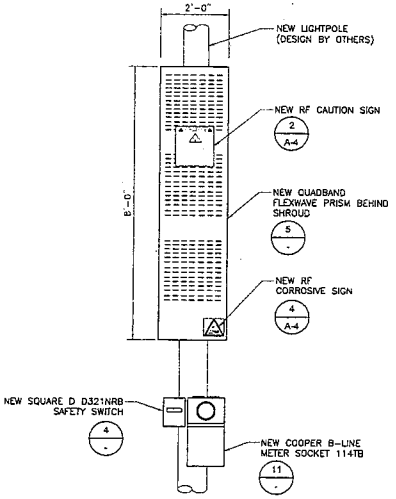
ANTENNA MOUNTING BRACKET | 3



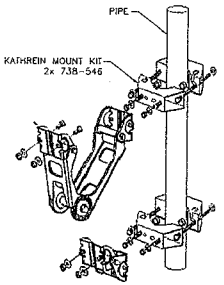
SQUARE D D321NRB SAFTEY SWITCH | 4



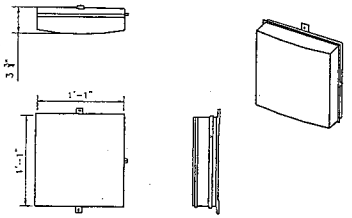
QUADBAND FLEXWAVE PRISM | 5



EQUIPMENT CONFIGURATION | 6

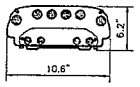


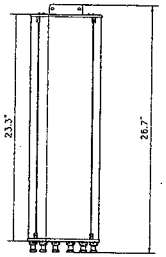
ANT. MOUNT BRACKET ASSEMBLY | 7



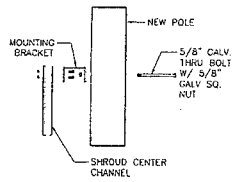
AFL OPTINID 760 XL | 8

MANUFACTURER: KATHREIN
MODEL #: 840-10525
FREQUENCY RANGE: 698-894 MHz
1710-2170 MHz
DIMENSION: 23.3"L x 10.6"W x 6.2"D
WEIGHT: 20.3 LBS

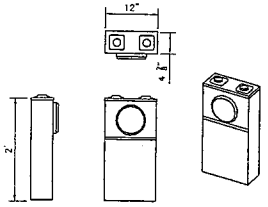




KATHREIN PANEL ANTENNA | 9



SHROUD MOUNTING DETAIL | 10



COOPER B-LINE METER SOCKET 114TB | 11

NODE 38 DESCRIPTION

40' MONO LIGHT POLE
9 x 14.53 x 39.5" x 7ga (1.99) A572 55ksi
1 1/2 x 20.5 sq BASEPLATE
(1) 3x5 ACCESS PORTS
(3) 4x8 ACCESS PORTS
LIGHT ARM COBRA STYLE LED STREET LIGHT (ERS10BXCX55B2GRAY)
1/4" TOP PLATE
(1) FLUSH MOUNT KIT
(2) CONN. HDW.
(4) 1 1/2 x 72 F1554 GR55
(2) TEMPLATES

NOTES | 12

at&t
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

OAKHILLS AT&T SOUTH NETWORK
OAKS-038C
BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:
06/29/17

ISSUED FOR:
100% CONSTRUCTION DRAWING

REV.:	DATE:	DESCRIPTION:	BY:
A	02/08/17	90% CONSTRUCTION DRAWING	RSD JBM
0	06/29/17	100% CONSTRUCTION DRAWING	RED

PLANS PREPARED BY:

PDC CORPORATION
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-5868

CONSULTANT:

net SYSTEMS
3030 WARRENVILLE RD, SUITE 340
LISLE, IL 60532

DRAWN BY:	CHK.:	APV.:
RSD	JBM	SAS

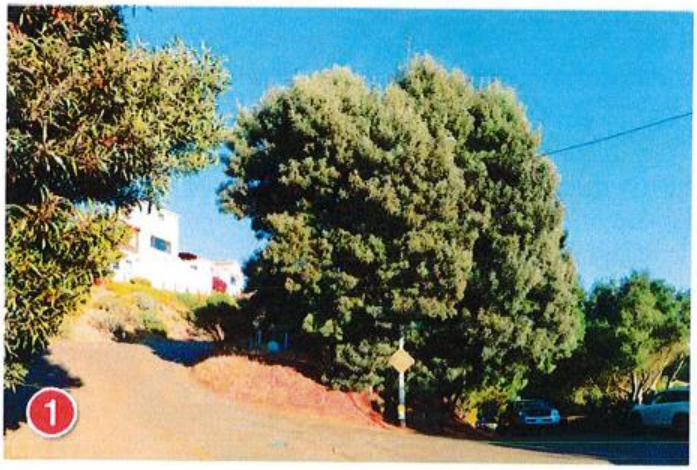
LICENSER:

REGISTERED PROFESSIONAL ENGINEER
SOHAIL SHAH
No. C60216
EXP. 06-30-18
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 06/29/17

SHEET TITLE:
EQUIPMENT AND CONSTRUCTION DETAILS

SHEET NUMBER:
A-3







at&t

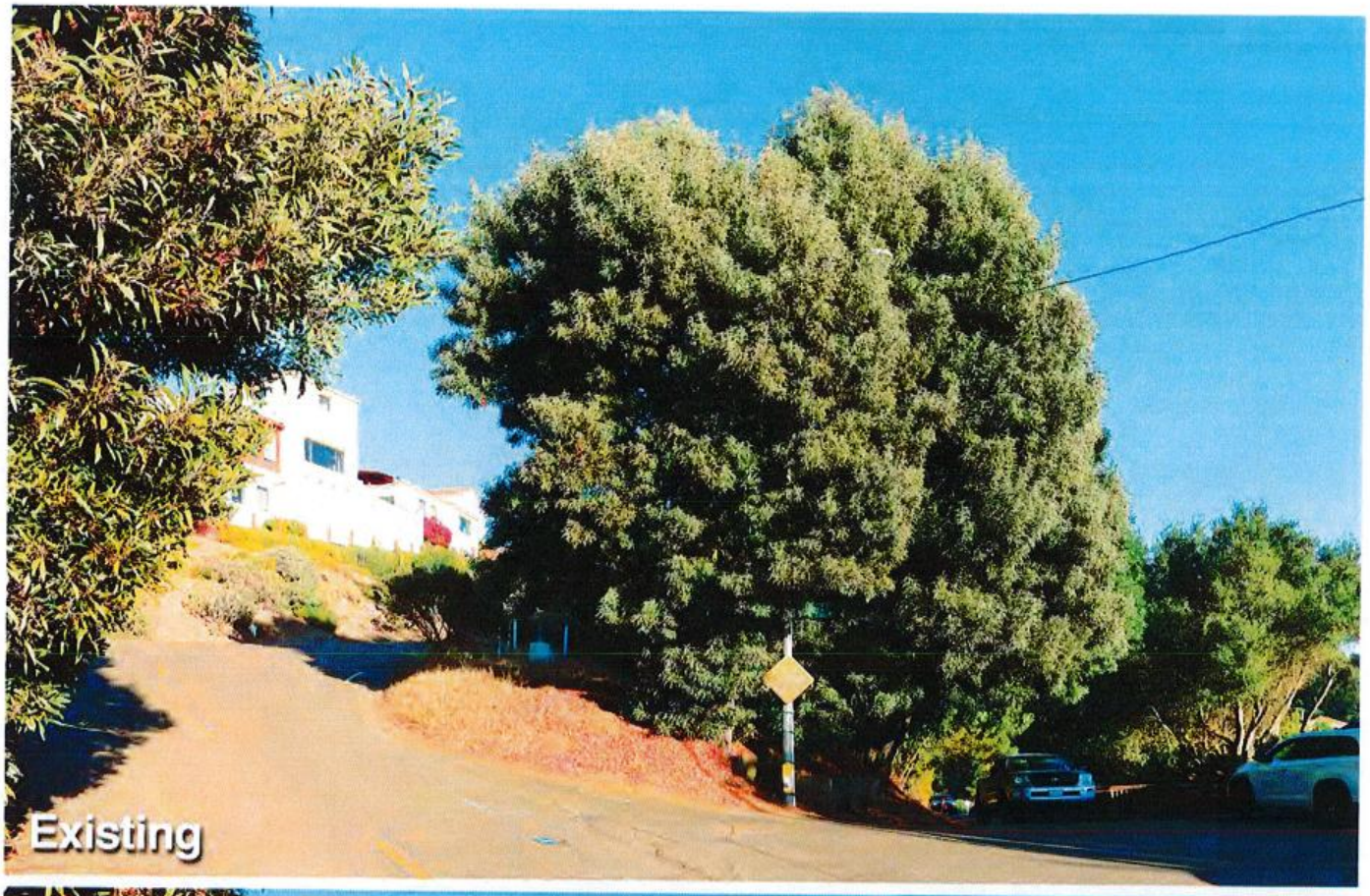
Oakhills AT&T South Network Site # OAKS

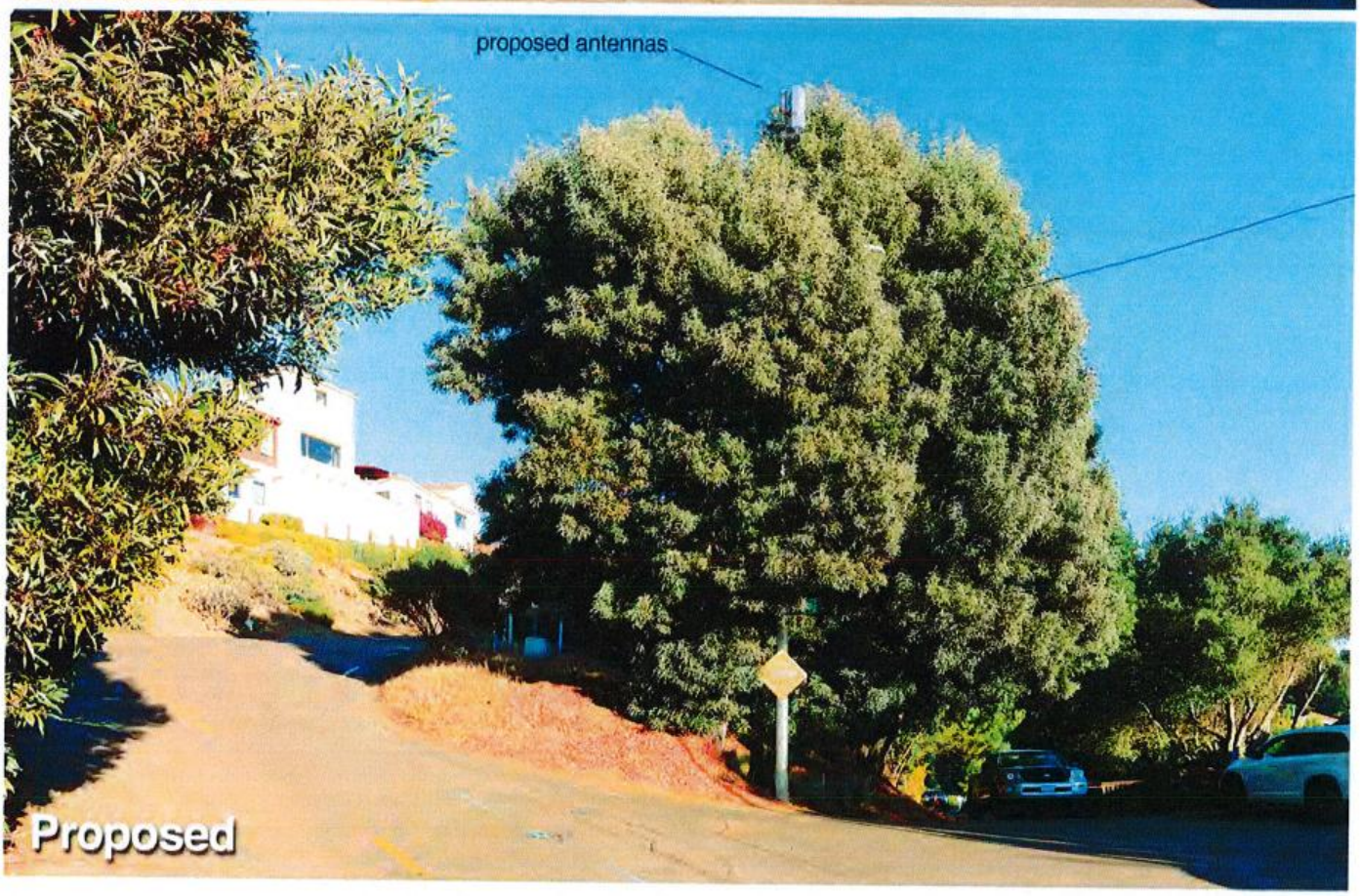
(PROW) Besito and Drury Road
Oakland, CA

1/18/18

Aerial Map

Applied Imagination 510 914-0500





at&t

Oakhills AT&T South Network Site # OAKS-038C

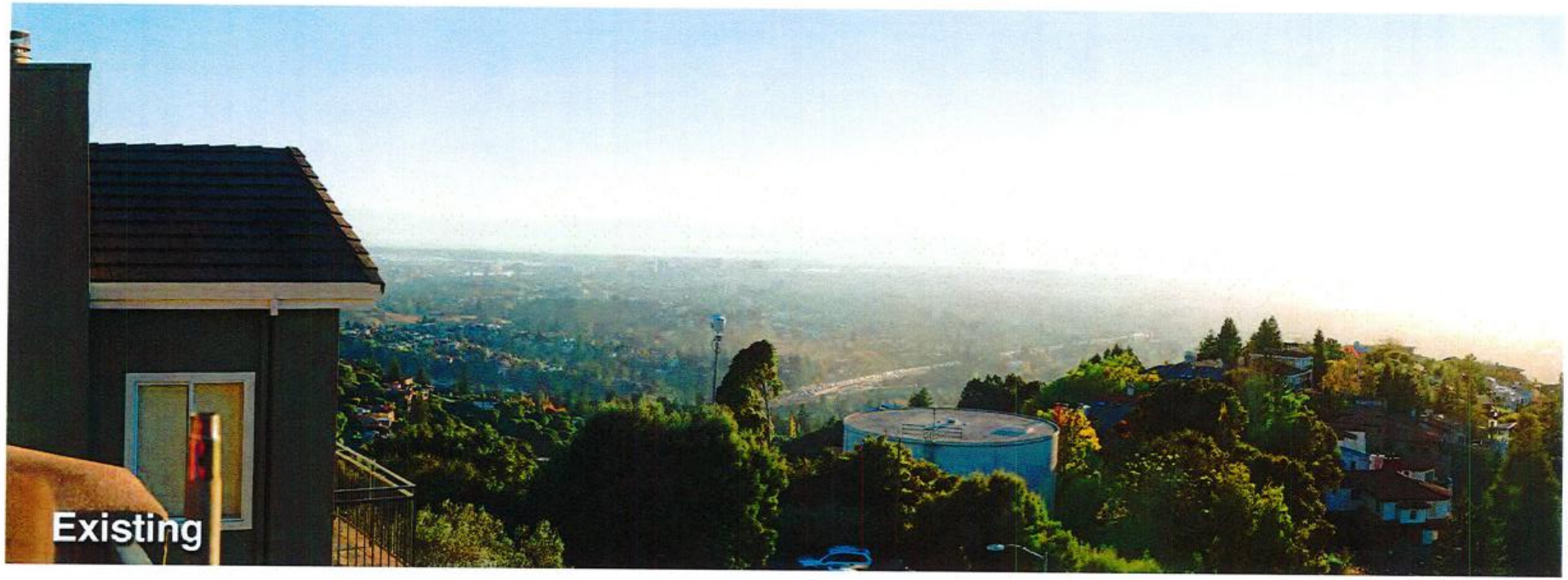
(PROW) Besito and Drury Road
Oakland, CA

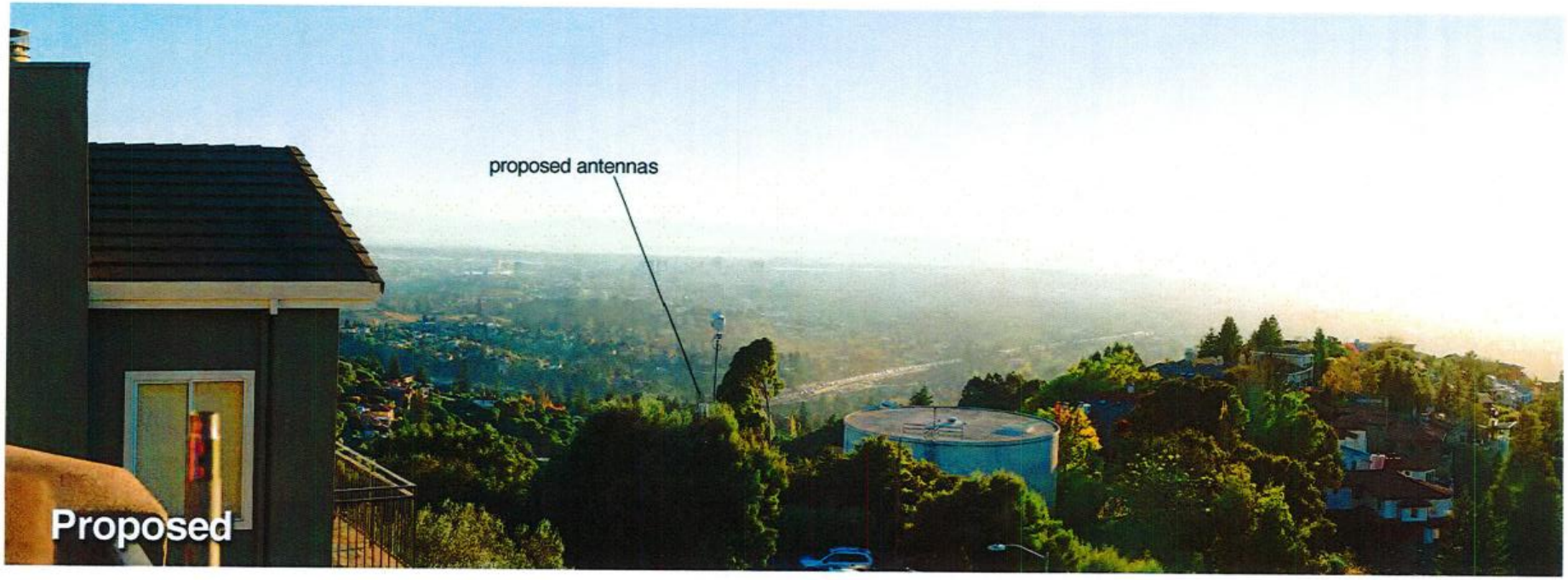
1/18/18

Looking East from Amito Avenue

View #1

Applied Imagination 510 914-0500





at&t

1/18/18

Oakhills AT&T South Network Site # OAKS-038C

(PROW) Besito and Drury Road
Oakland, CA

Looking Southwest from Residence on Drury Lane

View #2

Applied Imagination 510 914-0500

Alternatives Site & Design **Analysis by AT&T dated July 6, 2017**

extenet SYSTEMS YOUR NETWORK. EVERYWHERE.

July 06, 2017

City Planner
Planning Department
City of Oakland
250 Frank Ogawa Plaza, 2nd Floor
Oakland, CA 94612

Re: Proposed ExteNet Small Cell Node Installation

Applicant:	**ExteNet Systems (California) LLC**
Nearest Site Address:	**Public Right of Way near 1138 Drury Road**
Site ID:	**OAKHILLS AT&T SOUTH NETWORK Node Oaks-038C**
Latitude/Longitude:	**37.861250, -122.232028**

Dear City Planner,

On behalf of ExteNet Systems (California) LLC, this letter and attached materials are to apply for a design review permit to install a small cell node in the public right-of-way near 1138 Drury Road ("Node Oaks-038C").[1] The following is an explanation of the existing site, a project description of the designed facility, the project purpose and justifications in support of this proposal.

A. Project Description.

The proposed location for our facility currently consists of an approximate 25 foot tall metal pole in the public right-of-way on the south of Drury Road just east of the intersection with Besito Avenue, at about 1138 Drury Road.

ExteNet proposes to swap the existing metal street light pole for a new pole measuring 39 feet above ground and to affix two panel antennae on top of the pole. The antenna, measuring 26.7 inches high, 10.8 inches wide and 6.2 inches deep, will be placed on top of the pole at approximately 38 feet. The top of the antenna will be at 39 feet 6 inches. One equipment shroud measuring 8 feet long, 2 feet wide and 2 feet deep will be placed on the pole at 12 feet. A proposed safety switch box measuring 9 5/8 inches tall, 7 ¼ inches wide and 2 7/8 inches deep will be placed on the pole next to a meter socket measuring 2 feet tall, 12 inches wide and 4 7/8 inches deep at approximately 8 feet. All equipment will be painted to match the pole. Our proposal is depicted in the attached design drawings and photographic simulations.

This is an unmanned facility that will operate at all times (24 hours per day, seven days per week) and will be serviced about once per year. Our proposal will greatly benefit the area by improving wireless telecommunications service as detailed below.

[1] ExteNet expressly reserves all rights concerning the city's jurisdiction to assert zoning regulation over the placement of wireless facilities in the public rights-of-way.

B. Project Purpose.

The purpose of this project is to provide Carrier wireless voice and data coverage to the surrounding area where there is currently a significant gap in service coverage. These wireless services include mobile telephone, wireless broadband, emergency 911, data transfers, electronic mail, Internet, web browsing, wireless applications, wireless mapping and video streaming. The proposed node is part of a larger small cell providing coverage to areas of Oakland that are otherwise very difficult or impossible to cover using traditional macro wireless telecommunications facilities due to the local topography and mature vegetation. The attached radio frequency propagation maps depict Carrier's larger small cell project. Further radio frequency details are set forth in the attached Radio Frequency Statement, including propagation maps depicting existing and proposed coverage in the vicinity of Node Oaks-038C.

A small cell network consists of a series of radio access nodes connected to small telecommunications antennas, typically mounted on existing poles within the public rights-of-way, to distribute wireless telecommunications signals. Small cell networks provide telecommunications transmission infrastructure for use by wireless services providers. These facilities allow service providers such as Carrier to establish or expand their network coverage and capacity. The nodes are linked by fiber optic cables that carry the signal stemming from a central equipment hub to a node antenna. Although the signal propagated from a node antenna spans over a shorter range than a conventional tower system, small cell can be an effective tool to close service coverage gaps.

C. Project Justification, Alternative Site and Design Analysis.

Node Oaks-038C is an integral part of the overall small cell project, and it is located in a difficult coverage area near Amito Drive. The coverage area consists of a primarily residential neighborhood off of Drury Road, Besito Avenue, Darthmouth Drive, Amito Drive, and surrounding areas. Node Oaks-038C will cover transient traffic along the roadways and provide in-building service to the surrounding residences as depicted in the propagation maps, which are exhibits to the attached Radio Frequency Statement.

Based on ExteNet's analysis of alternative sites the currently proposed Node Oaks-038C is the least intrusive means to close Carrier's significant service coverage gap in the area. Node Oaks-038C best uses existing utility infrastructure, adding small equipment without disturbing the character of the neighborhoods served. Deploying a small cell node at an existing pole location minimizes any visual impact by utilizing an inconspicuous spot. By installing antennas and equipment at this existing pole location, Carrier does not need to propose any new infrastructure in this coverage area.

The small cell node RF emissions are also much lower than the typical macro site, they are appropriate for the area, and they are fully compliant with the FCC's requirements for limiting human exposure to radio frequency energy. The attached radio frequency engineering analysis provided by Hammett & Edison, Inc., Consulting Engineers, confirms that the proposed equipment will operate well within (and actually far below) all applicable FCC public exposure limits. The facility will also comply with California Public Utility Commission (CPUC) General Order 170 (CEQA review) that governs utility use in the public right-of-way.

This proposed redesign is a viable design developed according to our discussions with the Planning Department. As discussed with City Planning, Node Oaks-038C is the least intrusive option. Also the proposed location is a good coverage option because it sits at a spot from which point Carrier can adequately propagate its wireless signal.

ExteNet considered alternative sites on other poles in this area but none of these sites is as desirable from construction, coverage or aesthetics perspectives. The proposed location is approximately equidistant from other small cell nodes that ExteNet plans to place in surrounding hard-to-reach areas, so that service coverage can be evenly distributed. The proposed facility is not in the path of any protected view sheds. The other poles in the area are more conspicuous than the proposed pole. In addition to the pole proposed to host Node Oaks-038C, ExteNet considered alternative sites set forth in the attached Alternative Site Analysis.

Alternative designs were considered including placing equipment inside of a ground-mounted cabinet. However, the pole-mounted equipment would better suit the area because it would blend in with the pole. We also evaluated whether equipment could be undergrounded but unfortunately this is not possible because there is insufficient right-of-way space for the necessary equipment access and the equipment would be compromised from saturation by rainwater. The antennas cannot be undergrounded because they rely on a line-of-site in order to properly transmit a signal.

Drawings, propagation maps, photographic simulations, and a radio-frequency engineering analysis are included with this packet.

As this application seeks authority to install a wireless telecommunication facility, the FCC's Shot Clock Order[2] requires the city to issue its final decision on ExteNet's application within 150 days. We respectfully request expedited review and approval of this application. Feel free to contact me if you have any questions. Thank you.

Thank you.

Best Regards,

Ana Gomez/BV for ExteNet

Ana Gomez
Permitting Agent for ExteNet Systems

[2] *See* Petition for Declaratory Ruling to Clarify Provisions of Section 332(c)(7)(B), WT Docket No. 08-165, Declaratory Ruling, 24 F.C.C.R. 13994 (2009).

Rethink Possible®

DAS Node OAKS-038C
PLN17372 | 1138 Drury Road
Alternative Site Analysis

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

MAP OF ALTERNATIVE POLES EVALUATED FOR NODE OAKS-038C



- The above maps depict ExteNet's proposed Node Oaks-038C in relation to other poles in the area that were evaluated as possibly being viable alternative candidates.
- The following is an analysis of each of those 12 alternative locations.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

DAS Node OAKS-038C – Proposed Location



- The location for ExteNet's proposed Node Oaks-038C is a metal light pole located adjacent to PROW 1138 Drury Road (37.861250, -122.232028).
- ExteNet's objective is to provide ATT wireless coverage and capacity as well as high speed wireless internet to the Oakland area.
- ExteNet evaluated this site and nearby alternatives to verify that the selected site is the least intrusive means to close ATT's significant service coverage gap.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

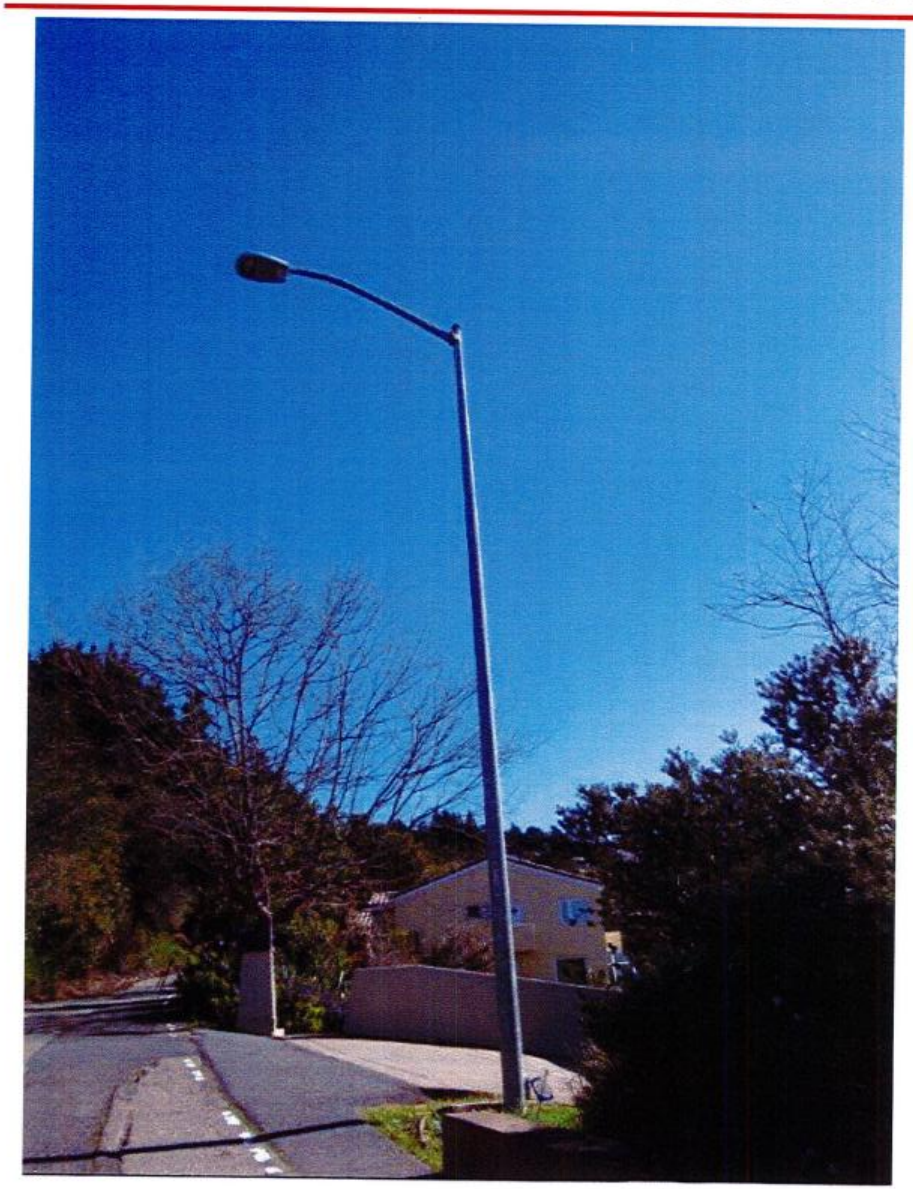
Alternative DAS Node OAKS-038A



- Node Oaks-038A is a metal light pole located adjacent to PROW 11 Dartmouth Drive (37.861412, -122.231969)
- This pole is not a viable alternative because the signal will be blocked by a hill.
- This pole is not a viable alternative and it is more intrusive than the current proposed location because it is located in front of a residence.
- This pole is not a viable alternative because the location will not address the service cell coverage gap.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

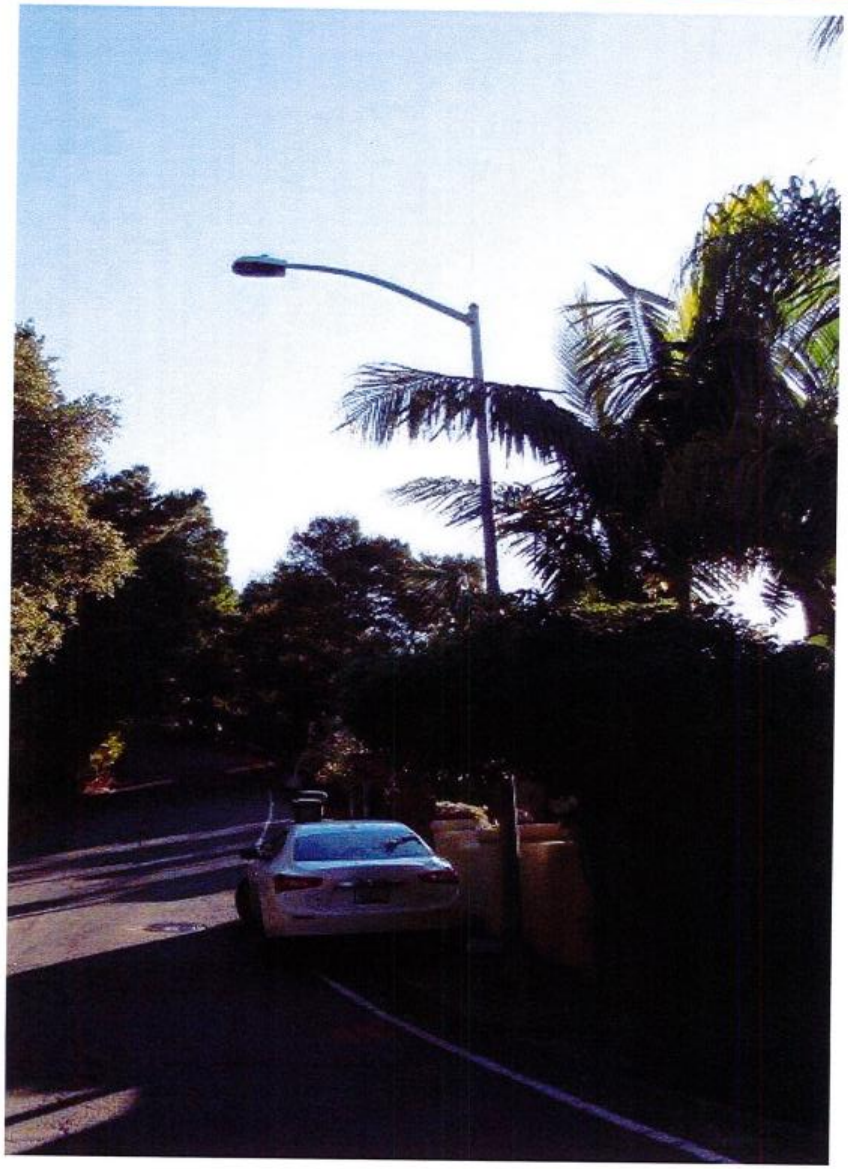
Alternative DAS Node OAKS-038B



- Node Oaks-038B is a metal light pole located adjacent to PROW 1213 Drury Road (37.861249, -122.231099)
- This pole is not a viable alternative because the signal will be blocked by the terrain.
- This pole is not a viable alternative because the location of the pole is too far from the primary candidate to address the service cell coverage gap.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

Alternative DAS Node OAKS-038D



- Node Oaks-038D is a metal light pole located adjacent to PROW 1225 Drury Road (37.861468, -122.230679)
- This pole is not a viable alternative because the signal will be blocked by the terrain.
- This pole is not a viable alternative because the location of the pole is too far from the primary candidate to address the service cell coverage gap.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

Alternative DAS Node OAKS-038E



- Node Oaks-038E is a metal light pole located adjacent to PROW 1092 Amito Avenue (37.861544, -122.232490)
- This pole is not a viable alternative because the signal will be blocked by the terrain.
- This pole is not a viable alternative because it is an ornamental-decorative pole that will need to be replaced by a taller and more intrusive standard light pole.
- This pole is not a viable alternative because the location of the pole is at a lower elevation than the primary candidate and will require a much taller and intrusive pole to address the service cell coverage gap.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

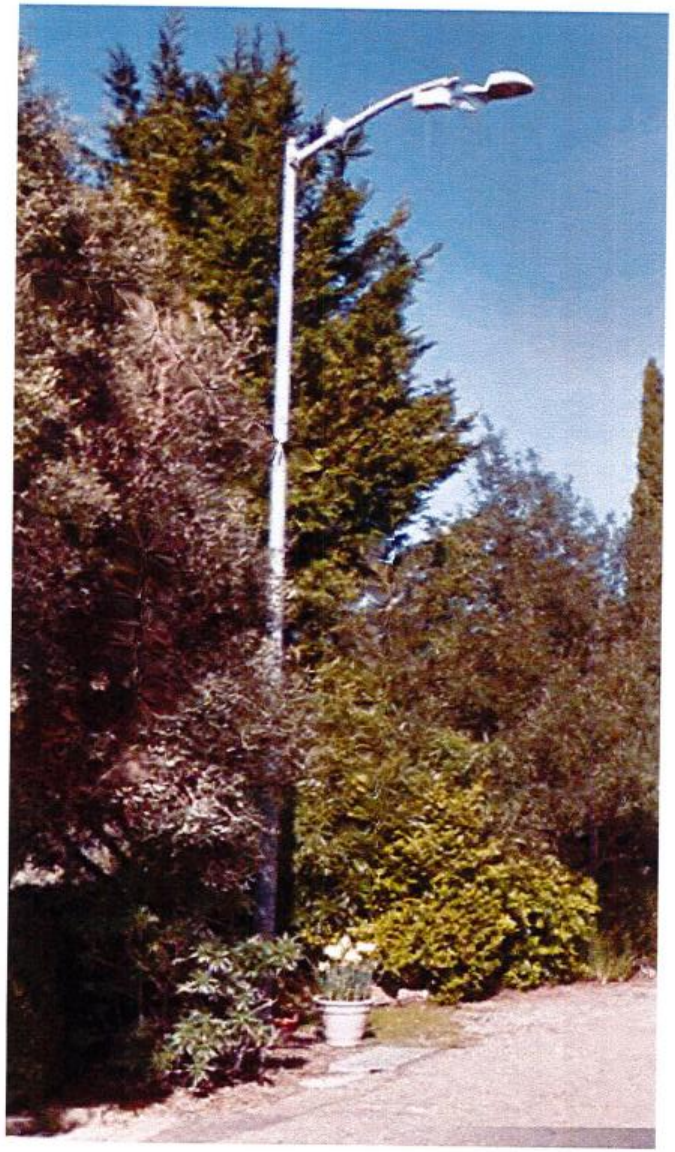
Alternative DAS Node OAKS-038F



- Node Oaks-038F is a metal light pole located adjacent to PROW 1036 Amito Avenue (37.860725, -122.233397)
- This pole is not a viable alternative because the signal will be blocked by the terrain.
- This pole is not a viable alternative because the location of the pole is too far from the primary candidate to address the service cell coverage gap.
- This pole is not a viable alternative because it is an ornamental-decorative pole that will need to be replaced by a taller and more intrusive standard light pole.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

Alternative DAS Node OAKS-038G



- Node Oaks-038G is a metal light pole located adjacent to PROW 11 Chancellor Place (37.862439, -122.230016)
- This pole is not a viable alternative because the location of the pole is too far from the primary candidate to address the service cell coverage gap.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

Alternative DAS Node OAKS-038H



- Node Oaks-038H is a metal light pole located adjacent to PROW 1271 Drury Road (37.861942, -122.229008)
- This pole is not a viable alternative because the location of the pole is too far from the primary candidate to address the service cell coverage gap.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

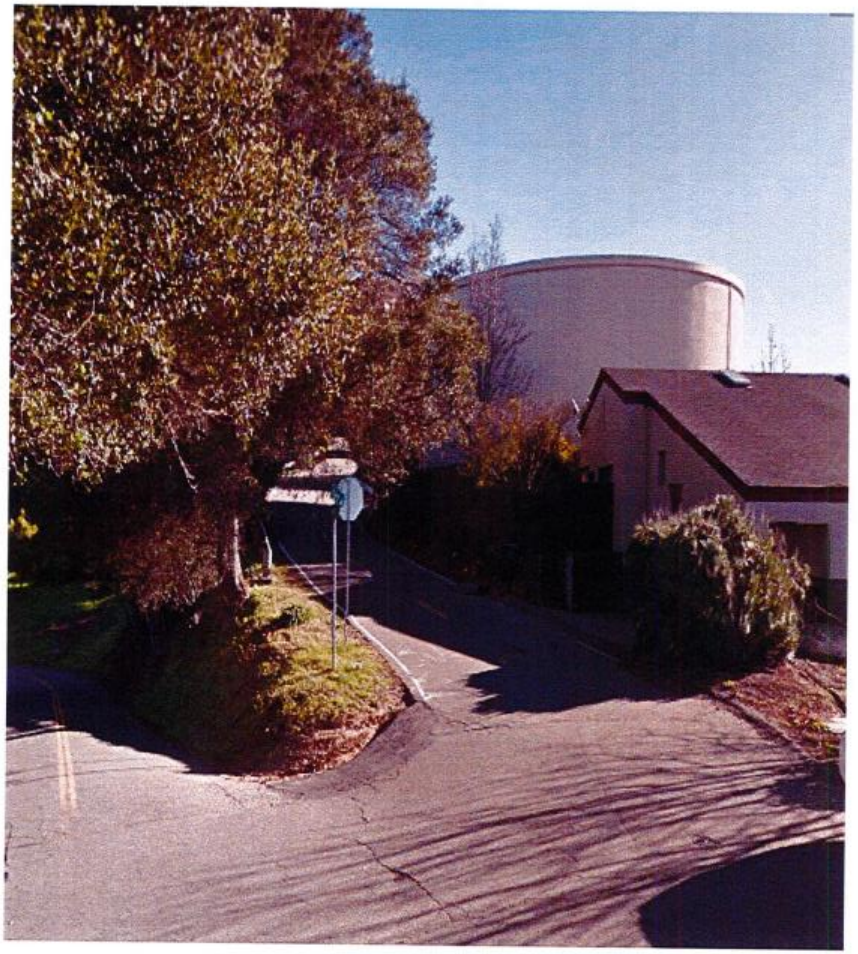
Alternative DAS Node OAKS-038I



- Node Oaks-038I is a metal light pole located adjacent to PROW 1055 Drury Road (37.860951, -122.232995)
- This pole is not a viable alternative because the signal will be blocked by the terrain.
- This pole is not a viable alternative because the location of the pole is too far from the primary candidate to address the service cell coverage gap.
- This pole is not a viable alternative because it is an ornamental-decorative pole that will need to be replaced by a taller and more intrusive standard light pole.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

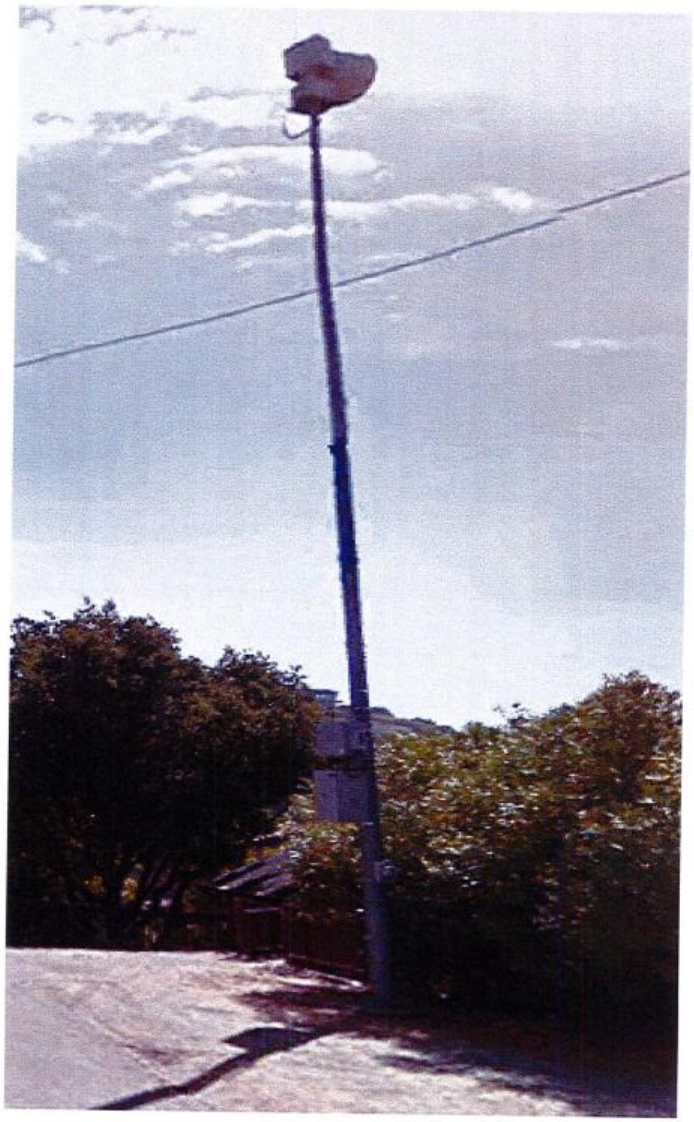
Alternative DAS Node OAKS-038J



- Node Oaks-038J is a raw land plot in the PROW at the intersection of Amito Avenue and Drury Road (37.860987, -122.232834)
- This candidate is not a viable alternative because a new metal pole would need to be placed at this location thus making it more intrusive than the proposed primary candidate.
- This candidate is not a viable alternative because the location is too far from the primary candidate to address the service cell coverage gap.
- This candidate is not a viable alternative because the location is at a lower elevation than the primary candidate and will require a much taller and intrusive pole to address the service cell coverage gap.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

Alternative DAS Node OAKS-038K



- Node Oaks-038K is a metal siren pole located adjacent to PROW 1076 Amito Avenue (37.861150, -122.232191)
- This pole is not a viable alternate because the existing equipment on the pole does not allow sufficient space for the proposed equipment.
- This pole is not a viable alternative because it will need to be replaced by a taller, substantially wider and more intrusive metal pole.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

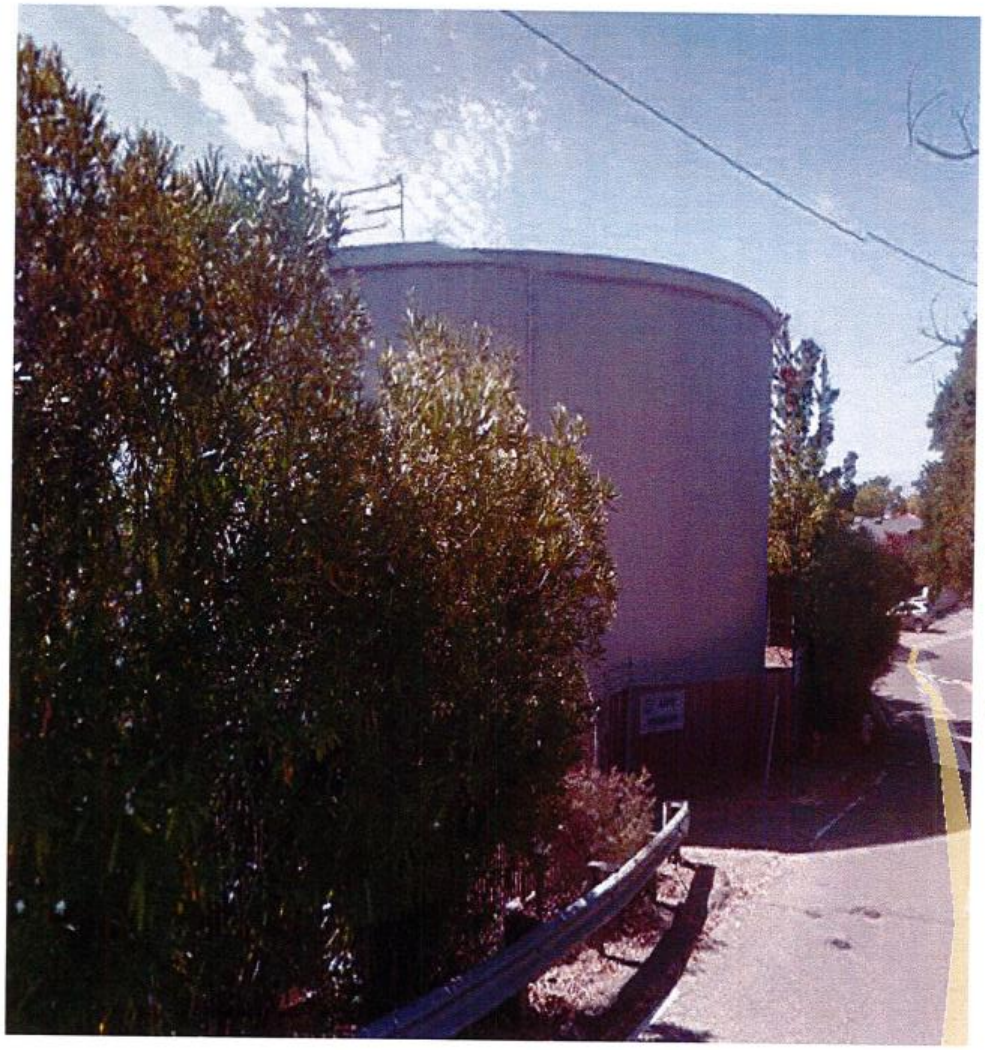
Alternative DAS Node OAKS-038L



- Node Oaks-038L is a metal pole located adjacent to PROW 1076 Amito Avenue (37.861164, -122.232076)
- This pole is not viable because it does not adequately address the service coverage gap.
- This pole is not a viable alternate because it will need to be replaced by a taller and more intrusive metal pole.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

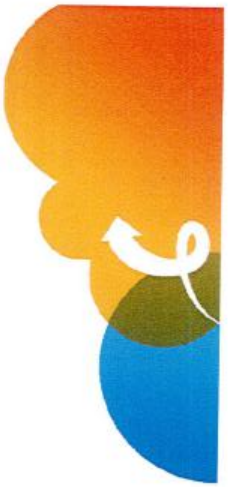
Alternative DAS Node OAKS-038M



- Node Oaks-038M is a raw land plot at a water tank property adjacent to 1076 Amito Avenue (37.860998, -122.232262)
- This candidate is not a viable alternative because a new metal pole would need to be placed at this location thus making it more intrusive than the proposed primary candidate.
- This candidate is not a viable alternative because the location is at a lower elevation than the primary candidate and will require a much taller and intrusive pole to address the service cell coverage gap.
- This candidate is not a viable alternative because the location is too far from the primary candidate to address the service cell coverage gap.
- This location is not a viable alternative because the signal will be blocked by the terrain.

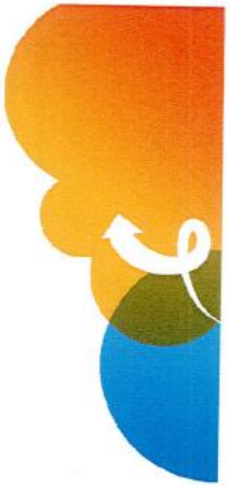
© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

DAS Node OAKS-038C – Alternative Site Analysis Conclusion



Based on ExteNet's analysis of alternative sites, the currently proposed Node Oaks-038C is the least intrusive location from which to fill the surrounding significant wireless coverage gaps.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.



OAKS-038C: 37.861250°, -122.232028° **(Proposed Site)**

OAKS-038A: 37.867412°, -122.231969°
OAKS-038B: 37.861249°, -122.231099°
OAKS-038D: 37.861468°, -122.230679°
OAKS-038E: 37.861544°, -122.232490°
OAKS-038F: 37.860725°, -122.233397°
OAKS-038G: 37.862439, -122.230016
OAKS-038H: 37.861942, -122.229008
OAKS-038I: 37.860951, -122.232995
OAKS-038J: 37.860987, -122.232834
OAKS-038K: 37.861150, -122.232191
OAKS-038L: 37.861164, -122.232076
OAKS-038M: 37.860998, -122.232262

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

Accela record dated September 18, 2018

PLN17374 - Major CUP for Monopole in r-o-w adj. to 1138 Drury Rd. (AT&T)

Menu Save Reset Update View Log Reports Help

The Record updated successfully.

Record #
PLN17374

Opened Date
09/18/2017

Status
Under Review

Type
Planning/Applications/Zoning/Development Permit

Application Name
Major CUP for Monopole in r-o-w adj. to 1138 Drury Rd. (AT&T)

Assigned to Department Current Department
Building

Assigned to Staff Current User
ACTIVENET_USR

Description
Major CUP / Reg DR / Variance for Monopole in public r-o-w adj. to 1138 Drury Rd. (AT&T) RH-4 zone.

check spelling

Total Invoiced
9,701.63

Total Paid
9,701.63

Balance
0.00

System ID
17PLN-00000-00588

RF Report by Hammett & Edison dated October 2, 2017

AT&T Mobility • Proposed DAS Node (Site No. OAKS-038C)
Besito Avenue and Drury Road • Oakland, California

Statement of Hammett & Edison, Inc., Consulting Engineers

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained on behalf of AT&T Mobility, a personal wireless telecommunications carrier, to evaluate the addition of Node No. OAKS-038C to be added to the AT&T distributed antenna system ("DAS") in the Oakland Hills area of Oakland, California, for compliance with appropriate guidelines limiting human exposure to radio frequency ("RF") electromagnetic fields.

Executive Summary

AT&T proposes to install two directional panel antennas on a replacement light pole to be sited in the public right-of-way at the intersection of Besito Avenue and Drury Road in Oakland. 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)	5,000–80,000 MHz	5.00 mW/cm^2	1.00 mW/cm^2
BRS (Broadband Radio)	2,600	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	2.35	0.47
[most restrictive frequency range]	30–300	1.00	0.20

General Facility Requirements

Wireless nodes typically consist of two distinct parts: the electronic transceivers (also called "radios" or "channels") that are connected to a central "hub" (which in turn are connected to the traditional wired telephone lines), and the passive antenna(s) that send the wireless signals created by the radios out to be received by individual subscriber units. The radios are often located on the same pole as the antennas and are connected to the antennas by coaxial cables. 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 attached 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 AT&T, including drawings by PCD Corporation, dated June 29, 2017, it is proposed to install two Kathrein Model 840-10525, 2-foot tall, directional panel antennas on top of a new light pole to replace the existing light pole sited in the public right-of-way at the east corner of the intersection of Besito Avenue with Drury Road in the Oakland Hills area of Oakland. The antennas would employ no downtilt, would be mounted at an effective height of about 38½ feet above ground, and would be oriented toward 60°T and 140°T. The maximum effective radiated power in any direction would be 219 watts, representing simultaneous operation of 104 watts for PCS, 61 watts for cellular, and 54 watts for 700 MHz service. There are reported no other wireless telecommunications base stations at this site or nearby.

Study Results

For a person anywhere at ground, the maximum RF exposure level due to the proposed AT&T operation is calculated to be 0.0069 mW/cm^2, which is 1.1% of the applicable public exposure limit. The maximum calculated level at any nearby building would be 0.87% of the public exposure 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 location and height, the AT&T antennas would not be accessible to the general public, 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 be provided to all authorized personnel who have access to the antennas. No access within 3 feet directly in front of the antennas themselves, such as might occur during certain maintenance activities, should be allowed while the node is in operation, unless other measures can be demonstrated to ensure that occupational protection requirements are met. Posting explanatory signs* on the pole at or below the antennas, such that the signs would be readily visible from any angle of approach to persons who might need to work within that distance, would be sufficient to meet FCC-adopted guidelines.

Conclusion

Based on the information and analysis above, it is the undersigned's professional opinion that operation of the node proposed by AT&T Mobility, at Besito Avenue and Drury Road in Oakland, 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 wireless nodes.

Authorship

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration No. E-18063, which expires 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.



Rajat Mathur, P.E.
707/996-5200

October 2, 2017

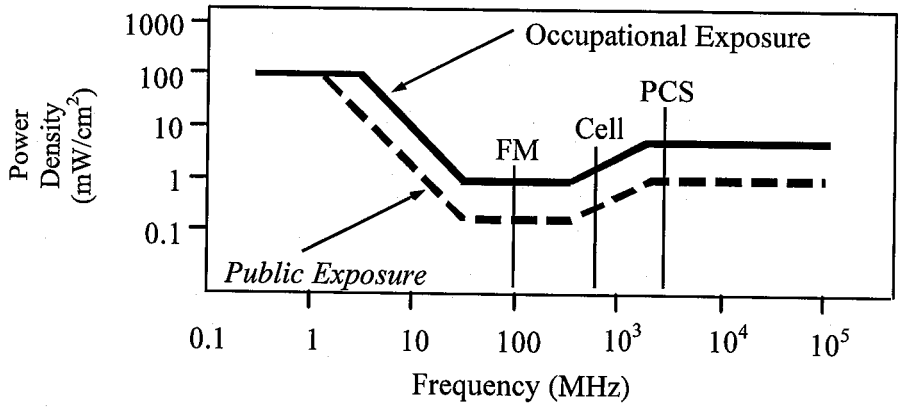
* Signs should comply with OET-65 color, symbol, and content recommendations. Contact information should be provided (*e.g.*, a telephone number) to arrange for access to restricted areas. The selection of language(s) is not an engineering matter, and guidance from the landlord, local zoning or health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

FCC Radio Frequency Protection Guide

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.

RFR.CALC™ Calculation Methodology

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.

AT&T Radio Frequency Statement

DAS Node Oaks-038C: Light Pole in Public Right-of-Way

1193 Drury Road, Oakland, CA, 94705

I am the radio frequency (RF) engineer assigned to the proposed wireless telecommunications facility ("Node Oaks-038C"), which is a DAS Node to be located on a metal light pole in the public right-of-way adjacent to 1193 Drury Road, Oakland, CA, 94705 (the "Property"). Based on my knowledge of the Property and with AT&T's wireless network, as well as my review of AT&T's records with respect to the Property and its wireless telecommunications facilities in the surrounding areas, I have concluded that the work associated with this permit request is needed to address wireless capacity needs in the area surrounding the Property.

AT&T's existing macro cell network facilities currently do not adequately serve its customers' capacity needs in this area. Existing macro cells are experiencing, or will be experiencing shortly, voice and data congestion. To stay ahead of the customer's needs for voice and data, AT&T needs to construct a new DAS wireless telecommunications facility. This facility will off-load voice and data traffic from adjacent macro cells. The additional capacity will result in better user access to the network, improved voice quality, higher data rates and lower latency when using data services. This DAS proposal is essential to resolving capacity challenges created by the rapidly growing consumer reliance on wireless devices. AT&T targets the design and placement of DAS networks to ensure customers receive reliable service quality.

Engineers at AT&T use various data sources and tools to determine the need for DASs. These include statistical reports that show which sites are congested; call geo-data reports that show geographically where subscriber calls are concentrated; and population density maps that indicate where subscribers are likely to use their mobile devices. After the areas are identified that require traffic offloading, propagation modeling tools are used, along with actual field drive data, to place the DASs in the optimal locations to carry voice and data traffic. The propagation tools contain terrain and clutter databases that allow for the simulation of signal propagation.

Name - AT&T RF Engineer

October 2, 2017

AT&T Radio Frequency Statement

DAS Node Oaks-038C: Metal Light Pole in Public Right-of-Way

1193 Drury Road, Oakland, CA, 94705

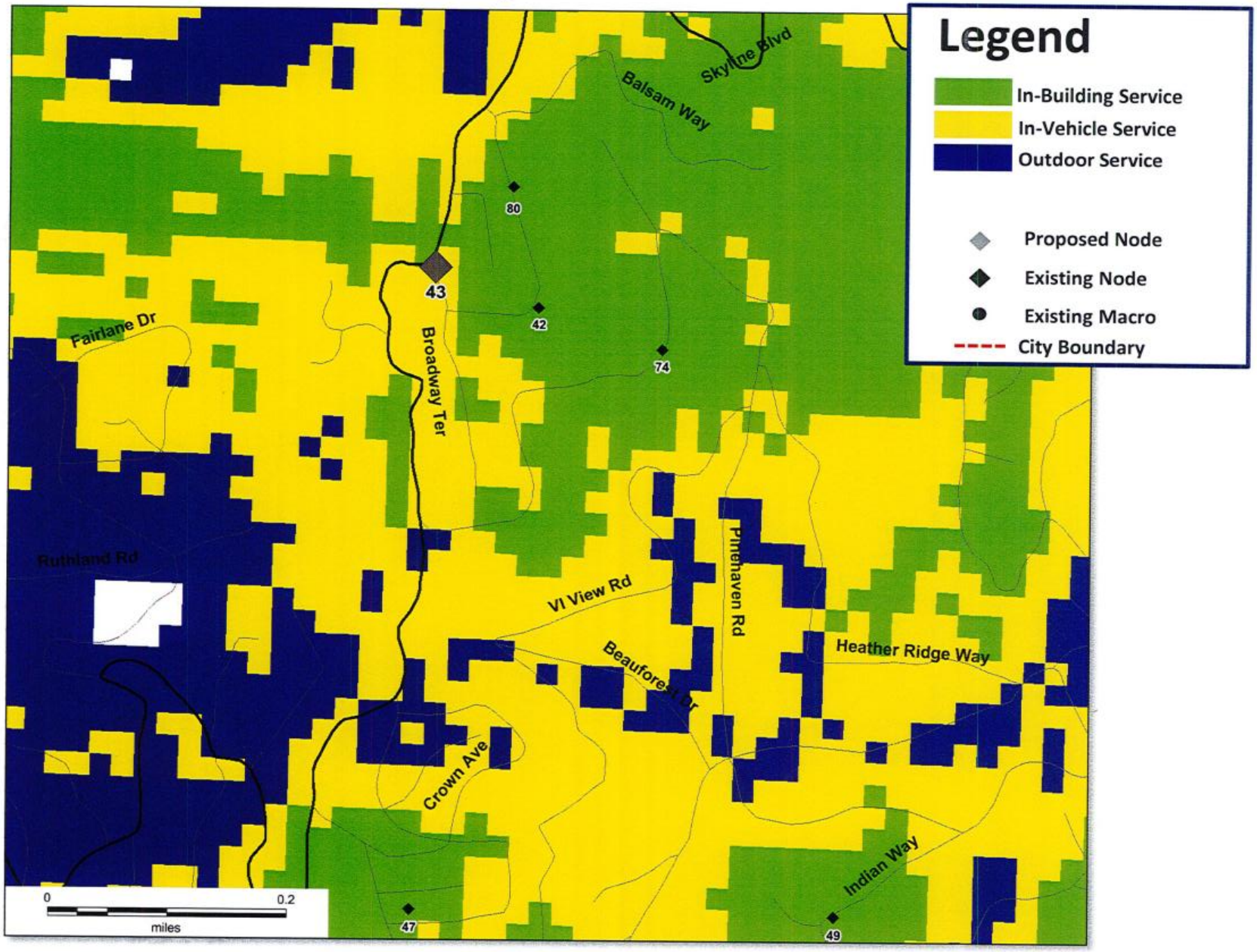
I am the radio frequency (RF) engineer assigned to the proposed wireless telecommunications facility ("Node Oaks-038C"), which is a DAS Node to be located on a metal light pole in the public right-of-way adjacent to 1193 Drury Road, Oakland, CA, 94705 (the "Property"). The current pole location is the best location to address the service coverage objectives. However, due to the surrounding clutter and topography, including adjacent tall trees, a taller and wider pole is needed in order to meet the coverage objective and construction requirements.

Name - AT&T RF Engineer

October 2, 2017

Existing UMTS 850 Coverage

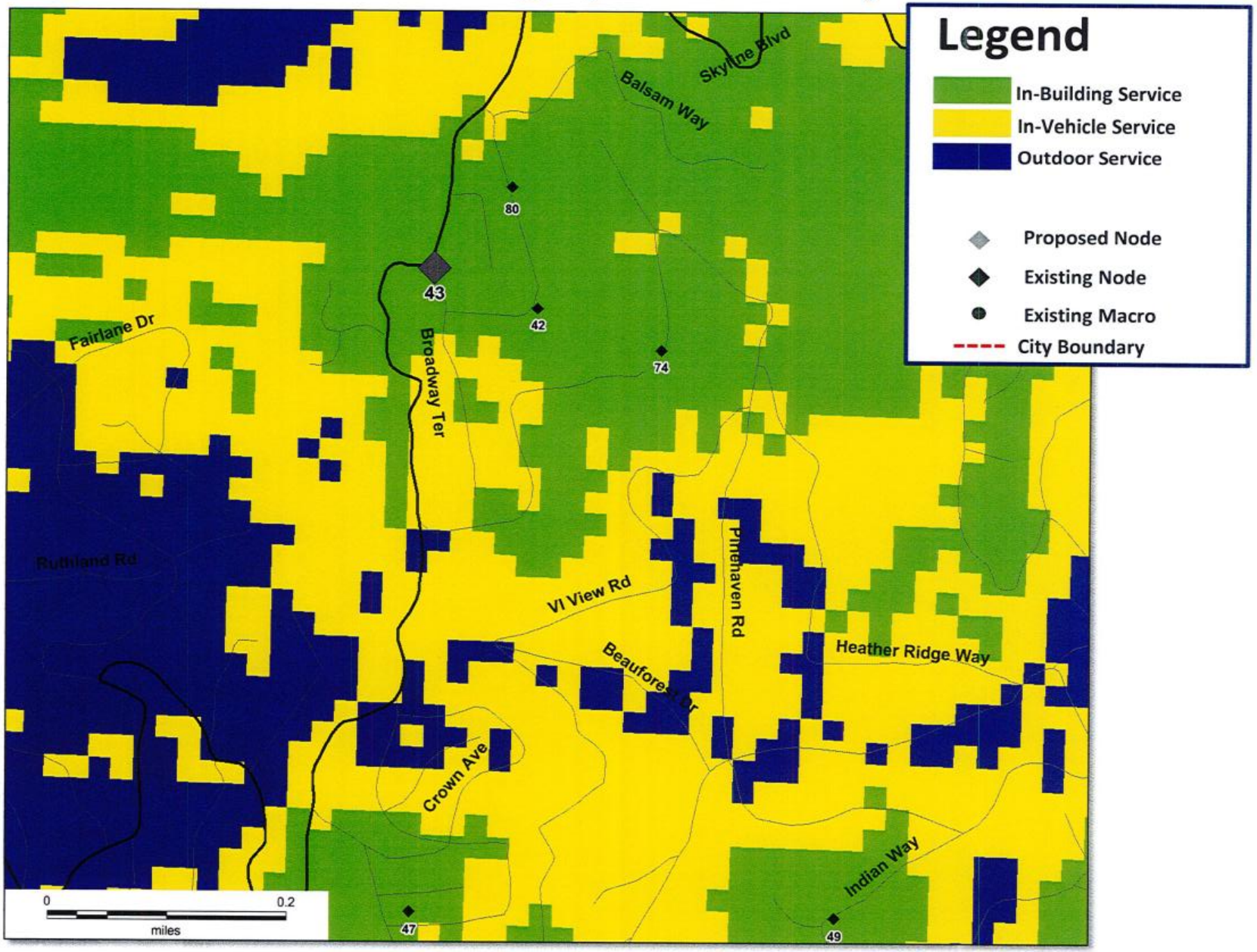
Exhibit 2



at&t

Exhibit 3

Proposed UMTS 850 Coverage (With Node 43)



October 24th , 2017

at&t

Letter RE: Noise by Hammett & Edison dated November 17, 2017

HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
BROADCAST & WIRELESS

WILLIAM F. HAMMETT, P.E.
RAJAT MATHUR, P.E.
ROBERT P. SMITH, JR.
NEIL J. OLIJ, P.E.
AMELIA NGAI
MANAS REDDY

ROBERT L. HAMMETT, P.E.
1920-2002
EDWARD EDISON, P.E.
1920-2009

DANE E. ERICKSEN, P.E.
ANDREA L. BRIGHT, P.E.
CONSULTANTS

BY E-MAIL CLINDSAY@EXTENETSYSTEMS.COM

November 17, 2017

Mr. Charles Lindsay
ExteNet Systems (California) LLC
2000 Crow Canyon Place
Suite 210
San Ramon, California 94583

Dear Charles:

As you requested, we have evaluated the noise emissions from the proposed AT&T Mobility node (Site No. OAKS-038C) proposed to be located on a light pole in the public right-of-way at the east corner of the intersection of Besito Avenue and Drury Road in Oakland. The noise source at the site is a cabinet on the pole housing a CommScope FlexWave Prism FP4-100000E2111RU transmitter (with Enhanced Fan Shroud). Also on the pole are a meter/safety switch and a meter socket, neither of which has cooling fans. The nearest property line is located to the east, about 14 feet from the pole; that parcel is zoned "Residential." The applicable noise limits for residential areas in the City of Oakland (Section 17.120.050 of its Municipal Code) are 60 dBA daytime and 45 dBA at night.

CommScope reports that the maximum noise level from its Prism cabinet is 48 dBA, measured at a reference distance of 5 feet and applying for ambient temperatures not exceeding 114°F.* Based on this information, the maximum calculated noise level at the nearest property line is 39.1 dBA, well below the City's noise limits.

Please let us know if any questions arise on this analysis.

Sincerely yours,

William F. Hammett, P.E.

jp

cc: Mr. Lawrence Beer – BY E-MAIL LBEER@EXTENETSYSTEMS.COM
Ms. Ana Gomez-Abarca – BY E-MAIL GOMEZABARCAA@BV.COM

* The maximum recorded temperature in Oakland is 109°F, according to Intellicast.com as of November 14, 2017.

RF Report, follow-up, by Hammett & Edison dated March 15, 2018

AT&T Mobility • Proposed DAS Node (Site No. OAKS-038C)
Besito Avenue and Drury Road • Oakland, California

Statement of Hammett & Edison, Inc., Consulting Engineers

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained on behalf of AT&T Mobility, a personal wireless telecommunications carrier, to evaluate the addition of Node No. OAKS-038C to be added to the AT&T distributed antenna system ("DAS") in the Oakland Hills area of Oakland, California, for compliance with appropriate guidelines limiting human exposure to radio frequency ("RF") electromagnetic fields.

Executive Summary

AT&T proposes to install two directional panel antennas on a replacement light pole to be sited in the public right-of-way at the intersection of Besito Avenue and Drury Road in Oakland. 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)	5,000–80,000 MHz	5.00 mW/cm^2	1.00 mW/cm^2
BRS (Broadband Radio)	2,600	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	2.35	0.47
[most restrictive frequency range]	30–300	1.00	0.20

General Facility Requirements

Wireless nodes typically consist of two distinct parts: the electronic transceivers (also called "radios" or "channels") that are connected to a central "hub" (which in turn are connected to the traditional wired telephone lines), and the passive antenna(s) that send the wireless signals created by the radios out to be received by individual subscriber units. The radios are often located on the same pole as the antennas and are connected to the antennas by coaxial cables. 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 attached 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 AT&T, including drawings by PCD Corporation, dated January 8, 2018, it is proposed to install two Kathrein Model 840-10525, 2-foot tall, directional panel antennas on top of a new light pole to replace the existing light pole sited in the public right-of-way at the east corner of the intersection of Besito Avenue with Drury Road in the Oakland Hills area of Oakland. The antennas would employ no downtilt, would be mounted at an effective height of about 34 feet above ground, and would be oriented toward 60°T and 140°T. The maximum effective radiated power in any direction would be 219 watts, representing simultaneous operation of 104 watts for PCS, 61 watts for cellular, and 54 watts for 700 MHz service. There are reported no other wireless telecommunications base stations at this site or nearby.

Study Results

For a person anywhere at ground, the maximum RF exposure level due to the proposed AT&T operation is calculated to be 0.0077 mW/cm^2, which is 1.4% of the applicable public exposure limit. The maximum calculated level at any nearby building would be 0.87% of the public exposure 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 location and height, the AT&T antennas would not be accessible to the general public, 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 be provided to all authorized personnel who have access to the antennas. No access within 3 feet directly in front of the antennas themselves, such as might occur during certain maintenance activities, should be allowed while the node is in operation, unless other measures can be demonstrated to ensure that occupational protection requirements are met. Posting explanatory signs* on the pole at or below the antennas, such that the signs would be readily visible from any angle of approach to persons who might need to work within that distance, would be sufficient to meet FCC-adopted guidelines.

Conclusion

Based on the information and analysis above, it is the undersigned's professional opinion that operation of the node proposed by AT&T Mobility, at Besito Avenue and Drury Road in Oakland, 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 wireless nodes.

Authorship

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration No. E-18063, which expires 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.



Rajat Mathur, P.E.
707/996-5200

March 15, 2018

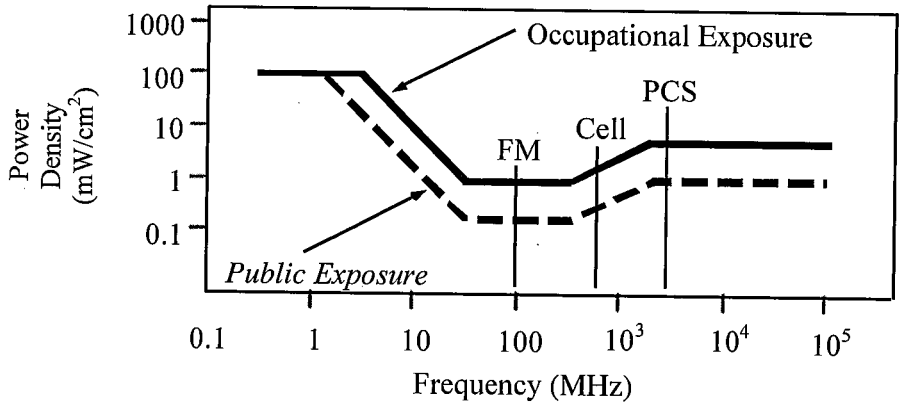
* Signs should comply with OET-65 color, symbol, and content recommendations. Contact information should be provided (*e.g.*, a telephone number) to arrange for access to restricted areas. The selection of language(s) is not an engineering matter, and guidance from the landlord, local zoning or health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

FCC Radio Frequency Protection Guide

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.

RFR.CALC™ Calculation Methodology

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.

AT&T Radio Frequency Statement

DAS Node Oaks- 038C: Light Pole in Public Right-of-Way near 1138 Drury Road, Oakland, CA, 94705

I am the radio frequency (RF) engineer assigned to the proposed wireless telecommunications facility ("Node Oaks-038C"), which is a distributed antenna system ("DAS") node to be located on a metal light pole in the public right-of-way adjacent to 1138 Drury Road Drive, Oakland, CA, 94705 (the "Property"). Based on my knowledge of the Property and with AT&T's wireless network, as well as my review of AT&T's records with respect to the Property and its wireless telecommunications facilities in the surrounding areas, I have concluded that the work associated with this permit request is needed to address wireless coverage and capacity needs in the area surrounding the Property.

The service coverage gap is caused by inadequate infrastructure in the area. As explained further in Exhibit 2, AT&T's existing facilities cannot adequately serve its customers in the desired area of coverage, let alone address rapidly increasing data usage. Moreover, 4G LTE service coverage has not yet been fully deployed in this area. To remedy this service coverage gap, AT&T needs to construct a new wireless telecommunications facility. The coverage area consists of a hilly Oakland Hills neighborhood along Drury Road stretching approximately from the intersection at Amito Drive to just before Chancellor Place and surrounding areas. These wireless services include LTE mobile telephone, wireless broadband, emergency 911, data transfers, electronic mail, Internet, web browsing, wireless applications, wireless mapping and video streaming.

AT&T uses industry standard propagation tools to identify the areas in its network where signal strength is too weak to provide reliable in-building service quality. This information is developed from many sources including statistical reports that show which sites are congested; call geo-data reports that show geographically where subscriber calls are concentrated; population density maps that indicate where subscribers are likely to use their mobile devices; terrain and clutter databases, which simulate the environment, and propagation models that simulate signal propagation in the presence of terrain and clutter variation. After the areas are identified that require traffic offloading, propagation modeling tools are used, along with actual field drive data, to place the DAS in the optimal locations to carry voice and data traffic. AT&T designs and builds its network to ensure customers receive reliable in-building service quality.

Exhibit 2 to this Statement is a map of the existing service coverage (without Node 038C) in the area at issue. It includes service coverage provided by existing AT&T sites. The green shaded areas depict areas with signal strength range that provide acceptable in-building service coverage. In-building coverage means customers are able to place or receive a call on the ground floor of a building. The yellow shaded areas depict areas within a signal range that provide acceptable in-vehicle coverage. In this area, an AT&T customer should be able to successfully place or receive a call within a vehicle. The blue shading depicts areas within a signal strength range in which a customer might have difficulty receiving a consistently acceptable level of service. The quality of service experienced by any individual can differ greatly depending on whether that customer is indoors, outdoors, stationary, or in transit.

Any area in the blue of yellow category is considered inadequate service coverage and constitutes a service coverage gap.

Exhibit 3 to this Statement is a map depicting the proposed service coverage In the vicinity of the Property if the Node 038C antennas are placed as proposed in the application. As shown by this map, placement of Node 038C closes the significant 3G service coverage gap in the area immediately surrounding the area.

In addition to these 3G wireless service gap issues; AT&T is in the process of deploying its 4G LTE service in Oakland with the goal of providing the most advanced personal wireless experience available to residents of the City. 4G LTE is capable of delivering speeds up to 10 times faster than industry-average 3G speeds. LTE technology also offers lower latency, or the processing time it takes to move data through a network, such as how long it takes to start downloading a webpage or file once a customer has sent the request. Lower latency helps to improve the quality of personal wireless services. What's more, LTE uses spectrum more efficiently than other technologies, creating more space to carry data traffic and services and to deliver a better overall network experience.

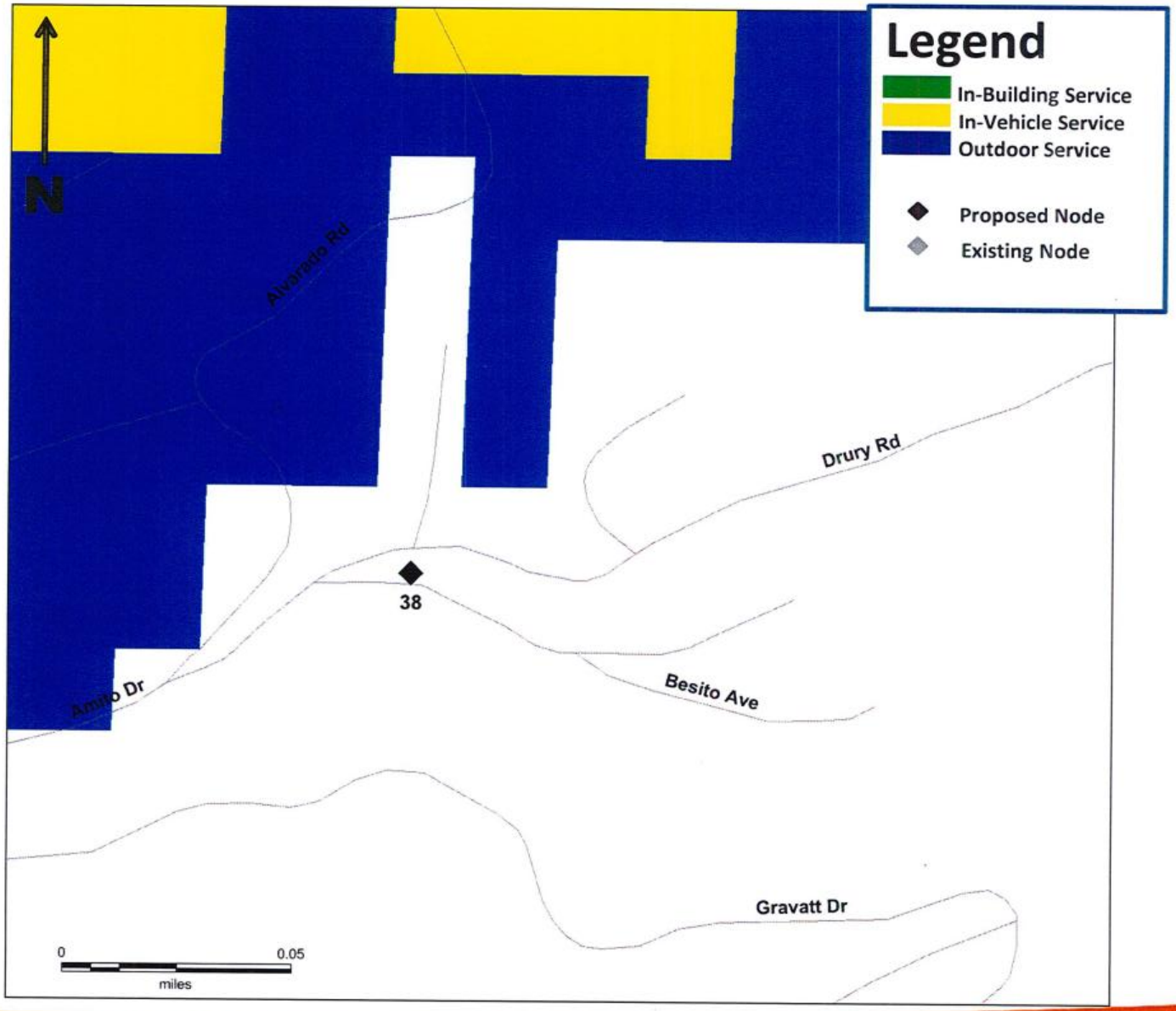
Exhibit 4 to this Statement is a map of the existing 4G LTE service coverage in the area surrounding the Property, and it shows a significant 4G LTE service coverage gap in the area. Exhibit 5 shows that after Node 038C is on air, 4G LTE service is available both indoors and outdoors in the area. This is important not only to bring 4G LTE to residents of Oakland but also because as existing customers migrate to 4G LTE, the LTE technology will provide the added benefit of reducing 3G data traffic, which can cause capacity issues on the UMTS (3G) network during peak usage periods, especially in light of the forecasted increase in usage.

I have Masters of Science Degree in Electrical Engineering from Villanova University, and I have worked as a radio frequency design engineer in the wireless communications industry for over 10 years.

Harsimran Kaur- AT&T
RF Engineer
March 02, 2018

Existing UMTS 850 Coverage

Exhibit 2

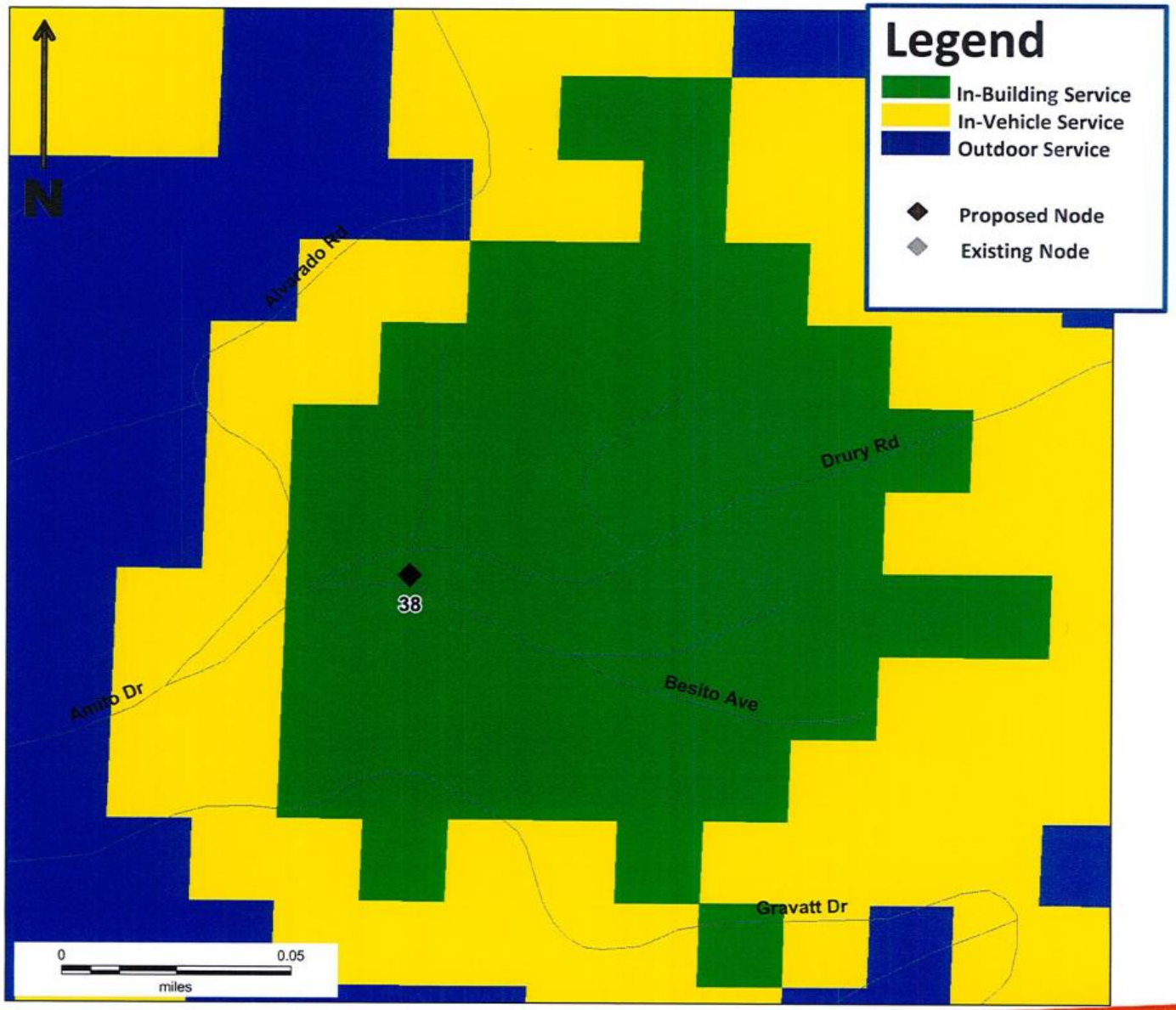


March 2, 2018

at&t

Proposed UMTS 850 Coverage (With Node 38)

Exhibit 3

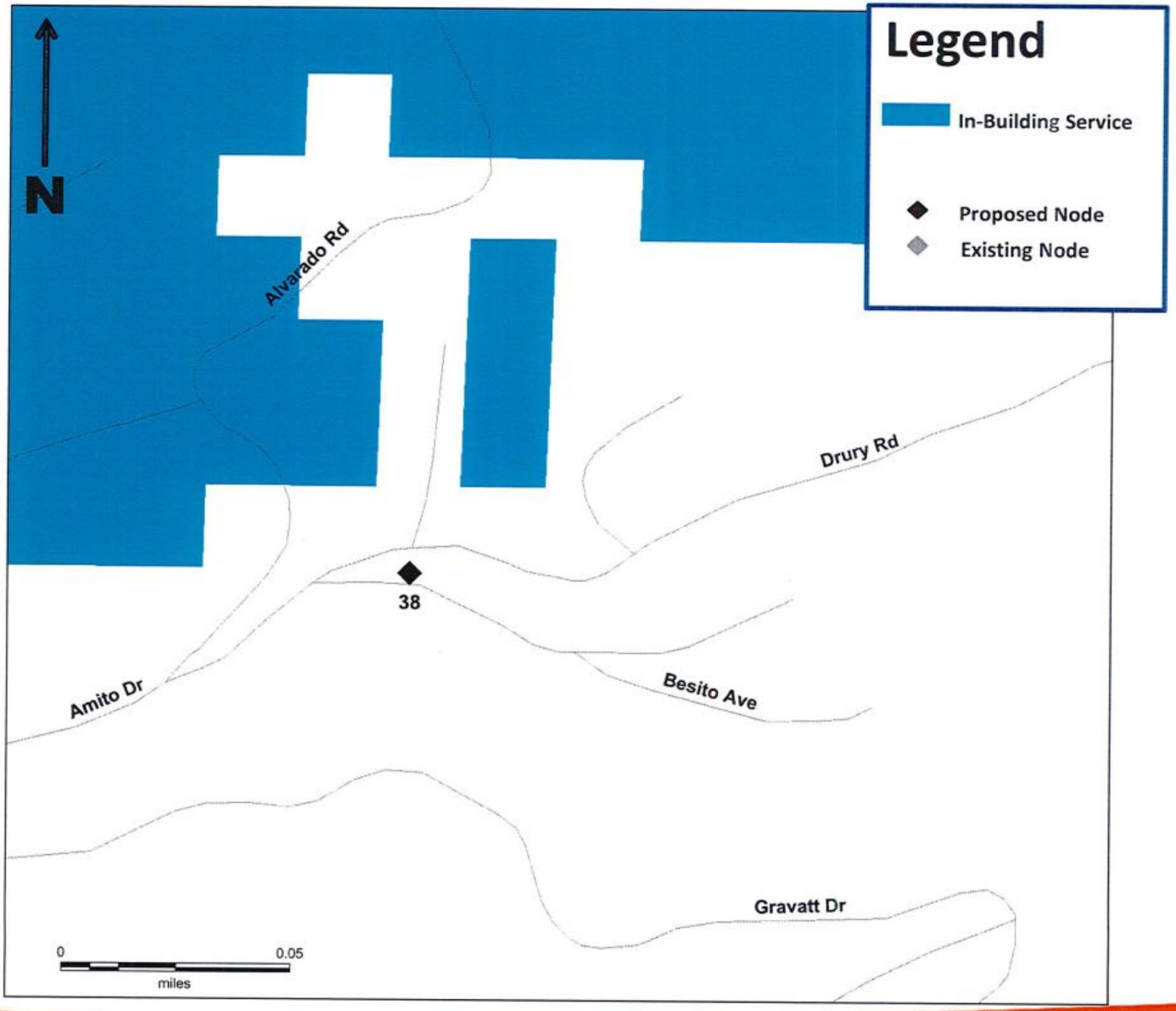


March 2, 2018

at&t

Existing LTE 700 Coverage

Exhibit 4

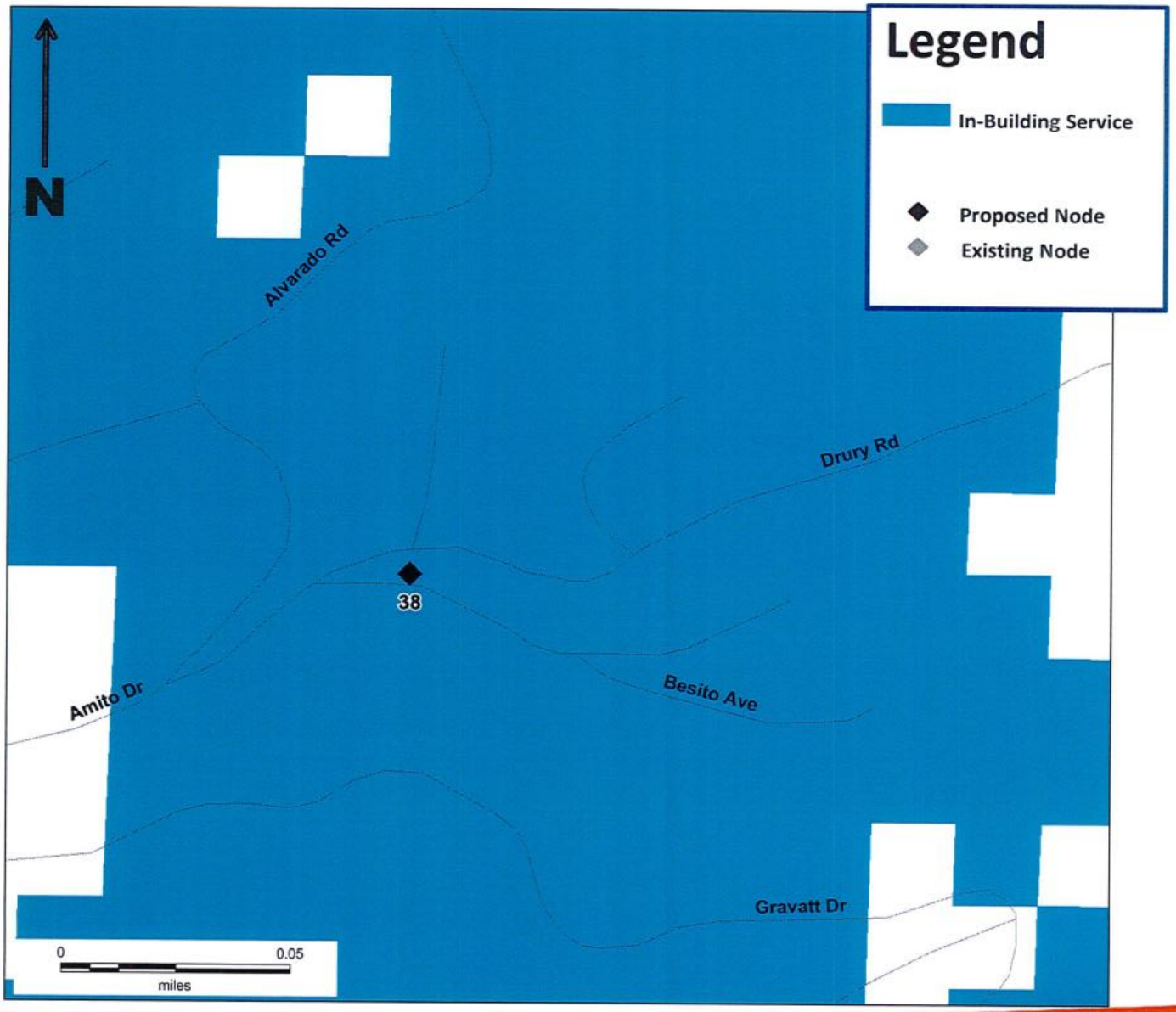


March 2, 2018

at&t

Proposed LTE 700 Coverage (With Node 38)

Exhibit 5



March 2 , 2018

at&t

Letter by Zoning Manager to Mr. Paul McGavin dated May 8, 2018

CITY OF OAKLAND

DALZIEL BUILDING ◦ 250 FRANK H. OGAWA PLAZA, SUITE 2114 ◦ OAKLAND, CALIFORNIA 94612-2032

Department of Planning and Building
Zoning Division

(510) 238-3911
FAX (510) 238-4730
TDD (510) 238-3254

May 8th, 2018

Paul McGavin
Octowired, LLC
1001 Bridgeway, Suite 150
Sausalito, CA 94965

Re: Public Records Act Request for Records related to Wireless Telecommunications Facilities (City of Oakland Records Request #18-591)

Dear Mr. McGavin:

City staff has reviewed your April 23, 2018 request for a number of classes of records related to applications submitted to the City for the placement, construction, modification or colocation of fiber optic cable and wireless telecommunication facilities, as well as related legislative materials, emails and written correspondence. By email dated 5/7/18, Administrative Analyst Victoria Chak transmitted seven responsive records through the City's Next Request system. It is my understanding that she followed up this transmittal with duplicate copies of these files in .eml format per your request. I further gather that you (as well as Lisa Applegate) have communicated separately via phone conversations and in person with various City of Oakland employees and officials with respect to this request. The purpose of this letter is to provide an update as to your renewed request for public records under Oakland Request Number #18-591.

I am informed that, following discussion of your request with Senior Deputy City Attorney Peter Spoerl over the telephone on May 7th, you declined to focus or narrow the initial parameters of your request. While the request does identify a number of broad classes of identifiable records, our review of the request will require the examination and review of a number of separate and distinct records, some of which may be exempt from disclosure under specific exemptions of the California Public Records Act. Your request identifies a wide array of records potentially in the City's possession which staff anticipates may generate a large volume of additional records subject to disclosure. Assembling all of the responsive records will require staff to search for and collect records from numerous offices and facilities. Additionally, your request requires the City to coordinate with the City's Information Technology department to construct a computer report to extract responsive emails (as explained by Cynthia Perkins by email dated May 7th, 2018). We will make these records available to you as "promptly" as is possible given the breadth of the request in accordance with the City's obligations under Government Code

6253(b). Accordingly, we expect to notify you of the volume of all non-exempt records that are responsive to your request, and to be able to make those records available for inspection during regular business hours (or through the City's NextRequest records request platform) no later than **Wednesday, May 23rd, 2018.**

In response to concerns you have communicated with respect to the pending Planning Commission hearing on DAS Node OAKS-038C (Oakland Case No. PLN17374), in order to allow you and your clients sufficient time to review any additional records that may be generated pursuant to your request, we will be continuing the item from its originally calendared date of May 16th, 2018 to a date certain of June 20th, 2018.

I trust that this letter responds to your April 23, 2018 public records request. Please let me know if you have any additional questions or concerns.

Very truly yours,

ROBERT D. MERKAMP
Interim Zoning Manager

cc: Lisa Applegate
Cynthia Perkins, Chief of Staff, Information Technology
Mariko Highsmith, Building Inspection
Aubrey Rose, AICP Planner III
Andrew Peterson, Chief Information Officer
Victoria Chak, Administrative Analyst
Thang Nguyen, Real Estate Agent
Peter Spoerl, Senior Deputy City Attorney
Bijal Patel, Special Counsel-Land Use and Real Estate Units
Lisa Maxwell, Deputy City Attorney
Clea Bennett, Paralegal

Letter, Response, by Hammett & Edison dated May 23, 2018

HAMMETT & EDISON, INC.
CONSULTING ENGINEERS
BROADCAST & WIRELESS

WILLIAM F. HAMMETT, P.E.
RAJAT MATHUR, P.E.
ROBERT P. SMITH, JR.
ANDREA L. BRIGHT, P.E.
NEIL J. OLIJ, P.E.
BRIAN F. PALMER
AMELIA NGAI
MANAS REDDY
M. DANIEL RO

ROBERT L. HAMMETT, P.E.
1920-2002
EDWARD EDISON, P.E.
1920-2009

DANE E. ERICKSEN, P.E.
CONSULTANT

BY EMAIL MDORSHORST.CTR@EXTENETSYSTEMS.COM

May 23, 2018

Mr. J.B. Dorshorst
ExteNet Systems LLC
3030 Warrenville Road, Suite 340
Lisle, Illinois 60532

Dear Mr. Dorshorst:

As you requested, I am responding to five questions posed by Mr. Paul McGavin, an activist in several Bay Area cities against wireless telecommunications, that he sent you by e-mail on May 8, 2018. The questions pertain to AT&T's proposal to install a new node in its Distributed Antenna System ("DAS") in the Oakland Hills area: Node No. OAKS-038C, near 1138 Drury Road. Those questions are identical to ones that Mr. McGavin had an Oakland resident send directly to me at the same time. The responses follow each question in turn:

1) The Hammett & Edison RF report states that the RF microwave radiation exposure analysis is based on the "drawings by PCD Corporation, dated June 29, 2017". Is the following image of the OAKS-038C installation design drawings the one on which you have based your RF microwave radiation exposure analysis?

Answer: Yes, June 29, 2017, is the date of the original drawings we received for the project, which we used in part to evaluate RF exposure conditions near the site, as summarized in our report dated October 2, 2017. I note that we received revised drawings, dated January 8, 2018, reflecting a design change, lowering the antenna by 4½ feet. These latter drawings were used for the revised study, summarized in our report dated March 15, 2018.

2) In the ERP calculations resulting in frequency-specific ERP totals of 104 watts (for 1950 MHz), 61 watts (for 870 MHz) and 54 watts (700 MHz), what is the method used to combine these three separate ERP totals into the single power density number that H&E reports: 69,000 μW/m², based on an average RF microwave radiation exposures?

Answer: Addition is the method for combining power density levels from the three frequency bands in which AT&T proposes to operate. At every point of calculation (on a 0.1-meter grid), the individual power densities are calculated for the three frequencies, and then those numbers are simply added, to arrive at the total power density at that calculation point. The program keeps track of the highest total at any of the thousands of calculation locations, which is the maximum level that we report: 0.0069 mW/cm^2 (matching the power density units in the FCC standard) for the initial study, 0.0077 mW/cm^2 for the revised study.

e-mail: bhammett@h-e.com
Delivery: 470 Third Street West • Sonoma, California 95476
Telephone: 707/996-5200 San Francisco • 707/996-5280 Fax • 202/396-5200 D.C.

3) May we please get from you the power density projection number for each of the individual frequencies planned for the OAKS-038C installation?
For 1950 MHz, when transmitting at an ERP of 104 Watts, how many ____ $\mu W/m^2$?
For 870 MHz, when transmitting at an ERP of 61 Watts, how many ____ $\mu W/m^2$?
For 700 MHz. when transmitting at an ERP of 54 Watts, how many ____ $\mu W/m^2$?

Answer: The question does not specify at which of the thousands of calculation locations the numbers are sought. At the location of the highest total for the revised study, the individual exposure levels are: 0.0010 mW/cm^2 at 1950 MHz, 0.0033 mW/cm^2 at 870 MHz, 0.0034 mW/cm^2 at 700 MHz.

4) If **X**, **Y** and **Z** = the antenna input power levels for each of the three frequencies that H&E used to calculate the component ERP totals -- Can you please tell me **what are X, Y and Z?**
X = _____ Watts of input power, which yields 104 watts of ERP for 1950 MHz
Y = _____ Watts of input power, which yields 61 watts of ERP for 870 MHz
Z = _____ Watts of input power, which yields 54 watts of ERP for 700 MHz

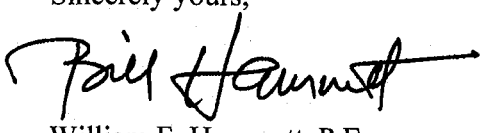
Answer: X= 7.6 watts, Y= 7.9 watts, and Z= 7.9 watts of antenna input power, reflecting the gain of the antenna (expressed for convenience here as power ratios) at the three frequencies: 13.65, 7.68, and 6.84 at 1950, 870, and 700 MHz, respectively.

5) The statement in the H&E report that "there are reported no other wireless telecommunications base stations at this site or nearby" seems to depend on the unstated definition of "nearby". The existing antennas surrounding the Claremont Canyon neighborhood are obviously contributing to the amount of RF microwave radiation in Claremont Canyon that already enable AT&T Phone calls. **Can you please tell us what RF microwave radiation emitting antennas are within a five mile radius of the target DAS-NODE OAKS-038C installation?**

Answer: The definition of "nearby" as used in the quoted context would be "close enough to make a significant contribution in terms of compliance with the FCC exposure guidelines." Due to the exponential rate at which power decreases with increasing distance (the "Inverse Square Law" from basic physics), as well as blockage by intervening terrain, vegetation, and structures, power density levels beyond a few hundred feet from an operating site drop to thousands of times below the FCC limit. Therefore, while the tuned receiver in a mobile phone might connect to AT&T base stations or DAS nodes at distances much greater, compliance with the FCC guidelines is unaffected by those facilities.

I trust that this information is suitably responsive to Mr. McGavin's questions. Please let us know if any further information is needed in this regard.

Sincerely yours,



William F. Hammett, P.E.

dm

Letter, Follow-up, by Zoning Manager to Mr. Paul McGavin dated May 25, 2018

CITY OF OAKLAND

DALZIEL BUILDING ◦ 250 FRANK H. OGAWA PLAZA, SUITE 2114 ◦ OAKLAND, CALIFORNIA 94612-2032

Department of Planning and Building
Zoning Division

(510) 238-3911
FAX (510) 238-4730
TDD (510) 238-3254

May 25th, 2018

Paul McGavin
Octowired, LLC
1001 Bridgeway, Suite 150
Sausalito, CA 94965

Re: Public Records Act Request for Records related to Wireless Telecommunications Facilities (City of Oakland Records Requests #18-590, #18-591 and #18-824) and City of Oakland Case No. PLN17374

Dear Mr. McGavin:

I am writing to follow up on my letter to you dated May 8th, 2018, in which I provided an estimated timeline for the City's production of public records responsive to the above-referenced requests for records under the California Public Records Act, California Government Code §§ 6250 *et seq* ("CPRA"), generally involving records relevant to the placement, construction, modification or colocation of fiber optic cable and wireless telecommunication facilities within the City of Oakland, as well as related legislative materials, emails and written correspondence. Additionally, I am writing to respond to the email you addressed to myself and City Attorney Chief of Staff Alex Katz dated May 24th, 2018, in which you proposed various steps related to the Planning Commission's pending consideration of AT&T's application for the installation of wireless antennas as 1138 Drury Lane, DAS Node OAKS-038C (Oakland Case No. PLN17374).

As I and other City staff and public officials have previously explained, the broad scope of your/ Ms. Applegate's requests required the City to construct and conduct a computer report using numerous search terms and parameters to extract responsive emails. The results of that search resulted in nearly 1.8 terrabytes of potentially responsive email records, which staff needs to review in order to determine whether a) the records are in fact responsive to your requests; and b) to determine whether individual records may be wholly or partially exempt from disclosure under specific exemptions of the CPRA.

Nonetheless, staff have worked diligently in good faith to respond to your request, and to produce all non-exempt responsive records as promptly as is reasonably possible given the breadth of the requests. Staff have already produced emails, an executed master license agreement and electronic links to the agendas of numerous Planning Commission and City Council meetings with hearings

on matters responsive to the parameters of your requests. Per your instructions, we have prioritized the review of Request #18-824, in which you requested emails of myself, Aubrey Rose and Marilu Garcia including the search terms Extenet, Ana Gomez, Black and Veatch, ATT, Verizon and Hammett and Edison from the period from January 1, 2016 through May 3, 2018. We have completed review of my and Aubrey Rose's emails, and have uploaded all responsive and non-exempt records to the NextRequest address listed below (because these emails are responsive to all three requests, we have uploaded them into the link for request #18-824, and have provided cross references and notations in the other links). These records comprise 311 pages for Mr. Rose, and 575 pages for myself. Staff will continue to review Ms. Garcia's potentially responsive emails, and will upload these to the site as soon as is possible, no later than **Friday, June 8th**. Beyond that, staff will continue to make any additional non-exempt email records available on a rolling basis as soon as review is completed, and will notify you and Ms. Applegate via email when any new files have been uploaded. Staff will endeavor to upload these records to the Next Request sites by **Friday, June 15th**.

The NextRequest addresses for all three requests are located at:

https://oaklandca.nextrequest.com/requests/18-590

https://oaklandca.nextrequest.com/requests/18-591

https://oaklandca.nextrequest.com/requests/18-824

City staff has determined that the remainder of responsive records identified by your requests are exempt from disclosure under applicable provisions of the CPRA. Specifically, several email records are exempt under California Government Code §6254, subd. (k), which exempts from disclosure all records the disclosure of which is exempted or prohibited under state or federal law, including the provisions of the California Evidence Code related to privilege. Additionally, certain records are exempt under California Government Code 6255, which permits the withholding of records when the public interest served by not making a record public clearly outweighs the public interest served by disclosure of the record. The records in question involve ongoing real estate negotiations whose disclosure prior to contract execution could potentially compromise the City's position in the negotiations. The decision to withhold these records and determinations regarding the applicability of specific exemptions was made by myself, Real Estate Manager James Golde, Special Counsel Bijal Patel and Senior Deputy City Attorney Peter Spoerl.

In your May 24th email, you request that I take certain steps with respect to the calendaring and management of the pending application for installation of wireless antennas as 1138 Drury Lane, DAS Node OAKS-038C (Oakland Case No. PLN17374). While we continue to work with AT&T to finalize execution of a tolling agreement, I cannot make any commitments with respect to instruments that require the execution of third parties. As stated above, staff will continue to upload any additional responsive and non-exempt email documents as soon as is reasonably possible, by **June 8th** for emails from Marilu Garcia, and will endeavor to produce any additionally non-exempt responsive emails records by **Friday, June 15th**. In light of this timeline, I will recommend that the Planning Commission continue the public hearing for Case No. PLN17374 to **Wednesday, July 11, 2018**.

If you wish to obtain physical copies of the records contained in NextRequest, please so advise. The City can make copies of the responsive records subject to the City's current fee schedule, which can be viewed here:
http://www2.oaklandnet.com/oakca1/groups/cityadministrator/documents/policy/oak060194.pdf

I trust that this letter communicates the City's anticipated timeline for production of any additional electronic records that are responsive to your request. As noted above, City staff will notify you and Ms. Applegate via email when additional records are uploaded to NextRequest. If you have any additional questions or concerns regarding the application itself, please contact Aubrey Rose, AICP Planner III, as he is the case planner for this matter and will be best equipped to answer your questions with respect to the pending application.

Very truly yours,



ROBERT MERKAMP
Interim Zoning Manager

cc: Lisa Applegate
Mariko Highsmith, Building Inspection
Tiffany Jimenez, Administrative Analyst II
Aubrey Rose, AICP Planner III
Andrew Peterson, Chief Information Officer
Peter Golde, Real Estate Manager
Victoria Chak, Administrative Analyst
Thang Nguyen, Real Estate Agent
Alex Katz, Chief of Staff, City Attorney's Office
Bijal Patel, Special Counsel-Land Use and Real Estate Units
Peter Spoerl, Senior Deputy City Attorney
Lisa Maxwell, Deputy City Attorney
Clea Bennett, Paralegal

Final Proof of **Posting dated June 22, 2018**

Rose, Aubrey

From: Bates, Michaela <BatesM2@overlandcontracting.com>
Sent: Friday, June 22, 2018 12:13 PM
To: Rose, Aubrey
Cc: Gomez-Abarca, Ana; Frias, Edgar; Bates, Michaela; Le, Jimmy (Walnut Creek); Bordenave, Donald; 'Charles Lindsay'; Arnold, Jonathan
Subject: PC Public Posting - PLN17374 - 1138 Drury Rd - ExteNet AT&T Oak-038C - Major Public Notice
Attachments: PLN17374_1138 Drury Rd_OAKHills_038C_AT&T_062218.pdf

Hi Aubrey,

Please refer to the attached public notice posting for PLN17374 - 1138 Drury Rd - ExteNet AT&T Oak-038C on 06/22/18.

Thank you!

Michaela Bates / Project Facilitator
Black & Veatch Corporation |
2999 Oak Rd 490, walnut Creek, CA 94598
1 925-444-5039 **C** Batesm@overlandcontracting.com
Building a World of Difference.®

CITY OF OAKLAND
BUREAU OF PLANNING

250 Frank H. Ogawa Plaza, Suite 2114, Oakland, CA 94612-2031
Phone: 510-238-3911 Fax: 510-238-4730

PLANNING COMMISSION PUBLIC NOTICE

Locations:	City light pole in public right-of-way adjacent to: • **a) 1138 Drury Rd (PLN17374; APN 048H-7613-011-01)** Zoning: RH-4 Zone / S-9 Fire Safety Protection Combining Zone; General Plan: Hillside Residential; Council District: 1; Submitted: 9/18/17
Proposal:	To consider requests for one (1) application to install new "small cell site" Monopole Telecommunications Facility on City light poles by attaching antenna and equipment.
Applicant / Phone Number:	Ms. Ana Gomez-Abarca / Black & Veatch (913) 458-9148
Owner:	Extenet, et al.
Planning Permits Required:	Major Conditional Use Permit and Regular Design Review with additional findings for Monopole Telecommunications Facility in Residential Zone; Minor Variance for Monopole not meeting 1:1 height/setback to residential lot line
Environmental Determination:	Exempt, Section 15301 of the State CEQA Guidelines: Existing Facilities; Exempt, Section 15302: Replacement or Reconstruction; Exempt, Section 15303: New Construction of Small Structures; Section 15183: Projects Consistent with a Community Plan, General Plan or Zoning
Historic Status:	Non-historic properties
Action to be Taken:	Decision based on staff report
Finality of Decision:	*Appealable to City Council*
For Further Information:	Contact case planner **Aubrey Rose AICP at (510) 238-2071 or by email at arose@oaklandnet.com.**

Your comments and questions, if any, should be directed to the Bureau of Planning, 250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, California 94612-2031 at or prior to the public hearing to be held on July 11, 2018, at Oakland City Hall, Council Chambers, 1 Frank H. Ogawa Plaza, Oakland, California 94612. The public hearing will start at 6:30 p.m.

If you challenge the Planning Commission decision on appeal and/or in court, you will be limited to issues raised at the public hearing or in correspondence delivered to the Bureau of Planning at, or prior to, the public hearing on this case. If you wish to be notified of the decision of any of these cases, please provide the case planner with a separate mail or email address.

Please note that the description of the application found above is preliminary in nature and that the project and/or such description may change prior to a decision being made. Contact staff after the date of decision by the Planning Commission and by 4:00p.m. An appeal shall be on a form provided by the Bureau of Planning, and submitted to the Bureau at 250 Frank H. Ogawa Plaza, Suite 2114, to the attention of the Case Planner. The appeal shall state specifically wherein it is claimed there was error or abuse of discretion by the City of Oakland or wherein the decision is not supported by substantial evidence and must include payment in accordance with the City of Oakland Master Fee Schedule. Failure to file a timely appeal will preclude you from challenging the City's decision in court. The appeal itself must raise every issue that is contested along with all the evidence previously entered into the record prior to or at the public hearing mentioned above. Failure to do so will preclude you from raising such issues during the appeal hearing and/or in court.

IT IS UNLAWFUL TO ALTER THIS NOTICE WHEN POSTED ON SITE

POSTING DATE: June 22, 2018


Besito AVE
Drury RD
NOT A
THROUGH
STREET
NOTICE

ATTACHMENT D

October 18, 2017

Ms. Marilu Garcia
City of Oakland Bureau of Planning
250 Frank H. Ogawa Plaza, Suite 2114
Oakland, CA 94612-2032

Re: Case File Number PLN17374

Dear Ms. Garcia et al:

This letter is in response to AT&T's proposed action to install a Monopole Telecommunications Facility within our residential zone, which is in close proximity to lot 048H-7613-011-01 (1138 Drury Road) at the intersection of Drury Road and Besito Avenue. Impacted residents of Drury Lane, Drury Road, Dartmouth and Besito have been informed of the installation specifications and have numerous objections to the proposed installation.

Our primary concern is that the proposed installation does not take into consideration Oakland's Aesthetic Standards for Telecommunication Facilities in the Right-of-Way and will greatly affect our panoramic views, and will subsequently impact surrounding property values. There have also been a number of misrepresentations within the plan documents we received. The location was inaccurately described. While the plan presentation includes photos that were taken at least 100 feet south of the proposed tower they do not take into account any of the many views that would be affected by this tower. These photographs do not provide even a rough approximation of how the proposed installation would appear from residents' homes and the diagrams do not accurately reflect the proposed height.

We understand that the installation of a cell tower is intended to improve coverage to AT&T's customers, but this should not come at the expense of our property values in which we have a great investment! Colocation is another issue of major concern. Once a cell tower is erected by one carrier, other carriers may also utilize the same installation to strengthen their coverage. Our goal here is to avoid having to look upon a 39' plus tower loaded with telecom equipment that would undoubtedly spoil the views that we treasure as residents of Claremont Hills.

Several City of Oakland Telecommunications code violations have been identified in the proposal for this location. There is a further issue of violation of permit procedure, as multiple workers were seen on the site on two occasions. A further concern is the cumulative impacts of exposure to electromagnetic pollution in our environment. There are current arguments that new cellular antennas installed in California neighborhoods create a risk to public health because of the possible dangers of radiation and electromagnetic frequencies emitted by cell towers. This technology has not been adequately studied for long-term health effects.

Constituents rely on their elected representatives to protect us from negative impacts such as view obstruction, visual blight, reduced property values, loss of privacy, health risks, noise and fire safety risks that directly affect the local community. We are requesting that AT&T and subcontractors immediately cease & desist from this proposed construction and find an alternate location which will not create a visual blight for the residents of Drury Lane, Drury Road, and surrounding streets. Thank you for your consideration as well as your attention to this matter. Should you have any questions or concerns, please do not hesitate to contact any of us directly.

Best Regards,

Residents of the Claremont Hills area

- to be signed by numerous neighbors affected by this proposal

DRAFT/ISSUES:

Proposed installation violates City of Oakland Code # 17.128 to obstruct views

Chapter 17.128 Telecommunications Regulations stipulates under .025 (Restrictions on Telecommunication Facilities) any telecommunications facility shall not be permitted within one hundred feet of any residential zone and any monopole telecommunications facility within 300 feet of any residential zone except upon granting of a major conditional use permit. Furthermore, any telecommunications facility whose antennas and equipment are not fully concealed from view shall be permitted within 300 feet of a residential zone except upon granting of a major conditional use permit.

The intent for this regulation on Monopoles is they should be designed as to be screened from the public wherever possible and not sited to create visual clutter or negatively affect specific views. Wireless communication towers shall be integrated through location and design to blend in with the existing characteristics of the site and preserve the existing character of the surrounding area.

The application presentation included photos that were taken at least 100 feet south of and above the proposed tower at an angle from the road that does not take into account any of the many views that would be affected by this tower. Neither photograph provides even a rough approximation of how the proposed installation would appear from the residents' homes. Much of the value of the respective homes is derived from our views of downtown Oakland, San Francisco, and the Golden Gate Bridge – the immediate area is a tree-lined residential neighborhood in the Claremont Hills whose look-and-feel would be greatly affected with a noticeable cell tower in our midst.

Proposed dimensions of the Monopole Telecommunications Facility

Although the proposal is to install a "small cell site," the dimensions of such structure are not only contrary to the proposal, but would become a focal point of our views. Much attention would be drawn to *"placing the 2-panel antennae (26.7" H x 10.8" W x 6.2" D) at the top of a replaced City Street light pole located in the public Right-of-Way. The existing light pole is 25' and the new pole would be 39'. The antennae would be up to 39' 6" in height and related equipment mounted at a height of 8' and 12' above ground-level."* This structure would greatly need to decrease in size in order to avoid the obstruction of views plus altering the look-and-feel of our tree-lined neighborhood. In essence, the installation with its proposed dimensions would become the focal point of all the residents' views (see attached photographs).

Resulting infractions of the Aesthetic Standards Amendment

We have carefully reviewed the Aesthetic Standards Amendment and have noted the infractions related to this particular proposal. Primarily, the over-arching guideline to *"foster an aesthetically pleasing urban environment...preventing visual blight..."* is being completely disregarded and absolutely not being followed as this Cell Tower directly impacts the residents' views. This is reiterated in Section II G7 under site selection guidelines, *"above ground facilities should not be placed at any location where they will be in a direct line of sight of a significant or sensitive view corridor, would adversely affect a scenic vista."*

DRAFT/ISSUES:

Dubious practices by AT&T and subcontractors – violation of permit procedure

Construction for this project has started prior to the planning hearing,and prior to any permit approval. Although a representative from Black & Veatch subsequently denied any work had begun, neighbors reported that a full work crew of approximately 10 people were onsite on 10/12/2017 at the designated location with cones, wires, and a large drill, frantically working before a concerned neighbor reported the work to the City Planning department. Within minutes of that report, the crew suddenly halted their work; however, evidence remained of the crews' work such as utility markings, a large hole in the ground and some wiring that is apparently new. Also on 10/5/17 a crew was seen working at the same area with cones and construction equipment. On both occasions one of the workers wore identifying uniforms or badges, and none of their trucks had logos.

Health and Safety Concerns

There are many current concerns regarding monopole cell towers creating a risk to public health because of the possible dangers of radiation and electromagnetic frequencies emitted by cell towers. More than 180 scientists and doctors have signed a declaration calling for a moratorium on the increase of cell antennas required for 5G deployment, "as we are concerned about the health effects including neurological impacts, infertility, and cancer." A brain scan study by a Los Angeles neurotoxicologist of a group of firefighters in Carpinteria who had lived and slept inside a station near a cell tower for five years. The study found brain abnormalities in all the men tested, including delayed reaction time, lack of impulse control and cognitive impairment.

March 30, 2018

Aubrey Rose, AICP
Planner III
Bureau of Planning
City of Oakland Planning and Building Department
250 Frank H. Ogawa Plaza, Suite 2114
Oakland, CA 94612-2032

Darren Chan, AT&T
Charles Lindsay, Extenet
Ana Gomez-Abarca, Black & Veatch

Re: Case File Number PLN17314 and PLN17374 – DAS 038C
Proposed Monopole Cell Tower in Claremont Hills residential area

This letter is in response to the latest communications <via email from Ana Gomez-Abarca, Black & Veatch on March 7, 2018> regarding AT&T's proposed action to install a Monopole Telecommunications Facility within our residential zone, which is in close proximity to lot 048H-7613-011-01 (1138 Drury Road) at the intersection of Drury Road, Besito and Dartmouth in The Claremont Hills section of Oakland. Impacted residents of Drury Lane, Drury Road, Dartmouth and Besito have been informed of the installation specifications and have numerous objections to the proposed installation.

While we appreciate the concept that AT&T and subcontractors seem willing to consider mitigating the impact of this proposed monopole cell tower by lowering the original proposed height by almost 4' to approximately 35'(+/-) high, we still have numerous issues including the fact that this is still view obstruction and we still object! There is also the issue of propinquity to residences; this cell tower would be located at an intersection of several streets in the Claremont Hills where there is extensive foot traffic, plus it is across the street from a house with a two month old child as well as directly across from another property with a swimming pool where children of all ages play. We have a number of households with children living and/or frequently visiting in the immediate vicinity. Studies by the World Health Organization of children exposed to radiation from cell antenna installations have shown serious health hazards, including appreciable increases in rates of asthma, autism, ADHD, and a number of other ailments. Although the Telecommunications Act of 1996 doesn't allow a municipality to prohibit the location of cell towers based on adverse health effects, people's fears about the presence of electromagnetic signals will drive down home values. Research shows home values drop 20% on average in cell antenna and tower areas.

Ironically, we are still wondering if the coverage claims are even valid or current. Those of us that have AT&T service are finding that our service has been adequate or better, and have tested using our phones throughout the area without disruption! *We have asked on numerous occasions, in person and in writing, how and when the coverage criteria was determined.* The only related response we have received is a 'coverage map' dated March 2, 2018 that shows a very small area with about 16 residences and does not address criteria or timing.

Of primary concern is that the proposed installation does not take into consideration Oakland's Aesthetic Standards for Telecommunication Facilities in the Right-of-Way and will greatly affect our panoramic views, and subsequently impact surrounding property values. In reviewing the documents sent to us on March 7, 2018 we found several inaccuracies and false statements that are misleading. For example, in the document labeled '038C Sims.pdf' there are photos showing the proposed location with a photo of the view looking out towards Oakland that is marked as taken from "location 2". Actually, the photo shows "location 2" as it was taken from a house at a higher elevation than other houses in the vicinity. Meanwhile, photos that were taken at that same time from the property at the base of Drury Lane showing obstruction of panoramic San Francisco views were completely omitted. We are including a photo here of actual view obstruction that was taken from one of the lower windows at Drury Lane when AT&T performed some unannounced testing on December 1, 2017.



Regarding tree maintenance, we do not feel that this issue has been adequately considered. We have commented on multiple occasions that if this tower were to be erected, the landscape company that we and our neighbors have jointly worked with for many years to trim the line of trees along the property adjacent to this proposal, has absolutely refused to trim any tree(s) with or near a cell tower through them, which would cause further view obstruction. Despite a small side note in the documentation stating that "existing trees to be trimmed as necessary" - we are concerned that these trees which are a vital part of the neighborhood aesthetics will not be properly maintained and this adds to our concerns. There are also contradictory issues of tree height clearance.

We have further issues and disputes with documents provided in that comments seem contrived and self serving, as well as including various inaccuracies especially within the document labeled 'ATT DAS OAKS-038C Alternative Site Analysis 010918.pdf' ...

Issues/Concerns/Code Violations include:

Proposed installation violates City of Oakland Code # 17.128 to obstruct views

Chapter 17.128 Telecommunications Regulations stipulates under .025 (Restrictions on Telecommunication Facilities) any telecommunications facility shall not be permitted within one hundred feet of any residential zone and any monopole telecommunications facility within 300 feet of any residential zone except upon granting of a major conditional use permit. Furthermore, any telecommunications facility whose antennas and equipment are not fully concealed from view shall be permitted within 300 feet of a residential zone except upon granting of a major conditional use permit.

The intent for this regulation on Monopoles is they should be designed as to be screened from the public and not sited to create visual clutter or negatively affect specific views. Wireless communication towers shall be integrated through location and design to blend in with the existing characteristics of the site and preserve the existing character of the surrounding area. The application presentation includes photos that were taken significantly above the proposed tower at that do not accurately take into account any of the many views that would be affected by this tower. These photographs do not fairly show how the proposed installation would appear from the most impacted residents' homes. Much of the value of the respective homes is derived from our views of downtown Oakland, San Francisco, and the Golden Gate Bridge – the immediate area is a tree-lined residential neighborhood in the Claremont Hills whose look-and-feel would be adversely affected with a noticeable cell tower in our midst.

Health and Safety Concerns

Per A-4 in recent documents provided, there will be a warning label posted on a monopole cell tower such as this that states "CAUTION: On this tower: Radio frequency fields near some antennas may exceed FCC rules for human exposure"!! Would you want this close to your home and telecommute location?? This would be an unmanned tower that would require physical shutoff in an emergency. The required protocol of PG&E contacting the AT&T Mobility Switch Center, followed by the ensuing relay of someone attempting to actually reach this site in a timely manner during a crisis is cause for major concern.

There are many current concerns regarding monopole cell towers creating a risk to public health because of the possible dangers of radiation and electromagnetic frequencies emitted. More than 180 scientists and doctors have signed a declaration calling for a moratorium on the increase of cell antennas required for 5G deployment, "as we are concerned about the health effects including neurological impacts, infertility, and cancer." A brain scan study by a Los Angeles neurotoxicologist of a group of firefighters who lived and slept inside a station near a cell tower for five years. The study found brain abnormalities in all the men

tested, including delayed reaction time, lack of impulse control and cognitive impairment. Also some of the undersigned have become electro-sensitive since installation of so-called "smart" meters in our homes and neighborhood which resulted in neighborhood residents experiencing nosebleeds, heart palpitations, nausea, dizziness, and migraine headaches. Those of us already adversely affected do not welcome additional environmental EMF / electrosmog insults on our short-term and long-term health. Even perceived health concerns from the radiation will affect property values aversely.

Proposed dimensions of the Monopole Telecommunications Facility

The proposed dimensions of such structure are not only contrary to the proposal, but would become a focal point of our views. This structure would alter the look-and-feel of our tree-lined neighborhood. In essence, the installation with its proposed dimensions would become the focal point of all the residents' views (see attached photographs). Colocation is another issue of major concern. Once a cell tower is erected by one carrier, other carriers may also utilize the same installation to strengthen their coverage. Our goal here is to avoid having to look upon a tower loaded with telecom equipment in our view line that would undoubtedly spoil the views that we treasure as residents of Claremont Hills.

Resulting infractions of the Aesthetic Standards Amendment

We have carefully reviewed the Aesthetic Standards Amendment and have noted the infractions related to this particular proposal. Primarily, the over-arching guideline to *"foster an aesthetically pleasing urban environment...preventing visual blight..."* is being completely disregarded and absolutely not being followed as this Cell Tower directly impacts the residents' views. This is reiterated in Section II G7 under site selection guidelines, *"above ground facilities should not be placed at any location where they will be in a direct line of sight of a significant or sensitive view corridor, would adversely affect a scenic vista."*

Maintenance Trucks – Traffic and Parking, Lack of Privacy

Cell antenna towers require maintenance that may be performed at any time of day or night. We will see a number AT&T service personnel able to look directly into our homes when we otherwise believe we have privacy. Construction trucks at this very busy intersection will be an additional unnecessary public nuisance as well as a traffic hazard. Furthermore, the proposed location is only 5' from a property line and heavy trucks have already been spotted parking on this property without permission, causing damage to the landscape.

Endangering protected species

Wildlife including owls and hawks constantly perch on street lamps including the one in question and may be harmed by the radio frequency fields. Exposure to EMR field is shown to evoke diverse responses varying from aversive behavioral responses to developmental anomalies and mortality in many of the studied groups of animals including these species.

Dubious practices by AT&T and subcontractors – violation of permit procedure

Construction for this project was started prior to any Planning Commission hearing,and prior to any permit approval. Neighbors reported that a full work crew of approximately 10-12 people were onsite on 10/12/2017 (photos were taken) at the designated location with cones, wires, and a large drill, frantically working before a concerned neighbor reported the work to the City Planning department. Within minutes of that report, the crew suddenly halted their work and left the site; however, evidence remained of the crews' work such as utility markings, a large hole in the ground and some wiring that is apparently new. Also on 10/5/17 a crew was seen working at the same area with cones and construction equipment.

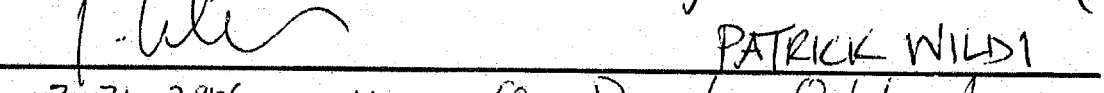
Constituents rely on their elected representatives to protect us from negative impacts such as view obstruction, visual blight, reduced property values, loss of privacy, health risks, noise and fire safety risks that directly affect the local community. We are requesting that AT&T and subcontractors immediately cease & desist from this proposed construction. Thank you for your consideration as well as your attention to this matter.

Signed,

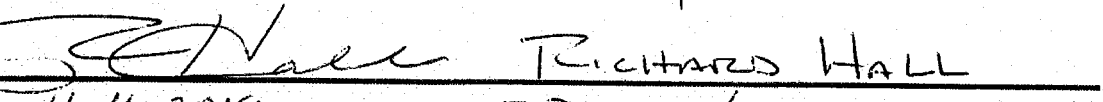
Residents of the Claremont Hills area



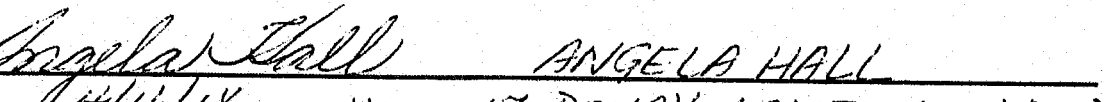
date 3/30/2018 address One Drury Ln, Oakland



date 3-31-2018 address One Drury Ln, Oakland



date 4-4-2018 address 17 DRURY LANE OAKLAND



date 4/4/18 address 17 DRURY LANE OAKLAND

signatures continued – PLN17374

Lisa Applegate-Zimanyi
date 4-2-18 address 11 Dartmouth Dr Berkeley

Michael McGinn
date 4/2/18 address 1106 Besito AVE

Deborah McGinn
date 4/2/18 address 1106 Besito Ave

Eduardo Avon
date 04/02 address Berkeley

Cary Anzai
date 04/02/18 address 1112 Besito Ave, CA Berkeley

Chloe Anzai
date 4/2/18 address 1112 Besito Ave. Berkeley, CA

Leslie Kodama leslie.kodama@yahoo.com
date 4.02.18 address 1092 Amito Dr. Berkeley, CA 94705

STEVEN KODAMA SKODAMA@KODAMADISENI.COM
date 4/2/18 address 1092 AMITO DR BERKELEY, CA 94705

Cory Levenberg
date 4/2/18 address 1096 Amito Drive, Berkeley CA 94705

Gergely T. Zimanyi
date 4/2/18 address 11 Dartmouth Dr, Berkeley CA 94705

Brittany Dean
date 4/2/18 address 25 Dartmouth Dr, Berkeley, CA 94705

signatures continued – PLN17374

Eleanor L. Steffen Eleanor L. Steffen

date Apr. 14 2018 address 1C Drury Lane, Oakland 94705

David Charness

date 5 April 2018 address 1138 Drury Rd, Oakland

Cal Collier

date 4/1/18 address DRury Lane, 94705

Jacqueho Bott

date April 4, 2018 address Dry Lane, 94705

date _____ address _____

date _____ address _____

date _____ address _____

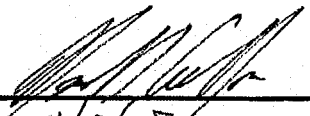
date _____ address _____

date _____ address _____

date _____ address _____

date _____ address _____

signatures continued – PLN17374



date 4/5/18 address 11 Drury Lane

Susan Caffee

date 4/5/18 address 11 Drury Lane

date _____ address _____

date _____ address _____

date _____ address _____

date _____ address _____

date _____ address _____

date _____ address _____

date _____ address _____

date _____ address _____

date _____ address _____

date _____ address _____

signatures continued – PLN17374

★ Emily Haws Emily Haws
date 4/3/18 address 2734 Hatteras Pl. Davis, CA

Anna Hoeft Anna Hoeft
date 4/3/18 address 1527 Point Reyes Place Davis, CA

Emily Baltz Emily Baltz
date 04/3/18 address 780 Collier Dr. Dixon, CA

★ Anne Zhao Anne Zhao
date 4/03/2018 address 3860 cherry place, West sacramento CA 95691

Sophie Brennan Sophie Brennan
date 4/3/2018 address 62 College Park

SARAH YEUNG
date 4/3/18 address 1663 JOSHUA TREE STREET 95616, DAVIS CA

Emily Chiang Emily Chiang
date 4/3/18 address 4222 Alegre Way Davis, CA 95618

Emily Bolander Emily Bolander
date 4/3/18 address 2709 Eel Pl. Davis, CA 95616

Brittany Ponce Brittany Ponce
date 4/3/18 address 578 Santa Teresa Court 95688

Alice Ferrer Alice Ferrer
date 4/3/18 address 835 N. Campus Way Davis CA 95616

Lia Elms Lia Elms
date 4/3/18 address 506 Antioch Dr. DAVIS CA 95616

signatures continued – PLN17374

Maya Alexander Maya Alexander
date 4/3/18 address 3130 Lillard Drive Davis, CA 95618

Sitara Parks Sitara Parks
date 4/3/18 address 2121 camino court Davis CA. 95616

Abby Buenier Abigail Buenier
date 4/3/18 address 1335 Cassel Lane, Davis Ca. 95616

Isabelle Messner Isabelle Messner
date 4/3/18 address 1512 Willow Lane, Davis CA 95616

Emily Hoeft Emily Hoeft
date 4/3/18 address 1827 Point Reyes Place, Davis CA 95616

Cameron St.André Cameron St. André
date 4/4/18 address 26130 Carlsbad Ave.

Mayah Moore Mayah Moore
date 4/4/18 address 35895 Yellowstone Ave.

Avery Rank Avery Rank
date 4/4/18 address 4108 Arroyo Ave.

Olivia Grote Olivia Grote
date 4/4/18 address 2311 Fortuna Court

Catherine Kerner
date 4/4/18 address 2769 Concord Ave.

Renee Xiong Renee Xiong
date 4/4/18 address 2151 Larkspur

signatures continued – PLN17374

Alicia Joo Alicia Joo
date 4/4/18 address 3234 Oyster Bay Ave, Davis CA

Lian E
date 4/4/2018 address 942 Woodbury lane, Davis CA

★ Ece Midilliogiu Ece Midilliogiu
date 4/4/2018 address 640 Benbow Ct. Davis, CA

Allison Reitz Allison Reitz
date 4/4/18 address 951 Lucena Ct Davis, CA

Annika R Annika R
date 4/4/18 address 1718 Van Damme Drive

Lena R Lena R
date 4/4/18 address 1718 Van Damme Drive

Rebecca Wendlandt Rebecca Wendlandt
date 4/4/18 address 325 Serrano Terrace, Davis, CA

Julie Mato
date 4/4/18 address Davis, CA

date 4/5/18 address 1407 Garrison St Davis 95616

Nancy Weyburne Nancy Weyburne
date address

date address

April 1, 2018

Aubrey Rose, AICP
Bureau of Planning
City of Oakland Planning and Building Department
250 Frank H. Ogawa Plaza, Suite 2114
Oakland, CA 94612-2032

Re: Case File Number PLN17314 and PLN17374 – DAS 038C
Proposed Monopole Cell Tower in Claremont Hills residential area

Dear Mr. Rose:

Regarding AT&T's proposed action to install a Monopole Telecommunications Facility within our residential zone, which is in close proximity to lot 048H-7613-011-01 (1138 Drury Road) at the intersection of Drury Road, Besito and Dartmouth – we are requesting that the Planning Commission hearing for this application be deferred to May 16, 2018 or later. A community letter is in progress to object to this installation proposal and as we are most impacted by this proposed installation we need the opportunity to present our case to the commission in person. Due to family illness we will not be able to attend meetings on April 18 or on May 2, 2018, so we request that the hearing for this application be on or after May 16, 2018.

Sincerely,

Sharon Collier and Patrick Wildi
One Drury Lane
Oakland, CA 94705

Rose, Aubrey

From: Beth McCleary <beth.mccleary@gmail.com>
Sent: Wednesday, April 25, 2018 3:06 PM
To: Merkamp, Robert; Rose, Aubrey
Cc: The Westalls; Devron Averett; applegate_dance@yahoo.com
Subject: URGENT: Stop PLN17374 Cell Tower (corner of Besito and Drury Lane)

Hello Mr. Merkamp and Ms. Rose,

I am very much opposed to the cell tower installation proposed in our neighborhood, as is every neighbor that has been alerted to this. I would like you to please consider denying this installation based on these facts.

This tower will bring a huge drop in value for our homes due to the immense radiation that emits from these towers. We did not invest in this neighborhood to see industrial blight and a neighborhood characterized by industrial installations.

I understand that health concerns are of no impact in the decision making process, but this is key to anyone who wants to live a healthy life or see their children raised cancer free. Many homes near such towers to not sell due to the health risk that has been proven to exist with the radiation.

Please consider that AT&T can pay for underground installation that will not adversely affect health or home value or create a blight, and that families should not pay the price for their commerce and business. The responsibility to pay for new towers should rest with the businesses that rely on them and not on families to pay the price with their health and with the health of our next generation.

This would costly to take down and remedy once installed and it is our firm belief as neighbors that a win win solution can be brought about by an underground installation.

Thank you very much for considering our request,
Beth McCleary
416 Gravatt Drive

Rose, Aubrey

From:	GERGELY ZIMANYI <gzimanyi@gmail.com>
Sent:	Saturday, April 28, 2018 2:21 PM
To:	Merkamp, Robert; Rose, Aubrey; nagraiplanning@gmail.com; jmyers.oaklandplanningcommission@gmail.com; amandamonchamp@gmail.com; EW.Oakland@gmailcom; tlimon.opc@gmail.com; jfearnopc@gmail.com; cmanusopc@gmail.com
Cc:	GERGELY ZIMANYI; Lisa Applegate
Subject:	Respectful protest against proposed Microwave Radiation Antenna; Re: Oakland Case No. PLN17374

Will you please place this email/letter into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)?

Dear Commissioners Meyers, Nagraj, Monchamp, Weinstein, Limon, Fearn, and Manus, and Planning Manager Merkamp,

I live in the immediate proximity of the proposed cell tower. I ask you to stop its deployment for at least the following reasons.

1. The tower will damage property values by hundreds of thousands of dollars: Cell towers are widely perceived as posing a health hazard. While the various professional organizations may be still debating the issue, the public's negative perception is very real. Various real estate publications estimate that a cell tower in a property's vicinity, can reduce the property's value by 10-20%. Given that homes in this neighborhood have a value around two million dollars, this is a probable loss of $200,000-$400,000 for each of us. This would be a major, direct damage to my family's economic situation, and would vaporize a large amount of money we worked very hard for.

    - https://ehtrust.org/cell-phone-towers-lower-property-values-documentation-research/

2. The high marginal tax rate about doubles this damage: This argument can be further amplified by noting that our marginal federal plus state tax rate sums to around 50%, meaning that if the tower is built, then twice the above money, $400,000-$800,000 of my past salaries gets wiped out. This means that deploying the tower would zero out my salary over several years.

3. The tower would reduce the property tax revenue of the City: Besides damaging the finances of the people who the City is supposed to represent, these towers hurt the finances of the city itself, because our damaged property values will damage and reduce the property taxes we pay to the City, upon the sale of homes. If for nothing else, please do not authorize these towers in order to avoid reducing your own property tax revenues.

4. These cell towers are used as Trojan horses by the telecoms: I read extensively about this subject, including court filings and lawsuits. The first company pushes a small cell tower through the process. Then, via subsequent expansions without local review, allowed by Federal law, the tower is repeatedly expanded into a large, industrial-looking Monster Tower. I have seen photos of reasonable towers repeatedly expanded into large, industrial-looking Monster Towers

5. The tower is a visual blight: These Monster Towers will blight our beautiful neighborhood. They will be a daily visual reminder of the City giving preference to corporate interests at the expense of the interests and finances of the people it is supposed to represent.

6. The compounded radiation of co-located antennas can pose exponential health hazards: Even if the RF Microwave Radiation from an individual antenna may seem benign, the 24/7/365 RF Microwave Radiation exposure from multiple co-located antennas can result in substantial health effects.

7. There are good alternative solutions: While in densely populated city neighborhoods moving a tower is a zero-sum game, and ends up hurting somebody unavoidably, this is not the case here. We live in a sparsely populated neighborhood. There are many points on these slopes where the road is along steep terrains or covered by a grove, and thus there are no houses around. The planning commission can avoid hurting the population and damaging its finances, while satisfying the needs of the telecoms.

8. Please apply the Golden Rule: Would you wish to open your own bedroom window every single morning to stare at a close to 40 feet microwave radiation tower about 30 feet from your fence, and wonder, every single morning, about the long-term health effects of the radiation exposure that is going through your own body at that very moment. Well, if you did not like this feeling, then please do not impose this on us either.

All in all, there are many compelling reasons not to place the tower at the planned location, while alternative solutions are available with no worse technical specs.

I am asking the Planning Commission: please do not hurt our health, our finances, and our neighborhood.

Respectfully

Gergely Zimanyi, Ph.D.
Professor of Physics, University of California
Director of Intellectual Property for two medical device companies

Rose, Aubrey

From: Patrick Wildi <patrick@wildi.com>
Sent: Monday, April 30, 2018 9:11 AM
To: Merkamp, Robert; Rose, Aubrey; amandamonchamp@gmail.com; EW.Oakland@gmail.com; tlimon.opc@gmail.com; jfearnopc@gmail.com; cmanusopc@gmail.com; Office of the Mayor
Subject: DAS Node OAKS-038C (Oakland Case No. PLN17374)

Dear Oakland Planning Commission, Dear Planning Manager, Dear Mayor,

I write you this letter to voice my opposition and concerns with the Cell Tower proposed by AT&T and it's subcontractors at Drury Road and Besito in the Oakland hills.
Please place this letter in the public record and the paper file for the above mentioned application.

Starting last October we became aware of the effort by AT&T and it's subcontractors to place a DAS monopole antenna system to replace the existing light pole at said location.
The communication by the applicants and the paperwork received by the city has been very confusing and in my opinion intentionally misleading by using different case numbers, wrong locations, misleading perspectives and false claims that the existing pole would be used.

The antennas would impact our view of San Francisco and the Bay directly. We bought this house mainly for it's great vistas and cherish them and enjoy them from most rooms. The proposed antenna would be an eye sore from multiple rooms as well as our terrace. The proposed height has not been fully clarified, but the antenna appears to protrude out of a set of two trees. The current light pole is very close to the the trunks of those trees and any foundation for the cell tower would very likely kill them and leave us with an even worse eye sore. In addition those trees in the public right-of-way would not be maintained by AT&T nor the City of Oakland. Finding arborists willing to work in close proximity to the cell antennas would be very difficult.

I am aware that the proposed radiation is below federal guidelines. But the close proximity to our house and multiple reputable studies showing increased brain tumor risk make me very concerned with the level of radiation we would be exposed to. The height of the antenna and the orientation of the antennas would direct the main beam of the radiation directly into our living quarters and into the home offices where we work daily as telecommuters! Also, it is telling that that cell towers are no longer allowed on Fire-stations after studies showed cancer in firefighters exposed to cell tower radiation (e.g. http://www.electrosmogprevention.org/cell-phone-safety-campaign/federal-cell-tower-roll-out-you-can-take-action/). Please help to protect us and the other residents! Please
see http://www.emrpolicy.org/science/research/index.htm, http://www.iaff.org/HS/Resi/CellTowerFinal.htm, https://parentsact.weebly.com/fact-sheet.html and http://www.saferemr.com/2015/04/cell-tower-health-effects.html

Both the visual blight of the cell tower and the risk of the radiation - even only a perceived risk - will greatly affect our home value. We paid dearly for this house, it's great vistas and the natural setting! It would be in the interest of the city and county to minimize impacts on the real estate values and associated tax revenue. Please see https://ehtrust.org/cell-phone-towers-lower-property-values-documentation-research/

Most of all, I dispute the applicants' premise that there is a coverage gap for cell phone coverage in the proposed area. I and others have tested coverage in the area extensively and could not find [illegible] coverage. The map showing no coverage is not accurate and must be based on [illegible]

Also the area that is covered by the proposed cell tower (according to the documents provided by AT&T subcontractors is a very small area, covering only approximately 19 houses.
I can't imagine a business case that would make it worthwhile for AT&T to only cover 19 houses that already have sufficient coverage. This leads me to expect that this proposed facility is merely a trojan horse to eventually expand the site for a much larger and more powerful antenna configuration as has happened in other cases. Also cell phone usage on that portion on the narrow stretch of Drury Road is causing frequent near and full incidents because by distracted drivers.

Please join in with other municipalities (http://www.electrosmogprevention.org/public-health-alert/cell-towers-health-alerts/actions-taken-re-cell-towers/) to protect citizens from electromagnetic radiation and protect our treasured vistas!

Sincerely,
Patrick Wildi

MurphyAustin
ATTORNEYS

KENT N. CALFEE
(916) 446-2300, EXT. 3031
kcalfee@murphyaustin.com

May 2, 2018

VIA E-MAIL

Chair, Adhi Nagraj
nagraiplanning@gmail.com

Vice Chair, Jahmese Myres
jmyres.oakplanningcommission@gmail.com

Commissioner, Jonathan Fearn
jfearnopc@gmail.com

Commissioner, Tom Limon
tlimon.opc@gmail.com

Commissioner, Clark Manus
cmanusopc@gmail.com

Commissioner, Amanda Monchamp
amandamonchamp@gmail.com

Commissioner, Emily Weinstein
ew.oakland@gmail.com

Planning Manager, Robert Merkamp
rmerkamp@oaklandnet.com

Planning Manager, Aubrey Rose
arose@oaklandnet.com

Re: **DAS Node OAKS-038C (Oakland Case No. PLN17374)**

Dear Chair, Adhi Nagraj; Vice Chair, Jahmese Myres; Commissioner, Jonathan Fearn; Commissioner, Tom Limon; Commissioner, Clark Manus; Commissioner, Amanda Monchamp; Commissioner, Emily Weinstein; Planning Manager, Robert Merkamp and Planning Manager, Aubrey Rose:

My wife and I own the residence located at 11 Drury Lane and I am writing this letter to oppose the proposed monopole at the corner of Drury Road and Besito Avenue. We join in the many objections raised in letters from our neighbors but take this opportunity to address some fundamental legal issues. Title 17 of the Oakland Municipal Code sets forth explicit criteria for the approval of the pending conditional use permit application and an independent set of findings to grant a variance. The applicant simply cannot meet those criteria for either the conditional use permit or variance and you as Planning Commissioners must deny the application.

Initially, I want to direct your attention to Chapter 17.128.080.B.2. which provides that,

> "Monopoles should not be sited to create visual clutter or negatively affect specific views."

My wife and I purchased our home in 2012 after considering dozens of homes. The single factor that led us to buy our home is the view. We have a view that extends from the Dumbarton Bridge to the Richmond San Rafael Bridge and continues to overlook Claremont Canyon. The only impairment to our view is the existing emergency alert speaker.

This proposed project locates an additional pole and antenna very near to the emergency speaker. The standard set forth in 17.128.080.B.2. simply cannot be met. On this point it is important to note a comment in the application: The applicant attempts to meet this standard with a patently false statement. On the form "Additional Design/Review Criteria CUP Findings" at page 3 the applicant states "the panel antennas will not be visible." That statement is not true. The view from our house, neighboring houses and from Drury Road looks right down over the proposed antenna. The required finding simply cannot be made. The antenna will "create visual clutter" and "negatively impact specific views." We believe the applicant's exhibit depicting the proposed tower is misleading. The plans and specifications submitted with the application state that the trees will be "trimmed if necessary." It is a reasonable conclusion that the trees will be topped to insure better antenna functions and that trimming will exacerbate the adverse visual impacts.

Chapter 17.128.080.B.5. requires that all on-site vegetation be preserved. The applicant simply states on the application that the

> "existing vegetation and topography will not be disturbed."

Again, the application is less than candid and the applicant cannot meet the code requirements. The project requires removal of the current light pole foundation and the installation of what has been described as a 5' x 5' x 5' concrete foundation. Two mature trees are located 33" and 42" from the existing light pole. The heavy construction equipment required to remove the existing foundation and to install the new foundation will certainly damage the roots of the existing trees. The statement that the project will not disturb these trees is conclusory and has no evidentiary support. Attached is a letter from a licensed arborist, which concludes that the trees will likely be compromised by this project. In order to approve this project you must come to the unlikely conclusion that these trees will not be disturbed.

Chapter 17.128.080.A.3. states that every monopole must be set back from adjacent residential lot lines the distance equal to the height of the pole. The applicant admits that it cannot meet this standard. The pole will be at least 35' tall and will be located 14' from the closest residential lot line. The applicant has requested a variance from this standard. However, as discussed below, the applicant cannot meet the requirements for a variance.

Also applicable to this application are the general design review standards. Chapter 17.136.050.B.2., requires you to make the following findings or deny the application.

> "... the proposed design will be of a quality and character which harmonizes with, and serves to protect the value of private and public investments in the area."

You have received substantial evidence that the cell tower will have an adverse impact on neighboring property values. Again, the project fails this test and must be denied. The applicant simply cannot establish that the project will " protect the value of private investment" as required by the law.

Finally, I will address the requested variance. You do not have carte blanche power to grant the variance. The code sets out very specific findings that must be met before a variance can be granted. The applicant cannot meet the statutory requirements and therefore, the variance and therefore the application must be denied. Chapter 17.148.050 states that all of the itemized conditions must be met. Keep in mind that the variance request relates to the code provision that prohibits this pole because it is too close to a residential lot line.

Chapter 17.148.050.A.1. requires a finding that, absent the granting of the variance, the applicant shall suffer

> "an unnecessary hardship inconsistent with the purposes of the zoning regulations."

The fundamental question is what the purpose of 17.128.080.A.3. (the zoning regulation) is.

> "When a monopole is in a Residential Zone or adjacent to a residential use, it must be setback from the nearest residential lot line a distance at least equal to its height."

The purpose of 17.128.030.A3 is clear: Provide separation between residential lot lines and cell towers. The "hardship", denial of the application, is not inconsistent with the purpose of 17.128.010.A.3. It is the application itself which violates the purpose of the regulation and therefore the variance is not permitted.

Chapter 17.148.010.A.4. states a similar required finding.

> "That the variance will not constitute a grant of special privilege...inconsistent with the purposes of the zoning regulations."

Chapter 17.128.080.A.3. quoted above, requires the proposed pole to be at least 35' from the property line and the proposed variance would place the pole 14' from the property line. The variance would clearly violate the "purpose" of the ordinance and therefore must be denied.

Chapter 17.14 has a final required finding for the grant of a variance. The standard design review requirements of 17.136.050 must be met. As discussed above, the finding

required by design review section 17.136.050.B.2., (no adverse effect on private investments), cannot be made and therefore, the variance cannot be granted.

In conclusion, you, as Planning Commissioners are entrusted to faithfully implement the zoning regulations. We submit that you cannot make the findings required to approve this application. The fact that the applicant merely claims, sometime falsely, that the antennae will not be visible, that vegetation will not be disturbed or that property values will not be effected, is neither sufficient nor accurate. You must look closely at the facts and the numerous code sections and determine whether you can make the required specific findings. The facts and the law dictate that the application be denied.

Thank you for your discernment.

Respectfully submitted,

MURPHY AUSTIN ADAMS SCHOENFELD LLP

KENT N. CALFEE

KNC/kb
Enclosure

cc: Mayor, Libby Schaaf (via e-mail officeofthemayor@oaklandnet.com)
District 1 Council Member, Dan Kalb (via e-mail dkalb@oaklandnet.com)
District 2 Council Member, Abel J. Guillen (via e-mail aguillen@oaklandnet.com)
District 3 Council President, Lynette Gibson McElhaney (via e-mail lmcelhaney@oaklandnet.com)
District 4 Council Member, Annie Campbell Washington (via e-mail awashington@oaklandnet.com)
District 5 Council Member, Noel Gallo (via email ngallo@oaklandnet.com)
District 6 Council Member, Desley Brooks (via e-mail dbrooks@oaklandnet.com)
District 7 Council Member, Larry Reid (via e-mail lreid@oaklandnet.com)
Councilmember At Large – Vice Mayor, Rebecca Kaplan (via e-mail atlarge@oaklandnet.com)
Planning Manager, Robert Merkamp (via U.S. First Class Mail)
Planning Manager, Aubrey Rose (via U.S. First Class Mail)

Rose, Aubrey

From: Kay Loughman <kayloughman@earthlink.net>
Sent: Friday, May 04, 2018 11:56 AM
To: Rose, Aubrey; Merkamp, Robert; Jahmese Myres; Jonathan Fearn; Tom Limon; Clark Manus; Amanda Monchamp; Emily Weinstein; Adhi Nagraj; Kalb, Dan; At Large; Office of the Mayor
Subject: Oakland Case No. PLN17374

Dear Commissioners Nagraj, Meyers, Fearn, Limon, Manus, Monchamp and Weinstein and Interim Zoning Manager Merkamp; City Council Members Dan Kalb and Rebecca Kaplan, and Oakland Mayor Libby Schaff,

Will you please place this email/letter into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)?

We live not far from the proposed cell tower. We ask you to stop its deployment for *at least* the following reason: **Visual blight**.

In the 1990s we paid large fees to have our utilities (including telephone service) undergrounded. The lack of power poles and wires contribute significantly to the attractiveness of our neighborhood.

The proposed cell towers, poles, antennas, and associated wires and hardware above-ground are UGLY, UGLY, UGLY! They bring back the very blight we paid to have hidden. They don't belong in our neighborhood; **they don't belong in any neighborhood**.

Surely AT&T and Oakland can come up with a better plan.

Please vote against this proposal.

K. H. Loughman
Gravatt Drive

Virus-free. www.avast.com

Law Offices of Harry V. Lehmann PC
4 Vineyard Court
Novato, California 94947

Harry Vere Lehmann
Principal Attorney

Area Code 415
Telephone: 897-2121
Facsimile: 898-6959

May 7, 2018

Mr. Aubrey Rose, Planner II
Zoning and Major Projects Divisions Main Office:
250 Frank H. Ogawa Plaza, Suite 2114
Oakland, CA 94612
Via 11 page fax
Fax: (510) 238-4730

Dear Mr. Rose -

Via this facsimile please find the Objection and Claim of Ms. Lisa Applegate-Zimanyi, of Claremont Canyon, regarding the currently pending cellular tower site Application.

Ms. Applegate-Zimanyi just spoke with you, you indicated that you would not be able to be at your office at 4 p.m., and therefore she makes her filing via fax, hard copies and emails to follow.

Very truly yours,

Harry V. Lehmann

Harry Vere Lehmann
Principal Attorney

Law Offices of Harry V. Lehmann PC
4 Vineyard Court
Novato, California 94947

Area Code 415
Telephone: 897-2121
Facsimile: 898-6959

TO: Members of the Planning Commission

RE: DAS Node OAKS-038C (Oakland Case No. PLN17374, Claim and Objection to Application by Lisa Applegate-Zimanyi, 11 Dartmouth Drive, Claremont Canyon.

Via: Via hand delivery with of 15 exemplars and via email Commissioners and Planning with email to follow to all Commissioners and City Council.

Kind and respectful greetings:

Claremont Canyon resident Lisa Applegate-Zimanyi hereby respectfully submits objection to the construction of any above-ground 5G tower in proximity to the home that she and her husband share at 11 Dartmouth Drive, Oakland.

Introduction

The core point of this memorandum is that the pending Application for the installation of a cellular tower on and near Drury Road must for legal be denied, and that as a result of some of those factors, it is legally necessary for the Applicant to re-apply, see Legal Issues, supra.

The technical objections to the Application are covered in a compact way under the Legal Objections sections of this briefing document. We have intentionally pointed out several areas of regulatory technicality which lawfully compel that the pending Application (and likely several companion Applications) be denied, and that the Applicant re-file anew, as the only way to cure some of the defects in the way that the subject Application has been drawn and handled. Yet, though we base our objections on technical failings in the attempted Application and the many defects in proper Notice, as to motive the 'rest of the story,' is based on science background, where developments, even within this last month, show the physiological dangers to which we will all be exposed if these towers are allowed in dense areas.

Though hundreds of major studies in this area have been available for several years, it is only on March 28 of this year that a further and three day long scientific peer-review process of the NIH's $25 million resulted in publication of the conclusion that 'clear evidence,'shows a causal link between cellular microwave radiation and cancer.

By a coincidence of timing perhaps stemming from the sudden currency of this issue, on the day after the above announcement from the National Toxicology Program of NIH of

'clear evidence,' of microwave caused cancer, detailed articles on the linkage between cellular radiation and cancers were published in three national magazines, Scientific American, The Nation, and Wired. Public mainstream recognition of the dangers of cellular radiation has arrived.

The Commission need not delve into these underlying physiological causation issues to deny this pending Application, because procedural and legal issues with this Application are numerous and require that the Applicant re-apply. Yet the core issue is whether or not those who are in positions of power and influence in Oakland will allow residents of Claremont Canyon and soon all of Oakland to be irradiated with known carcinogens.

This remainder of this document has three sections. First, Section I contains a compact yet thorough review of recently announced scientific findings, consistent with many earlier sources showing cancer causation along with other health deficits from the microwave radiation with which the Applicant seeks to saturate the people of Oakland.

Next, in Section II, Legal Objections, the Commission and all other recipients in the governance of Oakland will see instances of technical non-compliance which require that the Application as currently stated by denied.

In Section III, the concluding section of this briefing, the Commission will encounter public policy issues which weigh against allowance of these towers in densely populated areas, including that where public instrumentalities, such as existing light poles and sidewalks, are allowed to be used for these carcinogenic towers, ***the City of Oakland faces liability for ADA violations and unlimited Tort law exposure for Dangerous Condition of Public Property.***

I Scientific developments prove the credibility of citizen objections to the Application

There is no true conflict of interest between any member of your Commission and the citizens of Claremont Canyon or anyone in Oakland who now oppose cell tower installation in their neighborhood. We are all in this together because, wherever we live, if these local radiation emitting devices are widely allowed on the streets and sidewalks, we will all be exposed to increased likelihood of suffering from cancer as well as other health-negative constant consequences from that constant exposure.

So when it is necessary for the citizens before you to respectfully point out to the governing administration of Oakland instances of technical non-compliance in the way this Application was submitted and Noticed, they are not writing with any spirit of meanness.

We all remember Rodney King's plea in '92; "People, I just want to say to you, can we all get along? Can we get along? The notation of objectively identifiable technical flaws and errors regarding this cell tower application is required by my work, but the residents of Claremont Canyon who are here with you this evening are here in good conscience and without hostility, simply forced by clear science evidence as well as legal issues and their property rights to fight the cell tower plans for their neighborhoods.

The National Toxicology Program of the National Institutes of Health has recently completed it's $25 million dollar study of the question of whether cellular radiation causes cancer. The study took 30 months for experimentation, data collection, and statement of initial conclusions; the study was finalized only in late March of 2018, so it is understandable that some of our public servants have not yet been aware of these crucial new final government findings.

The findings of the study by the NTP (the international 'gold standard,' for toxicological testing) were announced first on May 27th, 2016 with the announcement of the isolation of a definite positive relationship between cellular telephone radiation and the development of glioma cancer cells in rats. Glioma grows into glioblastoma, the brain cancer that kills.

The March 28th announcement from the National Toxicology Program of their finding of 'clear evedence' of linkage between cellular radiation and cancer formation came two full years of further analysis and review of the results first announced on May 27, 2016, by the most prestigious toxicology experts in the world. A representative of the American Cancer Society stated, after the results release in 2016, that the NTP program is the above-noted 'international gold standard,' in toxicological measurement. This NTP headline is easy to check, for one example see the article by John Murawski at www.newsobserver.com . I first became engaged with this issue after the deaths of friends and colleagues from brain cancer; now, after seven years of focus on this issue, I advise with confidence that the best source of information on this subject is the website of the epidemiologist Dr. Devra Davis at www.ehtrust.org. The main point here is that the citizens who object to this Application do so credibly, on the basis of science.

On March 29, 2018, major and deeply researched articles appeared in three national magazines each noted for the high education level of their readership, which articles dealt with the scientific link between cell phone radiation and cancer, necessarily without referencing the March 28th final findings. Those magazines are ***Scientific American***, ***The Nation***, and ***Wired Magazine***. The remarkable article in The Nation, by deeply experienced professional journalists Mark Dowie and Mark Hertzgaard is titled **How Big Wireless Made Us Think That Cell Phones Are Safe: A Special Investigation.**

Thousands of smart regular people in the wireless industry actively and sincerely believed for decades that it was impossible that anyone could be harmed by these remarkable tools for communication unless there was a sufficient heating of tissue from the microwave to damage said tissue via heat.

Many people in the Telecom industry, like Mr. Frank Glegg, former CEO of Microsoft Canada, 'just didn't ask,' about radiation issues, instead seeing a great product that 'people and going to love.' Most or all others in the industrysincerely believed that non-thermal direct tissue damage was impossible, and they had neat scientific analysis supporting that view, namely that, by definition, non-ionizing radiation could not cause 'ionic,' or chemical changes in tissues.

By the generally accepted vocabulary and understanding of Telecom's top engineering people, since cellular units use low-wattage non-ionizing radiation, which *by definition* cannot cause 'ionic,' direct chemical change, then so long as the devices comply with the FCC's thermally-based qualification standards, direct ionic tissue damage is impossible. That was a well-reasoned scientific position. However, the mechanism of damage is not ionic, but acoustic.

However, completed research was available as early as 1983 showing that DNA was remarkable in its capacity for enhancing the Specific Absorption Rate of plain water, in the University of Maryland interferometer work of Swicord and Brown it was found that the establishment of a 7.43% solution of DNA into plain water enhanced the SAR of the resulting fluid 24X, twenty-four fold, and that the increased SAR was non-ionic but instead via vibration by the microwaves, in physics terms, 'acoustic.' The DNA was dissipating the microwave energy by vibrating like a fragile tuning fork. The work of Dr. Lai proved that the DNA strands broke.

You remember the line from Paul Simon's song The Boxer, including; 'a man hears what he wants to hear and disregards the rest.' Like that, most of us want to be liked and, especially in corporate life, there's a ton of disincentives against 'rocking the boat.' It is jarring for any of us to discover that what we relied upon as truth is scientifically shaky. While there are thousands of great concerned people in Telecom, and their devices seem near-miraculous, in at least some instances people in Big Wireless have been sufficiently obsessive in their pursuit of moneypower that they've engaged in intentional attacks on academicians and their findings, even when those findings were made by high level researchers in the ordinary pursuit of science. A Google search for 'Dr. Henry Lai Seattle Magazine' instructive about the efforts of Big Wireless personnel to, in their own words, 'war game' against Dr. Henry Lai, who had merely by innocent scientific research, made the pioneering discovery that cellular microwave energy causes DNA breakage.

Right now this situation may seem so polarized that an outcome involving compromise may feel like an unquenchable thirst. But as the science has developed we can all see that there is no good reason for the hostile polarity that caused some people in industry to war game against Dr. Lai, while so many others just genuinely believed that 'since the radiation is non-ionizing it can't burn tissue at these wattage and distance ranges.' Clear and convincing evidence, including in context the work of Dr. Lai, has proven that cellular radiation damages human tissue.

Dr. Lai's experiments unequivocally proved the fact of DNA strand breakage from cellular telephone radiation. So, once the reader understands that: 1) Through the interferometer work of Swicord and Brown at Maryland, 1983, that DNA change occurs via acoustic means, while also understanding that: 2) The work of Dr. Lai, showing that such cellular signal causes DNA breakage, then it may be responsibly suggested that the occurrence of DNA breakage, not by ionic means, but via acoustic receipt of the vibrational energy. That's how people are getting hurt. Plus the calcium ion findings, noted, supra, from the elegant work of Dr. Pall at the Washington State University, and propriety requires the mention of the ground breaking work of Dr. Andrew Galsworthy of Imperial College

London, whose pioneering work regarding the stripping action of cellular and other microwave on intra-cellular calcium is forth in Dr. Galsworthy's March 2012 paper The Biological Effects of Weak Electromagnetic Fields - Problems and Solutions. As to vibrational fracture of the DNA molecule, see *also Electrosmog and autoimmunde disease*, by scientists Trevor G. Marshall and Trudy J. Rumann Heil. The core point sought to be communicated here is that the industry dirge; 'it can't be us, cause non-ionizing radiation can't force an ionic change,' is an incomplete as an analysis of cell damage causation, because it is a red herring of belief that has distracted the busy from seeing the actual causation.

So, though our focus here is on legal technicality, our purpose in this capsule summary which has included recent science developments is to demonstrate the credible scientific basis that those opposing this Application have based on the health of everyone in Oakland.

II - Legal Issues

1. The Application is fatally defective in that it is undated. In Oakland like any other California city, a permit application should be signed and dated by the Applicant.

2. The Application is fatally defective because it does not satisfy the provisions of the Equal Dignity Doctrine. There is a letter dated July 6th from Ms. Ana Gomez, which Ms. Gomez signed as "Permitting Agent for ExteNet Systems." However, Ms. Gomez is in fact a representative of a company called Black & Veatch. Applications are required to be in writing, signed by the Applicant. It may be permissible for an agent, such as Black and Veatch, to serve as a so-called "Permitting Agent," but the well-worn Equal Dignity Doctrine requires that, where a formal written document, such as a governmental application, is offered by an agent, ***there must also be the submission of a written authorization from the Principal involved lawfully appointing that Agent for that purpose***. An after-the-fact submission of that Equal Dignity document cannot suffice, because there must be a sufficient showing, in the official record, that at the time of submission the 'Agent,' had the authority to so represent such Principal. Equal-dignities rule refers to a legal doctrine requiring an agent to perform all acts authorized by a principal. An agent can perform those acts only if the agent's authority is set forth in writing. Equal-dignities rule is essentially a corollary to the statute of frauds. Under this rule, a contract would be void unless reduced to writing. For example, those contracts subject to the statute of fraud, authority to enter into such a contract must also be in writing. However, under the equal dignities rule, an agent cannot usually estop his/her principal by conduct alone. [Shoals v. Home Depot, Inc., 422 F. Supp. 2d 1183 (E.D. Cal. 2006)].

3. Due Process Violation by mistake in public Notice: The Notice of April 27th has the wrong Application number. Whether or not the intention is to put a master hub at 1195 Drury Road, the bottom line is that the April 27th Notice was defective, as the apparent actual subject matter of the hearing is with regard to 1138 Drury Road, across the street from this and several Objectors. That this was mistaken is admitted by the city. They have married the correct plan number with the correct plan number, but then they repeatedly gave plan numbers for 1195, and then the underlying descriptions and even photos for 1138 Drury Road. This is not adequate Notice under

the law. Further, as further proof of failures of Due Process here, the April 27th Notice was issued to correct flaws in the Notice sent out in early March, which had several errors as to involved dates. Bottom line, the Public Right to Know has not been satisfied due to erroneous and mutually conflicting data both within individual Notices on this Application, and between differing Notices of the same construction.

4. The Application as filed appears to allow Telecom to increase pole height or add co-location (with thereby increased radiation) on their own, or at the most, with approval by the Planning Department for either such co-location or such elevation change. If so allowed, this cuts the Legislative Branches of local governance, including this Commission and the City Council, and the public, out of decisions affecting their welfare. This is a violation of Separation of Powers, in that it takes what must be legislative decisions requiring Notice, and sequesters such decisions away under absolute control of the local Executive Branch, in this instance the Planning Department, which, at a local level, is a Separation of Powers violation.

5. There are two versions of the Plan detail files; the current "Plan," includes a different, and lower, and tree shrouded antenna, whereas all of the EMF measurement details are from an earlier and higher proposed pole . While the lower pole has view advantages, the objecting citizens have been informed by the engineer hired by the Applicant that the lower tower height, in the trees, will not suffice to meet the needed and sought broadcast standards, including due to interference from the trees. As noted before, DNA absorbs microwave. One is standard sized, dated 6/29/17, and there is another one, on 1/18/18, the first has the tower above the trees. The second has the tower in the trees. However all of the RF analysis is done on the first drawing, not the second. The file therefore misrepresents the apparent actual intention of the Applicant.

6. The proposed Application is in clear violation of Oakland Municipal Code ordinances. An extremely high level letter was sent to the Chair, all members of the Commission and the Office of the Mayor and others in governance on May 2, 2018, by attorney Kent J. Calfee, of the law firm MurphyAustin. That four page letter dated May 2, 2018 from Mr. Calfee, and all the Code and other legal references therein are hereby incorporated into this document as though more fully set forth herein. The objections include that the proposed installation as contemplated in the Application will, based upon the Certified Arborist statement incorporated in that letter, will result in damaging or killing two trees. Whether or not there is technically a Heritage Tree issues is not yet known, if records so prove, then objection to the Application is also stated on that further ground.

7. It is known to Ms. Applegate-Zimanyi that her neighbor Sharon Collier is on this date, May 7th, also submitting Objections to this Application, and Ms. Applegate-Zimanyi and the undersigned counsel have reviewed those objections and the legal points raised in Mrs. Collier's submission of May 7th are incorporated herein by this reference as though more fully set forth.

8. The Application is incomplete and therefore defective on its face because diligent

search by this objecting party has decerned that there are no technical specifications for the power input to the towers. Additionally, the Planning file has no technical specifications for the power output from the tower. Therefore, the file is incomplete, and remains incomplete as of this day, and without those data it is impossible for either Planning or members of the affected public to determine the level of radiation which may potentially emanate from this tower. These are data that should have been in the Application at the start, that in its absence should have been demanded by the City, but nonetheless, these utterly critical data are not in the file, and therefore even this Commission does not have, and therefore at this point cannot have, a sufficient information basis to approve this Application.

9. The Applicant does not have any form of Utility Easement allowing it to broadcast radiation onto or through the homes in the neighborhood. Therefore, this Application is void as a matter of law due to the absence of any permission from the surrounding landowners that the Applicant can use their airspace and the space occupied by the dwellings in the area.

10. There has been no actual showing of any gap in coverage which requires this tower. The undersigned and objecting party note that the current coverage is more than adequate from cellular reception and exchange of data. This tower is not necessary for the good use of smart phones. It may be that the underlying intention of the Applicant is to have wireless microwave supplant and eventually replace cable for all purposes, resulting in vast increases in multi-axial radiation exposure and resulting harm, but the correct standard here is whether there is a gap in coverage for cell phones, not whether there will be a gap in coverage in the future when the carriers seek to monopolize access to the Internet through wireless signal delivery. It has been scientifically established that no gap in coverage exists, and the Commission is welcome to see video documentation of the fact that there is no gap in coverage. Also, undersigned counsel expresses his unrestricted willingness to argue this issue with whomever the Applicant wishes. Repeated requests to Ms. Gomez have not resulted in the provision to these citizens of the alleged technical basis for the alleged lack of coverage, and specifically the objecting residents state that there is no technical justification in the file for the areas which are depicted as 'white,' (low coverage) on the color overlay maps which have been proffered by the Applicant - to the contrary, the objecting residents have objectively confirmed sufficient coverage in such areas, and remain ready to so demonstrate to Staff and/or this Commission. The undersigned and the objecting residents note their opinion that the map Exhibits 3 and 2 to DAS Node Oaks - 083C_ATT OAKHILLS Design RF Justification Letter Justification Letter in support of this Application are willfully misleading because the map illustrates a non-documented alleged gap in coverage.

11. Respectfully to all concerned, perhaps this was inadvertent error, but the Plan as submitted calls for installation of the Katherien 840-10525 65 degree Dualband, Four-Channel Directional Antenna. However, investigation by residents opposing this Application have contacted the manufacturer, and confirmed that this particular antenna was discontinued more than two years ago. What we were told by the manufacturer is either true, or not true. If it what the manufacturer has told us is true,

then this appears to be proof that the Application has been intentionally deceptive. In addition to all of the more substantive reasons for objection, this Application should not proceed without explanation from the Applicant regarding that anomaly.

12. These neighborhoods were rebuilt after the great Oakland fire. During the rebuilding considerable citizen input and dozens of meetings affected the architectural and style outcomes that now define the Claremont Canyon neighborhood. Utilities were put underground, and utility poles were done in an early 20th Century motif. The intended and achieved result of this was an absence of view clutter and block from wires and poles in this area. The original Application was for the use of existing utility poles. That aspect the Application language was not changed even though it is now clear from drawings and elevation poles that the Applicant, exactly contrary to the Application, seeks new structure. The Application should be denied on the basis of tis discontinuity alone, including but not limited to the reason that withholding of permit because of negative impact on historical style is a legitimate basis for denial of this Application.

Public Policy Objections to Pending Application

At the start of discussion of the public policy issues against this small cell deployment, it must be repeated, to avoid any appearance of waiver, that it is the analysis of of the undersigned and claimant that this "Application," does not reach the stature of a properly submitted Application due to several factors including the absence of compliance with the Equal Dignities Rule, in that so far as yet known to the undersigned or objecting citizens, there has been no showing that any written document was submitted verifying the alleged Agent relationship between the Applicant and the company or the person, who submitted the alleged Application. Having so noted, there are several public policy concerns which strongly indicate that in any instances where governmental property, such as a utility post, is going to be used for the mounting of Telecom equipment, and where Telecom as a matter of fact is never insured for injuries from EMF, the effect of such mounting of such dangerous equipment is to transfer liability to the taxpayer, in this instance, if and where such public properties are used for mounting or support of the installation, that would be the City of Oakland.

1. Potential tax revenue losses: One factor that the City of Oakland has not as yet had the opportunity to fully access is the loss of tax revenue which will be attendant to property market value loss from proximity to such dangerous conditions. When left with the choice whether to be heavily irradiated or not, all other factors being equal, a reasonable home buyer will choose against that health-starving alternative.

2. Changed Circumstances warrant re-examination of 5G: Long term professionals in this field in this field have been aware of the scientific concerns for DNA damage and other health losses. A Google search for ' Dr. Martha Herbert WIFI ' will take you way back to the February 13 letter (and many since) of Dr. Martha Herbert, of the Harvard Medical School, to the Superintendent of the Los Angeles Unified School District. In that letter Dr. Herbert references her own 60 page meta-study, in turn encountering more than a thousand scientific studies showing health deficits from

then this appears to be proof that the Application has been intentionally deceptive. In addition to all of the more substantive reasons for objection, this Application should not proceed without explanation from the Applicant regarding that anomaly.

12. These neighborhoods were rebuilt after the great Oakland fire. During the rebuilding considerable citizen input and dozens of meetings affected the architectural and style outcomes that now define the Claremont Canyon neighborhood. Utilities were put underground, and utility poles were done in an early 20th Century motif. The intended and achieved result of this was an absence of view clutter and block from wires and poles in this area. The original Application was for the use of existing utility poles. That aspect the Application language was not changed even though it is now clear from drawings and elevation poles that the Applicant, exactly contrary to the Application, seeks new structure. The Application should be denied on the basis of tis discontinuity alone, including but not limited to the reason that withholding of permit because of negative impact on historical style is a legitimate basis for denial of this Application.

III - Public Policy Objections to Pending Application

At the start of discussion of the public policy issues against this small cell deployment, it must be repeated, to avoid any appearance of waiver, that it is the analysis of of the undersigned and claimant that this "Application," does not reach the stature of a properly submitted Application due to several factors including the absence of compliance with the Equal Dignities Rule, in that so far as yet known to the undersigned or objecting citizens, there has been no showing that any written document was submitted verifying the alleged Agent relationship between the Applicant and the company or the person, who submitted the alleged Application. Having so noted, there are several public policy concerns which strongly indicate that in any instances where governmental property, such as a utility post, is going to be used for the mounting of Telecom equipment, and where Telecom as a matter of fact is never insured for injuries from EMF, the effect of such mounting of such dangerous equipment is to transfer liability to the taxpayer, in this instance, if and where such public properties are used for mounting or support of the installation, that would be the City of Oakland.

1. Potential tax revenue losses: One factor that the City of Oakland has not as yet had the opportunity to fully access is the loss of tax revenue which will be attendant to property market value loss from proximity to such dangerous conditions. When left with the choice whether to be heavily irradiated or not, all other factors being equal, a reasonable home buyer will choose against that health-starving alternative.

2. Changed Circumstances warrant re-examination of 5G: Long term professionals in this field in this field have been aware of the scientific concerns for DNA damage and other health losses. A Google search for ' Dr. Martha Herbert WIFI ' will take you way back to the February 13 letter (and many since) of Dr. Martha Herbert, of the Harvard Medical School, to the Superintendent of the Los Angeles Unified School District. In that letter Dr. Herbert references her own 60 page meta-study, in turn encountering more than a thousand scientific studies showing health deficits from

exposure to pulsed microwave communication information. That letter and related scientific data can be found under the category 'SCIENCE,' at www.ehtrust.org . ***However, from the viewpoint of many people in governance, the mainstream reality of radiation cancer from these towers is new news; After all, the last peer-reviewed NTP finding, from NIH, was just over one week ago.*** Informed as our Commissioners now are, it is easy to see, now that radiation safety is understood as a known risk, that any such Application should contain provisions for periodic and spot testing of the involved towers for compliance with their stated output transmission power. That power was not even mentioned in this Application, a flaw on its face, but as a matter of public policy, no such high power tower Application should be approved without a companion program to assure objective monitoring. Although the companies responsible for these radiation emissions must compensate affected cities for the needed testing, no such Application, given the recent hard data proving the cancer connection, should be allowed unless there is a provision to assuare objective signal strength monitoring, which is manifestly not present in the current Application, on more reason why it should be denied.

3. Severe Liability Exposure for Oakland:

The main CA Government Code section which is virtually always pled by all experienced public entity lawyers is Dangerous Condition of Public Property, Government Code 835. There is now overwhelming evidence of DNA and cellular damage from radio-frequency EMF as emitted by cellular phones and towers. If you have doubt about this, set up a debate between me and the best Telcom has. It is a matter of well-established public record that the international re-insurance industry has long refused to insure any aspect of the telecom industry for injuries caused by cellular devices or installations. There is no safety net for Telecom. ***The only avenue left to the cellular industry, other than just honestly facing up to this mess and helping us solve it, is to shift the legal responsibility to government.***

Seasoned and competent counsel, where injuries occur of a sort consistent with EMF injury to DNA, including glioblastoma as indicated by glioma from the NIH study, will file suit against responsible corporate entities, broadly, and also sue the City of Oakland. In addition, electromagnetic sensitivity is a recognized condition affecting millions, and for every person made ill by 5G, or alleged to have been made ill, a potential ADA claim against Oakland will arise. Especially where a public pole is used, and thereby a tenancy created, under The Doctrin of Merger, the Dangerous Condition created by the radiation generating tower will become a public property, leading to massive litigation exposure for Dangerous Condition of Public Property.

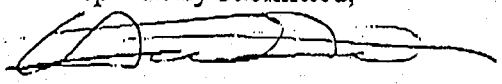
4. This consequence from approval of this Application are far too serious for this to be on any Consent Calendar, rather such approval should only be contemplated after both public input and sufficient time for study by those entrusted with these hard decisions.

In closing, the evidence shows that this Application was never properly submitted in the first place, due to imperfections on its face, including lack of date, and due to the failure of the putative Applicant to comply with the Equal Dignities Rule. In addition the

Application has been shown to be materially flawed, and it is a proven fact that the Notices of this Application and hearings thereon have been plagued with unfortunate but definite inaccuracies. The Planning Department has stated that the deadline for submissions in opposition to this Application was Saturday, May 5th, in email. This is consistent with the recognition by Planning that even if it is concluded that the Application was at some point completed sufficient for a Hearing, that did not occur until earlier this year, Planning appears to have concluded that the most defensible date is January 18th as starting the clock. In the light of the considerable and well-documented instances of conflicting data within the Notices and the Application, and in particular the complete absence of the essential power-input and power-output data, it is on that basis and on the basis of the incomplete and contradictory aspects of the Application and Notice, that the deadline start to run for approval of this Application will not start to run until those data are supplied, and they are still absent. Having so believed and so argued, nonetheless, even accepting the deadline that Planning has derived, under operation of Code of Civil Procedure 12a, this submission is timely May 7.

On the basis of all of the above considerations, this Application was never lawfully made, and on the basis of the flaws in the document itself, and in Notice, this Application should be denied, and the Applicant should be directed to file a new, and this time completed, Application. This Commission, and this City, need a sufficient period of time within which to further examine these data before any well-informed decision on this Application can be made.

Respectfully submitted,



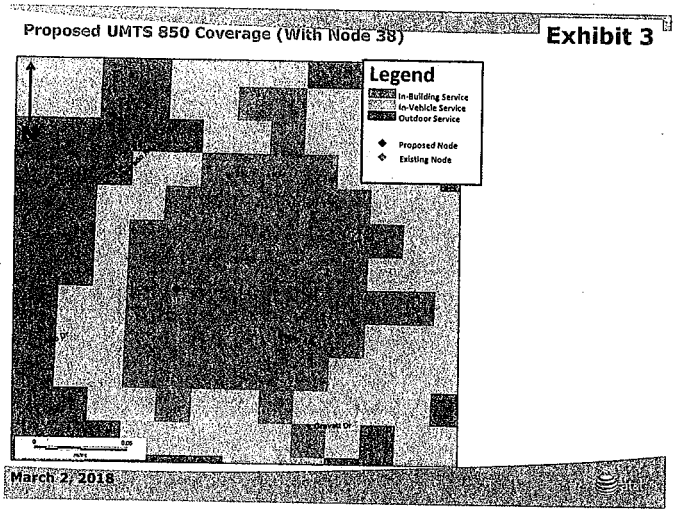
Harry V. Lehmann,
For Claremont Canyon resident
Lisa Applegate-Zimanyi

Submission Re: Proposal for New Cell Tower/Monopole at the Corner of Besito and Drury Rd. in Oakland, California PLN #PLN17374

Basis of Neighborhood Objections of Project
Presented by Lisa-Applegate Zimanyi on 5-7-18

#1 There is no Significant Gap in Coverage on which to base this application.

AT&T's contractors have given The City Of Oakland and our neighborhood residents deceptive information leading one to believe there is a significant gap in coverage in our neighborhood.



The image you see here, Exhibit 3, shows the coverage we are told AT&T will have after the tower is built.

Green denotes in building service,
Yellow denotes in vehicle service,
Blue denotes outdoor service.

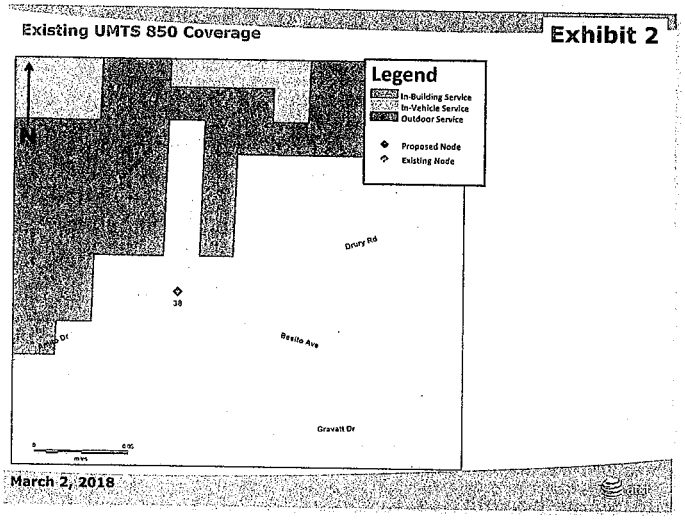


Exhibit 2 is a map of our current service. Again,
Green denotes in building service,
Yellow denotes in vehicle service
Blue denotes outdoor service.
Exhibit 2 shows a lot of white. Since there is nothing else besides In building, in vehicle, and outdoor white is clearly suggested to denote NO service.

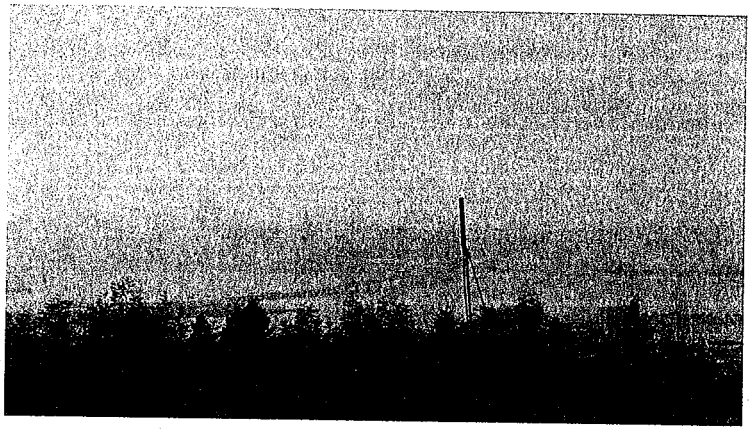
Please watch this video to see calls being made from an AT&T customer's phone #530-304-5266 all throughout AT&T's "No Service Areas" shown above.
https://www.youtube.com/watch?v=4rfY7eoo7rY&feature=youtu.be

In addition an additional experiment was done. Successful phone calls from an AT&T customer cell phone # 530-304-5266 were successfully made from all of these addresses which are in the "White Areas" of the "Before" coverage map! 11 Drury Lane, 17 Drury, 19 Drury, 25 Drury Lane, 28 Drury Lane, 36 Drury Lane, 1138 Drury Road, 1160 Drury Road, 1238 Drury Road,1325 Drury Road, 1333 Drury Road,1335 Drury Road ,#3 Drury Court, #21 Drury Court, 1168 Besito

Just to cover all bases Lisa Applegate-Zimanyi emailed the Black and Veatch representative. Ana Gomez on 3 occasions asking for clarification as to what the 'white" denotes on the map. Ana Gomez never gave an answer.

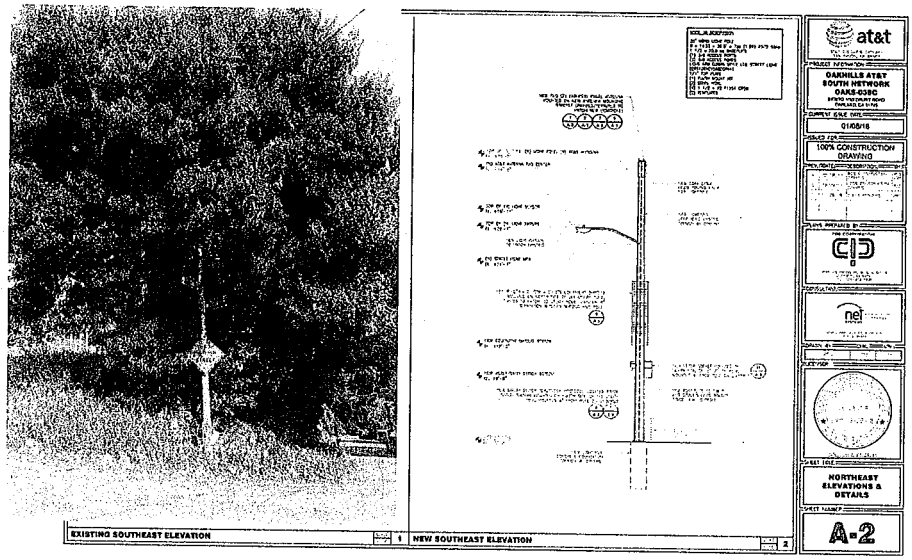
#2 The proposed Cell Tower Creates Unwanted Visual Clutter and Aesthetic Blight.

- After the Oakland Fire of 1991 our community was rebuilt with the wiring placed underground. This resulted in a very clear skyline which is a key aesthetic that defines our neighborhood.



AT&T Test Tower in Proposed Location

- The initial proposed AT&T Cell Tower Application, proposed to erect a 39'6" tall Cell Tower, replacing the current 25' lamp post, and more than doubling the width - which would protrude well above the tree tops. After immediate complaints by neighbors that the proposed tower would add aesthetic blight from many of their homes an amended proposal was made.



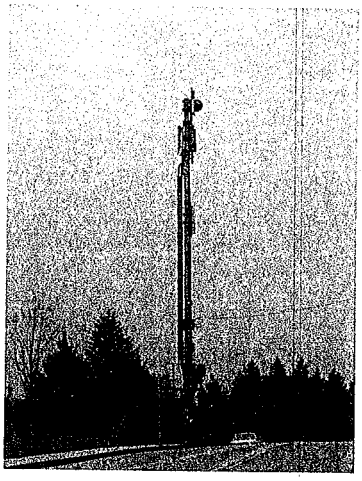
- The new proposal would be about 2' shorter than the original planned pole, which would be about the same height as the acacia trees are currently.
- There are 2 problems with this! **#1)** Bill Hammett the consulting engineer, on 5-1-18 stated in a phone conversation that the antenna do not work when placed within a tree canopy. **#2)** The private engineer and arborist we consulted with both confirm that due to the very close proximity of the pole and trees there will likely be damage done to the trees. Potentially making them unable to mask the cell tower as proposed by the applicant. Please see attached engineering and arborist reports!

#3 The Cell Tower breaks City of Oakland code.

Please see the letter from Attorney Kent Calfee for full detail.

#4 The Tower Is A Trojan Horse: Once Installed, Telecoms Can Increase Its Height And Cram Many More Antennas On It. Federal Regulations Make The City And Residents Powerless To Oppose This.

- Section 6409(a) of the Middle Class Tax Relief and Job Creation Act of 2012 mandates "State or local government may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station."
- This picture depicts what happened in Portland Oregon after their Cell Tower underwent one "unsubstantial" change after another. This Cell Tower started as an innocent 24' city approved pole. Section 6409(a) of the Middle Class Tax Relief and Job Creation Act left local government powerless in controlling its growth. Now the pole is a federally approved monstrous 61'.
- The fact is that right after installation the proposed cell tower can increase in height back to the original offensive height, **or higher**, and there is **nothing local government can do about it!**
- The City should choose a location where increased height or collocation will not cause aesthetic harm to our neighborhood.

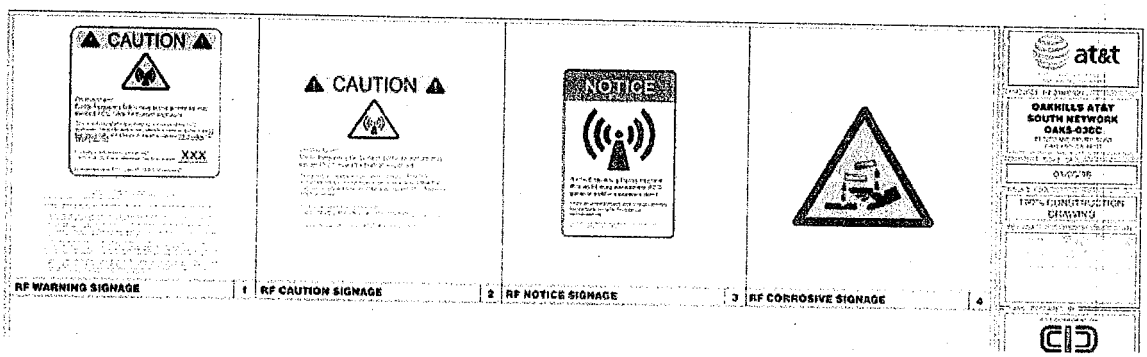


#5 We Ask The Planning Commission to Consider Not What The Proposed Cell Tower Will Look Like The Day It is Installed, But A Few Months Later.

- The antenna to be installed is the Kathrein 840-10525 65° Dualband, Four-Channel Directional Antenna. **According to Kathrein Sales and Tech support Kathrein 840-10525 was discontinued about two years ago. It is clear that this tower is only a place holder for what AT&T really wants to do!**
- **5G technology is ready to be rolled out! Telecoms are preparing to offer TV.**
- In an order published May 3rd, 2018 in the *Federal Register*, the FCC exempted small, unobtrusive cell towers used for 5G wireless networks from permitting under NEPA and the National Historic Preservation Act. https://www.federalregister.gov/documents/2018/05/03/2018-08886/accelerating-wireless-broadband-deployment-by-removing-barriers-to-infrastructure-investment
- With the FCC continuing to grab more power away from local government the Cell Tower growing/morphing within months of going in is inevitable!
- **This is the pivot point from which the City of Oakland will grant a conditional use permit AND deviate from its own code, which is designed to protect the rights of all parties involved, in order to give favor and almost unlimited power to AT&T on this Trojan Horse!**

#6 The Neighbors Of Claremont Canyon And The City of Oakland Have Joint Interests In Planning Now To Ensure Property Values And The City's Tax Revenue Are Protected For Years To Come.

- The proposed Cell Tower and its industrial vibe will substantially damage property values. Research indicates that over 90% of home buyers and renters are less interested in properties near Cell Towers AND pay less money for nearby properties. Drops in property prices over 20% were documented in multiple studies. https://ehtrust.org/cell-phone-towers-lower-property-values-documentation-research/
- 20% of the property value for just the four homes in the area most affected by the view obstruction is a extremely significant **joint loss of $ 1,455,156.00** according to estimates on www.redfin.com Crucially for the City of Oakland, lowered property values reduce property taxes. The question in front of the Planning Commission is therefore whether they wish to lower the County and City's income from property taxes.



#7 The City Government places undue burden on the neighbors to pay for radiation monitoring from their own resources if they want regular reports to make sure the Cell Tower's radiation emissions remain in safe levels.

- Our tower is less than 200 feet tall so it will not be registered with the FCC.
- **The State of California will not regularly monitor the proposed tower.**
- **The City of Oakland will not regularly monitor the proposed tower.**
- The only time the government will check the towers is if there are "certain" modification done to them.
- At this point since no government entity will be doing random checks we will have to rely on AT&T to watch out for our safety.
- On Friday April 13th a neighboring resident enquired with AT&T as to whether AT&T has any quarterly or biannual safety checks on their Cell Tower installations. First AT&T gave an incorrect answer. Then AT&T said the concerned neighbor would have to address safety concerns by mailing AT&T through the US Postal Service. **When a company specializing in speedy communications makes you send a US Postal Office letter to address safety concerns it is a clear sign that our safety is not a priority to them.**
- In addition asking a telecom company to monitor its own radiation levels is like asking a cigarette company to monitor its own nicotine levels.
- **There is no public notification to neighboring homes when cell tower radiation level is increased.**
- It is an unreasonable burden for a neighborhood to have to find its own RF expert to understand what radiation levels they are living under and that they stay safe. Making things more confusing is figuring out what is safe. There seems to be a lot of debate about what constitutes safe levels for 24 hour exposure. **On the FFC site "/encyclopedia/radio-frequency-safety" the requested page could not even be found.**

#8 AT&T Did not do due diligence in seeking alternate sites.

Please see the submitted document showing the incompetence in AT&T' s alternate site study.

#9 Not the least intrusive means to provide service.

In Claremont Canyon we have large lots with a lot of green space around us. Lamp posts are close to homes. Using a lamp post is absolutely not the least obtrusive means to provide service!

- We do not think it is reasonable to give AT&T any area to develop based on the deceptive information they supplied. We have made many offers to help identify alternative locations, with no follow through on promised criteria from the applicants. However, despite coverage being more than sufficient in our immediate vicinity, we have done additional research in the interest of finding a solution that would be less intrusive.

- When looking for alternative sites to locate the proposed cell tower, some neighbors mentioned the nearby fire station but that does not work. California fire fighters are exempt from the forced placement of cell towers on their stations due to health concerns. We would like to be exempt too!
- The utility area across the street from 1325 Drury at the Gwin Pumping Plant Site is one possible option we found which can be placed further away from homes.

#10 This project is highly opposed.

- We have 70 Signatures representing 51 households who have signed out petition to stop PLN # 17374! Please see petition signatures attached to additional materials submitted.
- On change.org we have more than 145 signatures https://www.change.org/p/city-of-oakland-planning-department-stop-the-proposed-at-t-cell-antenna-tower-case-no-pln17374-on-the-corner-of-drury-and-besito-and-preserve-the-charming-hillside-character-of-the-claremont-canyon-neighborhood?recruiter=773098&utm_source=share_petition&utm_medium=facebook&utm_campaign=share_petition.nafta_share_post_interaction.control&utm_content=ex94%3Acontrol

#11 It Is Legally Permissible by the Federal Courts For The City of Oakland To Deny This Application.

- According to an Oakland City Advising Attorney Harriet Steiner, denying a Cell Tower application based on preserving the character of a neighborhood and avoiding aesthetic blight is considered reasonable and thus permissible in federal courts." Advising City Local Officials on implementing the FCC's Wireless Rules Section 6409 (a) http://sananselmo-ca.granicus.com/DocumentViewer.php?file=sananselmo-ca_8397b41675b5de650a27df9d779ecbd7.pdf p. 7.

SUMMARY

Due to the results of reputable studies over the past few years we are very concerned about the health implications of living within such close proximity of a cell tower! Please see the appendix for more details. In addition there are no long term studies showing that it is safe to live with 24 hours radiation exposure next to a cell tower, and many of us telecommute. We do not want to be the guinea pigs!

Due to City of Oakland's limitations in opposing cell towers due to citizens health concerns we have provided a solid case opposing the proposed cell tower based sheerly on other factors.

We are requesting that AT&T and subcontractors immediately cease and desist from this proposed construction. Thank you for your attention to this matter.

Appendix

#1) The World Health Organization now lists mobile phone use in the same "carcinogenic hazard" category as lead, engine exhaust and chloroform.
http://scienceblog.cancerresearchuk.org/2011/05/31/who-verdict-on-mobile-phones-and-cancer/

#2) The World's Largest Animal Study on Cell Tower radiation confirms cancer link.
Researchers with the renowned Ramazzini Institute (RI) in Italy announce that a large-scale lifetime study of lab animals exposed to environmental levels of Cell Tower radiation developed cancer. A $25 million study of much higher levels of cell phone radiofrequency (RF) radiation, from the US National Toxicology Program (NTP), has also reported finding the same unusual cancer called Schwannoma of the heart in male rats treated at the highest dose. This study raises concerns that simply living close to a Cell Tower will pose threats to
human health. They advise that governments need to take measures to reduce exposures from Cell Tower emissions. Cell Towers should not be near schools, hospitals or people's homes.
https://www.sciencedirect.com/science/article/pii/S0013935118300367
http://www.thesleuthjournal.com/cell-tower-radiation-cancer-link-confirmed-study/

#3) The European Environmental Agency has said cell phones could be as big a public health risk as smoking, asbestos and leaded gasoline.
http://www.i-sis.org.uk/EEA_Highlight_Mobile_Phone_Cancer_Risks.php

#4) The German Study of 2004 - "The Influence of Being Physically Near to a Cell Phone Transmission Mast on the Incidence of Cancer" was one of the world's most complete studies of Cell Tower radiation impact. Their Ten year study conducted from 1994-2004, revealed that living within 400 meters of a Cell Tower greatly increased the risk of developing cancer.
http://www.tetrawatch.net/papers/naila.pdf

#5)The Israeli Study of 2004 - "Increased Incidence of Cancer Near a Cell-Phone Transmitter Station (a Cell Tower)"Study indicated an association between increased incidence of cancer and living in proximity to a Cell Tower. Those living near a Cell Tower are 4.15 times more likely to develop cancer.
Authors: Ronni Wolf MD, Danny Wolf MD
http://www.powerwatch.org.uk/news/20050207_israel.pdf

#6) file:///Users/lisaapplegate/Downloads/
Review%20of%20ecological%20effects%20of%20%20radiofrequency%20EM%20fields%202013.pdf

#7) file:///Users/lisaapplegate/Downloads/
Anthropogenic%20RF%20fields%20as%20emergent%20%20threat%20to%20wildlife%202015.pdf

#8) file:///Users/lisaapplegate/Downloads/
Electromagnetic%20pollution%20from%20phone%20masts%20effects%20on%20wildlife%202009.pdf

#9) http://media.withtank.com/cf9ae35027/waldmann-selsam_2016_scitotenv572p554-569_rf__trees.pdf

Rose, Aubrey

From:	Paul McGavin <paul.mcgavin@octowired.com>
Sent:	Wednesday, May 09, 2018 12:57 PM
To:	Merkamp, Robert
Cc:	Lisa Applegate; Perkins, Cynthia; Highsmith, Mariko; Rose, Aubrey; Peterson, Andrew C; Chak, Victoria; Nguyen, Thang; Spoerl, Peter; Patel, Bijal; Maxwell, Lisa; Bennett, Clea
Subject:	Public Records Act Request Records related to WTF (City of Oakland Records Request # 18-591) -- Response

May 9, 2018

Mr. Robert D. Merkamp
Interim Zoning Manager, City of Oakland
Dalziel Building, 250 Frank H. Ogawa Plaza, Suite 2114
Oakland, California 94612
510-238-3911

cc:
Lisa Applegate <applegate_dance@yahoo.com>
Cynthia Perkins <cperkins@oaklandnet.com>, Chief of Staff, Information Technology
Mariko Highsmith <mhighsmith@oaklandnet.com>, Building Inspection
Aubrey Rose <arose@oaklandnet.com>, AICP Planner III
Andrew Peterson <apeterson@oaklandnet.com>, Chief Information Officer
Victoria Chak <vchak@oaklandnet.com>, Administrative Analyst
Thang Nguyen <tnguyen@oaklandnet.com>, Real Estate Agent
Peter Spoerl <pspoerl@oaklandcityattorney.org>, Senior Deputy City Attorney
Bijal Patel <bpatel@oaklandcityattorney.org>, Special Counsel-Land Use and Real Estate Units
Lisa Maxwell <lmaxwell@oaklandcityattorney.org>, Deputy City Attorney
Clea Bennett <cbennett@oaklandcityattorney.org>, Paralegal

Dear Mr. Merkamp,

Will you please place this email/letter into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)? Thank you for your emails that I received the

afternoon of Tue 5/8/18, including the letter of May 8, 2018, quoted, below. Please read my responses, clarifications and requests in Sections **A** through **F**, below.

>>> On 5/8/18 @ 1:11 pm, Robert Merkamp wrote:

> Mr. McGavin,
>
> Thanks for your voicemails. In light of the difficulties obtaining access to the records, I'm letting you know that we will continue the item to a date certain of June 20th in order for proper time to inspect the records. **We are also working with the carrier to toll the shot clock on this matter.** Aubrey can let you know when that's concluded. In any event, they have been working cooperatively with us and have not raised the shot clock issue and have not started the noticing process themselves.
>
> Respectfully,
>
> Robert D. Merkamp

Thank you also for buidling in the extra time needed to complete the following before the new Planning Commission hearing date on June 20, 2018:

1. **A signed shot clock tolling agreement between AT&T and the City of Oakland** to ensure that the shot clock does not run out during the public review process of DAS Node OAKS-038C. We would like to ensure that the tolling agreement is signed, executed and placed in the file for DAS Node OAKS-038C by the end of this week.

2. **The public's inspection of the public records** responsive to the focused CPRA requests #18-591 and #18-824, within the time frames specified by the California Public Records Act.

3. **Answers from AT&T/Extenet** to the specific questions that were communicated to Vani Muller at AT&T on 5/4/18 and Hammett & Edison/Extenet on 5/8/18.

4. **The City of Oakland Planning Department completing its due diligence to a professional standard** to ensure that the application for the Wireless

Telecommunications Facility (WTF) proposed for DAS Node OAKS-038C is complete, which it is not as of 5/9/18.

A. City of Oakland Planning Department's Due Diligence Has not Yet Been Completed for the DAS Node OAKS-038C Application

The City of Oakland's Planning Department has a duty to complete its due diligence to a professional standard to ensure that the application for Wireless Telecommunications Facility (WTF) proposed for 1138 Drury, also known as DAS Node OAKS-038C is complete. The following are missing from the City of Oakland's file for OAKS-038C:

- **The radio and base station hotel model numbers** and power specifications, needed to verify the RF calculations provided by Hammett & Edison (H&E)

- **An analysis by an independent, third-party RF microwave radiation expert**, one who does not derive substantial income from for the Wireless Carriers (which disqualifies H&E), to independently assess the existence/non-existence of a significant gap in AT&T coverage in the Claremont Canyon neighborhood and to provide 30-minute data logs of RF microwave radiation exposures (capturing the series of peaks of RF microwave radiation that occur over those thirty minutes) at a minimum of ten locations throughout the Claremont Canyon neighborhood -- to assess the need for any proposed CPRMA installations in the neighborhood.

- **The City of Oakland has the duty to accurately assess the current, existing RF microwave radiation exposure environment** with 30 minutes logs of peak RF microwave radiation metered in ten or more locations throughout the Claremont Canyon neighborhood. The City must also assess the **resulting** RF microwave radiation exposure **changes** in the neighborhood, due to the proposed WTF installation, reported in sufficient detail to accurately describe the resulting RF microwave radiation environment.

- **An analysis by an independent, third-party real estate expert**, one who does not derive substantial income from for the Wireless Carriers, to assess the drop in property values faced by homes that are located within 500 feet of Wireless Industry Microwave Radiating Antennas.

- **A thorough alternate site analysis that identifies the least intrusive means** to close any alleged significant gap in AT&T coverage, which includes exploring

locations in the hills surrounding the Claremont Canyon neighborhood by placing the cell towers at least 1,500 feet from residences.

B. CPRA requests #18-591 and #18-824

Mr. Merkamp, your 5/8/18 email responses and letter were fifteen (15) days after Lisa Applegate submitted her first California Public Records Act request, a date which is confirmed by the City of Oakland's web site:

- https://oaklandca.nextrequest.com/requests/18-591
- http://scientists4wiredtech.com/oakland/cpra-request/

Therefore, it is clear that the City of Oakland has not complied with the CA Government Code § 6253.(c) of the California Public Records Act.

CA Government Code § 6253.(c) states:

> "Each agency, upon a request for a copy of records, shall, **within 10 days from receipt of the request, determine whether the request, in whole or in part, seeks copies** of disclosable public records in the possession of the agency and shall **promptly notify the person making the request of the determination and the reasons therefor. In unusual circumstances**, the **time limit** prescribed in this section **may be extended by written notice** by the head of the agency or his or her designee to the person making the request, setting forth the reasons for the extension and the date on which a determination is expected to be dispatched. **No notice shall specify a date that would result in an extension for more than 14 days.** When the agency dispatches the determination, and if the agency determines that the request seeks disclosable public records, the agency shall state the estimated date and time when the records will be made available. As used in this section, "**unusual circumstances**" means the following, but only to the extent reasonably necessary to the proper processing of the particular request . . ."

Also, **CA Government Code § 6253.9.** states:

> "(a) Unless otherwise prohibited by law, any agency that has information that constitutes an identifiable public record not exempt from disclosure pursuant to

this chapter that is in an electronic format **shall make that information available in an electronic format** when requested by any person and, when applicable, shall comply with the following:

(1) The agency shall make the information available in any electronic format in which it holds the information.

(2) Each agency shall provide a copy of an electronic record in the format requested if the requested format is one that has been used by the agency to create copies for its own use or for provision to other agencies. The cost of duplication shall be limited to the direct cost of producing a copy of a record in an electronic format"

So, counting the days from 4/23/18, the date the City received Lisa Applegate's CPRA request, it is clear that 24 days from 4/23/18 identifies Thu 5/17/18 as the date that the City of Oakland must produce the records responsive to Ms. Applegate's 4/23/18 CPRA request. We note that Thu 5/17/18 is **six days earlier** than the date you identified, 5/23/18. We would appreciate the City of Oakland respecting the date specified by the process described in CA Government Code § 6253.(c).

May we please have your commitment to produce the public records responsive to Ms. Applegate's 4/23/18 CPRA request by Thu 5/17/18?

C. Current Status of Oakland's Response to CPRA Requests #18-591 and #18-824

The public has a need to inspect all the public records available from 1/1/16 to the present regarding the City of Oakland's process to consider, plan for and subsequently install Close Proximity Microwave Radiation Antennas (CPMRA) on and around Utility poles, light poles and other street furniture in Oakland, CA's public rights of way.

Receiving the seven files in .eml format from Victoria Chak on 5/7/18 was our **first opportunity** to review this partial content, since the document that was uploaded to the https://oaklandca.nextrequest.com/requests/18-591 page, **PRR.pdf, contains no substantive content** -- an error which persists uncorrected through Noon on 5/9/18.

Here is the list of the documents I received (a partial delivery, only) from Victoria Chak on 5/7/18; each contains one or more emails, but no attachments.

1. FW-RE-Oakland-Verizon-Small-Cell-MLA-Review.eml

2. FW-Oakland-ExteNet-Follow-Up-Design-Review-Meeting-on-Tue.-7-12-at.eml
3. FW-Verizon-Meeting-Request-8-2.eml
4. FW-Review-of-ExteNet-Encroachment-Excavation-Applications-for-Port.eml
5. FW-Template-License-Agreement.eml
6. FW-Vinculums-AT&T-CRAN-Oakland-MAA-Comments.eml
7. FW-Mobilitie-Oakland-Master-License-Agreement.eml

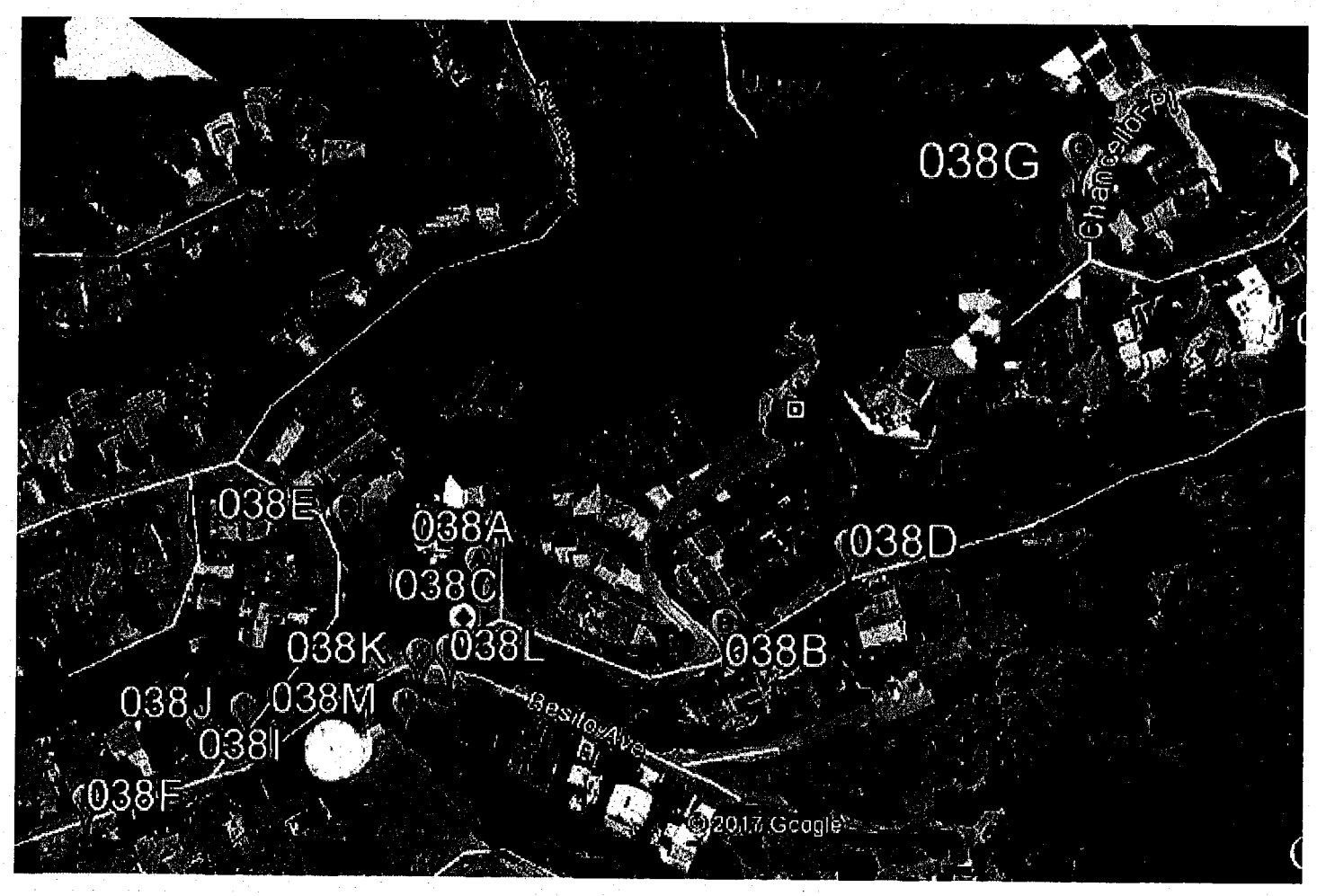
The emails contained in these seven .eml files did **not include attachments** for the referenced master licensing agreements (redlined or final versions) that the City of Oakland apparently executed with the various Wireless carriers: AT&T, Verizon, Mobilitie and others. CPRA request #18-591 includes the inspection of any agreements between the City of Oakland and all Wireless carriers.

Will you please email pdfs of all such master licensing agreements to Lisa Applegate and myself today?

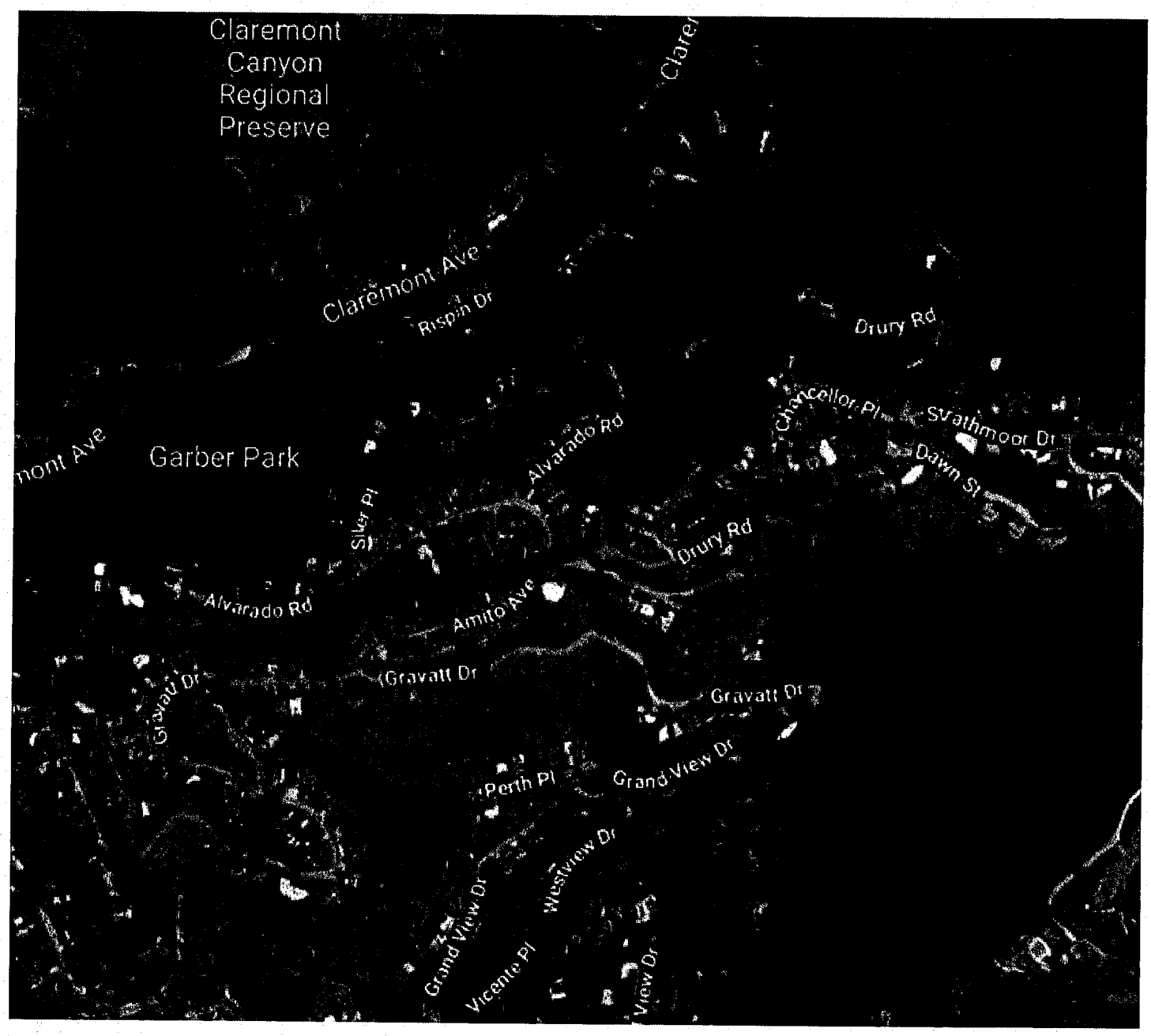
D. Need for Additional Alternate Site Analyses

The 1/09/18 **ATT-DAS-OAKS-038C-Alternative-Site-Analysis-01-09-18.pdf** does not show true alternative sites, because it shows only one type of site -- antennas attached to the light poles in the public rights of way, which could never qualify as the least intrusive means to close a significant gap in coverage, when less intrusive sites are available.

The map in the pdf shows the mental blinders that AT&T/Extenent/Black & Veatch must have been employing when completing this one-trick-pony alternative site analysis:



If one widens one's field of view, one can easily see the least intrusive means to close any alleged significant gap in AT&T coverage in the Claremont Canyon neighborhood. If the Grizzly Peak location is good enough for KPFA-FM Berkeley, it is certainly good enough for AT&T.



Note all the green areas surrounding the Claremont Canyon neighborhood. Placing cell phone towers there would clearly be **the least intrusive means** for AT&T to close any significant gaps in coverage in the Claremont Canyon neighborhood. The application **remains incomplete**, because **the application did not consider** these viable and less intrusive sitings for cell towers. **It might be best to withdraw** the DAS Node OAKS-038C (Oakland Case No. PLN17374) application altogether and **start over** targeting these viable and less intrusive potential cell tower sitings locations that are are at least 1,500 feet away from homes.

E. The City of Oakland Must Regulate WTF Installations In Order to Protect Residents' Inalienable Rights to Safety and Privacy

Local cities' authority has been preempted only for the **placement**, **construction** and **modification** of Wireless Telecommunications Facilities (WTFs), but the duty to regulate the **operations** of WTFs remains with the local city per Congressional intent because it is the **cities' duties to protect both the privacy and safety** of residents -- their inalienable, constitutional rights, guaranteed by Article I, Section 1 of the CA constitution. Installing WTFs using the **least intrusive means** would allow cities to fulfill these duties.

Scientists For Wired Technology helped secure the 10/15/17 Governor Brown Veto of CA SB.649 "Wireless Tools of Commerce" (the so-called "Small Cell" bill). We worked for six months, full-time on this and were instrumental in opposing SB.649, educating CA Senators and Assemblymembers and securing Governor Brown's veto :

- The Governor heard opposition from many groups that were very dedicated to defeating this bill, including from over 300 CA Cities and a majority of CA counties

- The Governor's staff was made well-aware of the downsides of SB.649 for six months

- I was able to speak directly with Governor Brown at the Community meeting in Santa Rosa on 10/14/17 (about the CA Fires) -- 24 hours before he made his veto decision; **we discussed how Small Cells would be a fire hazard** and how the **Wireless alert systems failed** to warn Californians, while the Wireline reverse-911 calls worked on traditional copper landlines to warn Californians (we have about 50 dead/missing in Sonoma County alone) -- http://scientists4wiredtech.com/2017/10/thank-you-gov-brown/

- There is a **significant liability** that is being transferred from the Wireless Companies to the City of Oakland in the act of melding private microwave transmitting antennas on publicly-owned light poles and utility poles, creating a **dangerous condition of public property**, as well explained in the letter at these links, and attached:

    - http://scientists4wiredtech.com/2017/10/gov-brown-be-smart-veto-sb649/

    - http://scientists4wiredtech.com/wp-content/uploads/2017/10/2017-0719-SB649-CA-Liability-Lehmann-to-Galehouse.pdf

This is extremely important because before serving, the Mayor and the other Oakland City Council members have each taken an oath to uphold the US and CA Constitutions, which means that they must act to protect Oakland residents' inalienable rights to **privacy** and **safety**. Placing 4G/5G so-called "Small Cell" cellphone towers installed in Oakland's residential zones violates both Constitutions, the 1996 Telecommunications Act and the American with Disabilities Act, as explained fully here: http://scientists4wiredtech.com/2018/01/powerful-comment-opposing-fcc-docket-17-84/.

F. Comments responsive to your 5/8/18 letter

>>> On 5/8/18, Robert Merkamp wrote:

> Re: Public Records Act Request Records related to Wireless Telecommunications Facilities (City of Oakland Records Request #18-591)
>
> Dear Mr. McGavin:
>
> City staff has reviewed your April 23, 2018 request for a number of classes of records' related to applications submitted to the City for the placement, construction, modification or colocation of fiber optic cable and wireless telecommunication facilities, as well as related legislative materials, emails and written correspondence,
>
> By email dated 5/7/18, Administrative Analyst Victoria Chak transmitted seven responsive records through the City's Next Request system, It is my understanding that she followed up this transmittal with duplicate copies of these files in .eml format per your request.

Comment: As detailed above, Victoria Chak's attempted transmittal of seven responsive records through the City's Next Request system failed. The duplicate copies that I received by email were the only documents that had substantive content.

> I further gather that you (as well as Lisa Applegate) have communicated separately via phone conversations and in person with various City of Oakland employees and officials with respect to this request. The purpose of this letter is to provide an update as to your renewed request for public

records under Oakland Request Number #18-591.

I am informed that, following discussion of your request with Senior Deputy City Attorney Peter Spoerl over the telephone on May 7th, you declined to focus or narrow the initial parameters of your request.

Comment: I believe you were misinfomed about this conversation with Deputy City Attorney Peter Spoerl. There are two CPRA requests at the moment:

1. https://oaklandca.nextrequest.com/requests/18-591
2. https://oaklandca.nextrequest.com/requests/18-824

The second is a subset of the first. The first request is already focused to provide the perspective of how the DAS Node OAKS-038C project has been handled: either similar to or different than other other WTF installations in Oakland. We are interested in ensuring that the public processes are being respected and followed.

While the request does identify a number of broad classes of identifiable records, our review of the request will require the examination and review of a number of separate and distinct records, some of which may be exempt from disclosure under specific exemptions of the California Public Records Act. Your request identifies a wide array of records potentially in the City's possession which staff anticipates may generate a large volume of additional records subject to disclosure. Assembling all of the responsive records will require staff to search for and collect records from numerous offices and facilities.

Comment: According to the CALIFORNIA PUBLIC RECORDS ACT (CPRA), Government Code Sections 6250-6276.48 (January 2004), the City of Oakland is a local government agency, subject to all provisions of the CPRA. The intent of CPRA is for Oakland's employees to assist members of the public to get the information that they request. Members of the public will not always know on which artifacts (reports, email, calendar entries, text messages, hand-written notes, financial records, phone records, memories) the information they request will reside, so it puts the public at a disadvantage. Hence the need for assistance from the government employees, as stated in CA law.

The City of Oakland is not a private company and is not afforded the same levels of confidentiality that a private company might enjoy. The City of Oakland is a local government agency, subject to all provisions of the CPRA. Californians' state and local

governments must conduct their business in the open -- nearly all of it in the open, except for personnel matters. All of the information that is not covered by exemptions is available for inspection by members of the public.

Additionally, your request requires the City to coordinate with the City's Information Technology department to construct a computer report to extract responsive emails (as explained by Cynthia Perkins by email dated May 7th, 2018).

We will make these records available to you as promptly as is possible given the breadth of the request in accordance With the City's Obligations under Government Code 6253(b).

Accordingly, we expect to notify you of the volume of all non-exempt records that are responsive to your request, and to be able to make those records available for inspection during regular business hours (or through the City's NextRequest records request platform) no later than Wednesday, May 23, 2018.

In response to concerns you have communicated with respect to the pending Planning Commission hearing on DAS Node OAKS-038C (Oakland case No. PLNI 7374), in order to allow you and your clients sufficient time to review any additional records that may be generated pursuant to your request, we will be continuing the item from its originally calendared date of May 16, 2018 to a date certain of June 20, 2018.

I trust that this letter responds to your April 23, 2018 public records request. Please let me know if you have any additional questions or concerns.

Comment: I have addressed my additional questions and concerns above,

Very truly yours,

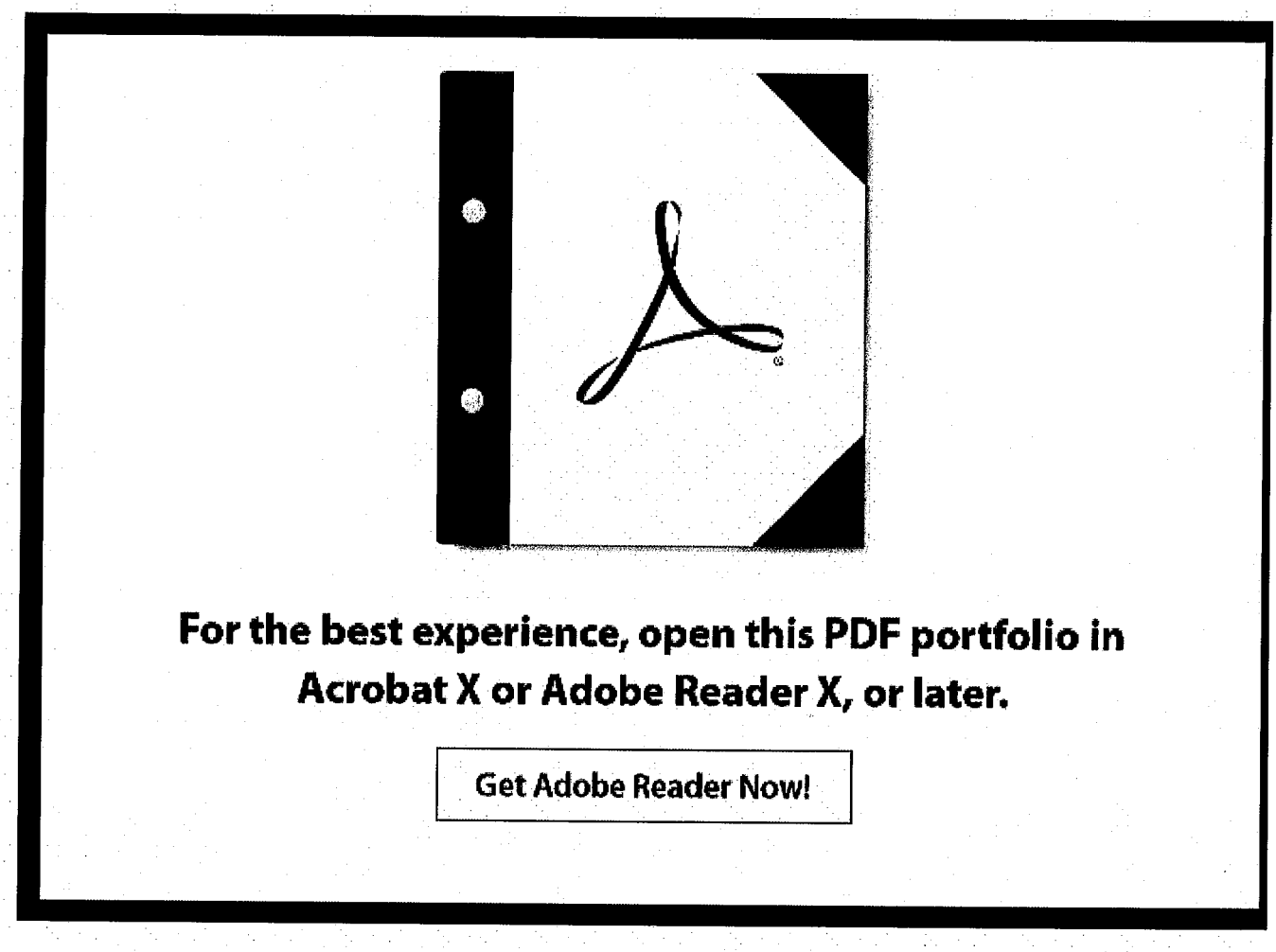
Robert Merkamp <rmerkamp@oaklandnet.com>, Interim Zoning Manager

cc:

Lisa Applegate <applegate_dance@yahoo.com>
Cynthia Perkins <cperkins@oaklandnet.com>, Chief of Staff, Information Technology
Mariko Highsmith <mhighsmith@oaklandnet.com>, Building Inspection
Aubrey Rose <arose@oaklandnet.com>, AICP Planner III
Andrew Peterson <apeterson@oaklandnet.com>, Chief Information Officer
Victoria Chak <vchak@oaklandnet.com>, Administrative Analyst
Thang Nguyen <tnguyen@oaklandnet.com>, Real Estate Agent
Peter Spoerl <pspoerl@oaklandcityattorney.org>, Senior Deputy City Attorney
Bijal Patel <bpatel@oaklandcityattorney.org>, Special Counsel-Land Use and Real Estate Units
Lisa Maxwell <lmaxwell@oaklandcityattorney.org>, Deputy City Attorney
Clea Bennett <cbennett@oaklandcityattorney.org>, Paralegal

>>> On 5/7/18, Paul McGavin wrote:

As you can see below, the due date for #18-591 was 5/3/18, but as of 5/7/18 at 3:00 pm, we have not been able to download or receive a PRR.pdf document that has any content, other than the following:



>>> On 5/7/18, Cynthia Perkins wrote:

Mr. McGavin,

I completely understand your frustration and truly wish I could give you a more definitive answer, unfortunately it is just not possible to do so. The technician who manages the search process for my office is out today, however I have left instructions for him to run the email search submitted by Ms. Applegate last week as first priority in the morning. I cannot tell you how long it will take because it depends on how much information is netted. Additionally, once the search has been completed, the information must then be vetted by someone in the building and planning department to ensure no confidential information is contained within the emails. Again, I cannot tell you how long that process takes as it is not being performed in

my office.

Please know that we are doing all we can to get you the information you are seeking and no City staff person is intentionally giving you the run around. Feel free to call me tomorrow should you wish to discuss this further.

Cynthia Perkins
510.238.4702

From: Highsmith, Mariko
Sent: Monday, May 07, 2018 4:01 PM
To: Perkins, Cynthia <CPerkins@oaklandnet.com>
Subject: FW: Problems with CPRA Requests of City of Oakland: #18-591 and #18-824 and The Need for a Reasonable Accommodation for the Processing and Review of DAS Node OAKS-038C (Oakland Case No. PLN17374)

Hi Cynthia,

Below is his email. I called him back as well and explained that only one search can be performed at time. It cannot be estimated how long the search will take to be performed because it is based on the search terms and how much data exists to be searched through which is not known up front.

Thanks for your help,
Mariko

Thank you for your help so far. We are looking forward to receiving and reviewing the additional information as soon as possible.

--
Regards,

Paul McGavin
Octowired, LLC
work: 415-382-4040
text: 707-939-5549
skype: paulmcgavin

Rose, Aubrey

From:	Paul McGavin <paul.mcgavin@octowired.com>
Sent:	Wednesday, May 09, 2018 5:36 PM
To:	Merkamp, Robert
Cc:	Rose, Aubrey; Chak, Victoria; Nguyen, Thang; Spoerl, Peter; Patel, Bijal; Maxwell, Lisa; Bennett, Clea; Lisa Applegate
Subject:	Inspecting Wireless Carrier Master Licensing Agreements

May 9, 2018

Mr. Robert D. Merkamp
Interim Zoning Manager, City of Oakland
Dalziel Building, 250 Frank H. Ogawa Plaza, Suite 2114
Oakland, California 94612
510-238-3911

cc: Aubrey Rose <arose@oaklandnet.com>, AICP Planner III
Victoria Chak <vchak@oaklandnet.com>, Administrative Analyst
Thang Nguyen <tnguyen@oaklandnet.com>, Real Estate Agent
Peter Spoerl <pspoerl@oaklandcityattorney.org>, Senior Deputy City Attorney
Bijal Patel <bpatel@oaklandcityattorney.org>, Special Counsel-Land Use and Real Estate Units
Lisa Maxwell <lmaxwell@oaklandcityattorney.org>, Deputy City Attorney
Clea Bennett <cbennett@oaklandcityattorney.org>, Paralegal
Lisa Applegate <applegate_dance@yahoo.com>

Dear Mr. Merkamp,

Will you please place this email/letter into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)?

Thanks for your response, Mr. Merkamp.

>>> On 5/9/18, Merkamp, Robert wrote:

As for your request that I provide you with the Master Licensing Agreements by the end of the day, I can't accommodate your request as those records are not in my department. In speaking with Real Estate (who is the keeper of the documents you seek) they told me you were informed that they had provided to you yesterday everything they could and that otherwise you would need to contact the City Attorney's office. When I (or another City official) responds, on May 23rd, to inform you of the volume of additionally responsive records and to make those records available to you, the will identify any records that have been withheld or determined exempt, and identify the statutory basis for the withholding and the City officials responsible for those determinations.

As to your other issues and anything else related to the project, please work directly with Aubrey Rose on these matters as he's the case planner and is going to be more immediately available to you and your client than I can be.

We are not asking for copies, just inspection of public records. You recognize that, right? Therefore the public has the right to inspect any public records available at the City of Oakland in real-time, without a lengthy delay. Of course, we also understand that a volume of records takes time to compile, so if you wish us to wait another six days from 5/17/18 to 5/23/18 for the volume of records, we will consider that a reasonable delay that we can accept.

With respect to the master licensing agreements (MLAs) -- fewer than ten such documents, I would surmise -- it is the public's right to inspect those records, on the spot -- in real-time. In this email, we are cc'ing Thang Nguyen and Victoria Chak in the Real Estate Department and the staff in the City Attorney's office to request pdfs of these documents emailed to Lisa Applegate and Paul McGavin or an appointment to inspect the signed paper versions of these MLAs at the City of Oaklland Real Estate office. I don't see any legal basis for your statement the Real Estate office has "provided to you yesterday everything they could". CPRA request #18-591 has been reopened.

The Public Records Act is clear: if the public record is on site and is not exempt, the public has a right to inspect it. As these master license agreements are executed documents, not dealing with personnel matters, they are not exempt. For perspective, I have received pdf versions of every MLA requested from every other city that we have worked with. There is no special status granted to the City of Oakland to hide MLAs from public inspection.

We have no interest in "he said/she said" cross-departmental finger pointing and

delays. We only have interest in inspecting the public records that we seek. As we read the seven .eml documents that we received from Victoria Chak on 5/7/18, we learned about these other MLAs and now wish to read them as soon as possible, since they were mistakenly not included as attachments in the first CPRA delivery.

I will address/cc all future correspondence to both you and Aubrey Rose.

Thank you.

--

Regards,

Paul McGavin
Octowired, LLC
work: 415-382-4040
text: 707-939-5549
skype: paulmcgavin

Rose, Aubrey

From: Paul McGavin <paul.mcgavin@octowired.com>
Sent: Wednesday, May 09, 2018 3:06 PM
To: Vani Muller
Cc: Merkamp, Robert; Rose, Aubrey; Matthew Dorshorst; Lisa Applegate
Subject: Continuing Problems with Missing Information for DAS Node OAKS-038C (Oakland Case No. PLN17374)

May 9, 2018

Ms. Vani Muller
AT&T
5001 Executive Parkway
San Ramon, CA 94583
510-258-1703

cc: Robert Merkamp
Aubrey Rose
Matthew Dorshorst
Lisa Applegate

Re: Continuing Problems with Missing Information for DAS Node OAKS-038C (Oakland Case No. PLN17374)

Dear Ms. Muller,

This first paragraph is directed to Mr. Merkamp and Mr. Rose. Will you gentlemen please place this email/letter into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)? Thank you for doing so.

Ms. Muller, Lisa Applegate and I am getting the stiff-arm and run-around from AT&T's subcontractors: Hammet & Edison, Black & Veatch and Extenet. Are we also getting such a run-around from AT&T?

Extenet will not provide the requested project specifications and told me that I would have to get them directly from AT&T. I just spoke to Adam from Extenet at 866-892-

5327 and he said that he would not share the requested project information. Instead, he read the one sentence email from Ms. Gomez to me, quoted below, and said that he was told not to talk to me.

We discussed that I already knew that Extenet was the party that signed the master license agreement with the City of Oakland, it was a letter on Extenet letterhead (signed by Ms. Gomez as an agent of Extenet's) that referenced the application and that the application in the file was signed by Ms. Gomez as an agent for Extenet. After hearing this substantial information that indicates that it is very reasonable that Extenet to have the radio and power specifications that we are seeking, Adam confirmed he had the information, but would not provide it to me.

I asked Adam to tell me who said that Extenet should not talk to me. He would not answer. I asked if it was J.B. Dorshorst or someone from AT&T? He would not answer. I asked for J.B. Dorshorst's boss' name and phone number. Adam hung up on me.

This is the definition of a run-around --as is the following one sentence email from Ana Gomez -- which is both unhelpful and evasive

>>> On Tuesday, May 8, 2018, 11:55 am, Paul McGavin <paul.mcgavin@octowired.com> wrote:

> Hi, Paul and Lisa.
>
> AT&T's application has been filed with the City of Oakland and is available to the public. AT&T will present its application to a future Oakland Planning Commission meeting where the public can attend and speak on the application.
>
> Thank you,
>
> **Ana Gomez-Abarc**

Ms. Muller, is AT&T condoning this type of evasion from its subcontactors and its own employees?

Of course, Lisa Applegate and I were fully aware of every point in Ms. Gomez' email before you and I spoke on 5/4/18. Ms. Muller. We have asked, instead, for specific project information that has been left off of the project application and the detailed project plans.

We are aware that the Oakland Planning Commission meeting has been continued until June 20, 2018. We need the requested information well in advance of this June 20, 2018 Oakland Planning Commission meeting. As DAS Node OAKS-38C is a project that is being proposed for the **public** rights of way, transmitting into both **public** and **private** air space, the public has a right to see the full specifications of the equipment that AT&T/Extenet proposes to install into the public rights of way and any equipment feeding this installation.

No one from Black & Veatch, Extenet and now AT&T has returned phone calls since 5/4/18, except for one call from Extenet's Matt Dorshorst -- who is now avoiding taking my calls.

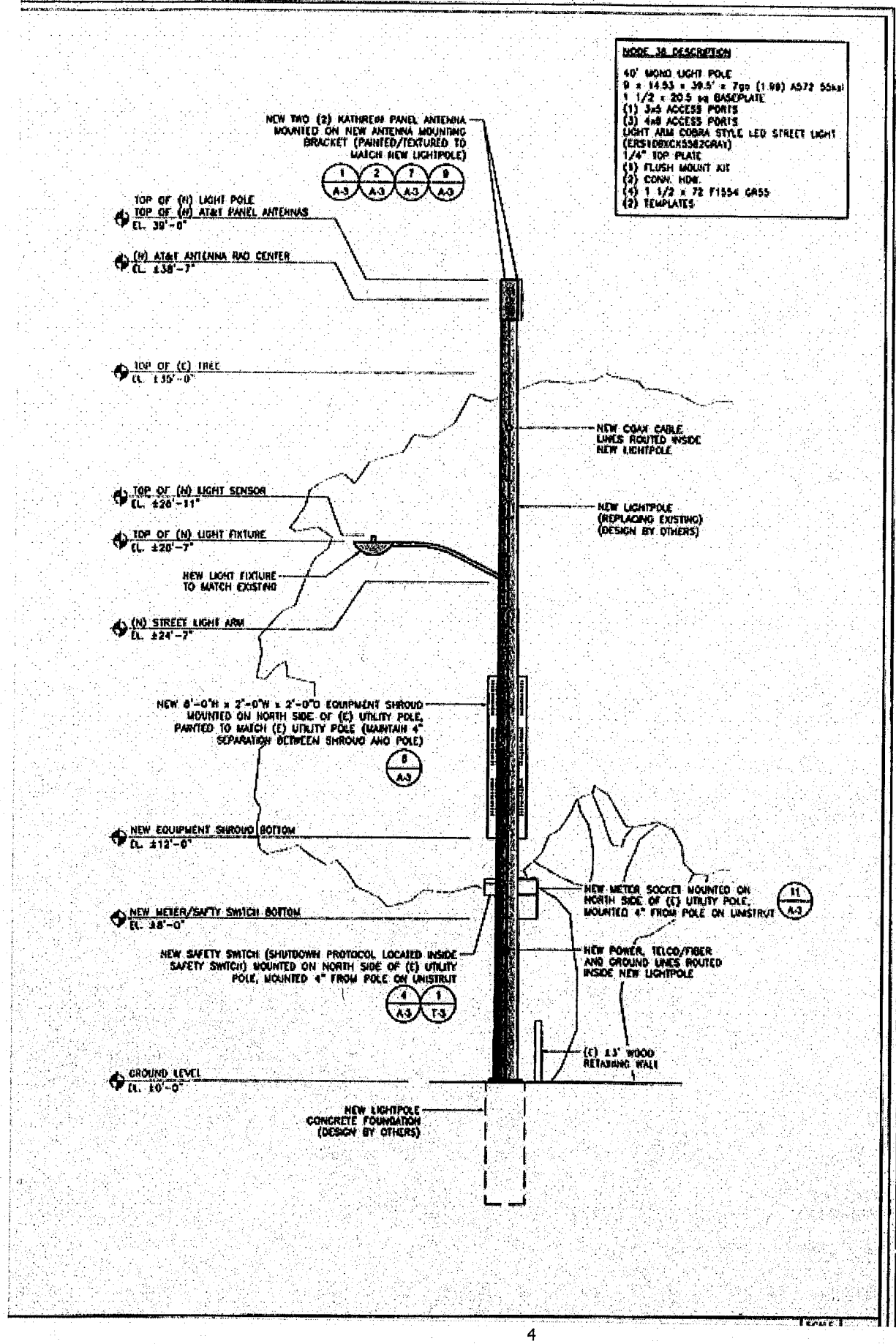
>>> On Tuesday, May 8, 2018, 11:10 am, Paul McGavin <paul.mcgavin@octowired.com> wrote:

I just heard back from Matt Dorshorst (known as JB), an Extenet employee in Illinois. He says he will gather some information for me and email it to me. I will see what he sends.

I have asked for this specific project information directly from you, Ms. Muller, and you promised to provide the information by Tue 5/8/18. Do you intend to provide the requested project information in a timely manner? If not, on what basis is AT&T/Extenent/Black & Veatch/Hammet & Edison hiding this information from the public?

Will you please respond to the voicemails that I left you yesterday and today and will please email me back let me know when we will receive the requested information?

1) The Hammett & Edison RF report states that the RF microwave radiation exposure analysis is based on the "drawings by PCD Corporation, dated June 29, 2017". Is the following image of the OAKS-038C installation design drawings the one on which you have based your your RF microwave radiation exposure analysis? Bill Hammet has not answered.



5001 EXECUTIVE PAR
SAN RAMON, CA 94

PROJECT INFORMATION:

OAKHILLS AT
SOUTH NETW
OAKS-038
BESITO AND DRURY
OAKLAND, CA 947

CURRENT ISSUE DATE:

06/29/17

ISSUED FOR:

100% CONSTRU
DRAWING

REV.	DATE:	DESCRIPTI
A	02/08/17	90% CONSTI DRAWING
0	04/29/17	100% CONS DRAWING

PLANS PREPARED BY:

FDC CORPORATIO

CONSULTANT:

DRAWN BY: RSD | CHK.: JBM

LICENSER:

REGISTERED PROFESSION SOHAIL SH No. C60216 EXP 06-30- CIVIL STATE OF CALIF

DATE SIGNED: 06/2

SHEET TITLE:

NORTHEA
ELEVATION
DETAIL

SHEET NUMBER:

A-2

2) In the ERP calculations resulting in frequency-specific ERP totals of 104 watts (for 1950 MHz) , 61 watts (for 870 MHz) and and 54 watts (700 MHz), what is the method used to combine these three separate ERP totals into the single power density number that H&E reports: 69,000 $\mu W/m^2$, based on an average RF microwave radiation exposures? Bill Hammet has not answered.

3) May we please get from you the power density projection number for each of the individual frequencies planned for the OAKS-038C installation? Bill Hammet has not answered.

- For 1950 MHz, when transmitting at an ERP of 104 Watts, how many ____ $\mu W/m^2$?
- For 870 MHz, when transmitting at an ERP of 61 Watts, how many ____ $\mu W/m^2$?
- For 700 MHz. when transmitting at an ERP of 54 Watts, how many ____ $\mu W/m^2$?

4) If **X**, **Y** and **Z** = the antenna input power levels for each of the three frequencies that H&E used to calculate the component ERP totals -- Can you please tell me **what are X, Y and Z**? Bill Hammet has not answered.

X = ____ Watts of input power, which yields 104 watts of ERP for 1950 MHz
Y = ____ Watts of input power, whichy yields 61 watts watts of ERP for 870 MHz
Z = ____ Watts of input power, whichy yields 54 watts watts of ERP for 700 MHz

5) The statement in the H&E report that "there are reported no other wireless telecommunications base stations at this site or nearby" seems to depend on the unstated definition of "nearby". The existing antennas surrounding the Claremont Canyon neighborhood are obviously contributing to the amount of RF microwave radiation in Claremont Canyon that already enable AT&T Phone calls. Can you please tell us what RF microwave radiation emitting antennas are within a five mile radius of the target DAS-NODE OAKS-038C installation? Bill Hammet has not answered.

6) What would be the signal strength for each target frequency (1950 MHz, 870 MHz and 700 MHz) in -x dBm units at projected antenna height and at projected ground level at eight points on a circular radius surrounding the two antenna-array at the various radii from the pole (at 50 feet to 1,500 feet in 50-foot increments) at the following max antenna input power levels: 100%, 75% , 50% , 25%, 10%, 5% and 1% of max antenna input power? AT&T/Extenet has not answered.

- Due North
- NorthEast
- Due East
- SouthEast
- DueSouth
- SouthWest
- Due West
- NorthWest

The 1/8/18 plans show no model number or power specs for the radios (the file only says "Quadband Flexwave Prism"). What little I could find was only general -- not specific to what is in this installation:

7) What is the model number of the Flexwave Prism being used and what is its maximum power inputs and outputs? AT&T/Extenet has not answered.

> "Tyco Electronics (TE)'s Flexwave Prism uses a centralized distributed architecture, service providers are able to recognize significant CAPEX/OPEX savings through a shared **Base Station Hotel** (multiple BTS co-located together), as well as a **shared Remote Radio Transceiver** approach. The Prism's flexibility and scalability offers service providers an optimal solution for multiple applications such as; dense urban centers, dense suburban areas, campuses, enterprise buildings, subways and tunnels. The Prism's distributed architecture and small form factor allows service providers to cost-effectively increase coverage and capacity in these hard-to-reach areas."

8) The **Base Station Hotel** is not shown anywhere on the 1/8/18 plans. Is there a **Base Station Hotel** and what are the **maximum power inputs** into each of the four channels of the Kathrein 840-10525 antenna to compare the energy efficiency of the following? AT&T/Extenet has not answered.

- Transferring a two-hour 1080p video (HD) **via fiber optic cable** from the target pole to various distances (from 50 feet to 1,500 feet, in 50 foot increments)
- Transferring a two-hour 2160p video (4k) **via fiber optic cable** from the target pole to various distances (from 50 feet to 1,500 feet, in 50 foot increments)

- Transferring a two-hour 1080p video (HD) **via Wireless** from the target pole to various distances (from 50 feet to 1,500 feet, in 50 foot increments)

- Transferring a two-hour 2160p video (4k) **via Wireless** from the target pole to various distances (from 50 feet to 1,500 feet, in 50 foot increments)

Also if there is a Base Station Hotel somewhere how is data traveling from the Base Station Hotel to the pole and back: **via fiber optic cable or Wirelessly**? AT&T/Extenet has not answered.

9) Finally, are the following specs correct? AT&T/Extenet has not answered.

Quad-Band 52.4" high x 12.2" wide x 11.2" deep | 188 lbs. | 3.40 cubic ft;

- 40 W 700 Upper C
- 40W 700 Lower AB
- 40 W Cell 850
- 40 W 1900 PCS
- 40 W 2100 AWS

I will look forward to your timely response, Ms. Muller.

Thank you.

--
Regards,

Paul McGavin
Octowired, LLC
work: 415-382-4040
text: 707-939-5549
skype: paulmcgavin

Rose, Aubrey

From:	Paul McGavin <paul.mcgavin@octowired.com>
Sent:	Thursday, May 10, 2018 10:21 AM
To:	Chak, Victoria
Cc:	Merkamp, Robert; Lisa Applegate; Perkins, Cynthia; Highsmith, Mariko; Rose, Aubrey; Peterson, Andrew C; Nguyen, Thang; Spoerl, Peter; Patel, Bijal; Maxwell, Lisa; Bennett, Clea
Subject:	Public Records Act Request Records related to WTF (City of Oakland Records Requests #18-591 and #18-824)

May 9, 2018

Mr. Robert D. Merkamp
Interim Zoning Manager, City of Oakland
Dalziel Building, 250 Frank H. Ogawa Plaza, Suite 2114
Oakland, California 94612
510-238-3911

cc:
Lisa Applegate <applegate_dance@yahoo.com>
Cynthia Perkins <cperkins@oaklandnet.com>, Chief of Staff, Information Technology
Mariko Highsmith <mhighsmith@oaklandnet.com>, Building Inspection
Aubrey Rose <arose@oaklandnet.com>, AICP Planner III
Andrew Peterson <apeterson@oaklandnet.com>, Chief Information Officer
Victoria Chak <vchak@oaklandnet.com>, Administrative Analyst
Thang Nguyen <tnguyen@oaklandnet.com>, Real Estate Agent
Peter Spoerl <pspoerl@oaklandcityattorney.org>, Senior Deputy City Attorney
Bijal Patel <bpatel@oaklandcityattorney.org>, Special Counsel-Land Use and Real Estate Units
Lisa Maxwell <lmaxwell@oaklandcityattorney.org>, Deputy City Attorney
Clea Bennett <cbennett@oaklandcityattorney.org>, Paralegal

Will you please place this email/letter into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)?

Yes, I agree with Victoria Chak that all substantial emails for the DAS Node Oaks-038C project (Oakland Case No. PLN17374) should be placed in the public record, including substantial emails regarding Public Records Act Requests #18-591 and #18-824.

I agree with Victoria's statement that the original postings of **some** responsive records from the Real Estate Division were at 1:17pm and 2:46pm on May 3, 2018, (i.e., within the 10 day period stipulated by CPRA) as shown in the NextRequest screenshot below, but that **these were in no way a complete submission** of public records responsive to our request and one of those records, **PRR.pdf**, contains no substantial information other than the following image -- **which is still true as of 5/10/18 @ 10:10 am**.

When we received the seven .eml files on 5/7/18 (four days after the 10 day period stipulated by CPRA) , **we could read the emails, but did not receive the attachments for those emails, which we still need**.

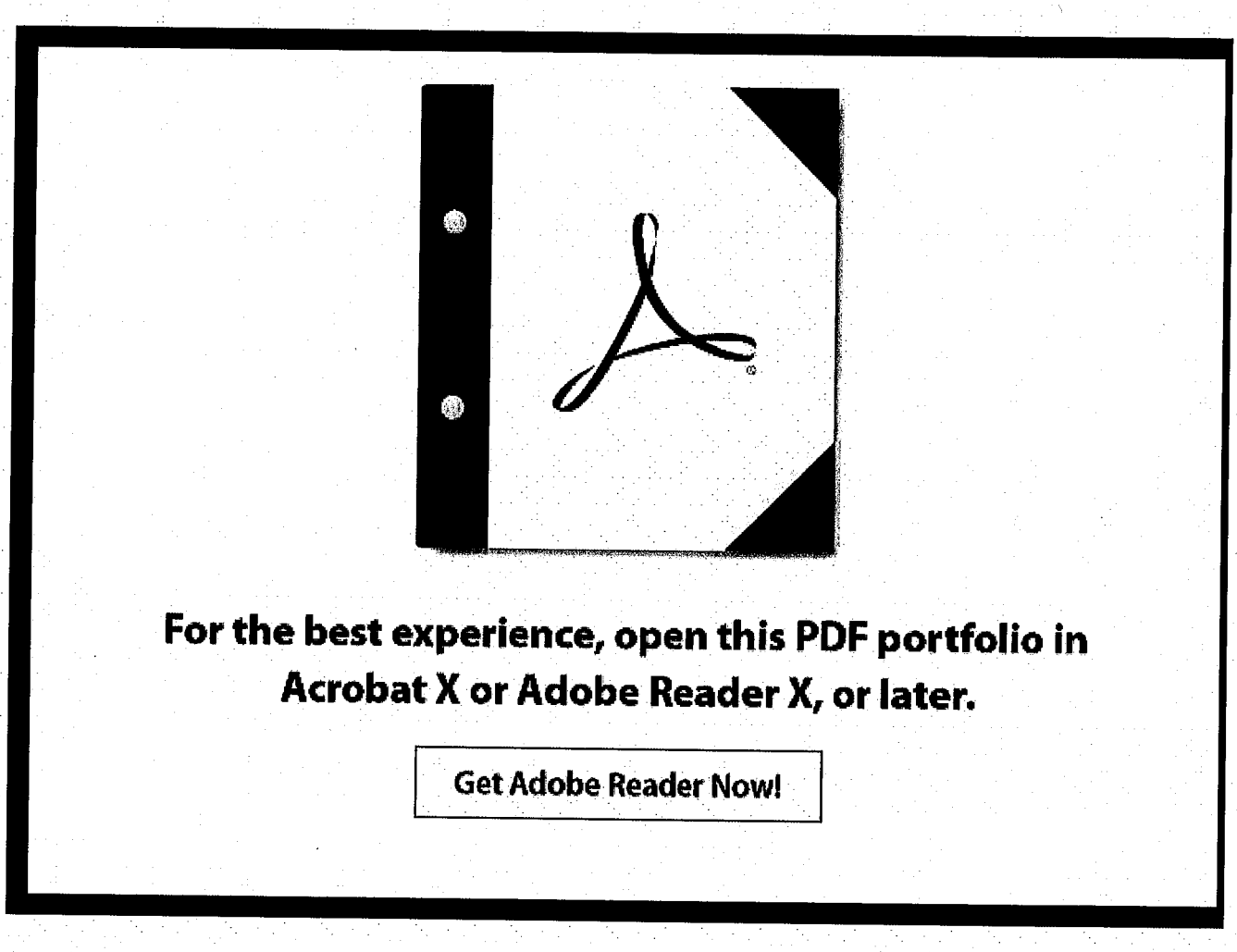
We agree. **Accuracy is important.**

I would hope that the City of Oakland would correct these errors as soon as possible. Will Victoria Chak please email all of the Master Licensing agreements that the City of Oakland has executed with the various Wireless companies to Lisa Applegate and Paul McGavin today?

Thank you.

>>> On 5/7/18, Paul McGavin wrote:

> As you can see below, the due date for #18-591 was 5/3/18, but as of 5/7/18 at 3:00 pm, we have not been able to download or receive a PRR.pdf document that has any content, other than the following:

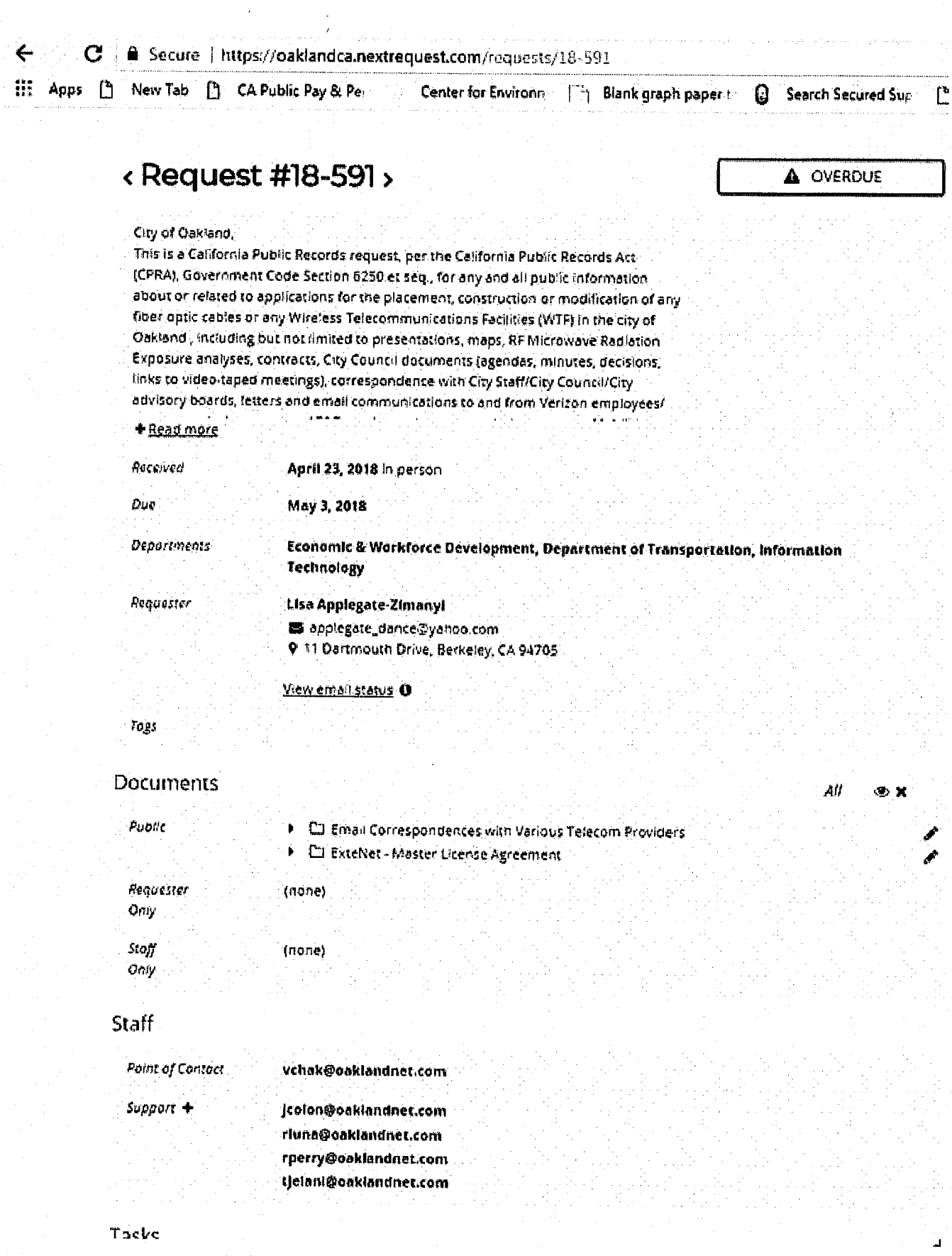


>>> On 5/10/18 Chak, Victoria wrote:

Good morning, Mr. McGavin et al.:

If this email thread is to be memorialized, in the interest of accuracy, please be advised that the date of the original postings of responsive records from the Real Estate Division were at 1:17pm and 2:46pm on May 3, 2018, (i.e., within the 10 day period stipulated by CPRA) as shown in the NextRequest screenshot below.

The same responsive records were resent via email to: paul.mcgavin@octowired.com on May 7, 2018, following Mr. McGavin's advisement that the file titled "**PRR.pdf**" or **"Email Correspondences with Various Telecom Providers"** was not accessible as posted.


Secure | https://oaklandca.nextrequest.com/requests/18-591
Apps
New Tab
CA Public Pay & Pe
Center for Environn
Blank graph paper t
Search Secured Sup
‹ Request #18-591 ›
OVERDUE
City of Oakland,
This is a California Public Records request, per the California Public Records Act (CPRA), Government Code Section 6250 et seq., for any and all public information about or related to applications for the placement, construction or modification of any fiber optic cables or any Wireless Telecommunications Facilities (WTF) in the city of Oakland , including but not limited to presentations, maps, RF Microwave Radiation Exposure analyses, contracts, City Council documents (agendas, minutes, decisions, links to video-taped meetings), correspondence with City Staff/City Council/City advisory boards, letters and email communications to and from Verizon employees/
+ Read more
Received
April 23, 2018 In person
Due
May 3, 2018
Departments
Economic & Workforce Development, Department of Transportation, Information Technology
Requester
Lisa Applegate-Zimanyi
applegate_dance@yahoo.com
11 Dartmouth Drive, Berkeley, CA 94705
View email status
Tags
Documents
All
Public
Email Correspondences with Various Telecom Providers
ExteNet - Master License Agreement
Requester Only
(none)
Staff Only
(none)
Staff
Point of Contact
vchak@oaklandnet.com
Support +
jcolon@oaklandnet.com
rluna@oaklandnet.com
rperry@oaklandnet.com
tjelani@oaklandnet.com
Tasks

Thank you.

Victoria C. Chak

Administrative Analyst II

City of Oakland

Economic & Workforce Development | Real Estate Asset Managment

250 Frank H. Ogawa Plaza | Suite 4314 | Oakland, CA 94612

(510) 238-3653 Direct| (510) 238-6784 Fax

vchak@oaklandnet.com

--

Regards,

Paul McGavin
Octowired, LLC
work: 415-382-4040
text: 707-939-5549
skype: paulmcgavin

Rose, Aubrey

From: Lisa Applegate <applegate_dance@yahoo.com>
Sent: Friday, May 11, 2018 8:08 PM
To: Rose, Aubrey
Subject: Fw: MORE THAN 200 OPPOSING SIGNATURES TO PLN#17374
Attachments: NO SIGNATURES-NO CELL TOWER AND DRURY AND BESITO.pdf

Hi Aubrey,
This one please. The signature PDF needs to be printed and added to the file.
You have a lot of extra pages from our change.org print out that **should not** be in the file. Please remove the pages from other peoples' petitions.

-Lisa

----- Forwarded Message -----
From: Lisa Applegate <applegate_dance@yahoo.com>
To: Aubrey Rose <arose@oaklandnet.com>; rmerkamp@oaklandnet.com <rmerkamp@oaklandnet.com>; wgilchrist@oaklandnet.com <wgilchrist@oaklandnet.com>; nagrajplanning@gmail.com <nagrajplanning@gmail.com>; jmyres.oakplanningcommission@gmail.com <jmyres.oakplanningcommission@gmail.com>; jfearnopc@gmail.com <jfearnopc@gmail.com>; tlimon.opc@gmail.com <tlimon.opc@gmail.com>; cmanusopc@gmail.com <cmanusopc@gmail.com>; amandamonchamp@gmail.com <amandamonchamp@gmail.com>; ew.oakland@gmail.com <ew.oakland@gmail.com>
Cc: dkalb@oaklandnet.com <dkalb@oaklandnet.com>; aguillen@oaklandnet.com <aguillen@oaklandnet.com>; lmcelhaney@oaklandnet.com <lmcelhaney@oaklandnet.com>; awashington@oaklandnet.com <awashington@oaklandnet.com>; dbrooks@oaklandnet.com <dbrooks@oaklandnet.com>; lreid@oaklandnet.com <lreid@oaklandnet.com>; atlarge@oaklandnet.com <atlarge@oaklandnet.com>
Sent: Monday, May 7, 2018, 9:47:26 PM PDT
Subject: MORE THAN 200 OPPOSING SIGNATURES TO PLN#17374

OVER 200 OPPOSING SIGNATURES TO PLN#17374-PROPOSED CELL TOWER AT BESITO AVENUE AND DRURY ROAD

Will you please place this email and attachment into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)?

THERE ARE NOW OVER 200 SIGNATURES IN OPPOSITION OF THE PROPOSED CELL TOWER THAT,
ACCORDING TO AT&T CONTRACTOR MAPS, WILL SERVE LESS THAN 25 HOMES.

MORE THAN 70 NEIGHBORS OPPOSED FROM ALL OF THE FOLLOWING ADDRESSES (SIGNATURES ATTACHED)

AMITO AVENUE

1023 Amito

1046 Amito

1050 Amito

1029 Amito

1001 Amito

1092 Amito

1096 Amito

1039 Amito

1024 Amito

DRURY LANE

10 Drury Lane

11 Drury Lane

17 Drury Lane

1 Drury Lane

28 Drury Lane

DRURY ROAD

1138 Drury Road

1325 DruryRoad

1160 Drury Road

1238 Drury Road

GRAVATT DRIVE

16 Gravatt

85 Gravatt

416 Gravatt

379 Gravatt

225 Gravatt

DARTMOUTH DRIVE

11 Dartmouth

25 Dartmouth

ALVARADO ROAD

1025 Alvarado

99 Alvarado

1215 Alvarado

975 Alvarado

910 Alvarado

789 Alvarado

665 Alvarado

245 Alvarado

733 Alvarado

970 Alvarado

50 Alvarado

1015 Alvarado

BESITO AVENUE

1160 Besito

1106 Besito

1112 Besito

EVERGREEN LANE

85 Evergreen

GRAND VIEW DRIVE

1086 Grand View

KENILWORTH ROAD

7096 Kenilworth

DAWN STREET

37 Dawn

CHANCELLOR PLACE

18 Chancellor Place

11 Chancellor Place

89 Chancellor Place

STRATHMOOR DRIVE

7 Strathmoor

108 Strathmoor

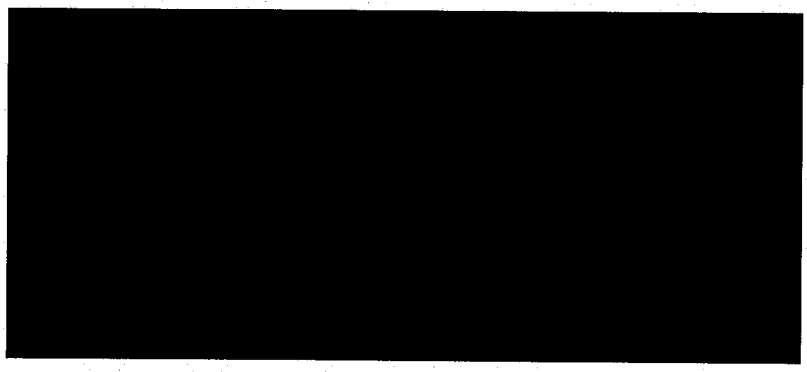
134 Strathmore

NORFOLK ROAD

7161 Norfolk

145 PEOPLE OPPOSED REPRESENTED IN OUR

CHANGE.ORG
ONLINE PETITION
Sign the Petition



Sign the Petition

City Of Oakland Planning Department: Stop the proposed AT&T cell antenna tower, Case No. PLN17374, on the corne...

https://www.change.org/p/city-of-oakland-planning-department-stop-the-proposed-at-t-cell-antenna-tower-case-no-pln17374-on-the-corner-of-drury-and-besito-and-preserve-the-charming-hillside-character-of-the-claremont-canyon-neighborhood?recruiter=773098&utm_source=share_petition&utm_medium=facebook&utm_campaign=share_petition.nafta_share_post_interaction.control&utm_content=ex94%3Acontrol

AND THERE ARE ADDITIONAL SIGNATURES AS WELL.

THE ATTACHMENT IS A COMPLETE RECORD OF ALL SIGNATURES COLLECTED.

STANDING IN OPPOSITION TO PLN #17374
PROPOSED CELL TOWER AT BESITO AVENUE AND DRURY ROAD

We have collected well over 200 signatures in opposition of a project that, according to the provided AT&T maps, will serve less than 25 homes.

145 PEOPLE OPPOSED REPRESENTED IN OUR CHANGE.ORG ONLINE PETITION

https://www.change.org/p/city-of-oakland-planning-department-stop-the-proposed-at-t-cell-antenna-tower-case-no-pln17374-on-the-corner-of-drury-and-besito-and-preserve-the-charming-hillside-character-of-the-claremont-canyon-neighborhood

MORE THAN 70 NEIGHBORS OPPOSED FROM ALL OF THE FOLLOWING ADDRESSES

AMITO AVENUE
1023 **Amito Golden State Warriors, Coach Kerr** and Margot Kerr
1046 Amito Jane Felter
1050 Amito Kenneth De Ande
1029 Amito Mark Ross Carran
1001 Amito Jonathon Ryshpan
1092 Amito Kodama Steve and Leslie
1096 Amito Cory Levenberg
1039 Amito Jack Valentine
1024 Amito Theodore Bielen and TJ Bielen Jr
1025 Alvarado Sarah Guthrie and Andrew Guthrie

DRURY LANE
10 Drury Lane
11 Drury Lane Kent and Susan Calfee
17 Drury Lane Angela and Richard
1 Drury Lane Patrick and Sharon
28 Drury Lane Lisa Nugent

DRURY ROAD
1138 Drury Road
1325 DruryRoad Kasumi Yatsuzuka
1160 Drury Road Geoffrey Watson
1238 Drury Road- Mary and Francois

GRAVATT DRIVE
16 Gravatt Steve Glazgrin and Eugeniyq
85 Gravatt Ramin Khashayor
416 Gravatt Beth McCleary

379 Gravatt Chris Bruni
225 Gravatt Touria Schmidt

DARTMOUTH DRIVE

11 Dartmouth Gergely Zimanyi and Lisa Applegate-Zimanyi
25 Dartmouth Brittany Dean

ALVARADO ROAD

99 Alvarado Stacey Fisater
1215 Alvarado Alexis Lee
975 Alvarado Hossein Afkhami, Shirin Fardin
910 Alvarado Ron Pereiz
789 Alvarado Max Breecker
665 Alvarado
245 Alvarado Peterson
733 Alvarado McEvilly
970 Alvarado Steve Bernstein
50 Alvarado Chris Reynolds, Peter Reynolds
1015 Alvarado Jaqueline Tully and Beth Abularia

BESITO AVENUE

1160 Besito Kathy Sandher
1106 Besito Michael McGinn and Deborah
1112 Besito Cary, Chloe Anzai

EVERGREEN LANE

85 Evergreen Earl Vaconcellos, Ray Vasconcellos

GRAND VIEW DRIVE

1086 Grand View

KENILWORTH ROAD

7096 Kenilworth Deismann

DAWN STREET

37 Dawn Mark Witsiol

CHANCELLOR PLACE

18 Chancellor Place- Karen Feldman, Niklaus Largier
11 Chancellor Place Stephen Teigland
89 Chancellor Place Daniel Neumarte

STRATHMOOR DRIVE

7 Strathmoor Devin Guan
108 Strathmoor Elaine Bild and Patrick Thorson
134 Strathmore zIngrid Bran

NORFOLK ROAD

7161 Norfolk Gisele Boriolu

31 SIGNATURES FROM THE DANCERS AND PARENTS OF APPLEGATE DANCE COMPANY WHICH REGULARLY USES THE YARD AT 11 DARTMOUTH DRIVE FOR SOCIAL EVENTS

SCROLL TO SEE ALL HARD COPY SIGNATURES

4-29-18

Dear City Of Oakland Planning Commission,

Please stop and abandon the proposed monopole cell tower at the corner of Besito and Drury!

Thank you,

Golden State Warriors, Coach Kerr

1023 Amito Dr
Berkeley 94705

Signatures- STOP PLN17374

Cell Tower on Drury and Besito

Name Margot Kerr Signature Margot Kerr

Date 4/25/18 Address 1023 Amito Berkeley 94705

Name Beth McCleary Signature Beth

Date 4/25/18 Address 416 Gravatt Drive

Name Touria Schmidt Signature

Date 4/27/18 Address 225 Gravatt Drive, 1

Name Stacey Fischer Signature

Date 4 27 18 Address 99 ALVARADO RD

Name Robert Risebrough Signature Robert Risebrough

Date 4/27/18 Address 218 GRANT DRIVE

Name Jack Valentine Signature Jack Valentine

Date 4/27/18 Address 1039 Amito Dr

Signatures- STOP PLN17374
No Cell Tower on Drury and Besito

* Name Theodore Bielen Signature [signature] 510 390 0111
Date 4/29/18 Address 1024 Amito Dr. Oakland CA 94705

Name T. J. Bielen, Jr Signature [signature]
Date 29 APR 2018 Address 1024 Amito Dr. Oakland CA 94705

Name Sarah Guthrie Signature Sarah Guthrie
Date 4/29/18 Address 1025 Alvarado Rd. Berkeley CA 94705

Name Andrew Steven Guthrie Signature Andrew Steven Guthrie
Date 4/29/18 Address 1025 Alvarado Rd, Berk. CA 94705

Name Jacqueline Tully Signature [signature]
Date 4/29/18 Address 1015 Alvarado Rd

Name BETH ABDELAHA Signature Beth Abdelahi
Date 4/29/18 Address 1015 Alvarado Rd.

Signatures- STOP PLN17374
No Cell Tower on Drury and Besito

Name DREISMANN Signature [signature]

Date 4-28-18 Address 7096 Kenilworth Rd

Name Mark Witsiol Signature [signature]

Date 4/28/18 Address 37 DAWN

Name Steve Bernstein Signature [signature]

Date 4/28/18 Address 970 Alvarado ~~Rd~~

* Name Chris Reynolds Signature [signature]

Date 4/28/18 Address 50 Alvarado Place, Berkeley Ca. 94705
510-219-2360

* Name Peter Reynolds Signature [signature]

Date 4/28/18 Address 50 Alvarado Place, Berkeley, Ca. 94705
510-387-3895

* Name EARL VASCONCELLOS Signature [signature]

Date 4/28/18 Address 85 EVERGREEN LN. BERKELEY CA.

Signatures- STOP PLN17374
No Cell Tower on Drury and Besito

* Name Ana Vasconcellos Signature Ana Vasconcellos
Date 4/28/18 Address 85 Evergreen Pl. Berk. 94705

* Name MARY Gregoire Signature Mary Gregoire
Date 4/29/18 Address 1238 Drury Rd., Berkeley, CA

* Name FRANCOIS GREGOIRE Signature
Date 4/29/18 Address 1238 Drury Rd BERKELEY, CA

Name Gisele Bardin Signature
Date 4/29/18 Address 7101 Norfolk Rd Berkeley Ca

Name Stephen Teigland Signature
Date 4/29/18 Address 11 Chancellor Place, Berkeley 94705

Name Daniel Mamaril Signature
Date 4/29/18 Address 79 Chancellor Pl, Berkeley 94705

Signatures- STOP PLN17374
No Cell Tower on Drury and Besito

Name Ramin Khashayar Signature

Date 4/28/18 Address 85 Gravatt Dr
Berkeley CA 94705

Name Slava Glazyrin Signature

Date 4/27/18 Address 16 Gravatt dr.

Name Evgeniya Signature

Date 4-27-18 Address 16 Gravatt dr.

Name Lisa Neugent Signature

Date 4-27-18 Address 28 Drury Ln.

* Name Karen Feldman Signature

Date 4/27/2018 Address 18 Chancellor Pl

kfeldmane berkeley.edu

Name Niklaus Largier Signature

Date 4/27/18 Address 18 Chancellor Place

Signatures- STOP PLN17374

Name Dr. Geoffrey Wall
Date 4/22/18 Address 1168 Peary Road.

Name
Date Address

Name Jane Felter
Date 4/22 Address Amito Dr. #1040

Name
Date 4/22/18 Address 1086 Grand View Drive

Name
Date 4/22/18 Address 1050 AMITO DR.

Name Kenneth deAnda
Date 4/22/18 Address 1050 Amito Dr

Name
Date 4/22/18 Address 1029 Amito Drive

Name
Date 4/22/18 Address 1029 AMITO DR

Name
Date 4/22/18 Address 374 GRANADA DR Berkeley

Name Jonathan Ryshpan JONATHAN RYSHPAN
Date 4/25/18 Address 1001 Amito Dr. Berkeley CA 94705

Name
Date Address

Name Alexis Lee
Date 4/21 Address 1215 Alvarado Rd, Berkeley, CA 94705

Name Shirin Fardin
Date 4/21/18 Address 975 Alvarado Rd - Berkeley CA 94705

Name Hesseh Afkami
Date 4/21 Address 975 Alvarado Rd.

Name Ron Pereira
Date 4/21 Address 910 Alvarado Rd.

Name Max Broecker
Date 4/21/18 Address 749 Alvarado Rd Berkeley

Name Sandra Roberts
Date 4/21 Address 665 Alvarado Rd Berkeley

Name
Date 4/21/18 Address 665 ALVARADO RD. BERKELEY

Name THOMAS PETERSEN
Date 4/20/2018 Address 245 ALVARADO RD, BERKELEY, CA 94705

Name ADRIAN MCEVILLY
Date 4/21/18 Address 739 ALVARADO BERKELEY, 94705

Name Burt Dragin BURT DRAGIN
Date 4-21-18 Address 1011 SILER pl. BERKELEY, CA 94705

Name Kasumi Yasuzaka
Date 4-21-2018 Address 1125 Drury Rd Berkeley CA. 94705

Name Richard Watson
Date 4/22/18 Address 160 Drury RD

Signatures- STOP PLN17374
No Cell Tower on Drury and Besito

1 Name Elaine Bild Signature Elaine M Bild
Date 4/29/18 Address 108 Strathmoor, Berkeley 94705

Name Patrick Thorsen Signature Patrick Thorsen
Date 4/29/18 Address 108 Strathmoor, Berkeley, CA 94705

* Name Ingrid Bran Signature Ingrid Bran 650-279-8774
Date 4/29/18 Address 134 Strathmoor, Berkeley, Ca. 94705

Name _____ Signature _____
Date _____ Address _____

Name _____ Signature _____
Date _____ Address _____

Name JEFF KENNEDY Signature _____
Date 4/29/18 Address 5545 TAFT AVE, OAKLAND, CA 94618

signatures continued – PLN17374

Eleanor L. Steffen — Eleanor L. Steffen

date Apr. 1 2018 address 12 Drury Lane, Oakland 94705

David Charness

date 5 April 2018 address 1138 Drury Rd. Oakland

Cal Collier — Cal Collier

date 4/7/18 address Drury Lane, 94705

Jacqueline Bott — Jacqueline Bott

date April 7, 2018 address Drury Lane, 94705

Residents of the Claremont Hills area

Sharon Collier — SHARON COLLIER

date 3/30/2018 address One Drury Ln, Oakland

PATRICK WILDI

date 3-31-2018 address One Drury Ln, Oakland

Richard Hall — RICHARD HALL

date 4-4-2018 address 17 DRURY LANE OAKLAND

Angela Hall — ANGELA HALL

date 4/4/18 address 17 DRURY LANE OAKLAND

date 4/6/18 address 11 Drury Lane

Susan Coffee

date 4/5/18 address 11 Drury Lane

signatures continued - PLN17374

Lisa Applegate-Zimony
date 4-2-18 address 11 Dartmouth Dr Berkeley

Michael McGinn
date 4/2/18 address 1166 Besito Ave

Deborah McGinn
date 4/2/18 address 1166 Besito Ave

Edwards Avery
date 04/02 address Berkeley

Mary Avery
date 04/02/18 address

[illegible]
date [illegible] address [illegible]

leslie kodamagyahoo.com
date 4.02.18 address 1092 Amito Dr Berkeley, CA 94705

STEVEN KODAMA SKODAMA@VOYAMADISEN.COM
date 4/2/18 address 1092 AMITO DR BERKELEY, CA 94705

Carolyn Levenberg
date 4/2/18 address 1096 Amito Drive, Berkeley CA 94705

Gerald T. Zimony
date 4/4/18 address 11 Dartmouth Dr, Berkeley CA 94705

Brittany Beall
date 4/2/18 address 25 Dartmouth Dr Berkeley, CA 94705

APPLEGATE DANCE STUDIO

signatures continued - PLN17374

Maya Alexander Maya Alexander
date 4/3/18 address 3130 Lillard Drive Davis, CA 95618

Sirara Parks
date 4/3/18 address 2121 camino court Davis CA. 95616

Abby Buenier
date 4/3/18 address 1335 cassel Lane, Davis Ca. 95616

Isabelle Messner Isabelle Messner
date 4/3/18 address 1512 Willow Lane, Davis CA 95616

Emily Hoeft Emily Hoeft
date 4/3/18 address 1817 Point Reyes Place, Davis CA 95616

Cameron St.André Cameron St. André
date 4/4/18 address 2630 Castlebar Ave.

Mayah Moore Mayah Moore
date 4/4/18 address 3375 Alhambra Ave.

Avery Rank Avery Rank
date 4/4/18 address 4108 Arroyo Ave.

Mina Grote
date 4/4/18 address 2311 Fortuna Court

Catherine Kerner
date 4/4/18 address 2769 Concord Ave

Renee Xiong Renee Xiong
date 4/4/18 address 2151 Carnegie

APPLEGATE DANCE STUDIO

signatures continued – PLN17374

★ Emily Haws
date 4/3/18 address 2734 Hatteras Pl Davis, CA

Anna Hoeft
date 4/3/18 address 1527 Point Reyes Place Davis, CA

Emily Baltz
date 4/3/18 address 780 Collier Dr. Dixon, CA

★ Anne Zhao
date 4/03/2018 address 3816 Cherry Place, West Sacramento CA 95691

Sophie Brennan
date 4/3/2018 address 60 College Park

SARAH YEUNG
date 4/3/18 address 1663 JOSHUA TREE STREET 95616, DAVIS CA

Emily Chuang
date 4/3/18 address 4222 Akagi Way Davis, CA 95618

Emily Bolander
date 4/3/18 address 2709 Cel Pl. Davis, CA 95616

Brittany Ponce
date 4/3/18 address 578 Santa Teresa Court 95688

Alice Ferrer
date 4/3/18 address 835 N Campus Way, Davis CA 95616

Lia Elms
date 4/3/18 address 566 Antlucher. DAVIS CA 95616

APPLEGATE DANCE STUDIO

signatures continued – PLN17374

Alicia Joo Alicia Joo
date 4/4/18 address 3234 Oyster Bay Ave, Davis CA

Lian E Lian E
date 4/4/2018 address 942 Westbury lane, Davis CA

★ Ece Midilloglu Ece Midilloglu
date 4/4/2018 address 640 Benbow Ct. Davis, CA

Allison Reitz Allison Reitz
date 4/4/18 address 951 Lucerne Ct Davis, CA

Anuka R Anuka R
date 4/4/18 address 1718 Van Damme Drive

Lena R Lena R
date 4/4/18 address 1718 Van Damme Drive

Rebecca Wendlandt Rebecca Wendlandt
date 4/4/18 address 325 Serrano Terrace, Davis, CA

Julia Antol Julia Antol
date 4/4/18 address Davis, CA

date 4/4/18 address 1420 Commons St Davis 95616

Nancy Mayburn Nancy Mayburn
date address

date address

Rose, Aubrey

From: Lisa Applegate <applegate_dance@yahoo.com>
Sent: Saturday, May 12, 2018 8:18 PM
To: Rose, Aubrey; Merkamp, Robert
Cc: Paul McGavin
Subject: File not being kept up to date

Will you please place this email and attachment into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)?

Dear Aubrey Rose,

We have been clearly starting all of the communications we feel are important and that we want added to the PLN #17374 file with the following:

"Will you please place this email and attachment into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)?"

Upon inspection of the PLN #17374 file on Friday May 11th important items labeled with the blurb above were missing.

I would like it put in the record that as of 5-11-18 important information we are giving the City is not ending up in the file, including the 70 signatures from opposing neighbors.

Sharon and I will be coming in to view the PLN 17374 file and the Pine Needle File on Monday.

I have 3 questions for you Mr Rose,

#1) What is the status of the tolling agreement?
#2) I would like to meet with you on Monday. What time works?
#3) In what capacity is the City Real Estate Department notified/involved in cell tower installations?

Thank you, Lisa Applegate-Zimanyi

On Saturday, May 12, 2018, 2:02:08 PM PDT, Rose, Aubrey <ARose@oaklandnet.com> wrote:

OK thank you, will do

From: Lisa Applegate <applegate_dance@yahoo.com>
Sent: Friday, May 11, 2018 8:07:51 PM

To: Rose, Aubrey
Subject: Fw: MORE THAN 200 OPPOSING SIGNATURES TO PLN#17374

Hi Aubrey,
This one please. The signature PDF needs to be printed and added to the file.
You have a lot of extra pages from our change.org print out that **should not** be in the file. Please remove the pages from other peoples' petitions.

-Lisa

----- Forwarded Message -----
From: Lisa Applegate <applegate_dance@yahoo.com>
To: Aubrey Rose <arose@oaklandnet.com>; rmerkamp@oaklandnet.com <rmerkamp@oaklandnet.com>; wgilchrist@oaklandnet.com <wgilchrist@oaklandnet.com>; nagrajplanning@gmail.com <nagrajplanning@gmail.com>; jmyres.oakplanningcommission@gmail.com <jmyres.oakplanningcommission@gmail.com>; jfearnopc@gmail.com <jfearnopc@gmail.com>; tlimon.opc@gmail.com <tlimon.opc@gmail.com>; cmanusopc@gmail.com <cmanusopc@gmail.com>; amandamonchamp@gmail.com <amandamonchamp@gmail.com>; ew.oakland@gmail.com <ew.oakland@gmail.com>
Cc: dkalb@oaklandnet.com <dkalb@oaklandnet.com>; aguillen@oaklandnet.com <aguillen@oaklandnet.com>; lmcelhaney@oaklandnet.com <lmcelhaney@oaklandnet.com>; awashington@oaklandnet.com <awashington@oaklandnet.com>; dbrooks@oaklandnet.com <dbrooks@oaklandnet.com>; lreid@oaklandnet.com <lreid@oaklandnet.com>; atlarge@oaklandnet.com <atlarge@oaklandnet.com>
Sent: Monday, May 7, 2018, 9:47:26 PM PDT
Subject: MORE THAN 200 OPPOSING SIGNATURES TO PLN#17374

OVER 200 OPPOSING SIGNATURES TO PLN#17374-PROPOSED CELL TOWER AT BESITO AVENUE AND DRURY ROAD

Will you please place this email and attachment into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)?

THERE ARE NOW OVER 200 SIGNATURES IN OPPOSITION OF THE PROPOSED CELL TOWER THAT,
ACCORDING TO AT&T CONTRACTOR MAPS, WILL SERVE LESS THAN 25 HOMES.

MORE THAN 70 NEIGHBORS OPPOSED FROM ALL OF THE FOLLOWING ADDRESSES (SIGNATURES ATTACHED)

AMITO AVENUE

1023 Amito

1046 Amito

1050 Amito

1029 Amito

1001 Amito

1092 Amito

1096 Amito

1039 Amito

1024 Amito

DRURY LANE

10 Drury Lane

11 Drury Lane

17 Drury Lane

1 Drury Lane

28 Drury Lane

DRURY ROAD

1138 Drury Road

1325 DruryRoad

1160 Drury Road

1238 Drury Road

GRAVATT DRIVE

16 Gravatt

85 Gravatt

416 Gravatt

379 Gravatt

225 Gravatt

DARTMOUTH DRIVE

11 Dartmouth

25 Dartmouth

ALVARADO ROAD

1025 Alvarado

99 Alvarado

1215 Alvarado

975 Alvarado

910 Alvarado

789 Alvarado

665 Alvarado

245 Alvarado

733 Alvarado

970 Alvarado

50 Alvarado

1015 Alvarado

BESITO AVENUE

1160 Besito

1106 Besito

1112 Besito

EVERGREEN LANE

85 Evergreen

GRAND VIEW DRIVE

1086 Grand View

KENILWORTH ROAD

7096 Kenilworth

DAWN STREET

37 Dawn

CHANCELLOR PLACE

18 Chancellor Place

11 Chancellor Place

89 Chancellor Place

STRATHMOOR DRIVE

7 Strathmoor

108 Strathmoor

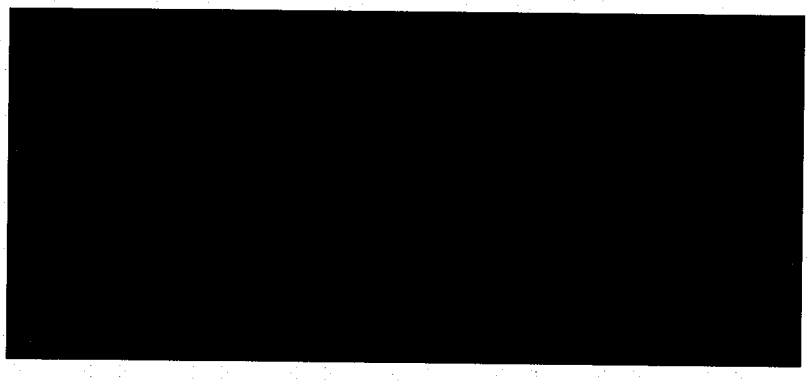
134 Strathmore

NORFOLK ROAD

7161 Norfolk

145 PEOPLE OPPOSED REPRESENTED IN OUR

CHANGE.ORG
ONLINE PETITION
Sign the Petition





Sign the Petition

City Of Oakland Planning Department: Stop the proposed AT&T cell antenna tower, Case No. PLN17374, on the corne...

https://www.change.org/p/city-of-oakland-planning-department-stop-the-proposed-at-t-cell-antenna-tower-case-no-pln17374-on-the-corner-of-drury-and-besito-and-preserve-the-charming-hillside-character-of-the-claremont-canyon-neighborhood?recruiter=773098&utm_source=share_petition&utm_medium=facebook&utm_campaign=share_petition.nafta_share_post_interaction.control&utm_content=ex94%3Acontrol

AND THERE ARE ADDITIONAL SIGNATURES AS WELL.

THE ATTACHMENT IS A COMPLETE RECORD OF ALL SIGNATURES COLLECTED.

Rose, Aubrey

From: Paul McGavin <paul.mcgavin@octowired.com>
Sent: Wednesday, May 16, 2018 1:26 PM
To: Vani Muller
Cc: Adhi Nagraj; Jahmese Myres; Jonathan Fearn; Tom Limon; Clark Manus; Amanda Monchamp; Emily Weinstein; At Large; Charles Lindsay; Merkamp, Robert; Rose, Aubrey; Lisa Applegate; Sharon Collier; Patrick Wildi
Subject: It is not reasonable to wait for the information we requested from AT&T any longer

May 16, 2018

Ms. Vani Muller
AT&T
5001 Executive Parkway
San Ramon, CA 94583
510-258-1703

cc: Adhi Nagraj, Oakland Planning Commissioner
Jahmese Myres, Oakland Planning Commissioner
Jonathan Fearn, Oakland Planning Commissioner
Tom Limon, Oakland Planning Commissioner
Clark Manus, Oakland Planning Commissioner
Amanda Monchamp, Oakland Planning Commissioner
Emily Weinstein, Oakland Planning Commissioner
Rebecca Kaplan, Oakland City Council Member
Charles Lindsay, Extenent
Robert Merkamp, Oakland Planning Staff
Aubrey Rose, Oakland Planning Staff
Lisa Applegate
Sharon Collier
Patrick Wildi

This first paragraph is directed to Mr. Merkamp and Mr. Rose. Will you gentlemen please place this email/letter into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)? Thank you for doing so.

Ms. Muller, your name appears as AT&T's contact on the 1/8/18 detailed plans for the DAS Node OAKS-038C, which is why I contacted you in the first place on 5/4/18 and am directing my comments to you, today.

PROJECT TEAM

ENGINEER:

PDC CORPORATION
4555 LAS POSITAS RD,
BLDG. A, STE. B
LIVERMORE, CA 94551
ENGR. OF RECORD: SOHAIL A. SHAH. P.E.
CONTACT: PAULO PUELIU
OFFICE: (925) 606-5868
MOBILE: (510) 385-5541
EMAIL: paulo@pdccorp.net

APPLICANT/LESSEE:

AT&T
5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583
CONTACT: VANI MULLER
PHONE: (510) 258-1703

APPLICANT AGENT:

CHARLES LINDSAY
EXTENET SYSTEMS (CA) LLC
2000 CROW CANYON PLACE, SUITE 210
SAN RAMON, CA 94583
PHONE: (510) 910-7787
EMAIL: clindsay@extenentsystems.com

CONSTRUCTION MANAGER:

EXTENET SYSTEMS (CA) LLC
CONTACT: KEN BOOKER
PHONE: (510) 406-0829

It is not reasonable to wait for the information we requested from AT&T any longer than **eight (8) calendar days after the date** that you on 5/4/18 promised to provide by 5/8/18. In our 5/4/18 conversation, Ms. Muller, you and I discussed that we needed information in a timely manner and **you agreed to provide the information by 5/8/18**. Today is 5/16/18.

As you requested, I followed up with the two separate emails to you later on 5/4/18

1. 5/4/18 @ 8:01 pm email to Vani Muller re: "Open Questions about the City of Oakland file re: DAS Node OAKS-038C (Oakland Case No. PLN17374)"

2. 5/4/18 @ 9:31 pm email to Vani Muller re: "Difficulty Researching City of Oakland file re: DAS Node OAKS-038C (Oakland Case No. PLN17374)"

I wrote to you on 5/4/18:

"Shot Clock
It seems there is little clarity about the dates of the 150-day shot clock period and if AT&T even considers that the shot clock ever started running. We see nothing in the file that says that the AT&T/Extenet/Black & Veatch application was deemed complete by the City of Oakland. In fact the application, signed by Ana Gomez from Black & Veatch is **undated** and has no signature from a City of Oakland employee.

The best we can see in the file is a 7/6/17 letter on Extenet letterhead, signed by Ana Gomez from Black & Veatch referencing an application. Unfortunately, most of the application artefacts did not roll in until Jan-Mar, 2018 and some are **still missing**.

We understand that the City of Oakland planner in charge of the project from July, 2017 through mid-March, 2018, Marilu Garcia, left her job or was fired, which may explain some of the inconsistencies that we see in the file. Aubrey Rose has replaced her, but he could not answer basic questions about the shot clock or the missing information from the file in the two meetings we had with him in 4/23/18 and 4/30/18. I asked if there was any substantial evidence in the file, or anywhere else in the City of Oakland's files/communications that showed that the shot clock started or was tolled by an agreement executed between the City of Oakland and AT&T/Extenet. He communicated to us something akin to "the shot clock has already run out, but that was not a big deal, because Oakland was so behind in processing the various so-called 'Small Cell' cell phone tower applications that AT&T was not enforcing the shot clock".

I said that would be fine -- and understandable -- but that we would need to see a letter signed by AT&T agreeing that the shot clock was tolled or the shot clock would not be enforced on this project. The problem is that the first Planning Commission meeting for this project has been noticed for May 16, 2018, so we need to see a **signed tolling agreement between AT&T and the City of Oakland in the file well before that meeting**. Without such a letter in the file, then what is the purpose of 5/16/18 Planning Commission hearing at all -- as AT&T could just trump all findings by invoking the shot clock?

You can see why the residents of Claremont Canyon are confused and frustrated by all of these unknowns. Any clarity on the shot clock would be very much appreciated, as would a swift **tolling agreement letter executed between Oakland and AT&T by Wed May 9, 2018**."

We have heard nothing back on the shot clock or any tolling agreement. Why?

I was also surprised that two days after 5/8/18 -- the date we expected the information from you -- you handed this matter off to Daren Chan. I was hopeful that we would hear something of substance back from AT&T in a timely manner. That, unfortunately has not happened and it seems that Daren Chan's strategy is to just "handle/manage" the Claremont Canyon residents. This is not surprising, given that our research uncovered the following about Daren Chan:

https://www.linkedin.com/in/daren-chan-62506b9/
https://twitter.com/daren_chan

Daren Chan is a public affairs professional with 10+ years of communications experience successfully advocating business, policy and community interests for Fortune 500 companies.

Daren's areas of expertise: lobbying, community relations, crisis communications, coalition building, reputation management, public relations, public affairs strategy, corporate spokesperson

I am guessing Daren Chan might be a fine person, but we don't need to hear from Daren. Daren Chan is a corporate PR professional with a transparent agenda. Daren Chan's record of stonewalling and evasion are already well-documented in the public record at the City of Oakland. Instead, we need to get the information that we seek directly from AT&T and/or Extenet RF Engineers, such as Harsimran Kaur, whose name appears on the 3/2/18 AT&T Radiofrequency statement. This is a person likely to have direct knowledge of the DAS Node OAKS-038C project details. Will you please send us today Harsimran Kaur's email address and telephone number? Alternatively, you could direct Applicant Agent, Charles Lindsay from Extenet to return our calls with the information because Mr. Lindsay has never returned any of the 5+ voicemail messages that we have left for him.

If you refuse to provide this information or direction, will you please provide good reasons for not doing so? The residents of Claremont Canyon are tired of the continuing, AT&T-directed stiff-arm and run-around that we have been experiencing for many months. As I wrote to you in my 5/9/18 email, entitled "**Continuing Problems with Missing Information for DAS Node OAKS-038C (Oakland Case No. PLN17374**)"

"Ms. Muller, Lisa Applegate and I am getting the stiff-arm and run-around from AT&T's subcontractors: Hammett & Edison, Black & Veatch and Extenet. Are we also getting such a run-around from AT&T?"

The evidence to date shows that we are.

Instead of displaying good faith and quickly providing some clarifying information that AT&T and Extenet obviously have -- the radio specifications that we have asked for -- AT&T and Extenet just continue to **hide this information from the public and from the public file**, while they are seeking to **install some undisclosed equipment configuration in the public-rights-of-way.**

Daren's emails, quoted below, do not show a good faith effort to share available information that has really needed to be in the file from the very beginning -- information that is needed for a complete application for DAS Node OAKS-038C (Oakland Case No. PLN17374). The application remains incomplete as of 5/15/18, about a month before the current Oakland Planning Commission Hearing Date on 6/20/18.

Will you please address this today?

Thank you.

>>> On 5/14/18 @ 2:17 pm, Daren Chan wrote:

Dear Ms. Collier,

AT&T has received Mr. McGavin's email request and is working on a detailed response. We intend to send the response in the near future and well before the 6/20 Oakland Planning Commission hearing.

Sincerely,

Daren Chan
AT&T External Affairs

>>> On 5/14/18 @ 2:16 pm, Daren Chan wrote:

CHAN, DAREN L would like to recall the message, "PLN17374 - 1138 Drury Rd - ExteNet AT&T Oak-038C".

>>> On 5/10/18 @ 2:09 pm, Daren Chan wrote:

Unfortunately I do not have a specific date, but AT&T intends to provide you with the response well in advance of the 6/20 Oakland Planning Commission hearing.

Sincerely,

Daren Chan

AT&T External Affairs

>>> On 5/10/18 @ 1:10 pm, Daren Chan wrote:

Dear Mr. McGavin,

My name is Daren Chan and I'm with AT&T External Affairs. AT&T acknowledges receipt of your May 9, 2018, email and request and is currently working on a detailed response. We will send you the response in the near term.

Sincerely,

Daren Chan
AT&T External Affairs

From: Paul McGavin <paul.mcgavin@octowired.com>
Sent: Thursday, May 10, 2018 1:30 PM
To: CHAN, DAREN L <dc016g@att.com>
Cc: MULLER, VANI <vm6940@att.com>; arose@oaklandnet.com; rmerkamp@oaklandnet.com; clindsay@extenetsystems.com; gomezabarcaa@bv.com;

applegate_dance@yahoo.com; sharon@collierphotography.com
Subject: Re: PLN17374 - 1138 Drury Rd - ExteNet AT&T Oak-038C

Sounds great, Darren.

Can you give me a date when we can expect the detailed response?

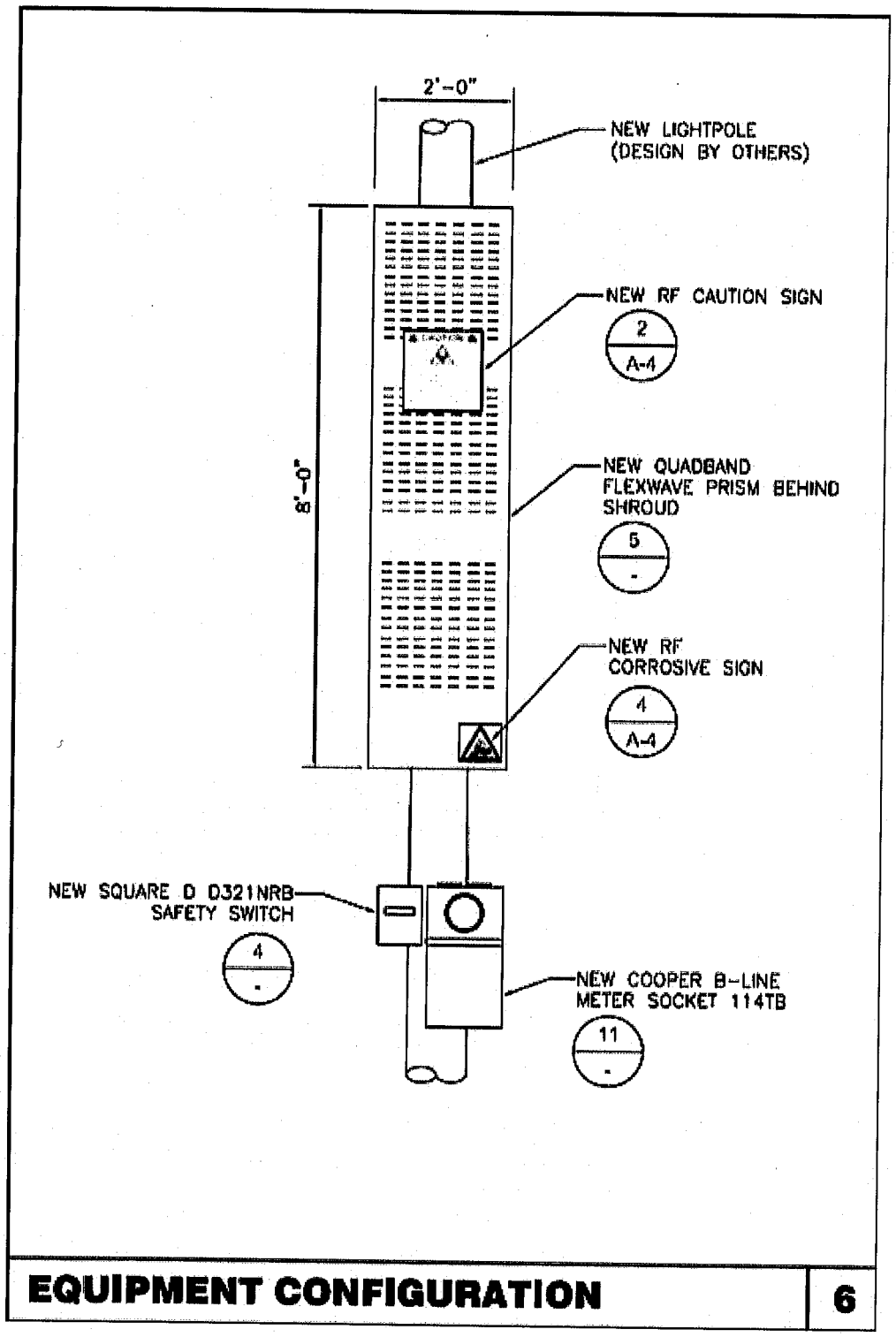
>>> On 5/10/18 @ 1:10 pm, CHAN, DAREN L wrote to Paul McGavin:

- show quoted text -
While you are working on that detailed response, would you be willing to send us today the specifications for the radios for the 1138 Drury Rd - ExteNet AT&T Oak-038C project?

The 1/8/1/18 plans specify only "New Quadband Flexwave Prism" but they don't provide a model number, power inputs/outputs, whether it will be communicating with a Base Station Hotel and, if so, where that Base Station Hotel will be located.

That information would be helpful and very much appreciated today, so we can make progress while we are waiting for the detailed report.

Thank you!



--

Regards,

Paul McGavin
Octowired, LLC

work: 415-382-4040
text: 707-939-5549
skype: paulmcgavin

Rose, Aubrey

From: Deborah Clark <deborahlynn10@gmail.com>
Sent: Wednesday, May 16, 2018 3:59 PM
To: nagraiplanning@gmail.com; amandamonchamp@gmail.com; jmyres.oakplanningcommission@gmail.com; jfearnopc@gmail.com; tlimon.opc@gmail.com; cmanusopc@gmail.com; ew.oakland@gmail.com; Merkamp, Robert; Rose, Aubrey
Subject: Re: DAS Node OAKS-038C (Oakland Case No. PLN17374)

Dear Planning Manager, Robert Merkamp and Planning Manager, Aubrey Rose and City of Oakland Planning Commissioners:

We are writing this letter to oppose the proposed monopole at the corner of Drury Road and Besito Avenue.

We purchased our home at 1106 Besito Avenue in September 2017 so that we can raise a family and enjoy living in this peaceful Claremont Community. We just recently found out that AT&T and subcontractors want to replace a lamp post with a cell tower approximately 50' from our house and at a corner where we walk our young infant in a baby carriage and pass by many times each day! We are very concerned about the health of our young family (our first child was born in January of this year) and have been researching the many studies that show that radiation from cell towers can be damaging to people, especially to young children.

We join in the many objections raised in letters from our neighbors. From the various specifications we have seen, it seems clear that in order to put this tower in at the proposed site, two large trees that are across from our house would most certainly be damaged or destroyed, leaving us with visual clutter instead of the green trees that are part of this lovely area! The project requires removal of the current light pole foundation and the installation of a large concrete foundation for the new tower. The large trees are located 33" and 42" from the existing light pole. The heavy construction equipment required to remove the existing foundation and to install the new foundation will certainly damage the roots of the existing trees.

We are also concerned about property values. We looked long and hard for a nice house to raise our new family and paid dearly for this one. We understand that properties around cell towers can lose 20% of their value due to blight, perceived notion of radiation and other factors.

We would appreciate reconsideration of the placement of this cell tower in our back yard.

Regards,

Deborah, Michael and Samantha McGinn

Rose, Aubrey

From: Paul McGavin <paul.mcgavin@octowired.com>
Sent: Friday, May 18, 2018 4:17 PM
To: Merkamp, Robert
Cc: Sharon Collier; Patrick Wildi; Kent Calfee; Lisa Applegate; Rose, Aubrey
Subject: Re: PLN17374 file

May 18, 2018

Mr. Robert D. Merkamp
Interim Zoning Manager, City of Oakland
Dalziel Building, 250 Frank H. Ogawa Plaza, Suite 2114
Oakland, California 94612
510-238-391

cc: Sharon Collier <sharon@collierphotography.com>
Patrick Wildi <patrick@wildi.com>
Kent Calfee <KCalfee@calfeelaw.com>
Lisa Applegate <applegate_dance@yahoo.com>
Aubrey Rose, <ARose@oaklandnet.com>

Dear Mr. Merkamp,

Will you please place this email/letter into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)? Thank you for doing so.

I took photos of the October 18, 2017 and the November 1, 2017 Staff Reports on 4/23/18. These reports were in the file then. Is Aubrey Rose communicating that the City of Oakland removed these staff reports from the PLN17374 file? If so, that would be inappropriate.

>>> 5/18/18 @ 3:37 pm, Aubrey Rose wrote:

Hello Sharon,

Those reports do not exist in the Planning Commission archive, as the agenda item was pulled prior to the hearings – please take a look at the following link, for those dates / item – as you will see, the item was on the agendas, and subsequently removed:

http://www2.oaklandnet.com/government/o/PBN/OurOrganization/PlanningZoning/o/Commissions/index.htm

Thank you.

Sincerely,
Aubrey

From: Sharon Collier [mailto:sharon@collierphotography.com]
Sent: Friday, May 18, 2018 12:12 PM
To: Rose, Aubrey <ARose@oaklandnet.com>; Merkamp, Robert <RMerkamp@oaklandnet.com>
Cc: Patrick Wildi <patrick@wildi.com>; Kent Calfee <KCalfee@calfeelaw.com>; Lisa Applegate <applegate_dance@yahoo.com>; Paul McGavin <paul.mcgavin@octowired.com>; Harry V. Lehmann <hvlehmann@greenswan.org>
Subject: Re: PLN17374 file
Importance: High

Hello, we need copies of the October 18, 2017 Staff Report as well as the November 1, 2017 Staff Report.
Will you please have someone forward those to us asap??

Thank you,
Sharon Collier

Does the City of Oakland therefore need me to contribute some of these public records to the PLN17374 file to replenish it? If so, let me know and I will email you the jpegs of these pages (I have both print and screen resolution images of the pages). Wouldn't it be better to place all of the documents in the PLN17374 file **on the City of Oakland web site** (as they do in Piedmont, Palo Alto and many other cities) so no one can play games with what is/is not in the file and what is/is not in the public record?

- http://www.ci.piedmont.ca.us/publicworks/wireless.shtml

- https://www.cityofpaloalto.org/news/displaynews.asp?NewsID=3999&TargetID=319

When does City of Oakland Planning Department intend to do this? Please let me know.

The Planning Commissioners well understand the difficulties the Claremont Canyon residents have faced -- and continue to face -- **trying to get complete, thorough and accurate information** about the 1138 Drury Road DAS Node OAKS-038C project. **The file is still incomplete**, despite writing the following to you on May 9 -- nine days ago:

>>> On 5/9/18 @ 12:57 pm, Paul McGavin wrote to Robert Merkamp:

Thank you also for building in the extra time needed to complete the following before the new Planning Commission hearing date on June 20, 2018:

1. **A signed shot clock tolling agreement between AT&T and the City of Oakland** to ensure that the shot clock does not run out during the public review process of DAS Node OAKS-038C. We would like to ensure that the tolling agreement is signed, executed and placed in the file for DAS Node OAKS-038C by the end of this week.

2. **The public's inspection of the public records** responsive to the focused CPRA requests #18-591 and #18-824, within the time frames specified by the California Public Records Act.

3. **Answers from AT&T/Extenet** to the specific questions that were communicated to Vani Muller at AT&T on 5/4/18 and Hammett & Edison/Extenet on 5/8/18.

4. **The City of Oakland Planning Department completing its due diligence to a professional standard** to ensure that the application for the Wireless Telecommunications Facility (WTF) proposed for DAS Node OAKS-038C is complete, which it is not as of 5/9/18.

Also, Lisa Applegate is following up on issues she discussed with the Planning

Commissioners on 5/16/18:

>>> On 5/18/18 @ 12:57 pm, Lisa Applegate wrote to Robert Merkamp:

> As instructed by the Planning Commissioners at the May 16th Oakland Planning Commission Meeting, the planning department was to inform the applicant that the neighborhoods questions regarding PLN#17374 need to be answered. Can you please forward to me the communication you sent out to AT&T and contractors? If you have not yet contacted AT&T and contractors, please do so immediately and CC me. As you and the commissioners are aware, this is a time sensitive matter.

We are seeking timely responses to our reasonable requests from you, Mr. Merkamp, and from any others in the Oakland Planning department.

Finally, is the City of Oakland on track to receiving the records responsive to our 4/23/18 California Public Records Act request by Wed 5/23/18?

Please let me know.

--
Regards,

Paul McGavin
Octowired, LLC
work: 415-382-4040
text: 707-939-5549
skype: paulmcgavin

Rose, Aubrey

From: Patrick Wildi <patrick@wildi.com>
Sent: Tuesday, May 22, 2018 6:18 PM
To: Jmyres.oakplanningcommission@gmail.com; EW.Oakland@gmail.com; tlimon.opc@gmail.com; jfearnopc@gmail.com; cmanusopc@gmail.com; amandamonchamp@gmail.com; Merkamp, Robert
Cc: Rose, Aubrey; Kalb, Dan; Office of the Mayor; Sharon Collier
Subject: May 16 Planning Commission Statemen
Attachments: Wildi_PlanningCommissionStatement_051618.pdf

Hello —
Thank you for allowing me to speak during the Planning Commission Open Forum session on May 16, 2018. For those of you who could not hear my entire talk, and those of you who were not present, I am sending a written version of my presentation for your information and also to please place in the public file for PLN17374

Patrick Wildi

Hello Planning Commission Members -- I'm Patrick Wildi, a homeowner in Oakland for over 20 years. I have a Masters degree in Electrical Engineering and work for a network equipment manufacturer. Thank you for allowing me to speak. I want to address cell towers in residential neighborhoods.

AT&T has not been getting great press on their lobbying efforts lately, and our experience says this is well deserved. As residents in the Oakland Hills, we have been experiencing first hand how very thorough they, and other Telecom companies, are using lobbyists, PR reps and a cast of others to convince you that the FCC requires everyone to be able to watch high-definition videos on their phone at home over cellular data. This is their desperate attempt to compete with the cable companies. All that is really needed for safety reasons is an adequate coverage for emergency calls. And the existing coverage provides that.

They are putting their own financial interest ahead of the residents quality of life, destroyed views, health impacts, and diminished property values.
Cell towers do not belong in residential neighborhoods. Network capacity can be addressed with safer and less expensive ways by using wired infrastructure.

These wireless companies are submitting these applications in small chunks, two or three at a time, trying to fly under the radar so they won't have to disclose the entire planned network, but sooner or later will have these monstrosities on essentially every block!

This reminds me strongly of the tobacco industry's attempts to convince everyone how harmless smoking is. They were very successful for a long time. But in the end the truth caught up and they ended up paying the price. Once the health risks of cell tower radiation becomes wider known telecoms will be on the hook, but so will be the cities that allowed to them to put up antennas in their public right-of-way!

Governor Brown's veto of SB 649 leaves you the power to protect your residents!
We ask you, while you have a say, don't put your residents' and electorate's health in jeopardy for corporate greed!

--
Presented to the Oakland Planning Commission during open forum on May 16, 2018
Patrick Wildi

Rose, Aubrey

From: Paul McGavin <paul.mcgavin@octowired.com>
Sent: Wednesday, May 23, 2018 10:46 AM
To: Vani Muller; Marc Grabisch
Cc: Merkamp, Robert; Rose, Aubrey; Adhi Nagraj; Jahmese Myres; Jonathan Fearn; Tom Limon; Clark Manus; Amanda Monchamp; Emily Weinstein; At Large; Lisa Applegate
Subject: STILL missing basic information in the file for DAS Node OAKS-038C (Oakland Case No. PLN17374)

May 23, 2018

Ms. Vani Muller, 510-258-1703
Mr. Marc Grabisch, 925-549-9671
AT&T
5001 Executive Parkway
San Ramon, CA 94583

cc: Robert Merkampj, Oakland Planning Staff
Aubrey Rose, Oakland Planning Staff
Adhi Nagraj, Oakland Planning Commissioner
Jahmese Myres, Oakland Planning Commissioner
Jonathan Fearn, Oakland Planning Commissioner
Tom Limon, Oakland Planning Commissioner
Clark Manus, Oakland Planning Commissioner
Amanda Monchamp, Oakland Planning Commissioner
Emily Weinstein, Oakland Planning Commissioner
Rebecca Kaplan, Oakland City Council Member
Lisa Applegate

This first paragraph is directed to Mr. Merkamp and Mr. Rose. Will you gentlemen please place this email/letter into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)? Thank you for doing so.

Will you, Mr. Merkamp, also please follow up with AT&T -- **as you were directed by the City of Oakland Planning Commissioners on 5/16/18** -- to get this information

from AT&T to address this one of the **many incomplete items** in the file for AT&T/Extenet's application for DAS-Node OAKS-038C project? **We will need all missing application items made complete before this project proceeds to the City of Oakland Planning Commission.**

Ms. Muller, may we please immediately receive the following basic information about this DAS-Node OAKS-038C project? We have been asking AT&T and its subcontractors for this basic information for weeks, without adequate response. I left voicemail messages this morning for both Marc Grabisch and Vani Muller.

Thank you.

>>> On 5/19/18 @ 10:45 am, Paul McGavin wrote:

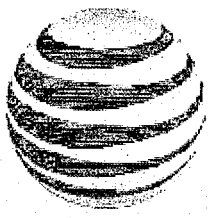
Date:

To: Marc Grabisch <mg387k@att.com>
925-549-9671

Would you be willing to send us today the specifications for the radios for the 1138 Drury Rd - ExteNet AT&T Oak-038C project?

The 1/8/1/18 plans specify only "New Quadband Flexwave Prism" but they don't provide a model number, power inputs/outputs, whether it will be communicating with a Base Station Hotel and, if so, where that Base Station Hotel will be located.

I found a brochure, but I don't know the specs of the equipment AT&T/Extenet has selected for this particular installation because it is not specified on the plans.



at&t

5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

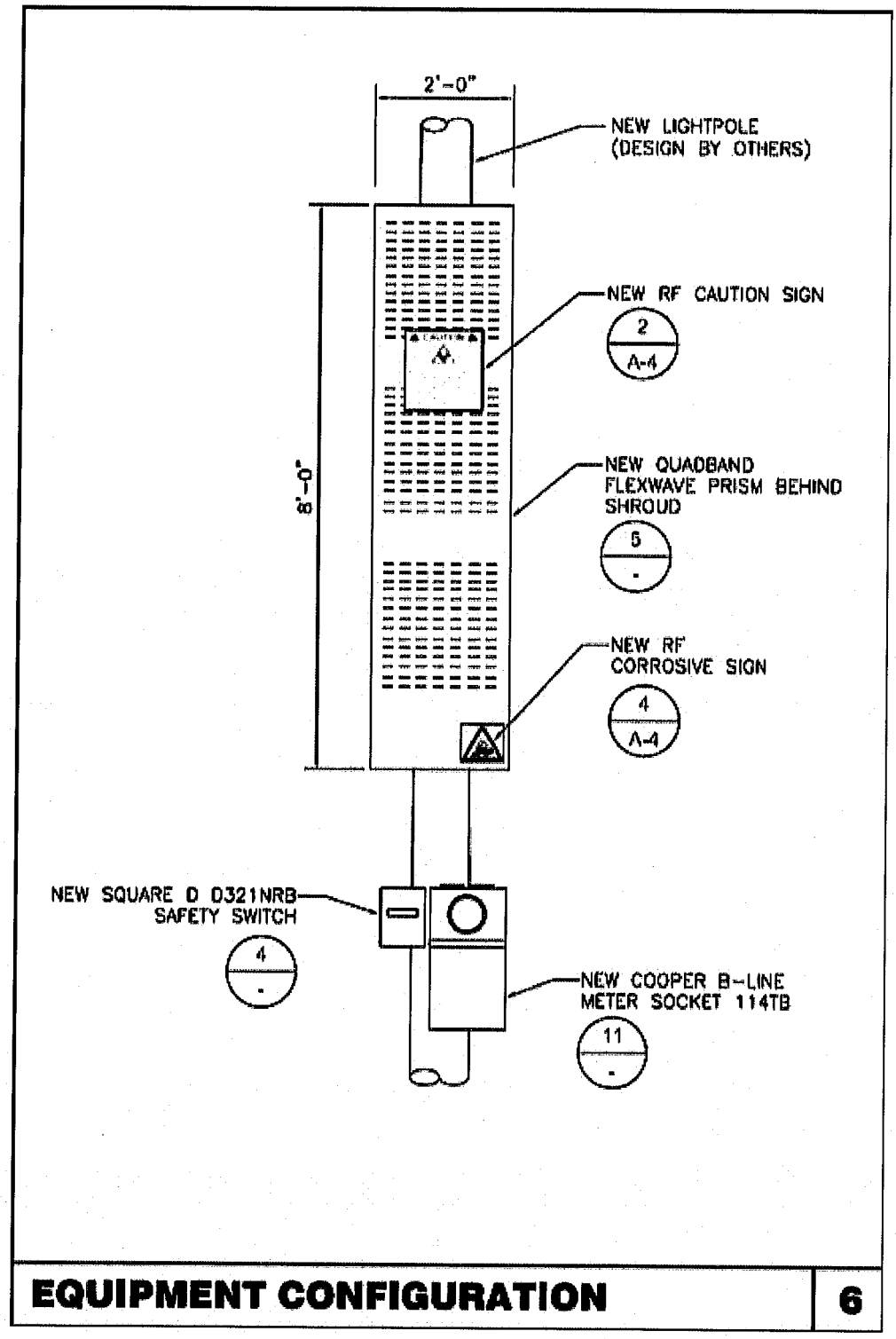
PROJECT INFORMATION:

OAKHILLS AT&T
SOUTH NETWORK
OAKS-038C

BESITO AND DRURY ROAD
OAKLAND, CA 94705

CURRENT ISSUE DATE:

01/08/18



This is what I could find:

- http://www.te.com/usa-en/home.html/
- https://en.wikipedia.org/wiki/TE_Connectivity
- On March 10, 2011, Tyco Electronics Ltd changed its name to TE Connectivity Corporation, which the company said felt more relevant

to its position as a connectivity and sensor component manufacturer.[7][8]

- On August 28, 2015, TE Connectivity announced that it has completed the sale of its broadband-networks business to CommScope Holding Co. for about US$3 billion

Is this what AT&T is Using?

https://www.anixter.com/content/dam/Suppliers/TE/wireless-flexwave-prism-106969ae.pdf

The FlexWave Prism uses patented digital-over-fiber technology to distribute RF to desired locations. The Prism digitizes the entire designated RF band and/or multiplexes direct digital CPRI or OBSAI feeds over **dark fiber** or **millimeter wave links** and reconstructs the signal at full bandwidth, regardless of modulation technology or BTS vendor, at the remote location. TE's digital RF transport allows RF signals to be replicated at full dynamic range, independent of the link length, for improved data throughput. As service providers migrate to 3G and 4G networks, high-data rate broadband services, networks utilizing a Prism backbone will be ready. The Prism offers a flexible architecture to distribute wireless coverage. **Centralization of base station** can also be realized using the FlexWave Prism.

- Flexible **remote radio** management solution interfacing to existing BTS and BBU solutions
- Backbone for **BTS Hotel** enabling maximum capacity and spectral utilization, trunking efficiencies and RAN maintenance
- FlexWave Prism platform is maintained with the HDM modules allowing a mix of dual density and **high power (40W)** within existing FlexWave Prism remote enclosure
- Which host unit and which remote units? What is max power input/output of each component?

20W 700 lABC MIMO - Transmit (698-716 MHz) | Receive (728-746 MHz)

20W 700 uC MIMO - Transmit (698-716 MHz) | Receive (728-

746 MHz)
40W 850 Cell - Transmit (869-894 MHz) | Receive (824-849 MHz)
40W 1900 PCS - Transmit (1930-2000 MHz) | Receive (1850-1920 MHz)
20W 850/1900 Dual - (869-894 & 1930-2000 MHz) | Receive (824-849 & 1850-1920 MHz)

140W Total?

Any clarifying information would be helpful and very much appreciated today.

Thank you!

--
Regards,

Paul McGavin

--
Regards,

Paul McGavin
Octowired, LLC
work: 415-382-4040
text: 707-939-5549
skype: paulmcgavin

Robert D. Merkamp, Acting Zoning Manager | City of Oakland | Bureau of Planning | 250 Frank H. Ogawa, Suite 2214 | Oakland, CA 94612 | Phone: (510) 238-6283 | Fax: (510) 238-4730 | Email: rmerkamp@oaklandca.gov| Website: www.oaklandca.gov/departments/planning-and-building

>>> On 5/9/18 @ 5:36 pm, Paul McGavin wrote:

May 9, 2018

Mr. Robert D. Merkamp
Interim Zoning Manager, City of Oakland
Dalziel Building, 250 Frank H. Ogawa Plaza, Suite 2114
Oakland, California 94612
510-238-3911

cc: Aubrey Rose <arose@oaklandnet.com>, AICP Planner III
Victoria Chak <vchak@oaklandnet.com>, Administrative Analyst
Thang Nguyen <tnguyen@oaklandnet.com>, Real Estate Agent
Peter Spoerl <pspoerl@oaklandcityattorney.org>, Senior Deputy City Attorney
Bijal Patel <bpatel@oaklandcityattorney.org>, Special Counsel-Land Use and Real Estate Units
Lisa Maxwell <lmaxwell@oaklandcityattorney.org>, Deputy City Attorney
Clea Bennett <cbennett@oaklandcityattorney.org>, Paralegal
Lisa Applegate <applegate_dance@yahoo.com>

Dear Mr. Merkamp,

Will you please place this email/letter into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)?

Thanks for your response, Mr. Merkamp.

>>> On 5/9/18, Merkamp, Robert wrote:

As for your request that I provide you with the Master Licensing Agreements by the end of the day, I can't accommodate your request as those records are not in my department. In speaking with Real Estate (who is the keeper of the documents you seek) they told me you were informed that they had provided to you yesterday everything they could and that otherwise you would need to contact the City Attorney's office.

When I (or another City official) responds, on May 23rd, to inform you of the volume of additionally responsive records and to make those records available to you, the will identify any records that have been withheld or determined exempt, and identify the statutory basis for the withholding and the City officials responsible for those determinations.
As to your other issues and anything else related to the project, please work directly with Aubrey Rose on these matters as he's the case planner and is going to be more immediately available to you and your client than I can be.

We are not asking for copies, just inspection of public records. You recognize that, right? Therefore the public has the right to inspect any public records available at the City of Oakland in real-time, without a lengthy delay. Of course, we also understand that a volume of records takes time to compile, so if you wish us to wait another six days from 5/17/18 to 5/23/18 for the volume of records, we will consider that a reasonable delay that we can accept.

With respect to the master licensing agreements (MLAs) -- fewer than ten such documents, I would surmise -- it is the public's right to inspect those records, on the spot -- in real-time. In this email, we are cc'ing Thang Nguyen and Victoria Chak in the Real Estate Department and the staff in the City Attorney's office to request pdfs of these documents emailed to Lisa Applegate and Paul McGavin or an appointment to inspect the signed paper versions of these MLAs at the City of Oaklland Real Estate office. I don't see any legal basis for your statement the Real Estate office has

"provided to you yesterday everything they could". CPRA request #18-591 has been reopened.

The Public Records Act is clear: if the public record is on site and is not exempt, the public has a right to inspect it. As these master license agreements are executed documents, not dealing with personnel matters, they are not exempt. For perspective, I have received pdf versions of every MLA requested from every other city that we have worked with. There is no special status granted to the City of Oakland to hide MLAs from public inspection.

We have no interest in "he said/she said" cross-departmental finger pointing and delays. We only have interest in inspecting the public records that we seek. As we read the seven .eml documents that we received from Victoria Chak on 5/7/18, we learned about these other MLAs and now wish to read them as soon as possible, since they were mistakenly not included as attachments in the first CPRA delivery.

I will address/cc all future correspondence to both you and Aubrey Rose.

Thank you.

--
Regards,

Paul McGavin

--
Regards,

Paul McGavin
Octowired, LLC
work: 415-382-4040
text: 707-939-5549
skype: paulmcgavin

Rose, Aubrey

From: Lisa Applegate <applegate_dance@yahoo.com>
Sent: Thursday, May 24, 2018 3:44 PM
To: Vani Muller; Marc Grabisch; Daren Chan; Merkamp, Robert; Rose, Aubrey; Katz, Alex
Cc: Paul McGavin
Subject: Info Regarding CommScope Flex Wave Prism Needed

Dear Ms Gomez and Hammett,

This first paragraph is directed to Mr. Merkamp and Mr. Rose. Will you gentlemen please place this email/letter into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)? Thank you for doing so.

Ms Gomez and Hammett, will you please confirm the model numbers and the specifications for the maximum inputs/output power for the following.

- The cabinet that will house the CommScope Flex Wave Prism FP4-100000E2111RU transmitter 9 (with Enhanced Shroud) and please confirm that this is the actual CommScope Flex Wave Prism that will be installed for 1138 Dury DAS Node OAKS-038C (PLN#17374)

- The Base Station Units that will transmit to the CommScope Flex Wave Prism FP4-100000E2111RU transmitter

- The location of the Base Station Units that will transmit to the CommScope Flex Wave Prism FP4-100000E2111RU transmitter and how will the data be transmitted? By fiber-optic line or by wireless means? If by wireless than at what frequency and maximum power input/output? Will the Base Station Unit be part of a Base Station Hotel as described in the CommScope pdfs we can find here? If so, where will the Base Station Hotel be located?

We are trying to confirm the sound/noise report and the maximum power inputs/outputs for all of this equipment.

Thank you,
Lisa Applegate

Rose, Aubrey

From:	Paul McGavin <paul.mcgavin@octowired.com>
Sent:	Thursday, May 24, 2018 5:32 PM
To:	Rose, Aubrey
Cc:	Adhi Nagraj; Jahmese Myres; Jonathan Fearn; Tom Limon; Clark Manus; Amanda Monchamp; Emily Weinstein; At Large; Lisa Applegate
Subject:	Proposal to Change the Timeline for Inspection of Records Responsive to CPRA Requests 18-591 and 18-824

Date: 5/24/18

To: Aubrey Rose

cc: Adhi Nagraj, Oakland Planning Commissioner
Jahmese Myres, Oakland Planning Commissioner
Jonathan Fearn, Oakland Planning Commissioner
Tom Limon, Oakland Planning Commissioner
Clark Manus, Oakland Planning Commissioner
Amanda Monchamp, Oakland Planning Commissioner
Emily Weinstein, Oakland Planning Commissioner
Rebecca Kaplan, Oakland City Council Member

Re: Proposal to Change the Timeline for Inspection of Records Responsive to CPRA Requests 18-591 and 18-824

Dear Mr. Rose,

Will you please place the email/letter from May 23, 2018 into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)? Thank you for doing so.

We heard nothing back today from Alex Katz, Robert Merkamp or anyone else about the delayed delivery of public records responsive to CPRA Requests 18-591 and 18-824 or the reasonable proposal to change thetimeline for inspection of records responsive to CPRA requests 18-591 and 18-824, detailed below.

May 23, 2018

Manager, Agency Administrative
Office of the City Attorney
akatz@oaklandcityattorney.org
510-238-3148

cc: Robert Merkamp

Re: Proposal to Change the Timeline for Inspection of Records Responsive to CPRA Requests 18-591 and 18-824

Dear Mr. Katz,

Thank you for your call this afternoon. I will treat you and Mr. Merkamp as the "dual-points-of-contact" on our now-delayed California Public Records Act (CPRA) requests:

- https://oaklandca.nextrequest.com/requests/18-591

- https://oaklandca.nextrequest.com/requests/18-824 (this is merely a subset of 18-591)

I am writing to confirm the essential content of our conversation this afternoon, Mr. Katz, and to propose reasonable changes to the timeline.

McGavin:
On 5/8/18 and 5/9/18, the City of Oakland via Mr. Merkamp committed to make records, responsive to our CRPA request, available for Lisa Applegate and myself to inspect on 5/23/18. Specifically, Merkamp wrote "the date which we have identified -- May 23rd -- is as 'prompt' as is reasonably practicable for the City to accommodate". This was Merkamp's offer, which I accepted on 5/9/18: "if you wish us to wait another six days from 5/17/18 to 5/23/18 for the volume of records, we will consider that a reasonable delay that we can accept." This is an offer made by Merkamp and then accepted by McGavin, which constitutes **an agreement reached**. In addition,

Merkamp committed that the City of Oakland "will identify any records that have been withheld or determined exempt, and identify the statutory basis for the withholding and the City officials responsible for those determinations."

I asked Mr. Katz to recognize that the City of Oakland missed the 5/23/18 commitment and, therefore, I needed a much more detailed explanation, the terms of which I communicated to Clea Bennett on 5/23/18 @ 4:34 pm, quoted and highlighted in red, below.

Katz:
The City of Oakland is still processing your CPRA request. The City is unable/unwilling to provide anymore detailed information other than you will be able to inspect the records when we are finished reviewing them. We are busy, have lots of CPRA requests and your CPRA request is 1,000 pages or more.

Discussion:
McGavin and Katz each reviewed the California Public Records Act Request Lisa Applegate filed with the City of Oakland on 4/23/18:

> "This is a California Public Records request, per the California Public Records Act (CPRA), Government Code Section 6250 et seq., for any and all public information about or related to applications for the placement, construction or modification of any fiber optic cables or any Wireless Telecommunications Facilities (WTF) in the city of Oakland, including but not limited to presentations, maps, RF Microwave Radiation Exposure analyses, contracts, City Council documents (agendas, minutes, decisions, links to video-taped meetings), correspondence with City Staff/City Council/City advisory boards, letters and email communications to and from Verizon employees/contractors/subcontractors, AT&T employees/contractors/subcontractors, Mobilitie employees/contractors/subcontractors, T-Mobile employees/contractors/subcontractors, Sprint employees/contractors/subcontractors, any other Telecommunications or Wireless provider employees/contractors/subcontratcors and the City of Oakland employees/contractors for the period starting on January 1, 2016 and ending on the the latter of April 23, 2018 or the date when this CPRA request is fulfilled by the City of Oakland staff.

The CPRA information request detailed above is not subject to delay, ten days or otherwise, for the following reasons:

- I am not requesting any copies, just inspection of the existing information in any form (if not easily available in digital format, I prefer to inspect the original documents on site at the Oakland City offices at a specified date/time)
- The information exists in some form within the City of Oakland offices
- The information is not exempt from the CPRA process"

Links to text of California Public Records Act (Government Code Section 6250 et seq.) are here:

- https://leginfo.legislature.ca.gov/faces/codes_displaySection.xhtml?sectionNum=6250.&lawCode=GOV

- http://scientists4wiredtech.com/legislation/ca-public-records-act/

Regards,

Lisa Applegate-Zimanyi

We also reviewed together the language of the Robert Merkamp's emails of 5/8/18 and 5/9/18.

Finally, we discussed that the communication that I received today from Clea Bennett and from Alex Katz, was devoid of any concrete information about the progress of the CPRA record review process and devoid of any useful projection of when we could inspect the records. This lack of specificity is a **real problem** because we need to plan our resources and need to have sufficient time to review the records in order to adequately prepare for the scheduled 6/20/18 Planning Commission meeting on Oakland Case No. PLN17374.

Proposal

As this sounds like this is shaping up to be **a delay of indeterminate length**, we propose the following reasonable solution to the problem:

1. **The City of Oakland will execute a tolling agreement with the AT&T by 5/29/18** (which is **three weeks after** Merkamp committed to start work on this tolling agreement) to ensure that the **shot clock** for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at 1138 Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374) **will not run out until 8/31/18**.

2. Once the tolling agreement is in place, the City of Oakland will **continue** the Planning Commission Hearing for Oakland Case No. PLN17374 **to Wed July 11, 2018**.

3. We will agree to start the inspection of records responsive to our CPRA request starting at some point between 5/24/18 and 6/6/18 and to **receive all records by no later than 6/6/18**.

Making these changes will preserve the same length of time to which we previously agreed, for our records inspection.

Does this sound acceptable? Please let us know.

Emphases, below, added in red.

>>> On 5/23/18 @ 4:34 pm Paul McGavin wrote to Clea Bennett:

Hi, Clea.

With all due respect, these external messages, quoted below, are similar to "the dog ate my homework." We have been waiting for a month for these properly requested public records.

We need the City of Oakland to provide **a much more detailed explanation** that covers the following:

1. How many documents were identified
2. What review process was followed to filter this set of documents
3. A list of the documents that will be available for our inspection and the date(s) on which we can inspect them

4. A list of the documents that will be redacted and a specific reason for that redaction (we will need date, from, to, subject and reason for redaction for each individual document that was part of the records identified, but then redacted)
5. An explanation of why we don't have everything in 3 and 4 by the end of business on 5/23/18.

Thank you for this more detailed response. We are very familiar with the CPRA and our rights. The City of Oakland must comply. The City of Oakland cannot just take all the time it wishes.

>>> On 5/8/18 @ 1:11 pm, , Robert Merkamp wrote to Paul McGavin:

Mr. McGavin,

Thanks for your voicemails. In light of the difficulties obtaining access to the records, I'm letting you know that we will continue the item to a date certain of June 20th in order for proper time to inspect the records. We are also working with the carrier to toll the shot clock on this matter. Aubrey can let you know when that's concluded. In any event, they have been working cooperatively with us and have not raised the shot clock issue and have not started the noticing process themselves.

Respectfully,

Robert D. Merkamp

>>> On 5/9/18 @ 4:01 pm, Robert Merkamp wrote to Paul McGavin:

Mr. McGavin:

Yes, that's no problem, we'll add this letter to the record. As to your other points, we're working on them. I cannot guarantee a date by which the tolling agreement will be executed but we're working on it. As I said yesterday, you should be contacting Aubrey Rose about that.

We fully intend to respond by the May 23rd date as I referenced in my letter. Your response, however, mischaracterizes the City's obligations with respect to the production of responsive records. The sections you have cited, and used to compute the City's alleged obligations with respect to the 10-day response period, and the 14-day extension period, relate to the initial determination of whether a given public records request, in whole or part, seeks copies of disclosable public records in the agency's possession. My letter dated 5-8-18 informed you that, in addition to the records already produced, we expect that there are additional records in the agency's possession which we intend to make available to you as soon as is reasonably possible given the breadth and scope of your request. Although the statute precisely defines the timeframes for providing an initial response to a Public Records Act request, it is less specific in identifying the deadline for disclosing them. Government Code Section 6253(b) provides only that copies of records must be provided "promptly." As explained, the date which we have identified- May 23rd- is as "prompt" as is reasonably practicable for the City to accommodate given the breadth or your request.

As for your request that I provide you with the Master Licensing Agreements by the end of the day, I can't accommodate your request as those records are not in my department. In speaking with Real Estate (who is the keeper of the documents you seek) they told me you were informed that they had provided to you yesterday everything they could and that otherwise you would need to contact the City Attorney's office. When I (or another City official) responds, on May 23rd, to inform you of the volume of additionally responsive records and to make those records available to you, they will identify any records that have been withheld or determined exempt, and identify the statutory basis for the withholding and the City officials responsible for those determinations.

As to your other issues and anything else related to the project, please work directly with Aubrey Rose on these matters as he's the case planner and is going to be more immediately available to you and your client than I can be.

Thanks,

Rose, Aubrey

From: CHAN, DAREN L <dc016g@att.com>
Sent: Tuesday, May 29, 2018 3:44 PM
To: paul.mcgavin@octowired.com
Cc: MULLER, VANI; Rose, Aubrey; applegate_dance@yahoo.com; Merkamp, Robert; sharon@collierphotography.com; clindsay@extenetsystems.com; gomezabarcaa@bv.com; Patrick Wildi; Richard Hall; Collier-Wildi Properties
Subject: AT&T Application PLN17374, DAS Node 38
Attachments: 20180523 OAKS-038 Letter.pdf; ATT Letter DAS Node 38.pdf

Dear Mr. McGavin and Ms. Applegate,

Attached are AT&T's responses to your inquiries about the referenced project. The hearing before the Oakland Planning Commission has been scheduled for July 11, 2018.

Sincerely,

Daren Chan
AT&T External Affairs

From: CHAN, DAREN L
Sent: Thursday, May 10, 2018 1:10 PM
To: paul.mcgavin@octowired.com
Cc: MULLER, VANI <vm6940@att.com>; arose@oaklandnet.com; applegate_dance@yahoo.com; rmerkamp@oaklandnet.com; sharon@collierphotography.com; clindsay@extenetsystems.com; gomezabarcaa@bv.com
Subject: PLN17374 - 1138 Drury Rd - ExteNet AT&T Oak-038C

Dear Mr. McGavin,

My name is Daren Chan and I'm with AT&T External Affairs. AT&T acknowledges receipt of your May 9, 2018, email and request and is currently working on a detailed response. We will send you the response in the near term.

Sincerely,

Daren Chan
AT&T External Affairs

VANI MULLER
Area Manager, Construction & Engineering

AT&T Mobility Services LLC
5001 Executive Parkway
San Ramon, CA 94583

(510) 258-1703 Phone
vm6940@att.com

May 29, 2018

VIA EMAIL
Paul McGavin (paul.mcgavin@octowired.com)
and
Lisa Applegate (applegate_dance@yahoo.com)

Re. AT&T Application PLN17374
AT&T DAS Node 38

Dear Mr. McGavin and Ms. Applegate:

I write on behalf of New Cingular Wireless PCS, LLC d/b/a AT&T Mobility (AT&T) to respond to your requests for information and questions about AT&T's application to place a distributed antenna system (DAS) node on a replacement metal light pole in the public right-of-way near the intersection of Besito Avenue and Drury Road in Oakland. This site is known as Node OAKS-038C, or simply Node 38. The full details for AT&T's application PLN17374 can be found on file with the City of Oakland. The Oakland Planning Commission will hear and consider AT&T's application at its public meeting on July 11, 2018.

You have asked several questions about the details presented in the Statement of Hammett & Edison, Inc., Consulting Engineers. For the sake of clarity, the relevant statement is dated March 15, 2018, and it was prepared and signed by a California-licensed professional engineer who works at Hammett & Edison. AT&T asked Hammett & Edison to respond to items 1 through 5 of your May 8, 2018 correspondence. Enclosed with this letter is the May 23, 2018 letter from Mr. Hammett, which responds to these inquiries. Mr. Hammett's letter also responds to your separate inquiry regarding antenna input powers.

Item 6 of your May 8, 2018 correspondence asks for predicted signal strengths from AT&T's proposed frequencies for every 50 feet of distance in eight directions and at various antenna power levels. AT&T's forecast for signal strength can be seen by reviewing its Radio Frequency Statement for this site, which includes a narrative explanation for predicted coverage and attaches propagation maps for its 3G UMTS and 4G LTE services from Node 38. This Radio Frequency Statement was filed with the application. AT&T uses industry-standard radio frequency planning software called ATOLL to analyze and predict its network's performance, including analyses of coverage and interference. AT&T designs and builds its wireless network using this prediction software that includes modeling tools to identify signal characteristics in areas served and to be served. This information is developed from many sources including terrain and clutter databases, which simulate the environment, and propagation models that

simulate signal propagation in the presence of terrain and clutter variation. The exhibits to AT&T's Radio Frequency Statement depict the results of this modeling overlaid on a scaled street map in order to identify where the levels of service are predicted to propagate. These are industry-standard maps that providers like AT&T prepare in connection with designing and building wireless networks. And while these maps do not provide isobars every 50 feet, they do depict forecasted signal strength levels in all directions.

Item 1 in your May 4, 2018 correspondence asks about the applicable timeframe for the city's review of the application under the Federal Communications Commission's "shot clock." AT&T's application was filed on September 18, 2017, at which time the shot clock began to run. The shot clock for this application was not paused and has expired. AT&T sees this as a non-issue at this time because the matter is set for hearing before the Oakland Planning Commission on June 20, 2018. AT&T and the city continue to work together on the city's review of the application.

Item 2 in your May 4, 2018 correspondence refers to "missing" antenna and radio specifications. Please refer to the construction drawings stamped on January 8, 2018, which are on file with the city for AT&T's application. These drawings are not missing any required information, and we are happy to provide you with the following responses to your questions. As you noted, AT&T's construction drawings indicate that we will deploy Kathrein 840-10525 antennas on Node 38. This is accurate. Whether or not you are correct that this model is no longer being manufactured, these antennas are stocked for construction of Node 38. In fact, this is the model antenna that AT&T has deployed throughout this DAS that includes more than 75 nodes. And where possible it is important to use the same antenna throughout a service area because uniformity in design is an important criterion in radio frequency design engineering. You also asked about the outputs from the antennas. As depicted in the construction drawings, the Kathrein panel antennas have six ports.

You also asked about a "Base Station Hotel," and why it is not shown on the construction drawings. AT&T uses the term "head end" for the DAS. The head end is not located near Node 38. It is located along Bancroft Way in Berkeley, approximately 2 miles away from Node 38. The head end is not included in construction drawings because it is not part of AT&T's application for Node 38.

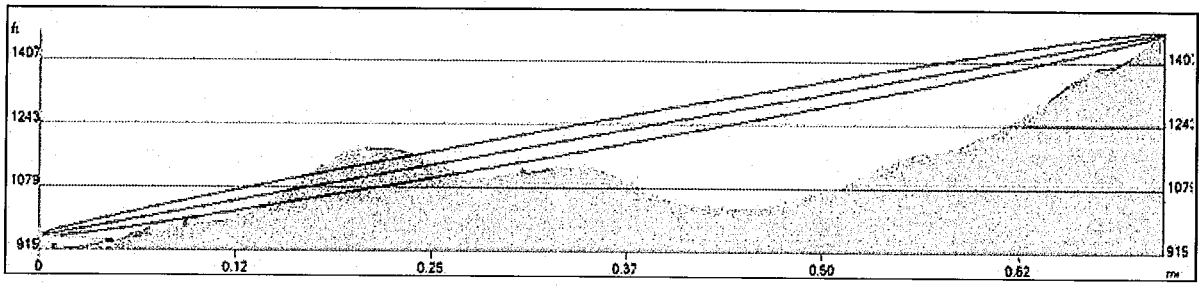
You next asked for information about the Flexwave Prism that will be a component of Node 38. This equipment is identified on Sheet A-3 in the construction drawings. Attached here is a specification sheet for the CommScope Flexwave Prism (please note that the manufacturer has changed its name to CommScope – this is the same equipment as proposed). Specifically, AT&T will deploy the CommScope Flexwave Prism, model number FP4-10000002111RU. Enclosed here is the manufacturer's specification guide for the Flexwave Prism. Data from the hub to Node 38 will travel over fiber.

Relatedly, Ms. Applegate asked where is the battery backup for Node 38. The battery backup unit is located within the pole-mounted equipment shroud.

Item 3 in your May 4, 2018 letter takes issue with AT&T's network design, as well as its efforts to investigate alternative locations, and you suggest an alternative site near an existing radio tower about two-thirds of a mile away from Node 38. In order to address its coverage needs in the area to be served by Node 38, AT&T undertook a thorough investigation and a good faith comparison of twelve alternative locations in the vicinity. AT&T's Alternative Sites Analysis is available on file with the city as part of its application for Node 38. Because DAS nodes are small wireless telecommunications facilities, they can be mounted on existing or replacement utility infrastructure in the public rights-of-way. In this way, AT&T is proposing the least intrusive solution to its significant service coverage gap in this portion of the city. Over the last four and a half years, we have worked closely with City Staff to identify the best available and least intrusive means to serve this neighborhood. For example, in October 2017, we met with City Staff and residents at the proposed location, viewed the location from various vantage points, including from inside and outside of nearby homes, and together we walked the area to examine potential alternative sites for Node 38. In the course of developing this application and working with staff and residents, AT&T examined numerous alternative sites. At the request of staff and residents, our team developed a revised design to reduce the height of the proposed facility. In recent months, we have continued to work closely with City Staff in an ongoing effort to present the best available and least intrusive location. Just last month, AT&T met again with residents and the City Planner at the site location to discuss the site and AT&T's efforts to identify the most appropriate site for Node 38.

Wireless communication is line-of-sight technology that requires antennas to be in relatively close proximity to the wireless devices to be served. Additionally, for capacity and quality reasons, the signal must be effectively contained so that it does not interfere with network coverage in other areas. These issues are particularly challenging in the Oakland Hills because of elevation changes, sloping terrain and mature vegetation. This hilly portion of the city is more effectively served by the DAS than by macro towers. In fact, these are some of the reasons that AT&T determined that the DAS is the best way to address its service issues in this area. The signals from lower powered, smaller, evenly-distributed nodes is easier to contain within the target area and prevents interference by signals bleeding throughout the area.

You identified the location of KPFA-FM Berkeley as a possible alternative from which AT&T could serve this area. Based on your description, we identified a radio tower along Grizzly Peak Boulevard at approximate coordinates 37°51'54.90"N, 122°13'16.92"W. This radio tower is situated on the top of a high hill overlooking much of the Bay Area, approximately two-thirds of a mile to the northeast from Node 38. This location does not offer a feasible alternative to Node 38. A site at or near that radio tower would not serve this neighborhood. A distributed antenna system node would not provide an effective signal over this distance. In addition, a macro facility also would not address AT&T's coverage objective. Due to the significant changes in terrain in between, line-of-sight from the location of the radio tower to the service objective is lacking. Below is an elevation profile of this area that depicts line-of-sight (blue lines) from the location of the radio tower (upper left) to the coverage objective (lower right). This elevation profile is a part of the terrain data available in ATOLL. As you can see, it is not



feasible from a radio frequency perspective to serve the coverage objective from a site at the location you identified due to terrain between the two locations. Recently, project team members visited these locations and confirmed the lack of line-of-sight between the locations.

Additionally, a site at that radio tower with signals targeting the subject coverage objective would produce signals that would create interference across AT&T's network by overshooting the neighborhood and bleeding between valleys and towards the Bay. One network design criterion that AT&T must consider as part of any plan to build a new wireless telecommunications facility within its existing network is the need to mitigate potential interference with surrounding existing sites. Radio frequency interference disturbs propagation of signals and degrades service performance and signal quality. Radio frequency interference occurs when signals cannot be contained to the targeted coverage area. From a facility at the location you propose, it would not be possible to contain the signal within the intended coverage area. The result would be signals bleeding across the network, which would interfere with AT&T's network and undermine service coverage and quality throughout the region.

Area residents have also asked about testing performed last December and about a temporary pole erected at the proposed site for Node 38 at that time. That temporary pole was placed at that location in order to perform radio frequency testing in the area. In fact, the purpose of the test was to determine whether AT&T could reduce the height of Node 38 in response to City Staff and resident requests while still meeting its coverage objective. Based on the radio frequency testing performed at that time, AT&T determined that it could reduce the height of Node 38 by four and a half feet to a revised top height of 35 feet. Soon thereafter, AT&T revised its proposal and submitted new drawings for the reduced height.

More recently, Ms. Applegate asked about wiring that runs to the existing pole at the proposed location for Node 38. We have confirmed that there is no wiring belonging to AT&T on that pole. These are preexisting power wires servicing the pole, and they are not related to AT&T's project.

Please know that AT&T is working to meet its service coverage objectives in this portion of the city by the least intrusive means. We are dedicated to deploying a DAS node that will be part of a larger group of similar facilities across the Oakland Hills in order to serve the many difficult-to-reach locations there. The proposed location near the intersection of Besito Avenue and Drury Road presents an opportunity for AT&T to serve this area with the least intrusive location and design. I trust this information is helpful to you. Again, AT&T's application is on

file with the city and the Planning Commission meeting on July 11, 2018 will be open to the public.

Sincerely,

Vani Muller

Attachments: Letter from Hammett & Edison, Inc., Consulting Engineers
CommScope document for Flexwave Prism

cc: Sharon Collier (rentals@collierwildi.com)
Patrick Wildi (patrick@wildi.com)
Richard and Angela Hall (Contactrahall@gmail.com)
Aubrey Rose, Planner III (Arose@oaklandnet.com)

Rose, Aubrey

From: Sharon Collier <sharon@collierphotography.com>
Sent: Monday, June 04, 2018 4:31 PM
To: Rose, Aubrey; Merkamp, Robert; Gilchrist, William; Patel, Bijal; Mulry, Brian; Moreno, Doryanna
Cc: Patrick Wildi; Lisa Applegate-Zimanyi
Subject: PLN17374
Attachments: CityofOakland_letter_060318_PLN17374.pdf

Hello,

Please see attached letter regarding PLN17374.

Thank you,

Sharon Collier, Patrick Wildi, Lisa Applegate et al

Neighbors in The Claremont Canyon area

June 3, 2018

VIA E-MAIL

Aubrey Rose, current Case Planner
<ARose@oaklandnet.com>

Bijal Patal, Special Counsel
<BPatel@oaklandcityattorney.org>

Robert Merkamp, Planning Manager
<rmerkamp@oaklandnet.com>

Brian Mulry, Deputy City Attorney
<BMulry@oaklandcityattorney.org>

William Gilchrist, Director of Planning
<WGilchrist@oaklandnet.com>

Doryanna Moreno, Supervising Attorney
<dmoreno@oaklandcityattorney.org>

Re: DAS Node OAKS-038C (Oakland Case No. PLN17374)

Hello,

We have been receiving much conflicting information regarding PLN17374. Our first of 10 notices regarding this proposal was received shortly before October 12, 2017 when we saw a dozen workers with cones, drills, wires and other equipment blocking part of the streets around Besito and Drury Road to Amito, and drilling at the proposed location for PLN17374. We called the Case Planner at City of Oakland (Marilu Garcia at that time) to ask if construction was in progress prior to permit review, and within minutes of that contact the workers suddenly left, literally throwing their equipment in their trucks and driving off. This was the same week Governor Brown vetoed SB649.

Many people in our residential neighborhood have protested since the ExteNet/BV application to install a new cell tower was brought to our attention and over the past several months we have had numerous meetings and have provided significant evidence of view obstruction, propinquity to residences, and disingenuous information in the application and proposals submitted. On April 11, 2018 we received a copy of the application and noted that it was not dated, and that it had numerous false and misleading statements, and included a tree permit approval that was based on this inaccurate application. ExteNet is listed as the applicant, via "BV", signed by Ana Gomez. AT&T was not listed anywhere on the application document. We believe that the application never should have been accepted, and we understand that some revisions, or perhaps a new application was received on January 8 or January 18, yet we do not have clarification on that.

We have repeatedly requested information regarding coverage needs as we have proven there is no coverage gap in our area, and we have also repeatedly requested information regarding other information pertinent to site requirements and purpose. On October 25, 2017 during a "community meeting" with several representatives of the applicant companies, we were promised information regarding the coverage criteria, when it was determined (as many of us noted that we do not have coverage issues), as well as site criteria in order for us to assist in identifying alternate options. To this day, we have not received the requested and promised information regarding when and how coverage needs have been determined, as again multiple tests have proven that there is no coverage gap in this area, and what we have received is contradictory and inconsistent.

We have received eight notices to date (some received after dates of PC meetings) with two more promised and PLN17374 has been on and off the City of Oakland Planning Commission calendar no less

than six times since October 2017. In this timeframe we have attempted on numerous occasions, many documented via email, to attain the requested information and the applicant has stalled repeatedly and still has not provided all promised information.

Until recently, we had never heard of the incomprehensible FCC ruling 6409(a) pertaining to the shot clock. *'In a Report and Order released October 21, 2014, the FCC laid out the criteria for determining whether or not an application qualified for treatment as an "eligible facilities request" and adopted... shot clock for approving those requests, with a "deemed granted" remedy for applicants to invoke if the locality failed to timely act.' per Best, Best & Krieger League of California Cities City Attorneys' Spring Conference.*

The City of Oakland representatives should have rejected an incomplete, inconsistent application. The undated application that is materially flawed and loaded with false and misleading statements, which we deem to be an ineligible facilities request - was already on file for over 150 days when this issue came to our attention! Had we known about this issue, we would certainly have pushed for a decision within 150 days, and in fact we have been pushing all along for a rejection, but have been stonewalled and misled throughout the process. Interestingly, the applicants had told some of the residents that attended the October 25, 2017 meeting that they would get back to us regarding our coverage and site criteria questions "not this week, but soon". We did not hear anything at all from them, despite further requests from us including a December 1, 2017 email - until February 14, 2018, almost exactly 150 days from the said filing of their undated application. This communication from Ana Gomez of Black & Veatch, applicant on record, still did not address any of our queries but rather stated that their analysis was complete and that they still wanted to use the same location!?! When we demanded that they provide the promised information, they stalled again. Ana Gomez did not respond to emails or phone calls, so on February 26, 2018 we called everyone who had been at the meeting and given us business cards, and received this email in response:

February 26, 2018 at 5:16:43 PM PST

Hi Sharon,

Thank you for the voice message and apologies for any confusion and the delayed response. We are working on providing you updated materials based on our meeting in October that you can review and should have something to you this week. I assume you'll want to review the materials before setting up a follow up meeting, so we can hold off on tomorrow's proposed meeting.

We'll be in touch soon.

Sincerely,
Daren Chan
AT&T External Affairs

On March 7, 2018 Ana Gomez forwarded some documents on AT&T letterhead that were disingenuous to say the least. Despite numerous email and telephone requests for updates and information (to Marilu Garcia, who did not reply) City of Oakland Planning Department allowed the applicant to stall for time.

Our contention is that the shot clock for this case is not applicable and has not expired.

Aubrey, in conversations with Lisa Applegate you have reportedly told her in various terms that the shot clock was not a concern, and on email you told her that the shot clock had started running on September 18, 2017. When I called asking for a meeting and spoke with you on May 22, 2018 I told you I was concerned about the concept of the shot clock as you do know that our neighborhood is strongly resisting this proposal, and asked for clarification. You specifically told me that the shot clock is "not an automatic process" and that we have "nothing to worry about", because as there are hundreds of telecom applications the applicants would not want to upset the City of Oakland and they had not started, nor were expected to start, the very specific process involved in activating this claim. However, based on current events, we do worry!

On Tuesday, May 29, an email came in from Daren Chan and Vani Muller of AT&T with a letter stating that: "AT&T's application was filed on September 18, 2017, at which time the shot clock began to run. The shot clock for this application was not paused and has expired. AT&T sees this as a non- issue at this time because the matter is set for hearing before the Oakland Planning Commission on June 20, 2018. AT&T and the city continue to work together on the city's review of the application."

The first discrepancy we notice here is that AT&T did **not** file an application, but rather their sub - subcontractor did! AT&T has been very careful to explain that they are not directly involved in what their subcontractors do, so it is of extra concern that they refer to the "AT&T application" when it was actually Ana Gomez of "BV for ExteNet" that signed the undated application, listing ExteNet LLC as the applicant. Of further concern is Daren Chan's statement in his letter received on May 29, 2018 that "AT&T sees this as a non-issue at this time".... yet, if this application were to be denied at the City of Oakland Planning Commission meeting, would it suddenly become an issue? We feel that this could potentially obliterate all the effort involved throughout our neighborhood in resisting having this proposed tower be installed across the street from many homes, in a most intrusive and unacceptable manner, only to suddenly risk the shot clock issue becoming an issue instead of a non-issue.

In his email, Mr. Chan also mentioned that the Planning Commission hearing is now scheduled for July 11, 2018. The last information we had received from you was that the hearing is to be on June 20, 2018 so this was quite surprising to receive notice of a date change from AT&T and not The City of Oakland!

We realize that you are juggling hundreds of telecom applications throughout Oakland simultaneously, with more coming in constantly. We are one neighborhood at this point, with numerous documented issues on file resisting having this installed in our midst (or perhaps this would be the first of many; it is difficult to say the way these applications are coming through one or two at a time). At any rate, we deserve our due process, and we do hope that The City of Oakland Planning Department can resolve this issue with the applicants and co-applicants immediately and finally, so that we can preserve our rights to be heard and taken seriously in the Planning Commission meeting, which is now scheduled to take place on July 11, 2018, unless it gets rescheduled yet again.

Better yet, we believe this application should be denied and removed completely!
Thank you for your discernment.

Respectfully submitted,

Sharon Collier, Patrick Wildi, Lisa Applegate
Representing Neighbors in The Claremont Canyon

Rose, Aubrey

From:	Paul McGavin <paul.mcgavin@scientists4wiredtech.com>
Sent:	Thursday, June 14, 2018 1:49 PM
To:	Adhi Nagraj; Jahmese Myres; Jonathan Fearn; Tom Limon; Clark Manus; Amanda Monchamp; Emily Weinstein; At Large
Cc:	Rose, Aubrey
Subject:	Sonoma Planning Commission Meeting Tonight & Shot Clock Tolling Agreement
Attachments:	2018-0418-Sebastopol-Verizon-Tolling-Agreement.pdf

Date: 6/14/18

To: Adhi Nagraj, Oakland Planning Commissioner
Jahmese Myres, Oakland Planning Commissioner
Jonathan Fearn, Oakland Planning Commissioner
Tom Limon, Oakland Planning Commissioner
Clark Manus, Oakland Planning Commissioner
Amanda Monchamp, Oakland Planning Commissioner
Emily Weinstein, Oakland Planning Commissioner
Rebecca Kaplan, Oakland City Council Member

cc: Aubrey Rose

Re: Sonoma Planning Commission Meeting Tonight & Shot Clock Tolling Agreement

Mr. Rose, will you please place the email/letter from June 14, 2018 into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)? Thank you for doing so.

To the Oakland Planning Commissioners,

Our Proposal (emailed to each of you on 5/24/18)

As this sounds like this is shaping up to be **a delay of indeterminate length**, we propose the following reasonable solution to the problem:

1. **The City of Oakland will execute a tolling agreement with the AT&T by 5/29/18** (which is **three weeks after** Merkamp committed to start work on this tolling agreement) to ensure that the **shot clock** for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at 1138 Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374) **will not run out until 8/31/18**.

2. Once the tolling agreement is in place, the City of Oakland will **continue** the Planning Commission Hearing for Oakland Case No. PLN17374 **to Wed July 11, 2018**.

3. We will agree to start the inspection of records responsive to our CPRA request starting at some point between 5/24/18 and 6/6/18 and to **receive all records by no later than 6/6/18**.

We heard back on numbers 2 and 3 (the matter was continued to 7/11/18 and all CPRA-requested documents should be available by 6/15), but not number 1, which is odd.

Other Cities in the Bay area have had had no problem executing clarifying **Letters of Shot Clock Tolling Agreement,** when the statutory 150 days had run, but the City had not yet completed its public process. See the email re: Sonoma below and the Sebastopol letter attached. If AT&T is a respeceted business partner of the City of Oakland, then they should have no problem acting in good faith on this matter and executing a clarifying Letter of Shot Clock Tolling Agreement to ensure that the **shot clock** for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at 1138 Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374) **will not run out until 8/31/18.**

Will you please immediately address this matter and instruct the Planning Commission and AT&T to respect the City of Oakland's due process by executing a clarifying Letter of Shot Clock Tolling Agreement? Not doing so is an act of bad faith by AT&T, the City of Oakland or both.

Thank you.

>>> On 6/14/18, Paul McGavin wrote to Oakland residents:

Hi, Mark et. al.

I just spoke to David Goodison (the Sonoma Planning Director who will be retiring in August) and learned the following:

- The current Verizon Close Proximity Microwave Radiation Antennas (CPMRA) applications were received in the fall of 2017.
- 150 days have already run from the application receipt date.
- The City is **in the process of executing a Shot Clock Tolling Agreement** with Verizon to negotiate a mutually-agreeable shot clock end date that will be several months out -- for a **date after** the proper public process has been completed.

I suspect the agreement will be similar to the Shot Clock Tolling Agreement between Verizon and the City of Sebastopol, attached.

Why AT&T has been unwilling to execute such a Tolling Agreement with the City of

Oakland for all older CPMRA applications is a mystery, but is merely a material negotiating point in this long process.

--

Regards,

Paul McGavin
Scientists For Wired Technology
work: 415-382-4040
text: 707-939-5549
skype: paulmcgavin

MACKENZIE & ALBRITTON LLP
155 SANSOME STREET, SUITE 800
SAN FRANCISCO, CALIFORNIA 94104

TELEPHONE 415/288-4000
FACSIMILE 415/288-4010

April 18, 2018

VIA EMAIL

Larry McLaughlin, Esq.
City Attorney
City of Sebastopol
7120 Bodega Avenue
Sebastopol, California 95472

Re: Verizon Wireless Application 2018-13
Telecommunications Facilities, Public Right-of-Way
6985 Hutchins Avenue (Node 001), 965 McFarlane Avenue (Node 008)
FCC Shot Clock Tolling Agreement: July 31, 2018

Dear Larry:

We write to you on behalf of our client GTE Mobilnet of California Limited Partnership dba Verizon Wireless ("Verizon Wireless") with respect to the above-referenced applications for proposed wireless facilities (the "Applications"). Federal law requirements obligate the City of Sebastopol (the "City") to take final action on the Applications within a specified time period unless the time period is extended by mutual consent. Verizon Wireless believes the time period for the City to act on the applications will expire prior to a decision. When countersigned, this letter will confirm an agreement between Verizon Wireless and the City to extend the applicable time period for review of the Applications under the federal Telecommunications Act to July 31, 2018.

The federal Telecommunications Act requires that local governments act on wireless siting applications "within a reasonable period of time." *See* 47 USC § 332(c)(7)(B)(*ii*). In a 2009 declaratory ruling, the Federal Communications Commission established a legal presumption that a local government has violated this requirement if it takes longer than 90 days to act on a collocation application or 150 days to act on any other type of application. *See In Re: Petition for Declaratory Ruling to Clarify Provisions of Section 332(c)(7)(B) to Ensure Timely Siting Review, Etc.*, FCC 09-99 (FCC November 18, 2009) (the "Ruling").[1] The Ruling further permits the period for review of an application to be extended by mutual consent. Ruling, ¶ 49.

In order to allow the City to act on the Applications in an orderly manner, without either party risking the loss of important rights, the parties agree that the time period within which the City may take final action on the Applications shall be extended through

[1] The Ruling was upheld by the United States Supreme Court on May 20, 2013. *See City of Arlington v. Federal Communications Commission*, 133 S. Ct. 1863 (U.S. 2013).

July 31, 2018, and that no limitations period for any claim of unreasonable or unlawful delay in processing the Applications shall commence to run before said date.

If you agree, this letter agreement may be executed in counterparts, and scanned or facsimile signatures shall be deemed equivalent to original signatures. I will appreciate your returning a countersigned copy to me.

Sincerely,

Paul B. Albritton

cc: Dana Morrison

ACCEPTED AND AGREED TO:

City of Sebastopol

By: _____

Printed name: Larry McLaughlin

Title: City Manager / City Attorney

WENDEL ROSEN
BLACK & DEAN LLP

1111 Broadway, 24th Floor
Oakland, CA 94607-4036

T: 510-834-6600
F: 510-808-4752

www.wendel.com
amoore@wendel.com

June 29, 2018

By Hand-Delivery June 29, 2018

Planning Commission
City of Oakland
c/o Aubrey Rose
250 Frank H. Ogawa Plaza, Suite 2114
Oakland, CA 94612

Re: Monopole Telecommunications Facility
1138 Drury Rd (PLN17374)
Major Conditional Use Permit and Regular Design Review
Oakland City Planning Commission Hearing July 11, 2018

Dear Planning Commissioners:

Our offices represent Sharon Collier and Patrick Wildi ("Collier-Wildi"), owners of the residence at 1 Drury Lane in Oakland, California ("Collier-Wildi Residence") . Collier-Wildi are very concerned regarding the proposal to place a new "small cell site" Monopole Telecommunications Facility at 1138 Drury Road ("New Monopole") across the street from the Collier-Wildi Residence and neighboring homes in the existing Hillside Residential neighborhood.

Please see attached hereto a letter from Collier-Wildi, dated June 29, 2018, setting forth their concerns ("Collier-Wildi Letter"). This legal letter ("Legal Letter") is intended to supplement the Collier-Wildi Letter. We understand that this Legal Letter and the Collier-Wildi Letter will be included in the Planning Commissioners' packet for the hearing on July 11, 2018.

Legal Issues/Concerns

1. The New Monopole does not comply with the City of Oakland's Telecommunications Regulations set forth at Chapter 17.128 of the Oakland Municipal Code ("OMC").

The OMC AT Chapter 17.128 lists the regulations and requirements for wireless facilities (telecommunications facilities) throughout the City. Specifically, Section 17.128.080 sets forth requirements for "Monopole Telecommunications Facilities," which includes the proposed New Monopole.

The New Monopole does not comply with Section 17.128.080, and the findings for the New Monopole cannot be made, for reasons including the following:

A. New Monopole is Inconsistent with Section 17.128.080.A.3.

Section 17.128.080.A.3. states:

"When a monopole is in a Residential zone or adjacent to a residential use, it must be set back from the nearest residential lot line a distance at least equal to its total height."

We understand the New Monopole is proposed to be 35' high. The New Monopole is adjacent to residential uses and is required to be set back at least 35'. We further understand the New Monopole is proposed to be only approximately 15' from the nearest residential lot line and adjacent residential uses.

The application should be rejected on this basis alone. The required finding cannot be made. We understand the applicants have requested a minor variance for this section. The minor variance should not be granted, and the findings for a variance cannot be made. (See **Section 2**, below). Instead, the New Monopole should be relocated to a different location.

B. . New Monopole is Inconsistent with Section 17.128.080.B.2.

Section 17.128.080.B.2 states:

"Monopoles should not be sited to create visual clutter or negatively affect specific views."

The New Monopole is inconsistent with this requirement. The New Monopole is part of a proposed "small cell network." We understand this network consists of a series of radio access nodes, connected by fiber optic cables that distribute wireless communications signals. Stated another way, this is only one of many new facilities/antennas that will be proposed in the area and within the City of Oakland. *This application must be reviewed in the context of the entire program.*

Further, the New Monopole will significantly impact the views of the Collier-Wildi residence and other neighbors. The views that will be "blocked" are major, sweeping views of the entire Oakland downtown area and San Francisco Bay.

We note that once the New Monopole is approved – the New Monopole can then be increased in height (and new antenna added) with very little/no further permit review or oversight.

We further request that the Planning Commission understand that after the firestorm, the utilities in this area were undergrounded. Now, years later, above-ground facilities are being built – further cluttering the area.

C. New Monopole is Inconsistent with Section 17.128.080.B.3.

Section 17.128.080.B.3 states:

"Monopoles should be screened from the public view whenever possible."

The New Monopole is inconsistent with this requirement. The New Monopole is partially screened at its base by existing trees – but the significant upper portion of the New Monopole will be clearly visible from the public views of the surrounding neighbors.

D. New Monopole is Inconsistent with Section 17.128.080.B.5.

Section 17.128.080.B.5 states:

"Site location and development shall preserve the preexisting character of the surrounding buildings and land uses and the zone district as much as possible. Wireless communications towers shall be integrated through location and design to blend in with the existing characteristics of the site to the extent practical. Existing on-site vegetation shall be preserved or improved, and disturbance of the existing topography shall be minimized, unless such disturbance would result in less visual impact of the site to the surround area."

This New Monopole is inconsistent with these requirements. The New Monopole will not preserve the existing character of the neighborhood. The New Monopole is placed next to an existing pole with an emergency speaker. The result of the two adjacent structures is an "institutional" and "industrial" look in the middle of a residential neighborhood. On-site vegetation will not be preserved. The location of the New Monopole and associated structures will impact the base and root system of the existing trees which help to shield the lower portion of the existing pole – and such trees will eventually die.

E. New Monopole is Inconsistent with Section 17.128.080.C.1.

Section 17.128.080.C.1 states:

"The project must meet the special design review criteria listed in subsection B. of this section."

As set forth above, the New Monopole is inconsistent with the design review criteria of subsection B. The New Monopole will result in visual clutter and will negatively impact significant existing views of the City of Oakland and San Francisco Bay.

F. New Monopole is Inconsistent with Section 17.128.080.C.2.

Section 17.128.080.C.2 states:

> "Monopoles should not be located any closer than one thousand five hundred (1,500) feet from existing monopoles unless technologically required or visually preferable."

The New Monopole will be inconsistent with this Section. The New Monopole is part of a network of antennas, which will be close together, and will be placed throughout the area and City. Such a network is not "technologically required" instead, it is a request based on profit motive. Further, such network is clearly not "visually preferable" – instead, such network will have a negative impact on immediate neighbors and throughout the City.

G. New Monopole is Inconsistent with Section 17.128.080.C.3.

Section 17.128.080.C.3 states:

"The Monopole Facility will not disrupt the overall community character."

The New Monopole will not be consistent with this requirement. The New Monopole, located immediately adjacent to an existing pole with a public emergency speaker, will give the area an industrial look – disrupting the residential character of the area.

H. New Monopole should comply with Section 17.128.080.C.4.

Section 17.128.080.C.4 states:

"If a major conditional use permit is required, the Planning Director or the Planning Commission may request independent expert review regarding site location, collocation and facility configuration. Any party may request that the Planning Commissioner consider making such request for independent expert review.

We believe the Planning Director or the Planning Commission should request further independent expert review regarding site location in this case, given the significant impacts on the community and the significant view blockage in this case.

I. New Monopole is inconsistent with Section 17.136.050(B)(1).

Section 17.136.050(B)(1) states:

"That the proposal will help achieve or maintain a group of facilities which are related to one another and which, when taken together, will result in a well-composed design, with consideration given to site, landscape . . . the relation of these factors to other facilities in the vicinity; and the relationship of the facility to the total setting as seen from key points in the surrounding area."

The New Monopole is inconsistent with this requirement. The New Monopole will be located immediately adjacent to an existing pole with emergency speaker, giving the area an "industrial" look. The two poles will be seen from all over the area.

J. New Monopole is inconsistent with Section 17.136.050(B)(2).

Section 17.136.050(B)(2) states:

"That the proposal will be of a quality and character which harmonizes with, and serves to protect the value of, private and public investments in the area."

The New Monopole is inconsistent with this requirement. The New Monopole will result in the lowering of property values in the area, given the industrial look and the blocking of views of the Oakland downtown and Bay.

K. New Monopole is inconsistent with Section 17.136.050(B)(3).

Section 17.136.050(B)(3) states:

"That the proposed design conforms in all respects with the Oakland General Plan and with any applicable design guidelines or criteria, district plan, or development control."

The New Monopole is inconsistent with this requirement. The General Plan intent for the Hillside Residential area is to "create maintain and enhance neighborhood residential areas that are characterized by detached, single units on hillside lots." The New Monopole is absolutely inconsistent with this intent – the New Monopole does not maintain or enhance the neighborhood residential area in any way – the New Monopole serves only a small area, and it creates a significant industrial look and visual impact. Further, the New Monopole is part of a larger project that will clutter the entire area.

2. The findings cannot be made under OMC 148.050 for a minor variance in this matter.

The findings cannot be made under OMC 148.050 for a minor variance in this matter, for reasons including those set forth below.

A. Strict compliance with the City's OMC will not result in any hardship due to unique physical or topographic circumstances.

There are no unique circumstances here. As shown in the attached letter and other documents, there is no significant "coverage gap" that needs to be addressed in this area. The New Monopole will serve only a very small area. Further, strict compliance would not preclude an effective solution. The New Monopole can be placed in a number of other locations.

B. The variance, if granted, will not adversely affect the character, livability, or appropriate developments of abutting properties.

The variance indeed would significantly affect the character and livability of the adjacent area, for reasons set forth herein. The entire area would have an industrial look – and the significant views of neighbors will be blocked.

C. The variance will not grant a special privilege.

The variance would grant a special privilege. The setbacks are designed to protect the neighborhood. There are other locations which can be used without setback variances.

Thank you for your review and consideration of these comments.

Very truly yours,

WENDEL, ROSEN, BLACK & DEAN LLP

Allan C. Moore

cc: Clients

ACM/ACM

By Hand-Delivery June 29, 2018

Planning Commission
City of Oakland
c/o Aubrey Rose, Case Planner
250 Frank H. Ogawa Plaza Ste 2114
Oakland, CA 94612

Re: Monopole Telecommunications Facility
1138 Drury Road (PLN17374)

Dear Planning Commissioners:

We live at One Drury Lane where we also telecommute most days. This proposed tower would be across the street from our home, directly in the site of our main viewpoint towards the San Francisco Skyline and the Bay. This would be an eye sore from multiple rooms. How would you feel if this was in front of your house?

We are AT&T customers and have plenty of cell phone coverage. We are also able to stream videos on our phones (over 4G/LTE) in our home and throughout the neighborhood. Furthermore, the utilities are underground in this location and we do not need or want above ground services.

We can't imagine a business case that would make it worthwhile for AT&T to only cover about 20 houses that already have sufficient coverage. This leads us to expect that this proposed facility is merely a Trojan Horse. If you approve this The City of Oakland will have no say when the applicant eventually expands this site, as is happening in other communities. This would directly impact our view of San Francisco and the Bay, as well as our neighbor's similar views.

We are attaching an addendum to this letter with more details and some representative images that show the visual impact.

To summarize, our main concerns include:

> Unsubstantiated coverage claims
> View obstruction
> Aesthetics: visual clutter, blight
> Property devaluation
> Close proximity to several houses
> Unsightly above ground utilities on pole, creating further blight
> Risk of firestorm or earthquake damage
> Health and other safety risks
> Emergency shutdown procedures are not sufficient
> Inevitable tree damage during construction creates blight
> Colocation would create further height, antennas

Please do not approve this application - this proposed tower has no place in a residential area that already has more than sufficient coverage, and where it would adversely affect the character of the neighborhood. Thank you for your consideration.

Yours truly,

Sharon Collier and Patrick Wildi
One Drury Lane, Oakland CA

ADDENDUM: Detailed Objections

View Obstruction and Visual Clutter, Blight

Much of the value of the affected homes is derived from our views of downtown Oakland, San Francisco, and the Golden Gate Bridge. The immediate area is a tree-lined residential neighborhood in the Claremont Hills whose look-and-feel would be adversely affected with a noticeable cell tower in our midst.

Property Devaluation

Health risks (real or perceived) plus the visual impacts negatively impact property values. Research shows home values drop 20-25% on average in cell antenna areas. One of the many studies can be found at https://ehtrust.org/cell-phone-towers-lower-property-values-documentation-research/

Unsubstantiated Coverage Claims

We absolutely dispute the applicants' premise that there is a significant gap in coverage for AT&T in the proposed area. We have asked for proof of claimed coverage gap since our first notice of this proposal and have not received any satisfactory answer. The "maps" the applicant finally produced were based on simulations that do not take this specific terrain into account. This terrain is complex and the applicant did not take site specific measurements into account when determining coverage issues. Furthermore, the maps provided don't show any actual map area beyond a graphic of a two block stretch of Drury Road around the desired location, and are inconsistently color coded, indicating intentional deception. When we questioned the applicants about criteria and timing for their coverage gap claims they simply said it was based on dropped calls, yet we have not experienced dropped calls in over five years in this location and we use our phones frequently. Many of us who are AT&T customers have tested coverage in the area extensively including streaming at peak times and did not find any location without coverage

Trojan Horse Concept

If approved at any height, once the tower would be installed, the local government would have no say in the ultimate size and volume of the tower, other than to encourage colocation, and it would certainly become larger and larger over time.

Proximity to Residences:

There are several homes within close proximity to this proposal including:

Property	Distance
1106 Besito	50'
1112 Besito	98'
11 Dartmouth	105'
1 Drury	117'

Protected Trees - Vegetation at risk, Creating Visual Blight:

The construction process would most definitely destroy the trees on site and expose us to visual clutter..

Due diligence was not properly done

There has to be a better way to identify a site sufficiently away from residences and schools. Please see response to applicant's site analysis.

Fire Zone Added Risk

In the 20th century, fourteen major fires have passed through areas of the East Bay Hills, many driven by the late summer-fall northeasterly Diablo winds. The 1991 Oakland hills fire ranks first as California's largest home loss from wildfire, with over 2000 homes destroyed, and the 1923 Berkeley Fire ranks fourth. Both fires burned into Claremont Canyon.

False and Misleading Claims

On the application and in presentation documents as well as in meetings with members of the community, we have identified numerous disingenuous statements including:
- There is a significant coverage gap in this area
- The proposal is for modification of an existing telecommunications facility
- The installation would be an extension to an existing pole in order to avoid visual clutter
- No vegetation would be harmed.

These and other statements lead us to believe that any permits that have been approved are based on false and misleading information.

Underground Utilities Throughout

After the fire, this community worked hard with The City of Oakland and various agencies to assure that utilities are underground (CPUC Rule 20) and we pay for that privilege — we do not want or need above ground services!

Our Health at Risk

As the Telecomm companies have spent billions of dollars lobbying to assure that local governments have little or no say in our health issues, according to an industry fact sheet, "DAS antennae are designed to send the vast majority of the radio frequency (RF) energy straight out from the antenna." Because of the typography of the Oakland hills, residences could receive the most intense radiation by virtue of being situated higher than the antenna.

Protected Wildlife at Risk:

Claremont Canyon is the largest relatively undeveloped canyon on the western slope of the Oakland/Berkeley Hills. This setting attracts multiple species of wildlife, including many protected species which tend to perch on lamp posts and nest in the local trees. <http://www.nhwildlife.net>



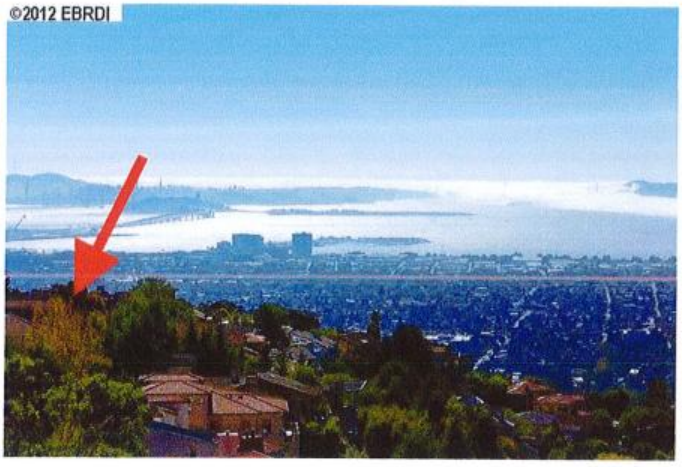
Affected Views for PLN17374 Proposal



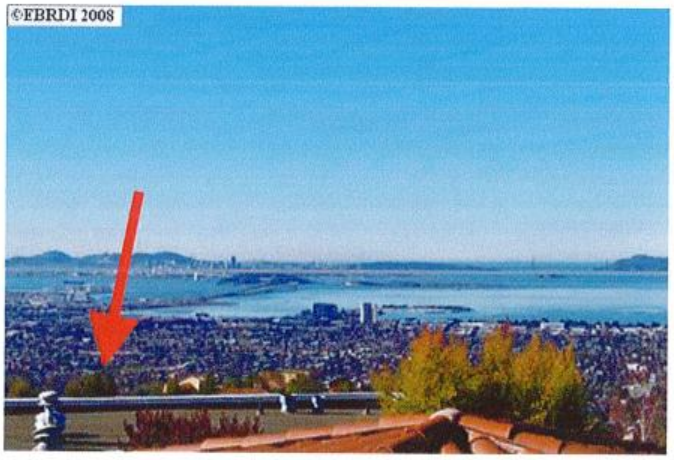
The view from 1 Drury Lane on a clear day



This was taken during AT&T testing at proposed site from 1 Drury Lane



11 Drury Lane



28 Drury Lane

Deceptive Photo Angles



This Photo was taken further up the hill!



atat

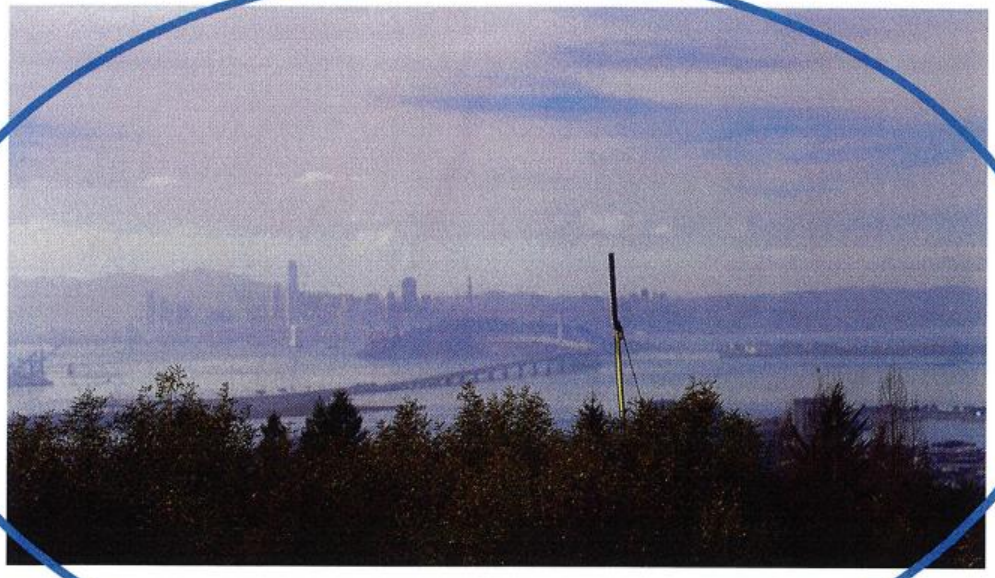
Oakhills AT&T South Network Site # OAKS

Aerial Map

1/18/18

(PROW) Besito and Drury Road
Oakland, CA

Applied Imagination 510 814-0500

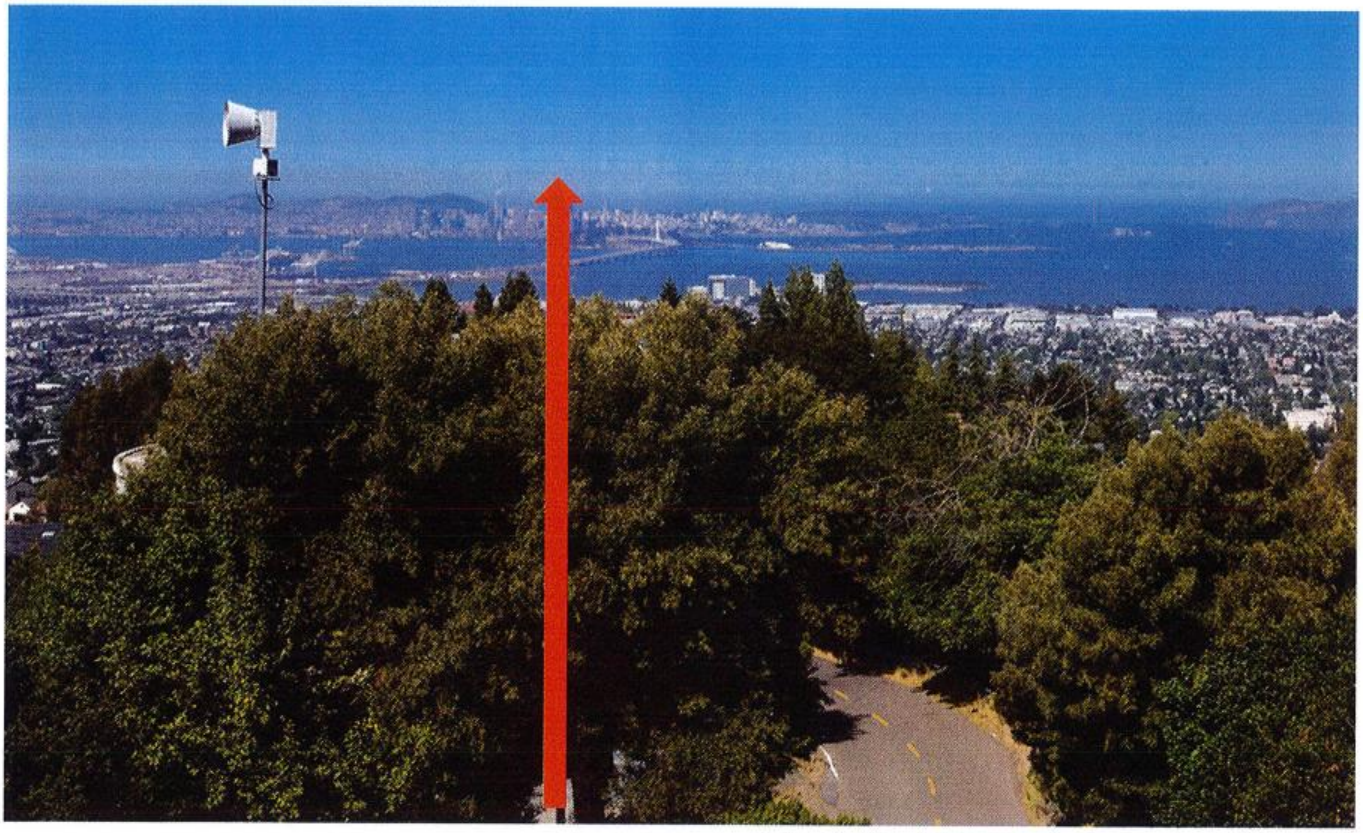


Real Impact as applicants viewed and photographed during site visit on October 25

Applicants chose to "omit" those pictures!



These mature, protected trees that are 35' high and 25 years old would be destroyed. Our viewpoint would be changed from scenic to industrial blight. We would see the speaker, the cell tower and the water reservoir!



These are signs that will be posted on DAS Monopoles. Are these shutdown procedures realistic in a Tier-3 fire threat area? We think not!



at&t

AT&T oDAS Shutdown Procedure

PROCEDURE TO DE-ENERGIZE RADIO FREQUENCY (RF) SIGNAL EMERGENCY and NON-EMERGENCY WORK REQUIRING RF SIGNAL SHUTDOWN

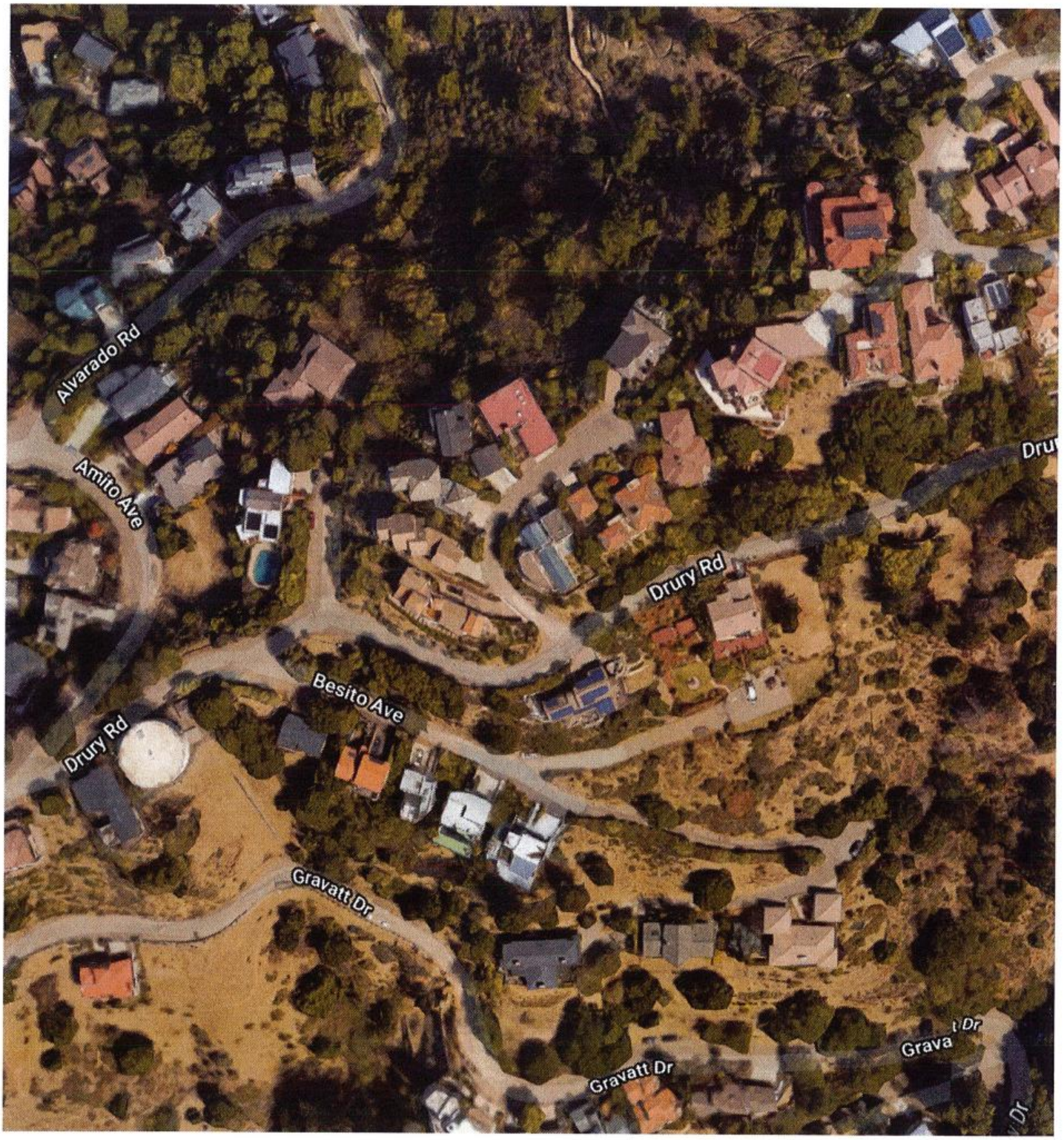
(A) PG&E personnel SHALL contact AT&T Mobility Switch Center to notify them of an emergency shutdown 800-638-2822. Dial option 9 for cell site "Related" emergency's then option 1. Provide the following information when calling or leave a voicemail:
(1) Identify yourself and give callback phone number.
(2) Site number and if applicable site name (located on the shutdown box)
(3) Site address and location
(4) Nature of emergency and site condition

(B) Pull Disconnect Handle down to the Open or "OFF" Position. The RF signal will shut down within a few seconds. A visual inspection of the interior blade will confirm that both incoming AC Lead and Battery Backup are disconnected.

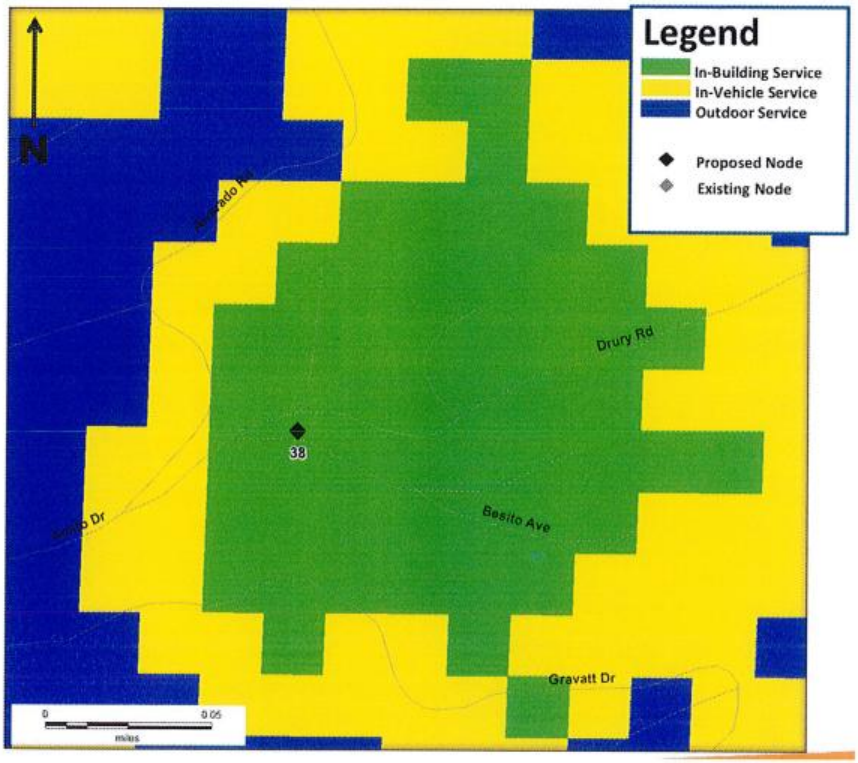
(C) Notify AT&T (New Cingular) Switch Center when the emergency work is completed.

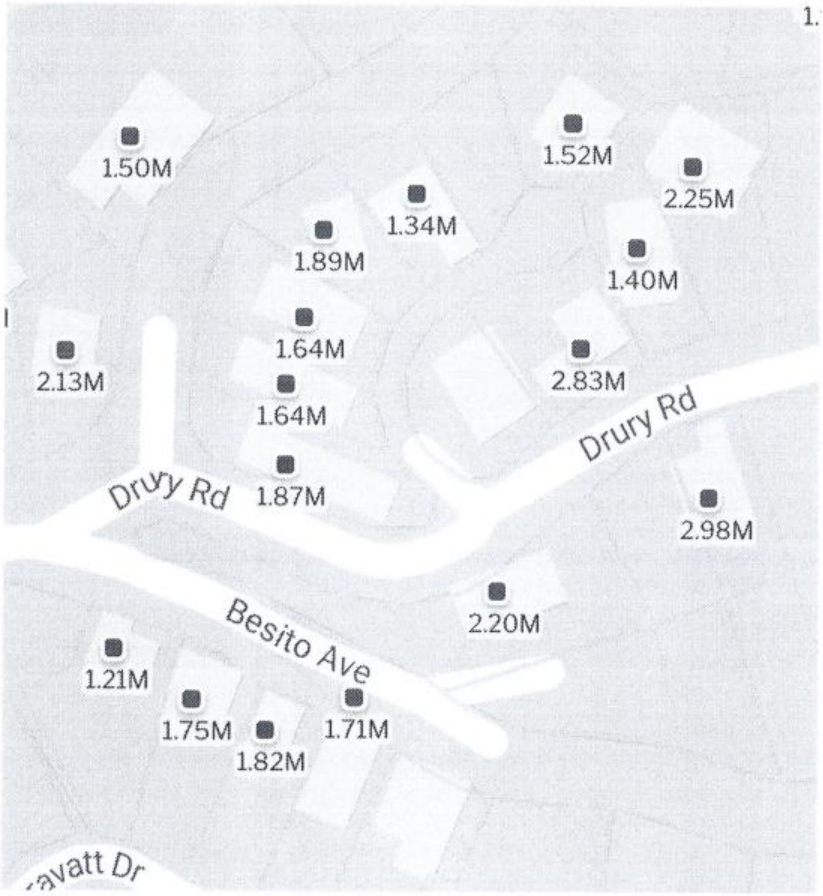
See reverse side to view photo of the "on" and "off" position.

Proposed Coverage Area
only covers ~20 Houses



Proposed Coverage Area only covers ~20 Houses





AT&T's own coverage maps shows voice and data coverage in our area (PLN17374) June 2018

AT&T Maps

Print

Search by address, ZIP Code, country, or landmark

Search

Wireless Coverage

Wireless Coverage Type

Domestic

- Voice
- Data
- AT&T PREPAID℠ Service

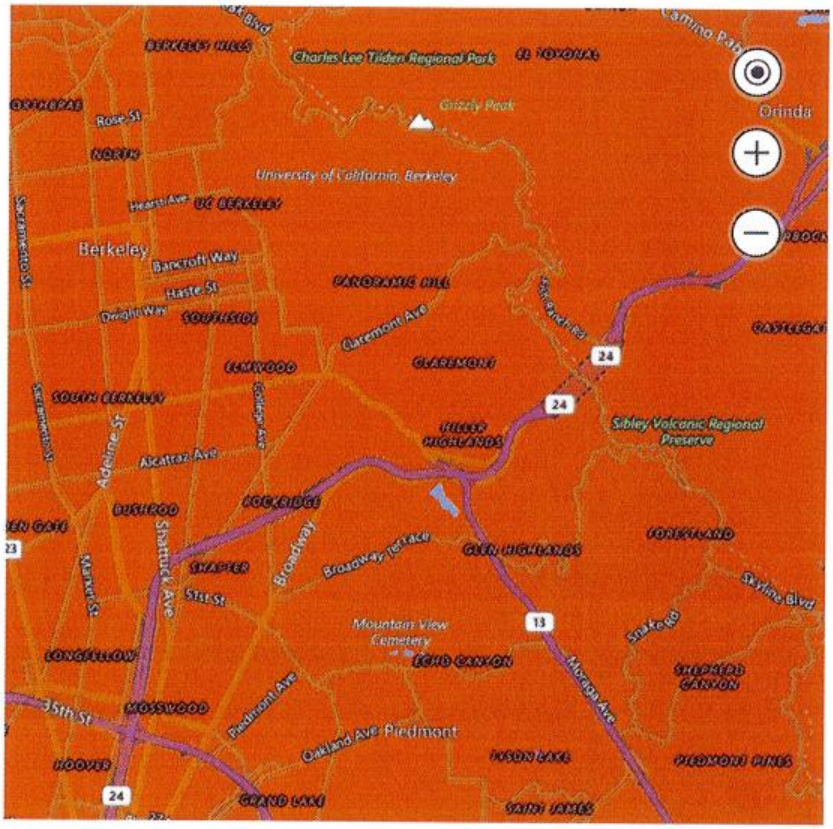
View Coverage by Device Type

- AT&T HD Voice
- Voice

Compatible device required

International

- Voice
- Data



THE CLAREMONT HILLS COMMUNITY
RESPONSE TO PLN17374 aka PLN17314 aka PLN17324

CITY OF OAKLAND PLANNING COMMISSION - PLEASE DO NOT ALLOW TELECOMM COMPANIES AND SUBCONTRACTORS TO DESTROY OUR PEACEFUL SURROUNDINGS WITH UNNECESSARY CELL TOWERS



The proposed Cell Tower is a Trojan Horse! Applications and presentations are loaded with false and misleading statements meant to deceive anyone reviewing this proposal but please don't let these tactics sway your opinion!

Enclosed, please find:

Overview of Objections (there are over 150 signatures protesting this proposal to date).

Letters from Community confirming strong opposition including aesthetic and legal reasons to deny this application with

Information proving there really is no significant coverage gap in the proposed area, which only includes 19 homes and is not likely to increase in density … please also see https://www.youtube.com/watch?v=4rfY7e007rY&feature=youtu.be

Proof of misconduct from applicants including documents showing false and misleading statements, deceptive tactics in presentations from the original permit application to present.

Aesthetic objections including visual clutter, blight, view obstruction, damage and destruction to existing protected trees

THIS IS NOT THE RIGHT PLACE FOR A CELL TOWER.
OBJECTIONS INCLUDE:

View Obstruction and Visual Clutter, Blight
Please see Affected Views page included showing nearby properties that would be subject to visual clutter.

Property Devaluation
Health risks (real or perceived) plus the visual impacts negatively impact property values.

Unsubstantiated Coverage Claims
Extensive research shows that there is no actual coverage gap in this area.

False and Misleading Claims
On Application and in Presentation documents as well as in meetings with members of the Community

Trojan Horse Concept
If approved at any height, once the tower would be installed, the local government would have no say in the ultimate size and volume of the tower, other than to encourage colocation, and it would certainly become larger and larger over time.

Protected Trees - Vegetation at risk, Creating Visual Blight:
The construction process would most definitely destroy the trees on site and expose us to visual clutter..

Tree Permit Dated October 16, 2017 was attained using false claims
Application stated that existing pole would be used, rather than a new pole requiring a substantial concrete base that would be exactly where the protected tree roots are, which would most likely be destroyed.

Due diligence was not properly done
There has to be a better way to identify a site sufficiently away from residences and schools. Please see response to applicant's site analysis.

Fire Zone Added Risk
In the 20th century, fourteen major fires have passed through areas of the East Bay Hills, many driven by the late summer-fall northeasterly Diablo winds. The 1991 Oakland hills fire ranks first as California's largest home loss from wildfire, with over 2000 homes destroyed, and the 1923 Berkeley Fire ranks fourth. Both fires burned into Claremont Canyon.

Our Health at Risk
As the Telecomm companies have spent billions of dollars lobbying to assure that local governments have little or no say in our health issues, according to an industry fact sheet, "DAS antennae are designed to send the vast majority of the radio frequency (RF) energy straight out from the antenna." Because of the typography of the Oakland hills, residences could receive the most intense radiation by virtue of being situated higher than the antenna.

Protected Wildlife at Risk:
Claremont Canyon is the largest relatively undeveloped canyon on the western slope of the Oakland/Berkeley Hills. This setting attracts multiple species of wildlife, including many protected species which tend to perch on lamp posts and nest in the local trees. <http://www.nhwildlife.net>



LEGAL ARGUMENTS INCLUDE:

Planning Commissioners are entrusted to faithfully implement the zoning regulations. The fact that the applicant merely claims, sometimes falsely, that the antennae will not be visible or that vegetation will not be disturbed is neither sufficient nor accurate.

Chapter 17.128.080.B.2. Section B.2. provides that "Monopoles should not be sited to create visual clutter or negatively affect specific views."

Chapter section 17.136.050.B.2. No adverse effect on private investments

Chapter of 17.128.030.A3 Provide separation between residential lot lines and cell towers.

Chapter 17.136.050.B.2., "... the proposed design will be of a quality and character which harmonizes with, and serves to protect the value of private and public investments in the area."

Chapter 17.128.080.B.5. requires that all on-site vegetation be preserved.
Chapter 17.128.080.A.3. (the zoning regulation) "When a monopole is in a Residential Zone or adjacent to a residential use, it must be setback from the nearest residential lot line a distance at least equal to its height."

Chapter 17.148.050 states that all of the itemized conditions must be met.
Under State legislation, SB 649, statues of 2017, cell towers are banned from neighborhood fire stations to assure employee health and safety

5/6/18

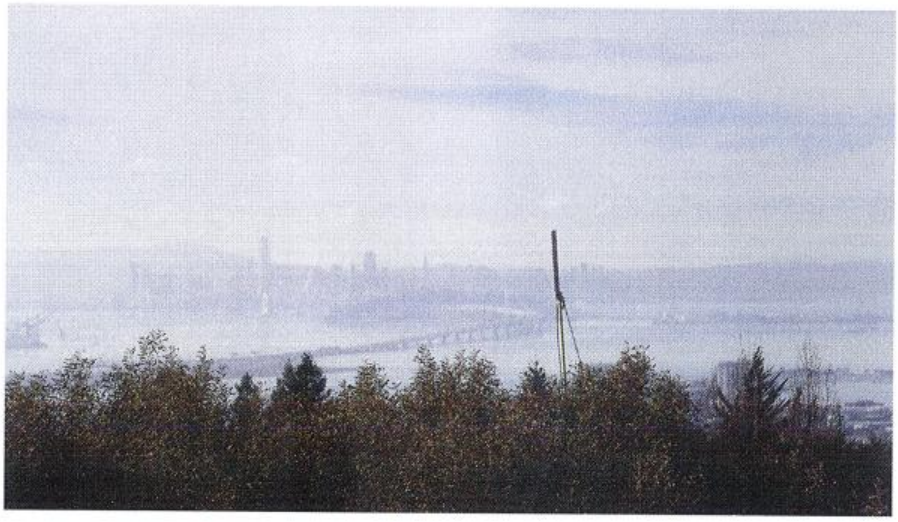
We are aware that our neighbor Lisa Applegate- Zimyani is also submitting objections on May 7, 2018; by this reference we incorporate the positions taken in Lisa's submission as though more fully set forth in our objections as here stated.

Submission on May 7, 2018 by Sharon Collier and Patrick Wildi
1 Drury Lane, Oakland, CA 94705

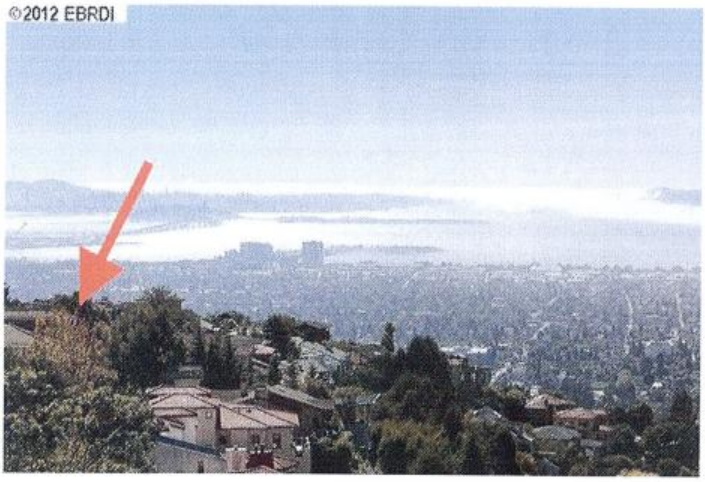
Affected Views for PLN17374 Proposal



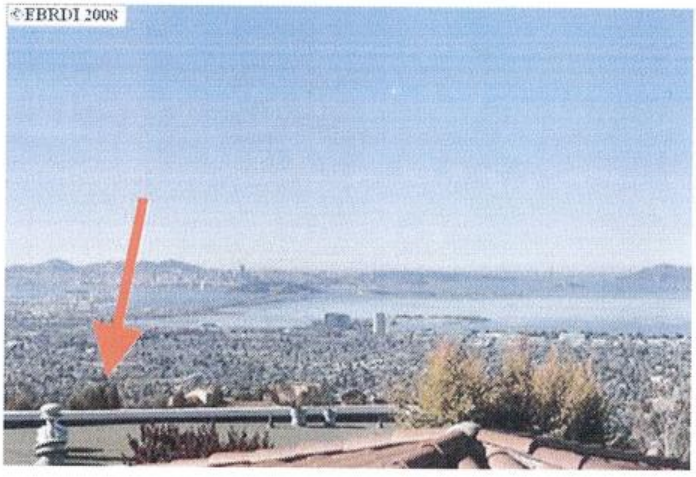
The view from 1 Drury Lane on a clear day



This was taken during AT&T testing at proposed site from 1 Drury Lane



11 Drury Lane

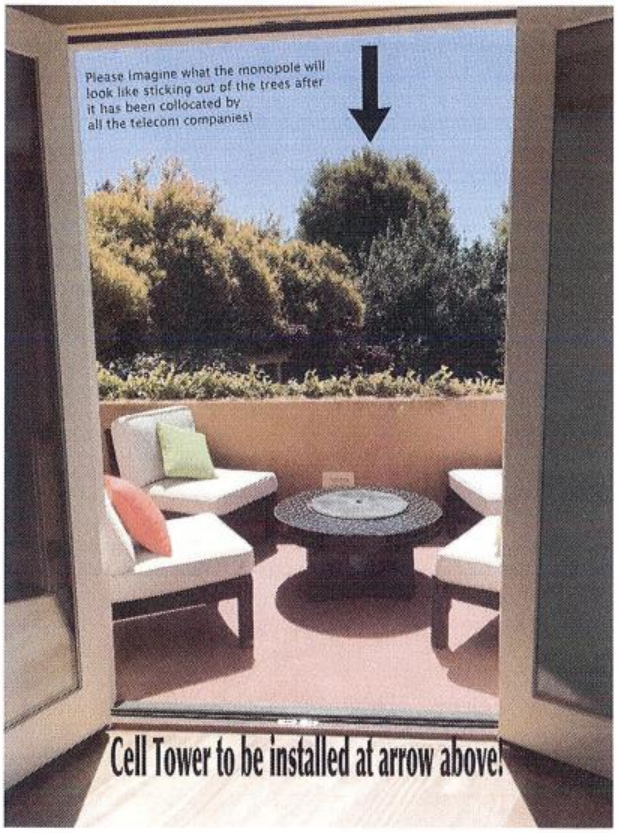


28 Drury Lane

Affected Views for PLN17374 Proposal



11 Dartmouth



11 Dartmouth



View from 10 Drury Lane

MurphyAustin
ATTORNEYS

KENT N. CALFEE
(916) 446-2300, EXT. 3031
kcalfee@murphyaustin.com

May 2, 2018

VIA E-MAIL

Chair, Adhi Nagraj
nagraiplanning@gmail.com

Vice Chair, Jahmese Myres
jmyres.oakplanningcommission@gmail.com

Commissioner, Jonathan Fearn
jfearnopc@gmail.com

Commissioner, Tom Limon
tlimon.opc@gmail.com

Commissioner, Clark Manus
cmanusopc@gmail.com

Commissioner, Amanda Monchamp
amandamonchamp@gmail.com

Commissioner, Emily Weinstein
ew.oakland@gmail.com

Planning Manager, Robert Merkamp
rmerkamp@oaklandnet.com

Planning Manager, Aubrey Rose
arose@oaklandnet.com

Re: **DAS Node OAKS-038C (Oakland Case No. PLN17374)**

Dear Chair, Adhi Nagraj; Vice Chair, Jahmese Myres; Commissioner, Jonathan Fearn; Commissioner, Tom Limon; Commissioner, Clark Manus; Commissioner, Amanda Monchamp; Commissioner, Emily Weinstein; Planning Manager, Robert Merkamp and Planning Manager, Aubrey Rose:

My wife and I own the residence located at 11 Drury Lane and I am writing this letter to oppose the proposed monopole at the corner of Drury Road and Besito Avenue. We join in the many objections raised in letters from our neighbors but take this opportunity to address some fundamental legal issues. Title 17 of the Oakland Municipal Code sets forth explicit criteria for the approval of the pending conditional use permit application and an independent set of findings to grant a variance. The applicant simply cannot meet those criteria for either the conditional use permit or variance and you as Planning Commissioners must deny the application.

Initially, I want to direct your attention to Chapter 17.128.080.B.2. which provides that,

> "Monopoles should not be sited to create visual clutter or negatively affect specific views."

My wife and I purchased our home in 2012 after considering dozens of homes. The single factor that led us to buy our home is the view. We have a view that extends from the Dumbarton Bridge to the Richmond San Rafael Bridge and continues to overlook Claremont Canyon. The only impairment to our view is the existing emergency alert speaker.

This proposed project locates an additional pole and antenna very near to the emergency speaker. The standard set forth in 17.128.080.B.2. simply cannot be met. On this point it is important to note a comment in the application: The applicant attempts to meet this standard with a patently false statement. On the form "Additional Design/Review Criteria CUP Findings" at page 3 the applicant states "the panel antennas will not be visible." That statement is not true. The view from our house, neighboring houses and from Drury Road looks right down over the proposed antenna. The required finding simply cannot be made. The antenna will "create visual clutter" and "negatively impact specific views." We believe the applicant's exhibit depicting the proposed tower is misleading. The plans and specifications submitted with the application state that the trees will be "trimmed if necessary." It is a reasonable conclusion that the trees will be topped to insure better antenna functions and that trimming will exacerbate the adverse visual impacts.

Chapter 17.128.080.B.5. requires that all on-site vegetation be preserved. The applicant simply states on the application that the

> "existing vegetation and topography will not be disturbed."

Again, the application is less than candid and the applicant cannot meet the code requirements. The project requires removal of the current light pole foundation and the installation of what has been described as a 5' x 5' x 5' concrete foundation. Two mature trees are located 33" and 42" from the existing light pole. The heavy construction equipment required to remove the existing foundation and to install the new foundation will certainly damage the roots of the existing trees. The statement that the project will not disturb these trees is conclusory and has no evidentiary support. Attached is a letter from a licensed arborist, which concludes that the trees will likely be compromised by this project. In order to approve this project you must come to the unlikely conclusion that these trees will not be disturbed.

Chapter 17.128.080.A.3. states that every monopole must be set back from adjacent residential lot lines the distance equal to the height of the pole. The applicant admits that it cannot meet this standard. The pole will be at least 35' tall and will be located 14' from the closest residential lot line. The applicant has requested a variance from this standard. However, as discussed below, the applicant cannot meet the requirements for a variance.

Also applicable to this application are the general design review standards. Chapter 17.136.050.B.2., requires you to make the following findings or deny the application.

> "... the proposed design will be of a quality and character which harmonizes with, and serves to protect the value of private and public investments in the area."

You have received substantial evidence that the cell tower will have an adverse impact on neighboring property values. Again, the project fails this test and must be denied. The applicant simply cannot establish that the project will " protect the value of private investment" as required by the law.

Finally, I will address the requested variance. You do not have carte blanche power to grant the variance. The code sets out very specific findings that must be met before a variance can be granted. The applicant cannot meet the statutory requirements and therefore, the variance and therefore the application must be denied. Chapter 17.148.050 states that all of the itemized conditions must be met. Keep in mind that the variance request relates to the code provision that prohibits this pole because it is too close to a residential lot line.

Chapter 17.148.050.A.1. requires a finding that, absent the granting of the variance, the applicant shall suffer

> "an unnecessary hardship inconsistent with the purposes of the zoning regulations."

The fundamental question is what the purpose of 17.128.080.A.3. (the zoning regulation) is.

> "When a monopole is in a Residential Zone or adjacent to a residential use, it must be setback from the nearest residential lot line a distance at least equal to its height."

The purpose of 17.128.030.A3 is clear: Provide separation between residential lot lines and cell towers. The "hardship", denial of the application, is not inconsistent with the purpose of 17.128.010.A.3. It is the application itself which violates the purpose of the regulation and therefore the variance is not permitted.

Chapter 17.148.010.A.4. states a similar required finding.

> "That the variance will not constitute a grant of special privilege...inconsistent with the purposes of the zoning regulations."

Chapter 17.128.080.A.3. quoted above, requires the proposed pole to be at least 35' from the property line and the proposed variance would place the pole 14' from the property line. The variance would clearly violate the "purpose" of the ordinance and therefore must be denied.

Chapter 17.14 has a final required finding for the grant of a variance. The standard design review requirements of 17.136.050 must be met. As discussed above, the finding

required by design review section 17.136.050.B.2., (no adverse effect on private investments), cannot be made and therefore, the variance cannot be granted.

In conclusion, you, as Planning Commissioners are entrusted to faithfully implement the zoning regulations. We submit that you cannot make the findings required to approve this application. The fact that the applicant merely claims, sometime falsely, that the antennae will not be visible, that vegetation will not be disturbed or that property values will not be effected, is neither sufficient nor accurate. You must look closely at the facts and the numerous code sections and determine whether you can make the required specific findings. The facts and the law dictate that the application be denied.

Thank you for your discernment.

Respectfully submitted,

MURPHY AUSTIN ADAMS SCHOENFELD LLP

KENT N. CALFEE

KNC/kb
Enclosure

cc: Mayor, Libby Schaaf (via e-mail officeofthemayor@oaklandnet.com)
District 1 Council Member, Dan Kalb (via e-mail dkalb@oaklandnet.com)
District 2 Council Member, Abel J. Guillen (via e-mail aguillen@oaklandnet.com)
District 3 Council President, Lynette Gibson McElhaney (via e-mail lmcelhaney@oaklandnet.com)
District 4 Council Member, Annie Campbell Washington (via e-mail awashington@oaklandnet.com)
District 5 Council Member, Noel Gallo (via email ngallo@oaklandnet.com)
District 6 Council Member, Desley Brooks (via e-mail dbrooks@oaklandnet.com)
District 7 Council Member, Larry Reid (via e-mail lreid@oaklandnet.com)
Councilmember At Large – Vice Mayor, Rebecca Kaplan (via e-mail atlarge@oaklandnet.com)
Planning Manager, Robert Merkamp (via U.S. First Class Mail)
Planning Manager, Aubrey Rose (via U.S. First Class Mail)

From: GERGELY ZIMANYI <gzimanyi@gmail.com>
To: "rmerkamp@oaklandnet.com" <rmerkamp@oaklandnet.com>; "ARose@oaklandnet.com" <ARose@oaklandnet.com>; "nagraiplanning@gmail.com" <nagraiplanning@gmail.com>; "jmyers.oaklandplanningcommission@gmail.com" <jmyers.oaklandplanningcommission@gmail.com>; "amandamonchamp@gmail.com" <amandamonchamp@gmail.com>; "EW.Oakland@gmailcom" <EW.Oakland@gmailcom>; "tlimon.opc@gmail.com" <tlimon.opc@gmail.com>; "jfearnopc@gmail.com" <jfearnopc@gmail.com>; "cmanusopc@gmail.com" <cmanusopc@gmail.com>
Cc: GERGELY ZIMANYI <gzimanyi@gmail.com>; Lisa Applegate <applegate_dance@yahoo.com>
Sent: Saturday, April 28, 2018, 2:21:19 PM PDT
Subject: Respectful protest against proposed Microwave Radiation Antenna; Re: Oakland Case No. PLN17374

Will you please place this email/letter into the Oakland public record and into the paper file for the proposed Close Proximity Microwave Radiation Antennas (CPMRA) installation at Besito and Drury Rd. in Oakland, CA, also known as DAS Node OAKS-038C (Oakland Case No. PLN17374)?

Dear Commissioners Meyers, Nagraj, Monchamp, Weinstein, Limon, Fearn, and Manus, and Planning Manager Merkamp,

I live in the immediate proximity of the proposed cell tower. I ask you to stop its deployment for at least the following reasons.

1. The tower will damage property values by hundreds of thousands of dollars: Cell towers are widely perceived as posing a health hazard. While the various professional organizations may be still debating the issue, the public's negative perception is very real. Various real estate publications estimate that a cell tower in a property's vicinity, can reduce the property's value by 10-20%. Given that homes in this neighborhood have a value around two million dollars, this is a probable loss of $200,000-$400,000 for each of us. This would be a major, direct damage to my family's economic situation, and would vaporize a large amount of money we worked very hard for.

    - https://ehtrust.org/cell-phone-towers-lower-property-values-documentation-research/

2. The high marginal tax rate about doubles this damage: This argument can be further amplified by noting that our marginal federal plus state tax rate sums to around 50%, meaning that if the tower is built, then twice the above money, $400,000-$800,000 of my past salaries gets wiped out. This means that deploying the tower would zero out my salary over several years.

3. The tower would reduce the property tax revenue of the City: Besides damaging the finances of the people who the City is supposed to represent, these towers hurt the finances of the city itself, because our damaged property values will damage and reduce the property taxes we pay to the City, upon the sale of homes. If for nothing else, please do not authorize these towers in order to avoid reducing your own property tax revenues.

4. These cell towers are used as Trojan horses by the telecoms: I read extensively about this subject, including court filings and lawsuits. The first company pushes a

small cell tower through the process. Then, via subsequent expansions without local review, allowed by Federal law, the tower is repeatedly expanded into a large, industrial-looking Monster Tower. I have seen photos of reasonable towers repeatedly expanded into large, industrial-looking Monster Towers by telecoms.

5. The tower is a visual blight: These Monster Towers will blight our beautiful neighborhood. They will be a daily visual reminder of the City giving preference to corporate interests at the expense of the interests and finances of the people it is supposed to represent.

6. The compounded radiation of co-located antennas can pose exponential health hazards: Even if the RF Microwave Radiation from an individual antenna may seem benign, the 24/7/365 RF Microwave Radiation exposure from multiple co-located antennas can result in substantial health effects.

7. There are good alternative solutions: While in densely populated city neighborhoods moving a tower is a zero-sum game, and ends up hurting somebody unavoidably, this is not the case here. We live in a sparsely populated neighborhood. There are many points on these slopes where the road is along steep terrains or covered by a grove, and thus there are no houses around. The planning commission can avoid hurting the population and damaging its finances, while satisfying the needs of the telecoms.

8. Please apply the Golden Rule: Would you wish to open your own bedroom window every single morning to stare at a close to 40 feet microwave radiation tower about 30 feet from your fence, and wonder, every single morning, about the long-term health effects of the radiation exposure that is going through your own body at that very moment. Well, if you did not like this feeling, then please do not impose this on us either.

All in all, there are many compelling reasons not to place the tower at the planned location, while alternative solutions are available with no worse technical specs.

I am asking the Planning Commission: please do not hurt our health, our finances, and our neighborhood.

Respectfully

Gergely Zimanyi, Ph.D.
Professor of Physics, University of California
Director of Intellectual Property for two medical device companies

PATRICK D WILDI

1 Drury Ln, Oakland, CA 94705 | patrick@wildi.com

April 30, 2018

To: Robert Merkamp rmerkamp@oaklandnet.com,
Aubrey Rose ARose@oaklandnet.com,
Adhi Nagraj nagraiplanning@gmail.com,
Amanda Monchamp amandamonchamp@gmail.com,
Emilry Weinstein EW.Oakland@gmail.com,
Tom Limon tlimon.opc@gmail.com,
Jonathan Fearn jfearnopc@gmail.com,
Clark Manus cmanusopc@gmail.com,
Libby Schaaf officeofthemayor@oaklandnet.com

Re: DAS Node OAKS-038C (Oakland Case No. PLN17374)

Dear Oakland Planning Commission, Dear Planning Manager, Dear Mayor,

I write you this letter to voice my opposition to the Cell Tower proposed by AT&T and its subcontractors at Drury Rd. and Besito Rd. in the Claremont Canyon neighborhood. Please place this letter in the public record and the paper file for the above-mentioned application.

Starting last October, we became aware of the effort by AT&T and its subcontractors to place a DAS monopole antenna system to replace the existing light pole at said location. The communication by the applicants and the paperwork received by the city has been very confusing and, in my opinion, intentionally misleading by using different case numbers, wrong locations, misleading visuals and false claims that the existing pole would be used.

The antennas would directly impact our view of San Francisco and the Bay. We bought this house mainly for it's great vistas and cherish them and enjoy them from most rooms. The proposed antenna would be an eye sore from multiple rooms as well as our terrace. The proposed height has not been fully clarified, but the antenna appears to protrude out of a set of two trees. The current light pole is very close to the trunks of those trees and any foundation for the cell tower would very likely kill them and leave us with an even worse eye sore. In addition, those trees in the public right-of-way would not be maintained by AT&T nor the City of Oakland. Finding arborists willing to work in close proximity to the cell antennas would be very difficult.

I am aware that the proposed RF microwave radiation exposures are projected to be below federal guidelines. But the close proximity to our house and multiple reputable studies showing increased brain tumors from RF microwave radiation exposures far below these FCC guidelines, make me very aware of the hazards linked to the level of radiation to which we would be exposed. The height of the antenna and the orientation of the antennas could change at any time — without public review — and could direct the main beam of the

radiation directly into our living quarters and into the home offices where we work daily as telecommuters.

Also, it is important to note that in 2015 California law (Assembly Bill 57) established an exemption for placing cell towers are on Fire stations — studies showed brain abnormalities in firefighters exposed to cell tower radiation (e.g. http://www.electrosmogprevention.org/cell-phone-safety-campaign/federal-cell-tower-roll-out-you-can-take-action/). Please help to protect us and the other residents by making any finding necessary to get AT&T to employ less intrusive means (cell towers at least 1,500 feet from any homes) to close any alleged AT&T significant gap in coverage. Please see the following:

- http://www.emrpolicy.org/science/research/index.htm
- http://www.iaff.org/HS/Resi/CellTowerFinal.htm,
- https://parentsact.weebly.com/fact-sheet.html
- http://www.saferemr.com/2015/04/cell-tower-health-effects.html

Both the visual blight of the cell tower and the hazard of RF microwave radiation exposures will greatly affect our home value. We paid dearly for this house for it's great vistas and the natural setting. It would be in the interest of the city and county to minimize impacts on the real estate values and associated tax revenue. Please see https://ehtrust.org/cell-phone-towers-lower-property-values-documentation-research/

Most of all, I dispute the applicants' premise that there is a significant gap in coverage for AT&T in the proposed area. I and others have tested coverage in the area extensively and could not find any location without coverage. The map showing no coverage is not accurate and must be based on faulty parameters.

Also, the area that is covered by the proposed cell tower (according to the documents provided by AT&T subcontractors is a very small area, covering only approximately 19 houses. I can't imagine a business case that would make it worthwhile for AT&T to only cover 19 houses that already have sufficient coverage. This leads me to expect that this proposed facility is merely a Trojan horse to eventually expand this site and to install others in the neighborhood, creating a much larger and more powerful grid of CPMRA installations, as is happening in other communities in California.

Please join in with other municipalities o protect citizens from unnecessary, 24/7/365 RF microwave radiation exposures and to protect both the residential character of our neighborhood and our treasured vistas! (http://www.electrosmogprevention.org/public-health-alert/cell-towers-health-alerts/actions-taken-re-cell-towers/).

Sincerely,

P. Wildi

Patrick D Wildi

March 30, 2018

Aubrey Rose, AICP
Planner III
Bureau of Planning
City of Oakland Planning and Building Department
250 Frank H. Ogawa Plaza, Suite 2114
Oakland, CA 94612-2032

Darren Chan, AT&T
Charles Lindsay, Extenet
Ana Gomez-Abarca, Black & Veatch

Re: Case File Number PLN17314 and PLN17374 – DAS 038C
Proposed Monopole Cell Tower in Claremont Hills residential area

This letter is in response to the latest communications <via email from Ana Gomez-Abarca, Black & Veatch on March 7, 2018> regarding AT&T's proposed action to install a Monopole Telecommunications Facility within our residential zone, which is in close proximity to lot 048H-7613-011-01 (1138 Drury Road) at the intersection of Drury Road, Besito and Dartmouth in The Claremont Hills section of Oakland. Impacted residents of Drury Lane, Drury Road, Dartmouth and Besito have been informed of the installation specifications and have numerous objections to the proposed installation.

While we appreciate the concept that AT&T and subcontractors seem willing to consider mitigating the impact of this proposed monopole cell tower by lowering the original proposed height by almost 4' to approximately 35'(+/-) high, we still have numerous issues including the fact that this is still view obstruction and we still object! There is also the issue of propinquity to residences; this cell tower would be located at an intersection of several streets in the Claremont Hills where there is extensive foot traffic, plus it is across the street from a house with a two month old child as well as directly across from another property with a swimming pool where children of all ages play. We have a number of households with children living and/or frequently visiting in the immediate vicinity. Studies by the World Health Organization of children exposed to radiation from cell antenna installations have shown serious health hazards, including appreciable increases in rates of asthma, autism, ADHD, and a number of other ailments. Although the Telecommunications Act of 1996 doesn't allow a municipality to prohibit the location of cell towers based on adverse health effects, people's fears about the presence of electromagnetic signals will drive down home values. Research shows home values drop 20% on average in cell antenna and tower areas.

Ironically, we are still wondering if the coverage claims are even valid or current. Those of us that have AT&T service are finding that our service has been adequate or better, and have tested using our phones throughout the area without disruption! *We have asked on numerous occasions, in person and in writing, how and when the coverage criteria was determined.* The only related response we have received is a 'coverage map' dated March 2, 2018 that shows a very small area with about 16 residences and does not address criteria or timing.

Of primary concern is that the proposed installation does not take into consideration Oakland's Aesthetic Standards for Telecommunication Facilities in the Right-of-Way and will greatly affect our panoramic views, and subsequently impact surrounding property values. In reviewing the documents sent to us on March 7, 2018 we found several inaccuracies and false statements that are misleading. For example, in the document labeled '038C Sims.pdf' there are photos showing the proposed location with a photo of the view looking out towards Oakland that is marked as taken from "location 2". Actually, the photo shows "location 2" as it was taken from a house at a higher elevation than other houses in the vicinity. Meanwhile, photos that were taken at that same time from the property at the base of Drury Lane showing obstruction of panoramic San Francisco views were completely omitted. We are including a photo here of actual view obstruction that was taken from one of the lower windows at Drury Lane when AT&T performed some unannounced testing on December 1, 2017.



Regarding tree maintenance, we do not feel that this issue has been adequately considered. We have commented on multiple occasions that if this tower were to be erected, the landscape company that we and our neighbors have jointly worked with for many years to trim the line of trees along the property adjacent to this proposal, has absolutely refused to trim any tree(s) with or near a cell tower through them, which would cause further view obstruction. Despite a small side note in the documentation stating that "existing trees to be trimmed as necessary" - we are concerned that these trees which are a vital part of the neighborhood aesthetics will not be properly maintained and this adds to our concerns. There are also contradictory issues of tree height clearance.

We have further issues and disputes with documents provided in that comments seem contrived and self serving, as well as including various inaccuracies especially within the document labeled 'ATT DAS OAKS-038C Alternative Site Analysis 010918.pdf' ...

Issues/Concerns/Code Violations include:

Proposed installation violates City of Oakland Code # 17.128 to obstruct views

Chapter 17.128 Telecommunications Regulations stipulates under .025 (Restrictions on Telecommunication Facilities) any telecommunications facility shall not be permitted within one hundred feet of any residential zone and any monopole telecommunications facility within 300 feet of any residential zone except upon granting of a major conditional use permit. Furthermore, any telecommunications facility whose antennas and equipment are not fully concealed from view shall be permitted within 300 feet of a residential zone except upon granting of a major conditional use permit.

The intent for this regulation on Monopoles is they should be designed as to be screened from the public and not sited to create visual clutter or negatively affect specific views. Wireless communication towers shall be integrated through location and design to blend in with the existing characteristics of the site and preserve the existing character of the surrounding area. The application presentation includes photos that were taken significantly above the proposed tower at that do not accurately take into account any of the many views that would be affected by this tower. These photographs do not fairly show how the proposed installation would appear from the most impacted residents' homes. Much of the value of the respective homes is derived from our views of downtown Oakland, San Francisco, and the Golden Gate Bridge – the immediate area is a tree-lined residential neighborhood in the Claremont Hills whose look-and-feel would be adversely affected with a noticeable cell tower in our midst.

Health and Safety Concerns

Per A-4 in recent documents provided, there will be a warning label posted on a monopole cell tower such as this that states "CAUTION: On this tower: Radio frequency fields near some antennas may exceed FCC rules for human exposure"!! Would you want this close to your home and telecommute location?? This would be an unmanned tower that would require physical shutoff in an emergency. The required protocol of PG&E contacting the AT&T Mobility Switch Center, followed by the ensuing relay of someone attempting to actually reach this site in a timely manner during a crisis is cause for major concern.

There are many current concerns regarding monopole cell towers creating a risk to public health because of the possible dangers of radiation and electromagnetic frequencies emitted. More than 180 scientists and doctors have signed a declaration calling for a moratorium on the increase of cell antennas required for 5G deployment, "as we are concerned about the health effects including neurological impacts, infertility, and cancer." A brain scan study by a Los Angeles neurotoxicologist of a group of firefighters who lived and slept inside a station near a cell tower for five years. The study found brain abnormalities in all the men

tested, including delayed reaction time, lack of impulse control and cognitive impairment. Also some of the undersigned have become electro-sensitive since installation of so-called "smart" meters in our homes and neighborhood which resulted in neighborhood residents experiencing nosebleeds, heart palpitations, nausea, dizziness, and migraine headaches. Those of us already adversely affected do not welcome additional environmental EMF / electrosmog insults on our short-term and long-term health. Even perceived health concerns from the radiation will affect property values aversely.

Proposed dimensions of the Monopole Telecommunications Facility

The proposed dimensions of such structure are not only contrary to the proposal, but would become a focal point of our views. This structure would alter the look-and-feel of our tree-lined neighborhood. In essence, the installation with its proposed dimensions would become the focal point of all the residents' views (see attached photographs). Colocation is another issue of major concern. Once a cell tower is erected by one carrier, other carriers may also utilize the same installation to strengthen their coverage. Our goal here is to avoid having to look upon a tower loaded with telecom equipment in our view line that would undoubtedly spoil the views that we treasure as residents of Claremont Hills.

Resulting infractions of the Aesthetic Standards Amendment

We have carefully reviewed the Aesthetic Standards Amendment and have noted the infractions related to this particular proposal. Primarily, the over-arching guideline to *"foster an aesthetically pleasing urban environment…preventing visual blight…"* is being completely disregarded and absolutely not being followed as this Cell Tower directly impacts the residents' views. This is reiterated in Section II G7 under site selection guidelines, *"above ground facilities should not be placed at any location where they will be in a direct line of sight of a significant or sensitive view corridor, would adversely affect a scenic vista."*

Maintenance Trucks – Traffic and Parking, Lack of Privacy

Cell antenna towers require maintenance that may be performed at any time of day or night. We will see a number AT&T service personnel able to look directly into our homes when we otherwise believe we have privacy. Construction trucks at this very busy intersection will be an additional unnecessary public nuisance as well as a traffic hazard. Furthermore, the proposed location is only 5' from a property line and heavy trucks have already been spotted parking on this property without permission, causing damage to the landscape.

Endangering protected species

Wildlife including owls and hawks constantly perch on street lamps including the one in question and may be harmed by the radio frequency fields. Exposure to EMR field is shown to evoke diverse responses varying from aversive behavioral responses to developmental anomalies and mortality in many of the studied groups of animals including these species.

Dubious practices by AT&T and subcontractors – violation of permit procedure

Construction for this project was started prior to any Planning Commission hearing and prior to any permit approval. Neighbors reported that a full work crew of approximately 10-12 people were onsite on 10/12/2017 (photos were taken) at the designated location with cones, wires, and a large drill, frantically working before a concerned neighbor reported the work to the City Planning department. Within minutes of that report, the crew suddenly halted their work and left the site; however, evidence remained of the crews' work such as utility markings, a large hole in the ground and some wiring that is apparently new. Also on 10/5/17 a crew was seen working at the same area with cones and construction equipment.

Constituents rely on their elected representatives to protect us from negative impacts such as view obstruction, visual blight, reduced property values, loss of privacy, health risks, noise and fire safety risks that directly affect the local community. We are requesting that AT&T and subcontractors immediately cease & desist from this proposed construction. Thank you for your consideration as well as your attention to this matter.

Signed,

Residents of the Claremont Hills area

Sharon Collier SHARON COLLIER

date 3/30/2018 address One Drury Ln, Oakland

PATRICK WILDI

date 3-31-2018 address One Drury Ln, Oakland

Richard Hall RICHARD HALL

date 4-4-2018 address 17 DRURY LANE OAKLAND

Angela Hall ANGELA HALL

date 4/4/18 address 17 DRURY LANE OAKLAND

Lisa Applegate-Zimanyi
date 4-2-18 address 11 Dartmouth Dr Berkeley

Micha/ McGinn
date 4/2/18 address 1106 Besito AVE

Deborah McGinn
date 4/2/18 address 1106 Besito Ave

Eduardo Guam
date 04/02 address Berkeley

Cary Anzai
date 04/02/18 address 1112 Besito Ave, CA Berkeley

Chloe Anzai
date 4/2/18 address 1112 Besito Ave. Berkeley, CA

Leslie kodama@yahoo.com
date 4.02.18 address 1092 Amito Dr. Berkeley, CA 94705

STEVEN KODAMA SKODAMA@KODAMADISENI.COM
date 4/2/18 address 1092 AMITO DR BERKELEY, CA 94705

Cory Levenberg
date 4/2/18 address 1096 Amito Drive, Berkeley CA 94705

Gergely T. Zimanyi
date 4/2/18 address 11 Dartmouth Dr, Berkeley CA 94705

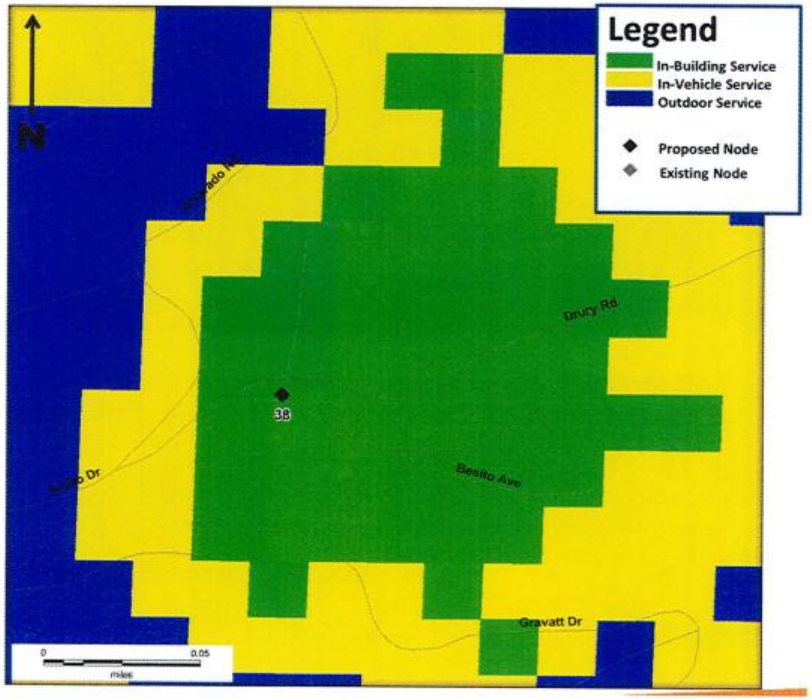
Brittany Dean
date 4/2/18 address 25 Dartmouth Dr, Berkeley, CA 94705

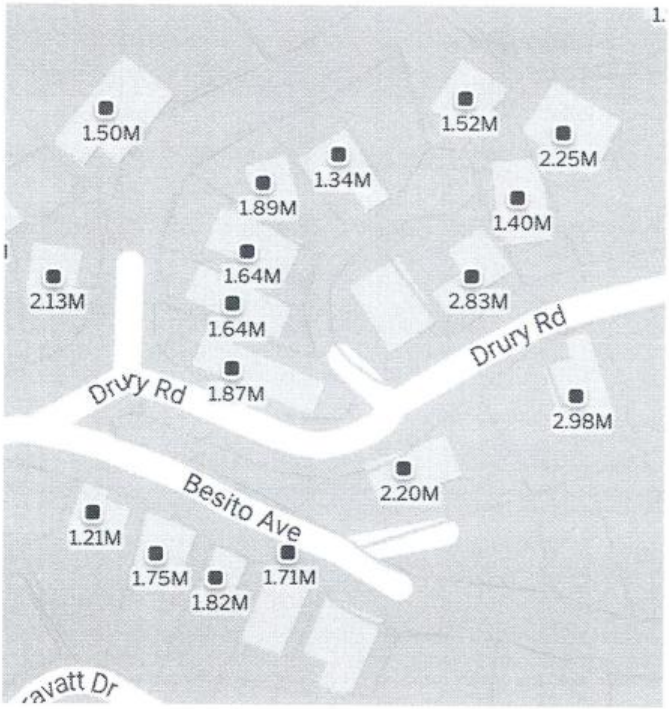
MISREPRESENTATION AND FALSE AND MISLEADING STATEMENTS AND PRESENTATIONS BY CONTRACTORS, SUBCONTRACTORS AND LOBBYIST(S) TO AT&T PLN17374 aka 17314 aka PLN17372

- **We submit** that contractors, subcontractors, and other representatives to AT&T made several false and misleading statements and representations including visual references that have been inaccurate and misleading in their interest in pursuing the location adjacent to 1138 Drury Road, Oakland for PLN 17374 aka PLN 17314 aka PLN17372.
- **The area that AT&T proposes to service with this application was described as Industrial.** This is a residential neighborhood which happens to be one of the most coveted areas in Oakland, where there are tree lined streets, wildlife including protected species <http://www.nhwildlife.net> and many of the best views in the Bay Area from essentially every house, including the entire San Francisco skyline, Oakland skyline, five bridges, the SF bay, the Pacific ocean to the Farallon Islands, and Mt. Tamalpais. According to Zillow median house prices are $1,486,488 (as of April 24 2018)
- **"Coverage Gap" was never defined! Neighbors in this area do not need or want a cell tower, as coverage is more than adequate.** Those of us that have AT&T service have been testing our phones as we did not have any dropped calls – the various coverage tests performed since September 2017 all came through without any dropped lines. Please see this recent video https://www.youtube.com/watch?v=4rfY7eoo7rY&feature=youtu.be We have asked on multiple occasions including at community meetings on October 25, 2017 and on April 9, 2018 and in email on December 1, 2017, February 15, 2018 and other dates what the criteria is, and the only response we received is "FCC guidelines". When we asked about details and timing they could not or would not answer.

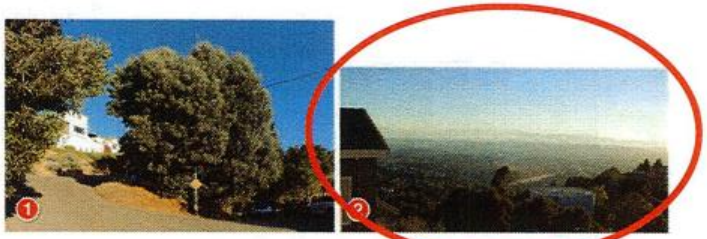
- **There are only 19 houses in the questionable "coverage map"** that was finally provided (though is found to be questionable) on March 7, 2018, which leads us to further believe that this location was chosen simply for convenience in installation. Documents regarding coverage area included here.
- **Photos were included that showed the proposed cell tower from an angle that did not include any views** in all proposal documents despite the fact that a representative to AT&T subcontractors was allowed into our homes and took photos of the view obstruction concern areas! Photos shown were angled towards the sky omitting views, and also from areas where the view obstruction was minimal, ignoring the photos that were most damaging to this proposal. (example shown)
- **STALLING TACTICS/False Promises Were Made:** We voiced our objections strongly to all parties from the beginning, and were told several times in October (by Marilu Garcia, then case planner for City of Oakland) that AT&T had been told this location was not appropriate and that they should review other alternatives. During a community meeting on October 25, 2017 residents (including Sharon Collier, Patrick Wildi, Richard Hall) of the neighborhood asked to have information on when and how coverage was determined, as well as what the actual coverage area was in order for us to help identify alternate sites that might be appropriate as we did not see a coverage need at all! WE WERE TOLD BY DAREN CHAN of AT&T, ANA GOMEZ of Black & Veatch for ExteNet, other representatives for AT&T as well as MARILU GARCIA, Case Planner for The City of Oakland, that these documents would be provided, not immediately but in a timely manner.
- **MORE STALLING TACTICS:** For several months we did not hear anything at all (despite reminder to Marilu Gomez on October 26 2017 as well as email to Daren Chan of AT&T, Ana Gomez, Charles Lindsay and others on December 1, 2017 when we discovered workers at the proposed site, and further emails and requests since then, most documented via email until February 14, when Ana Gomez, who had ignored all of our requests, sent an email that their analysis was complete!??! (email thread printed out with this info). We questioned this and did not receive any response. We followed up with everyone we had been in contact with, with no reply and then made phone calls, and finally on March received an email from Daren Chan of AT&T apologizing and stating that we should receive documents within the week. When we finally did receive the documents almost two weeks later from Ana Gomez of Black & Veatch/ExteNet, we found several false and misleading representations within them including photo presentation of the views and neighborhood, plus many false statements in the Alternative DAS Node Oaks-038B statement. **A few examples are included here:**

Proposed Coverage Area only covers 19 Houses

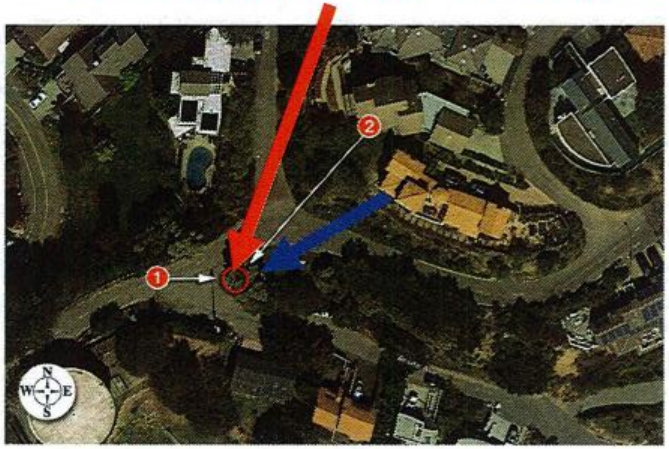




Deceptive Photo Angles



This Photo was taken further up the hill!



at&t
1/18/18
Oakhills AT&T South Network Site # OAKS
(PROW) Besito and Drury Road
Oakland, CA
Aerial Map



Real Impact as applicants viewed and photographed during site visit on October 25
Applicants chose to "omit" those pictures!

Self-serving and Deceptive Analysis

Alternative DAS Node OAKS-038B

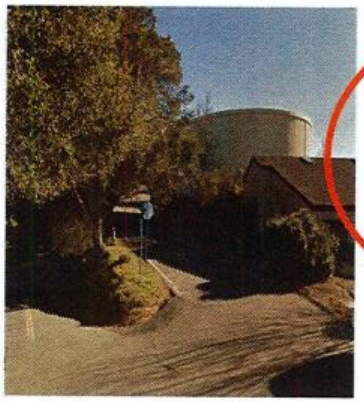


- Node Oaks-038B is a metal light pole located adjacent to PROW 1213 Drury Road (37.861249, -122.231099)
- This pole is not a viable alternative because the signal will be blocked by the terrain.
- This pole is not a viable alternative because the location of the pole is too far from the primary candidate to address the service cell coverage gap.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

The address is incorrect: 1213 Drury Rd vs 1138 Drury Rd
Supposedly too far, but just other side of same property as "primary candidate
No "blocking terrain" between the two candidates

Alternative DAS Node OAKS-038J



- Node Oaks-038J is a raw land plot in the PROW at the intersection of Amito Avenue and Drury Road (37.860987, -122.232834)
- This candidate is not a viable alternative because a new metal pole would need to be placed at this location thus making it more intrusive than the proposed primary candidate.
- This candidate is not a viable alternative because the location is too far from the primary candidate to address the service cell coverage gap.
- This candidate is not a viable alternative because the location is at a lower elevation than the primary candidate and will require a much taller and intrusive pole to address the service cell coverage gap.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

There is a working light pole at this location!
Despite application verbiage they would replace pole at any location
This is less than one block from the "primary candidate" and definitel
Within the propose coverage area

Deceptive Analysis, part 2

Alternative DAS Node OAKS-038L

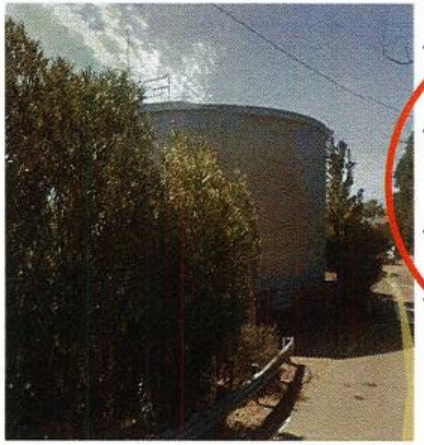


- Node Oaks-038L is a metal pole located adjacent to PROW 1076 Amito Avenue (37.861164, -122.232076)
- This pole is not viable because it does not adequately address the service coverage gap.
- This pole is not a viable alternate because it will need to be replaced by a taller and more intrusive metal pole.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

Again, we disagree that there is a coverage gap in this area.
Furthermore, as this directly across the street from the "primary candidate" and this claim was true, the "primary Candidate" would also not adequately address the service gap!
Any location chosen would need to be replaced by a taller and More intrusive metal pole, which would be come even taller and more intrusive over time as more equipment is piled on

Alternative DAS Node OAKS-038M



- Node Oaks-038M is a raw land plot at a water tank property adjacent to 1076 Amito Avenue (37.860998, -122.232262)
- This candidate is not a viable alternative because a new metal pole would need to be placed at this location thus making it more intrusive than the proposed primary candidate.
- This candidate is not a viable alternative because the location is at a lower elevation than the primary candidate and will require a much taller and intrusive pole to address the service cell coverage gap.
- This candidate is not a viable alternative because the location is too far from the primary candidate to address the service cell coverage gap.
- This location is not a viable alternative because the signal will be blocked by the terrain.

© 2015 AT&T Intellectual Property. All rights reserved. AT&T and the AT&T logo are trademarks of AT&T Intellectual Property.

The location is directly across the street from the "primary candidate" with almost no elevation change
We still disagree that there is a coverage gap in this are
If there was one and this one does not address it, then one across the street would not either

Limb King
2974 Adeline St
Berkeley CA 94703
(510) 725-8310
Limbking.com

TREE ASSESSMENT – ACACIA MELANOXYLON (2)
CONSTRUCTION PROXIMITY
(Drury Rd at Besito Ave, Berkeley)

Summary. An auxiliary cell phone tower installation is proposed at the intersection of Drury Rd and Besito Ave in Berkeley. According to the plans the new tower will excavate around an existing signpost and pour a new [5' x 5'] concrete slab to anchor the new pole. Two Acacia trees directly uphill are directly in the construction area, and will likely be adversely affected by the construction.

Pic 1. Build area (Drury Rd./Besito Ave.):



Description. Generally Acacia melanoxylon trees are well adapted to the local Berkeley climate, with high disease resistance unless heavily stressed (due to over-pruning or other environmental factors). While the two Acacia's in question might survive the soil disturbance from the proposed construction, earth moving will lessen soil structural integrity, and roots will most likely need to be cut or exposed to air and construction debris. Changes in finished grade and slope will affect runoff and erosion.

Pic 2. Trees from uphill (from Drury Rd)



Environment. The Acacias are healthy, providing a natural aesthetic and habitat to the surrounding neighborhood. There are no signs of disease. The trees provide environmental services for the benefit and enjoyment of the surrounding community. In addition, certain studies have shown evidence suggesting long-term exposure to RF radiation emitted from cell phones and towers can disrupt biological function (of both trees and animals, including humans). Adverse effects are not always immediately apparent.

Conclusion. The proposed cell tower construction project will likely adversely affect two nearby Acacia trees, via soil and root disturbance, as well as additional exposure to RF radiation due to proximity and duration of exposure to the antenna. This added stress, in addition to the construction activity, may lead to accelerated tree decline, soil and/or root failure, and reduce their overall useful life in the urban interface.

Signed,
Kingman Lim
Lead Arborist, Limb King
ISA Cert#: WC 8250A
Contractors License No: 983464

Springer

April 22, 2018

Dear Mrs. Lisa Zimanyi:

Thank you for contacting me about your concerns over the installation of a wireless telecommunications facility ("Node Oakes-038C") to be located in the public right-of-way adjacent to 1138 Drury Road Drive, Oakland, CA 94705. It is my opinion that the trees immediately adjacent to the new pole will be sacrificed in the process of constructing the new cellular tower.

While my professional engineering license is a Mechanical discipline, I have 17 years of experience with industrial projects involving civil, structural, mechanical and electrical construction. A number of documents have been presented depicting the construction of the wireless telecommunications pole to be installed. The pole will be installed into a high seismic area and no geotechnical or foundation details have been provided.

Therefore, it is assumed that two strategies are available to anchor the new telecommunications pole:

1) Battered Helical Piers *(Detail 1)*
2) Single Micropile *(Detail 2)*

Additional disturbances to the area include:

1) Crane to lift in new pole
2) Trenching for fiber optic
3) Trenching for power, if the overhead power lines are reconfigured.

Photos from the location depict trees that appear to be at least 5" in diameter. Referencing ANSI 60.1 – American Standard for Nursery Stock, the root ball of a 5" diameter tree is expected to be at least 27" from the center of the tree. Regardless of the method used to anchor the new wireless pole, the root ball of at least one tree is in harms way during the construction process.

Typical construction practice is to remove live flora and fauna in the immediate vicinity of an excavation, especially those that could present a risk of future litigation. This appears to be confirmed by Permit #T17-129, in which (2) Black Acacia trees have been approved for removal.

The lack of geotechnical reports and civil construction details makes it difficult to determine the precise impact to the nearby trees. However, the ability to install a new telecommunications pole without causing harm to the existing trees is extremely questionable.

Sincerely,

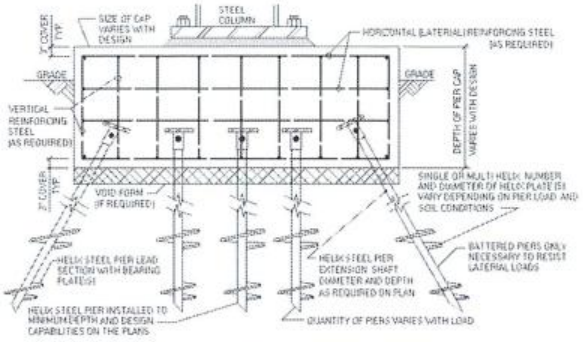
Andrew Springer, PE
Consulting Engineer
Washington State License #46516

References:

1) 038C Sims.pdf (Pages 1-3)
2) DAS Node Oaks-038C_ATT OAKHILLS Design RF Justification Letter_singed (1).pdf (Pages 1-6)
3) OAKS-038C_Rev 1 CDs 1.10.18 (2).pdf (Page 1)
4) OAKS-038C_Rev 1 CDs 1.10.18.pdf (Pages 1-7)
5) Tree Permit Removal Permit #T17-129 (Pages 1-4)

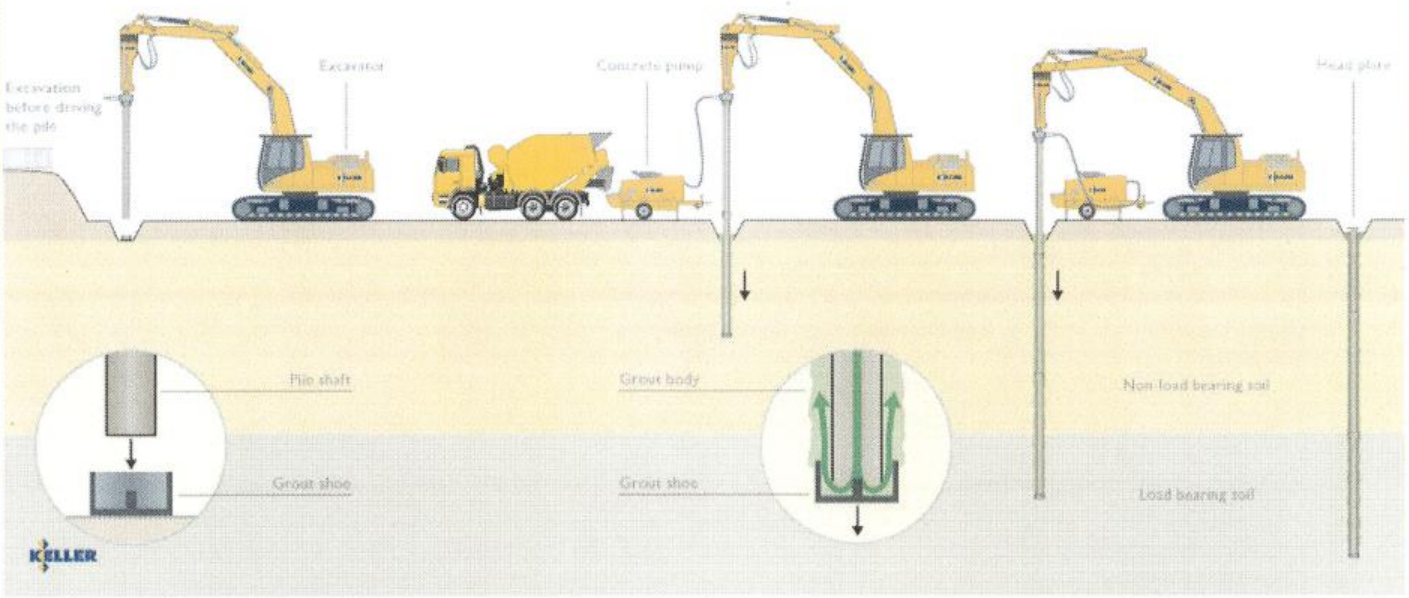
Detail 1 – Example of Battered Helical Piers





PIER CAP - CLUSTER OF STEEL PIERS

Detail 2 – Example of Micropiles



Rose, Aubrey

From: Rom Portwood <rom.portwood@yahoo.com>
Sent: Saturday, June 30, 2018 3:44 PM
To: Rose, Aubrey
Subject: Item 2 on the Consent Agenda of the Planning Commission July 11, 2018 Meeting

Aubrey Rose AICP

This is written to present a comment on the above item which has been continued from meeting to meeting since last Fall. The item concerns an application for a conditional use permit allowing the installation of a new "small cell site" Monopole antenna on the top of an existing City light pole.

Several months ago I received a letter from a self-appointed "neighborhood group" encouraging me to join them in opposing such installations. They represented in that letter that there were no cell phone dead or weak signal zones in our neighborhood and thus additional antennas were not needed. The neighborhood is the hill area immediately above the Claremont Hotel which overlooks Claremont Canyon to the North. That representation is not completely true. I, for one, have never been contacted by any representative of that "group" to ask about my cell phone reception, leading me to doubt the factual basis for making that assertion. The portion of the radio spectrum used by cellular phones requires line-of-sight for best reception.

I have been a resident at 25 Drury Lane since October of 1963. Drury Lane is a cul-du-sac street with just nine homes rebuilt after the Firestorm of 1991. My late wife and I lost our home, rebuilt and moved back in in October of 1996. My home is only about 200 feet from the proposed new Monopole antenna at 1138 Drury Road. I have always experienced inconsistent cell phone signal strength at my home, including

many dropped calls over the years. Verizon became so bad that I switched to AT&T several years ago, from which I receive better, but still sometimes spotty service, even with a new smart phone.

I would very much welcome the improved service that this new nearby unobtrusive antenna promises to provide. It is my hope that this item will finally be acted upon and approved by the Planning Commission after having been continued for so many months.

If you have any questions, I may be reached at 510-843-2123. I trust you will share my views with the Members of the Commission

Thank you,

Romulus Portwood