

Location:	City street light pole in public right-of-way adjacent to: 5821 Pinewood Road
Assessor's Parcel Numbers:	Adjacent to: 048G-7409-013-01
Proposal:	To install new "small cell site" Monopole Wireless Communications Facility to improve services by placing two panel antennae (60.1" high, 14.8" wide and 6.7" deep) at the top of a replaced City Street light pole located in the public Right-of-Way. The existing light pole is 26' and the new pole would be 36'. The antennae would be up to 36'-10" in height and related equipment mounted at a height of 8' and 12' above ground-level.
Applicant / Phone Number:	Ana Gomez/Black & Veatch & Extenet (for: AT&T) (913) 458-9148
Owner:	City of Oakland
Case File Number:	PLN17373
Planning Permits Required:	Major Conditional Use Permit and Design Review with additional findings for Monopole Telecommunications Facility on the public right-of-way in a residential zone
General Plan:	Hillside Residential
Zoning:	Hillside Residential – 4 Zone (RH-4)
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:	NHP
City Council District:	1
Date Filed:	September 18, 2017
Action to be Taken:	Decision based on staff report
Finality of Decision:	<i>Appealable to City Council within 10 days</i>
For Further Information:	Contact case planner Marilu Garcia at (510) 238-5217 or mgarcia2@oaklandnet.com

SUMMARY

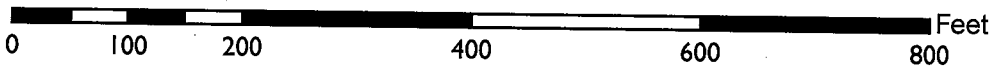
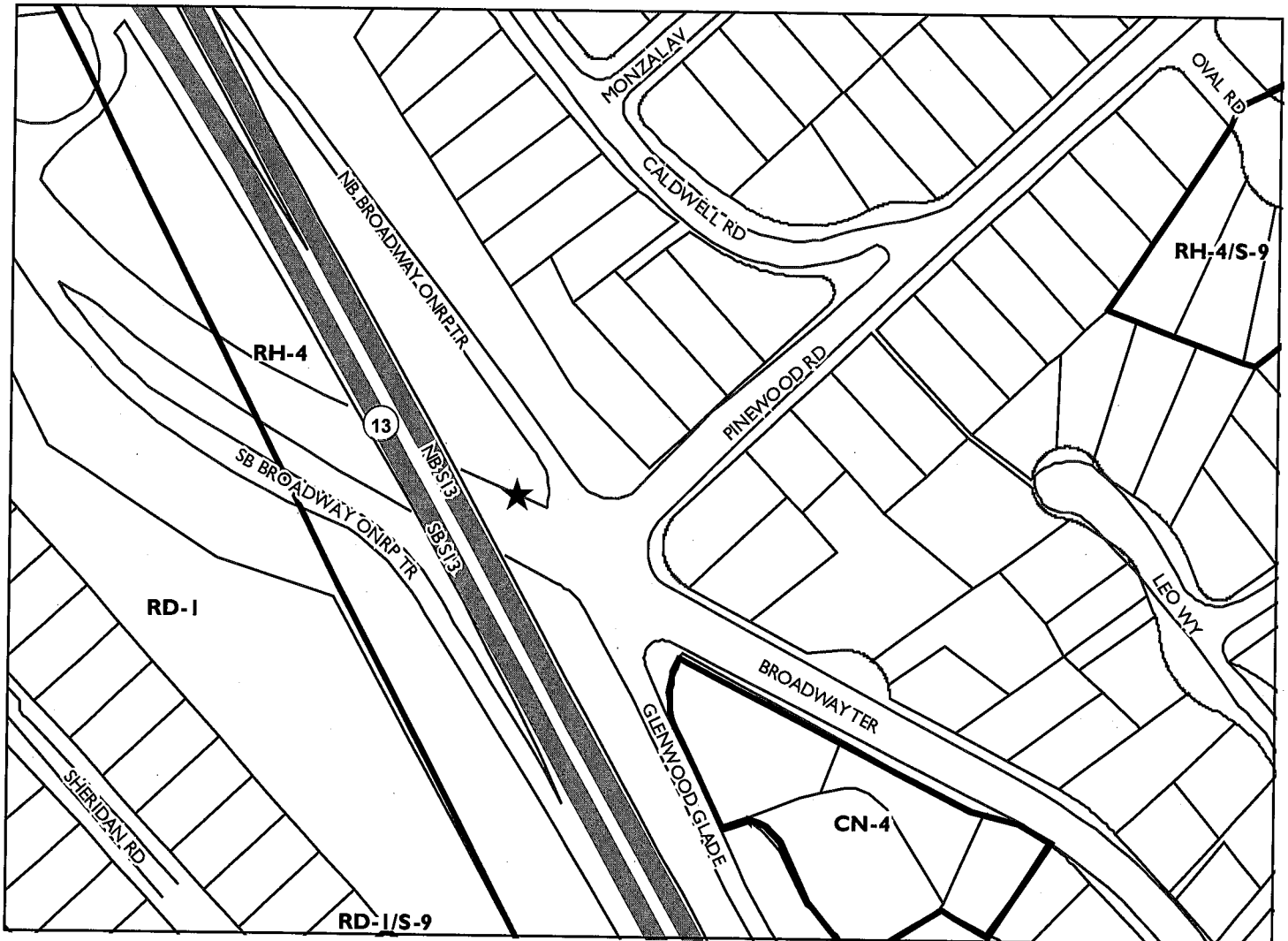
The applicant requests Planning Commission approval of a Major Conditional Use Permit and a Regular Design Review to establish a Monopole Telecommunications Facility ("small cell site"). The purpose is to enhance existing wireless services. The project involves attaching an antenna and equipment to an existing City street light pole located in the public right-of-way in a residential neighborhood.

Staff recommends approval, subject to conditions, as described in this report.

BACKGROUND

For several years in the City of Oakland, telecommunications carriers have proposed facility installation within the public right-of-way, instead of private property. These facilities typically consist of antennas and associated equipment attached to utility poles or street light poles. Poles are often replaced with replicas for technical purposes. The main purpose is to enhance existing service, given increasing technological demands for bandwidth, through new technology and locational advantages. The City

CITY OF OAKLAND PLANNING COMMISSION



Case File: PLN17373

Applicant: Ana Gomez/Black & Veatch & Extenet (for: AT&T)

Address: City Street light pole in public right-of-way (sidewalk) close to:
5821 Pinewood Road (Intersecting Broadway Terrace)

Zone: RH-4

exercises zoning jurisdiction over such projects in response to a 2009 State Supreme Court case decision (*Sprint v. Palos Verdes Estates*). Pursuant to the Planning Code, utility or joint pole authority (JPA) sites are classified by staff as "Macro Facilities," and street light pole sites (lamps, not traffic signals) as "Monopole Facilities." For JPA poles, only Design Review approval may be required, as opposed to Design Review and a Conditional Use Permit, for example. For non-JPA pole sites, such as City light poles, projects also require review by the City's Public Works Agency (PWA) and Real Estate Division, and involve other considerations such as impacts to historical poles. The PWA may also review projects involving street lights. In either case, the practice has been to refer all such projects to the Planning Commission for decision when located in or near a residential zone.

Several projects for new DAS (distributed antenna services) facilities have come before the Planning Commission for a decision and have been installed throughout the Oakland Hills. Some applications have been denied due to view obstructions or propinquity to residences. Improved practices for the processing of all types of sites incorporating Planning Commission direction have been developed as a result. Conditions of approval typically attach requirements such as painting and texturing of approved components to more closely match utility poles in appearance. Approvals do not apply to any replacement project should the poles be removed for any reason. As with sites located on private property, the Federal Government precludes cities from denying an application on the basis of emissions concerns if a satisfactory emissions report is submitted. More recent Federal changes have streamlined the process to service existing facilities.

Currently, telecommunications carriers are in the process of attempting to deploy "small cell sites." These projects also involve attachment of antennas and equipment at public right-of-way facilities such as poles or lights for further enhancement of services. However, components are now somewhat smaller in size than in the past. Also, sites tend to be located in flatland neighborhoods and Downtown where view obstructions are less likely to be an issue. Good design and placement is given full consideration nonetheless, especially with the greater presence of historic structures in Downtown. Additionally, given the sheer multitude of applications, and, out of consideration for Federal requirements for permit processing timelines, staff may develop alternatives to traditional staffing and agendizing.

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 Communication 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.

Main division website:

<https://www.fcc.gov/general/competition-infrastructure-policy-division-wireless-telecommunications-bureau>

Tower siting:

<https://www.fcc.gov/general/tower-and-antenna-siting>

SITE DESCRIPTION

The project site consists of an existing non-decorative City street light pole located in the public right-of-way (sidewalk) that measures 26’ in height with a lamp extending over the street at up to 27’-11”. The light pole is across 5821 Pinewood Road, which is the closest property with an address, and near the intersection at Broadway Terrace. The pole is located immediately west of the State Route 13 Northbound Freeway entrance. The closest residential property, located across from the Freeway entrance, is approximately 110’ to the east. The pole is not situated in front of windows or living spaces. The neighborhood consists of detached single-family homes.

PROJECT DESCRIPTION

The proposal is to establish a Monopole Telecommunications Facility (“small cell site”). The project involves the following:

- Replace existing 26’ tall City Street light pole with a 36’ pole;
- Install two panel antennae measuring 60” high, 14.8” wide and 6.7” deep on the top of the pole up to 36’-10” in height;
- Install an equipment shroud measuring 8’ long, 2’ wide and 2’ deep on the side of the pole at a height of 12’;

- Install one switch box measuring 9.6" tall, 7.25" wide 2.8" deep and a meter socket measuring 2' tall, 12" wide and 4.8" deep on the pole at a height of 8' above ground, and
- Paint the proposed antennas and associated equipment to match the pole and/or other utilities located on the pole.

GENERAL PLAN ANALYSIS

The site is located in a 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 sizes range from approximately 8,000 square feet to one acre in size."* Given increasing reliance upon cellular service for phone and internet, the proposal for a Monopole Telecommunications Facility that is not adjacent to a primary living space or historic structure conforms to this intent.

Staff therefore finds the proposal, as conditioned, to conform to the General Plan.

ZONING ANALYSIS

The site is located within the Hillside Residential Zone (RH-4). The intent of the RH-4 Zone is: *"to create, maintain, and enhance areas for single-family dwellings on lots of six thousand five hundred (6,500) to eight thousand (8,000) square feet and is typically appropriate in already developed areas of the Oakland Hills."* Per OMC section 17.136.040 and 17.128.080, Monopole Telecommunications Facilities on City street light poles require a Conditional Use Permit and a Regular Design Review with additional findings.

Section 17.134.020 (3)(e) indicates that a Major Conditional Use Permit is required when a Monopole Telecommunications Facility is in, or within, 300 feet of the boundary of any residential zone or HBX zone. This proposal is in a residential zone. Section 17.128.080 (A)(3) also 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". The proposal meets the setback distance requirement.

Additionally, new wireless telecommunications facilities may also be subject to a Site Alternatives Analysis, Site Design Alternatives Analysis, and 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 increased 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 historic structure conforms to this intent.

Staff finds the proposal, as conditioned, to conform to the Planning Code.

ENVIRONMENTAL DETERMINATION

The California Environmental Quality Act (CEQA) Guidelines categorically exempts specific types of projects from environmental review. Section 15301 exempts projects involving 'Existing Facilities'; Section 15302 exempts projects involving 'Replacement or Reconstruction'; and, Section 15303 exempts projects involving 'Construction of Small Structures.' The proposal fits all of these descriptions. The project is also subject to Section 15183 for 'Projects consistent with a community plan, general plan or zoning.' The project is therefore exempt from further Environmental Review.

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.

A. General Development Standards for 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 replacing an existing City of Oakland metal street light pole for the wireless communication facility that would be available for future collocation purposes as practicable.

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, equipment would be closely mounted on the side of the metal pole.

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.

The existing City light pole is in a residential zone but not immediately adjacent to a residential use. The proposed antenna would be placed on top of the light pole at a maximum height of 36'-10" and would not create a view obstruction from any nearby windows or living spaces.

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).

The facility would not exceed the height of 36'-10".

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 36'-10".

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 the described zoning districts. Nonetheless, the facility would not exceed the height of 36'-10".

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 F).

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

The proposed antenna would not be more 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 E).

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 E).

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.

In the analysis prepared by Hammett & Edison, Inc. (Attachment F), the proposed project was evaluated for compliance with appropriate guidelines limiting human exposure to radio frequency electromagnetic fields. According to the report, the project will comply with the prevailing standards for limiting public exposure to radio frequency energy, and therefore, the proposed site will operate within the current acceptable thresholds as established by the Federal government or any such agency that may be subsequently authorized to establish such standards. The RF emissions report, states that the proposed project will not cause a significant impact on the environment. Additionally, staff recommends that, prior to the final building permit sign off, the applicant submit a certified RF emissions report stating that the facility is operating within acceptable thresholds established by the regulatory federal agency.

Analysis

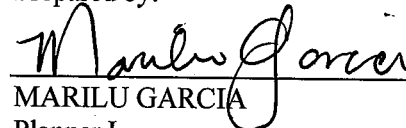
The proposed site design would not be situated on an historic or decorative pole or structure, would not create a view obstruction, and would not negatively impact a view from a primary living space such as a living room or bedroom window. The proposal would provide an essential telecommunication service to the community and the City of Oakland at large. It would also be available to emergency services such as police, fire department and emergency response teams. 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 pole in appearance for camouflaging.

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

RECOMMENDATIONS:

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


Prepared by:


MARILU GARCIA
Planner I

Reviewed by:


SCOTT MILLER
Zoning Manager

Approved for forwarding to the
City Planning Commission


DARIN RANELLETTI, Deputy Director
Planning Bureau

ATTACHMENTS:

- A. Findings
- B. Conditions of Approval
- C. Plans
- D. Applicant's Photo-Simulations
- E. Site Alternatives Analysis/Site Design Alternatives Analysis
- F. RF Emissions Report by Hammett & Edison, Inc.
- G. CPUC Compliance Letter
- H. Applicant's Proof of Public Notification Posting

ATTACHMENT A: FINDINGS

This proposal meets the required findings under General Use Permit Criteria (OMC Section 17.134.050); Conditional Use Permit Criteria for Monopole Facilities (OMC Section 17.128.080 (C)), Regular Design Review Criteria for Nonresidential Facilities (OMC Sec. 17.136.050(B)) and Telecommunications Regulations/Design Review Criteria for Monopole Telecommunications Facilities (OMC Sec. 17.128.080(B)) 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 SECTION 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 involves the placement of a Monopole Wireless Communication Facility in a residential zone. Specifically, it will provide for two new antennae to the upper portion of a replaced City light pole located in the public right-of-way. The antennae and equipment are to be camouflaged and match the metal pole. The replaced pole is proposed to be taller than the existing pole to avoid interference between surrounding structures and vegetation. The proposal is intended to improve wireless services in the neighborhood.

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 intent is to place a Monopole Facility in a residential zone but not immediately adjacent to a residential use to improve wireless services in the area. The inclusion of camouflaging paint will lessen the impacts of the proposed facility.

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 placement of the proposed monopole facility will provide wireless communication services in the neighborhood.

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 project is consistent with the following Objectives of the Oakland General Plan's Land Use & Transportation Element (adopted 1998):

Civic and Institutional Uses, Objective N2: Encourage adequate civic, institutional, and educational facilities located within Oakland, appropriately designed and sited to serve the community.

Infrastructure, Objective N12: Provide adequate infrastructure to meet the needs of Oakland's growing community.

The proposal to expand a wireless telecommunications facility will not create functional issues for the area and the project possesses a satisfactory emissions report.

CONDITIONAL USE PERMIT CRITERIA FOR MONOPOLE FACILITIES (OMC SEC. 17.128.080(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.

The request is part of proposed small cell network. This network consists of a series of radio access nodes connected to small telecommunications antennas that distribute wireless communication signals. Monopoles within the network may be located within one-thousand five-hundred feet. The applicant has submitted documentation to demonstrate that this arrangement is technologically required and/or visually preferable to a minimum distance separation. (Attachment F)

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

The Monopole Facility will not alter or disrupt the current overall character of the community as it will be attached to a City Street light pole, will not create a view obstruction and will be painted and texturized to match the pole in appearance.

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.

An independent expert review may be requested by the specified parties. No expert review has been requested as of now.

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

1. That the proposal will help achieve or maintain a group of facilities which are well related to one another and which, when taken together, will result in a well-composed design, with consideration given to site, landscape, bulk, height, arrangement, texture, materials, colors, and appurtenances; the

relation of these factors to other facilities in the vicinity; and the relation of the proposal to the total setting as seen from key points in the surrounding area. Only elements of design which have some significant relationship to outside appearance shall be considered, except as otherwise provided in Section 17.136.060;

The attachment of two antennae and equipment to a non-historic City light pole, painted and texturized to match the pole in appearance for camouflaging, will be the least intrusive design. The antenna will be placed on top of the pole and will have no projection over the streets. The facility will not adversely affect and detract from the characteristics of the neighborhood.

2. That 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;

The proposal will not create a view obstruction, be directly adjacent to a primary living space such as a living room or bedroom window, or be located on an historic structure. Improving wireless services in this area will enable better response from emergency services such as police, fire department and emergency response teams.

3. 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

The site is located in a 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 sizes range from approximately 8,000 square feet to one acre in size."* Given residents and visitors' increasing reliance upon cellular service for phone and internet, the proposal for a Monopole Telecommunications Facility that is not adjacent to a primary living space or historic structure conforms to this intent.

TELECOMMUNICATIONS REGULATIONS/DESIGN REVIEW CRITERIA FOR MONOPOLE TELECOMMUNICATIONS FACILITIES (OMC SEC. 17.128.080(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 in City street light pole where it will not create clutter or negatively affect specific views. The closest residence approximately 110' in distance.

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

The Monopole Facility will be camouflaged and placed as an attachment to an existing light pole. The antenna and equipment will be texturized to match the pole in appearance. The antenna will be placed on top of the City light pole and will have not projection over the sidewalk or street.

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 would 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 in a City Street Light pole. 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. There is no impact on existing vegetation or topography as this is an existing City light pole. No trees are proposed to be removed.

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 be 8'

ATTACHMENT B: CONDITIONS OF APPROVAL

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 **dated June 29, 2017 and submitted September 18, 2017**, as amended by the following conditions of approval and mitigation measures, if applicable (“Conditions of Approval” or “Conditions”).

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

Attachment C



OAKHILLS AT&T SOUTH NETWORK OAKS-045B

CAL-TRANS RIGHT-OF-WAY
BROADWAY TERRACE UNDERPASS AT HWY. 13
OAKLAND, CA 94611



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 1103B.

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 NORTHEAST ON BISHOP DR TOWARD SUNSET DR 256 FT
2. TURN RIGHT ONTO SUNSET DR 0.1 MI
3. USE THE MIDDLE LANE TO TURN RIGHT ONTO BOLLINGER CANYON RD 0.3 MI
4. USE THE RIGHT LANE TO MERGE ONTO I-680 S VIA THE RAMP TO SAN JOSE 0.3 MI
5. MERGE ONTO I-680 S 4.2 MI
6. TAKE EXIT 30A TO MERGE ONTO I-580 W TOWARD DUBLIN/OAKLAND 10.1 MI
7. KEEP RIGHT AT THE FORK TO STAY ON I-580 W, FOLLOW SIGNS FOR OAKLAND/SAN FRANCISCO 8.3 MI
8. KEEP RIGHT AT THE FORK TO CONTINUE ON CA-13 N/WARREN FWY, FOLLOW SIGNS FOR BERKELEY 4.8 MI
9. TAKE EXIT 5A TOWARD BROADWAY TERRACE 295 FT
10. CONTINUE ONTO GLENWOOD GLADE (SIGNS FOR TEMESCAL) 0.2 MI
11. TURN LEFT ONTO BROADWAY TERRACE
12. DESTINATION WILL BE ON THE RIGHT 125 FT

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	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@extenetsystems.com

CONSTRUCTION MANAGER:

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

PROJECT INFORMATION

SITE ADDRESS: CALTRANS R-O-W AT HIGHWAY 13
BROADWAY TERRACE UNDERPASS
OAKLAND, CA 94611

APN: CAL-TRANS RIGHT-OF-WAY

PROPERTY OWNER: CAL-TRANS RIGHT-OF-WAY

LATITUDE: 37° 50' 29.64" N (NAD 83)

LONGITUDE: 122° 13' 27.46" W (NAD 83)

GROUND ELEVATION: ±477.6' AMSL
(AT BASE OF STEEL LIGHT POLE)

HEIGHT OF STRUCTURE: ±27.0' AGL (AT TOP OF STREET LIGHT POLE)

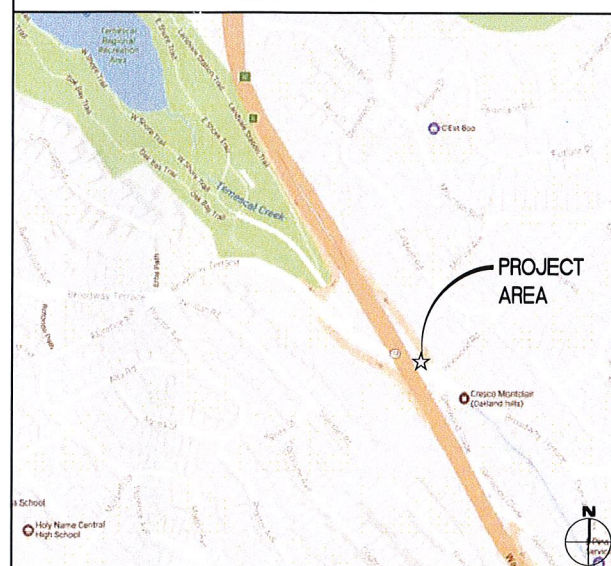
TYPE OF CONSTRUCTION: ATTACHMENTS TO A NEW STEEL POLE

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: _____



5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

**OAKHILLS AT&T
SOUTH NETWORK
OAKS-045B**
CAL-TRANS RIGHT-OF-WAY
BROADWAY TERRACE UNDERPASS AT HWY. 13
OAKLAND, CA 94611

CURRENT ISSUE DATE:

06/29/17

ISSUED FOR:

**100% CONSTRUCTION
DRAWING**

REV.: DATE: DESCRIPTION: BY:

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.:

JP JBM SAS

LICENSER:



DATE SIGNED: 06/29/17

SHEET TITLE:

**TITLE SHEET,
SITE INFORMATION
AND VICINITY MAP**

SHEET NUMBER:

T-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
	TELEPHONE CONDUIT
	ELECTRICAL CONDUIT
	COAXIAL CABLE
	OVERHEAD SERVICE CONDUCTORS
	CHAIN LINK FENCING

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
BTBW.	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	DENY
DBL.	DOUBLE
DEPT.	DEPARTMENT
D.F.	DOUGLAS FIR
DIA.	DIAMETER
DIAG.	DIAGONAL
DM.	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.	GLUE LAMINATED BEAM
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.(#)	LAG BOLT(S)
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
WT.	CENTERLINE
Ø	PLATE, PROPERTY LINE

ABBREVIATIONS

WIND LOADING INFORMATION	
ANTENNA/WOOD ARM AREA TOTAL	1.83 SQ FT.
TOP GRADE	37'-4"
BOTTOM GRADE	33'-2"
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	20'/3'	4/6	1/2"
BETA	140°	KATHREIN 840-10525			
GAMMA					

LEGEND 1

LOADING AND ANTENNA CABLE SCHEDULES 3

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 PICTURED 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 DISCREPANCIES 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.



5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

**OAKHILLS AT&T
SOUTH NETWORK
OAKS-045B**
CAL-TRANS RIGHT-OF-WAY
BROADWAY TERRACE UNDERPASS AT HWY. 13
OAKLAND, CA 94611

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:



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.:

JP	JBM	SAS
----	-----	-----

LICENSER:



DATE SIGNED: 06/29/17

SHEET TITLE:

**GENERAL NOTES,
LEGEND AND
ABBREVIATIONS**

SHEET NUMBER:

T-2




5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:
**OAKHILLS AT&T
SOUTH NETWORK
OAKS-045B**
CAL-TRANS RIGHT-OF-WAY
BROADWAY TERRACE UNDERPASS AT HWY. 13
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PLANS PREPARED BY:

 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: JP CHK.: JBM APV.: SAS

LICENSER:

 DATE SIGNED: 06/29/17

SHEET TITLE:
**POWER & RF SAFETY
PROTOCOLS**

SHEET NUMBER:
T-3



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.

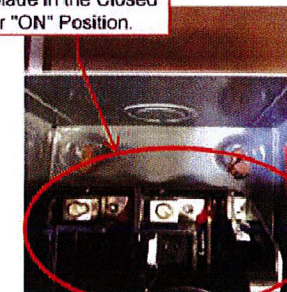
FRONT



Switch in the Closed Position ("ON")



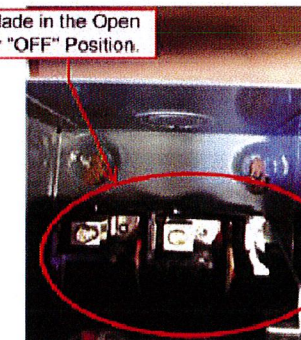
Blade in the Closed or "ON" Position.



Switch in the Open Position ("Off")



Blade in the Open or "OFF" Position.

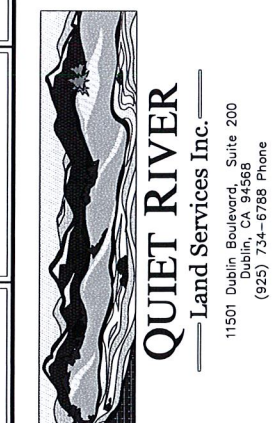
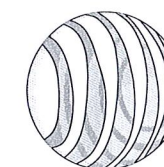


BACK

REVISIONS

DATE	DESCRIPTION	INITIAL
12/20/16	100% COMPLETE	MAS

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

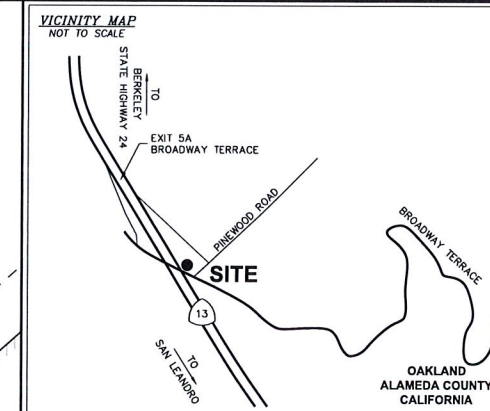


EXISTING SITE CONDITIONS

OAKS-045B
 CAL-TRANS RIGHT-OF-WAY
 BROADWAY TERRACE
 UNDERPASS AT HWY. 13
 OAKLAND, CA 94611

C1

OF 1 SHEET



PROPERTY INFORMATION
 Owner: CAL-TRANS RIGHT-OF-WAY
 Address:
 Site: OAKS-045B
 Address: CALTRANS R-O-W AT HIGHWAY 13 BROADWAY TERRACE UNDERPASS OAKLAND, CA 94611
 Assessor's Parcel Number: CAL-TRANS RIGHT-OF-WAY
 Height of Building/Tower: 27.0'± A.G.L. TOP OF (E) 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 OAKLAND, COUNTY OF ALAMEDA, STATE OF CALIFORNIA.

FEMA FLOOD ZONE DESIGNATION National Flood Insurance Program
 County: ALAMEDA Effective Date: AUGUST 3, 2009
 Community-Panel Number: 06001C-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°50'29.64" Long: W 122°13'27.46"
 Datum Base: NAD 83 Equipment Used: Topcon Hiperlite Receiver (See Note 2)
 Site Ground Elevation: 477.6± AMSL (NAVD88) AT BASE OF LIGHT POLE
 Basis of Elevations:
 GLOBAL POSITIONING SYSTEM (GPS) (SEE NOTE 2)
 Basis of Bearings:
 CALIFORNIA COORDINATES ZONE III (NAD83) AND BEST FIT WITH EXISTING IMPROVEMENTS AS SHOWN.
 Date of Field Survey: DECEMBER 12, 2016

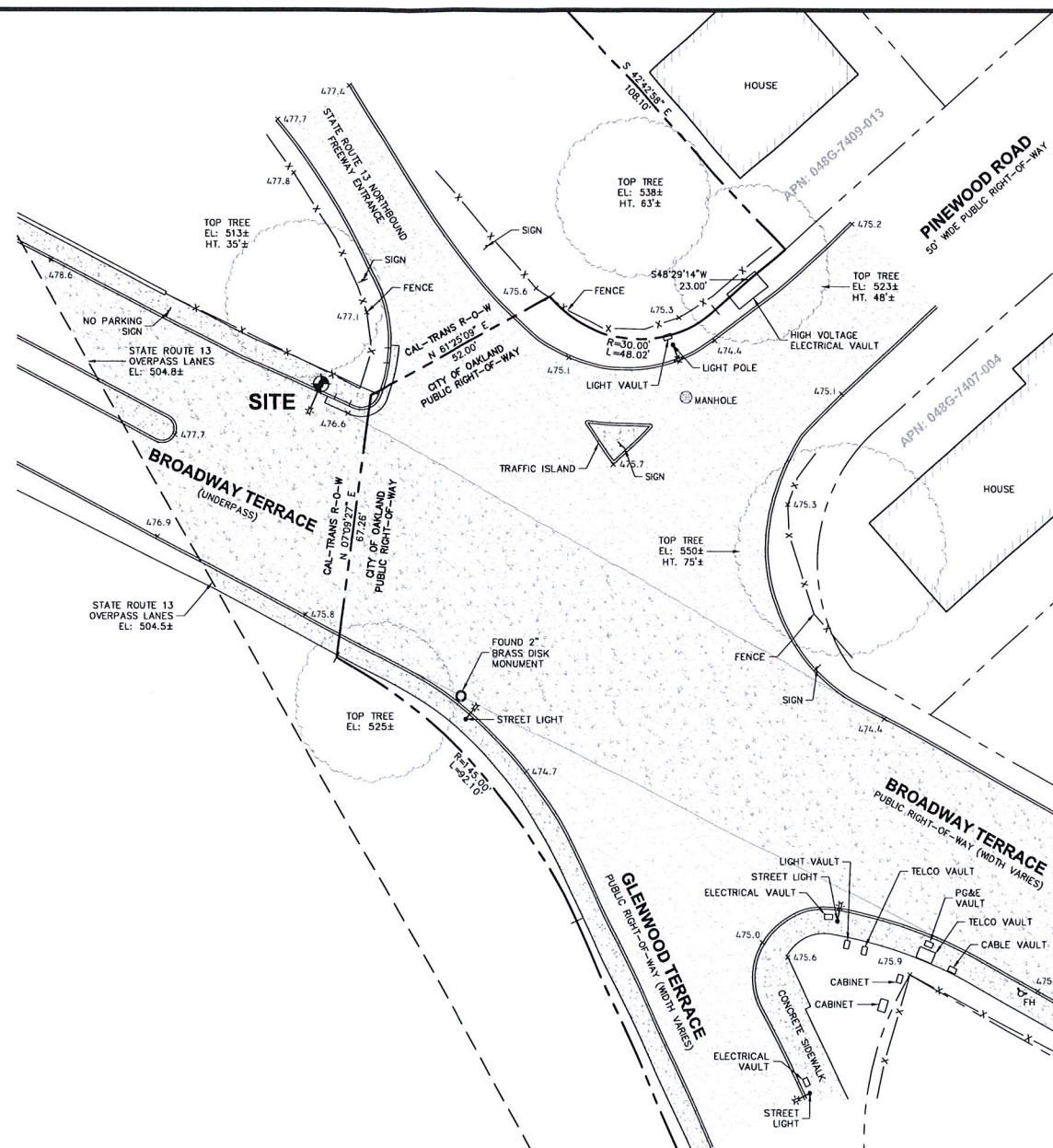
NOTES
 1.) This is not a boundary survey. This is a specialized topographic map with property lines and easements being a graphic depiction of various information gathered from preliminary title reports, back-up documents of record, maps and available monuments found during the field survey. No property 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 L-1/L-2 data collected using Novstar Global Positioning System (GPS) and a Topcon Hiperlite Receiver. Topcon specifications report decimeter 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 - so 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 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, assessments, record boundary lines, bearings and distances as shown hereon are based upon a field survey as dated 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 ±15 feet horizontally, and the ground elevation, reported in NAVD 1988 Datum, is within ±3.3 feet vertically. The coordinate values and elevations are within the 1-A 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

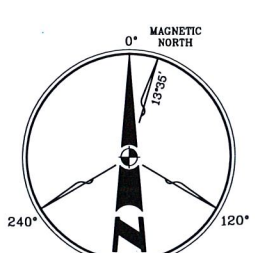
APN:	ASSASSOR'S PARCEL NUMBER	ASPHALT
CP:	CONTROL POINT	CONCRETE
EL:	ELEVATION	CONTROL POINT
FH:	FIRE HYDRANT	FOUND MONUMENT
FND:	FOUND	GPS POINT
HT:	HEIGHT	PARAPET/ROOF ELEVATIONS
MON:	MONUMENT	SPOT ELEVATION
(M-M):	MONUMENT TO MONUMENT	TEMPORARY BENCHMARK
P.O.B.:	POINT OF BEGINNING	
P.O.C.:	POINT OF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



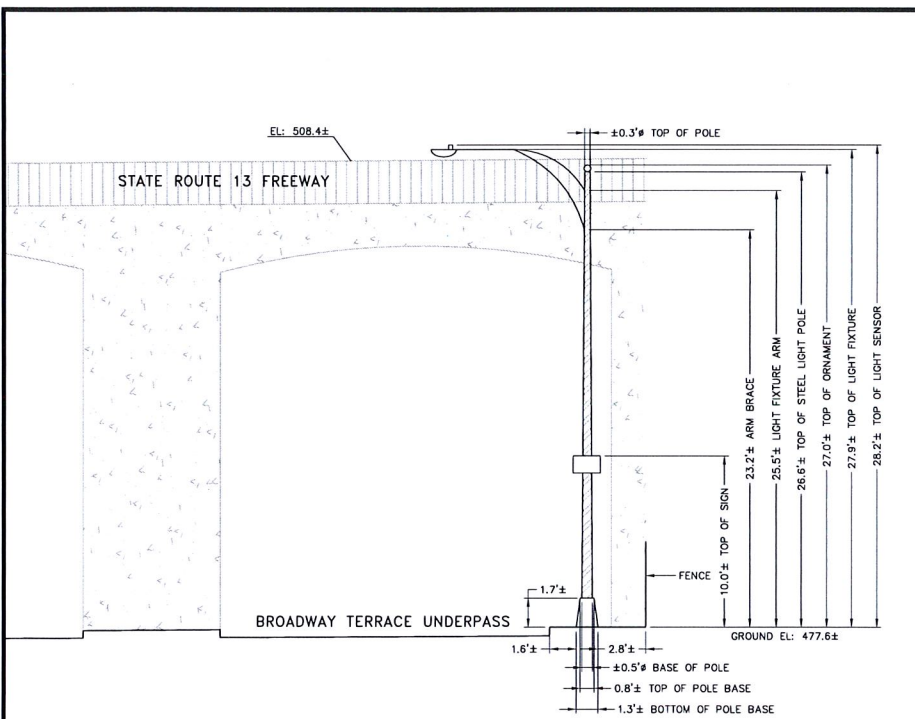
1 SITE PLAN SCALE: 1" = 20"

NOTE:
 CAL-TRANS RIGHT-OF-WAY WAS DETERMINED FROM RIGHT-OF-WAY MAP R-7A.3.

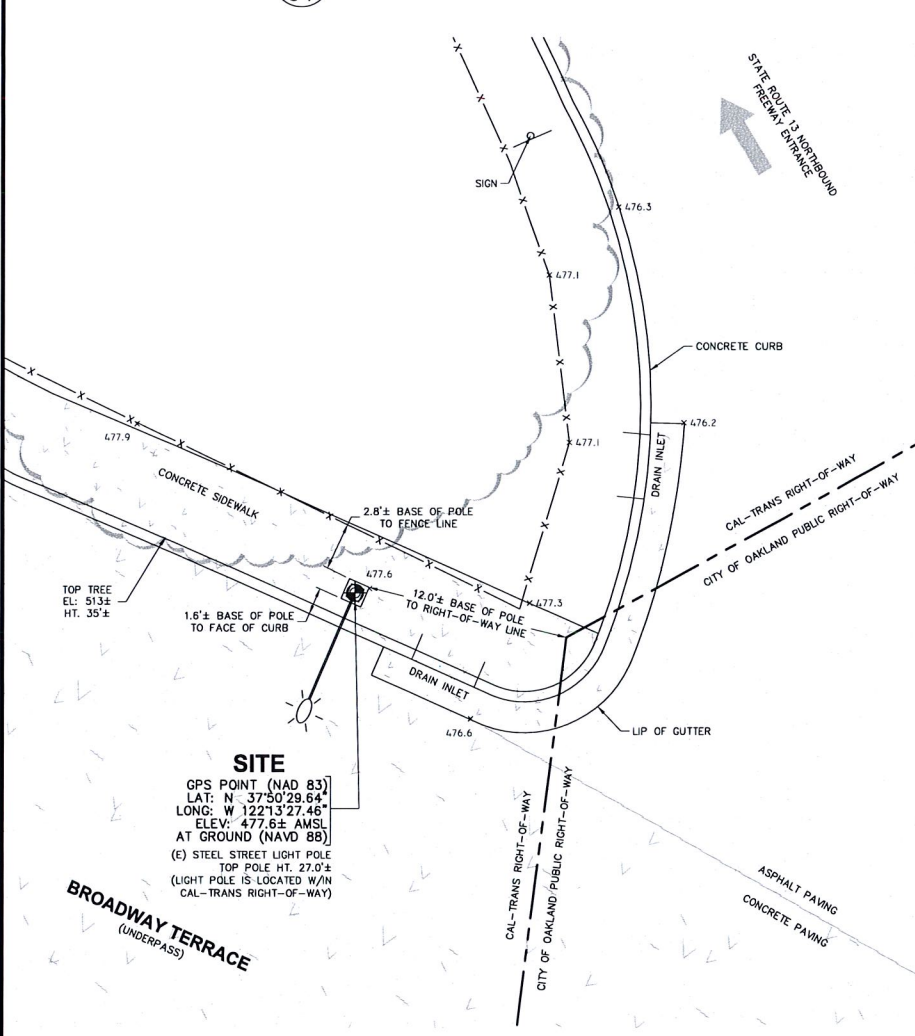
SUFFICIENT SURVEY EVIDENCE WAS NOT RECOVERED TO ESTABLISH THE POSITION OF THE BOUNDARY LINES SHOWN HEREON. THE BOUNDARY REPRESENTED ON THIS MAP IS BASED ON COMPILED RECORD DATA AND BEST FIT ONTO EXISTING IMPROVEMENTS. IT IS POSSIBLE FOR THE LOCATION OF THE SUBJECT PROPERTY TO SHIFT FROM THE PLACEMENT 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.



QUIET RIVER
 Land Services Inc.
 SCALE IN INCHES
 MAGNETIC DECLINATION = 13°35'
 PER NOAA-NGDC



3 LIGHT POLE SECTION SCALE: 1" = 5"



2 ENLARGED SITE PLAN SCALE: 1" = 5"

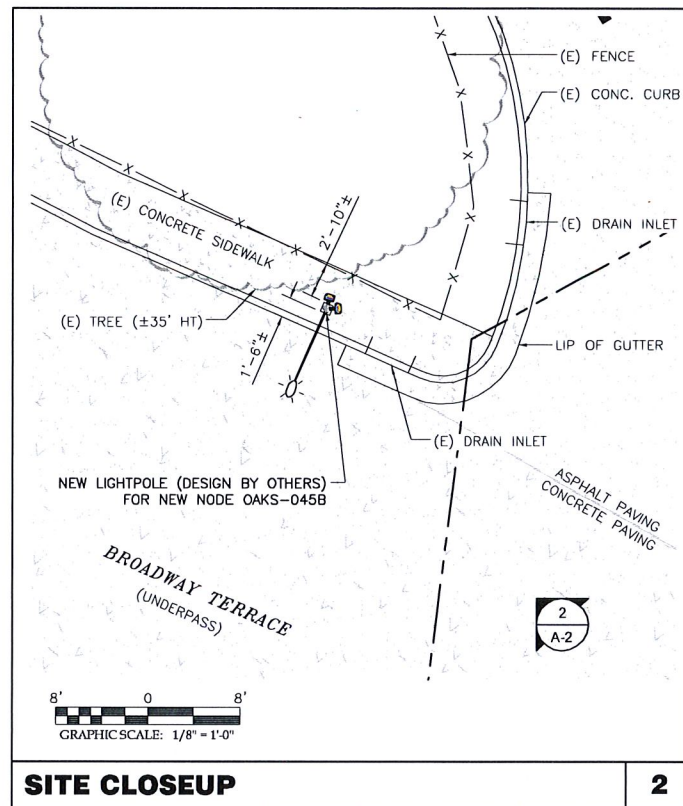
SCALE NOTE:
IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY,
CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.

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.

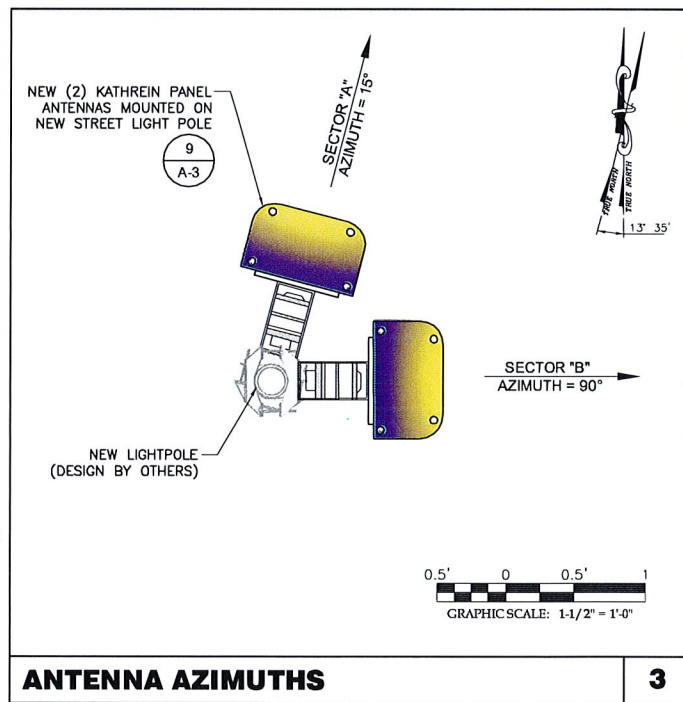
SITE WORK GENERAL NOTES:

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.



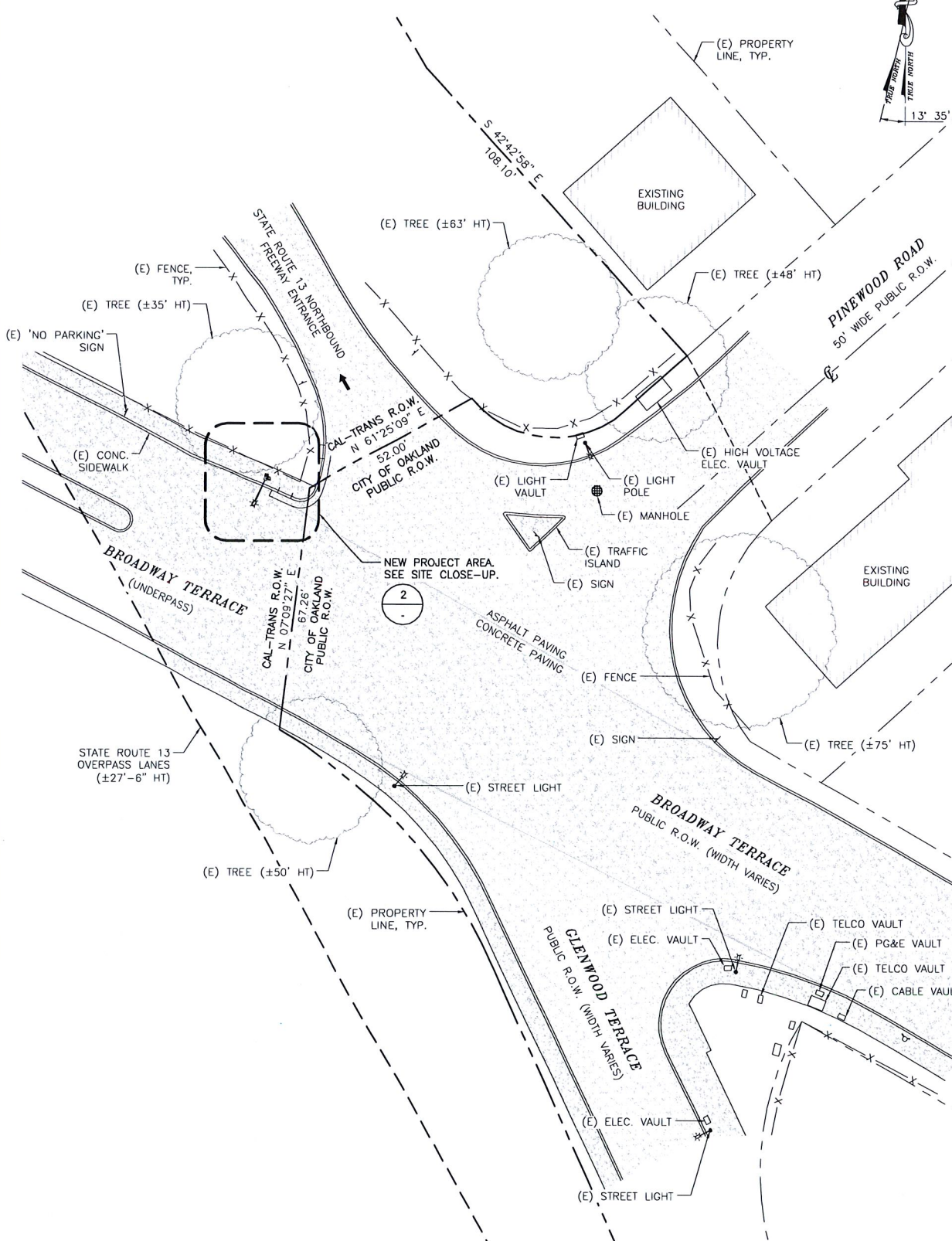
SITE CLOSEUP

2



ANTENNA AZIMUTHS

3



SITE PLAN

1



5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:
OAKHILLS AT&T SOUTH NETWORK
OAKS-045B
CAL-TRANS RIGHT-OF-WAY
BROADWAY TERRACE UNDERPASS AT HWY. 13
OAKLAND, CA 94611

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
CID
4555 LAS POSITAS RD, BLDG. A, STE. B
LIVERMORE, CA 94551
TEL: (925) 606-8868

CONSULTANT:
exionet YOUR NETWORK. EVERYWHERE.
SYSTEMS
3030 WARRENVILLE RD, SUITE 340
Lisle, IL 60532

DRAWN BY: JP **CHK.:** JBM **APV.:** SAS

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

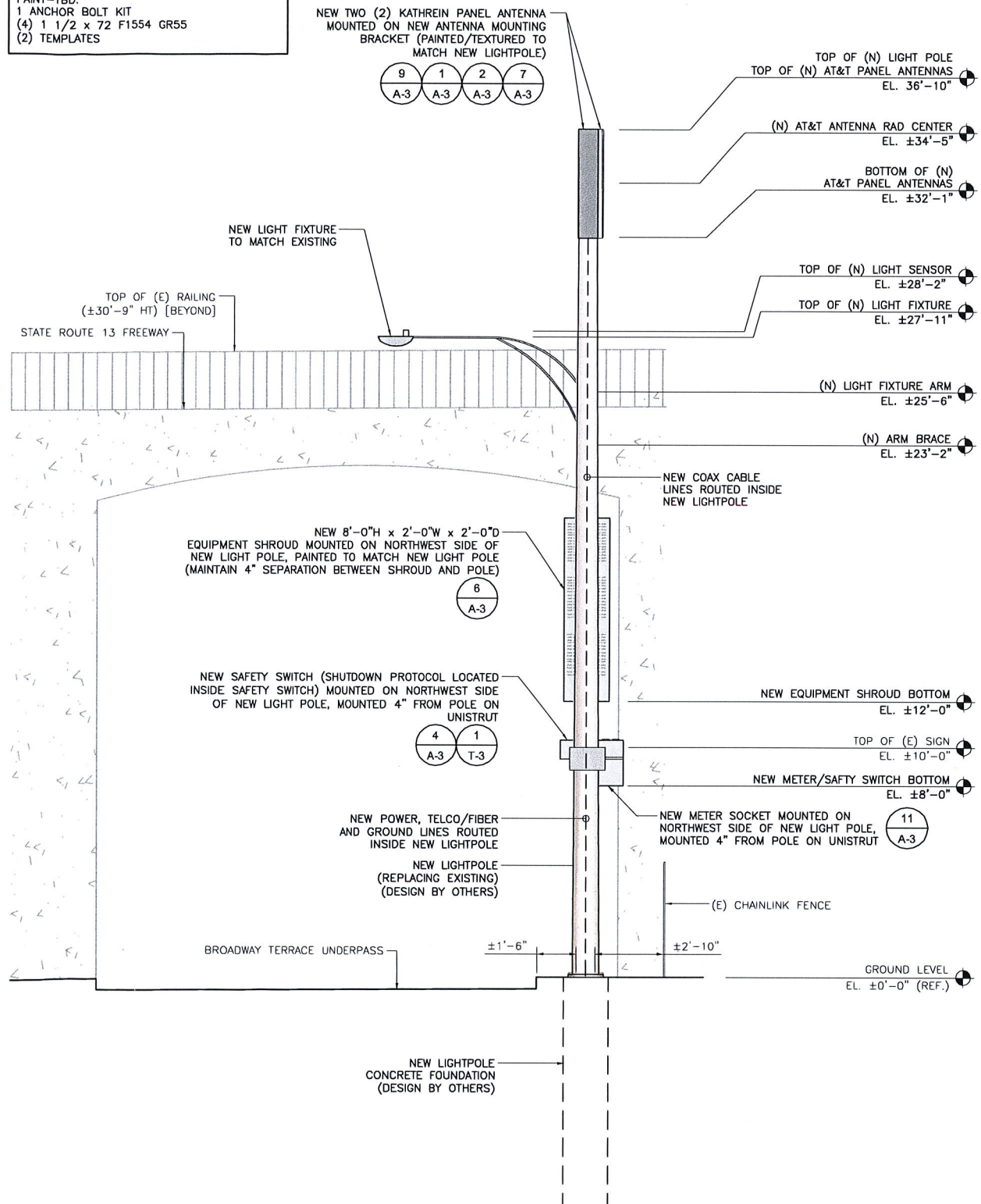
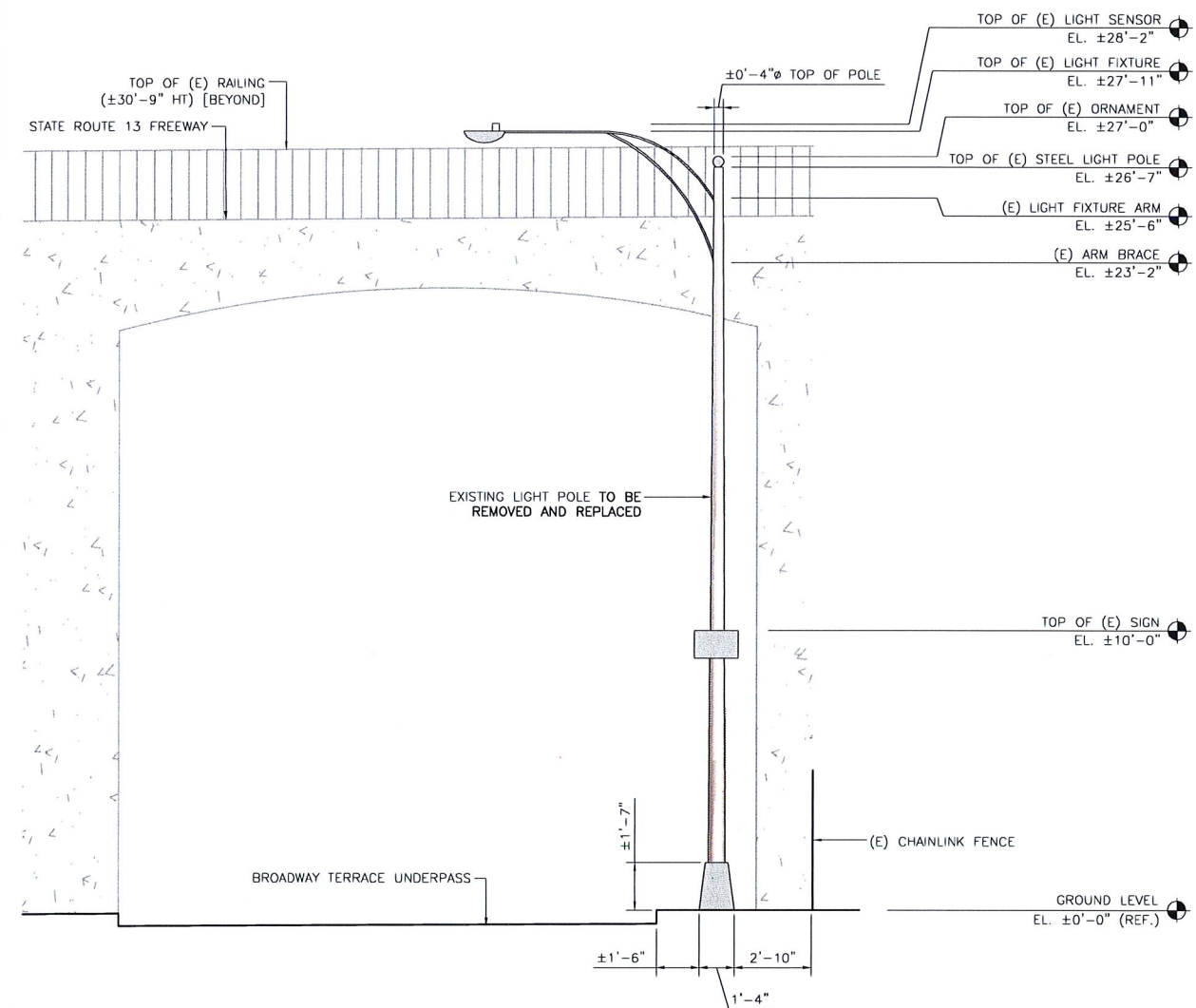
SHEET TITLE:
SITE PLAN

SHEET NUMBER:
A-1

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

- NOTES:**
- EXISTING TREES TO BE TRIMMED IF NECESSARY.
 - EQUIPMENT AND SHROUD TO REMAIN ON POLE.

NODE 45 DESCRIPTION
37.3' MONO LIGHT POLE
9 x 14.16 x 36.83' x 7ga (1.88) A572 55ksi
1 1/2 x 19 sq BASEPLATE
(1) 3x5 ACCESS PORTS
(3) 4x8 ACCESS PORTS
LIGHT ARM COBRA STYLE LED STREET LIGHT (ERS10BXCX5572GRAY)
1/4" TOP PLATE
(1) FLUSH MOUNT KIT
(2) CONN. HDW.
PAINT-TBD.
1 ANCHOR BOLT KIT
(4) 1 1/2 x 72 F1554 GR55
(2) TEMPLATES



EXISTING SOUTHEAST ELEVATION

NEW SOUTHEAST ELEVATION



5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:
OAKHILLS AT&T SOUTH NETWORK
OAKS-045B
CAL-TRANS RIGHT-OF-WAY
BROADWAY TERRACE UNDERPASS AT HWY. 13
OAKLAND, CA 94611

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A	02/08/17	90% CONSTRUCTION DRAWING	RSD
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PLANS PREPARED BY:

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

CONSULTANT:

extenet SYSTEMS
YOUR NETWORK. EVERYWHERE.
3030 WARRENVILLE RD, SUITE 340
Lisle, IL 60532

DRAWN BY: JP **CHK.:** JBM **APV.:** SAS

LICENSER:

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

SHEET TITLE:
SOUTHEAST ELEVATIONS

SHEET NUMBER:
A-2

SCALE
NONE 1

SCALE
NONE 2



5001 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

PROJECT INFORMATION:

**OAKHILLS AT&T
SOUTH NETWORK
OAKS-045B**
CAL-TRANS RIGHT-OF-WAY
BROADWAY TERRACE UNDERPASS AT HWY. 13
OAKLAND, CA 94611

CURRENT ISSUE DATE:

06/29/17

ISSUED FOR:

**100% CONSTRUCTION
DRAWING**

REV.: DATE: DESCRIPTION: BY:

A	02/08/17	90% CONSTRUCTION DRAWING	RSD
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.:

JP JBM SAS

LICENSER:



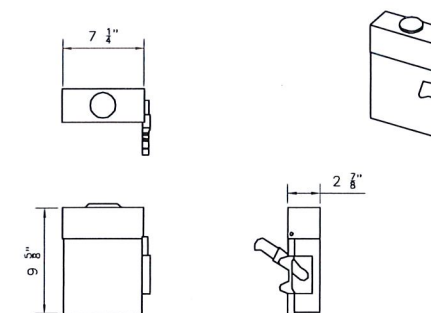
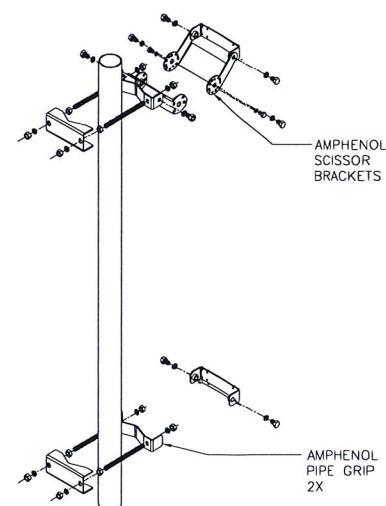
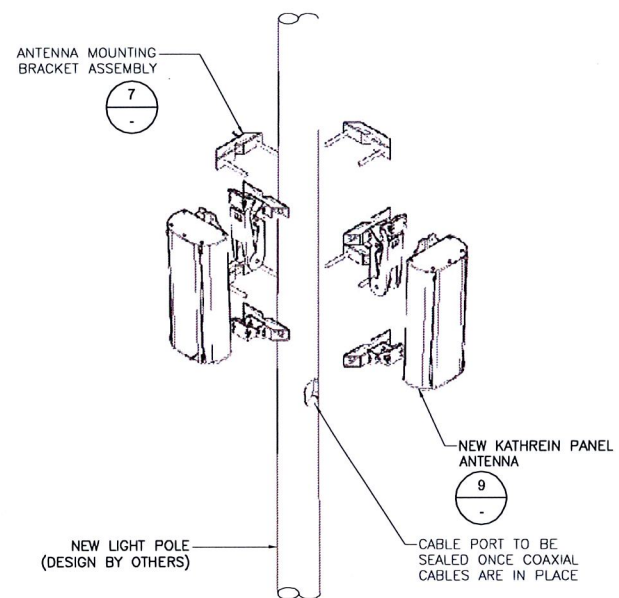
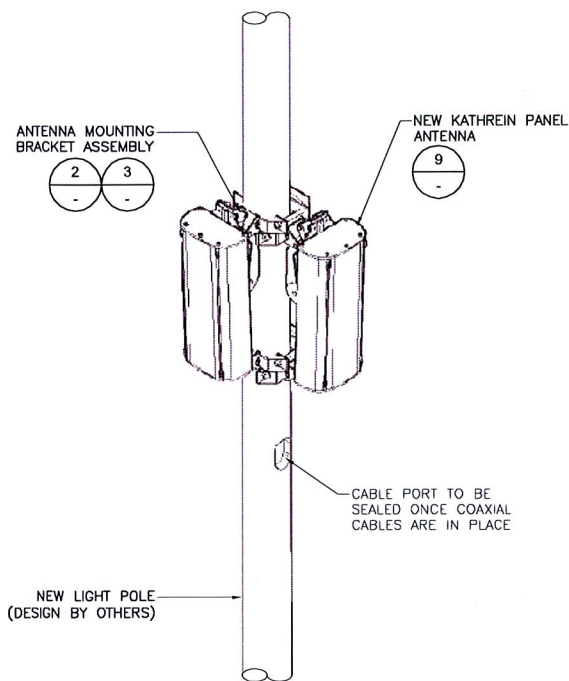
DATE SIGNED: 06/29/17

SHEET TITLE:

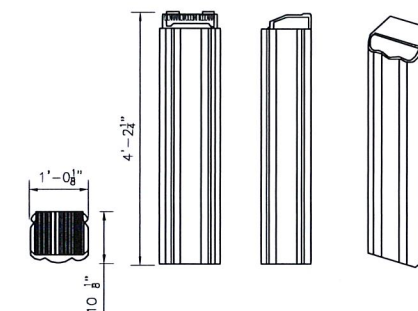
**EQUIPMENT AND
CONSTRUCTION
DETAILS**

SHEET NUMBER:

A-3



SQUARE D D321NRB SAFETY SWITCH 4



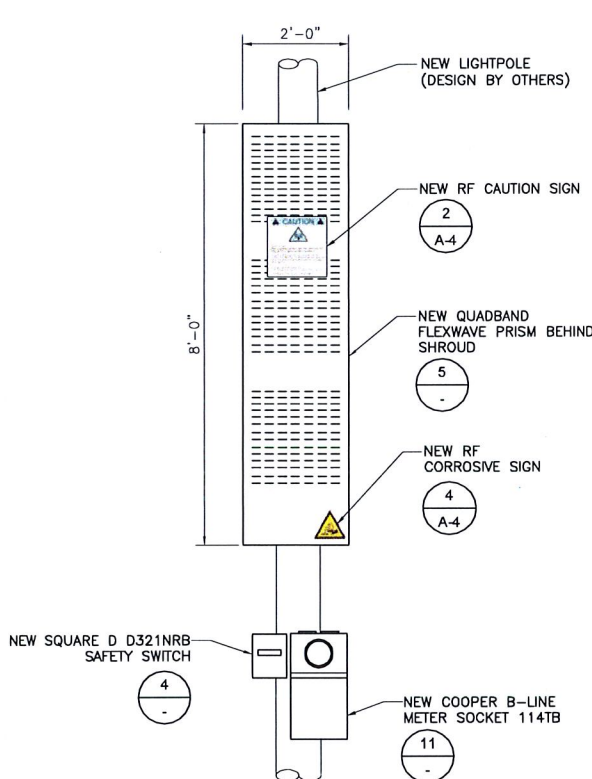
QUADBAND FLEXWAVE PRISM 5

TYP. ANTENNA CONFIGURATION 1

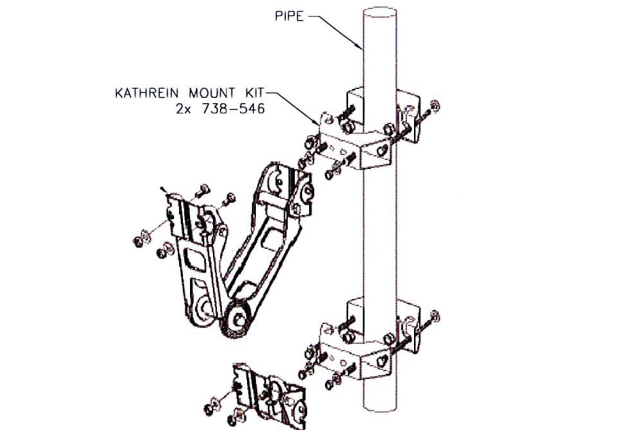
TYP. POLE TOP ANTENNA ASSEMBLY 2

ANTENNA MOUNTING BRACKET 3

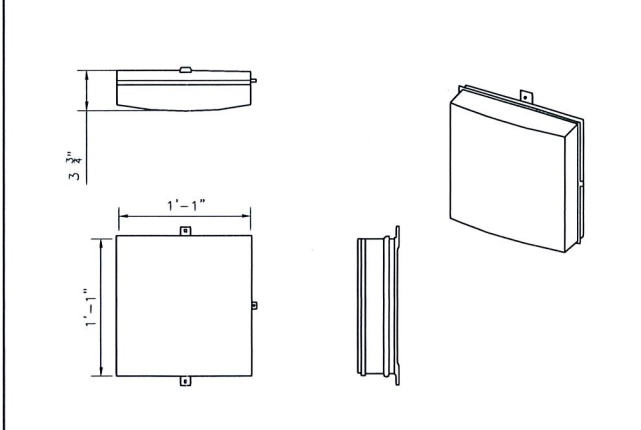
QUADBAND FLEXWAVE PRISM 5



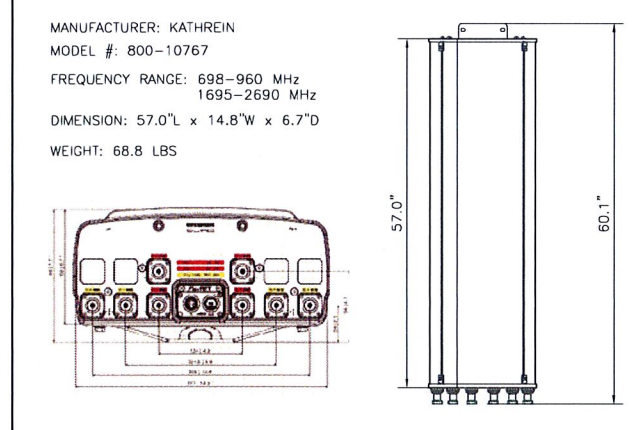
EQUIPMENT CONFIGURATION 6



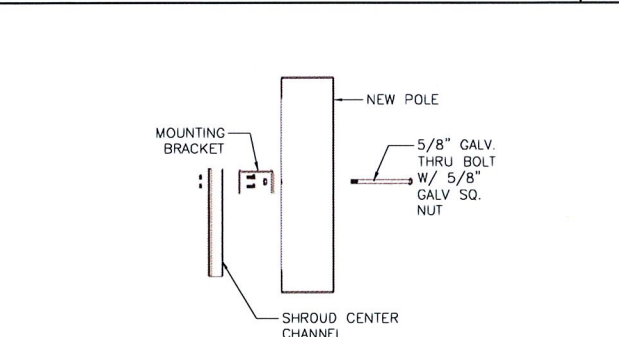
ANT. MOUNT BRACKET ASSEMBLY 7



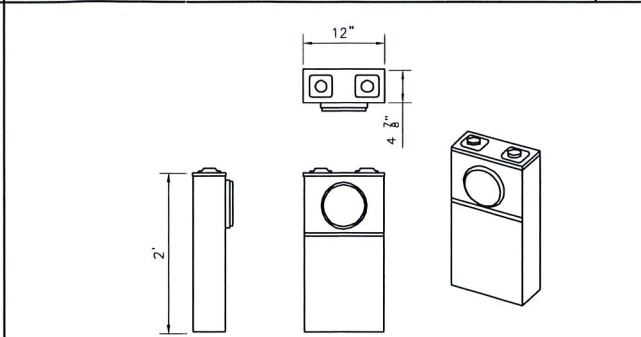
AFL OPTINID 760 XL 8



KATHREIN PANEL ANTENNA 9



SHROUD MOUNTING DETAIL 10



COOPER B-LINE METER SOCKET 114TB 11

NOTE 45 DESCRIPTION

37.3' MONO LIGHT POLE
 9 x 14.16 x 36.83' x 7ga (1.88) A572 55ksi
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 (1) 3x5 ACCESS PORTS
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 LIGHT ARM COBRA STYLE LED STREET LIGHT
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 1/4" TOP PLATE
 (1) FLUSH MOUNT KIT
 (2) CONN. HDW.
 PAINT-TBD.
 1 ANCHOR BOLT KIT
 (4) 1 1/2 x 72 F1554 GR55
 (2) TEMPLATES

NOTES 12

CAUTION




On this tower:
Radio frequency fields near some antennas may exceed FCC rules for human exposure.

To prevent occupational exposures in excess of the FCC guidelines, the public limit is calculated to extend no further than 12 feet horizontally at the height of the antennas and 1 foot below the AT&T antennas.

For further information, please call 1-800-638-2822 and reference Cell Site number XXX

In accordance to FCC rules 47 CFR 2.35(mW/cm²).

CAUTION




On this tower:
Radio frequency fields near some antennas may exceed FCC rules for human exposure.

To prevent occupational exposures in excess of the FCC guidelines, the public limit is calculated to extend no further than 12 feet horizontally at the height of the antennas and 1 foot below the AT&T antennas.

For further information, please call 1-800-638-2822 and reference Cell Site number _____

In accordance to FCC rules 47 CFR 2.35(mW/cm²).

NOTICE



Radio frequency fields beyond this point may exceed the FCC general public exposure limit.

Obey all posted signs and site guidelines for working in radio frequency environments.

In accordance with Federal Communications Commission rules, no radio frequency emissions at 47 CFR 1.1307(a).



AT&T TO INSTALL SIGNS PER 6095 RULE 94.5
APPENDIX H, EXHIBIT A. AT NODE/ANTENNA POLE M
APPENDIX H ADDITIONAL MARKING REQUIREMENTS

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

a. IN ADDITION TO THE REQUIREMENTS OF 60.95 RULE 94.5 (MARKING), AT A MINIMUM, EACH ANTENNA OWNER/OPERATOR WILL ALSO AFFIX A SIGN THAT

a.1 IDENTIFIES THE APPLICABLE FCC EXPOSURE CATEGORY (GENERAL POPULATION/UNCONTROLLED OR OCCUPATIONAL/CONTROLLED)

a.2 IDENTIFIES THE FCC'S RECOMMENDED MINIMUM APPROACH DISTANCE AS SET FORTH IN 47 C.F.R., AND

a.3 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.1 NO LESS THAN THREE (3) FEET BELOW THE ANTENNA (MEASURED FROM THE TOP OF THE SIGN) AND

b.2 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 60.95 RULE 94 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




PROJECT INFORMATION:
**OAKHILLS AT&T
SOUTH NETWORK
OAKS-045B**
CAL-TRANS RIGHT-OF-WAY
BROADWAY TERRACE UNDERPASS AT HWY. 13
OAKLAND, CA 94611

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:



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.: _____

JP JBM SAS

LICENSER:



DATE SIGNED: 06/29/17

SHEET TITLE:
RF SIGNAGE

SHEET NUMBER:
A-4

Attachment D

Existing



AT&T Wireless

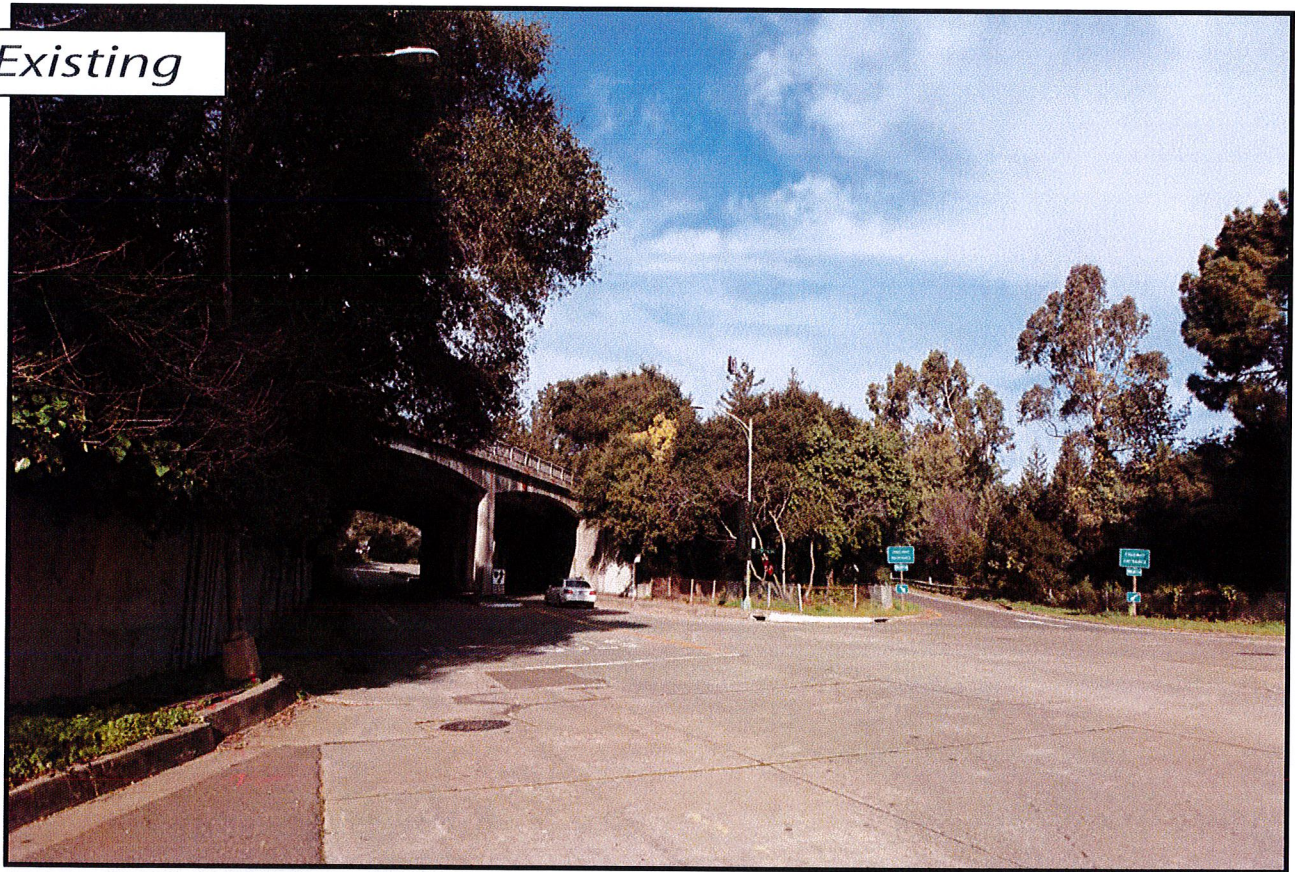
view from Broadway Terrace looking east at site

OAKHILLS AT&T South Network Oaks-045B
Broadway Terrace Underpass @ Hwy 13, Oakland, CA
Photosims Produced On 7-7-2017

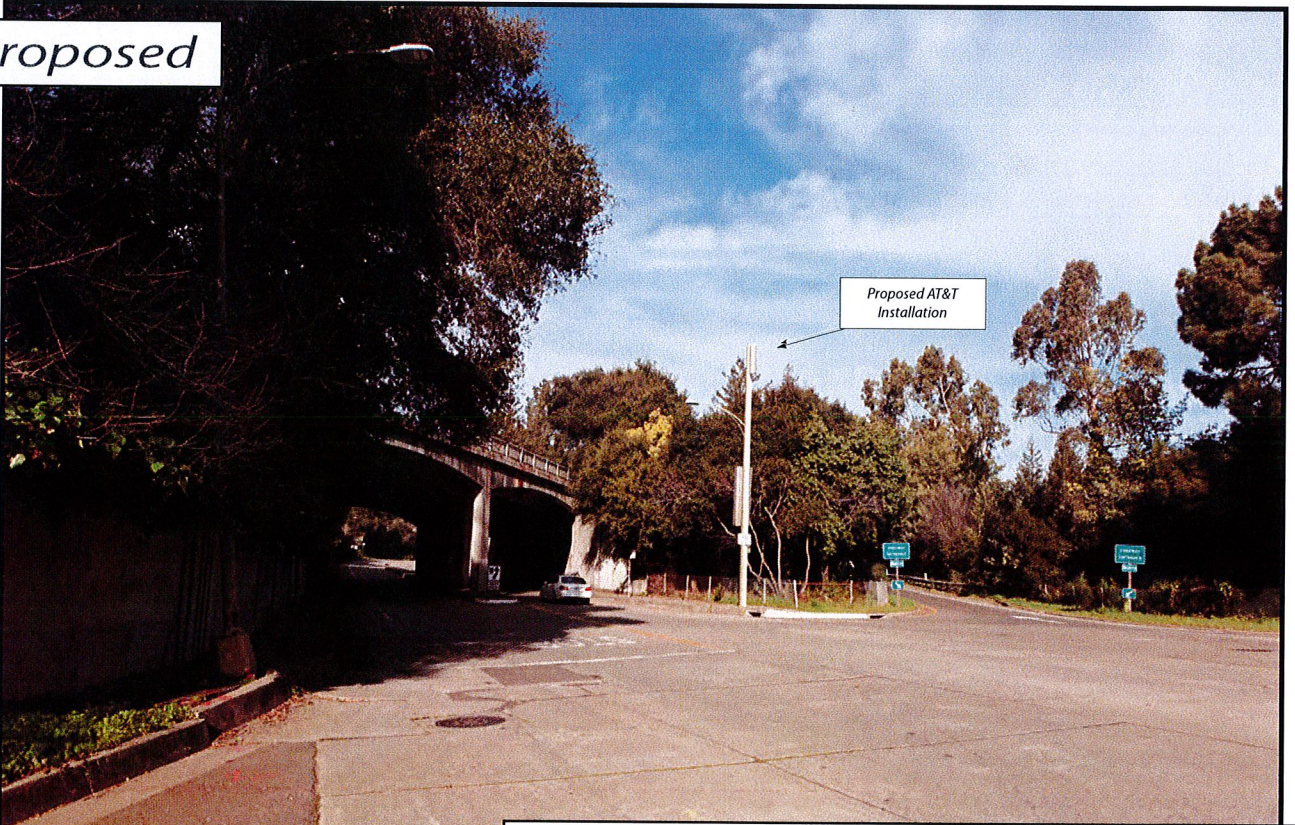
Proposed



Existing



Proposed



Proposed AT&T
Installation

view from Broadway Terrace looking north at site

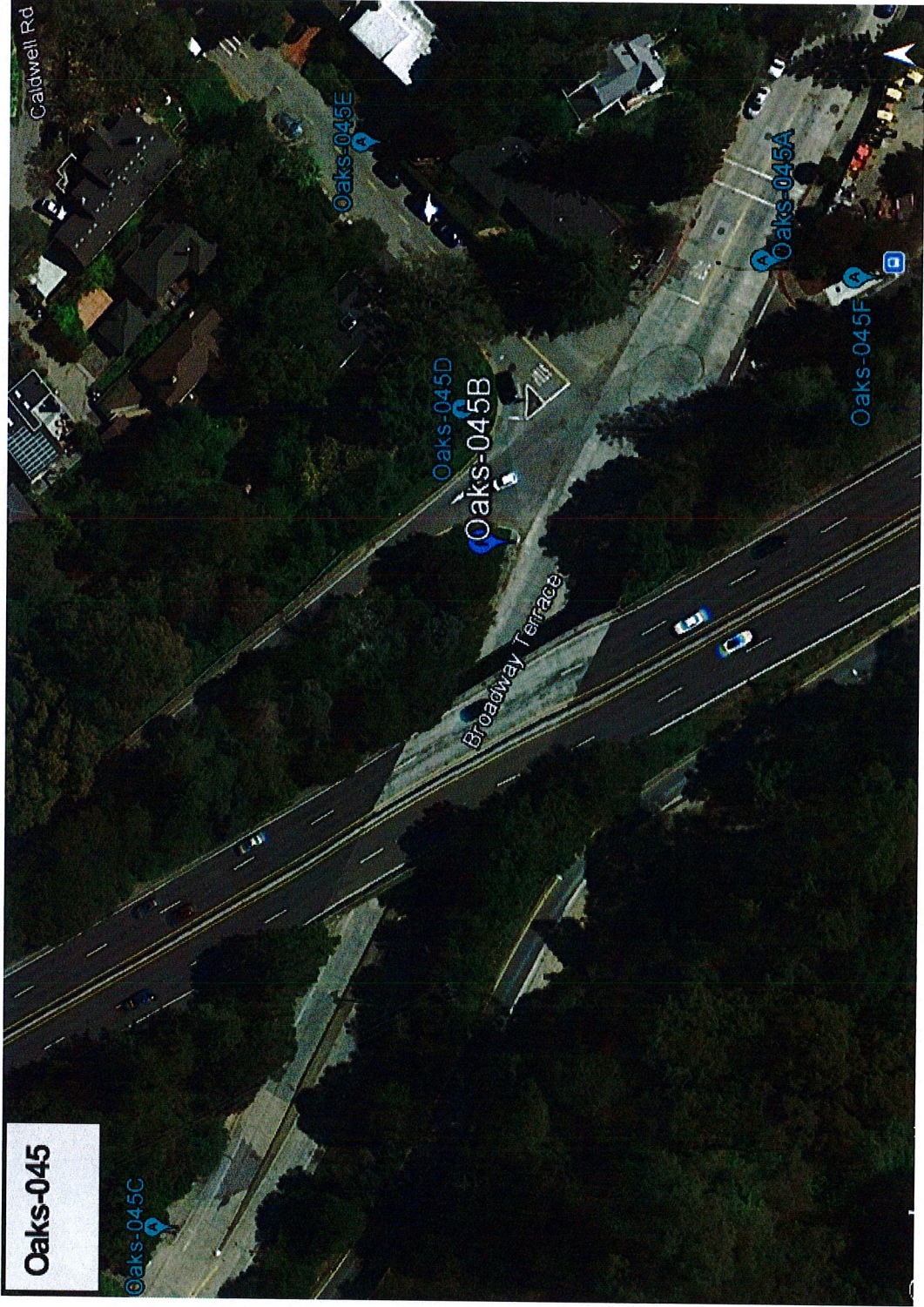


Rethink Possible

DAS Node OAKS-045B PLN17374 | 5821 Pinewood Road Alternative Site Analysis

Attachment E

MAP OF ALTERNATIVE POLES EVALUATED FOR NODE OAKS-045B



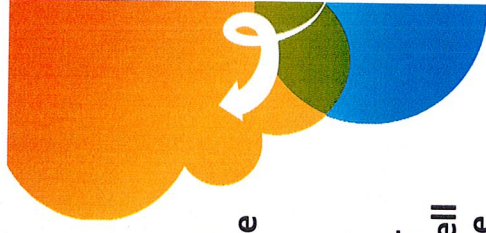
- The above map depicts ExteNet’s proposed Node OAKS-045B in relation to other poles in the area that were evaluated as possibly being viable alternative candidates.
- The following is an analysis of each of those 5 alternative locations.

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DAS Node OAKS-045B – Proposed Location



- The location for ExteNet's proposed Node Oaks-045B is a metal light pole located adjacent to PROW 6628 Broadway Terrace (37.841567, -122.224294).
- 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.



Alternative DAS Node Oaks-045A



- Node Oaks-045A is a metal light pole located adjacent to PROW 6767 Broadway Terrace (37.841206, -122.223842)
- This pole is not a viable alternate 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 the signal would be blocked by trees.
- This pole is not a viable alternative because it is more visible and intrusive than the current proposed location.



Alternative DAS Node OAKS-045C



- Node Oaks-045C is a metal light pole located adjacent to PROW 6600 Broadway Terrace (37.842046, -122.225512)
- This pole is not a viable alternate 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 the signal would be blocked by trees.



Alternative DAS Node OAKS-045D



- Node Oaks-045D is a metal light pole located adjacent to PROW 5800 Pinewood Road (37.841603, -122.224068)
- This pole is not a viable alternative and it is more intrusive than the current proposed location because it is located on the side yard of a residence.
- This pole is not a viable alternative because the signal would be blocked by trees.



Alternative DAS Node OAKS-045E



- Node Oaks-045E is a metal light pole located adjacent to PROW 5810 Pinewood Road (37.841748, -122.223601)
- This pole is not a viable alternative because it is in front residential window.
- This pole is not a viable alternative because the signal would be blocked by trees.
- This pole is not a viable alternate because it is an ornamental-decorative pole that will need to be replaced by a taller and more intrusive standard light pole.



Alternative DAS Node OAKS-045F



- Node Oaks-045F is a metal light pole located adjacent to PROW 22 Glenwood Glade (37.841092, -122.223876)
- This pole is not a viable alternate 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 the signal would be blocked by trees.



DAS Node OAKS-045B – Alternative Site

Analysis Conclusion



Based on ExteNet's analysis of alternative sites, the currently proposed Node Oaks-045B is the least intrusive location from which to fill the surrounding significant wireless coverage gaps.

OAKS-045B: 37.841567°, -122.224294° (Proposed Site)

Oaks-045A: 37.841206°, -122.223842°

Oaks-045C: 37.842046°, -122.225512°

Oaks-045D: 37.841603°, -122.224068°

Oaks-045E: 37.841748°, -122.223601°

Oaks-045F: 37.841092°, -122.223876°



ATTACHMENT F

AT&T Radio Frequency Statement

DAS Node Oaks-045B: Metal Light Pole in Public Right-of-Way
5821 Pine Wood Road . Oakland, CA, 94611

I am the radio frequency (RF) engineer assigned to the proposed wireless telecommunications facility ("Node Oaks-045B"), which is a DAS Node to be located on a metal light pole in the public right-of-way adjacent to 5821 Pine Wood Road Oakland, CA, 94611 (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

AT&T Radio Frequency Statement
DAS Node Oaks-045B: Light Pole in Public Right-of-Way
5821 Pine Wood Road , Oakland, CA, 94611

I am the radio frequency (RF) engineer assigned to the proposed wireless telecommunications facility ("Node Oaks-045B"), which is a DAS Node to be located on a metal light pole in the public right-of-way adjacent to 5821 Pine Wood Road , Oakland, CA, 94611 (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 Mobility • Proposed DAS Node (Site No. OAKS-045B)
Broadway Terrace at Highway 13 • 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-045B 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 on Broadway Terrace east of the underpass at Highway 13 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



**AT&T Mobility • Proposed DAS Node (Site No. OAKS-045B)
Broadway Terrace at Highway 13 • Oakland, California**

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 800-10767 directional panel antennas on top of a new light pole to replace the existing light pole sited in the public right-of-way on Broadway Terrace at the on-ramp to east-bound Highway 13 in the Oakland Hills area of Oakland. The antennas would employ no downtilt, would be mounted at an effective height of about 34½ feet above ground, and would be oriented toward 15°T and 90°T. The maximum effective radiated power in any direction would be 520 watts, representing simultaneous operation of 260 watts for PCS, 140 watts for cellular, and 120 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 0.0038 mW/cm², which is 0.63% of the applicable public exposure limit. The maximum calculated level at the second-floor elevation of any nearby building would be 0.31% 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



**AT&T Mobility • Proposed DAS Node (Site No. OAKS-045B)
Broadway Terrace at Highway 13 • Oakland, California**

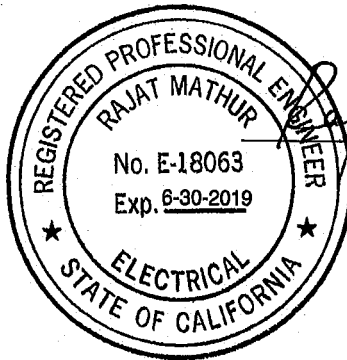
guidelines. To prevent occupational exposures in excess of the FCC guidelines, it is recommended that appropriate RF safety training be provided to all authorized personnel who have access to the antennas. No access within 2 feet directly in front of the antennas themselves, such as might occur during 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, on Broadway Terrace east of the underpass at Highway 13 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 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
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.

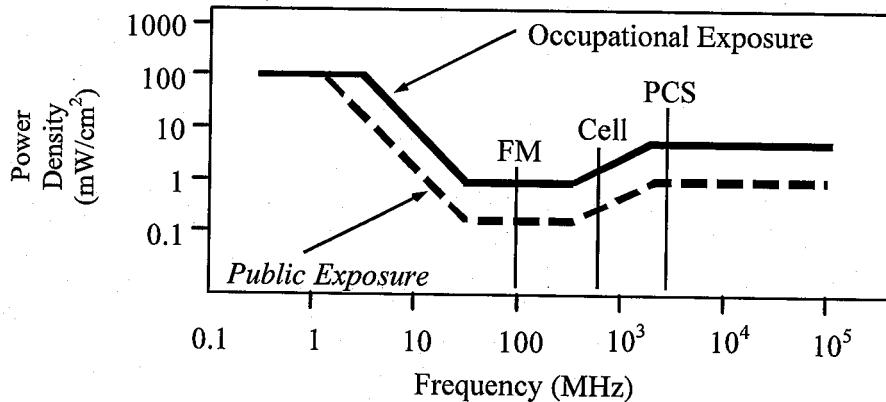


FCC Radio Frequency Protection Guide

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 Applicable Range (MHz)	Electromagnetic Fields (<i>f</i> is frequency of emission in MHz)					
	Electric Field Strength (V/m)		Magnetic Field Strength (A/m)		Equivalent Far-Field Power Density (mW/cm ²)	
0.3 – 1.34	614	<i>614</i>	1.63	<i>1.63</i>	100	<i>100</i>
1.34 – 3.0	614	<i>823.8/f</i>	1.63	<i>2.19/f</i>	100	<i>180/f²</i>
3.0 – 30	1842/f	<i>823.8/f</i>	4.89/f	<i>2.19/f</i>	900/f ²	<i>180/f²</i>
30 – 300	61.4	<i>27.5</i>	0.163	<i>0.0729</i>	1.0	<i>0.2</i>
300 – 1,500	3.54√ <i>f</i>	<i>1.59√f</i>	√ <i>f</i> /106	<i>√f/238</i>	<i>f/300</i>	<i>f/1500</i>
1,500 – 100,000	137	<i>61.4</i>	0.364	<i>0.163</i>	5.0	<i>1.0</i>



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/cm²,

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/cm²,

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:

power density $S = \frac{2.56 \times 1.64 \times 100 \times RFF^2 \times ERP}{4 \times \pi \times D^2}$, in mW/cm²,

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.



Decision 06-04-063 April 27, 2006

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

Application of ClearLinx Network Corporation (U-6959-C) for a Modification to its Certificate of Public Convenience and Necessity in Order to Provide Competitive Local Exchange, Access and Non-Dominant Interexchange Services.

Application 05-07-025
(Filed July 27, 2005)

**OPINION GRANTING MODIFICATION
OF CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY****I. Summary**

ClearLinx Network Corporation (U-6959-C) (Applicant) seeks a modification of its existing certificate of public convenience and necessity (CPCN) under Pub. Util. Code § 1001 to obtain authority to provide full facilities-based local exchange and interexchange telecommunications services.¹ We grant the application, subject to the requirements and conditions stated below.

We also specify a procedure to be followed if Applicant wishes to pursue full facilities-based construction activities that involve potential exemptions from environmental review under the California Environmental Quality Act (CEQA).

II. Background

Applicant, a Delaware corporation, seeks authority to provide full facilities-based local exchange and interexchange services. Applicant's principal

¹ In Decision (D.) 05-07-004, the Commission previously granted Applicant a CPCN (U-6959-C) authorizing the provision of limited facilities-based interexchange services in California.

place of business is located at 1901 S. Meyers Road, Suite 190, Oakbrook Terrace, IL 60181.

In this application, Applicant requests full facilities-based authority to provide local exchange services in the service territories of Pacific Bell Telephone Company, Verizon California Inc., SureWest Telephone,² and Citizens Telephone Company and interexchange services statewide.

Applicant plans to initially offer point to point circuits carried on fiber optic facilities. These point to point circuits will carry the Radio Frequency traffic of wireless services providers (WSPs) between Applicant's newly-deployed share distributed antenna systems and the WSPs' existing facilities. Applicant states that these fiber-fed shared distributed antenna systems will extend wireless networks, will address the increasing demand from WSPs for a solution to long-standing service coverage problems, and will provide network enhancements that add capacity to accommodate high speed data applications.

Applicant proposes to provide these services through a combination of its own facilities and services leased from existing carriers and other suppliers. The fiber optic facilities will be deployed primarily in an aerial configuration, attached to utility poles and other aerial support structures. However, for some routes, Applicant may need to construct additional facilities in or near to rights-of-way.³

² SureWest Telephone was formerly known as Roseville Telephone Company.

³ ClearLinx states in its Supplement that its plant construction will differ from other, more traditional telecommunications providers because:

- Its projects consist largely of deploying aerial facilities (fiber optic cable and pole-mounted antenna node equipment);
- Its projects will cover short distances;
- Its projects are widely separated geographically, and are not interconnected in a traditional network; and

Footnote continued on next page

The requirements for the expanded CPCN authority requested by Applicant here are the same as those previously met by Applicant for its existing CPCN (U-6959-C), except for the requirements of the CEQA as applied to any proposed full facilities-based construction by Applicant.⁴ Therefore, the only issue before us in this application is whether Applicant's proposed construction and process for requesting determinations of exemption from CEQA by Commission staff meets the requirements of CEQA and should be approved. Applicant remains subject to the requirements of D.05-07-004, which granted Applicant authority to provide limited facilities-based interexchange services.

III. Environmental (CEQA) Review

The CEQA (Public Resources Code Sections 21000 et seq.) applies to discretionary projects to be carried out or approved by public agencies. A basic purpose of CEQA is to "inform governmental decision-makers and the public about the potential significant environmental effects of the proposed activities." (Title 14 of the California Code of Regulations, hereafter CEQA Guidelines, Section 15002.)

Since the Commission must issue a discretionary decision (i.e., grant Section 1001 certificate authority) without which the proposed activity will not proceed, the Commission must act as either a Lead or Responsible Agency under CEQA. The Lead Agency is the public agency with the greatest responsibility for supervising or approving the project as a whole (CEQA Guidelines, Section 15051(b)). The Commission is the Lead Agency for this project under

-
- Its projects are driven by customer needs, so that ClearLinx does not know very far in advance where its next project will be located.
- ⁴ Applicant has also filed financial documentation, information regarding required deposits, and biographical information regarding the experience of its management, which demonstrates that Applicant otherwise meets the requirements for a full facilities-based CPCN.

CEQA. CEQA requires that the Commission consider the environmental consequences of a project that is subject to its discretionary approval.

Applicant seeks authority in this application to modify its existing CPCN to include full facilities-based competitive local exchange, access and non-dominant interexchange service. Applicant initially filed this application on July 27, 2005, and filed a supplement to the application on November 2, 2005 (Supplement) and a second supplement on February 17, 2006. Although Applicant did not file a Preliminary Environmental Assessment with the application, Applicant provided additional information in the Supplement to address compliance with Rule 17.1 of the Commission Rules of Practice and Procedure and the degree to which its planned outside construction implicates CEQA. In its application and Supplement, Applicant outlined its projected business activities and described the types of facilities it may utilize and construct, including their geographical location and extent. The application and Supplement provide adequate information to determine the environmental impacts (if any) of such activities and the degree to which such activities and facilities may be exempt from further CEQA review.

In its application and Supplement, Applicant states that its business activities associated with the installation of its Distributed Antenna System (DAS) facilities are so limited that they should potentially qualify for a number of categorical exemptions available under CEQA. In its Supplement, Applicant provides two attachments to support its case. Attachment A provides a description of the types of facilities involved in a DAS network, and Attachment B provides both a proposed procedure by which Applicant would provide notice of the claimed exemption, and a detailed list of existing CEQA categorical exemptions that would apply to the installation of DAS facilities by Applicant.

Applicant has proposed the following procedure for obtaining Commission approval of its claimed CEQA exemptions for proposed construction projects:

- Applicant will provide the Commission Energy Division with:
 - A detailed description of the proposed project, including:
 - Customer(s) to be served;
 - The precise location of the proposed construction project; and
 - Regional and local site maps.
 - A description of the environmental setting, to include at a minimum:
 - Cultural, historical, and paleontologic resources;
 - Biological resources; and
 - Current land use and zoning.
 - A construction workplan, to include:
 - Commission Preconstruction Survey Checklist—Archaeological Resources;
 - Commission Preconstruction Survey Checklist—Biological Resources;
 - A detailed schedule of construction activities, including site restoration activities;
 - A description of construction/installation techniques;
 - A list of other agencies contacted with respect to siting, land use planning, and environmental resource issues, including contact information; and
 - A list of permits required for the proposed project.
 - A statement of the CEQA exemption(s) applicable to the proposed project; and
 - Documentation and factual evidence sufficient to support a finding that the claimed exemption(s) is (are) applicable.
- The Commission Energy Division will review the Applicant's submission for the proposed project to confirm that the claimed exemption(s) from CEQA are applicable.

- Within 21 days from the date of Applicant's submittal, the Commission Energy Division will issue either:
 - A Notice to Proceed (NTP) and file a Notice of Exemption with the State Clearinghouse, Office of Planning and Research, or
 - A letter of denial stating the specific reasons why the claimed exemption(s) are not applicable to the proposed project.

The application makes clear that Applicant's facilities-based DAS projects will consist of: predominantly aerial fiber optic facilities; the installation of compact "nodes" on existing utility poles; a minor amount of ground disturbance (100 – 200 feet) associated with connecting equipment enclosures on private property with the aerial right-of-way; and aerial fiber runs of short distances, rarely exceeding 1,000 feet in length. All facilities will be located within public utility rights-of-way (with the exception of ingress and egress to and from the facilities). The projects and facilities will be widely separated geographically.

We have carefully reviewed the application and Supplement and find that:

- Applicant's proposed facilities-based project activities are very limited;
- These activities would in almost all circumstances be very likely to qualify for an exemption from CEQA; and
- The proposed process for reviewing the applicability of CEQA exemptions to Applicant's DAS facilities-based projects is not only adequate for the Commission's purposes as CEQA Lead Agency, but is also in the public interest because it enables Applicant to respond in a timely manner to WSPs' requests for service without the delay or burden of a full CEQA review when such review is unnecessary.

We therefore approve Applicant's proposed process for Commission review of claimed CEQA exemptions for construction projects undertaken pursuant to Applicant's full facilities-based authority, based on the specific facts

of this case with the following modifications related to the Commission Energy Division's review and approval or disapproval of the proposed exemptions.

- If the Commission Energy Division disapproves Applicant's claimed CEQA exemption(s), and issues a letter of denial to Applicant, Applicant shall either re-design the specific project and facilities and then reapply for a finding of exemption from CEQA, or file a formal application with the Commission seeking the requisite approval and full CEQA review, before commencing any construction activities.

Applicant shall not perform any full facilities-based construction activities without first obtaining an NTP from the Commission Energy Division or authorization by the Commission after the requisite environmental review.

However, the Commission is reviewing CEQA issues affecting telecommunications providers on a broader, policy level in Rulemaking (R.) 00-02-003. Applicant may utilize the above process for obtaining Commission review, and approval or disapproval of, proposed CEQA exemptions unless or until the Commission adopts different requirements applicable to Applicant in R.00-02-003 or a subsequent proceeding.

IV. Conclusion

We conclude that the application conforms to our rules for authority to provide full facilities-based local exchange and interexchange telecommunications services. Accordingly, we shall approve the application subject to the terms and conditions set forth herein.

V. Request to File Under Seal

Applicant requests that the financial information filed as Exhibits 2, 3, and 4 to this application be filed under seal. The financial information consists of Applicant's financial statements and financial documentation. We have granted similar requests in the past, and we grant Applicant's request here.

VI. Categorization and Need for Hearings

In Resolution ALJ 176-3157 dated August 25, 2005, the Commission preliminarily categorized this proceeding as ratesetting, and preliminarily determined that hearings were not necessary. No protests have been received. There is no apparent reason why the application should not be granted. Given these developments, a public hearing is not necessary, and it is not necessary to disturb the preliminary determinations.

VII. Comments on the Draft Decision

No protests were filed in this proceeding. Therefore, this is an uncontested matter in which the decision grants the relief requested. Accordingly, pursuant to Pub. Util. Code § 311(g)(2), the otherwise applicable 30-day period for public review and comment is being waived.

VIII. Assignment of Proceeding

John A. Bohn is the Assigned Commissioner and Myra J. Prestidge is the assigned Administrative Law Judge in this proceeding.

Findings of Fact

1. Notice of this application appeared in the Daily Calendar on August 26, 2005.
2. No protests were filed.
3. Hearings are not required.
4. Applicant seeks expansion of its existing CPCN to obtain authorization to provide full facilities-based local exchange and interexchange services by installing and operating DAS facilities.
5. The Commission is the Lead Agency for this project under CEQA.
6. Applicant filed a supplement to its application on November 2, 2005, which provided detailed information on the degree to which its planned outside construction implicates CEQA.
7. Applicant contends that its business activities associated with the installation of its DAS facilities are of such a limited nature that they should

potentially qualify for a number of categorical exemptions available under CEQA.

8. Applicant has proposed a procedure, in which Applicant would notify Commission Energy Division staff of the claimed CEQA exemptions and Commission Energy Division staff would review and act upon Applicant's claimed CEQA exemptions.

9. Applicant has provided a detailed list of existing CEQA categorical exemptions that would potentially apply to the installation of DAS facilities.

10. Applicant's proposed facilities-based project activities are of a limited nature and would in almost all circumstances be highly likely to qualify for an exemption from CEQA.

11. Applicant's proposed process for reviewing the applicability of the CEQA exemptions for DAS facilities-based projects, as modified in this decision, is adequate for the Commission's purposes as the CEQA Lead Agency and is in the public interest.

12. The Commission is reviewing CEQA issues related to telecommunications providers on a broader, policy basis in R.00-02-003.

13. As part of its second supplement to the application, Applicant submitted a draft of its initial tariffs that contained the deficiencies identified in Attachment A to this decision. Except for these deficiencies, Applicant's draft tariffs complied with the Commission's requirements.

14. Applicant has met the requirements for issuance of a CPCN authorizing the provision of full facilities-based local exchange and interexchange services.

Conclusions of Law

1. Except for the requirement for additional environmental (CEQA) review, the requirements for a full facilities-based CPCN are generally the same as for a limited facilities-based CPCN.

2. Applicant's description of its future construction projects and proposed process for Commission review of claimed CEQA exemptions for these projects,

as described above, meet the requirements of CEQA, based on the specific facts of this case.

3. If the Commission subsequently adopts different requirements for review of claimed CEQA exemptions for telecommunications carriers generally in R.00-02-003 or a subsequent proceeding, Applicant should be subject to those requirements, as applicable.

4. Public convenience and necessity require Applicant's full facilities-based local exchange and interexchange services to be offered to the public subject to the terms and conditions set forth herein.

5. The application should be approved.

6. Upon approval of the application, Applicant should be subject to the applicable Commission rules, decisions, General Orders, and statutes that pertain to California public utilities.

7. Applicant should remain subject to the requirement of D.05-07-004, its licensing decision.

8. Applicant's request to file its financial information under seal should be granted, to the extent set forth below.

9. Because of the public interest in competitive local exchange services, the following order should be effective immediately.

O R D E R

IT IS ORDERED that:

1. A certificate of public convenience and necessity (CPCN) is granted to ClearLinx Network Corporation (Applicant) to operate as a full facilities-based provider of local exchange services in the service territories of Pacific Bell Telephone Company, Verizon California Inc., SureWest Telephone, and Citizens Telephone Company and interexchange services statewide, subject to the terms and conditions set forth below. This authorization expands Applicant's existing authority to provide limited facilities-based interexchange services in this state.

2. Applicant is authorized to construct the facilities addressed in this decision only upon receiving prior Commission approval.

3. The staff of the Commission Energy Division is authorized to review, process, and act upon Applicant's requests for a determination that its full facilities-based construction activities are exempt from the requirements of the California Environmental Quality Act (CEQA).

4. If Applicant wishes to engage in full facilities-based construction activities and believes that these activities are exempt from CEQA, Applicant shall first apply to the Commission Energy Division staff for a determination of exemption from CEQA using the following procedure:

- Applicant will provide the Commission Energy Division with:
 - A detailed description of the proposed project, including:
 - Customer(s) to be served;
 - The precise location of the proposed construction project; and
 - Regional and local site maps.
 - A description of the environmental setting, including at a minimum:
 - Cultural, historical, and paleontologic resources;
 - Biological resources; and
 - Current land use and zoning.
 - A construction workplan, including:
 - Commission Preconstruction Survey Checklist—Archaeological Resources;
 - Commission Preconstruction Survey Checklist—Biological Resources;
 - A detailed schedule of construction activities, including site restoration activities;
 - A description of construction/installation techniques;

- A list of other agencies contacted with respect to siting, land use planning, and environmental resource issues, including contact information; and
 - A list of permits required for the proposed project.
 - A statement of the CEQA exemption(s) claimed to apply to the proposed project; and
 - Documentation supporting the finding of exemption from CEQA.
- The Commission Energy Division will then review the submittal and notify Applicant of either its approval or its denial of Applicant's claim for exemption from CEQA review within 21 days from the time that Applicant's submittal is complete.
 - If the Commission Energy Division approves Applicant's claimed CEQA exemption(s), the staff will prepare a Notice to Proceed and file a Notice of Exemption with the State Clearinghouse, Office of Planning and Research.
 - If the Commission Energy Division disapproves Applicant's claimed CEQA exemptions, the staff will issue to Applicant a letter which states the specific reasons that the claimed CEQA exemptions do not apply to the proposed project.
 - If the Commission Energy Division disapproves Applicant's claimed CEQA exemption(s), Applicant shall either re-design the specific project and facilities and then reapply for a finding of exemption from CEQA, or file a formal application with the Commission seeking the requisite approval and full CEQA review, before commencing any full facilities-based construction activities.
5. Applicant shall not engage in any construction activity relating to a pending CEQA exemption request before receiving an NTP from Commission Energy Division staff.
6. If the Commission adopts different requirements for obtaining Commission review of proposed CEQA exemptions applicable to Applicant in Rulemaking 00-02-003 or a subsequent proceeding, Applicant shall be subject to those requirements.

7. Applicant remains subject to the requirements of Decision 05-07-004, which granted Applicant a CPCN authorizing the provision of interexchange services.

8. Applicant is authorized to file tariff schedules for the provision of competitive local exchange services. Applicant may not offer competitive local exchange services until tariffs are on file. Applicant's initial filing shall be made in accordance with General Order (GO) 96-A, excluding Sections IV, V, and VI, and shall correct the deficiency noted in Attachment A. The tariffs shall be effective not less than one day after approval by the Commission's Telecommunications Division. Applicant shall comply with its tariffs.

9. The certificate granted and the authority to render service under the rates, charges, and rules authorized herein will expire if not exercised within 12 months after the effective date of this order.

10. The corporate identification number assigned to Applicant, U-6959-C, shall be included in the caption of all original filings with this Commission, and in the titles of other pleadings filed in existing cases.

11. Applicant shall comply with all applicable rules adopted in the Local Exchange Competition proceeding (Rulemaking 95-04-043/ Investigation 95-04-044), as well as all other applicable Commission rules, decisions, GOs, and statutes that pertain to California public utilities, subject to the exemptions granted in this decision.

12. Applicant shall comply with the requirements applicable to competitive local exchange carriers included in Attachments B, C, and D to this decision.

13. Applicant's financial statements and information filed as Exhibits 2, 3, and 4 to the application shall be filed under seal and shall remain under seal for a period of two years after the date of this order. During this two-year period, the information filed as Exhibits 2, 3, and 4 to the application shall remain under seal and shall not be viewed by any person other than the Assigned Commissioner, the assigned Administrative Law Judge (ALJ), the Assistant Chief ALJ, or the Chief ALJ, except as agreed to in writing by Applicant or as ordered by a court of competent jurisdiction. If Applicant believes that it is necessary for this

information to remain under seal for longer than two years, Applicant shall file a new motion at least 30 days before the expiration of this limited protective order.

14. Application 05-07-025 is closed.

This order is effective today.

Dated April 27, 2006, at San Francisco, California.

MICHAEL R. PEEVEY
President
GEOFFREY F. BROWN
DIAN M. GRUENEICH
JOHN A. BOHN
RACHELLE B. CHONG
Commissioners

ATTACHMENT A

List of deficiencies filed by ClearLinx Network Corporation in A.05-07-025 and to be corrected in its Tariff Compliance filing:

1. Sheet 6: Include the actual service area map in the tariff.
2. Sheet 26: Include the following in the CLC tariff: "Pursuant to Resolution T-16901, all telecommunications carriers are required to apply CPUC mandated Public Program surcharge rates (excluding (a) Universal Lifeline Telephone Service (ULTS) billings; (b) charges to other certificated carriers for services that are to be resold; (c) coin sent paid telephone calls (coin in box) and debit card calls; (d) customer-specific contracts effective before 9/15/94; (e) usage charges for coin-operated pay telephones; (f) directory advertising; and (g) one-way radio paging) and the CPUC Reimbursement Fee rate (excluding (a) directory advertising and sales; (b) terminal equipment sales; (c) inter-utility sales) to intrastate services. For a list of the Public Program surcharges and Reimbursement Fee, and the amounts, please refer to the Pacific Bell (d.b.a. SBC California) tariffs."

(END OF ATTACHMENT A)

ATTACHMENT B

REQUIREMENTS APPLICABLE TO COMPETITIVE LOCAL EXCHANGE CARRIERS

1. Applicant shall file, in this docket, a written acceptance of the certificate granted in this proceeding within 30 days of the effective date of this order.
2. Applicant is subject to the following fee and surcharges that must be regularly remitted per the instructions in Appendix E to Decision (D.) 00-10-028. The Combined California PUC Telephone Surcharge Transmittal Form must be submitted even if the amount due is zero.
 - a. The current 1.29% surcharge applicable to all intrastate services except for those excluded by D.94-09-065, as modified by D.95-02-050, to fund the Universal Lifeline Telephone Service Trust Administrative Committee Fund (Pub. Util. Code § 879; Resolution T-16966, dated December 1, 2005, effective January 1, 2006);
 - b. The current 0.27% surcharge applicable to all intrastate services except for those excluded by D.94-09-065, as modified by D.95-02-050, to fund the California Relay Service and Communications Devices Fund (Pub. Util. Code § 2881; D.98-12-073 and Resolution T-16965, dated December 1, 2005, effective January 1, 2006);
 - c. The user fee provided in Pub. Util. Code §§ 431-435, which is 0.11% of gross intrastate revenue (Resolution M-4816, dated March 15, 2006, effective April 1, 2006);
 - d. The current 0.21% surcharge applicable to all intrastate services except for those excluded by D.94-09-065, as modified by D.95-02-050, to fund the California High Cost Fund-A (Pub. Util. Code § 739.3; D.96-10-066, pp. 3-4, App. B, Rule 1.C; Resolution T-16963, dated December 1, 2005, effective January 1, 2006);

- e. The current 2.00% surcharge applicable to all intrastate services except for those excluded by D.94-09-065, as modified by D.95-02-050, to fund the California High Cost Fund-B (D.96-10-066, p. 191, App. B, Rule 6.F.; Resolution T-16964, dated December 1, 2005, effective January 1, 2006); and
- f. The current 0.13% surcharge applicable to all intrastate services except for those excluded by D.94-09-065, as modified by D.95-02-050, to fund the California Teleconnect Fund (D.96-10--066, p. 88, App. B, Rule 8.G; Resolution T-16888, dated December 1, 2005, effective January 1, 2006).

Note: These fees change periodically. In compliance with Resolution T-16901, December 2, 2004, Applicant should check the joint tariff for surcharges and fees filed by Pacific Bell (dba SBC California) and apply the current surcharge and fee amounts in that joint tariff on end-user bills until further revised.

3. Applicant is a competitive local exchange carrier (CLC). The effectiveness of its future tariffs is subject to the schedules set forth in Appendix C, Section 4.E of D.95-12-056:

"E. CLCs shall be subject to the following tariff and contract filing, revision and service pricing standards:

- "(1) Uniform rate reductions for existing tariff services shall become effective on five (5) working days' notice to the Commission. Customer notification is not required for rate decreases.
- "(2) Uniform major rate increases for existing tariff services shall become effective on thirty (30) days' notice to the Commission, and shall require bill inserts, or a message on the bill itself, or first class mail notice to customers at least 30 days in advance of the pending rate increase.
- "(3) Uniform minor rate increases, as defined in D.90-11-029, shall become effective on not less than five (5) working days' notice to the Commission. Customer notification is not required for such minor rate increases.

"(4) Advice letter filings for new services and for all other types of tariff revisions, except changes in text not affecting rates or relocations of text in the tariff schedules, shall become effective on forty (40) days' notice to the Commission.

"(5) Advice letter filings revising the text or location of text material which do not result in an increase in any rate or charge shall become effective on not less than five (5) days' notice to the Commission.

"(6) Contracts shall be subject to GO 96-A rules for NDIECs, except interconnection contracts.

"(7) CLCs shall file tariffs in accordance with PU Code Section 876."

4. Applicant may deviate from the following provisions of GO 96-A: (a) paragraph II.C.(1)(b), which requires consecutive sheet numbering and prohibits the reuse of sheet numbers; and (b) paragraph II.C.(4), which requires that "a separate sheet or series of sheets should be used for each rule." Tariff filings incorporating these deviations shall be subject to the approval of the Commission's Telecommunications Division. Tariff filings shall reflect all fees and surcharges to which Applicant is subject, as reflected in 2 above.

5. Applicant shall file a service area map as part of its initial tariff.

6. Prior to initiating service, Applicant shall provide the Commission's Consumer Affairs Branch with the name and address of its designated contact person(s) for purposes of resolving consumer complaints. This information shall be updated if the name or telephone number changes, or at least annually.

7. Applicant shall notify the Director of the Telecommunications Division in writing of the date that local exchange service is first rendered to the public, no later than five days after service first begins.

8. Applicant shall notify the Director of the Telecommunications Division in writing of the date interLATA service is first rendered to the public within

five days after service begins, and again within five days after intraLATA service begins.¹

9. Applicant shall keep its books and records in accordance with the Generally Accepted Accounting Principles.

10. In the event Applicant's books and records are required for inspection by the Commission or its staff, it shall either produce such records at the Commission's offices or reimburse the Commission for the reasonable costs incurred in having Commission staff travel to its office.

11. Applicant shall file an annual report with the Director of the Telecommunications Division, in compliance with GO 104-A, on a calendar-year basis with the information contained in Attachment C to this decision.

12. Applicant shall file an affiliate transaction report with the Director of the Telecommunications Division, in compliance with D.93-02-019, on a calendar-year basis using the form contained in Attachment D.

13. Applicant shall ensure that its employees comply with the provisions of Pub. Util. Code § 2889.5 regarding solicitation of customers.

14. Within 60 days of the effective date of this order, Applicant shall comply with Pub. Util. Code § 708, Employee Identification Cards, and notify the Director of the Telecommunications Division in writing of its compliance.

15. If Applicant is 90 days or more late in filing an annual report, or in remitting the surcharges and fee listed in 2 above, the Telecommunications Division shall prepare for Commission consideration a resolution that revokes Applicant's CPCN unless it has received written permission from the Telecommunications Division to file or remit late.

¹ California is divided into ten Local Access and Transport Areas (LATAs), each containing numerous local telephone exchanges. InterLATA describes services, revenues and functions relating to telecommunications originating within one LATA and terminating in another LATA. IntraLATA describes services, revenues and functions relating to telecommunications originating within a single LATA.

16. Applicant is exempt from General Order 96-A, subsections III.G (1) and (2), and Rule 18(b) of the Commission's Rules of Practice and Procedure.
17. Applicant is exempt from Pub. Util. Code §§ 816-830.
18. Applicant is exempt from the requirements of Pub. Util. Code § 851 for the transfer or encumbrance of property whenever such transfer or encumbrance serves to secure debt.
19. If Applicant decides to discontinue service or file for bankruptcy, it shall immediately notify the Telecommunications Division's Bankruptcy Coordinator.
20. Applicant shall send a copy of this decision to concerned local permitting agencies not later than 30 days from the date of this order.

(END OF ATTACHMENT B)

**ATTACHMENT C
ANNUAL REPORT**

An original and a machine readable, copy using Microsoft Word or compatible format shall be filed with the California Public Utilities Commission, 505 Van Ness Avenue, Room 3107, San Francisco, CA 94102-3298, no later than March 31st of the year following the calendar year for which the annual report is submitted.

Failure to file this information on time may result in a penalty as provided for in Sections 2107 and 2108 of the Public Utilities Code.

Required information:

1. Exact legal name and U # of the reporting utility.
2. Address.
3. Name, title, address, and telephone number of the person to be contacted concerning the reported information.
4. Name and title of the officer having custody of the general books of account and the address of the office where such books are kept.
5. Type of organization (e.g., corporation, partnership, sole proprietorship, etc.).
If incorporated, specify:
 - a. Date of filing articles of incorporation with the Secretary of State.
 - b. State in which incorporated.
6. Number and date of the Commission decision granting the Certificate of Public Convenience and Necessity.
7. Date operations were begun.
8. Description of other business activities in which the utility is engaged.
9. List of all affiliated companies and their relationship to the utility. State if affiliate is a:
 - a. Regulated public utility.
 - b. Publicly held corporation.
10. Balance sheet as of December 31st of the year for which information is submitted.
11. Income statement for California operations for the calendar year for which information is submitted.

For answers to any questions concerning this report, call (415) 703-2883.

(END OF ATTACHMENT C)

ATTACHMENT D
CALENDAR YEAR AFFILIATE TRANSACTION REPORT

1. Each utility shall list and provide the following information for each affiliated entity and regulated subsidiary that the utility had during the period covered by the annual Affiliate Transaction report.

- Form of organization (e.g., corporation, partnership, joint venture, strategic alliance, etc.);
- Brief description of business activities engaged in;
- Relationship to the utility (e.g., controlling corporation, subsidiary, regulated subsidiary, affiliate);
- Ownership of the utility (including type and percent ownership);
- Voting rights held by the utility and percent; and
- Corporate officers.

2. The utility shall prepare and submit a corporate organization chart showing any and all corporate relationships between the utility and its affiliated entities and regulated subsidiaries in #1 above. The chart should have the controlling corporation (if any) at the top of the chart; the utility and any subsidiaries and/or affiliates of the controlling corporation in the middle levels of the chart and all secondary subsidiaries and affiliates (e.g., a subsidiary that in turn is owned by another subsidiary and/or affiliate) in the lower levels. Any regulated subsidiary should be clearly noted.

3. For a utility that has individuals who are classified as "controlling corporations" of the competitive utility, the utility must only report under the requirements of #1 and #2 above any affiliated entity that either (a) is a public utility or (b) transacts any business with the utility filing the annual report excluding the provision of tariff services.

4. Each annual report must be signed by a corporate officer of the utility stating under penalty of perjury under the laws of the State of California

(CCP 2015.5) that the annual report is complete and accurate with no material omissions.

5. Any required material that a utility is unable to provide must be reasonably described and the reasons the data cannot be obtained, as well as the efforts expended to obtain the information, must be set forth in the utility's annual Affiliate Transaction Report and verified in accordance with Sections I-F of Decision 93-02-019.

6. Utilities that do not have affiliated entities must file, in lieu of the annual transaction report, an annual statement to the commission stating that the utility had no affiliated entities during the report period. This statement must be signed by a corporate officer of the utility, stating under penalty of perjury under the laws of the State of California (CCP 2015.5) that the annual report is complete and accurate with no material omissions.

(END OF ATTACHMENT D)

NOTICE OAKLAND



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

Location:	City Street light pole in public right-of-way (sidewalk) close to 5821 Pinewood Road (Intersecting Broadway Terrace)
Assessor's Parcel Number(s):	Nearest adjacent lot 048-G7409-013-01
Proposal:	To install new "small cell site" Monopole Wireless Communications Facility to improve services by placing two panel antennae (60.1" high, 14.8" wide and 6.7" deep) at the top of a replaced City Street light pole located in the public Right-of-Way. The existing light pole is 26' and the new pole would be 36'. The antennae would be up to 36'-10" in height and related equipment mounted at a height of 8' and 12' above ground-level.
Applicant / Phone Number:	Ana Gomez/Black & Veatch & Extenet (for: AT&T) (913) 458-9148
Owner:	City of Oakland
Case File Number:	PLN17373
Planning Permits Required:	Major Conditional Use Permit and Regular Design Review with additional findings for Monopole Telecommunications Facility in Residential Zone;
General Plan:	Hillside Residential
Zoning:	Hillside Residential - 4 Zone (RH-4)
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:	NHP
City Council District:	1
Date Filed:	September 18, 2017
Action to be Taken:	Decision based on staff report
Finality of Decision:	Appealable to City Council
For Further Information:	Contact case planner Marilu Garcia at (510) 238-5217 or by email at mgarcia2@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 **October 18, 2017**, at Oakland City Hall, Council Chambers, 1 Frank H. Ogawa Plaza, Oakland, California 94612. The public hearing will start at 6:00 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 regular 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. Except where noted, once a decision is reached by the Planning Commission on these cases, they are appealable to the City Council. **Such appeals must be filed within ten (10) calendar days of 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 same 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 arguments and 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.

POSTING DATE: **September 29, 2017**

IT IS UNLAWFUL TO ALTER OR REMOVE THIS NOTICE WHEN POSTED ON SITE

PLEASE CALL ZONING AT (510) 238-3911. FOR BLIGHT NOTICES, PLEASE CALL (510) 238-6402

ATTACHMENT H





October 2, 2017

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

Re: Public Outreach Summary

Applicant: ExteNet Systems (California) LLC
Nearest Site Address: Public Right of Way near 6628 Broadway Terrace
Site ID: SW-CA-OAKHILLS-ATT Node 00045B
Latitude/Longitude: 37.502964, -122.132746
Planning Application: PLN17373

Dear City Planner,

This week we notified the following groups by sending them the attached project flier:

- Friends of Temescal Creek
- North Hills Community Association

Feel free to contact me if you have any questions. Thank you.

Best Regards,

Ana Gomez/RV for ExteneNet

Ana Gomez
ExteneNet Permitting Contractor



ExteneNet is improving wireless service in Oakland!

July 4, 2017

ExteneNet Systems is a neutral host telecommunications infrastructure provider that is working to improve wireless service in Oakland.

We will soon be proposing to install fiberoptic cables and state-of-the-art small cell wireless facilities at existing telephone pole and light pole locations in the Oakland public right-of-way.

Telecommunications carriers transmit their signal through ExteneNet's facilities to improve wireless voice, data, and public safety connectivity.

Although experiences with wireless services vary based on specific location and usage times, the wireless service proposed by this infrastructure will help meet existing, fluctuating and future demands.

Please see attached examples of actual ExteneNet facilities like the ones we will be proposing in Oakland.

Want to learn more?

Please visit <http://www.extenetsystems.com/> or email clindsay@extenetsystems.com.

