

**Jomsky, Mark**

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**From:** Tyler, Sid  
**Sent:** Sunday, April 29, 2007 5:38 PM  
**To:** Jomsky, Mark  
**Subject:** FW: cell towers

Correspondence for Item 6.C. Public Hearing.

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**From:** Ellen Knell [mailto:eknell@ix.netcom.com]  
**Sent:** Sun 4/29/2007 5:18 PM  
**To:** Tyler, Sid  
**Subject:** cell towers

I hope this can be read at the meeting, or at least entered into some file when the decision is being made.  
thanks, Ellen

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Dear Pasadena City Council members,

I spoke at the recent planning commission hearing against a cell phone tower in a residential neighborhood and I want to reiterate some of my points, as I am not able to attend this evening. I received a letter that the request by T-mobile was denied, so am surprised that this issue is once again being heard.

1. The T-mobile representative said that the radius for reception is 2 blocks. That is extraordinary, as then each and every cell phone company would need a cell tower about every 4 blocks. Think of our neighborhoods with these often unsightly towers. Right now there are about 8 cell phone companies, but could be more in the ensuing months. We will have a proliferation of these towers without any planning or limits. I urge you, as our representatives, to come up with a policy before allowing any more towers.
2. The T-mobile representative said they are not an eyesore, which is obviously a matter of opinion, and mine differs.
3. He also stated that there is no health issue with the emissions from these towers. By many there is a perceived health risk, which is important to consider before placement in a residential neighborhood. In addition, we often have considered a substance benign, only to later understand that there were serious health risks. Examples include asbestos and radiation. As a geneticist who specializes in Cancer Risk Assessment, my clients often blame perceived environmental hazards as the cause of their cancer. Perception is extremely important and people used to fear various things we now accept as safe, such as electricity, or microwave ovens. As a city, we should err on the conservative side of these issues, especially when babies and young children could have 24 hour exposure, unlike commercial areas.

Ellen Knell, PhD  
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April 24, 2007

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**VIA HAND-DELIVERY**

Bill Bogaard, Mayor  
and Members of the City Council  
City of Pasadena  
117 E. Colorado Boulevard  
Pasadena, CA 91105

**Re: Minor Conditional Use Permit No. 4808 (Oak Knoll Avenue/Alpine Street Right-of-Way)**

Dear Mayor Bogaard and Members of the City Council:

This law firm represents Omnipoint Communications, Inc. ("Omnipoint"), a subsidiary of T-Mobile USA, Inc., the applicant for Minor Conditional Use Permit No. 4808. Specifically, the purpose of the permit is to allow installation of an Omnipoint co-location wireless telecommunications facility, to be located in the public right-of-way on Oak Knoll avenue near Alpine Street. (Exhibit 1 hereto, "before and after" photosimulations, and Exhibit 2, the project construction drawings.)

Based on the recommendation of the Zoning Administrator, the Hearing Officer approved the facility on January 17, 2007. After an appeal by nearby residents to the Board of Zoning Appeals ("BZA"), the BZA rejected the decision of the Hearing Officer *and* the March 21, 2007 staff recommendation of approval, and denied Omnipoint's application.

It is our hope, by this letter and by the materials provided by Omnipoint and its contractors, to persuade the City Council to overturn the decision of the BZA, accept the previous staff recommendations, and affirm the decision of the Hearing Officer.

As noted by the staff in its report of March 21:

The application is to allow the replacement of an existing 29'-6" street light pole with a new street light pole with the same height and design with the addition of a five-foot tall and 6-inch diameter

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wireless telecommunications antenna on top. Also included is the installation of related mechanical equipment at grade and below grade. A minor conditional use permit is required for all co-located wireless telecommunications facilities.

Staff recommended the application be approved because: 1) as a co-located wireless facility it is allowed through a minor conditional use permit; 2) the design of the new street light pole is conditioned by the Public Works Department to be identical in appearance to the existing pole; 3) the height of the power meter is conditioned by the Public Works Department to be no higher than the grade of Oak Knoll Avenue; 4) and its wireless emissions will be significantly below the level allowed by the Federal Communications Commission.

The BZA rejected the staff recommendation and decision of the Hearing Officer on the ground that the City has no master plan for siting of telecommunications facilities in residential areas, as well as on aesthetic grounds. With due respect for the BZA, there is no lawful basis for the denial of Omnipoint's application.

## 1. INTRODUCTION.

The City Council is asked to overturn the decision of the BZA, accept the staff recommendation, and affirm the decision of the Hearing Officer for the following reasons, among others:

(a) *The Federal Telecommunications Act of 1996 ("Telecom Act") Expressly Prohibits Regulation of the Placement of Wireless Telecommunications Facilities on the Basis of Radio Frequency ("RF") Emissions:* Omnipoint has demonstrated that RF emissions from the Project will fall far below FCC safety thresholds. While the BZA did not cite RF emissions as a basis for the denial, it can be inferred from the record of proceedings that the BZA was heavily influenced by resident comment on that issue. Federal law expressly precludes any local regulation of wireless telecommunications facilities on such grounds. A local government agency therefore may not consider testimony concerning RF emissions.

(b) *The Telecom Act Precludes Local Regulations That Prohibit, or Have the Effect of Prohibiting, Wireless Services:* Omnipoint has demonstrated that the Project is the least intrusive means by which to close a significant gap in its wireless telecommunications service. The denial of Omnipoint's permit application constitutes a prohibition of service, in violation of § 332(c)(7)(B)(i)(II) of the Telecom Act.

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Further, § 253(a) proscribes regulation of telecommunications facilities siting on the basis of precisely the kind of open-ended criteria cited in the BZA finding, and set forth in the City's zoning code, at sections 17.50.310 and 17.61.050 (A), (H) and (I).

(c) *The Telecom Act Requires Local Governments to Base Permit Application Denials on Substantial Evidence*: Denials of permit applications must be based on substantial evidence. 47 U.S.C. § 332(c)(7)(B)(ii). The BZA's finding on the matter of general plan and specific plan inconsistency is both unsupported and unexplained, and therefore cannot constitute substantial evidence in support of the denial. Likewise, the aesthetic factors cited in support of the finding cannot provide the necessary substantial evidence, as discussed more fully below.

## **2. THE TELECOM ACT FORBIDS REGULATION OF THE PLACEMENT OF WIRELESS TELECOMMUNICATIONS FACILITIES ON THE BASIS OF PERCEIVED ENVIRONMENTAL EFFECTS OF RF EMISSIONS.**

The Telecom Act expressly forbids regulation of "the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions." 47 U.S.C. § 332(c)(7)(B)(iv). The courts have made clear that "Congress intended federal regulation of [RF] issues to be so pervasive as to occupy the field." *Southwestern Bell v. Johnson County B.D.*, 199 F.3d 1185, 1193 (10th Cir. 1999); *Sprint Spectrum L.P. v. Mills*, 124 F.Supp.2d 211, 218 (S.D.N.Y. 2000). This means that the FCC's regulation over RF emissions is exclusive and therefore results in a *total* preemption of any state and local law which purports to regulate in this area. *Ibid*; see also *Southwestern Bell v. Johnson County B.D.*, *supra*, 199 F.3d at 1193 (discussing preemptive effect of FCC regulation of RF emissions).

Accordingly, local jurisdictions may not: (a) require compliance with RF emission standards; (b) enact more stringent RF emission standards; (c) regulate modification of wireless facilities on the basis of RF emissions; (d) regulate construction of wireless facilities on the basis of RF emissions; or (e) regulate the siting of wireless facilities on the basis of perceived environmental effects of RF emissions. *Sprint Spectrum L.P. v. Mills*, *supra*, 124 F.Supp.2d at 217-18; 47 U.S.C. § 332(c)(7)(B)(iv).

The Project will comply with FCC RF safety standards, as Omnipoint has demonstrated. Omnipoint is therefore protected by the preemptive effects of § 332 of the Telecom Act; any aspect of the City's regulation of Omnipoint's facility on the basis of RF emissions is preempted and unenforceable. *Ibid*. Accordingly, the City Council may not consider concerns voiced by project opponents over the perceived environmental effects of RF emissions, as I am sure your attorney will advise you.

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### 3. THE TELECOM ACT BARS LOCAL GOVERNMENTS FROM PROHIBITING THE PROVISION OF PERSONAL WIRELESS SERVICES.

The Telecom Act bars state and local governments from prohibiting the provision of personal wireless services. 47 U.S.C. § 332(c)(7)(B)(i)(II); § 253(a). The Ninth Circuit U.S. Court of Appeals has determined that a prohibition of service under section 332(c)(7)(B)(i)(II) of the Telecom Act exists where (a) a provider has a significant gap in its service coverage; and (b) the provider has proposed the “least intrusive” means to fill the significant gap. See *MetroPCS, Inc. v. City and County of San Francisco*, 400 F.3d 715, 731-34 (9th Cir. 2005). In this case, Omnipoint has demonstrated both the existence of a “significant gap” in coverage, and that it has proposed the “least intrusive” means to fill that gap. (Exhibit 3, the coverage maps, and Exhibit 4, an aerial photo demonstrating that the only places available for satisfaction of Omnipoint’s coverage need are in residential areas.)

The Ninth Circuit has also rejected, as constituting a prohibition of service, the kind of open-ended discretion described in the City’s zoning ordinance. *Sprint Telephony PCS, L.P. v. County of San Diego*, \_\_\_ F.3d \_\_\_, 2007 WL 738493 (9th Cir. 2007)

#### A. *Omnipoint Has a Significant Gap in Service.*

Selection of sites for the installation of wireless facilities is “locationally dependent,” meaning that the location of new sites is driven by the location of existing sites in the network chain. This is because the distance over which the low-power signals emitted by such facilities extend is limited to a geographically small area, or “cell.” An overlapping patchwork of such cells is needed to provide consistent coverage over a larger geographical area. As the caller moves through cells, one cell relays its signal to the next. Where there is a “gap” in this pattern, a call is either “dropped” (disconnected) or “blocked” (never connected), resulting in a failure of the network. See *Sprint Spectrum L.P. v. Jefferson County*, 968 F.Supp. 1457 (N.D. Ala. 1997) (describing wireless telecommunications coverage in the context of the Telecom Act). Consequently, the lack of one site can lead to significant gaps in service. Currently, coverage within the area to be covered by the Project is below industry standards.

#### B. *Omnipoint Has Chosen the Least Intrusive Means of Filling Its Significant Gap.*

Once a wireless service provider demonstrates a significant gap, it must make a showing that it has selected the least intrusive means of filling that gap. *MetroPCS, Inc. v. City and County of San Francisco*, *supra*, 400 F.3d at 734. A carrier need not demonstrate that its proposed facility is the *only* viable option. *Ibid.* The carrier need only show that “the manner in which it proposes to fill the significant gap in service is the *least intrusive on the values the denial sought to serve.*” *Ibid.*, emphasis in original.

The BZA finding cites avoidance of general plan and specific plan inconsistency as one basis for the denial, but does not specify the general plan or specific plan policies and

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standards that prohibit the placement of telecommunications facilities in residential areas. Indeed, the City's zoning ordinance provides that telecommunications facilities are a conditionally permitted use in this residentially-zoned area. Is it the City's position that the City's own zoning ordinance is inconsistent with the general plan and specific plan?

Further, the photosimulations submitted by Omnipoint demonstrate that the proposed facility will have virtually non-existent aesthetic effects. Aesthetic effects do not, in any event, provide a legal basis for rejecting Omnipoint's application for installation of this right-of-way facility. The Project proposes the least intrusive means by which to fill Omnipoint's demonstrated gap in service.

**C. *A Denial of the Proposed Facility on Open-Ended Aesthetic Grounds Constitutes a Prohibition of Service, in Violation of § 253(a) of the Telecom Act.***

Section 253 bans local regulations which "prohibit" or "may have the effect of prohibiting the ability of any entity to provide any interstate or intrastate telecommunications service." 47 U.S.C. § 253(a). The Ninth Circuit has stated that such preemptive language "is virtually absolute" and that the role of municipalities in the arena therefore is "very limited and proscribed." *City of Auburn v. Qwest Communications* (9th Cir. 2001) 260 F.3d 1160, 1175. Among other things, the preemptive language of section 253 proscribes broad exercises of discretion by local municipalities on the basis of open-ended criteria. *Id.* at 1176.

Here, Omnipoint has proposed a co-location stealth facility that is as visually unobtrusive as possible, given Omnipoint's technical constraints. A denial of this Project, based on the kind of open-ended, subjective criteria cited in the BZA finding, and described in the City's zoning ordinance at sections 17.50.310 and 17.61.050 (A), (H) and (I), will constitute a prohibition of service in violation of section 253(a). *Cox Communications PCS, L.P. v. City of San Marcos* (S.D. Cal. 2002) 204 F. Supp. 2d 1260, 1265-66; *Sprint Telephony PCS, L.P. v. County of San Diego*, \_\_\_ F.3d \_\_\_, 2007 WL 738493 (9th Cir. 2007).

**4. THE CITY IS REQUIRED TO BASE DENIALS OF PERMIT APPLICATIONS ON SUBSTANTIAL EVIDENCE.**

Section 332 of the federal Telecommunications Act of 1996 ("Telecom Act") states, in relevant part:

Any decision by a State or local government or instrumentality thereof to deny a request to place, construct, or modify personal wireless service facilities shall be in writing and supported by substantial evidence contained in a written record.

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47 U.S.C. § 332(c)(7)(B)(ii). The courts have interpreted this to mean that any denial of “a request to place, construct, or modify personal wireless service facilities” must: (a) be separate from the written record; (b) describe the reasons for the denial; and (c) contain a sufficient explanation of the reasons for the denial to allow a reviewing court to evaluate the evidence in the record that supports those reasons. *New Par v. City of Saginaw*, 301 F.3d 390, 395-396 (6th Cir. 2002). Each reason for denial must be supported by substantial evidence in a written record. Along these lines, denials based on “hollow generalities and empty records” are prohibited by the Telecom Act. *Amherst, N.H. v. Omnipoint Communications*, 173 F.3d 9, 16 (1st Cir. 1999). With regard to such generalized and unsupported concerns, one court wrote:

It would completely frustrate the purpose of the [Telecom Act] if the voicing of negative opinions by a small number of citizens, without more, could serve as a basis of denial. Any municipality could defeat the request for a permit by simply making a very limited record that in the opinion of three or four citizens, the tower would blight the landscape. ***Congress did not intend that rejection of a license application could be accomplished on such a sparse record.***

*Iowa Wireless Servs. L.P. v. City of Moline, Ill.*, 29 F. Supp. 2d 915, 922 (C.D. Ill. 1998) (emphasis added); see also *Omnipoint Corp. v. Zoning Hearing Bd.*, 181 F.3d 403, 409 (3rd Cir. 1999) (same principle cited).

**A. No Impacts on Property Values.**

While the BZA denial does not cite alleged impacts on property values as the basis for the denial, many of the residents who opposed Omnipoint’s application cited that concern as the basis for their opposition. In light of the Telecom Act’s goals and prohibitions, the courts have looked negatively on denials of applications based upon purported decreases in property values -- and have summarily rejected denials based solely on generalized property value and aesthetic concerns. See, e.g., *Town of Oyster Bay*, 166 F.3d at 496; *Sprint Spectrum L.P. v. Town of North Stonington*, 12 F. Supp. 2d 247 (D. Conn. 1998). Courts have done so, in part, because the consideration of alleged decreases in property values and aesthetics can too easily serve as a “proxy for the impermissible ground of environmental effects.” *Town of Oyster Bay*, 166 F.3d at 496.

Consistent with the substantial evidence requirement, the courts have repeatedly rejected attempts by local jurisdictions to regulate placement of wireless telecommunications facilities based on generalized or speculative concerns. Instead, they require **evidence** beyond “unsupported and hypothetical potential” for such impacts. See *OPM-USA-Inc. v. Bd. of County Com’rs*, 7 F.Supp.2d 1316, 1324 (M.D.Fla. 1997); see also *Town of Oyster Bay*, 166 F.3d at 496; *Town of North Stonington*, 12 F.Supp.2d at 254.

Omnipoint has, in any event, already provided to the City an expert report on impacts to property values in response to the concerns expressed by the residents. (Exhibit 5.)

**B. *Project Consistent With General Plan and Zoning.***

The references in the BZA finding to general plan and specific plan inconsistency are not explained, as stated above. Where in the general plan or the specific plan is this use prohibited? Clearly, under the City's zoning ordinance the proposed use is a conditionally permitted use in this residential zone. To repeat the question stated above, is it the City's position that the zoning for this area is inconsistent with the general plan and specific plan?

Further, contrary to what the BZA states in its finding, the City's zoning ordinance, as currently constituted, already provides "a comprehensive city-wide plan for the orderly distribution of wireless telecommunications facilities in residential zoning districts." Consistent with the criteria specified in the City's zoning ordinance, the proposed facility will be located on a utility pole on a City street, and will also comply fully with the height limitations specified in § 17.50.310 of the zoning ordinance.

The BZA finding also incorrectly states that the City's approval of Omnipoint's proposed facility would be "precedent-setting," since the precedent was established long ago by the enactment of the zoning ordinance. And, even if it were true that a precedent of some kind is established by the approval of this facility, it is difficult to imagine a better precedent. Omnipoint's proposal represents an ideal model (a co-located, stealth design that complies fully with the City's zoning ordinance) for imitation in the future. The antennas are concealed within an extension of the utility pole; the project will be located in a median in the right-of-way between paved portions of two City streets, maximizing setbacks from all nearby residential property and structures; and all mechanical equipment needed for operation of the facility will be undergrounded, with no above-ground vent stacks, or any above-ground apparatus other than the meter pedestal, which is downslope from the street level and invisible to the primary points of view from the street. (As to the screening wall, Omnipoint is open to reasonable design and landscaping modifications.)

**C. *The City May Not Regulate Access to the Public Rights-of-Way on Aesthetic Grounds.***

Because of the constraints imposed upon the City by §§ 7901 and 7901.1 of the California Public Utilities Code, which grants to telephone corporations such as Omnipoint a state-wide franchise to use the public rights-of-way for deployment of telecommunications systems, the City may not bar Omnipoint's access to the right-of-way on aesthetic grounds. Under § 7901.1, the City may regulate *only* the time, place and manner by which the right of way is accessed. On its face, the statute does not confer upon cities and counties a scope of discretion that reaches aesthetic factors. State law governs the weight to be accorded by the courts to the evidence relied upon by cities and counties in denying applications for the



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installation of telecommunications facilities. *Metro PCS, Inc. v. City and County of San Francisco* 400 F.3d 715, 725 (9th Cir. 2005); see also *Sprint PCS Assets v. City of La Cañada Flintridge*, 448 F.3d 1067, 1069, 1071-72 (9th Cir. 2006). Because aesthetic factors are entitled to no weight under state law, the City's reliance upon aesthetic factors as a basis for denying Omnipoint's application is without the support of substantial evidence.

Even if aesthetic factors were legally relevant, the aesthetic effects of Omnipoint's proposal, as already described, will be nearly non-existent. In addition to the design features described above, and contrary to what is stated in the BZA finding, approval of the proposed facility will not "reduce the ability of the City to add landscaping to the public right-of-way between the street and the sidewalk...." The underground mechanical vault is no different from the bus pads and underground mechanical vaults located throughout the City, and the installation of the facility will in no way inhibit the ability of the City to landscape the unaffected portions of the right-of-way. It is also noteworthy, in any event, that the finding makes no reference to City plans for landscaping of the area.

**D. *The City May Not Require a Conditional Use Permit for Installation of Telecommunications Facilities in the Public Rights-of-Way.***

Finally, the right-of-way franchise system enacted by §§ 7901 and 7901.1 of the Public Utilities Code is fundamentally incompatible with a system of discretionary, conditional permitting. So long as the installation of Omnipoint's facility complies with the limited time, place and manner restrictions authorized under state law, the City is required by law to grant the requested permit; the City may not lawfully require a conditional use permit.

It seems unlikely that the City requires conditional use permits of cable, utilities and landline telephone companies for installation of their facilities in the public rights-of-way. If that is the case, the City's ordinances and policies are discriminatory, in violation of § 332(c)(7)(B)(i)(I), § 7901.1(b), and the equal protection clauses of the California and United States constitutions.

**6. CONCLUSION.**

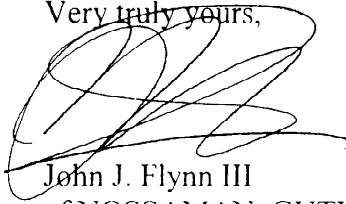
Omnipoint's proposal presents a model facility that complies fully with the City's zoning ordinance, and state and federal law. It is, as stated above, deserving of imitation throughout the City as a co-located stealth facility, having virtually non-existent aesthetic effects. For all the reasons stated above, we respectfully request of the City Council that it overturn the

NOSSAMAN, GUTHNER, KNOX & ELLIOTT, LLP

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decision of the BZA, accept the recommendation of the staff and affirm the decision of the Hearing Officer. Omnipoint submits this letter without waiving the right to present subsequent written communications, or additional arguments at the hearing of the appeal.

Very truly yours,

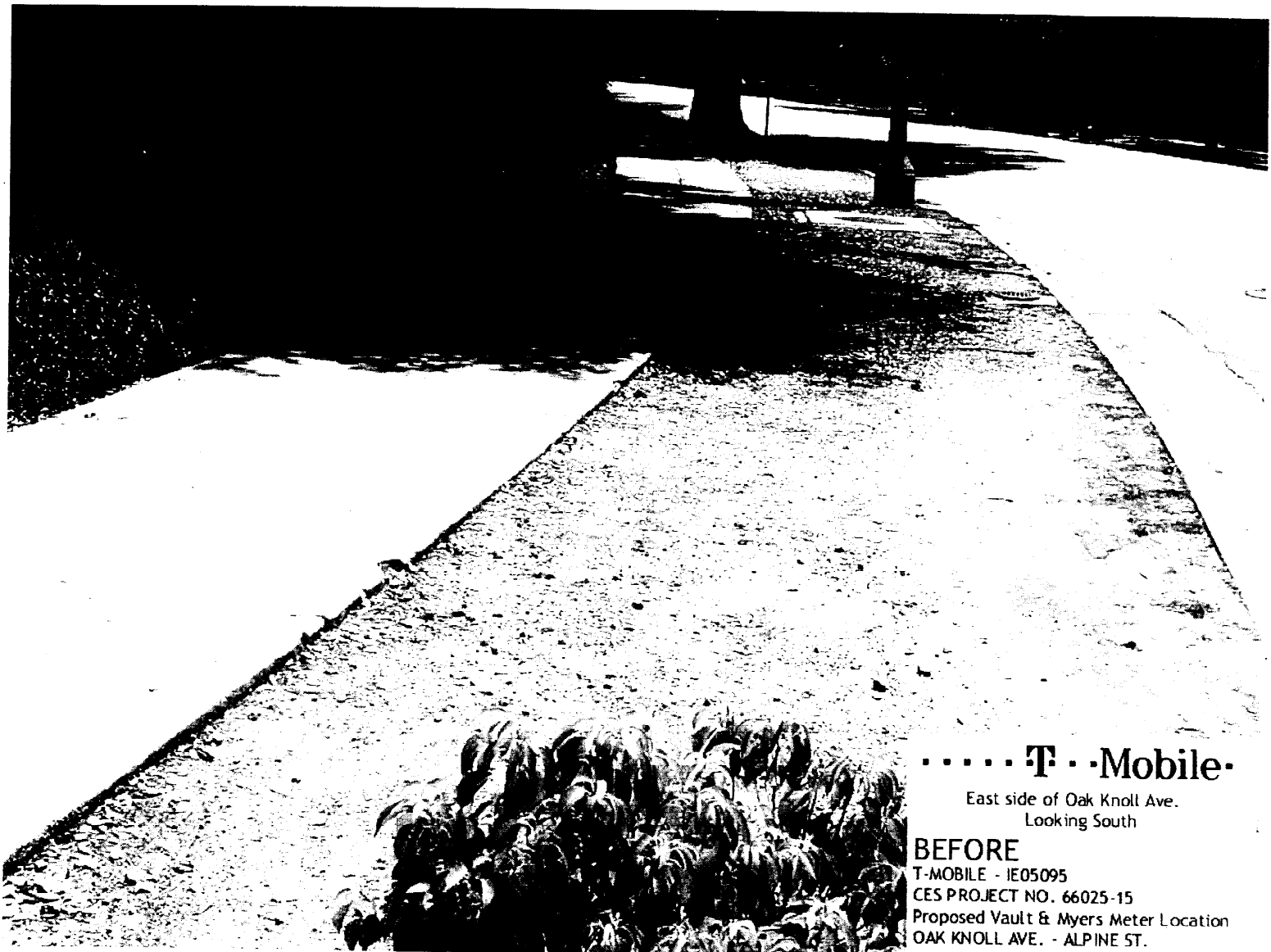
A handwritten signature in black ink, appearing to be "John J. Flynn III", written over the text "Very truly yours,".

John J. Flynn III  
of NOSSAMAN, GUTHNER, KNOX & ELLIOTT, LLP

JJF/rg

Enclosures





.....T-Mobile

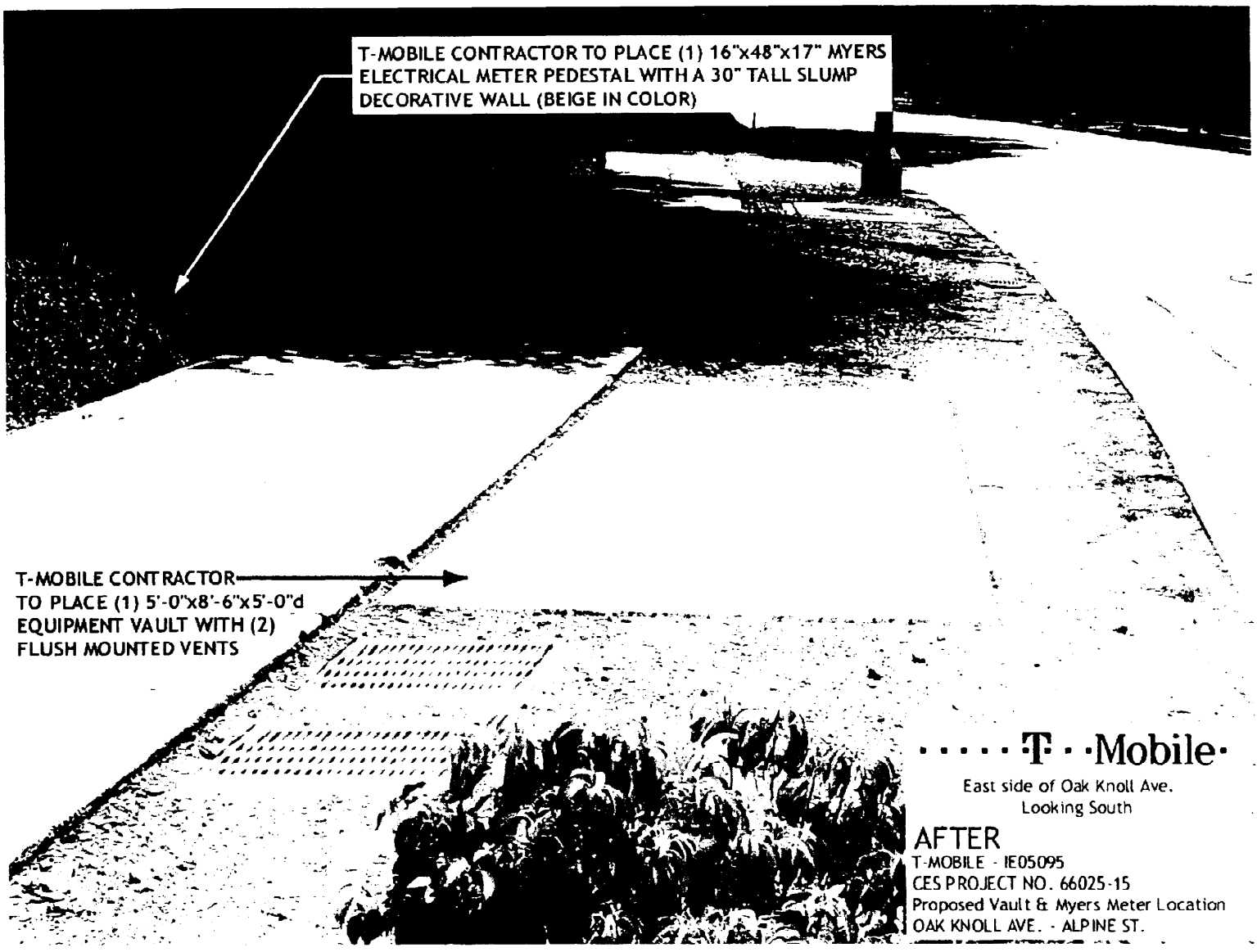
East side of Oak Knoll Ave.  
Looking South

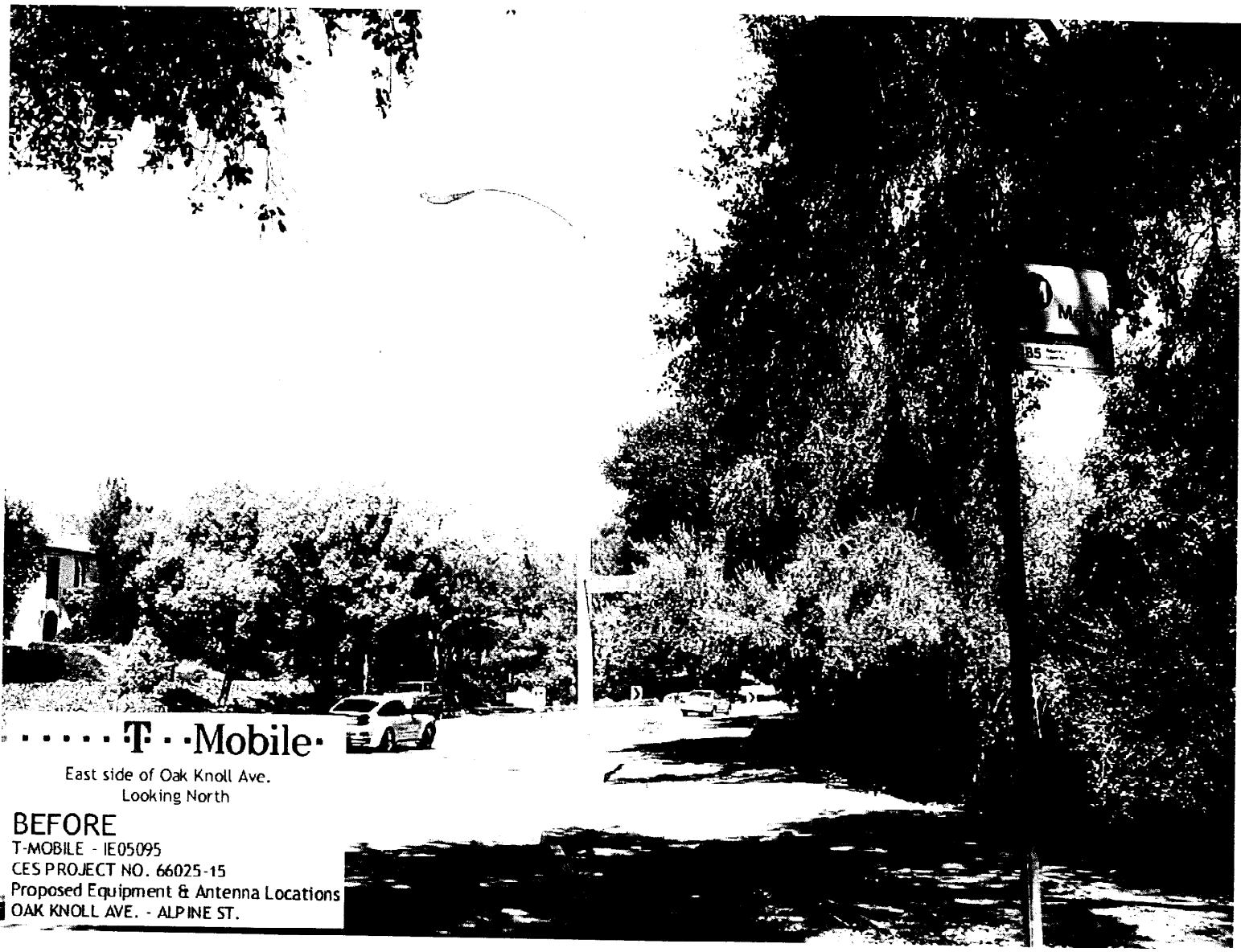
**BEFORE**  
T-MOBILE - IE05095  
CES PROJECT NO. 66025-15  
Proposed Vault & Myers Meter Location  
OAK KNOLL AVE. - ALPINE ST.

T-MOBILE CONTRACTOR TO PLACE (1) 16"x48"x17" MYERS ELECTRICAL METER PEDESTAL WITH A 30" TALL SLUMP DECORATIVE WALL (BEIGE IN COLOR)

T-MOBILE CONTRACTOR TO PLACE (1) 5'-0"x8'-6"x5'-0"d EQUIPMENT VAULT WITH (2) FLUSH MOUNTED VENTS

..... T-Mobile  
East side of Oak Knoll Ave.  
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..... T-Mobile

East side of Oak Knoll Ave.  
Looking North

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OAK KNOLL AVE. - ALPINE ST.

T-MOBILE CONTRACTOR  
TO REMOVE EXIST. ST.  
LIGHT POLE AND REPLACE  
WITH NEW 29'-6" CONCRETE  
ST. LIGHT ANTENNA POLE WITH  
A 6.3" DIA. x 59.4" RADOME

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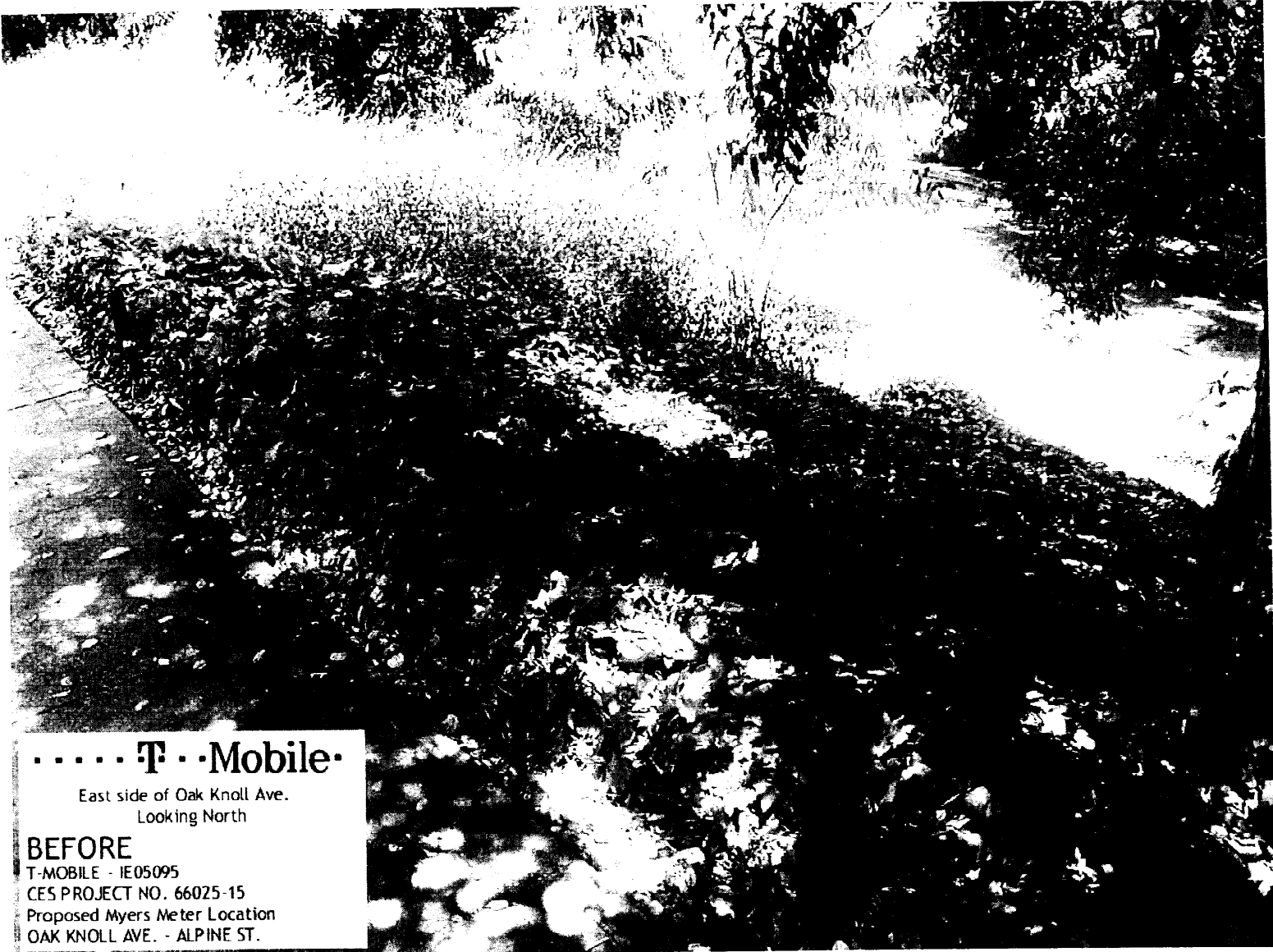
### AFTER

T-MOBILE - IE05095

CES PROJECT NO. 66025-15

Proposed Equipment & Antenna Locations

OAK KNOLL AVE. - ALPINE ST.



.....T-Mobile

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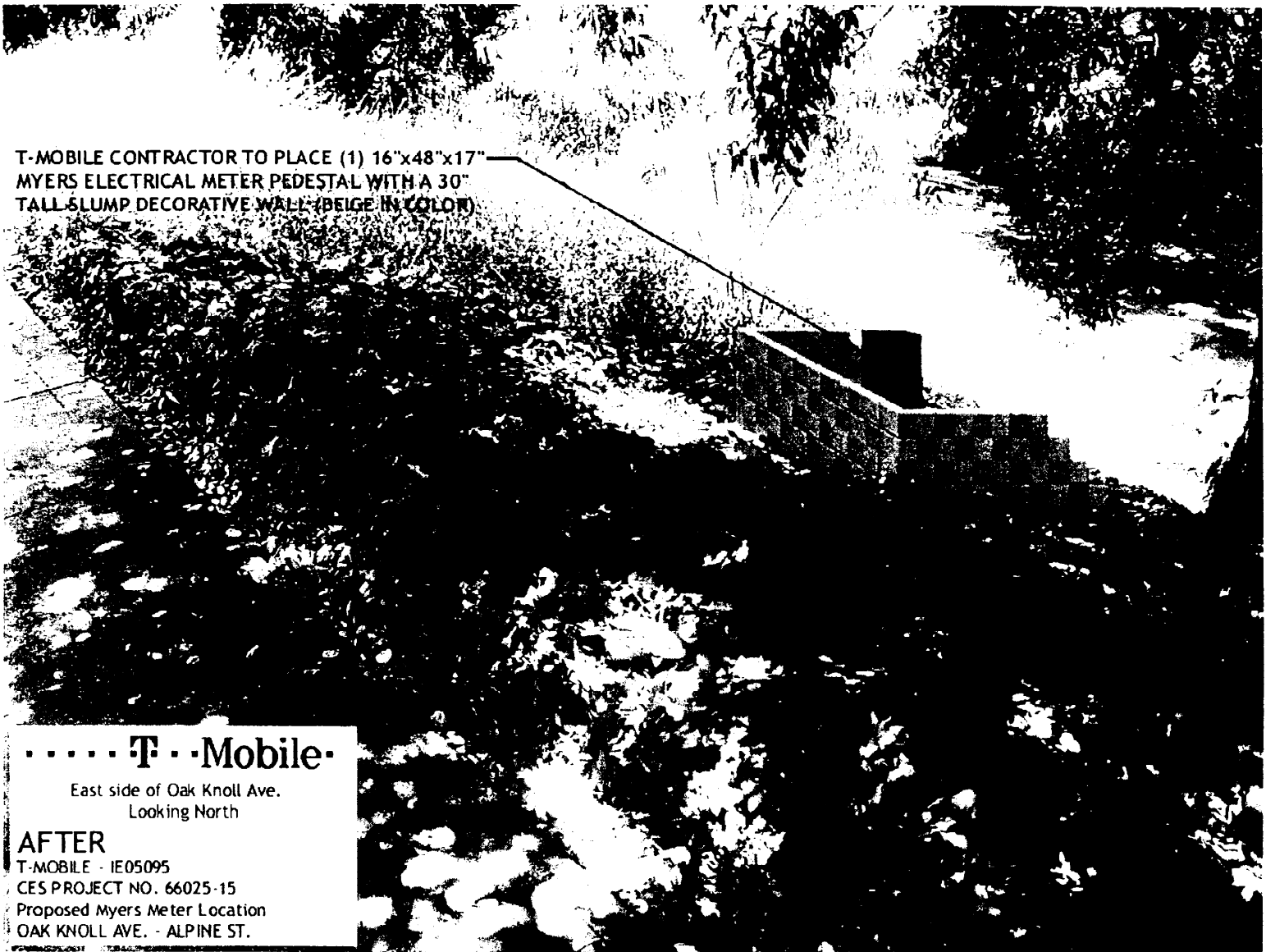
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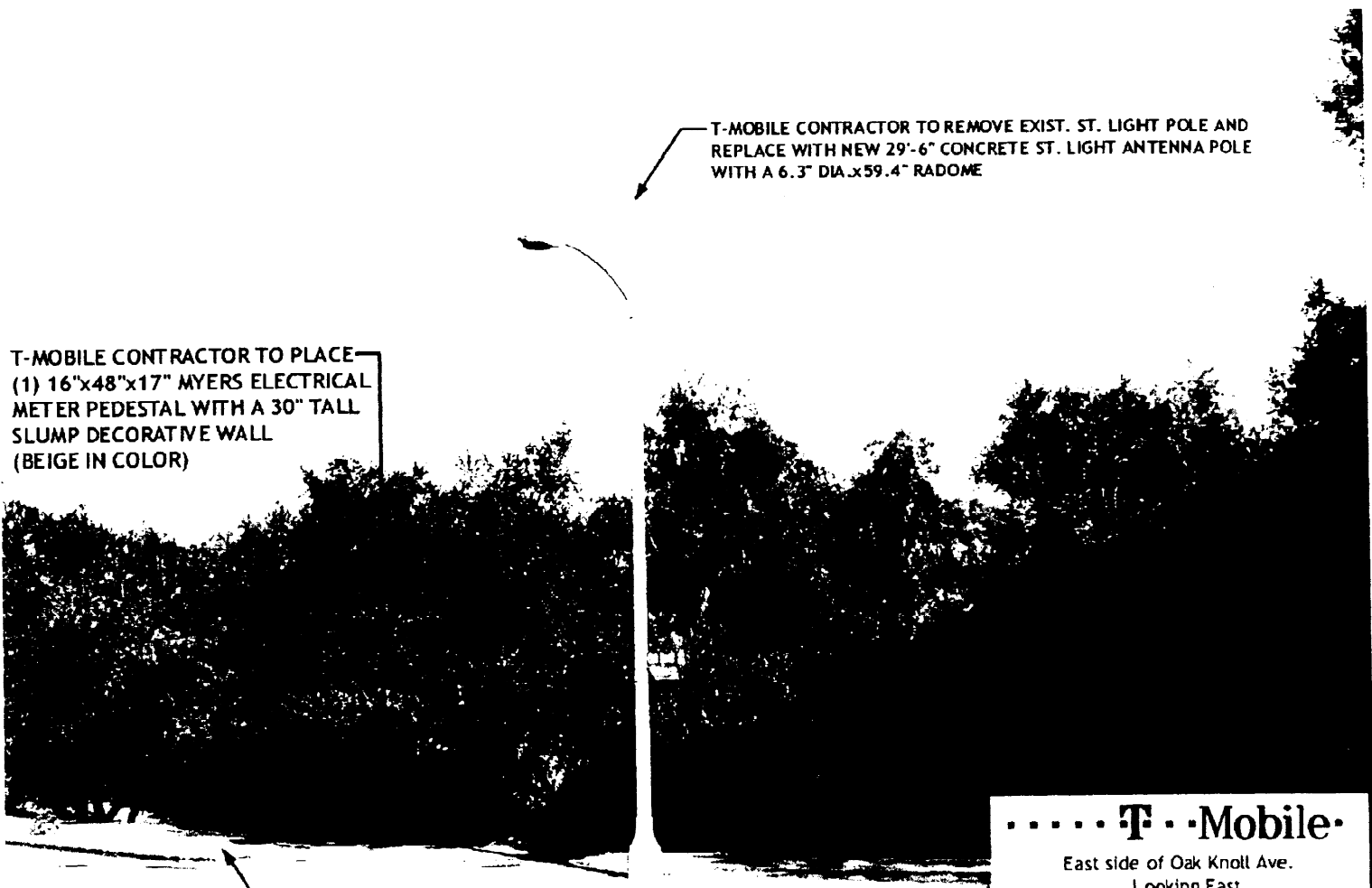


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OAK KNOLL AVE. - ALPINE ST.



FIELD SYMBOLOLOGY		SHEET INDEX		LEGAL DESCRIPTION			UTILITIES		
SYMBOL	DESCRIPTION	COUNT	SHEET NO.	SHEET TITLE	TITLE REPORT IDENTIFICATION	LEGAL DESCRIPTION	GEODETIC COORDINATE	SURVEY	UTILITIES
E.S.A.	EDGE OF ASPH	1	OF 4	TITLE SHEET	NO. PUBLIC A.S.N.	NO. PUBLIC A.S.N.	LATITUDE 34° 07' 49.70"	PERMS	CITY OF PASADENA (PWR)
W.A.	WAVE LINE	1	OF 4	SUBSTRUCTURE BYE PLAN			LONGITUDE 118° 07' 02.70"		SRK
E.S.P.	EDGE OF PAVT	1	OF 4	EQUIPMENT DETAILS					City Engineer Public Works City of Pasadena 117 E. Colorado Blvd. Pasadena, CA 91106 Phone: (626) 796-2527
E.S.A.	EDGE OF PAVEMENT								City Engineer 41 S. Central Ave. Room 2209 Pasadena, CA 91106 Phone: (626) 796-1000
CS	CURBED LINE								
CF	CURBFACE								
PL	PROPERTY LINE								
	FINCH								
	WELL								
	SEWERLINE								
	WATER								
	TRE								
	UTILITY POLE								
	STREET LIGHT								
	PAVING BETWEEN STREET EDG								
	SEWER OUT								
	FIRE HYDRANT								
	UTILITY VALVE								
	UTILITY MANHOLE								
	SEWER MANHOLE								
	SEWER VENT								
	ROUND VENT								
	DR-ALERT								
	MANHOLE RAMP								

# .....T-Mobile.....

3 Imperial Promenade Suite #1100  
Santa Ana, CA 92707  
Phone: (714) 850-2400  
Fax: (714) 850-6690

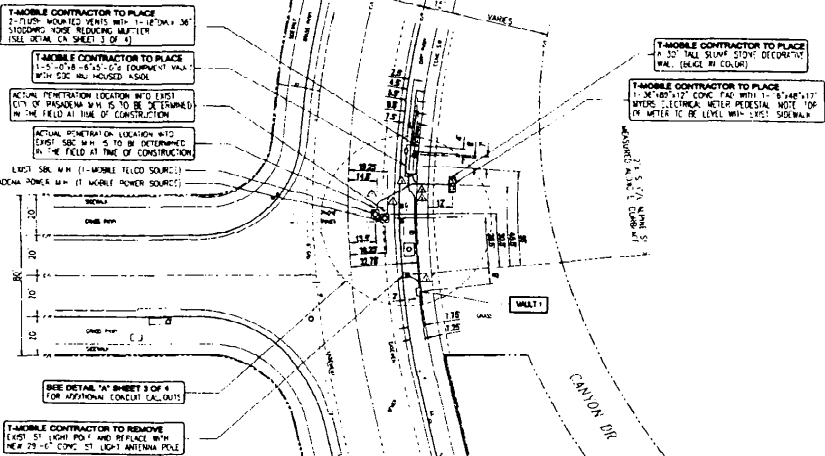
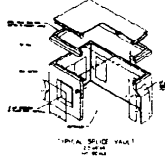
## SITE #IE05095

OAK KNOLL AVE. &  
ALPINE ST.

PROJECT DESCRIPTION		APPROVALS				VICINITY MAP	
THIS PROJECT CONSISTS OF THE INSTALLATION AND OPERATION OF ANTENNAS AND ASSOCIATED EQUIPMENT: (1) 30' x 4' x 3' THREE INDEPENDENT SPOL ANTENNAS IN A SINGLE MAST MOUNTED ONTO A 29'-6" TALL ST. LT. ANTENNA POLE. (1) 16"x16"x17" BAYERS METER ELECTRICAL METER PEDESTAL. (1) 5/8"-4X5 EQUIPMENT VAULT. (2) FLASH MOUNTED VENTS AND (1) 2.5'-7'-4" PLUCE VALVE.		APPROVED BY: _____ NAME: _____ SIGNATURE: _____ INITIALS: _____ DATE: _____ TYPED BY: _____ TYPED BY: _____ TYPED BY: _____ PLANNED: _____ COMMENTS: _____	APPROVALS: _____ SIGNATURE: _____ INITIALS: _____ DATE: _____			VICINITY MAP: _____ ADDRESS: 3033 THREE IMPERIAL SUITE OAK KNOLL ST. PASADENA	

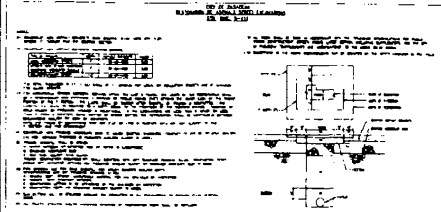
	<b>REVISIONS</b> <table border="1"> <tr><th>NO.</th><th>DESCRIPTION</th><th>BY</th><th>DATE</th></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>	NO.	DESCRIPTION	BY	DATE													<b>PROJECT NO.</b> T.S.C. MAP NO. 2016 FRENCH PROPERTY	<b>PERMIT NO.</b> DATE COUNTY CITY
NO.	DESCRIPTION	BY	DATE																
3 Imperial Promenade Suite #1100 Santa Ana, CA 92707 Phone: (714) 850-2400 Fax: (714) 850-6690	DRAFTED BY: C.E.S. DATE: 01-24-08 ORIGINAL SUBMITTAL DATE: 01-28-08 SHEET TITLE: _____ SHEET NO.: _____	DRAFTED BY: C.E.S. DATE: 01-24-08 ORIGINAL SUBMITTAL DATE: 01-28-08 SHEET TITLE: _____ SHEET NO.: _____	COUNTY: PASADENA CITY: LOS ANGELES SITE NO.: IE05095 LOCATION (ADDRESS PENDING): OAK KNOLL AVE. AND ALPINE ST. PASADENA, CA 91126																
<b>T-Mobile</b> 3 Imperial Promenade Suite #1100 Santa Ana, CA 92707 Phone: (714) 850-2400 Fax: (714) 850-6690		<b>TITLE SHEET</b> PLAN NO. _____ SHEET 1 OF 4																	

SHEET INFORMATION	
SHEET NO.	1
TOTAL SHEETS	2
DATE	07/20/08



**GENERAL NOTES**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF PASADENA AND THE CALIFORNIA PUBLIC UTILITIES COMMISSION (CPUC).
2. ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL PROTECT ALL UTILITIES NOT SHOWN ON THIS PLAN. TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN AND ANY OTHER UTILITIES NOT SHOWN ON THIS PLAN.
4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF PASADENA STANDARD SPECIFICATIONS FOR PUBLIC WORKS.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
6. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE CITY ENGINEER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF PASADENA AND THE CALIFORNIA PUBLIC UTILITIES COMMISSION (CPUC).
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10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF PASADENA STANDARD SPECIFICATIONS FOR PUBLIC WORKS.
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**Cgs** COMMERCIAL GROUND SERVICES  
 PROJECTS CONSULTANTS INC.  
 1000 WEST 10TH STREET, SUITE 100  
 PASADENA, CA 92304  
 TEL: 626-799-1100  
 FAX: 626-799-1101

**T-Mobile**  
 1000 WEST 10TH STREET, SUITE 100  
 PASADENA, CA 92304  
 TEL: 626-799-1100  
 FAX: 626-799-1101

**UNDERGROUND UTILITIES NOTE**  
 THE LOCATIONS AND EXISTENCE OF ANY UNDERGROUND PIPES, STRUCTURES OR CONDUITS SHOWN ON THIS PLAN WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THERE MAY BE UTILITIES OTHER THAN THOSE SHOWN ON THIS PLAN. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN AND ANY OTHER UTILITIES NOT SHOWN ON THIS PLAN.

**UTILITY LINE TYPE LEGEND**

T-MOBILE CONDUIT	--- (dashed line)
POWER	--- (solid line)
WATER	--- (solid line)
SEWER	--- (solid line)
STREET LIGHT	--- (solid line)
OTHER	--- (solid line)
WIRELESS	--- (solid line)
CABLE TV	--- (solid line)
STORM DRAIN	--- (solid line)



**REVISIONS**

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	07/20/08

**CITY OF PASADENA PERMIT INFORMATION**

AC STREET FOOTAGE	26.52'
DIRT PARKWAY FOOTAGE	85.00'
TOTAL FOOTAGE	111.52'

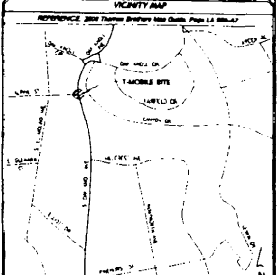
**PROJECT INFO**

PROJECT NO.	LA 08047
T.B.S. MAP NO.	111
TOTAL TRENCH FOOTAGE	111
DESIGNED BY	C.G.S.
DATE	07/20/08
DRAFTED BY	C.G.S.
DATE	07/20/08
ORIGINAL SUBMITTAL DATE	07/20/08
SHEET TITLE	SUBSTRUCTURE SITE PLAN

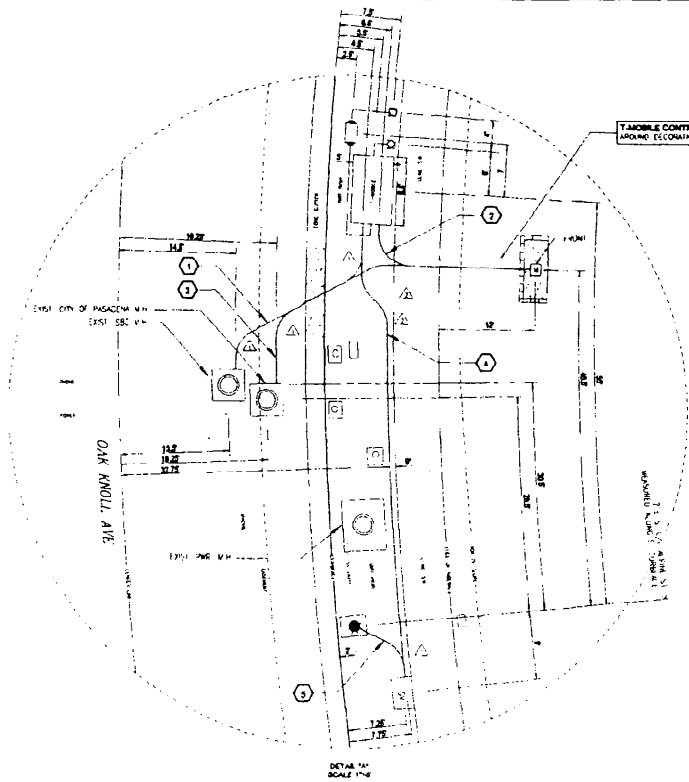
**PROPERTY INFO**

CITY	PASADENA
COUNTY	LOS ANGELES
SECTION	165005
LOCATION (ADDRESS PERMITS)	OAK KNOLL AVE AND ALPINE ST PASADENA, CA 92304

PLAN No. 165005 SHEET 1 OF 2

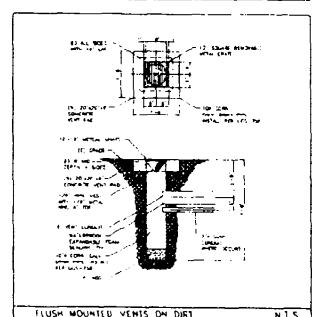
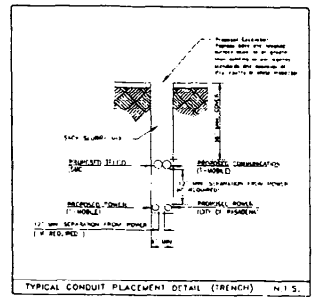


PRELIMINARY CD



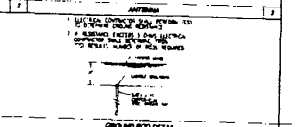
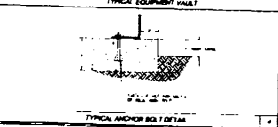
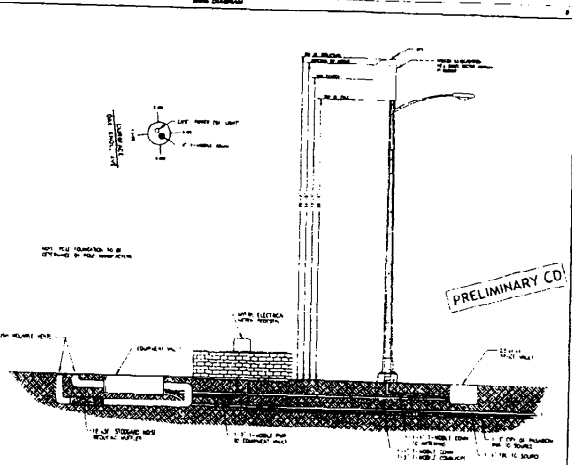
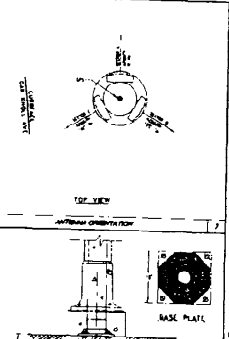
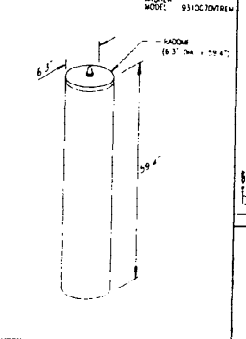
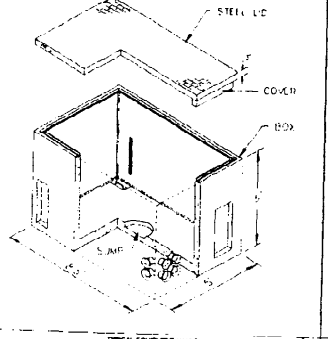
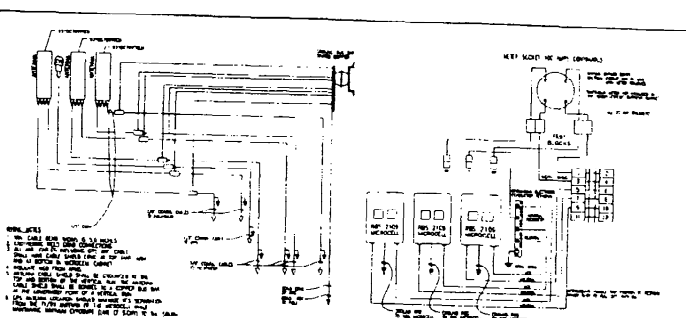
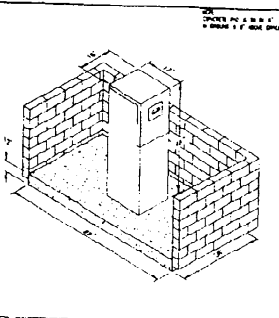
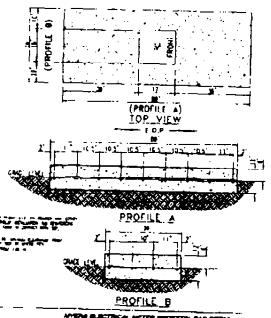
DETAIL A1  
SCALE 1/4"=1'-0"

ITEM #	DESCRIPTION
1	27'-0" (EAST) 5/8" MIN. 30 EQUIPMENT WALL 1.5" SCH 40 PVC CONDUIT (5/8")
2	27'-0" (EAST) CITY OF PASADENA M.H. TO METERS W/ELER 1.5" SCH 40 PVC CONDUIT (EAST OF PASADENA POWER)
3	12" METERS W/ELER TO EQUIPMENT WALL 1.5" SCH 40 PVC CONDUIT (T-MOBILE POWER)
4	20'-0" EQUIPMENT WALL TO (ELECTRIC) WALL #1 1.5" SCH 40 PVC CONDUIT (E-W/ELER'S CONDUIT) 1.5" SCH 40 PVC CONDUIT (T-MOBILE EQUIPMENT)
5	12'-0" (SPACE) WALL #1 TO SITE POLE 1.5" SCH 40 PVC CONDUIT (T-MOBILE CONDUIT)



PRELIMINARY CD

<p>CoS COMMUNICATIONS PRECEDENT COMMUNICATIONS INC. 1000 West 10th St, Suite 100, Los Angeles, CA 90015 Tel: (213) 621-1100 Fax: (213) 621-1101</p>	<p>T-Mobile 2 Imperial Park Drive, Suite 1110 Pasadena, CA 91106 Tel: (714) 858-2266 Fax: (714) 858-2267</p>	<p><b>UNDERGROUND UTILITIES NOTE</b></p> <p>THE LOCATIONS AND EXISTENCE OF ANY UNDERGROUND PIPES, STRUCTURES OR CONDUITS SHOWN ON THIS PLAN WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THERE MAY BE EX. UTILITIES OTHER THAN THOSE SHOWN ON THIS PLAN. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN AND ANY OTHER LINES NOT SHOWN ON THIS PLAN.</p>	<p><b>UTILITY LINE TYPE LEGEND</b></p> <p>1. METERS CONDUIT POWER GAS WATER PHONE STREET LIGHT CABLE TV SEWER OTHER (BY SHOW DRAW)</p>	<p><b>NORTH ARROW</b></p> <p>SCALE 1/4"=1'-0"</p>	<p><b>REVISIONS</b></p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	DATE	DESCRIPTION	BY				<p><b>PROJECT NO.</b> 8800-22 <b>T.S.R. MAP NO.</b> LA 8800-22 <b>TOTAL TRENCH FOOTAGE</b> 1111 <b>DRAWN BY</b> C.E.A. DATE 01-24-08 <b>DESIGNED BY</b> C.E.A. DATE 01-24-08 <b>ORIGINAL SUBMITTAL DATE</b> 01-24-08</p> <p><b>SHEET TITLE</b> DETAILS</p>	<p><b>PROJECT NO.</b> 8800-22 <b>DATE</b> 01-24-08 <b>CITY</b> PASADENA <b>COUNTY</b> LOS ANGELES <b>SITE NO.</b> (E02099) <b>LOCATION (ADDRESS PENDING)</b> OAK KNOLL AVE. AND ALPINE ST PASADENA, CA 91128</p> <p>PLAN NO. PASSED SHEET 3 OF 4</p>
DATE	DESCRIPTION	BY											

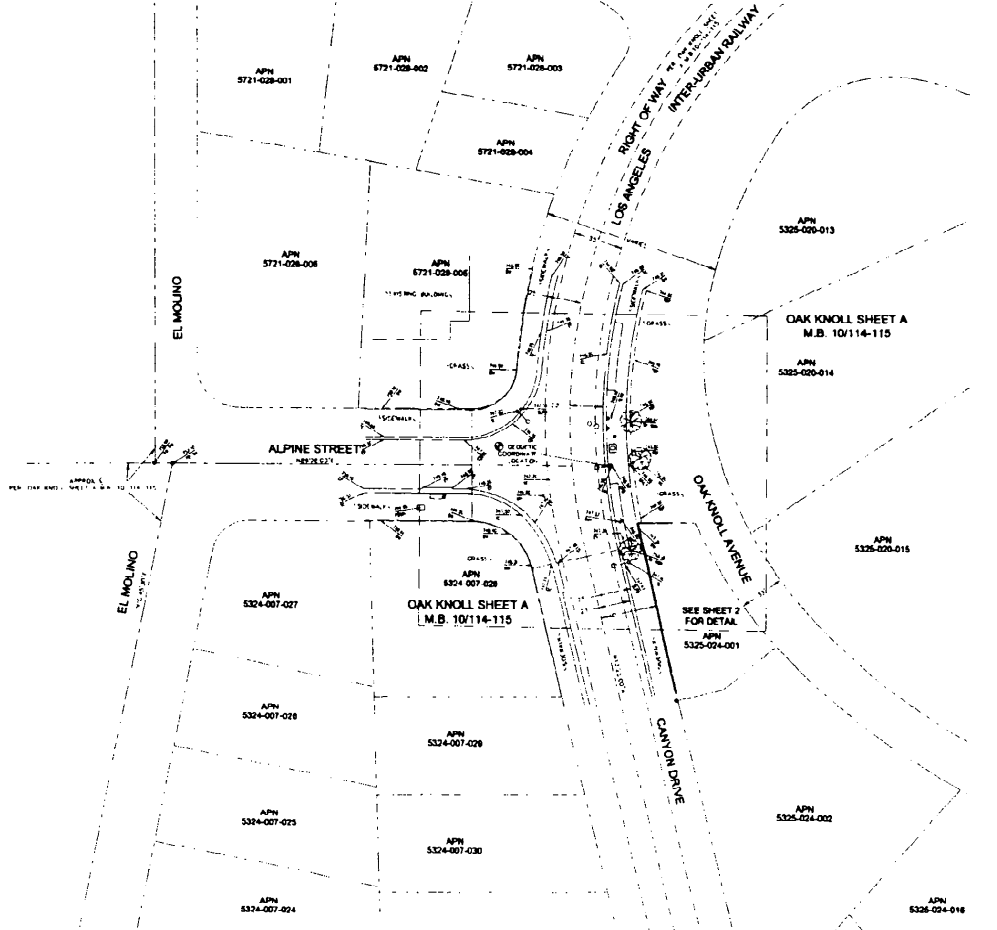


<b>C&amp;S</b> COMMUNICATIONS SERVICES CONSULTING ENGINEERS INC. 10000 Wilshire Blvd., Suite 1000, Los Angeles, CA 90024 Phone: (310) 206-1100 Fax: (310) 206-1100	<b>EQUIPMENT LEGEND</b> [Symbol] - Equipment [Symbol] - Working drawing & electrical notes [Symbol] - Working drawing & electrical notes [Symbol] - Working drawing & electrical notes	<b>UTILITY ABBREVIATIONS</b> [Symbol] - Electric [Symbol] - Gas [Symbol] - Water [Symbol] - Sewer [Symbol] - Cable [Symbol] - Fiber Optic [Symbol] - Other	<b>REVISIONS</b> [Table with columns for No., Description, Date, By, Appr.]	<b>PROJECT INFO</b> PROJECT NO.: DATE: CITY: PASADENA COUNTY: LOS ANGELES LOCATION: (ADDRESS PENDING) OAK HOLL AVE AND ALPINE ST PASADENA, CA 91126	<b>GENERAL PROJECT INFORMATION</b> PROJECT NO.: DATE: CITY: COUNTY: LOCATION:	<b>REVISIONS</b> [Table with columns for No., Description, Date, By, Appr.]	<b>PROJECT INFO</b> PROJECT NO.: DATE: CITY: PASADENA COUNTY: LOS ANGELES LOCATION: (ADDRESS PENDING) OAK HOLL AVE AND ALPINE ST PASADENA, CA 91126	<b>EQUIPMENT DETAILS</b> [Table with columns for Equipment, Description, Quantity, etc.]





S. 1.2



COORDINATES  
 NAD 83  
 UTM  
 18S  
 118.98  
 484,000

DATE OF SURVEY  
 10/11/15

LEGAL DESCRIPTION  
 N/A

TITLE RECORD IDENTIFICATION  
 N/A

EASUREMENT NOTES  
 N/A

ACCESSION IDENTIFICATION  
 N/A

AREA  
 N/A

LEGEND  
 10' = 300mm  
 20' = 600mm  
 30' = 900mm  
 40' = 1200mm  
 50' = 1500mm  
 60' = 1800mm  
 70' = 2100mm  
 80' = 2400mm  
 90' = 2700mm  
 100' = 3000mm  
 120' = 3600mm  
 150' = 4500mm  
 200' = 6000mm  
 300' = 9000mm  
 400' = 12000mm  
 500' = 15000mm  
 600' = 18000mm  
 700' = 21000mm  
 800' = 24000mm  
 900' = 27000mm  
 1000' = 30000mm

**TOPOGRAPHIC SURVEY**  
 1E05085 'OAK KNOLL LAMP POLE'  
 ALPINE STREET AND OAK KNOLL AVENUE  
 PASADENA, CA 91106

DATE: 10/11/15

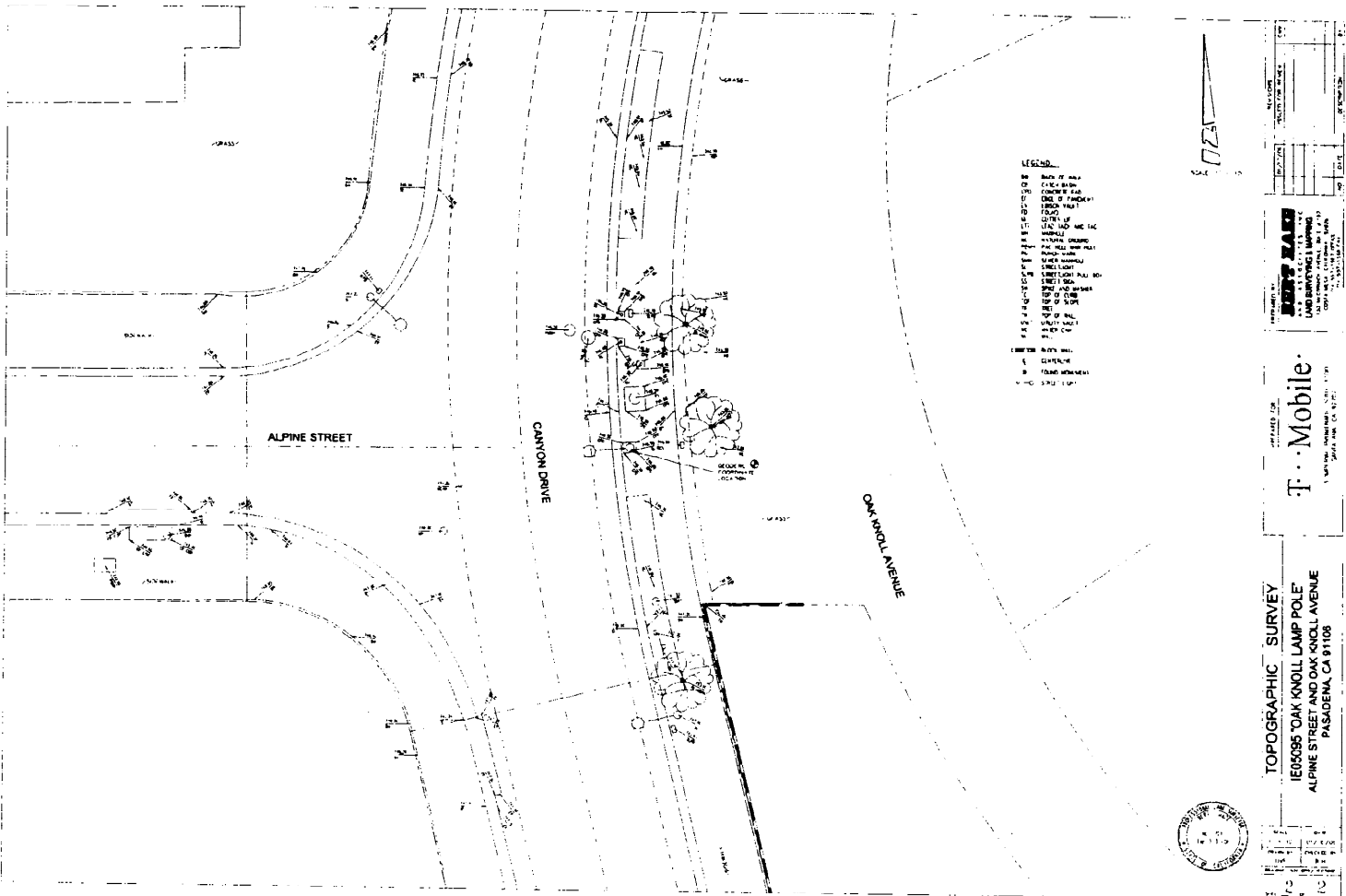
PROJECT NO: 15-010

DRAWN BY: [Name]

CHECKED BY: [Name]

SCALE: 1" = 40'





**TOPOGRAPHIC SURVEY**  
**165095 'OAK KNOLL LAMP POLE'**  
**ALPINE STREET AND OAK KNOLL AVENUE**  
**PASADENA, CA 91108**



**PROPERTY INFORMATION**

**OWNER**: ...  
**DEVELOPER**: ...  
**DATE**: ...  
**SCALE**: 1" = 40' ...

**T-Mobile**  
**A Wireless Solution for Your Business**  
**PASADENA, CA 91108**