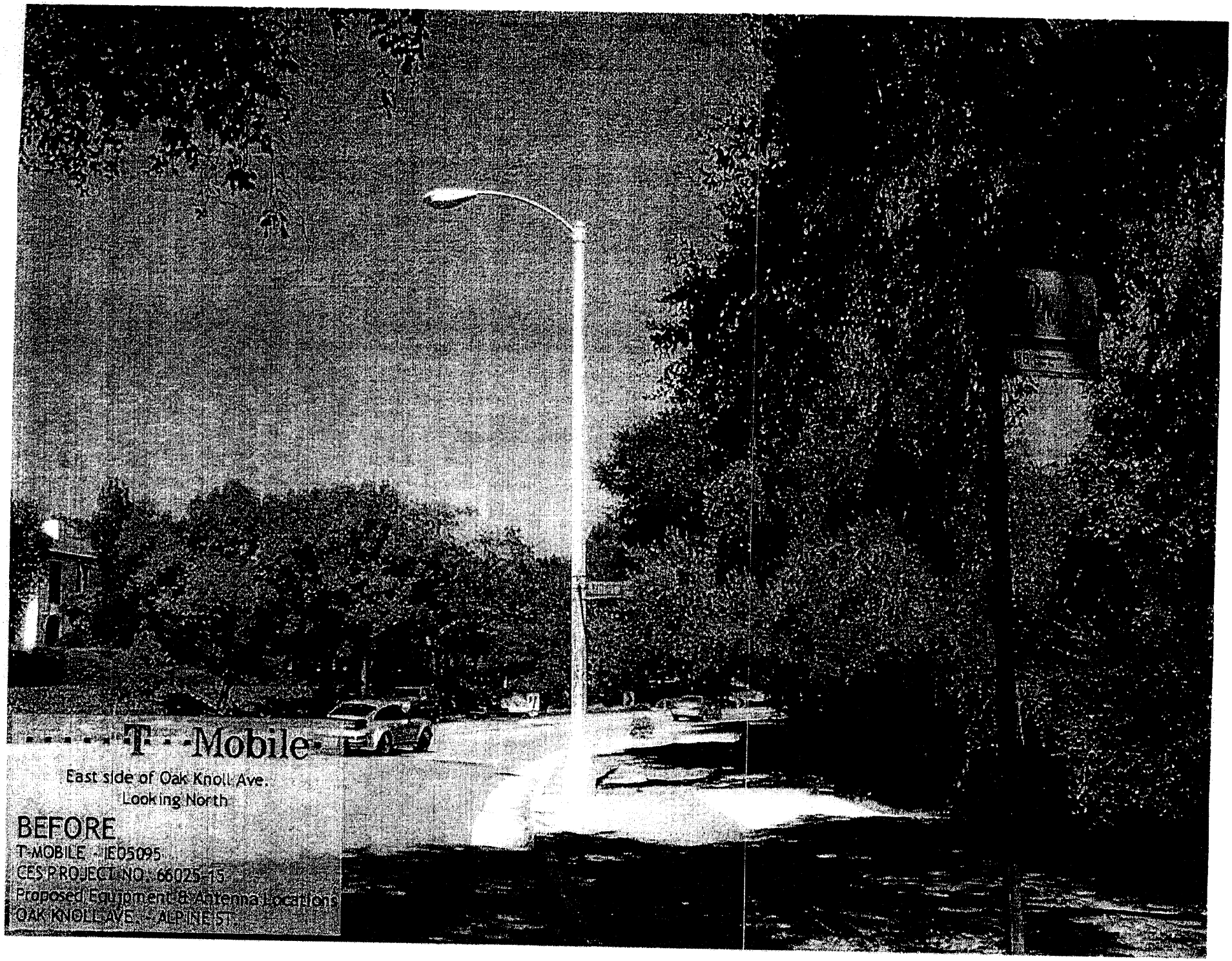
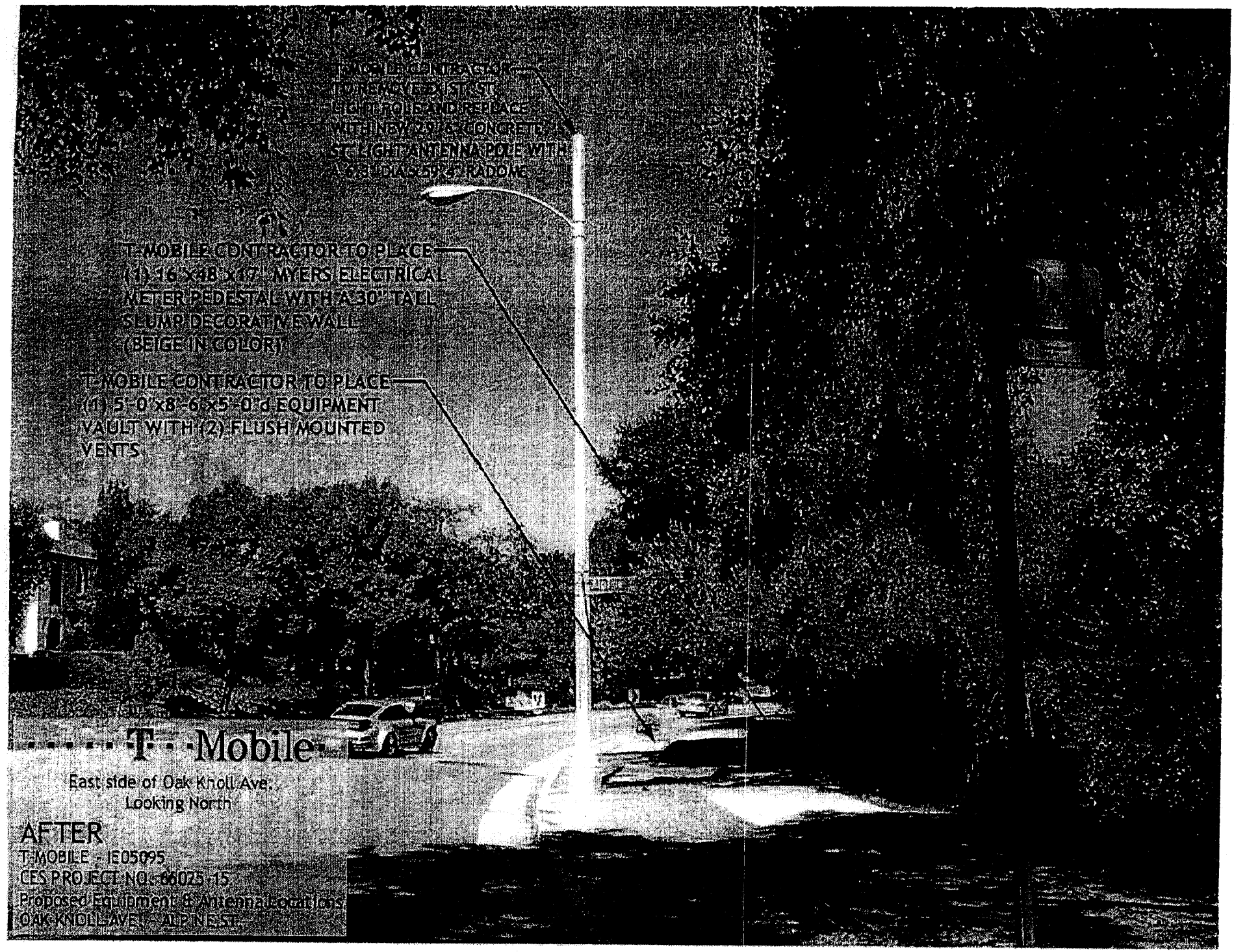
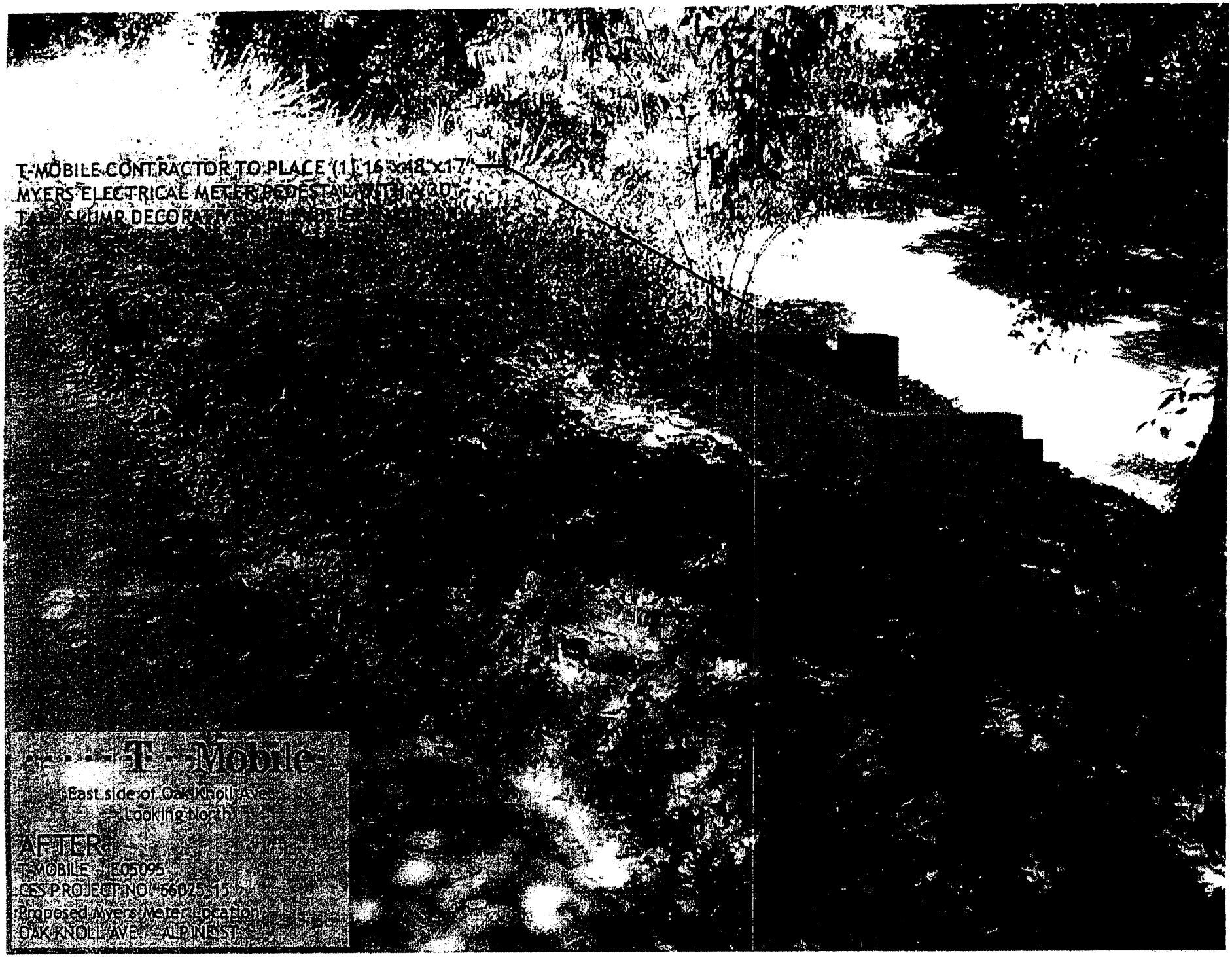
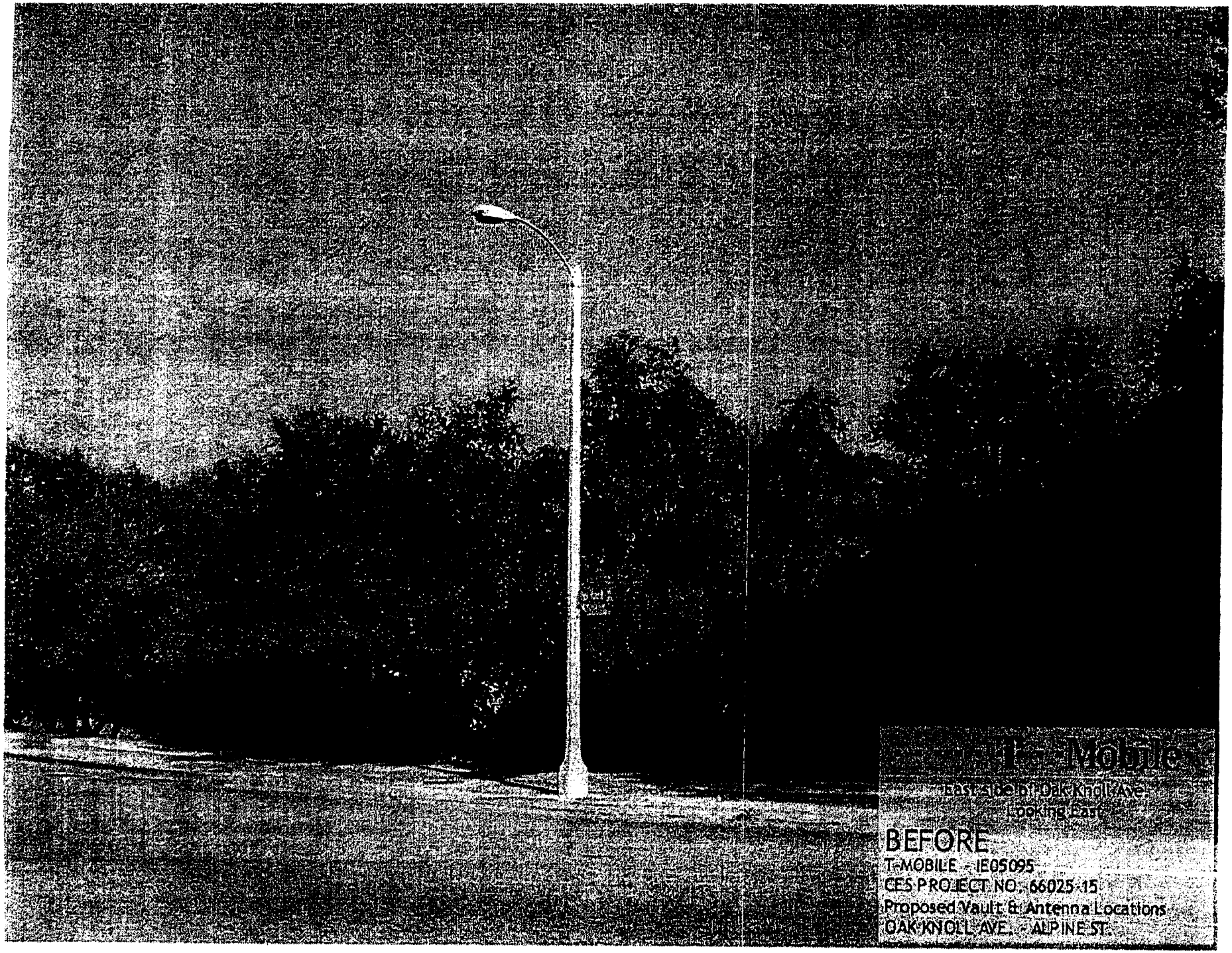
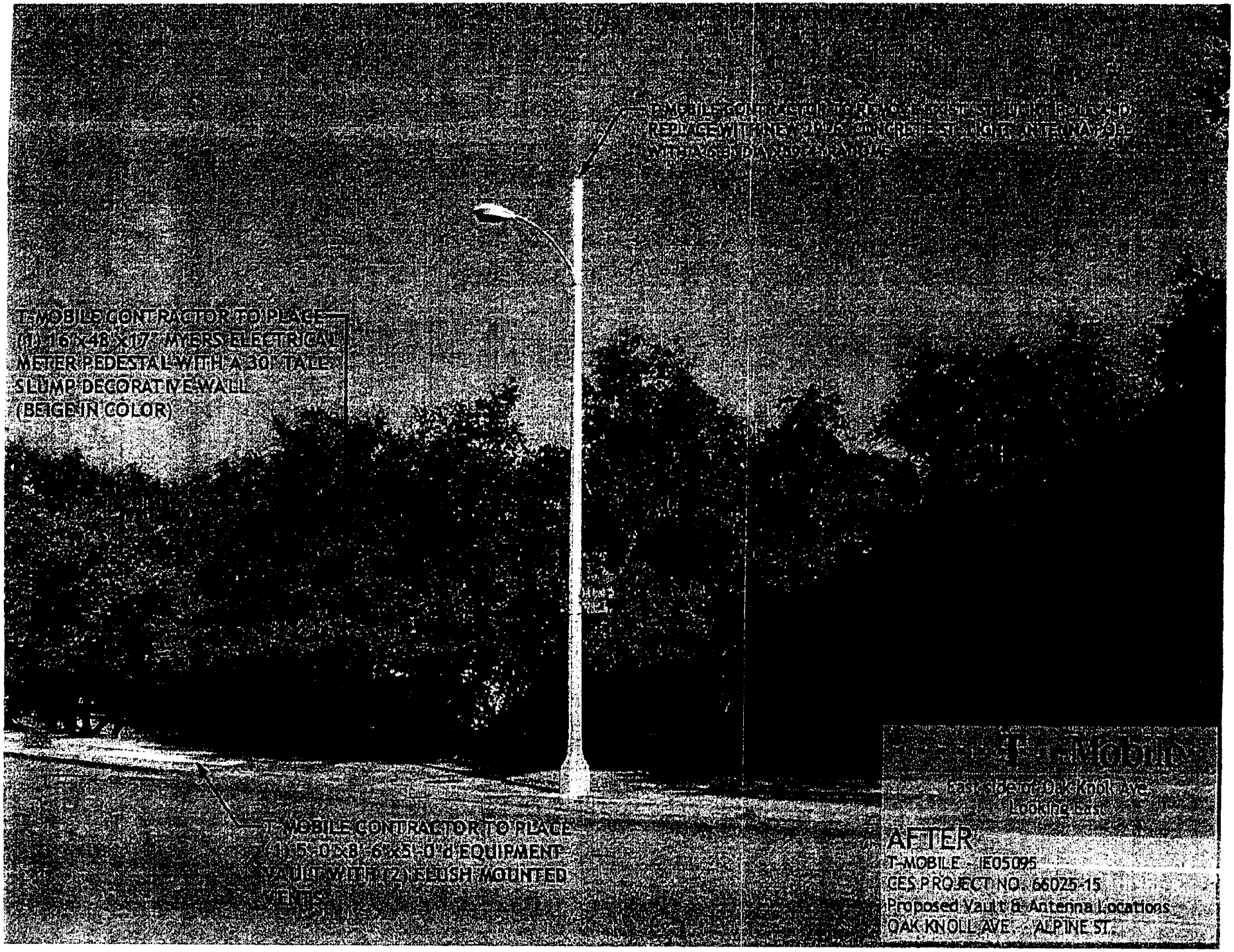

T-Mobile
East side of Oak Knoll Ave.
Looking North
BEFORE
T-MOBILE - IE05095
CES PROJECT NO. 66025-15
Proposed Equipment & Antenna Locations
OAK KNOLL AVE. - ALPINE ST.


T-MOBILE CONTRACTOR
TO REMOVE EXIST. ST.
LIGHT POLE AND REPLACE
WITH NEW 20' ø CONCRETE
ST. LIGHT ANTENNA POLE WITH
ø 8" DIA. 59' ø RADOME
T-MOBILE CONTRACTOR TO PLACE
(1) 16"x18"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.
Looking North
AFTER
T-MOBILE - 1E05095
CES PROJECT NO.: 66025-15
Proposed Equipment & Antenna Locations
OAK KNOLL AVE. - ALPINE ST.


T-Mobile
East side of Oak Knoll Ave.
Looking North
BEFORE
T-MOBILE: IE05095
CES PROJECT NO: 66025-15
Proposed Myers Meter Location
OAK KNOLL AVE. - ALPINE ST.


T-MOBILE CONTRACTOR TO PLACE (1) 16"x18"x17"
MYERS ELECTRICAL METER PEDESTAL WITH A 30
T-Mobile
East side of Oak Knoll Ave
Looking North
AFTER
TMOBILE - JE05095
CES PROJECT NO. #6025.15
Proposed Myers Meter Location
OAK KNOLL AVE. - ALPINE ST.


T-Mobile
East side of Oak Knoll Ave.
Looking East
BEFORE
T-MOBILE - IE05095
CES PROJECT NO. 66025-15
Proposed Vault & Antenna Locations
OAK KNOLL AVE. - ALPINE ST.


T-MOBILE CONTRACTOR TO PLACE
(1) 16'x48'x17" MYERS ELECTRICAL
METER PEDESTAL WITH A 30" TALE
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.
Looking East
AFTER
T-MOBILE - IE05095
CES PROJECT NO. 66025-15
Proposed Vault & Antenna Locations
OAK KNOLL AVE. - ALPINE ST.

FIELD SYMBOLOGY

SYMBOL	DESCRIPTION
E.O.G.	EDGE OF GUT
W/L	WHITE LINE
R.O.W.	RIGHT OF WAY
E.O.P.	EDGE OF PAVEMENT
C/L	CENTER LINE
C/F	CURBFACE
P/L	PROPERTY LINE
—X—X—X—X—	FENCE
	WALL
	DRIVEWAY
	BUSHES
	TREE
	UTILITY POLE
	STREET LIGHT
	PARKING METER/STREET SIGN
	DOWN GUY
	FIRE HYDRANT
	UTILITY VALVE
	UTILITY MANHOLE
	SEWER MANHOLE
	SQUARE VENT
	ROUND VENT
	DIG-ALERTS
	HANDICAP RAMP

SHEET INDEX

COUNT	SHEET NO.	SHEET TITLE
1	1 OF 4	TITLE SHEET
1	2 OF 4	SUBSTRUCTURE SITE PLAN
1	3 OF 4	DETAILS
1	4 OF 4	EQUIPMENT DETAILS

LEGAL DESCRIPTION

TITLE REPORT IDENTIFICATION	LEGAL DESCRIPTION	GEODETIC COORDINATE	SURVEY
N/A - PUBLIC R.O.W.	N/A - PUBLIC R.O.W.	LATITUDE 34° 09' 45.93"N LONGITUDE 118° 08' 06.39"W	PENDING

UTILITIES

CITY OF PASADENA (PWR)
Ronald Ott
City Engineer (Public Works)
Chandler Bldg. Room #A39
117 E. Colorado Blvd.
Pasadena, CA 91105
Phone: (626) 744-4367

SBC
Brian Proctor
411 S. Chester Ave. Room #200
Pasadena, CA 91106
Phone: (626) 531-8608

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 TEAM

ENGINEERING COMPANY:
John Crosse
Cable Engineering Services
10848 Sepulveda Blvd., Suite #1
Mission Hills, CA 91345
Phone: (818) 894-1952

PLANNING CONSULTANT:
Jay A. Brooks
Sequoia Deployment Services, Inc.
One Ventana, Suite #200
Irvine, CA 92618
Phone: (714) 675-4864
Fax: (949) 753-7283

APPLICANT:
Travis Hampson
T-mobile
3 Imperial Promenade Suite #1100
Santa Ana, CA 92707
Phone: (714) 391-4216
Fax: (714) 850-6690

SURVEY COMPANY:
Bert Haus and Associates Inc.
130 McCormick Ave. Suite #102
Costa Mesa, CA 92626
Phone: (714) 557-1567

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE INSTALLATION AND OPERATION OF ANTENNAS AND ASSOCIATED EQUIPMENT. (1) 99.4" x 6.3" THREE INDEPENDENT KPOL ANTENNAS IN A SINGLE RADOME MOUNTED ONTO A 29'-6" TALL ST. L.T. ANTENNA POLE. (1) 16'x48"x17" MYERS METER ELECTRICAL METER PEDESTAL, (1) 5'x8'-6"x5' EQUIPMENT VAULT, (2) FLUSH MOUNTED VENTS AND (1) 2.5'x4'x4' SPLICE VAULT.

APPROVALS

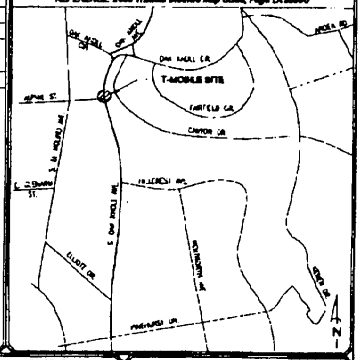
APPROVED BY:	NAME	SIGNATURE	INITIALS	DATE
T-MOBILE RF				
T-MOBILE SITE SPECIALIST				
T-MOBILE SITE ACQ. REP.				
LANDLORD				
PLANNER				

COMMENTS:

PRELIMINARY CD

VICINITY MAP

REFERENCE: 2008 Thomas Brothers Map Guide, Page LA 568-A7



CES cable engineering services
PRESCOTT COMMUNICATIONS INC.
10848 Sepulveda Blvd. Suite 1, Mission Hills, CA 91345
Phone No.: (818) 894-1952 Fax No.: (818) 894-1130

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

REVISIONS

DATE	DESCRIPTION	BY
0-0-0		
0-0-0		
0-0-0		
0-0-0		

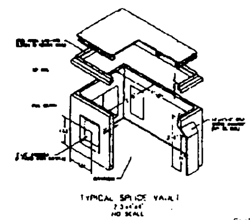
PROJECT NO.:	05005-16
T.B.G. MAP NO.:	LA 568-A7
TOTAL TRENCH FOOTAGE:	111'
ENGINEERED BY: C.E.S.	DATE: 01-24-08
DRAFTED BY: C.E.S.	DATE: 01-24-08
ORIGINAL SUBMITTAL DATE: 01-26-06	
SHEET TITLE	TITLE SHEET

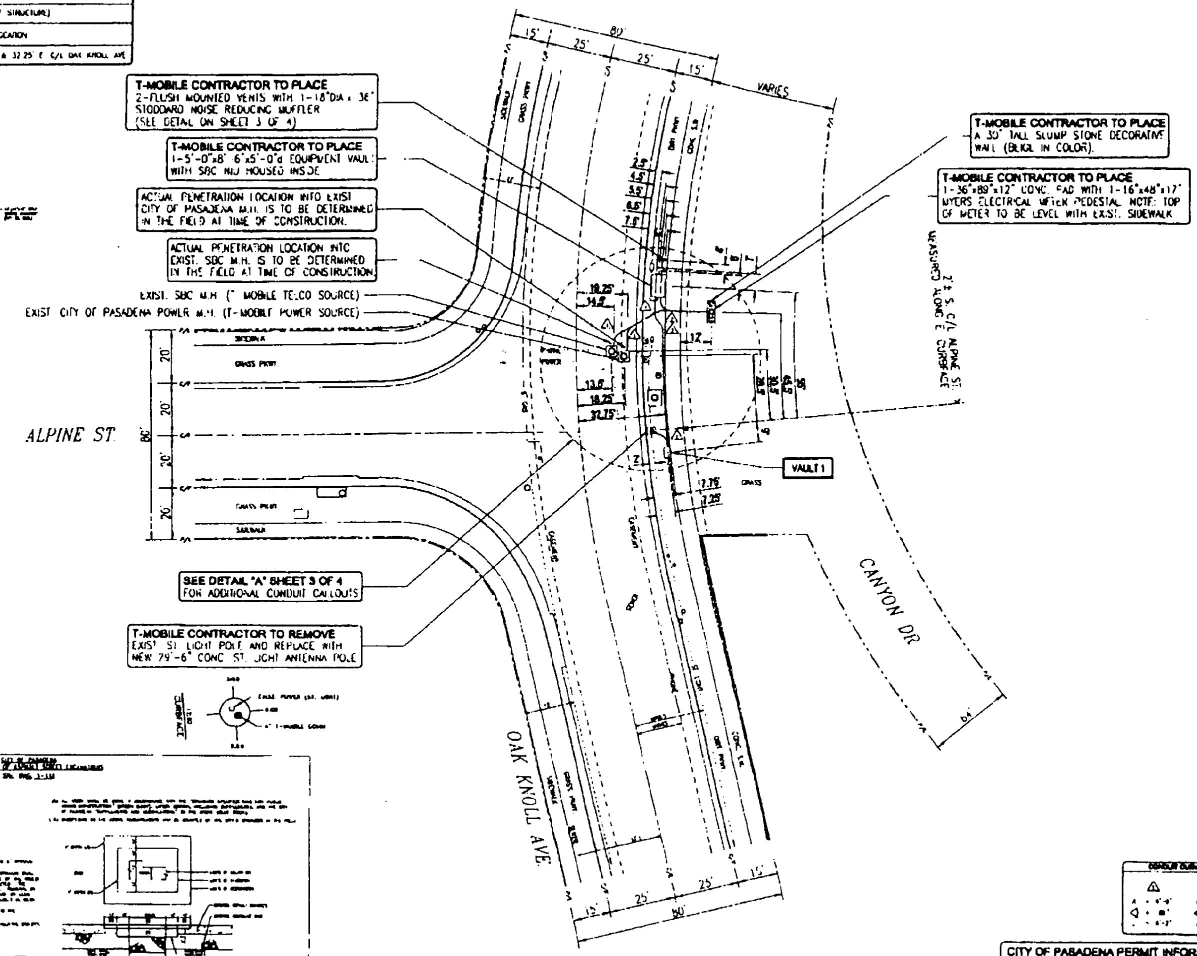
PERMIT NO.:	
DATE:	
CITY:	PASADENA
COUNTY:	LOS ANGELES
SITE NO.:	IE05095
LOCATION:	(ADDRESS PENDING) OAK KNOLL AVE. AND ALPINE ST. PASADENA, CA 91126
PLAN NO.: TM05002	SHEET 1 OF 4

VAULT LOCATION

(NOTE ALL DIMENSIONS ARE TO CENTER OF STRUCTURE)

VAULT #	VAULT SIZE	LOCATION
VAULT 1	2.5'x4'x4' (SPLICE) VAULT	11'± S. C/L ALPINE ST. & 32.25' E. C/L OAK KNOLL AVE



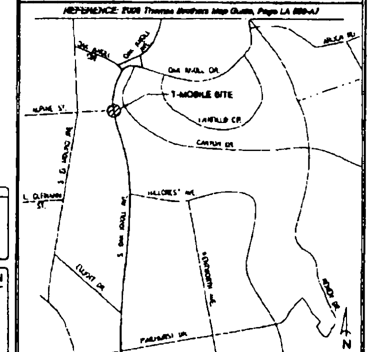


GENERAL NOTES

[illegible]

VICINITY MAP

REFERENCE: 2006 Thomas Brothers Map Guide, Page LA 566-A7



PRELIMINARY CD

CITY OF PASADENA PERMIT INFORMATION	
A/C STREET FOOTAGE:	26'-0"
DIRT PARKWAY FOOTAGE:	85'-0"
TOTAL FOOTAGE:	111'-0"

CeS cable engineering services
PRESCOTT COMMUNICATIONS INC.

T-Mobile
3 Imperial Promenade Suite #1100
Santa Ana, CA 92707
Phone: (714) 850-2400
Fax: (714) 850-6880

1-800-227-2600

TICKET #

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 EX. UTILITIES OTHER THAN THOSE SHOWN ON THIS PLAN. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT SHOWN ON THIS PLAN.

UTILITY LINE TYPE LEGEND

- T-MOBILE CONDUIT
- POWER
- GAS
- WATER
- PHONE
- STREET LIGHT
- OIL
- SEWER
- CABLE TV
- STORM DRAIN

NORTH ARROW

SCALE 1"=20'

REVISIONS

DATE	DESCRIPTION	BY

PROJECT NO.:	
T.B.G. MAP NO.:	LA 566-A7
TOTAL TRENCH FOOTAGE:	111'
ENGINEERED BY: C.E.S.	DATE: 01-24-06
DRAFTED BY: C.E.S.	DATE: 01-24-06
ORIGINAL SUBMITTAL DATE:	01-26-06

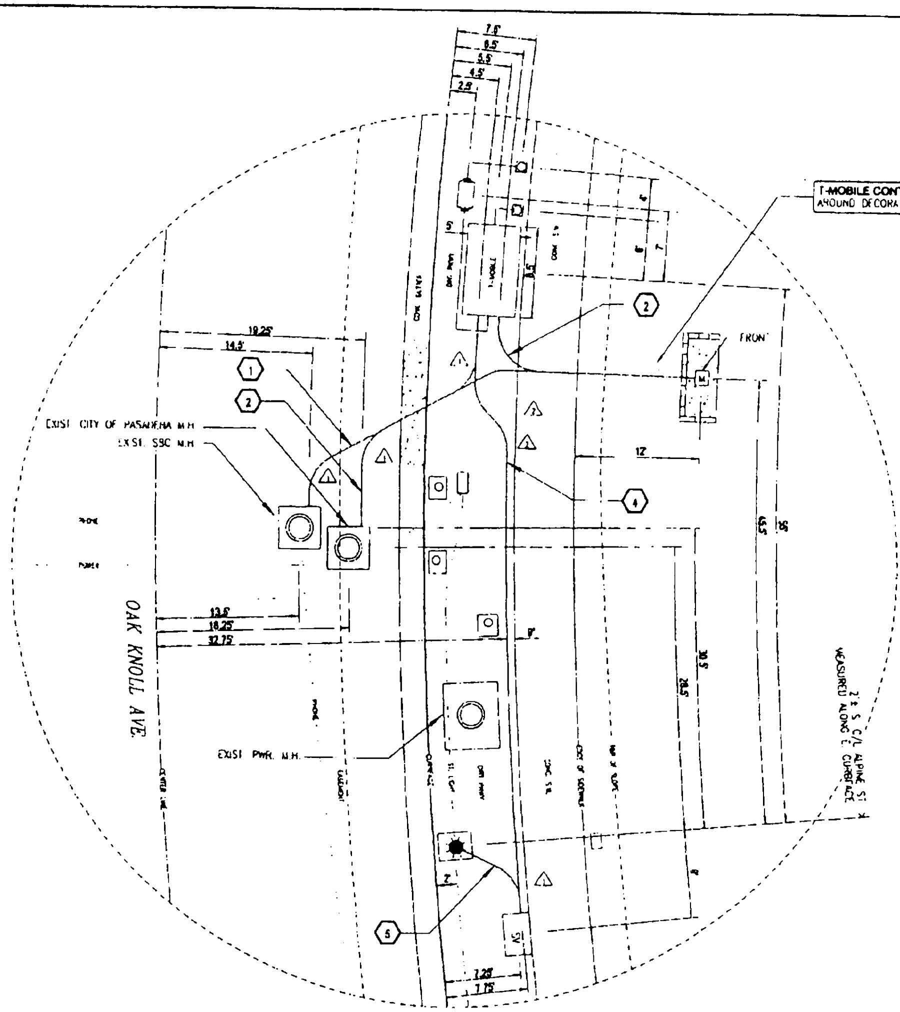
SHEET TITLE

SUBSTRUCTURE SITE PLAN

PERMIT NO.:	
DATE:	
CITY:	PASADENA
COUNTY:	LOS ANGELES
SITE NO.:	IE05095
LOCATION:	(ADDRESS PENDING)

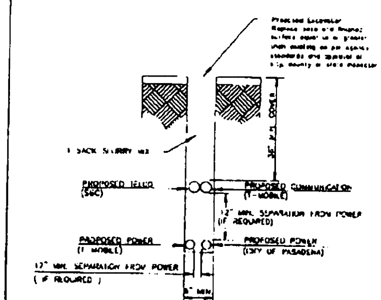
OAK KNOLL AVE. AND ALPINE ST.
PASADENA, CA 91120

SHEET 2 OF 4

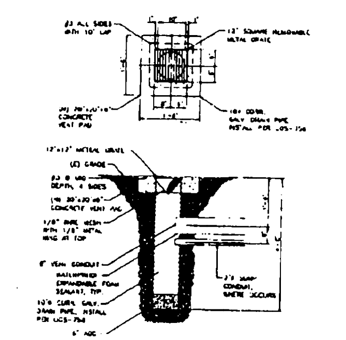


DETAIL "A"
SCALE 1"=5'

ITEM #	DESCRIPTION
1	27'-0" EXIST. SBC M.H. TO EQUIPMENT VAULT 1-4" SCH. 40 PVC CONDUIT (SBC)
2	22'-0" EXIST. CITY OF PASADENA M.H. TO MYERS METER 1-3" SCH. 40 PVC CONDUIT (CITY OF PASADENA POWER)
3	5'-0" MYERS METER TO EQUIPMENT VAULT 1-2" SCH. 40 PVC CONDUIT (T-MOBILE POWER)
4	60'-0" EQUIPMENT VAULT TO (SPLICE) VAULT #1 4-4" SCH. 40 PVC CONDUITS (T-MOBILE COMM) 1-5" SCH. 40 PVC CONDUIT (T-MOBILE COMM/GPS)
5	12'-0" (SPLICE) VAULT #1 TO SITE POLE 1-4" SCH. 40 PVC CONDUIT (T-MOBILE COMM)



TYPICAL CONDUIT PLACEMENT DETAIL (TRENCH) N.T.S.



FLUSH MOUNTED VENTS ON DIRT N.T.S.

PRELIMINARY CD

CeS cable engineering services
PRESCOTT COMMUNICATIONS INC.

T··Mobile·

1-800-227-2600

TICKET # ____

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 EX. UTILITIES OTHER THAN THOSE SHOWN ON THIS PLAN. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT SHOWN ON THIS PLAN.

UTILITY LINE TYPE LEGEND

T-MOBILE CONDUIT
POWER
GAS
WATER
PHONE
STREET LIGHT
OIL
SEWER
CABLE TV
STORM DRAIN

NORTH ARROW

SCALE 1"=5'

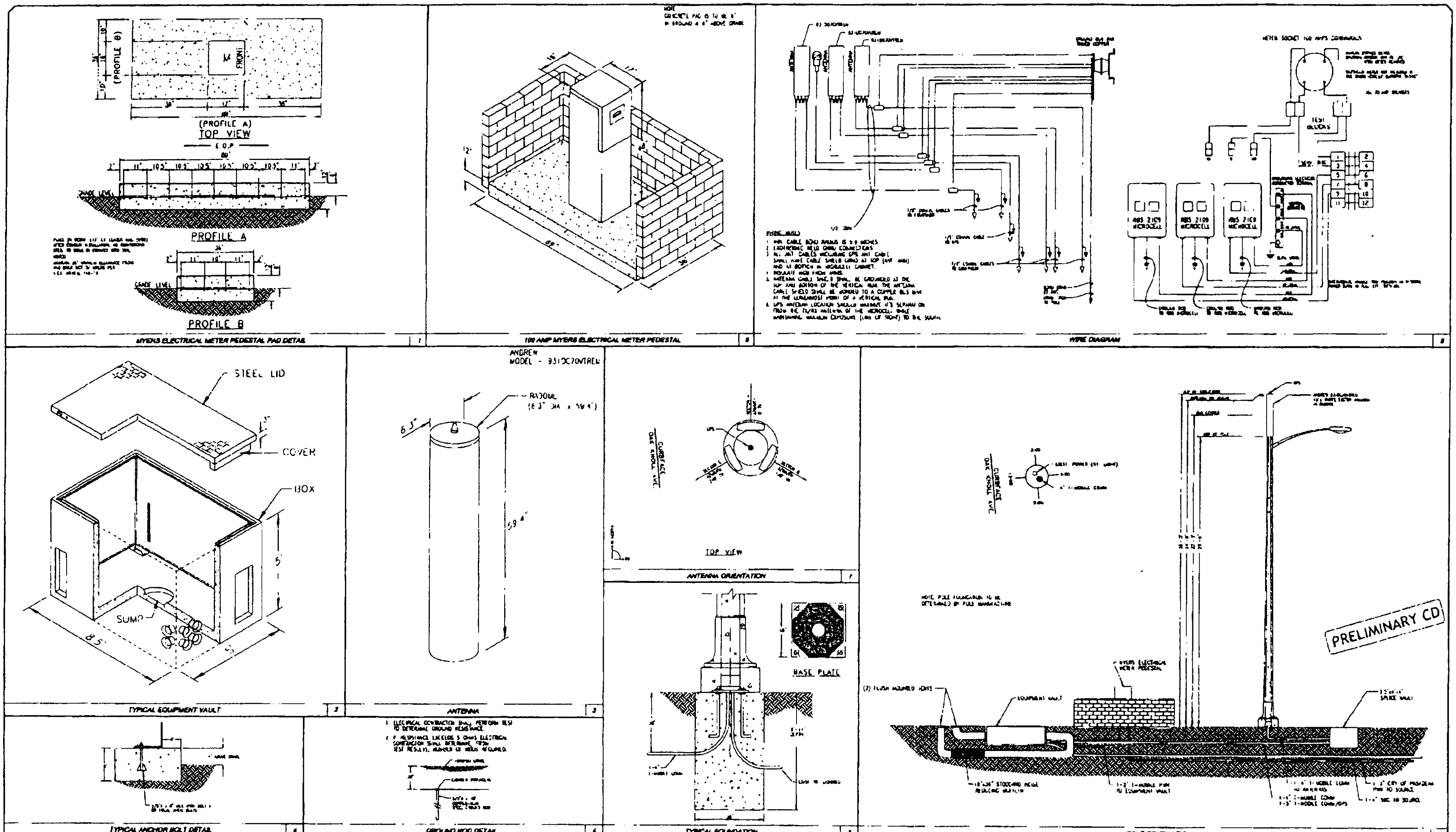
REVISIONS

DATE	DESCRIPTION	BY

PROJECT NO.:
T.B.G. MAP NO.: LA 566-A7
TOTAL TRENCH FOOTAGE: 111'
ENGINEERED BY: C.E.S. DATE: 01-24-06
DRAFTED BY: C.E.S. DATE: 01-24-06
ORIGINAL SUBMITTAL DATE: 01-26-06
SHEET TITLE
DETAILS

PERMIT NO.:
DATE:
CITY: PASADENA
COUNTY: LOS ANGELES
SITE NO.: IE05095
LOCATION: (ADDRESS PENDING)
OAK KNOLL AVE. AND ALPINE ST.
PASADENA, CA 91126

SHEET 3 OF 4



Cable Engineering Services

PRESCOTT COMMUNICATIONS INC.

T-Mobile

3 Imperial Promenade Suite #1100
Santa Ana, CA 92707
Phone: (714) 850-2400
Fax: (714) 850-6880

EQUIPMENT LEGEND

- [M] MYERS ELECTRICAL METER PEDESTAL
- [EV] EQUIPMENT VAULT
- [SV] SPLICE VAULT

UTILITY ABBREVIATIONS

- L.A. DEPARTMENT OF WATER & POWER
- SOUTHERN CALIFORNIA EDISON

GROUND NOTES

R.F. INFORMATION

R.F. REQUIREMENTS

GENERAL PROJECT INFORMATION

REVISIONS

DATE	DESCRIPTION	BY

T.B.G. MAP NO.:	
TOTAL TRENCH FOOTAGE:	117'
ENGINEERED BY: C.E.S.	DATE:
DRAFTED BY: C.E.S.	DATE:
ORIGINAL SUBMITTAL DATE:	01-26-06

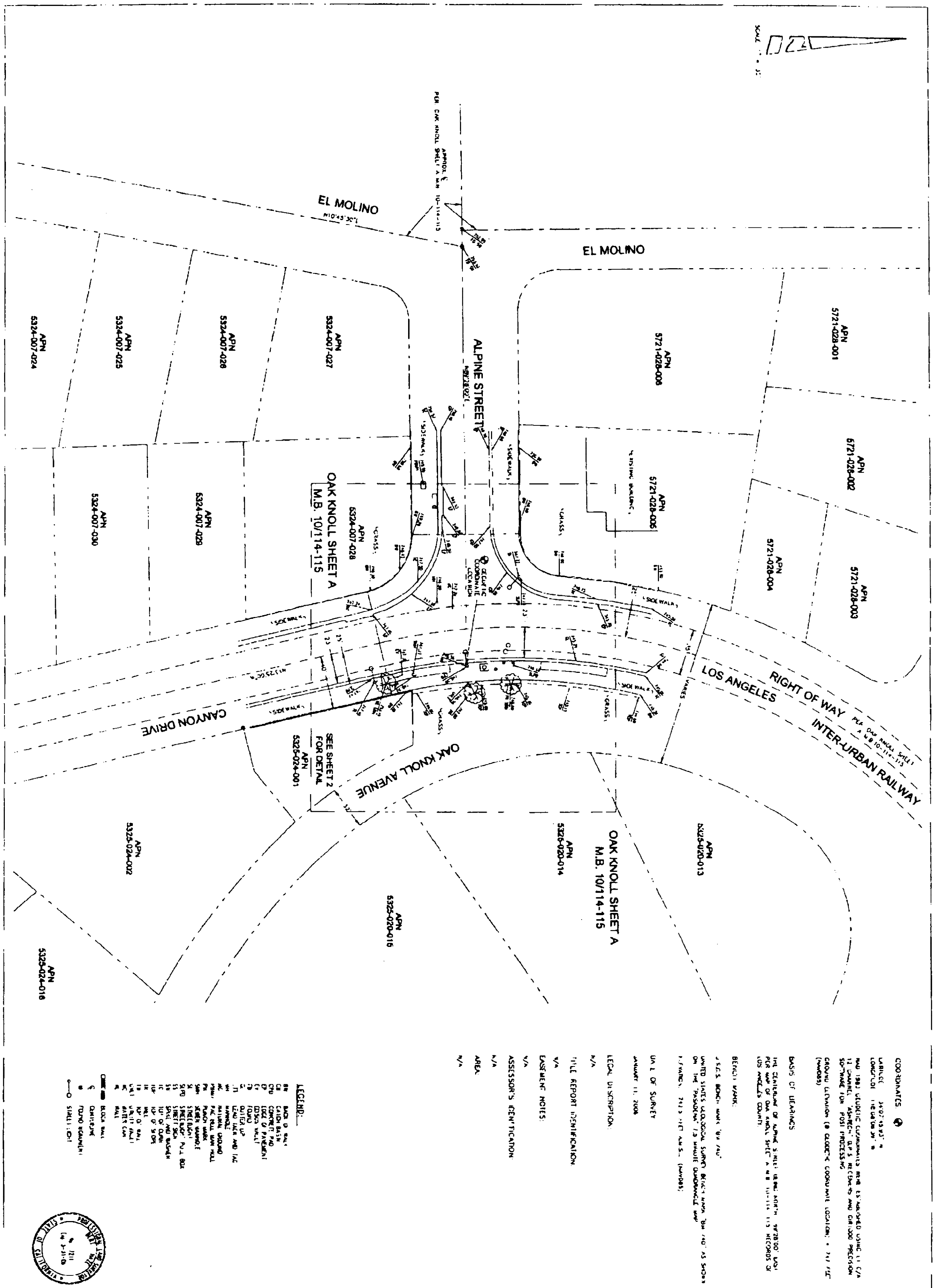
SHEET TITLE

EQUIPMENT DETAILS

PERMIT NO.:	
DATE:	
CITY:	PASADENA
COUNTY:	LOS ANGELES
SITE NO.:	IE05095
LOCATION:	(ADDRESS PENDING)

OAK KNOLL AVE. AND ALPINE ST.
PASADENA, CA 91126

SHEET 4 OF 4


EL MOLINO
EL MOLINO
ALPINE STREET
CANYON DRIVE
OAK KNOLL AVENUE
LOS ANGELES INTER-URBAN RAILWAY
RIGHT OF WAY
OAK KNOLL SHEET A
M.B. 10/114-115
OAK KNOLL SHEET A
M.B. 10/114-115
SEE SHEET 2 FOR DETAIL
APN 5324-007-024
APN 5324-007-025
APN 5324-007-026
APN 5324-007-027
APN 5324-007-028
APN 5324-007-029
APN 5324-007-030
APN 5721-028-001
APN 5721-028-002
APN 5721-028-003
APN 5721-028-004
APN 5721-028-005
APN 5721-028-006
APN 5325-024-001
APN 5325-024-002
APN 5325-024-016
APN 5325-020-013
APN 5325-020-014
APN 5325-020-016
SIDEWALK
GRASS
COORDINATES
BASIS OF BEARINGS
BENCH MARK
DATE OF SURVEY
JANUARY 11, 2006
LEGAL DESCRIPTION
N/A
TITLE REPORT IDENTIFICATION
N/A
EASEMENT NOTES
N/A
ASSESSOR'S IDENTIFICATION
N/A
AREA
N/A
LEGEND

SCALE 1" = 30'	DATE 01/18/06	SHEET 1 OF 2

TOPOGRAPHIC SURVEY

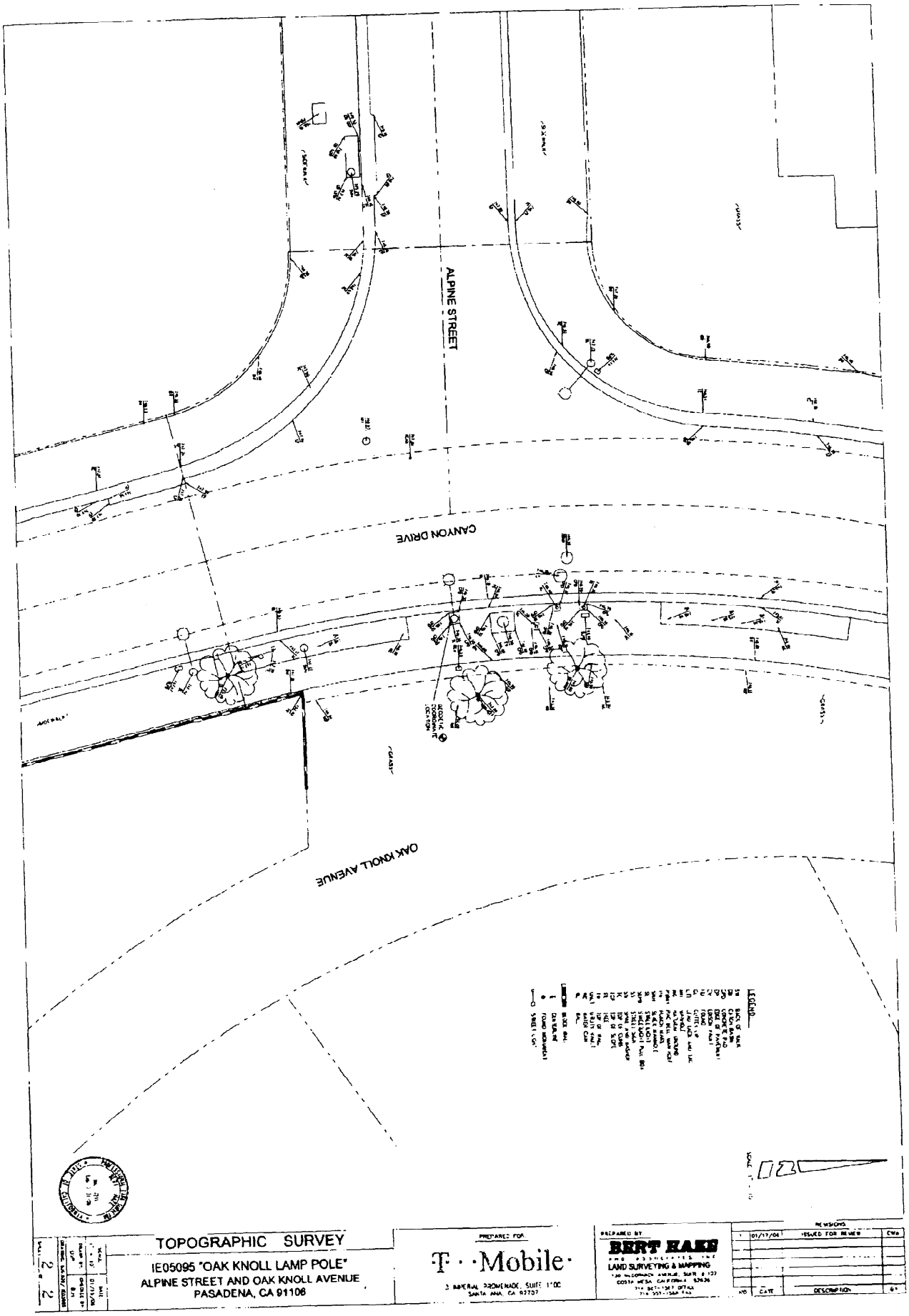
IE05095 "OAK KNOLL LAMP POLE"
ALPINE STREET AND OAK KNOLL AVENUE
PASADENA, CA 91106

PREPARED FOR
T · · Mobile ·
3 IMPERIAL PROMENADE, SUITE 1100
SANTA ANA, CA 92707

PREPARED BY:
BERT HAZE AND ASSOCIATES, INC.
LAND SURVEYING & MAPPING
COSTA MESA, CALIFORNIA

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	01/17/06	ISSUE FOR REVIEW	



TOPOGRAPHIC SURVEY

IE05095 "OAK KNOLL LAMP POLE"
ALPINE STREET AND OAK KNOLL AVENUE
PASADENA, CA 91106

PREPARED FOR
T··Mobile·
3 AERIAL PROMENADE, SUITE 1100
SANTA ANA, CA 92707

PREPARED BY
BERT KAEI
LAND SURVEYING & MAPPING

NO	DATE	DESCRIPTION	BY
1	01/17/06	ISSUED FOR REVIEW	CWo

Brack Duker
1430 Hillcrest Avenue
Pasadena, CA 91106
Phone: (626) 449-4881
Fax: (626) 449-1906

April 24, 2007

BY FASCIMILE
AND SURFACE MAIL

William Bogaard, Mayor
City of Pasadena
311 Congress Place
Pasadena, California 91105-2909

Sidney F. Tyler, Jr.
City Council
District 7
969 S. Madison Avenue
Pasadena, CA 91106

Dear Bill and Sid;

On Monday, April 30, the City Council is to consider an appeal by T-Mobile to the BZA's denial of T-Mobile's application to construct a cell tower and related underground vault at Oak Knoll and Alpine. This tower and related vault would have a major, negative impact on the residential character of the area and the approval of such a commercial facility for a neighborhood would establish a very dangerous precedent for Pasadena.

Enclosed is a one page legal analysis supporting the BZA's decision which was prepared by the attorney working with me on this matter. In short, the Council should either refuse to consider the appeal for the procedural reasons cited or uphold the BZA's decision on the merits.

I ask that you support the BZA's decision and vote to deny T-Mobile's appeal.

Yours very truly,

Brack Duker

Enclosures

cc: Gideon Kracov, Esq., w/out attachments

04/30/2007
6.C. 7:30 P.M.

Comments on City of Pasadena M Conditional Use Permit #4808
(Wireless Antenna and Vault Installation on Oak Knoll Avenue at Alpine Street)

The City Council Should Not Hear Any Appeal

The BZA's decision to deny the CUP is not appealable to the Pasadena City Council. Pursuant to Municipal Code § 17.72.040, this CUP permit is not appealable to the City Council because a CEQA exemption was prepared for the project. The Code explicitly provides that such "*categorically exempt projects . . . are not appealable to the council and the Board of Zoning Appeals shall be the final decisionmaker.*" (emphasis added.) Therefore, the BZA decision is final and the Council's hearing of the applicant's appeal violates the City's Code.

Federal and State Law Do Not Preempt Local Zoning Laws or the City of Pasadena's Regulation of Cellular Installations

Contrary to the applicant's assertions, the federal Telecommunications Act of 1996 generally preserves local zoning and land use authority for cellular installations. The Act limits health risk claims for compliant federal radio (**RF**) emissions but Congress rejected industry's attempts to preempt local zoning. So too, under California law, municipalities may exercise reasonable control as to "time, place, and manner" and to prevent interference with the public use. Pub. Util. Code § 7901.1. The standard of review of a municipality's zoning decision is whether it is supported by "substantial evidence." AT&T Wireless PCS, Inc. v. Winston-Salem Zoning Board of Adjustment, 172 F.3d 307, 313-314 (4th Cir. 1999). The burden of proof is on the applicant cellular provider.

The BZA's Decision to Deny the Application is Supported by Substantial Evidence and Should Be Upheld

Pasadena's Municipal Code §§ 17.22.030, 17.50.310 requires a conditional use permit (**CUP**) for cellular sites. This decision is discretionary and the Municipal Code § 17.61.050 requires that the project satisfy all special CUP requirements. Here, the Board of Zoning Appeals (**BZA**) properly heard testimony, considered the facts and documents, rendered a decision and issued written findings supported by substantial evidence. It heard the applicant's evidence on existing cellular coverage. It considered the high traffic project area adjacent to several homes. It reviewed the design for a thirty-five foot pole and antenna and an extensive underground telecommunications vault with noisy vents above. The provider T-Mobile will not share this equipment – a factor causing proliferation of installations in the area. The BZA concluded that the "proposed use is not in conformance" with the City's "goals, policies and objectives" and "not compatible with the surrounding residential neighborhood . . ." It concluded that the public use will be impacted adversely and that a more thorough discussion of alternatives is required. This conclusion is well-reasoned and there is a fair argument of the project's significant impacts on the environment. This is more than mere replacement of a light pole.

T-Mobile

SITE JUSTIFICATION PACKAGE

IE05095B
Oak Knoll Lamp Pole

4/30/07
Item 6.C.
7:30 p.m.

T-Mobile

OVERVIEW

- Why is the site needed?

- Why the surrounding sites cannot be modified to solve the problem?

- Why the project cannot be placed in a commercial area?

- Review of supporting area maps

Why is the site needed and what are the driving factors?

To improve street level and indoor coverage at Oak Knoll Rd & Canon Dr and surrounding areas. Proposed site (Oak Knoll Lamp Pole) will dramatically reduce dropped calls currently experienced by some of the 652 T-Mobile subscribers that are in a .5 mile area of this location.

Factors taken into consideration were drop calls and customer complaints of which 21 were received within past 90 days for poor coverage.

Why the surrounding sites cannot be modified to solve the problem?

Fluctuations in terrain and heavy vegetation are factors to why existing cells do not contribute to enhancing coverage near Oak Knoll/Canyon Drive and surrounding areas.

Current network performance is being compromised due to existing cells attempting to cover into area of low coverage near Oak Knoll / Canyon Drive. Surrounding cells average 85 drops per day due to this coverage issue.

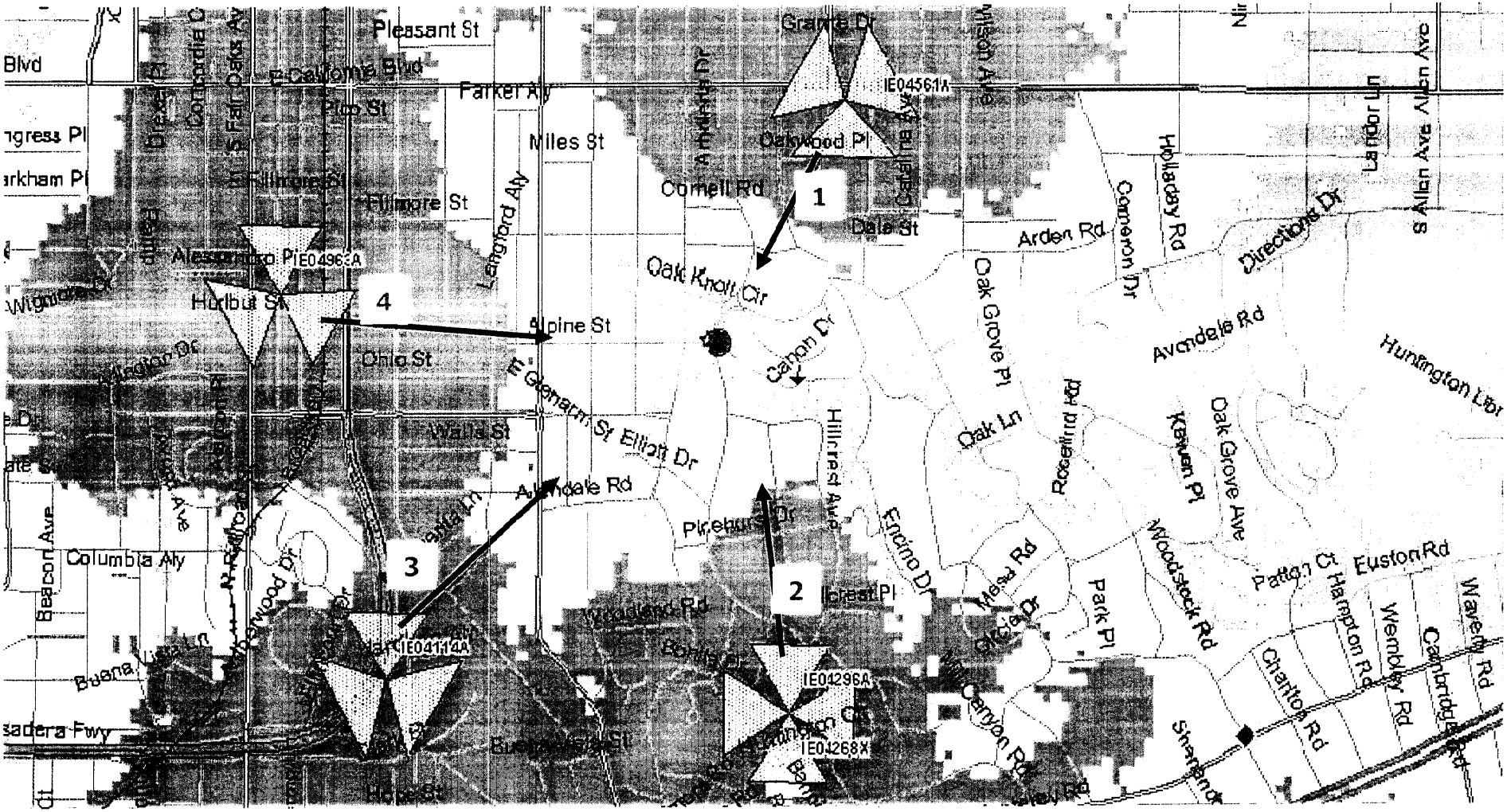
Why the project cannot be placed in a commercial area

There is approx a 0.3 mile radius around Oak Knoll Rd where the site could be located and provide good coverage. With the area being primarily residential there were no identifiable alternates for consideration except Oak Knoll Lamp Pole. Moving site location to a commercial area would not meet RF coverage objectives in the desired areas around Oak Knoll Rd and Canon Dr. in the City of Pasadena.

T-Mobile

Drop Call statistical summary data for neighboring sites looking towards IE05095B

The four surrounding sectors shown have had ~ 2530 drops over the past 30days.
This is an average of 84.4 drops per day due to low street level and indoor coverage.



T-Mobile

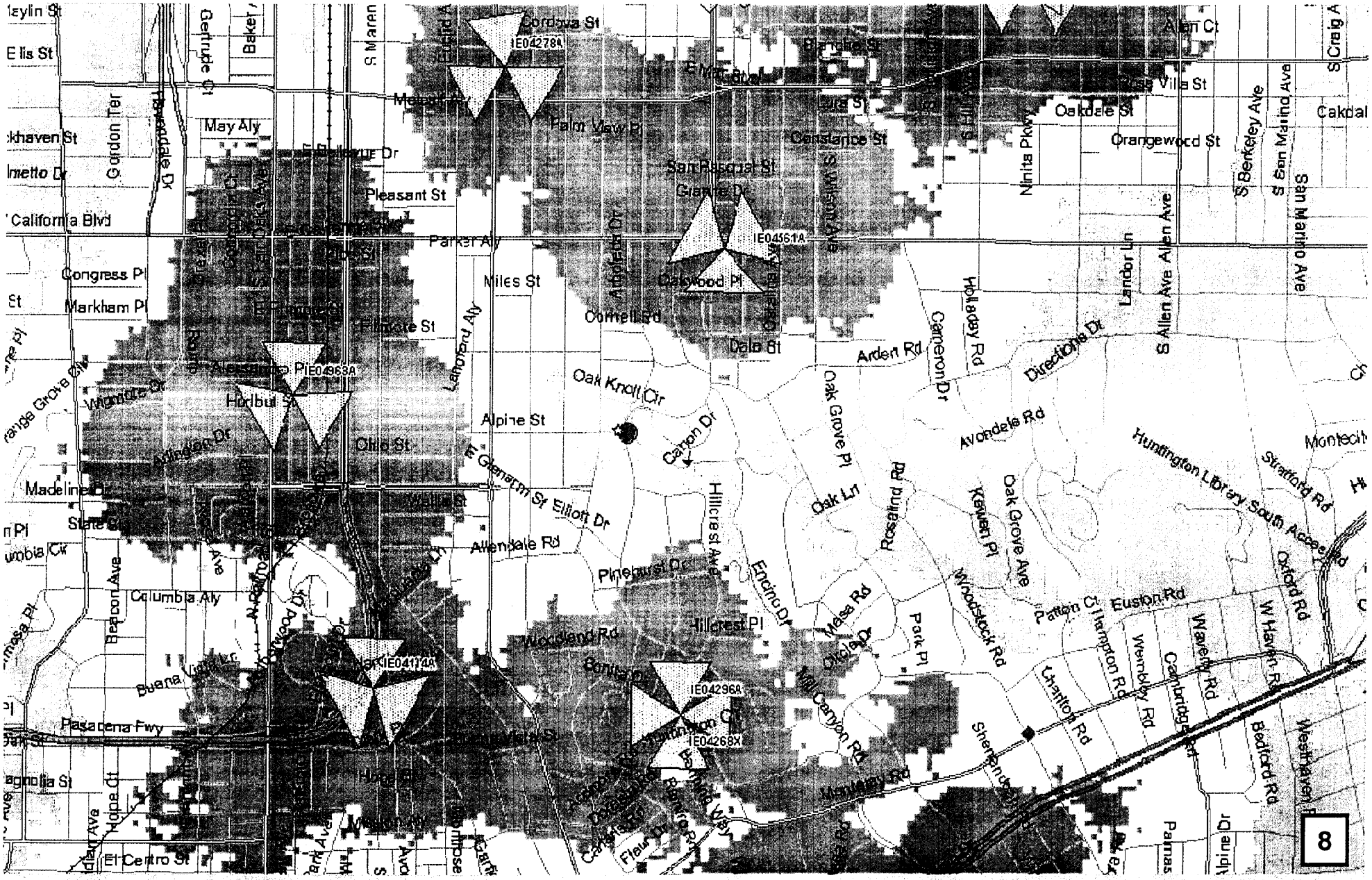
Aerial View for IE05095B; Zoomed (-)

T-Mobile

Aerial View for IE05095B; Zoomed (+)

T-Mobile

Coverage of surrounding sites WITHOUT IE05095B



● = IE05095B – Oak Knoll Lamp Pole

5-4 Bars of signal

3 Bars of signal

2–0 Bars of signal

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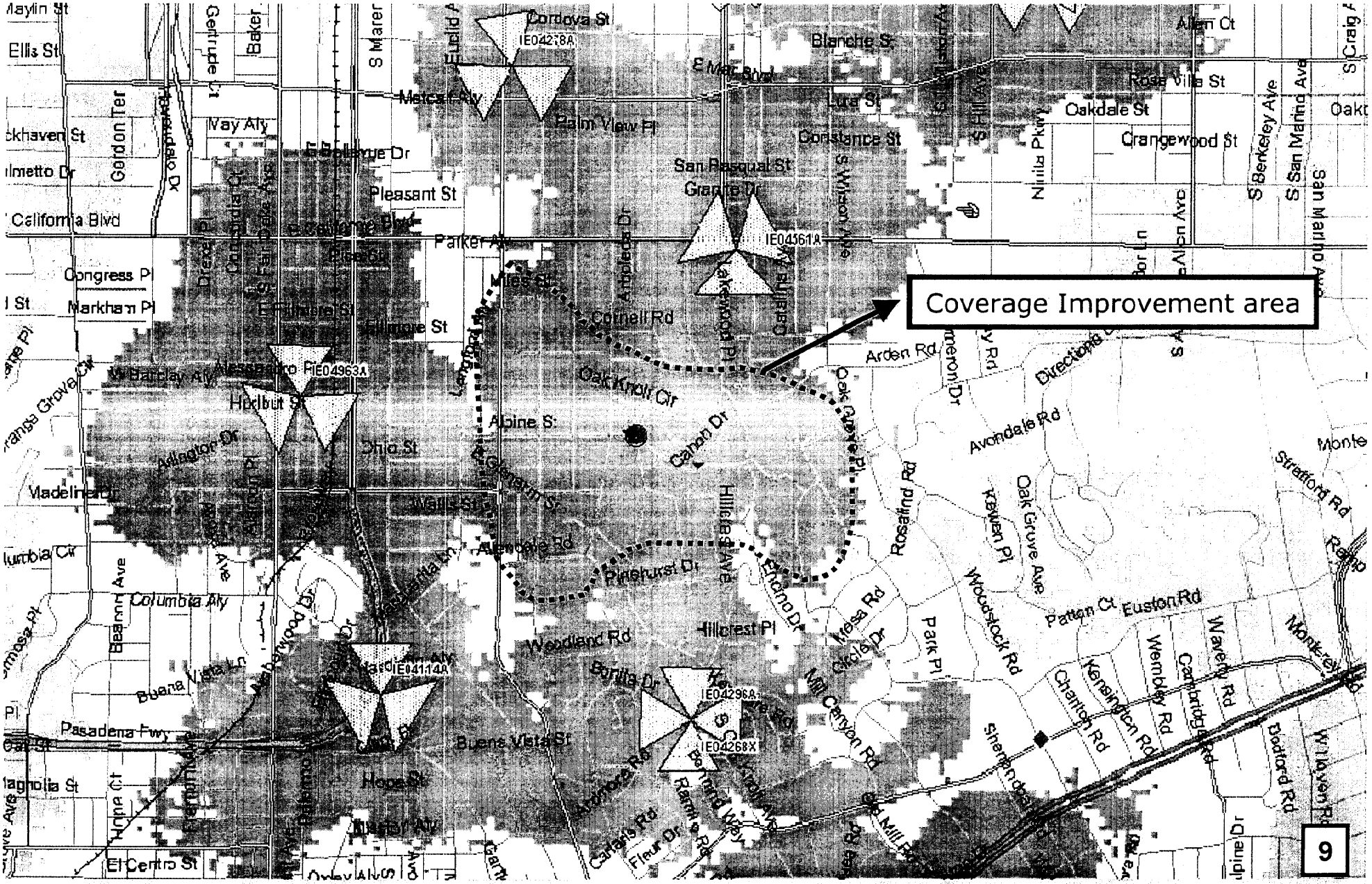
Coverage of surrounding sites WITH IE05095B



● = IE05095B – Oak Knoll Lamp Pole

5-4 Bars of signal

3 Bars of signal

2–0 Bars of signal

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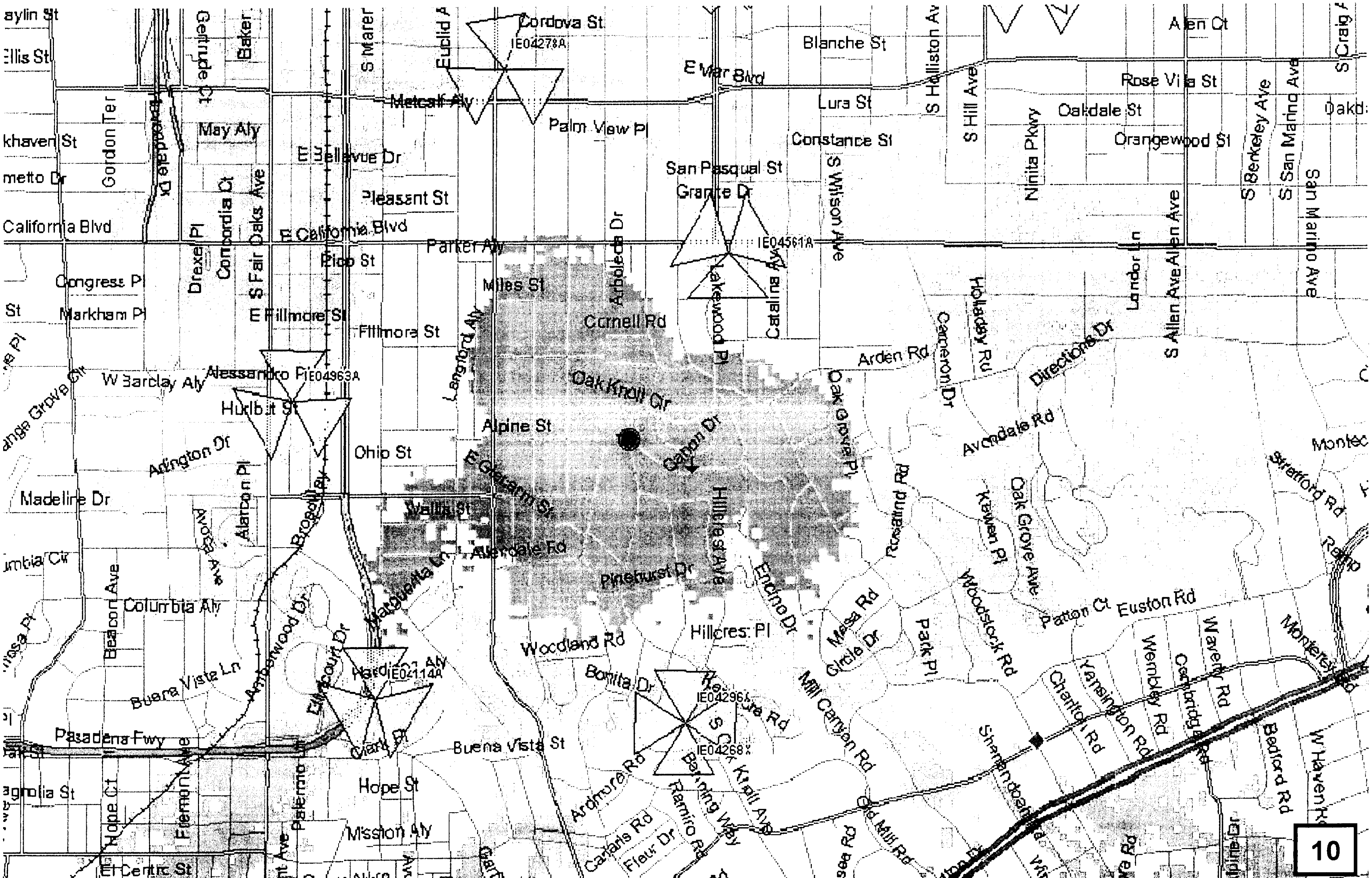
Coverage of IE05095B ONLY



● = IE05095B – Oak Knoll Lamp Pole

5-4 Bars of signal

3 Bars of signal

2–0 Bars of signal

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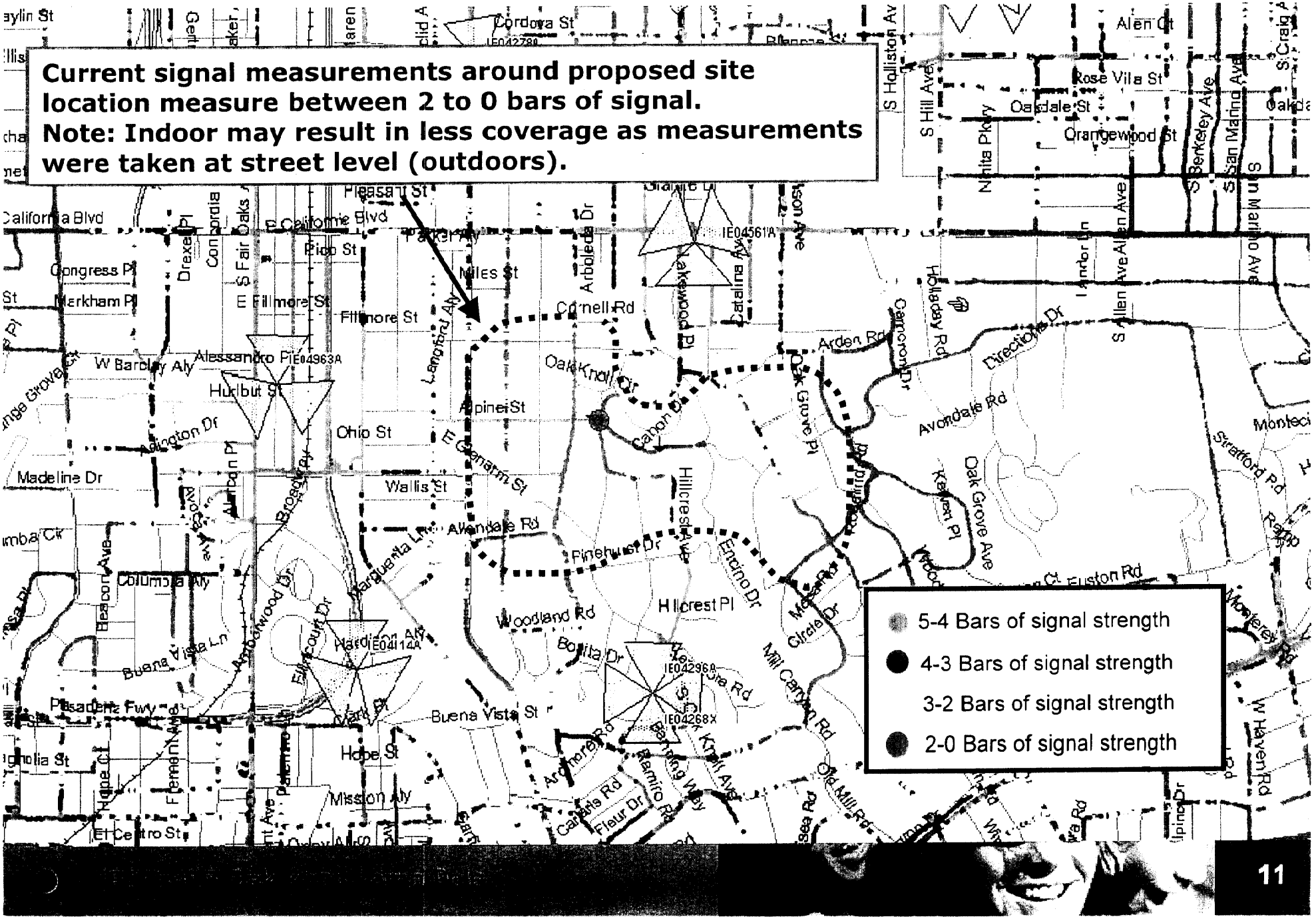
Signal Quality Summary



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THANK YOU