



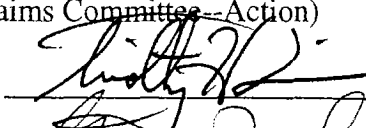
MWD

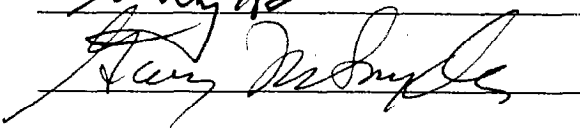
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

8-11

July 29, 1997

To: Board of Directors (Legal and Claims Committee--Action)

From: *for* General Manager 

Submitted by: Gary M. Snyder
Chief Engineer 

Subject: Resolution of Necessity Directing the General Counsel to Condemn Property Required for the Inland Feeder Project in the City of Redlands, County of San Bernardino, California, identified by Assessor's Parcel Numbers, MWD's Right-of-Way Parcel Numbers and Owners' Names on the Attachment hereto. [Two-thirds vote required]

RECOMMENDATION

It is recommended that the Board of Directors adopt, by a two-thirds vote, the attached resolution declaring the necessity for the Project and for the properties described in Exhibits A and B, attached thereto, and directing the General Counsel to commence condemnation proceedings in San Bernardino County to acquire the easements.

EXECUTIVE SUMMARY

The Metropolitan Water District will require the tunnel easements across the real property described in Exhibits A and B, attached hereto, located in San Bernardino County, California, for portions of the Inland Feeder Project. Offers to purchase the easements as required by California Government Code section 7267.2 were made, but no agreements have been reached. A resolution of necessity is recommended to authorize the commencing of an eminent domain action to acquire the properties.

DETAILED REPORT

Metropolitan seeks to acquire permanent tunnel easements through fourteen residential properties located in the City of Redlands south of the 10 freeway. These tunnel easements are required for the construction and operation of the Inland Feeder Project.

The Riverside Badlands Tunnel for the Inland Feeder Project will be constructed through a mountainous area in east Redlands. The tunnel will be over 400 feet in depth below this residential neighborhood. Tunnel easements are required under each of the parcels listed in the Attachment. All of the parcels except Parcel INFED1-21-210PEA1 are improved with single family residences. The easements have been appraised at a nominal value of \$1,000. Offers to purchase the easements have been made to the owners of each parcel, but no agreement has been reached for any of the parcels.

On July 1, 1997, notices of intention to adopt a resolution of necessity and for an opportunity to appear and be heard before the Special Committee on Real Property Management on July 22, 1997, as to the necessity for the Project and the taking of the easements, were served on the property owners. Several parties responded and addressed the Special Committee on Real Property Management as set forth in the attached Summary of Hearing and Recommendation of the Special Committee on Real Property Management.

Transmitted herewith is the form of resolution declaring the necessity of the Project and the acquisition of the easements described in Exhibits A and B, attached thereto, and directing the General Counsel to commence condemnation proceedings in San Bernardino County to acquire the easements.

On February 9, 1993, your Board certified that the Final Environmental Impact Report for the Inland Feeder Project had been completed in compliance with the California Environmental Quality Act (CEQA) and the State Guidelines, and that it had reviewed and considered the information contained in that document. Your action on the subject resolution is therefore in compliance with CEQA. No further environmental documentation or review is necessary for your Board to act on this request.

SUMMARY OF HEARING AND RECOMMENDATION
OF THE SPECIAL COMMITTEE ON
REAL PROPERTY MANAGEMENT REGARDING ADOPTION
OF A RESOLUTION OF NECESSITY TO CONDEMN
CERTAIN PROPERTY FOR THE INLAND FEEDER PROJECT

On July 22, 1997, at the offices of The Metropolitan Water District of Southern California, a hearing was held by the Special Committee on Real Property Management of the Board of Directors. Committee Chairman Jerry King presided. The Committee was called to order and a quorum was present.

Deputy General Counsel Joseph Vanderhorst made a presentation to the Committee regarding the Inland Feeder Project. He stated that the Project has been under study since 1988, and is needed to provide additional conveyance capacity in Metropolitan's system. This will increase the efficiency of ground and surface water storage, improve system reliability by creating an alternative delivery system to the Colorado River Aqueduct, and allow an increase in water quality by blending Colorado River and State Water Project water. Five alternative alignments were studied during the planning process, and in February, 1993, Metropolitan's Board of Directors certified the Final EIR for the Project and selected the Far East Combination alignment as the preferred alternative. Mr. Vanderhorst submitted a copy of the Final EIR and the Statement of Findings into the record.

Mr. Vanderhorst advised the Committee that the parcels which are the subject of the hearing are located in the area of the Project known as the Riverside Badlands Tunnel. All of the rights being acquired are subsurface easements, and no surface rights are involved. The properties are located within a residential tract south of the 10 freeway in the City of Redlands. Each of the easements sought for acquisition were appraised in accordance with Uniform Standards of Professional Appraisal Practice, and have been certified as being prepared in accordance with the unbiased professional analysis of each appraiser. The full amount of each appraisal was offered to the owners of each property, along with a summary statement of the appraisal. Mr. Vanderhorst submitted copies of the offer letters and appraisal summaries into the record.

Mr. Vanderhorst further advised the Committee that notice of the hearing on adoption of the resolution of necessity had been sent to the record owners of each property, and he submitted a copy of the proof of service of the notice into the record. He advised the Committee that the purpose of the hearing is to make a determination regarding whether the public interest and necessity require the proposed Project, whether the Project is planned or located in the manner that will be most compatible with the greatest public good and the least private injury, whether the property to be acquired is necessary for the Project, and whether the property owner had been offered the full amount of the appraised value for the property interests sought to be acquired.

Project Manager James Gallanes then made a presentation regarding the Project and the subject properties. Mr. Gallanes described the tunnel as a 12-foot inside diameter facility that will be between 400 to 500 feet below the surface of the properties. The contractor will be allowed to use either a tunnel boring machine or "drill and blast" methods for constructing the tunnel. In either construction method, the contractor will be limited to avoid vibrations being felt at the ground surface. There will be no restrictions on use of the ground surface as a result

of the easements. The tunnel will have a steel lining to prevent groundwater infiltration, although the tunnel is sufficiently below the ground that no water from the tunnel would reach the surface.

Directors Peterson and Little asked about the need for, and impact of, using the "drill and blast" method of construction. Mr. Gallanes responded that it was an option for the contractor to use this method due to the type of rock material which would be encountered in construction. He presented rock cores from the subject area showing that the rock has a very high strength. Monitoring devices would be placed at the surface to measure vibrations from this type of construction, and the contractor would be required to keep the size of blasts small enough to avoid problems with vibrations at the surface. Director Mylne inquired about the length of time it would take to construct the tunnel under this neighborhood. Mr. Gallanes responded that it is expected to take six to nine months to complete tunneling work in the area. Director Mylne further inquired whether any survey work of the surface has been performed. Mr. Gallanes answered that elevations have been surveyed in the area but no settlement is expected to occur due to the hard rock material in which the tunnel is being built. Director Little asked whether any sound would be heard at the surface from the tunneling work. Mr. Gallanes stated that no noise would be heard at the surface.

Chairman King invited the property owners and their representatives to make presentations to the Committee. A presentation was made by Leland McIlheny, attorney for David and Shirley Carson, Jeff and Barbara Engel, Joseph Fletes, Theresa Frost, Khalil and Marie Saba, Dominic and Kimberly Scolieri, Maurice Shumaker, Richard Trafton and Beth McGuire. Mr. McIlheny stated that they felt the appraisal did not take into consideration any severance damages to the property for diminution in value due to the presence of the tunnel; and further stated it was unclear if all the owners had received purchase offers. In particular, owners are concerned about the impacts of drill and blast construction under their properties. He also urged that other routes should have been selected which do not affect these owners. Finally, he asked that Metropolitan's staff be directed to continue negotiations with the owners, even if the resolution of necessity is adopted.

Mr. Vanderhorst responded that the appraisers did consider severance damages and concluded that there would be no such damage because there was no interference with the surface use of each property. Therefore, the conclusion is that there is no loss in value due to the easement. Director Little asked whether the value of the easements is the same regardless of the length on each property. Mr. Vanderhorst answered that all of the easements were appraised for the same, nominal value. The value was based on comparing the value of the property in the before and after condition, and no change in value was found by the appraisers.

Director Morris moved to recommend approval of the resolution of necessity. The motion was seconded, and the Committee voted to approve the recommendation, with Director Parker voting against.

RESOLUTION

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA DIRECTING THE CONDEMNATION OF CERTAIN PROPERTY SITUATED IN THE COUNTY OF SAN BERNARDINO (INLAND FEEDER PROJECT)

BE IT RESOLVED by the Board of Directors of The Metropolitan Water District of Southern California (the "District").

Section 1. The District's Board hereby finds and determines that the public interest and necessity require, for public use, the construction, operation and maintenance of water conveyance facilities ("Inland Feeder Project") in the County of San Bernardino for the transportation and distribution of water for use within the District's boundaries and that certain properties situated in the County of San Bernardino are necessary therefor.

Section 2. The easements to be acquired for the public use set forth in section 1, above, consist of the parcels of land described in Exhibits A attached hereto and incorporated herein by reference and shown on Exhibits B attached hereto and incorporated herein by reference. The properties are not located within the District's boundaries.

Section 3. The District's Board hereby declares its intention to acquire the easements described in Exhibits A and B attached, by proceedings in eminent domain as authorized by the Metropolitan Water District Act (Stats. 1969, Ch. 209, as amended).

Section 4. The District's Board hereby finds and determines that the proposed Project is planned or located in the manner that will be most compatible with the greatest public good and the least private injury.

Section 5. The District's Board hereby finds and determines that the easements described in Exhibits A and B attached hereto are necessary for the proposed Project.

Section 6. The District's Board hereby finds and determines that the offers required by Government Code section 7267.2 have been made to the owners of record of the properties described in Exhibits A and B, attached hereto.

Section 7. The District's General Counsel is hereby directed to commence proceedings in the Superior Court of California, County of San Bernardino for the purpose of condemning and acquiring the easements described in Exhibits A and B attached hereto, and to take such steps as may be necessary to secure an order of court permitting the District to take possession of the easements described in Exhibits A and B attached hereto for the uses and purposes herein described. He is authorized to take such actions and steps as he deems necessary

in connection with such proceedings, including the amending of the complaint to reduce the extent of the easements to be acquired so as to reduce the compensation payable in the action where such change could not substantially impair the construction and operation of the said public works, and to incur expenses necessary and incidental to the action.

I HEREBY CERTIFY that the foregoing resolution was adopted at the regular meeting of the Board of Directors of The Metropolitan Water District of Southern California held the 19th day of August, 1997, by vote of two-thirds of all its members, and I further certify that the foregoing is a full, true and correct copy of the resolution.

Executive Secretary
The Metropolitan Water District of
Southern California

ATTACHMENT TO LETTER 8-11

Assessor's Parcel No.	MWD Parcel No.	Owner's Name
300-263-03	INFED1-16-320PEA1	George W. and Nancy J. Hrachiar, Trustees
300-264-03	INFED1-17-310PEA1	Rafael and Guadalupe R. Fletes
300-264-07	INFED1-17-320PEA1	Khalil N. and Marie K. Saba
300-264-08	INFED1-17-330PEA1	Theresa Frost
300-071-16	INFED1-18-260PEA1	Maurice and Novella Shumaker, Trustees
300-071-13	INFED1-18-270PEA1	Dominic Scolieri
300-071-14	INFED1-18-280PEA1	James and Dona Reineman
300-071-15	INFED1-19-310PEA1	Richard D. and Shirley M. Carson, Trustees
300-071-12	INFED1-19-320PEA1	Jeanice M. Vore, Trustee
300-061-22	INFED1-19-330PEA1	Richard S. Trafton, Beth A. McGuire
300-041-21	INFED1-21-210PEA1	Ralph G. and Carol A. Ossko
300-041-22	INFED1-21-220PEA1	Geoffrey H. and Barbara S. Engel
300-041-23	INFED1-21-230PEA1	David R. and Ronnie G. Croughan
300-041-18, -19	INFED1-21-240PEA1	Gary L. and Deborah L. Maddox

EXHIBIT A

A permanent easement to construct, operate, maintain, and reconstruct a tunnel for the purpose of transporting water through and across each of the properties located in the County of San Bernardino, State of California, described herein as Parcels INFED1-16-320PEA1, INFED1-17-310PEA1, INFED1-17-320PEA1, INFED1-17-330PEA1, INFED1-18-260PEA1, INFED1-18-270PEA1, INFED1-18-280PEA1, INFED1-19-310PEA1, INFED1-19-320PEA1, INFED1-19-330PEA1, INFED1-21-210PEA1, INFED1-21-220PEA1, INFED1-21-230PEA1, and INFED1-21-240PEA1, and shown on the Exhibits B, attached hereto;

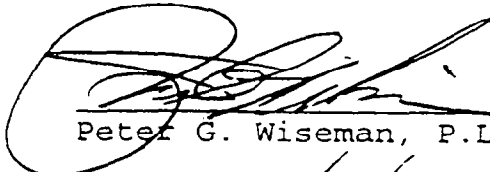
EXHIBIT A

INFED1-16-320PEA1
(Tunnel Easement)
George W. Hrachiar and
Nancy J. Hrachiar,
Trustees.

That portion of Lot 29 of Tract No. 5271, in the County of San Bernardino, State of California, as per Map recorded in Book 66, Pages 7 and 8 of Maps, in the Office of the County Recorder of said County, lying between the elevations of 1672.0 feet and 1757.0 feet, inclusive, based on the North American Vertical Datum of 1988 as published in May 1994 by the National Geodetic Survey, and lying within the following described strip of land 100 feet wide lying 50 feet, measured at right angles, on each side of the following described line:

Commencing at the north quarter corner of Section 7, Township 2 South, Range 2 West, San Bernardino Meridian, as marked by a 2" i.p. stamped "L.S. 2345" up 1.3' as shown on Record of Survey filed in Book 100, pages 100 through 102, inclusive, of Record of Surveys, records of said County; thence easterly along the north line of said Section 7, S 85° 39' 49" E 298.04 feet to the TRUE POINT OF BEGINNING of said described line; thence S 03° 14' 40" E 5089.05 feet; thence S 04° 10' 49" E 345.97 feet to a point on the south line of said Section 7, said point being N 87° 26' 03" W 2119.80 feet from the southeast corner of said Section 7, as marked by a 3" Brass Disk stamped "S.B. COUNTY T2S S7-S8 RIV. COUNTY R2W S18-S17" as shown on said Record of Survey.

PREPARED UNDER MY SUPERVISION


Peter G. Wiseman, P.L.S. 6241
Date 4/10/97

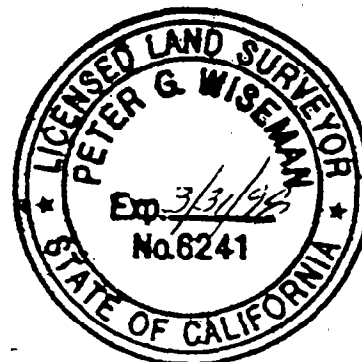


EXHIBIT B

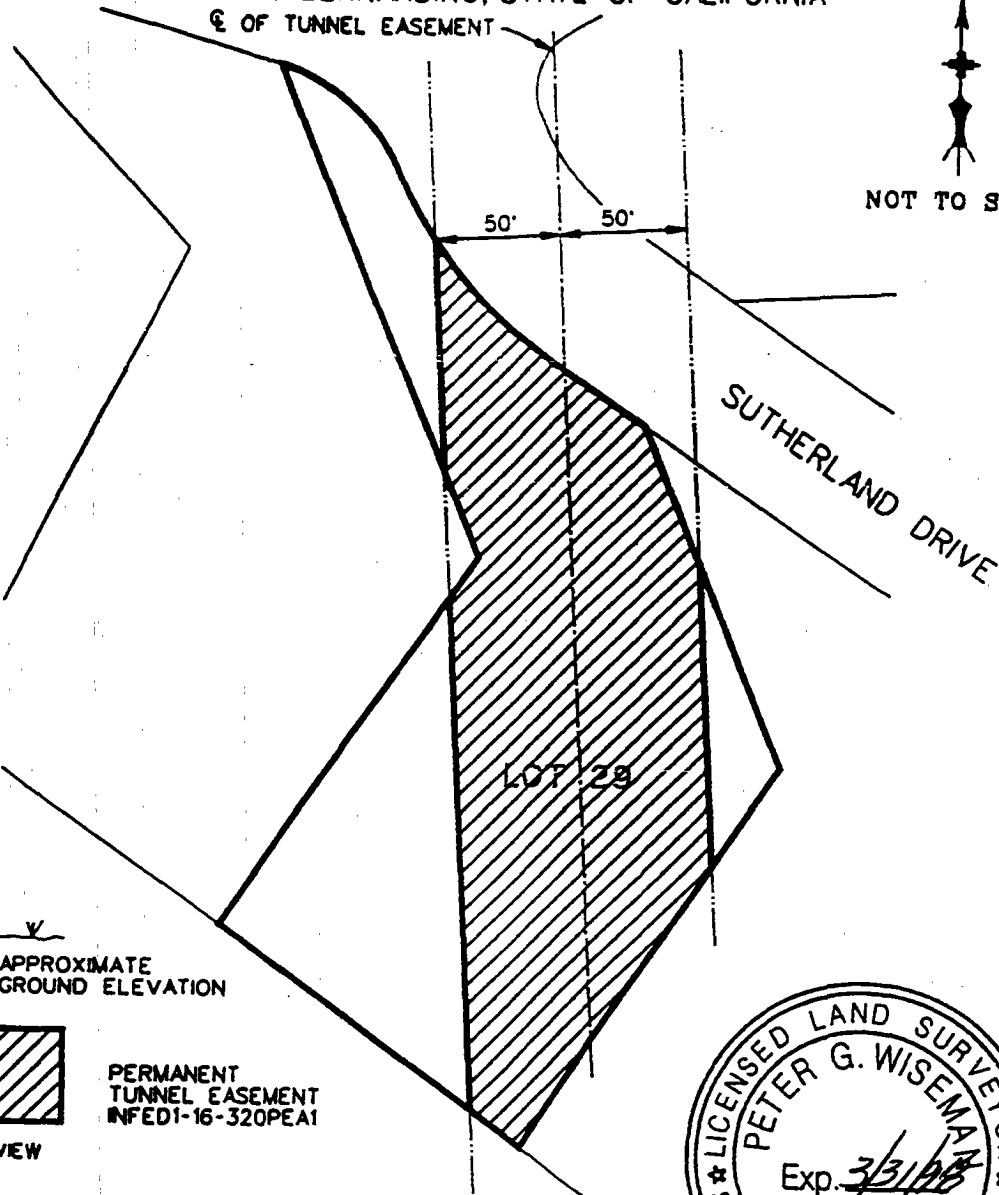
"THIS EXHIBIT IS TO BE ATTACHED TO THE LEGAL DESCRIPTION"
POR. LOT 29, TRACT NO. 5271, M.B. 66, PG. 7-8.

SEC. 7, T. 2 S., R. 2 W., S.B.M.

COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA
E OF TUNNEL EASEMENT



NOT TO SCALE



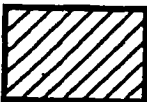
LEGEND

EL. 2169'



APPROXIMATE
GROUND ELEVATION

EL. 1757.0'

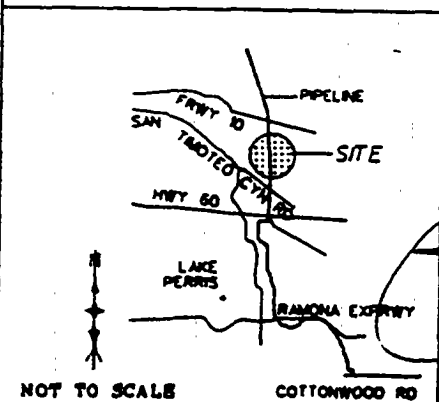


PERMANENT
TUNNEL EASEMENT
INFED1-16-320PEA1

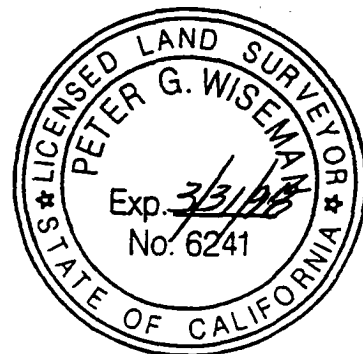
EL. 1672.0'

END VIEW

VICINITY MAP



PREPARED UNDER
MY SUPERVISION



Peter G. Wiseman P.L.S. 6241

DATE

4/10/97

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA
INLAND FEEDER
PERMANENT TUNNEL EASEMENT
(RIVERSIDE BADLANDS TUNNEL)
GEORGE W. HRACHIAR AND
NANCY J. HRACHIAR, TRUSTEES
TO
MWD
INFED1-16-320PEA1

EXHIBIT A

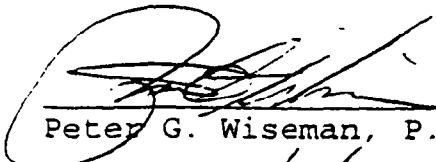
INFED1-17-310PEA1
(Tunnel Easement)
Rafael Fletes, et ux.

That portion of Lot 5 of Tract No. 5271, in the County of San Bernardino, State of California, as per Map recorded in Book 66, Pages 7 and 8 of Maps, in the Office of the County Recorder of said County, lying between the elevations of 1672.0 feet and 1757.0 feet, inclusive, based on the North American Vertical Datum of 1988 as published in May 1994 by the National Geodetic Survey, and lying within the following described strip of land 100 feet wide lying 50 feet, measured at right angles, on each side of the following described line:

Commencing at the north quarter corner of Section 7, Township 2 South, Range 2 West, San Bernardino Meridian, as marked by a 2" i.p. stamped "L.S. 2345" up 1.3' as shown on Record of Survey filed in Book 100, pages 100 through 102, inclusive, of Record of Surveys, records of said County; thence easterly along the north line of said Section 7, S 85° 39' 49" E 298.04 feet to the TRUE POINT OF BEGINNING of said described line; thence S 03° 14' 40" E 5089.05 feet; thence S 04° 10' 49" E 345.97 feet to a point on the south line of said Section 7, said point being N 87° 26' 03" W 2119.80 feet from the southeast corner of said Section 7, as marked by a 3" Brass Disk stamped "S.B. COUNTY T2S S7-S8 RIV. COUNTY R2W S18-S17" as shown on said Record of Survey.

The sidelines of said 100 foot wide strip are to be extended or shortened so as to terminate on the north line of said Section 7.

PREPARED UNDER MY SUPERVISION


Peter G. Wiseman, P.L.S. 6241

Date

4/10/97

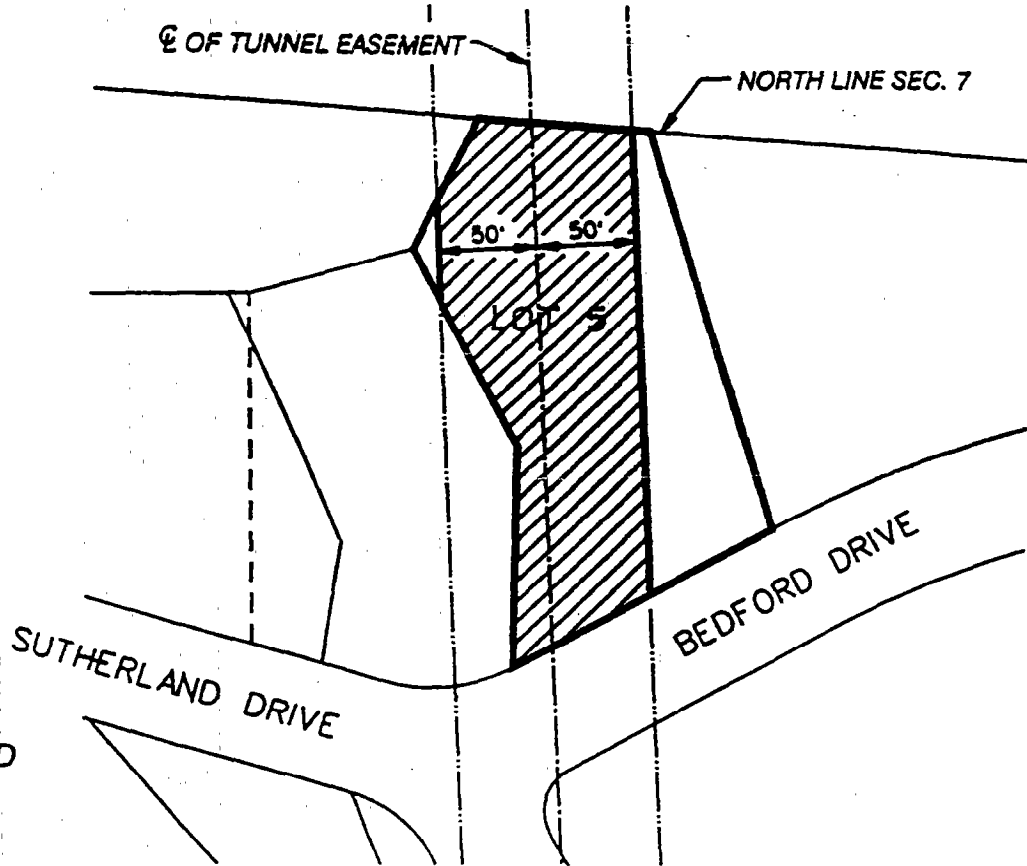


EXHIBIT B

"THIS EXHIBIT IS TO BE ATTACHED TO THE LEGAL DESCRIPTION"
POR. LOT 5, TRACT NO. 5271, M.B. 66, PG. 7-8
SEC. 7, T. 2 S., R. 2 W., S.B.M.
COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA



NOT TO SCALE

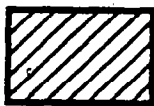


LEGEND

EL. 2195' APPROXIMATE GROUND ELEVATION

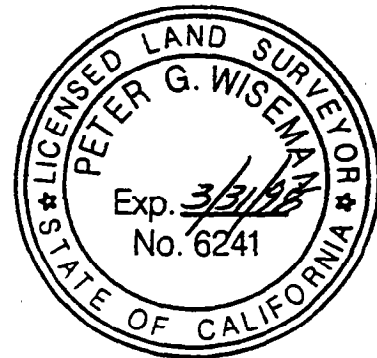
EL. 1757.0'

EL. 1672.0'

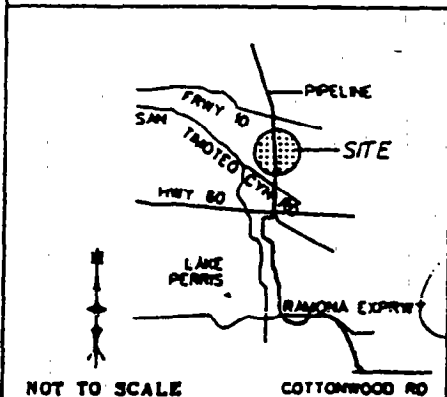


PERMANENT TUNNEL EASEMENT
INFED1-17-310PEA1

END VIEW



VICINITY MAP



PREPARED UNDER
MY SUPERVISION


Peter G. Wiseman P.L.S. 6241

DATE 4/10/97

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

INLAND FEEDER
PERMANENT TUNNEL EASEMENT
(RIVERSIDE BADLANDS TUNNEL)

RAFAEL FLETES, ET UX

TO
MWD

INFED1-17-310PEA1

EXHIBIT A

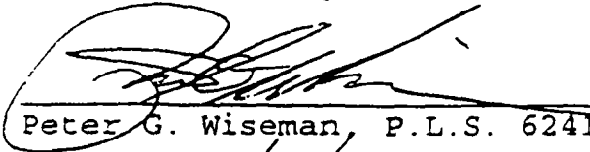
INFED1-17-320PEA1
(Tunnel Easement)
Khalil N. Saba, et ux

That portion of Lot 1 of Tract No. 5271, in the County of San Bernardino, State of California, as per Map recorded in Book 66, Pages 7 and 8 of Maps, in the Office of the County Recorder of said County, lying between the elevations of 1672.0 feet and 1757.0 feet, inclusive, based on the North American Vertical Datum of 1988 as published in May 1994 by the National Geodetic Survey, and lying within the following described strip of land 100 feet wide lying 50 feet, measured at right angles, on each side of the following described line:

Commencing at the north quarter corner of Section 7, Township 2 South, Range 2 West, San Bernardino Meridian, as marked by a 2" i.p. stamped "L.S. 2345" up 1.3' as shown on Record of Survey filed in Book 100, pages 100 through 102, inclusive, of Record of Surveys, records of said County; thence easterly along the north line of said Section 7, S 85° 39' 49" E 298.04 feet to the TRUE POINT OF BEGINNING of said described line; thence S 03° 14' 40" E 5089.05 feet; thence S 04° 10' 49" E 345.97 feet to a point on the south line of said Section 7, said point being N 87° 26' 03" W 2119.80 feet from the southeast corner of said Section 7, as marked by a 3" Brass Disk stamped "S.B. COUNTY T2S S7-S8 RIV. COUNTY R2W S18-S17" as shown on said Record of Survey.

The sidelines of said 100 foot wide strip are to be extended or shortened so as to terminate on the north line of said Section 7.

PREPARED UNDER MY SUPERVISION

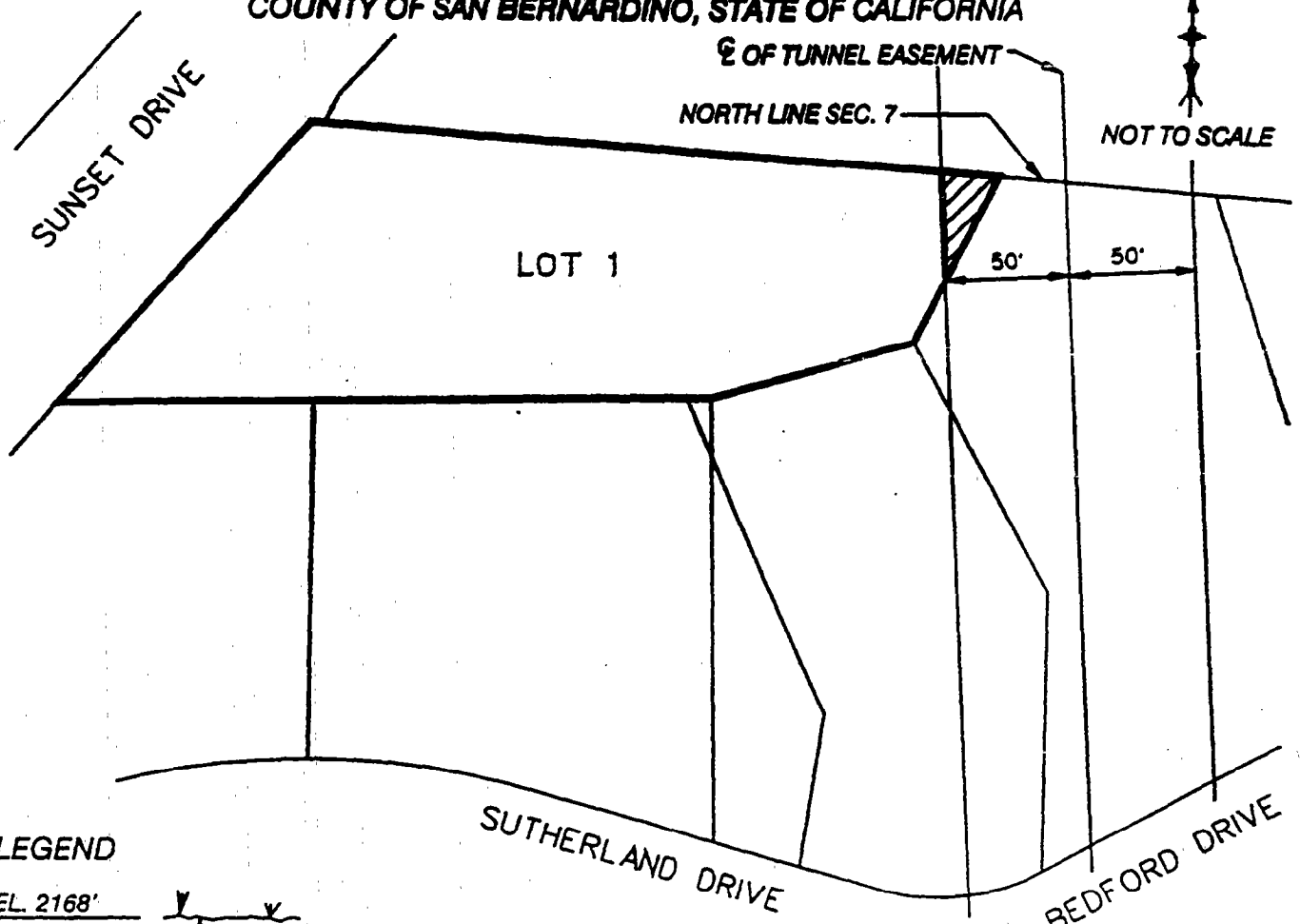

Peter G. Wiseman, P.L.S. 6241

Date 4/10/97



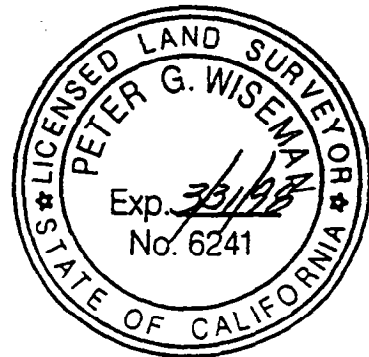
EXHIBIT B

THIS EXHIBIT IS TO BE ATTACHED TO THE LEGAL DESCRIPTION
POR. LOT 1, TRACT NO. 5271, M.B. 56, PG. 7-8
SEC. 7, T. 2 S., R. 2 W., S.B.M.
COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA

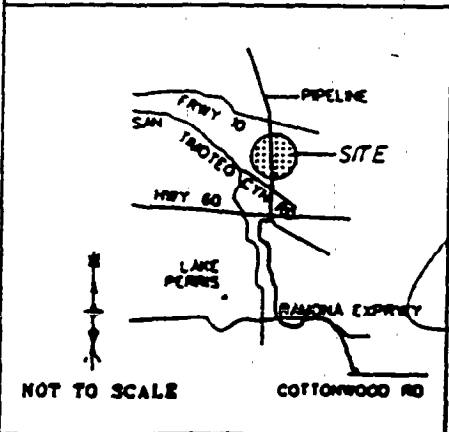


LEGEND

- EL. 2168' APPROXIMATE GROUND ELEVATION
- EL. 1757.0' PERMANENT TUNNEL EASEMENT INFED1-17-320PEA1
- EL. 1672.0' END VIEW



VICINITY MAP



PREPARED UNDER
MY SUPERVISION

Peter G. Wiseman
Peter G. Wiseman P.L.S. 5241

DATE 4/10/97

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

**INLAND FEEDER
PERMANENT TUNNEL EASEMENT**
(RIVERSIDE BADLANDS TUNNEL)
KHALIL N. SABA, ET UX

TO
MWD
INFED1-17-320PEA1

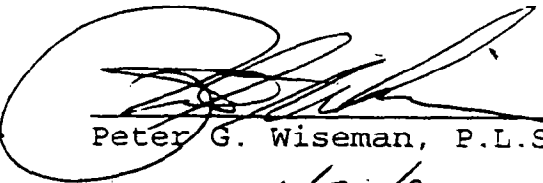
EXHIBIT A

INFED1-17-330PEA1
(Tunnel Easement)
Theresa Frost

That portion of Lot 4, Tract No. 5271, in the County of San Bernardino, State of California, as per Map recorded in Book 66, Pages 7 and 8 of Maps, in the Office of the County Recorder of said County, conveyed by Grant Deed to Theresa Frost, recorded August 16, 1966 in Book 6680, page 560 of Official Records of said County, lying between the elevations of 1672.0 feet and 1757.0 feet, inclusive, based on the North American Vertical Datum of 1988 as published in May 1994 by the National Geodetic Survey, and lying within the following described strip of land 100 feet wide lying 50 feet, measured at right angles, on each side of the following described line:

Commencing at the north quarter corner of Section 7, Township 2 South, Range 2 West, San Bernardino Meridian, as marked by a 2" i.p. stamped "L.S. 2345" up 1.3' as shown on Record of Survey filed in Book 100, pages 100 through 102, inclusive, of Record of Surveys, records of said County; thence easterly along the north line of said Section 7, S 85° 39' 49" E 298.04 feet to the TRUE POINT OF BEGINNING of said described line; thence S 03° 14' 40" E 5089.05 feet; thence S 04° 10' 49" E 345.97 feet to a point on the south line of said Section 7, said point being N 87° 26' 03" W 2119.80 feet from the southeast corner of said Section 7, as marked by a 3" Brass Disk stamped "S.B. COUNTY T2S S7-S8 RIV. COUNTY R2W S18-S17" as shown on said Record of Survey.

PREPARED UNDER MY SUPERVISION


Peter G. Wiseman, P.L.S. 6241

Date 6/26/97

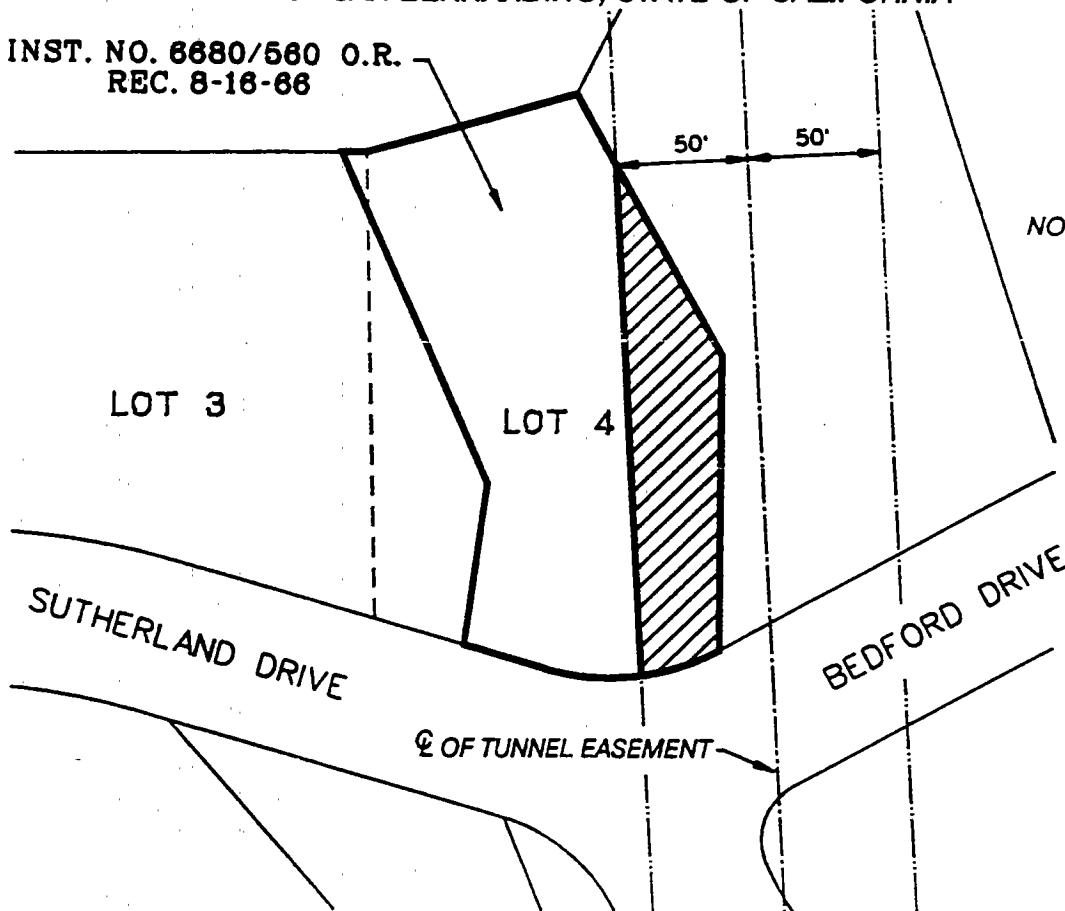


EXHIBIT B

"THIS EXHIBIT IS TO BE ATTACHED TO THE LEGAL DESCRIPTION"
POR. LOT 4, TRACT NO. 5271, M.B. 66, PG. 7-8
SEC. 7, T. 2 S., R. 2 W., S.B.M.

COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA

INST. NO. 6680/560 O.R.
REC. 8-16-86

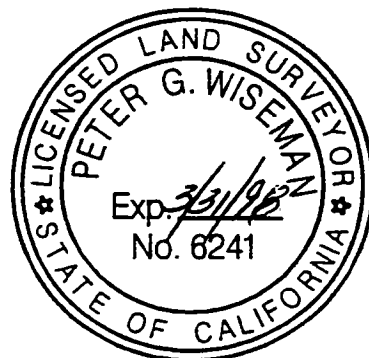


LEGEND

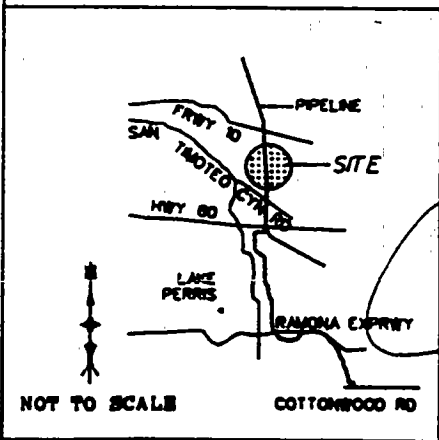
EL. 2189' APPROXIMATE
GROUND ELEVATION

EL. 1757.0' PERMANENT
TUNNEL EASEMENT
INFED1-17-330PEA1

EL. 1672.0' END VIEW



VICINITY MAP



PREPARED UNDER
MY SUPERVISION


Peter G. Wiseman P.L.S. 6241

DATE 6/26/97

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA
INLAND FEEDER
PERMANENT TUNNEL EASEMENT
(RIVERSIDE BADLANDS TUNNEL)
THERESA FROST
TO
MWD
INFED1-17-330PEA1

EXHIBIT A

INFED1-18-260PEA1
(Tunnel easement)
Maurice Shumaker and Novella
Shumaker, Trustees


All that portion of Lot 55, of Tract No. 3457, Hilltop Estates Unit No. 2, in the County of San Bernardino, State of California, as per map recorded in Book 45, pages 44 through 46, inclusive, of Tract Maps, in the Office of the County Recorder of said County, lying between the elevations of 1672.0 feet and 1757.0 feet inclusive, based on the North American Vertical Datum of 1988 as published in May 1994 by the National Geodetic Survey, and lying within the following described strip of land:

A strip of land 100 feet wide lying 50 feet, measured at right angles, on each side of the following described line:

Commencing at the northeast corner of Lot 1 of Section 6, Township 2 South, Range 2 West, San Bernardino Meridian, being marked by a 2" iron pipe with Brass Disk stamped "S.B. Co. Surveyor RSB, N.E. Cor Lot 1, Sec. 6, 1963 T2S R2W" as shown on Record of Survey filed in Book 101, pages 30 through 35, inclusive, of Record of Surveys, records of said County; thence westerly along the north line of said Section 6, S 89° 33' 08" W 25.10 feet to the TRUE POINT OF BEGINNING of said described line; thence S 03° 14' 40" E 5530.07 feet to a point on the south line of said Section 6, said point being S 85° 39' 49" E 298.04 feet from the south quarter corner of said Section 6 as marked by a 2" iron pipe stamped "L.S. 2345" up 1.3' as shown on said Record of Survey.

EXCEPTING therefrom a portion of said lot 55, described in Certificate of Compliance No. E00-51-84, recorded June 14, 1984, as Instrument No. 84-139783 of Official Records of said County.

PREPARED UNDER MY SUPERVISION


Peter G. Wiseman, P.L.S. 6241

Date 2/7/96



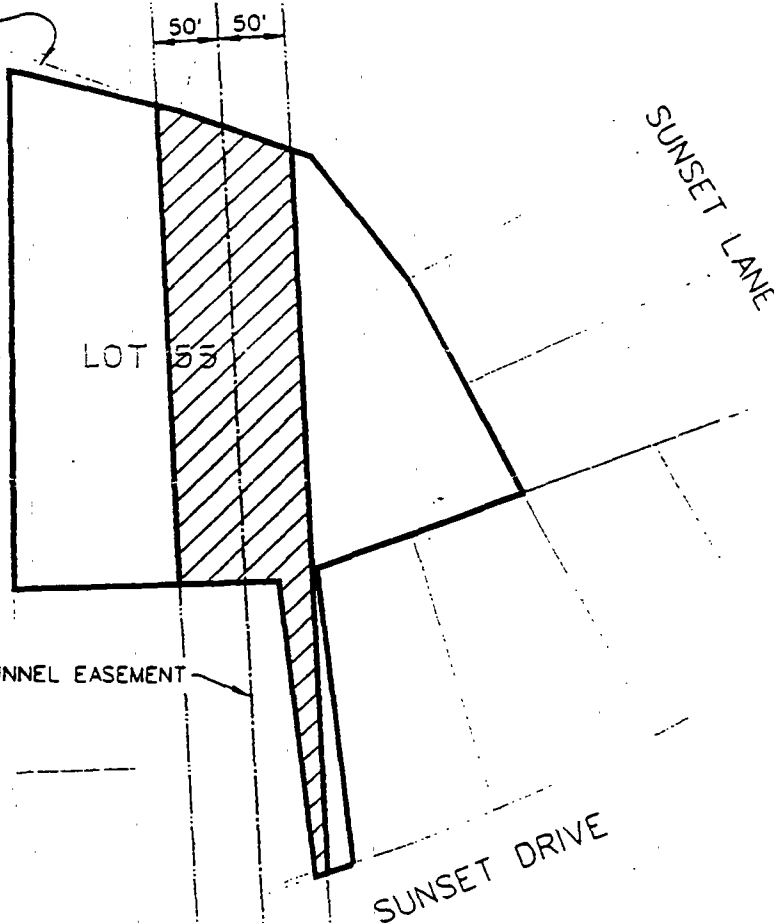
EXHIBIT B

"THIS EXHIBIT IS TO BE ATTACHED TO THE LEGAL DESCRIPTION"
POR. LOT 55, TRACT NO. 3457, M.B. 45, PG. 44-46.
SEC. 6, T. 2 S., R. 2 W., RANCHO SAN BERNARDINO.
COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA



NOT TO SCALE

*84-139783 O.R.
REC. 6-14-84

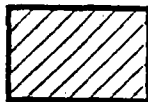


LEGEND

EL. 2210'
APPROXIMATE GROUND ELEVATION

EL. 1757.0'

EL. 1672.0'

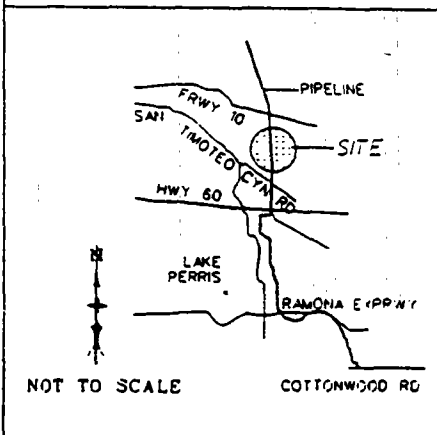


PERMANENT TUNNEL EASEMENT
INFED1-18-260PEA1

END VIEW



VICINITY MAP



PREPARED UNDER
MY SUPERVISION

Peter G. Wiseman P.L.S. 6241

DATE 2/7/96

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA
INLAND FEEDER
PERMANENT TUNNEL EASEMENT
(RIVERSIDE BADLANDS TUNNEL)
MAURICE SHUMAKER AND
NOVELLA SHUMAKER, TRUSTEES
TO
MWD
PARCEL INFED1-18-260PEA1

EXHIBIT A

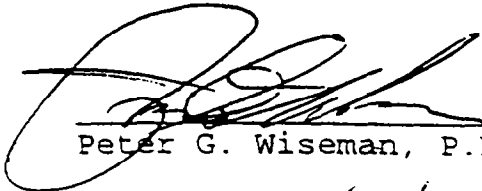
INFED1-18-270PEA1
(Tunnel Easement)
Dominic Scolieri

All that portion of Parcel 1, of Parcel Map No. 6071, in the County of San Bernardino, State of California, as per map filed in Book 76, pages 41 and 42 of Parcel Maps, in the Office of the County Recorder of said County, lying between the elevations of 1672.0 feet and 1757.0 feet inclusive, based on the North American Vertical Datum of 1988 as published in May 1994 by the National Geodetic Survey, and lying within the following described strip of land:

A strip of land 100 feet wide lying 50 feet, measured at right angles, on each side of the following described line:

Commencing at the northeast corner of Lot 1 of Section 6, Township 2 South, Range 2 West, San Bernardino Meridian, being marked by a 2" iron pipe with Brass Disk stamped "S.B. Co. Surveyor RSB, N.E. Cor Lot 1, Sec. 6, 1963 T2S R2W" as shown on Record of Survey filed in Book 101, pages 30 through 35, inclusive, of Record of Surveys, records of said County; thence westerly along the north line of said Section 6, S 89° 33' 08" W 25.10 feet to the TRUE POINT OF BEGINNING of said described line; thence S 03° 14' 40" E 5530.07 feet to a point on the south line of said Section 6, said point being S 85° 39' 49" E 298.04 feet from the south quarter corner of said Section 6 as marked by a 2" iron pipe stamped "L.S. 2345" up 1.3' as shown on said Record of Survey.

PREPARED UNDER MY SUPERVISION


Peter G. Wiseman, P.L.S. 6241

Date

11/6/96

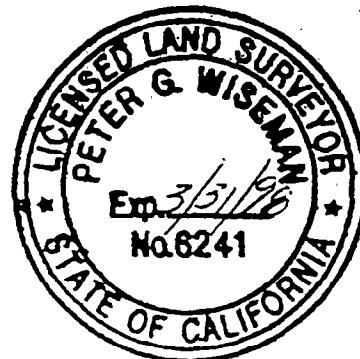
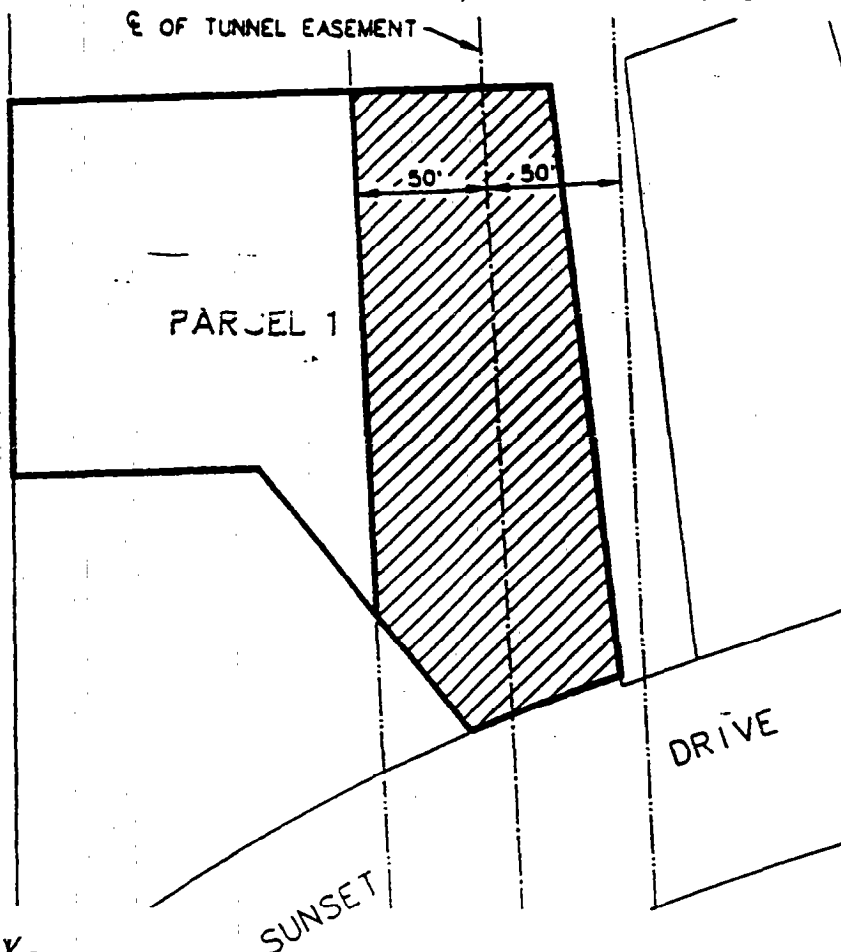


EXHIBIT B

"THIS EXHIBIT IS TO BE ATTACHED TO THE LEGAL DESCRIPTION"
 POR. PARCEL 1, P.M. 6071, P.M.B. 76, PG. 41-42,
 SEC. 6, T. 2 S., R. 2 W., RANCHO SAN BERNARDINO,
 COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA



NOT TO SCALE



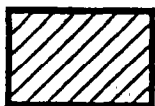
LEGEND

EL. 2210'



APPROXIMATE
GROUND ELEVATION

EL. 1757.0'

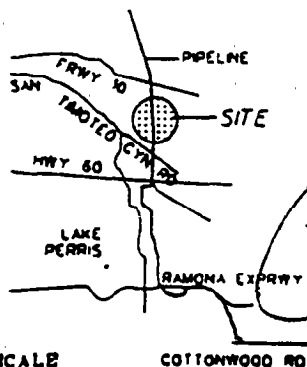


PERMANENT
TUNNEL EASEMENT
INFEDI-18-270PEA1

EL. 1672.0'

END VIEW

VICINITY MAP



NOT TO SCALE

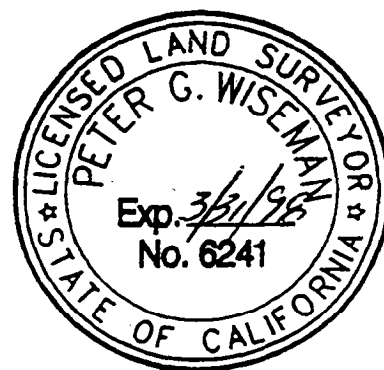
COTTONWOOD RD

PREPARED UNDER
MY SUPERVISION

Peter G. Wiseman
Peter G. Wiseman P.L.S. 6241

DATE

11/6/96



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

INLAND FEEDER
PERMANENT TUNNEL EASEMENT
(RIVERSIDE BADLANDS TUNNEL)
DOMINIC SCOLIERI
TO
MWD
INFEDI-18-270PEA1

EXHIBIT A

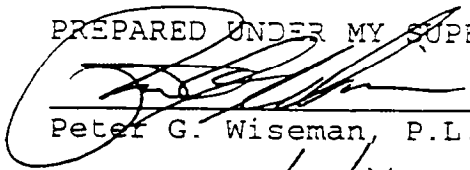
INFED1-18-280PEA1
(Tunnel easement)
James Reineman, et ux

All that portion of Parcel 2, of Parcel Map No. 6071, in the County of San Bernardino, State of California, as per map filed in Book 76, pages 41 and 42 of Parcel Maps, in the Office of the County Recorder of said County, lying between the elevations of 1672.0 feet and 1757.0 feet inclusive, based on the North American Vertical Datum of 1988 as published in May 1994 by the National Geodetic Survey, and lying within the following described strip of land:

A strip of land 100 feet wide lying 50 feet, measured at right angles, on each side of the following described line:

Commencing at the northeast corner of Lot 1 of Section 6, Township 2 South, Range 2 West, San Bernardino Meridian, being marked by a 2" iron pipe with Brass Disk stamped "S.B. Co. Surveyor RSB, N.E. Cor Lot 1, Sec. 6, 1963 T2S R2W" as shown on Record of Survey filed in Book 101, pages 30 through 35, inclusive, of Record of Surveys, records of said County; thence westerly along the north line of said Section 6, S 89° 33' 08" W 25.10 feet to the TRUE POINT OF BEGINNING of said described line; thence S 03° 14' 40" E 5530.07 feet to a point on the south line of said Section 6, said point being S 85° 39' 49" E 298.04 feet from the south quarter corner of said Section 6 as marked by a 2" iron pipe stamped "L.S. 2345" up 1.3' as shown on said Record of Survey.

PREPARED UNDER MY SUPERVISION


Peter G. Wiseman, P.L.S. 6241

Date

2/7/96

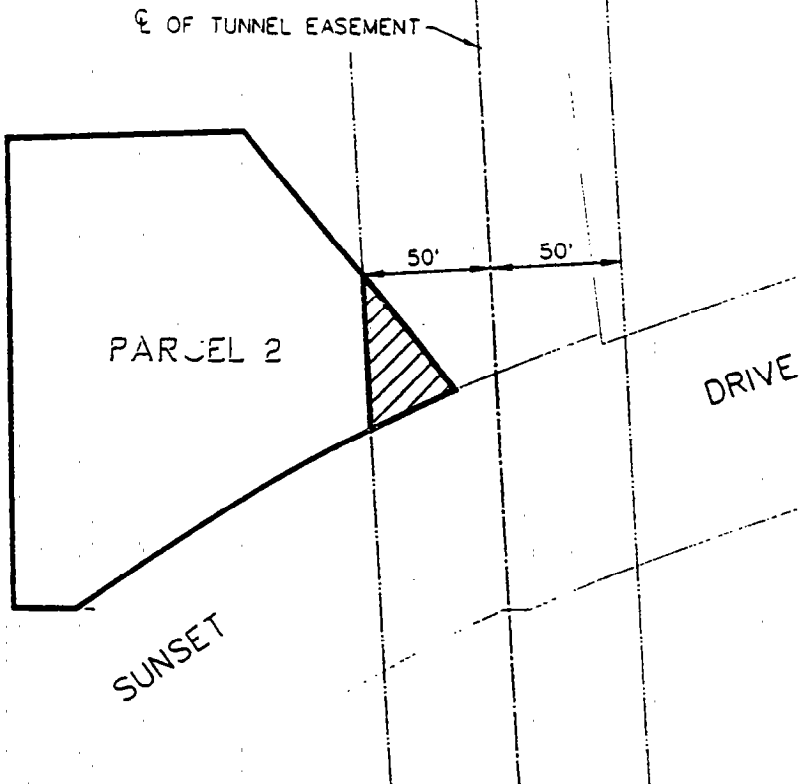


EXHIBIT B

"THIS EXHIBIT IS TO BE ATTACHED TO THE LEGAL DESCRIPTION"
POR. PARCEL 2, P.M. 6071, P.M.B. 76, PG. 41-42,
SEC. 6, T. 2 S., R. 2 W., RANCHO SAN BERNARDINO
COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA



NOT TO SCALE



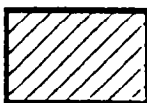
LEGEND

EL. 2210'



APPROXIMATE
GROUND ELEVATION

EL. 1757.0'

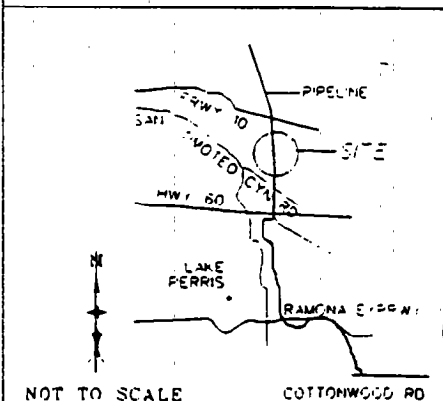


PERMANENT
TUNNEL EASEMENT
INFEDI-18-280PEA1

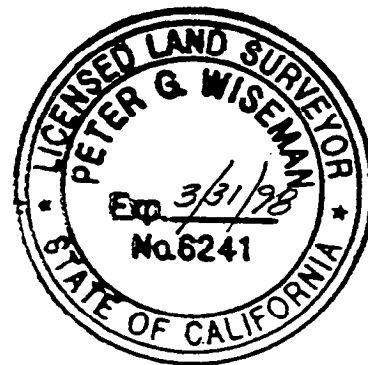
EL. 1672.0'

END VIEW

VICINITY MAP



PREPARED UNDER
MY SUPERVISION



[Signature]
Peter G. Wiseman P.L.S. 6241

DATE 2/7/96

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA
INLAND FEEDER
PERMANENT TUNNEL EASEMENT
(RIVERSIDE BADLANDS TUNNEL)
JAMES REINEMAN, ET UX
TO
MWD
INFEDI-18-280PEA1

EXHIBIT A

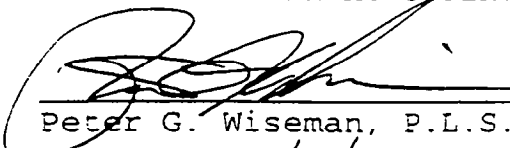
INFED1-19-310PEA1
(Tunnel Easement)
Richard D. Carson and
Shirley Mae Carson,
Trustees

All that portion of that certain parcel of land in the County of San Bernardino, State of California, lying within Lots 55 and 56 of Tract No. 3457 Hilltop Estates Unit No. 2 as conveyed by Grant Deed to Richard D. Carson and Shirley Mae Carson, Trustees of the Carson 1987 Revocable Trust, dated March 20, 1987, recorded July 27, 1993 as Instrument No. 93-320125 of Official Records of said County, lying between the elevations of 1672.0 feet and 1757.0 feet inclusive, based on the North American Vertical Datum of 1988 as published in May 1994 by the National Geodetic Survey, and lying within the following described strip of land:

A strip of land 100 feet wide lying 50 feet, measured at right angles, on each side of the following described line:

Commencing at the northeast corner of Lot 1 of Section 6, Township 2 South, Range 2 West, San Bernardino Meridian, being marked by a 2" iron pipe with Brass Disk stamped "S.B. Co. Surveyor RSB, N.E. Cor Lot 1, Sec. 6, 1963 T2S R2W" as shown on Record of Survey filed in Book 101, pages 30 through 35, inclusive, of Record of Surveys, records of said County; thence westerly along the north line of said Section 6, S 89° 33' 08" W 25.10 feet to the TRUE POINT OF BEGINNING of said described line; thence S 03° 14' 40" E 5530.07 feet to a point on the south line of said Section 6, said point being S 85° 39' 49" E 298.04 feet from the south quarter corner of said Section 6 as marked by a 2" iron pipe stamped "L.S. 2345" up 1.3' as shown on said Record of Survey.

PREPARED UNDER MY SUPERVISION


Peter G. Wiseman, P.L.S. 6241

Date

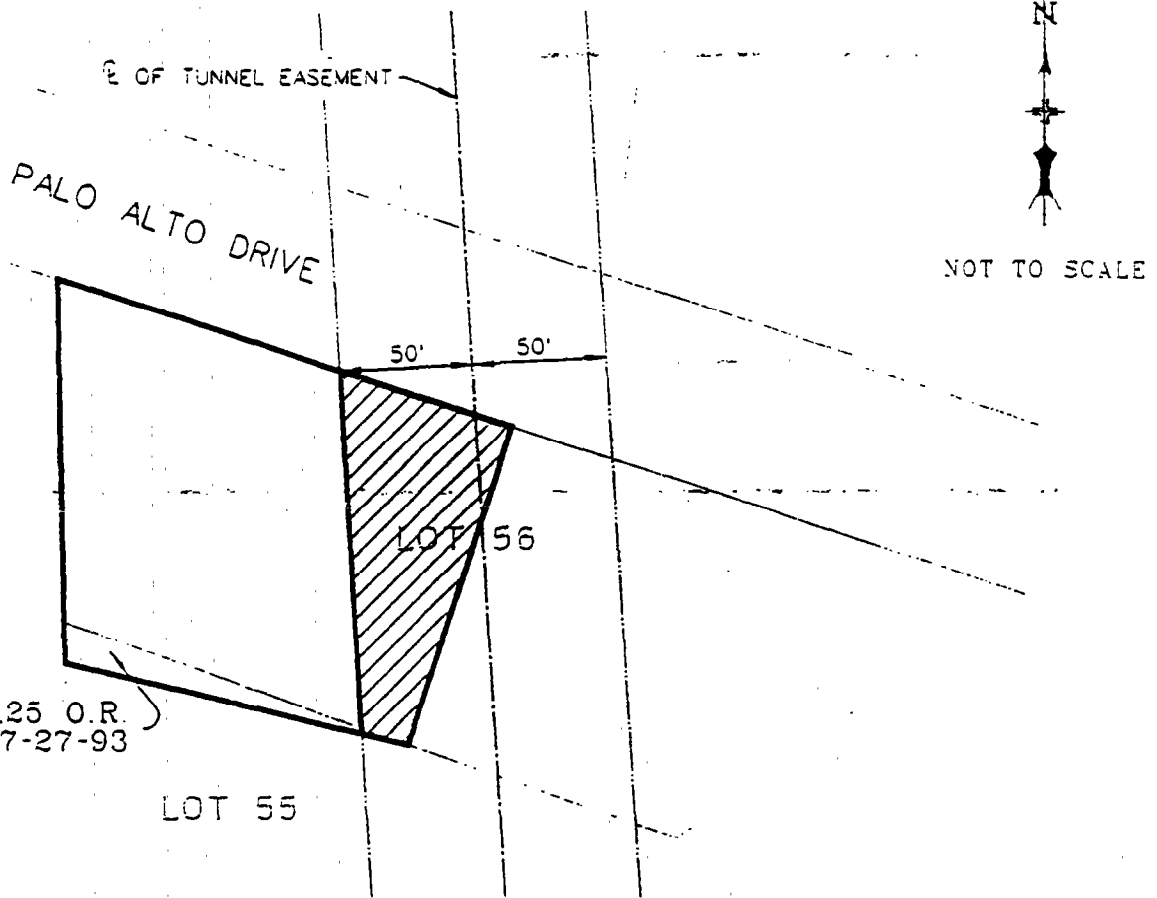
2/7/96



EXHIBIT B

"THIS EXHIBIT IS TO BE ATTACHED TO THE LEGAL DESCRIPTION"

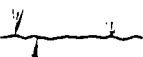
POR. LOTS 55 & 56, TRACT NO. 3457, HILLTOP ESTATES NO. 2, M.B. 45, PG. 44-46
 SEC. 6, T. 2 S., R. 2 W., RANCHO SAN BERNARDINO
 COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA



*93-320125 O.R.
 REC. 7-27-93

LEGEND

EL. 2164'



APPROXIMATE
 GROUND ELEVATION

EL. 1757.0'

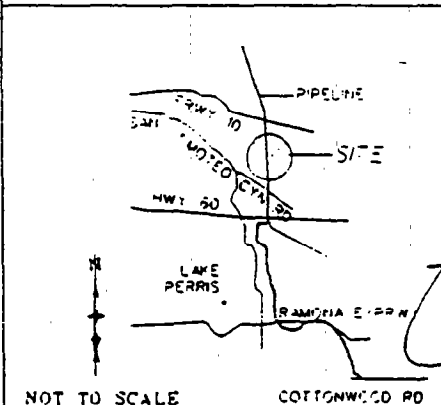


PERMANENT
 TUNNEL EASEMENT
 INFED1-19-310PEA1

EL. 1672.0'

END VIEW

VICINITY MAP



PREPARED UNDER
 MY SUPERVISION



Peter G. Wiseman P.L.S. 6241

DATE

2/7/96

THE METROPOLITAN WATER DISTRICT
 OF SOUTHERN CALIFORNIA
 INLAND FEEDER
 PERMANENT TUNNEL EASEMENT
 (RIVERSIDE BADLANDS TUNNEL)
 RICHARD D. CARSON AND
 SHIRLEY MAE CARSON, TRUSTEES
 TO
 MWD
 PARCEL INFED1-19-310PEA1

EXHIBIT A

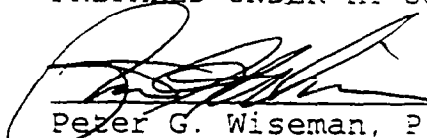
INFED1-19-320PEA1
(Tunnel Easement)
The Jeanice M. Vore,
Trustee

All that portion of that certain parcel of land in the County of San Bernardino, State of California, lying within Lot 56 of Tract No. 3457 Hilltop Estates Unit No. 2 as conveyed by Grant Deed to The Jeanice M. Vore, Trustee of the Jeanice M. Vore Trust, recorded April 2, 1992 as Instrument No. 92-141632 of Official Records of said County, lying between the elevations of 1672.0 feet and 1757.0 feet inclusive, based on the North American Vertical Datum of 1988 as published in May 1994 by the National Geodetic Survey, and lying within the following described strip of land:

A strip of land 100 feet wide lying 50 feet, measured at right angles, on each side of the following described line:

Commencing at the northeast corner of Lot 1 of Section 6, Township 2 South, Range 2 West, San Bernardino Meridian, being marked by a 2" iron pipe with Brass Disk stamped "S.B. Co. Surveyor RSB, N.E. Cor Lot 1, Sec. 6, 1963 T2S R2W" as shown on Record of Survey filed in Book 101, pages 30 through 35, inclusive, of Record of Surveys, records of said County; thence westerly along the north line of said Section 6, S 89° 33' 08" W 25.10 feet to the TRUE POINT OF BEGINNING of said described line; thence S 03° 14' 40" E 5530.07 feet to a point on the south line of said Section 6, said point being S 85° 39' 49" E 298.04 feet from the south quarter corner of said Section 6 as marked by a 2" iron pipe stamped "L.S. 2345" up 1.3' as shown on said Record of Survey.

PREPARED UNDER MY SUPERVISION


Peter G. Wiseman, P.L.S. 6241

Date

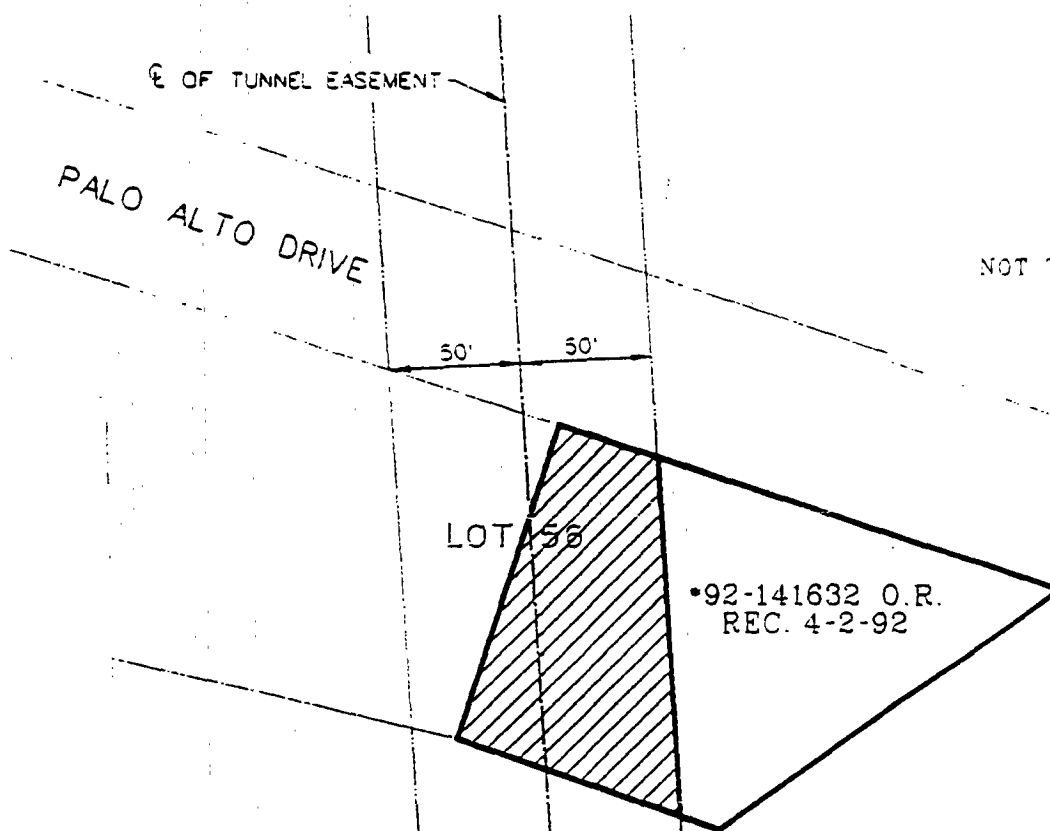
2/7/96



EXHIBIT B

"THIS EXHIBIT IS TO BE ATTACHED TO THE LEGAL DESCRIPTION"

POR. LOT 56, TRACT NO. 3457, HILLTOP ESTATES NO. 2, M.B. 45, PG. 44-46
SEC. 6, T. 2 S., R. 2 W., RANCHO SAN BERNARDINO
COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA



NOT TO SCALE

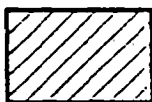
LEGEND

EL. 2185'



APPROXIMATE
GROUND ELEVATION

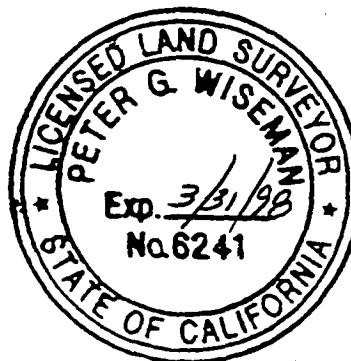
EL. 1757.0'



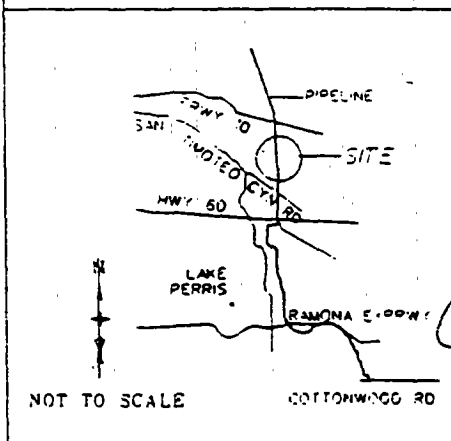
PERMANENT
TUNNEL EASEMENT
INFED1-19-320PEA1

EL. 1672.0'

END VIEW



VICINITY MAP



PREPARED UNDER
MY SUPERVISION

Peter G. Wiseman P.L.S. 6241

DATE

2/7/96

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
INLAND FEEDER PERMANENT TUNNEL EASEMENT (RIVERSIDE BADLANDS TUNNEL) THE JEANICE M VORE, TRUSTEE TO MWD PARCEL INFED1-19-320PEA1

EXHIBIT A

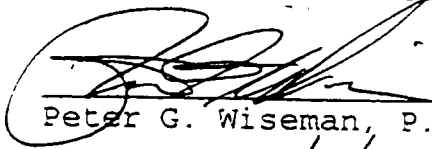
INFED1-19-330PEA1
(Tunnel Easement)
Richard S. Trafton and
Beth A. Mc Guire

All that portion of Parcel 2, of Parcel Map No. 9653, in the County of San Bernardino, State of California, as per map filed in Book 115, page 92 of Parcel Maps in the Office of the County Recorder of said County, lying between the elevations of 1672.0 feet and 1757.0 feet inclusive, based on the North American Vertical Datum of 1988 as published in May 1994 by the National Geodetic Survey, and lying within the following described strip of land:

A strip of land 100 feet wide lying 50 feet, measured at right angles, on each side of the following described line:

Commencing at the northeast corner of Lot 1 of Section 6, Township 2 South, Range 2 West, San Bernardino Meridian, being marked by a 2" iron pipe with Brass Disk stamped "S.B. Co. Surveyor RSB, N.E. Cor Lot 1, Sec. 6, 1963 T2S R2W" as shown on Record of Survey filed in Book 101, pages 30 through 35, inclusive, of Record of Surveys, records of said County; thence westerly along the north line of said Section 6, S 89° 33' 08" W 25.10 feet to the TRUE POINT OF BEGINNING of said described line; thence S 03° 14' 40" E 5530.07 feet to a point on the south line of said Section 6, said point being S 85° 39' 49" E 298.04 feet from the south quarter corner of said Section 6 as marked by a 2" iron pipe stamped "L.S. 2345" up 1.3' as shown on said Record of Survey.

PREPARED UNDER MY SUPERVISION


Peter G. Wiseman, P.L.S. 6241

Date 2/7/96

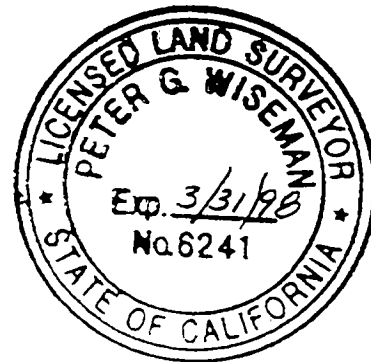


EXHIBIT B

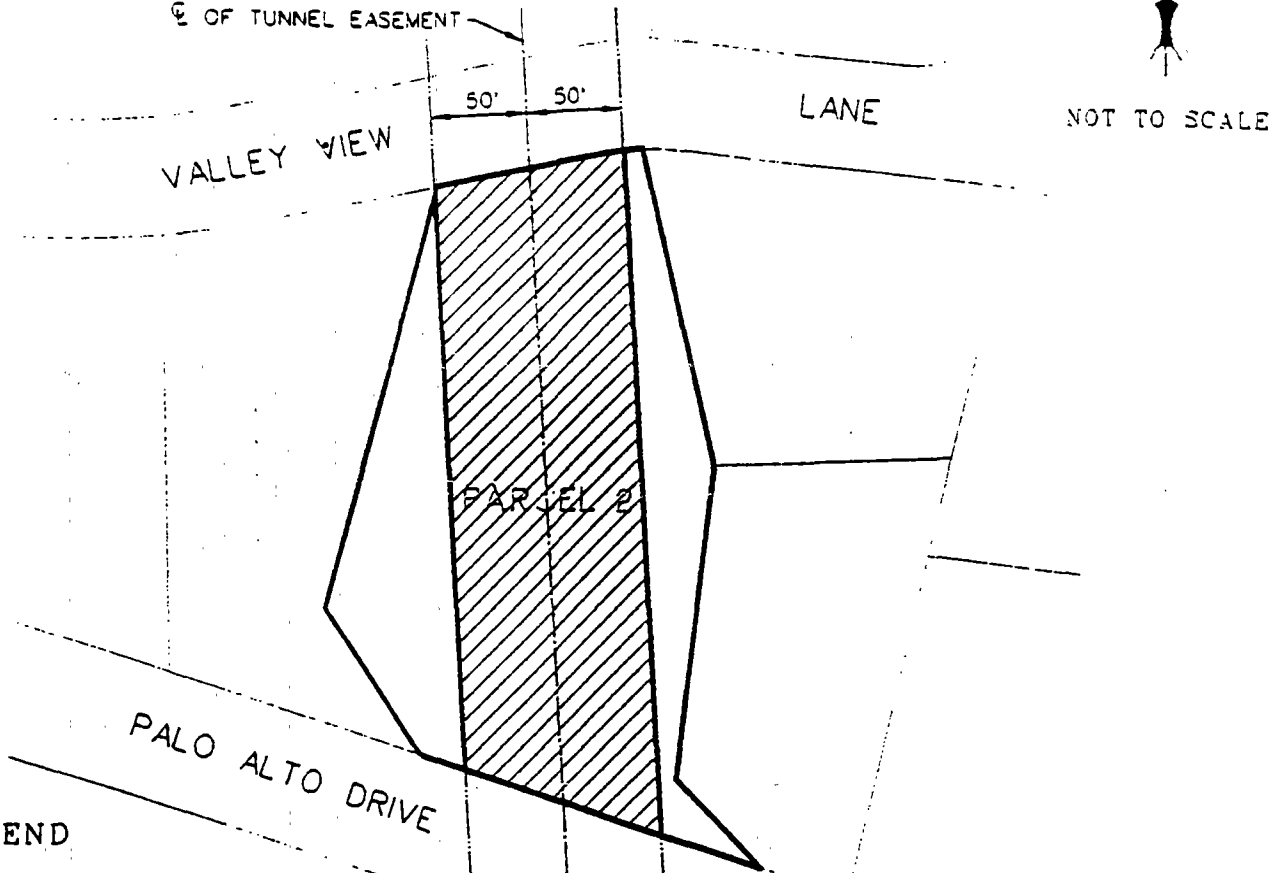
"THIS EXHIBIT IS TO BE ATTACHED TO THE LEGAL DESCRIPTION"

POR. PARCEL 2, P.M. 9653, M.B. 115, PG. 92.

SEC 6, T. 2 S., R. 2 W., RANCHO SAN BERNARDINO
 COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA



OF TUNNEL EASEMENT



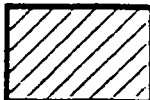
LEGEND

EL. 2160'



APPROXIMATE
GROUND ELEVATION

EL. 1757.0'

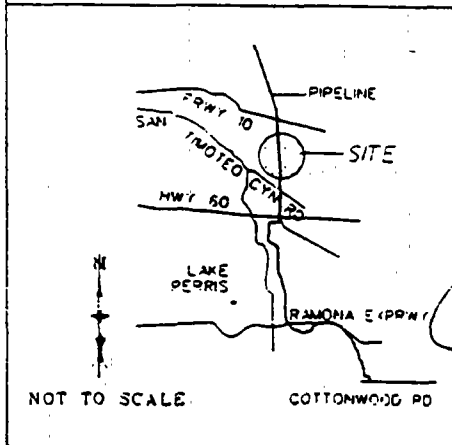


PERMANENT
TUNNEL EASEMENT
INFEDI-19-330PEAI

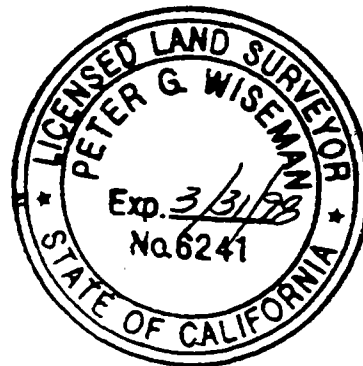
EL. 1672.0'

END VIEW

VICINITY MAP



PREPARED UNDER
MY SUPERVISION



Peter G. Wiseman
Peter G. Wiseman P.L.S. 6241

DATE

2/7/96

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

INLAND FEEDER
 PERMANENT TUNNEL EASEMENT
 (RIVERSIDE BADLANDS TUNNEL)
 RICHARD S. TRAFTON AND
 BETH A. Mc GUIRE
 TO
 MWD
 PARCEL INFEDI-19-330PEAI

EXHIBIT A

INFED1-21-210PEA1
(Tunnel Easement)
Ralph G. Ossko, et ux

All that portion of Parcel 2, of Parcel Map No. 9613, in the County of San Bernardino, State of California, as per map filed in Book 103, pages 32 and 33 of Parcel Maps in the Office of the County Recorder of said County, lying between the elevations of 1672.0 feet and 1757.0 feet inclusive, based on the North American Vertical Datum of 1988 as published in May 1994 by the National Geodetic Survey, and lying within the following described strip of land:

A strip of land 100 feet wide lying 50 feet, measured at right angles, on each side of the following described line:

Commencing at the northeast corner of Lot 1 of Section 6, Township 2 South, Range 2 West, San Bernardino Meridian, being marked by a 2" iron pipe with Brass Disk stamped "S.B. Co. Surveyor RSB, N.E. Cor Lot 1, Sec. 6, 1963 T2S R2W" as shown on Record of Survey filed in Book 101, pages 30 through 35, inclusive, of Record of Surveys, records of said County; thence westerly along the north line of said Section 6, S 89° 33' 08" W 25.10 feet to the TRUE POINT OF BEGINNING of said described line; thence S 03° 14' 40" E 5530.07 feet to a point on the south line of said Section 6, said point being S 85° 39' 49" E 298.04 feet from the south quarter corner of said Section 6 as marked by a 2" iron pipe stamped "L.S. 2345" up 1.3' as shown on said Record of Survey.

PREPARED UNDER MY SUPERVISION


Peter G. Wiseman, P.L.S. 6241

2/8/96
Date

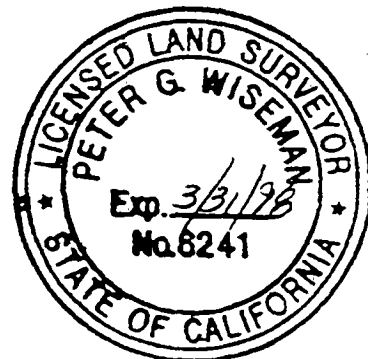
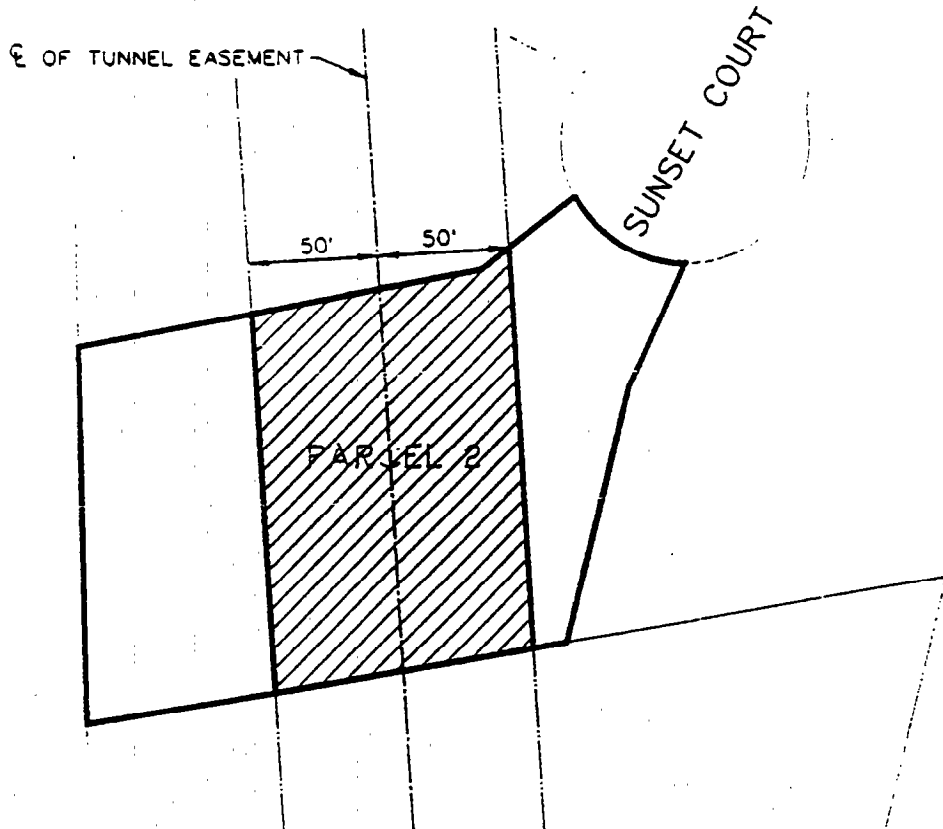


EXHIBIT B

"THIS EXHIBIT IS TO BE ATTACHED TO THE LEGAL DESCRIPTION"
P.O.R. PARCEL 2, P.M. 9613, M.B. 103, PG. 32-33.
SEC. 6, T. 2 S., R. 2 W., RANCHO SAN BERNARDINO
COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA



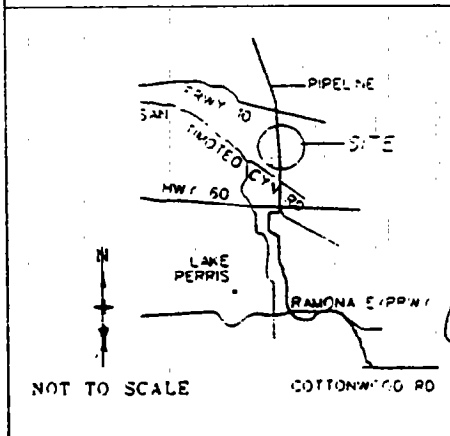
NOT TO SCALE



LEGEND

- EL. 2203' APPROXIMATE GROUND ELEVATION
- EL. 1757.0' PERMANENT TUNNEL EASEMENT INFEDI-21-210PEAI
- EL. 1672.0' END VIEW

VICINITY MAP



PREPARED UNDER
MY SUPERVISION



Peter G. Wiseman
Peter G. Wiseman P.L.S. 6241

DATE

2/8/96

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

INLAND FEEDER
PERMANENT TUNNEL EASEMENT
(RIVERSIDE BADLANDS TUNNEL)
RALPH G OSSKO, ET UX
TO
MWD
PARCEL INFEDI-21-210PEAI

EXHIBIT A

INFED1-21-220PEA1
(Tunnel Easement)
Geoffrey H. Engel, et ux

All that portion of Parcel 3, of Parcel Map No. 9613, in the County of San Bernardino, State of California, as per map filed in Book 103, pages 32 and 33 of Parcel Maps in the Office of the County Recorder of said County, lying between the elevations of 1672.0 feet and 1757.0 feet inclusive, based on the North American Vertical Datum of 1988 as published in May 1994 by the National Geodetic Survey, and lying within the following described strip of land:

A strip of land 100 feet wide lying 50 feet, measured at right angles, on each side of the following described line:

Commencing at the northeast corner of Lot 1 of Section 6, Township 2 South, Range 2 West, San Bernardino Meridian, being marked by a 2" iron pipe with Brass Disk stamped "S.B. Co. Surveyor RSB, N.E. Cor Lot 1, Sec. 6, 1963 T2S R2W" as shown on Record of Survey filed in Book 101, pages 30 through 35, inclusive, of Record of Surveys, records of said County; thence westerly along the north line of said Section 6, S 89° 33' 08" W 25.10 feet to the TRUE POINT OF BEGINNING of said described line; thence S 03° 14' 40" E 5530.07 feet to a point on the south line of said Section 6, said point being S 85° 39' 49" E 298.04 feet from the south quarter corner of said Section 6 as marked by a 2" iron pipe stamped "L.S. 2345" up 1.3' as shown on said Record of Survey.

PREPARED UNDER MY SUPERVISION


Peter G. Wiseman, P.L.S. 6241

Date

2/8/96

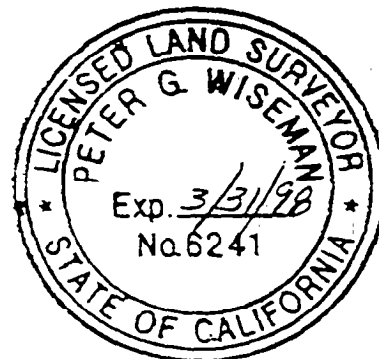
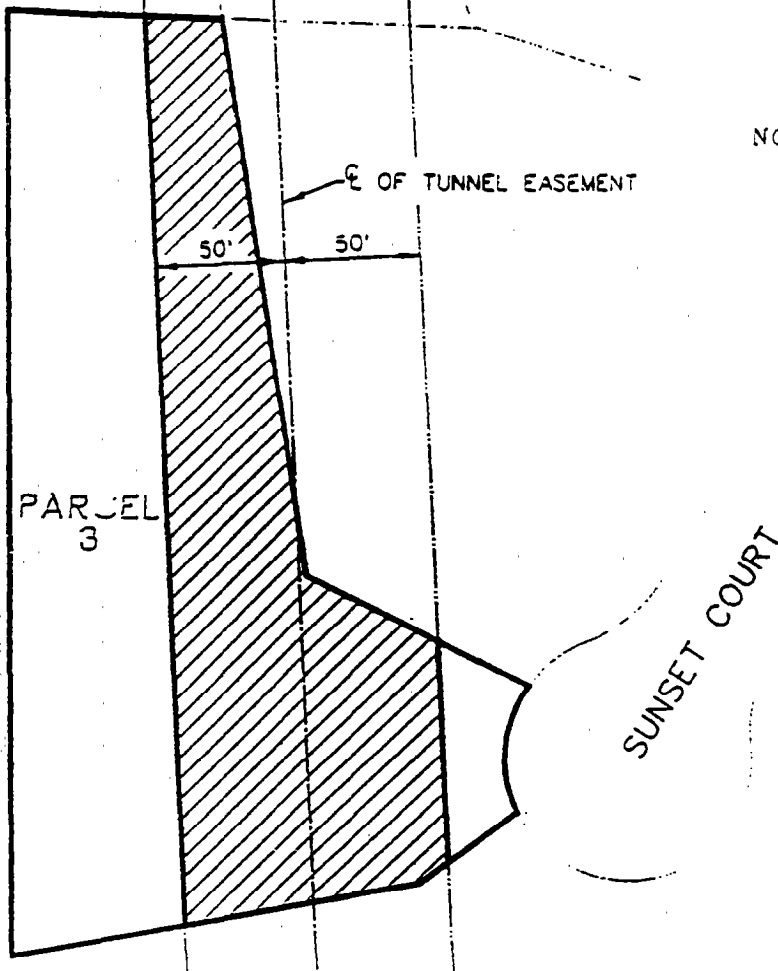


EXHIBIT B

"THIS EXHIBIT IS TO BE ATTACHED TO THE LEGAL DESCRIPTION"
FOR PARCEL 3, P.M. 9613, M.B. 103, PG. 32-33,
SEC. 6, T. 2 S, R. 2 W., RANCHO SAN BERNARDINO
COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA

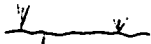


NOT TO SCALE



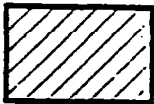
LEGEND

EL. 2194'



APPROXIMATE
GROUND ELEVATION

EL. 1757.0'

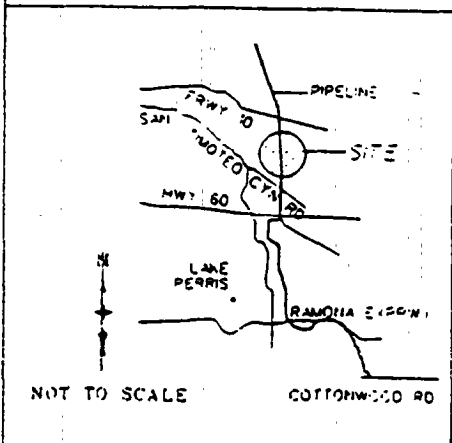


PERMANENT
TUNNEL EASEMENT
INFEDI-21-220PEAI

EL. 1672.0'

END VIEW

VICINITY MAP



PREPARED UNDER
MY SUPERVISION



[Signature]
Peter G. Wiseman P.L.S. 6241

DATE 2/8/96

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA
INLAND FEEDER
PERMANENT TUNNEL EASEMENT
(RIVERSIDE BADLANDS TUNNEL)
GEOFFREY H ENGEL ET UX
TO
MWD
PARCEL INFEDI-21-220PEAI

EXHIBIT A

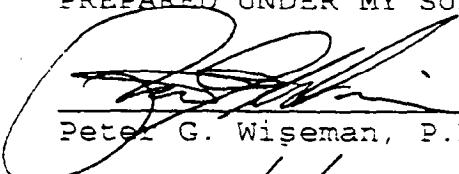
INFED1-21-230PEA1
(Tunnel Easement)
David R. Croughan, et ux

All that portion of Parcel 4, of Parcel Map No. 9613, in the County of San Bernardino, State of California, as per map filed in Book 103, pages 32 and 33 of Parcel Maps in the Office of the County Recorder of said County, lying between the elevations of 1672.0 feet and 1757.0 feet inclusive, based on the North American Vertical Datum of 1988 as published in May 1994 by the National Geodetic Survey, and lying within the following described strip of land:

A strip of land 100 feet wide lying 50 feet, measured at right angles, on each side of the following described line:

Commencing at the northeast corner of Lot 1 of Section 6, Township 2 South, Range 2 West, San Bernardino Meridian, being marked by a 2" iron pipe with Brass Disk stamped "S.B. Co. Surveyor RSB, N.E. Cor Lot 1, Sec. 6, 1963 T2S R2W" as shown on Record of Survey filed in Book 101, pages 30 through 35, inclusive, of Record of Surveys, records of said County; thence westerly along the north line of said Section 6, S 89° 33' 08" W 25.10 feet to the TRUE POINT OF BEGINNING of said described line; thence S 03° 14' 40" E 5530.07 feet to a point on the south line of said Section 6, said point being S 85° 39' 49" E 298.04 feet from the south quarter corner of said Section 6 as marked by a 2" iron pipe stamped "L.S. 2345" up 1.3' as shown on said Record of Survey.

PREPARED UNDER MY SUPERVISION


Peter G. Wiseman, P.L.S. 6241

Date

2/8/96

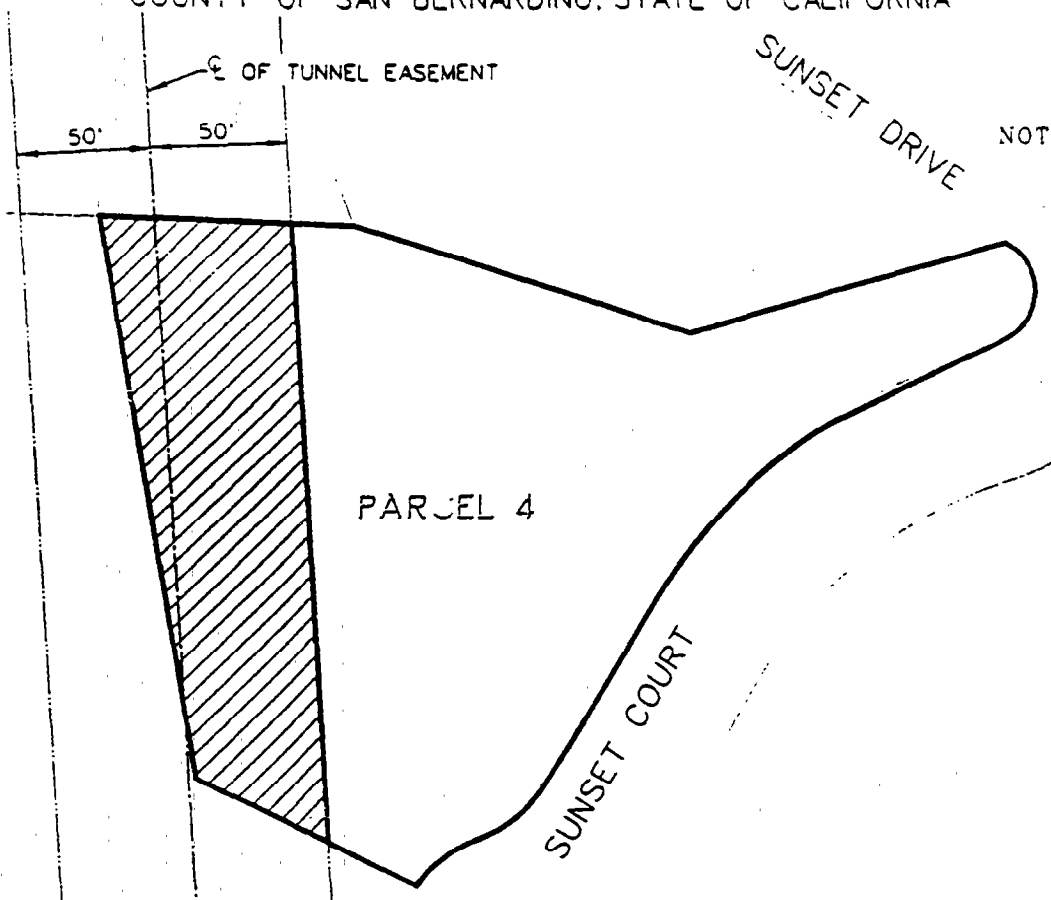


EXHIBIT B

"THIS EXHIBIT IS TO BE ATTACHED TO THE LEGAL DESCRIPTION"
POR. PARCEL 4, P.M. 9613, M.B. 103, PG. 32-33,
SEC. 6, T. 2 S., R. 2 W., RANCHO SAN BERNARDINO
COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA

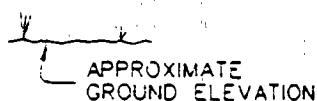


NOT TO SCALE



LEGEND

EL. 2159'



EL. 1757.0'



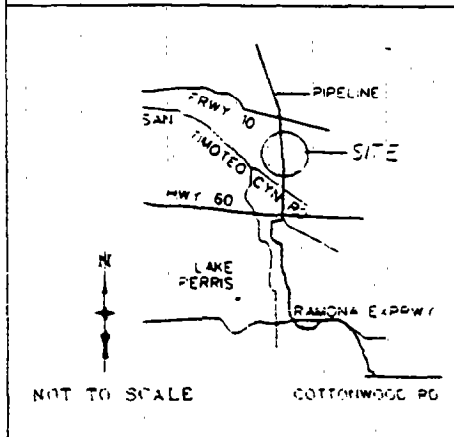
PERMANENT
TUNNEL EASEMENT
INFEDI-21-230PEA1

EL. 1672.0'

END VIEW



VICINITY MAP



PREPARED UNDER
MY SUPERVISION

[Signature]
Peter G. Wiseman P.L.S. 6241

DATE 2/8/96

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA
INLAND FEEDER
PERMANENT TUNNEL EASEMENT
(RIVERSIDE BADLANDS TUNNEL)
DAVID R. CROUGHAN, ET UX
TO
MWD
PARCEL INFEDI-21-230PEA1

EXHIBIT A

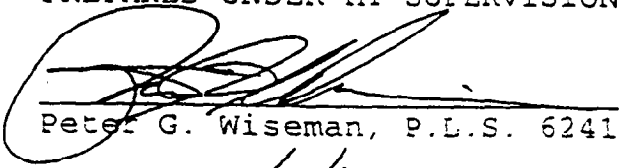
INFED1-21-240PEA1
(Tunnel Easement)
Gary L. Maddox, et ux

Those portions of Parcels 1 and 2, of Parcel Map No. 4972, in the County of San Bernardino, State of California, as per map filed in Book 51, page 45 of Parcel Maps in the Office of the County Recorder of said County, lying between the elevations of 1672.0 feet and 1757.0 feet inclusive, based on the North American Vertical Datum of 1988 as published in May 1994 by the National Geodetic Survey, and lying within the following described strip of land:

A strip of land 100 feet wide lying 50 feet, measured at right angles, on each side of the following described line:

Commencing at the northeast corner of Lot 1 of Section 6, Township 2 South, Range 2 West, San Bernardino Meridian, being marked by a 2" iron pipe with Brass Disk stamped "S.B. Co. Surveyor RSB, N.E. Cor Lot 1, Sec. 6, 1963 T2S R2W" as shown on Record of Survey filed in Book 101, pages 30 through 35, inclusive, of Record of Surveys, records of said County; thence westerly along the north line of said Section 6, S 89° 33' 08" W 25.10 feet to the TRUE POINT OF BEGINNING of said described line; thence S 03° 14' 40" E 5530.07 feet to a point on the south line of said Section 6, said point being S 85° 39' 49" E 298.04 feet from the south quarter corner of said Section 6 as marked by a 2" iron pipe stamped "L.S. 2345" up 1.3' as shown on said Record of Survey.

PREPARED UNDER MY SUPERVISION


Peter G. Wiseman, P.L.S. 6241

Date

2/8/96

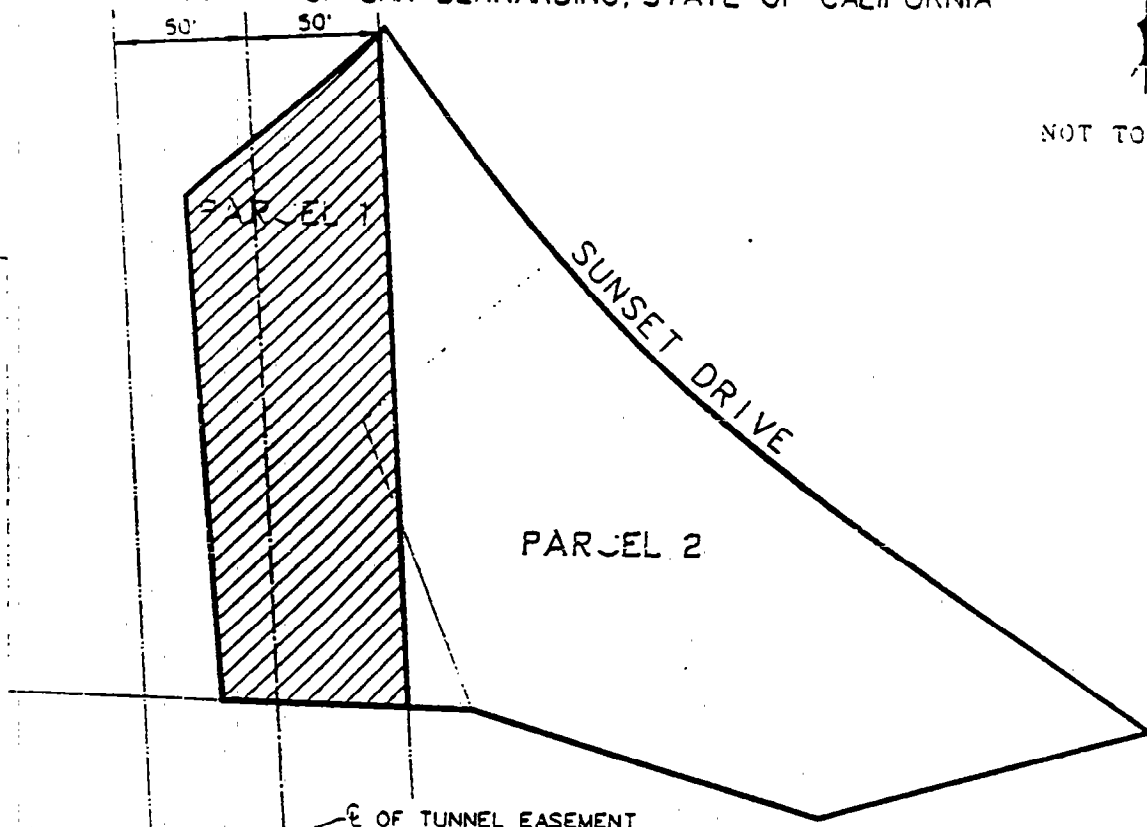


EXHIBIT B

"THIS EXHIBIT IS TO BE ATTACHED TO THE LEGAL DESCRIPTION"
POR. PARCELS 1 AND 2, P.M. 4972, M.B. 51, PG. 45.
SEC. 6, T. 2 S., R. 2 W., RANCHO SAN BERNARDINO
COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA

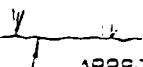


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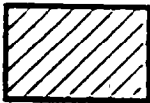
LEGEND

EL. 2147'



APPROXIMATE
GROUND ELEVATION

EL. 1757.0'

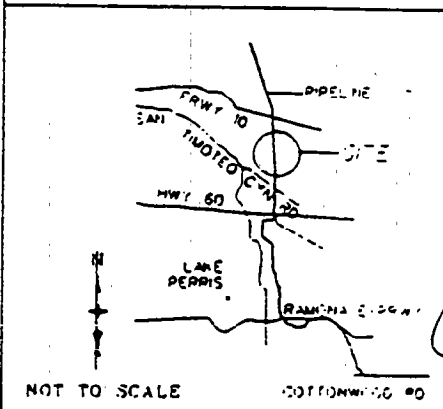


PERMANENT
TUNNEL EASEMENT
INFEDI-21-240PEA1

EL. 1672.0'

END VIEW

VICINITY MAP

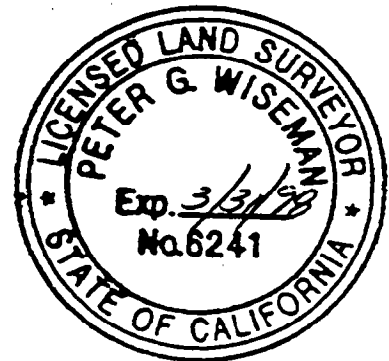


PREPARED UNDER
MY SUPERVISION

Peter G. Wiseman
Peter G. Wiseman P.L.S. 6241

DATE

2/8/96



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

INLAND FEEDER
PERMANENT TUNNEL EASEMENT
(RIVERSIDE BADLANDS TUNNEL)
GARY L MADDOX, ET UX
TO
MWD
PARCEL INFEDI-21-240PEA1