

OFFICERS 2015-2016 President ~ Matt Machado Director of Public Works Stanislaus County 1716 Morgan Road Modesto, CA 95358

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Parliamentarian ~ Doug Wilson Former Director of Public Works Tulare County 333 E. Holland Ave Fresno, CA 93704

NACE Representative ~ Scott McGolpin Director of Public Works Santa Barbara County 123 East Anapamu Street Santa Barbara, CA 93101

Historian ~ Dave Gravenkamp Former Director of Public Works Siskiyou County 315 West Miner Street Yreka, CA 96097

Newsletter Editor ~ Patrick DeChellis Former Deputy Director of Public Works Los Angeles County 813 Uclan Drive Burbank, CA 91504

REGIONAL DIRECTORS Northern California ~ Scott DeLeon Director of Public Works Lake County 255 N. Forbes Street Lakeport, CA 95453

Bay Area ~ Matt Tuggle Engineering Manager, Public Works Solano County 675 Texas Street, Suite 5500 Fairfield, CA 94533

Sacramento-Mother Lode ~ Panos Kokkas Assistant Director Public Works Yolo County 292 W. Beamer Street Woodland, CA 95695

San Joaquin Valley ~ Richard Schwarz Assistant Director Public Works Merced County 715 Martin Luther King, Jr. Way Merced, CA 95341-6041

Central Coast ~ Tom Fayram Deputy Director Water Resources Santa Barbara County 123 East Anapamu Street Santa Barbara, CA 93101

Southern California ~ William Brunet Director of Public Works Imperial County 155 South 11th Street El Centro, CA 92243



County Engineers Association

of California

GUIDE

TO THE PREPARATION OF

RECORDS OF SURVEY

AND

CORNER RECORDS

Steve Steinhoff Chair Survey Policy Committee December 2, 2015 5th Revision

RECORD OF SURVEY AND CORNER RECORD

PREFACE

In writing this, it was the purpose of the County Engineers Association of California to develop a statement of procedure for filing records of survey and corner records which, if followed by the surveyor or engineer, would result in the document being filed with a minimum of difficulty in all of the counties. The materials presented here represent the results of this effort.

Recognizing that the Land Surveyor or Civil Engineer is a professional practitioner and that the Professional Land Surveyors' Act allows great flexibility in the preparation of the record of survey map, these materials are presented as guidelines which are believed to reflect good professional practice without being unduly restrictive. These guidelines are <u>NOT</u> to be construed as representing one method which is acceptable in all of the counties.

This Guide is current and conforms to the Professional Land Surveyors Act through January 1, 2009. It is not our intent to update it annually. That responsibility will be left up to each individual county.

This Guide was revised in June 1991 to include GPS records of survey guidelines (1st Revision). These guidelines were developed with the participation of the following agencies/ organizations:

County Engineers Association of California League of California Surveying Organizations Caltrans California Land Surveyors Association

Prepared by: Submitted by:	Lou Hall, San Diego County and E. Art Varon, Ventura County John Canas, Chair Surveying and Land Use Committee March 10, 1989
2 nd Revision by:	John Canas, Orange County – January 1, 1995
3 rd Revision by: With input from:	John Canas, Orange County – January 1, 2000 <i>The League of California Surveying Organizations – Revision Committee</i> Daniel Moye, San Bernardino County, Chair Michael Emmons, Santa Barbara County Robert Chacon, Ventura County Paul Smith, Los Angeles County Robert Vasquez, Orange County
4 th Revision by: With input from:	Michael B. Emmons, Santa Barbara County – January 1, 2009 <i>The League of California Surveying Organizations – Revision committee</i> Ray Mathe, Orange County, Chair Michael Raihle, San Bernardino County Jon Hornecker, Orange County <i>California Land Surveyors Association</i>
5 th Revision by: With input from:	John Canas, CSRC – June 22, 2015 Greg Helmer Rich Maher Kimberly Holtz

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LAND SURVEYOR DEFINED

Surveyor or Land Surveyor as used in this guide shall refer to a licensed land surveyor or registered civil engineer authorized to practice land surveying in accordance with Section 8731 of the Professional Land Surveyors Act.

PURPOSES AND REQUIREMENTS FOR A CORNER RECORD

The corner record is the means by which the re-establishment or rehabilitation of public land survey corners or other property corners may be made of record and brought to public attention. The Professional Land Surveyors Act (Business and Professions Code, Chapter 15, Division 3, Section 8700 et.seq.) provides that:

 A corner record shall be filed for every public land survey corner or accessory, except a "lost corner", which is found, set, reset or used as control in any survey by a Land Surveyor. (8773(a))

After the establishment of a lost corner, as defined by the <u>Manual of Instructions for the</u> <u>Survey of the Public Lands of the United States</u>, a record of survey shall be filed as set forth in Section 8764. (8773(c))

A Land Surveyor may file a corner record as to any property corners, property controlling corners, reference monuments or accessories to a property corner. (8773(c))

The filing of a corner record with the County Surveyor does not relieve the Land Surveyor of the responsibility to file a record of survey if required by Section 8762 of the Professional Land Surveyors Act.

A record of survey may be filed in lieu of a corner record.

- 2. A corner record shall be filed in cases where a Record of Survey is not required per 8765(d) when the survey is a retracement of lines shown on a subdivision map, official map or record of survey, where no material discrepancies with such record are found and sufficient monumentation is recovered to accurately locate the record corner positions and any property corners set, reset or found to be of a different character than indicated by prior records are shown thereon. (8765(d))
- 3. No corner record needs to be filed (8773.4) when:
 - (a) A corner record is on file and the corner is found as described in the existing corner record.
 - (b) All conditions of Section 8773 are complied with by proper notation on a record of survey or subdivision map filed in compliance with the Land Surveyor's Act or Subdivision Map Act.
 - (c) Section 8773.4 shall not apply to maps filed prior to effective date of said section. (Section 8773.4 was enacted on January 1, 1973)
 - (d) When the survey is a survey of a mobile home park interior lot as defined in Section 18210 of the Health and Safety Code, provided that no subdivision map, official map, or record of survey has been previously filed for the interior lot or no conversion to residential ownership has occurred pursuant to Section 66428.1 of the Government Code.

The corner record was created to fill the need for a short and inexpensive method of making survey information available to the public without the necessity of a record of survey. The County Engineers Association of California believes that the following interpretation of the Professional Land Surveyors Act as it relates to corner records is a reasonable approach and in line with the purpose for which the corner record was created.

- 1. The corner record should be legible, clear and dark enough for archival and reproduction purposes. All signatures to be in ink.
- 2. A Corner Record shall be a single 8.5 x 11 inch sheet which may consist of a front and back page.
- 3. When monuments are recovered, their record, status and description should be identified. "No record" monuments should be identified as such.
- 4. The corner record should clearly indicate the method used to determine the location of all monuments set.
- 5. A corner record may be used when monuments are set at points previously shown on a subdivision map, official map or record of survey.
- 6. More than one monument can be shown on a corner record provided the sketch is adequate to indicate how each monument was set and its relationship to other monuments of record.
- 7. The survey of a parcel described by a "metes and bounds" description and not shown on a previously filed or recorded subdivision map, official map or record of survey requires that a record of survey be filed.
- 8. A corner record shall be filed on lots within a subdivision where no original monuments are shown to have been set, provided there is no material discrepancy with record and sufficient monumentation is found to establish the precise location of property corners thereon. (8765(d))
- 9. Sections 8762 (b) and 8765 (d) of the Professional Land Surveyor's Act limits "material discrepancy" to the material discrepancy in the position of points, lines, or in dimensions.
- 10. A reference to the California Coordinate System is optional at the discretion of the submitting surveyor. However, if a reference to the California Coordinate System is shown, field measured ties to CCS83 points must be shown. Refer to Sections 8813 and 8817 of the Public Resources Code.
- 11. Any survey based upon the metric system should be clearly identified as such. It is recommended that a bold note and/or metric logo be placed on the page with the drawing.
- 12. A Corner Record or Record of Survey shall be filed to perpetuate existing monuments as referenced in Section 8771(b) of the Public Resources Code.

RESPONSIBILITIES OF THE PRIVATE SURVEYOR/ ENGINEER

-CORNER RECORD-

- 1. The surveyor is responsible to recognize the conditions permitting the use of a corner record in compliance with the Professional Land Surveyors Act.
- 2. The surveyor shall complete, sign, date and stamp with his/her seal, enter expiration date of license or registration, and file with the County Surveyor of the County in which the corner is located, a corner record when required. (411(h))
- 3. The sketch prepared as part of the corner record shall be sufficiently complete and in accordance with Board Rule 464 to allow another surveyor to determine the method used to establish the corner. The drawing shall show measurements which relate the corner to other identifiable monuments. (Board Rule 464 (a)(6))
- 4. The surveyor shall reconstruct or rehabilitate the corner monuments shown on a corner record and accessories to such corners, so that the same shall be left by him/her in such physical condition that it remains a permanent monument. (8773.3)
- 5. The surveyor shall file the corner record within 90 days from the date a corner was found, set, reset or used as control on any survey, when required. (Board Rule 464(10)(c), 8762 LS Act)

STATE OF CALIFORNIA, BUSINESS & PROFESSIONS CODE

8771. Record of survey - monumentation

(a) Monuments set shall be sufficient in number and durability and efficiently placed so as not to be readily disturbed, to assure, together with monuments already existing, the perpetuation or facile reestablishment of any point or line of the survey.

(b) When monuments exist that control the location of subdivisions, tracts, boundaries, roads, streets, or highways, or provide horizontal or vertical survey control, the monuments shall be located and referenced by or under the direction of a licensed land surveyor or registered civil engineer prior to the time when any streets, highways, other rights-of-way, or easements are improved, constructed, reconstructed, maintained, resurfaced, or relocated, and a corner record or record of survey of the references shall be filed with the county surveyor. They shall be reset in the surface of the new construction, a suitable monument box placed thereon, or permanent witness monuments set to perpetuate their location if any monument could be destroyed, damaged, covered, or otherwise obliterated, and a corner record or record of survey filed with the county surveyor prior to the recording of a certificate of completion for the project. Sufficient controlling monuments shall be retained or replaced in their original positions to enable property, right-of-way and easement lines, property corners, and subdivision and tract boundaries to be reestablished without devious surveys necessarily originating on monuments differing from those that currently control the area. It shall be the responsibility of the governmental agency or others performing construction work to provide for the monumentation required by this section. It shall be the duty of every land surveyor or civil engineer to cooperate with the governmental agency in matters of maps, field notes, and other pertinent records. Monuments set to mark the limiting lines of highways, roads, streets or right-of-way or easement lines shall not be deemed adequate for this purpose unless specifically noted on the corner record or record of survey of the improvement works with direct ties in bearing or azimuth and distance between these and other monuments of record.

(c) The decision to file either the required corner record or a record of survey pursuant to subdivision (b) shall be at the election of the licensed land surveyor or registered civil engineer submitting the document.

[Amended, Chapter 1054, Statutes of 2000]

RESPONSIBILITIES OF THE COUNTY SURVEYOR

WHEN REVIEWING A CORNER RECORD

- 1. The County Surveyor shall, by examination, assure that the corner record does not indicate a division of land nor require a record of survey, after which he/she shall file the corner record.
- 2. The County Surveyor of the County containing the corner shall receive and file the completed corner record by assigning a document number to the corner record and securing it in a book for that purpose. (8773.2)
- 3. Corner records shall be filed and cross-indexed in such a manner to be readily available to the public for research purposes. (8774.5)
- 4. The County Surveyor shall examine the corner record within 20 working days after receipt for conformance with the Professional Land Surveyors Act. (8773.2)
- 5. Should the County Surveyor discover that a problem exists with the corner record, as submitted, he/she shall return it to the surveyor or engineer authorized to practice land surveying who submitted it, with a full written explanation of the problem. The surveyor or engineer who submitted the corner record has the option of correcting the corner record or asking the County Surveyor to file it as originally submitted. If the surveyor or engineer requests the County Surveyor to file the corner record as originally submitted, the County Surveyor shall describe the problem in the County Surveyors comment on the form and file it as requested within 10 working days after receipt. When the County Surveyor places an explanatory note on a corner, he/she shall transmit a copy of the filed document within 10 working days of the filing to the submitting land surveyor or registered civil engineer. (8773.2)

The required form to use and examples of corner records now filed within the State are provided as an example of properly executed corner records.

SECTION 464 – BOARD RULES

464. Corner Record.

(a) The corner record required by Section 8773 of the Code for the perpetuation of monuments shall contain the following information for each corner identified therein:

(1) The county and, if applicable, city in which the corner is located.

(2) An identification of the township, range, base, and meridian in which the corner is located, if applicable.

(3) Identification of the corner type (example: government corner, control corner, property corner, etc.).

(4) Description of the physical condition of

(A) the monument as found and

(B) any monuments set or reset.

(5) The date of the visit to the monument when the information for the corner record was obtained.

(6) For Public Land Corners for which a corner record is required by Section 8773(a) of the Code, a sketch shall be made showing site recovery information that was used for the corner. For other kinds of corners, a drawing shall be made which shows measurements that relate the corner to other identifiable monuments.

(7) A reference to the California Coordinate System is optional at the discretion of the preparer of the record.

(8) The date of preparation of the corner record and, as prescribed by Section 8773.4 of the Code, the signature and title of the chief of the survey party if the corner record is prepared by a United States Government or California State agency or the signature and seal of the land surveyor or civil engineer, as defined in Section 8731 of the Code, preparing the corner record.

(9) The date the corner record was filed and the signature of the county surveyor.

(10) A document or filing number.

(b) A corner record shall be filed for each public land survey corner which is found, reset, or used as control in any survey by a land surveyor or a civil engineer. Exceptions to this rule are identified in Section 8773.4 of the Code.

(c) The corner record shall be filed within 90 days from the date a corner was found, set, reset, or used as control in any survey. The provisions for extending the time limit shall be the same as provided for a record of survey in Section 8762 of the Code.

(d) A corner record may be filed for any property corner, property controlling corner, reference monument, or accessory to a property corner, together with reference to record information. Such corner record may show one or more property corners, property controlling corners, reference monuments, or accessories to property corners on a single corner record document so long as it is legible, clear, and understandable.

(e) When conducting a survey which is a retracement of lines shown on a subdivision map, official map, or a record of survey, where no material discrepancies with these records are found and where sufficient monumentation is found to establish the precise location of property corners thereon, a corner record may be filed in lieu of a record of survey for any property corners which are set or reset or found to be of a different character than indicated by prior records. Such corner records may show one or more property corners, property controlling corners, reference monuments or accessories to property corners on a single corner record document so long as it is legible, clear, and understandable.

(f) The standard markings and standard abbreviations used by the Bureau of Land Management (formerly the General Land Office) of the United States Department of the Interior shall be used in the corner record.

(g) The corner record shall be filed on a form prescribed by the Board. The approved form is BORPELS-1297.

PURPOSE AND REQUIREMENTS FOR A RECORD OF SURVEY

The record of survey is the means by which field surveys relating to property lines, land boundaries or other subjects are brought to public attention. The Professional Land Surveyors Act (Business and Professions Code, Chapter 15, Division 3, Section 8700 et. Seq.) provides that a record of survey made in conformance with the practice of land surveying as defined therein may be filed with the County Surveyor of the county in which the survey was made. It further provides that a record of all surveys relating to land boundaries or property lines shall be filed when certain conditions exist.

A record of survey is required of any field survey relating to land boundaries or property lines whenever the survey discloses any of the following:

1. Material evidence or physical change which in whole or in part does not appear on any previously filed or recorded subdivision map, official map or record of survey or survey record maintained by the Bureau of Land Management of the United States. (8762(a))

"Material evidence" has been defined as evidence of sufficient import as to affect the outcome of a court case, and includes, but is not limited to, the particular items mentioned in Section 8764 of the Professional Land Surveyors Act. This section requires that the record of survey show monuments both "found" and "set", however, the resetting of a previously recorded monument which has become dilapidated would not in and of itself require the filing of a new record of survey but merely a corner record. As long as the purpose and functional identity of the previously recorded monument is maintained by the new monument, and as long as the record (of the monument) is not abrogated by the new monument, there would be no need for a new record of survey.

"Physical change" would apply to topographic or landmark features of importance to the survey which, if not noted, may adversely affect the interpretation of the survey. In regard to monuments, physical change would include the discovery of any evidence pertinent to a monument (except as discussed above) which differs from the previous existing record of said monument.

When the monument to any corner of the Public Survey of the United States or any accessory thereto, (or any other survey corner or control point at the option of the Land Surveyor or Civil Engineer) is found, reset, or used as control in a survey and the same is not shown on a previously recorded record of survey, official map, or subdivision map, such corner or control point shall be reported by means of a corner record or record of survey, as required by the Professional Land Surveyors Act.

2. Material discrepancy with a map of prior record as specified in Section 8762, or other evidence that, by reasonable analysis, might result in alternate positions of lines or points. Sections 8762 (b) and 8765 (d) of the Professional Land Surveyors Act limits "material discrepancy" to material discrepancy in the position of points or lines, or in dimensions.

Here, "material discrepancy" would be any discrepancy in dimensions or positions occurring between the current survey and a survey or map of prior record such that alternate or varying conclusions or interpretations might arise between the two. Factors such as the date(s) of the survey(s), the survey methods and equipment contemporary with said date(s), land values and the requirements of the survey(s), would combine to determine the seriousness of the discrepancy, at which time a professional judgment would be rendered to justify the course of action.

3. Any line or lines not shown on a map of prior record, the positions of which are not ascertainable from an inspection of such map.

4. The points or lines set during a survey of any parcel described in any deed or other instrument of title recorded in the County Recorder's Office and not shown on any subdivision map, official map, or

record of survey. This includes new lines created by lot line adjustments that are monumented or are established during the course of a field survey.

5. After the establishment of a lost corner, as defined by the <u>Manual of Instructions for the Survey</u> of the Public Lands of the United States. (8773 (b))

A record of survey is <u>not</u> required per Section (8765) if any of the following conditions exist:

1. The survey was made by a public officer or under his direction, in his official capacity and a reproducible copy thereof, showing all the data required by Section 8764 with the exception of the recorders statement, has been filed with the County Surveyor of the county in which the land is located.

2. The survey was made by the U.S. Bureau of Land Management.

3. A Final Map or Parcel Map is in preparation for recording under the provisions of the Subdivision Map Act.

4. When the survey is a retracement of lines shown on a subdivision map, official map, or a record of survey, where no material discrepancies with those records are found and sufficient monumentation is found to establish the accurate location of property corner thereon, <u>provided</u> that a corner record is filed for any property corners which are set or reset or found to be of a different character than indicated by prior records.

5. When the survey is of interior lots in a mobile home park provided that the park has not converted to residential ownership or no subdivision map, official map or record of survey has been previously filed of record.

A record of survey cannot be used to create a division of land. All divisions of land must be made by means of a subdivision map, unless exempted by the Subdivision Map Act.

Any line shown on a record of survey map which does not represent an existing title line and which appears to create a new parcel of land should be clearly labeled as to its purpose.

RESPONSIBILITIES OF THE PRIVATE SURVEYOR

-RECORD OF SURVEY-

- 1. The surveyor is responsible to recognize the need to file a record of survey in accordance with Section 8762 of the Professional Land Surveyors Act.
- 2. The surveyor must verify that no violation of the Subdivision Map Act will be created by the filing of the record of survey.
- 3. The survey must be made in conformance with the accepted practices of land surveying in the State of California and the latest edition of the Professional Land Surveyor's Act and of Section 465 of the Rules and Regulations of the Board for Professional Engineers and Land Surveyors.
- 4. The survey must be made under the direct supervision of a licensed Land Surveyor or registered Civil Engineer authorized to practice land surveying in accordance with Section 8762 of the Professional Land Surveyors Act.
- 5. All information pertinent to the establishment of land boundary lines must be clearly shown or referenced on the map of the survey. It shall be the responsibility of the surveyor to examine available records in analyzing his or her survey.
- 6. Lines of occupation or features near corners should be shown if they assists in determining the location of boundary lines and must be shown if they indicate possible alternate locations.
- 7. The surveyor or engineer shall administer and certify oaths when necessary in accordance with Section 8760(a) of the Professional Land Surveyors Act and so indicate on his/her map.
- 8. The surveyor or engineer authorized to practice land surveying should supply the County Surveyor with copies of pertinent deeds, field notes, and other such evidence not readily available in the office of the County Surveyor to aid in the examination of the map.
- 9. The surveyor or engineer shall deliver to the County Surveyor the completed tracings and the required number of prints of each sheet and shall deposit with him/her the required examination and filing fees when or as required.
- 10. Upon the filing of a record of survey or amended record of survey the surveyor or engineer who prepared the map shall transmit a copy of the map, including all recording information, to the County Surveyor, who shall maintain an index, by geographic location, of the maps. The County Surveyor may charge a fee equal to the cost of recording the maps for the purpose of maintaining an index of the maps. This requirement shall not apply to any county which requires these documents to be transmitted to the County Surveyor and requires that official to maintain an index of those documents.
- 11. The surveyor or engineer should encourage the filing of record of survey maps in other situations where a public record would be desirable but not necessarily mandatory under Section 8762 of the Professional Land Surveyors Act.

RESPONSIBILITIES OF THE COUNTY SURVEYOR

WHEN EXAMINING A RECORD OF SURVEY

- 1. The Professional Land Surveyors Act requires the County Surveyor to examine the map for conformance with the requirements of Section 8766 of said Act.
- 2. Section 8766 states that the County Surveyor shall examine the map within 20 working days or such additional time as may be mutually agreed upon, with respect to:
 - a. Its accuracy of mathematical data and substantial compliance with the information required by Section 8764 of the Professional Land Surveyors Act.
 - b. Its compliance with Section 8762.5, 8763, 8764.5, 8771.5, and 8772 of the Professional Land Surveyors Act.

The Land Surveyor or Civil Engineer authorized to practice land surveying submitting the record of survey shall not be required to change the methods or procedures utilized or employed in the performance of the survey, nor is a field survey required for the County Surveyor to verify the data shown on the record of survey. The County Surveyor may add notes to the record of survey expressing opinions regarding the methods or procedures used.

The County Surveyor's examination shall be performed by, or under the direct supervision of a licensed Land Surveyor or registered Civil Engineer authorized to practice land surveying.

- 3. County Surveyor endorsement -If the County Surveyor finds that the record of survey complies with the examination in Section 8766, the County Surveyor shall endorse a statement on it of his or her examination, and shall present it to the County Recorder for filing. Otherwise, the County Surveyor shall return it to the person who presented it, together with a written statement of the changes necessary to make it conform to the requirements of Section 8766. The Licensed Land Surveyor or registered Civil Engineer submitting the record of survey may then make the agreed changes and note those matters which cannot be agreed upon in accordance with the provisions of Section 8768 and shall resubmit the record of survey within 60 days or within a time that is mutually agreed upon. (8767)
- 4. Record of survey explanations of differences: If the matters appearing on the record of survey cannot be agreed upon by the licensed Land Surveyor or the registered Civil Engineer and the County Surveyor within 10 working days after the licensed Land Surveyor or registered Civil Engineer resubmits and requests the record of survey be filed without further change, an explanation of the differences shall be noted on the map and it shall be presented by the County Surveyor to the County Recorder for filing, and the County Recorder shall file the record of survey. The parties shall attempt to reach agreement regarding the language for explanation of the differences. The explanation shall be specific to identify the factual basis for the difference. (8768)
- 5. Upon completion of his examination of the map, the County Surveyor shall endorse a statement on the map showing his or her stamp or seal and the expiration date of his or her license or registration and present it to the County Recorder for filing.

<u>Note</u>: The following page is a guideline endorsed by the County Engineers Association for the review of Records of Survey by the County Surveyor. The guideline is based upon the provisions of the Business and Professions Code and is intended to provide consistency in map checking statewide.

County Engineers Association of California

RECORD OF SURVEY CHECK SHEET

First Check	File No
Recheck No. Fee Paid \$ Date Paid	Date
Recheck No Fee Paid \$ Date Paid_ Surveyor/Engineer	Checked By
Survey Requested By	Location
Circle (0) indicates deficiency – Check (\mathbf{v}) indicates n	o deficiency
Business and Professions Code, Chapter 15, Division 3, Section 870	0 et seq.
Map appears to create a division of land; Subdivision or Parcel	Margin: 1" or 025 mm all around. (8763)
Map required. (8762.5)	Map orientation, title and map body to read from bottom or righ
	side of sheet when north arrow points away from reader where
MAP TITLE	practicable.
Name of City, if applicable	North arrow. (8764)
Name of County, California	Scale. (8764)
"RECORD OF SURVEY,"	City, County or State boundary lines as required.
General description of land surveyed. (8764)	Reference to adjacent tracts or other maps of record when
Date of survey.	pertinent. (8764(d))
Sheet number, when two or more sheets.	
	Legibility of map data. (8763)
CERTIFICATES	Street names and widths shown.
County Recorder's Certificate or space for same (8764.5)	Reference for all found monuments or statement of acceptance
Surveyor's Statement (8764.5)	if used as a control monument (8764)
Signed, dated and sealed (8764.5 & 411(h))	Reference to deeds or official records if necessary for the
County Surveyor's Statement (8764.5)	establishment of lines or points (8764).
Certificate per Sec. 8762.5, if applicable.	Record measurements in parenthesis to be shown when
Memorandum of oaths, if applicable (8760)	beneficial to the interpretation of lines or points or substantiall
No nontechnical certificates or statements on map. (8764.5)	different from measured.
	Purpose indicated for all easements shown.
SURVEYOR'S NOTES	Detail required for clarity.
Basis of Bearings: map of record, celestial observation, State	Arrows needed to clarity dimensions.
Plane Coordinates, or County Surveyor's Records.	No ditto marks.
Found or Set monuments should be shown with distinguishing	Spelling
symbols and include type, size, LS or RCE No. (8764)	
Symbols and nonstandard abbreviations defined. (8764)	SURVEY PROCEDURES
	Survey based upon sufficient control.
MATHEMATICAL ACCURACY	Additional survey information required (8762)
Map loop closures less than 0.02 ft*	Prorations correct.
Bearings shown (8764)	Sectional breakdowns correct.
Distances shown. (8764)*	Deed interpretations correct.
Overall bearings shown	Durable monuments sufficient in number. (8771)
Sum of parts equal total distance or delta.*	Monuments tagged. (8772)
Curve data shown. (Minimum = Delta, Radius, Arc length).*	Relationship to adjacent lines of record when pertinent. (8764)
radial bearings shown where appropriate.	Methods of establishment of lines or points shown where
Areas shown if required for survey	necessary. (8764)
Others *Allowable tolerances for rounding are to be expected.	Other

MAP BODY

_____ Map material; tracing cloth or polyester base film; black ink. (8763)

Map size: 18" x 26" or 460 x 660 mm (876.	3)
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To the Surveyor / Engineer:

Pursuant to Section 8767 of the land Surveyor's Act, the subject map should be corrected as indicated on the above check list and / or check print and returned to this office with:

□ Corrected Prints

□ The corrected original and the ______ filing fee (Payable to County Recorder)

(Name), County Surveyor

Deputy

EXPLANATORY NOTES FOR RECORD OF SURVEY CHECK SHEET

The notes below apply to the stated items on the Check Sheet. The remaining items are (hopefully) self-explanatory.

A. <u>MAP TITLE</u>: The recommended title block for the map sheet should contain the essential items listed on the Check Sheet and should, for the sake of conformity, follow the basic format shown on the sample sheet.

B. <u>SURVEYOR'S NOTES</u>:

1. Basis of Bearings: The bearings shown on the map should be defined in terms of one of the following:

a. A line appearing shown or described on an existing map or title document of record. The reference line shall be a line between any two existing monuments which have been made a part of the current survey and have been shown on the map. The bearing and distance of the reference line shall be shown on the map, and if the distance is also of record, it shall be so stated. Acceptable for reference purposes are final maps, parcel maps (based on a field survey), records of survey maps, City or County Surveyor or Engineer maps, State Highway Department Coordinate Control maps and those Deeds with calls to or for monuments having been previously set.

The form of the note should be substantially as follows: "The basis of bearings for this survey is the North line of the NW ¼ Sec. 3, T.7S., R.2W., S.B.M., shown on R.S. 54/23-25 as S89°21'58''E."

b. A solar or stellar observation.

If the astronomic observations were made on a line which is monumented and shown on the map, the note should make specific reference to that line as, for example:

"The basis of bearings for this survey is the centerline of Sierra Road, shown hereon as N10°15'20"E...; as determined by observation of (Polaris) (the sun).

If the astronomic observations were made on a line not appearing on the map, the note may be generalized to indicate that the bearings shown on the map are referred to the true meridian as determined by observation of (Polaris) (the sun).

In either case, the field notes of the sun or Polaris observation and connection to the lines on the map should be made available to the County Surveyor for his review.

c. The California Coordinate System: When this system is used, the map shall show the line or lines connecting the survey to the control stations used, showing the grid bearings between them, and the relationship between grid north and astronomic north (theta angle). Should coordinates be shown for points established on the map, the control scheme by means of which the coordinates were determined must also be shown on the map. Refer to Section 8813 of the Public Resources Code.

The form of the note should be substantially as follows: "The basis of bearings for this survey is the California Coordinate System (NAD 27 or NAD 83) Zone 5, as determined locally by the line between USG&GS stations BACHELOR and MARCH, shown herein as: N27°32'15"E." If an FGCS, or its successor, order of accuracy is claimed for a survey or a map, it shall be justified by additional written data that shows equipment, procedures, closures, adjustments, and a control diagram.

<u>Note</u>: Public Resources Code, Section 8817 requires NAD 83 on all new surveys and new mapping projects effective January 1, 1995. The Federal Geodetic Control Subcommittee (FGCS) was formerly the Federal Geodetic Control Committee.

2. Any survey based upon the metric system should be clearly identified as such. It is recommended that a bold note and/or metric logo be placed conspicuously on the map.

3. Other explanatory notes and comments as required.

C. <u>MAP BODY</u>:

1. All lettering should be placed so as to be read most conveniently with the North arrow pointing away from the reader where practicable.

2. <u>Adjacent Subdivisions, etc</u>: The relationship to those portions of adjacent tracts, streets, or senior conveyances which have common lines with the survey.

3. <u>References for Found Monuments:</u> All monuments shown as "found on the map shall be described as to type, material, height relative to the ground surface, stamping/tagging, with a reference to a record map or field book where the monument was shown as having been set or accepted for use as the corner cited. If no record can be found to substantiate the monument, indicate same. It is recommended that untagged monuments used for control or accepted as corners should be tagged by the surveyor in responsible charge.

D. <u>LEGIBILITY OF MAP DATA</u>:

(Note: The County Surveyor as ex officio County Recorder is responsible for determining the clarity, legibility and archival quality of a map and based on these criteria can make a determination as to the recordability of a map. The following are some general recommendations.)

1. <u>Lines</u>: Normally, the weight of a line is used to denote a specific level of importance to that line, the heavier lines being of more importance than the light weight lines. It has been customary to represent various types of lines as follows:

a. Lines denoting the boundary of the land requested specifically to be surveyed are shown with heavy solid lines, the weight being usually three times greater than that of other lines on the map, except the border, unless clarity dictates otherwise.

b. Public street side lines are shown by light solid lines, unless clarity dictates otherwise.

c. Other lines (adjoining lots, tracts, etc.) are shown as light dashed lines, unless clarity would dictate otherwise. Lines that do not contribute to the easy interpretation of the map should be kept to a minimum.

d. Other special purpose lines may be used (e.g., centerlines, county boundary lines, section lines, control lines, etc.) but should be clearly identified by note or symbol.

2. <u>Lettering</u>: Lettering should be of an open, rounded style, either vertical or slanted, and of such size that it can be reproduced via microfilming, scanning or equivalent processes and still be easily read. Experience has indicated that the minimum size of lettering which will meet these requirements is 0.080", with a pen size that will keep the letters open. A sufficient space should be left between any letters and lines to insure that the lettering will not bleed into the lines when reproducing a map copy from microfilm.

The following records of survey are examples now filed within this state and are provided as a reference to properly prepared records of survey maps.

THE LEAGUE OF CALIFORNIA SURVEYING ORGANIZATIONS

GPS RECORD OF SURVEY

GUIDELINES REVISED JULY 1, 1999

PREPARED BY

CEAC GUIDE REVISION COMMITTEE

LEGEND: The numbers shown hereon correspond to particular items on the map.

(1) Purpose statement: This should include the adjustment year and zone, as well as GPS survey type: static, rapid static, kinematic or pseudo-kinematic.

(2) Reduction software and version report.

(3) Location and name of stations established, including datum and adjustment epoch (date).

(4) Basis of Bearings Note: Although the term "Basis of Bearings" is used here, this note indicates which stations are used rather than which line is held. Grid and geodetic coordinates are shown.

(5) Location and name of NGS fixed stations used to constrain the adjustment of the positions of the stations established hereon.

(6) Location, name and adjustment epoch (date) of stations held fixed and show the zone applicable to county.

(7) This note defines the distances as being grid.

(8) Combination factor for each station is shown. Ground distances between any two stations may be computed using the average factor of the two combination factors.

(9) Indicates where to find the reference for any station shown on the map.

(10) FGCS procedures used.

(11) (Typical) Location of major streets and highways showing the relationship of the GPS points to them. Quad sheet name and date for screened background, if used.

(12) Schematic diagram showing the relationship of the stations. Connecting stations with vectors are not necessary. As an option for information on this record of survey, the solid lines represent intervisibility and the dashed lines represent non-intervisibility.

(13) Table showing station number, name and description of monument and general location.

(14) If elevations are shown, include a statement explaining how the elevations were obtained, i.e., "Geoid heights determined by", or "Orthometric elevations shown were derived using and applying this value to the ellipsoidal height".

Basis of Bearings (Optionally including Coordinates)

Introduction

The California Coordinate System ("CCS") is defined and regulated in the California Public Resources Code ("PRC") §§8801-8819 *California Coordinate System*.

The purpose of this document is to provide guidance and sample language for preparing a statement to document the basis of the bearings and, as an option, the use of coordinates, on a record of survey or subdivision map submitted for filing. The use of CCS stations to establish the orientation and location of these surveys requires specific documentation, to be in compliance with the aforementioned sections of the PRC.

This document is prepared in 2015 and assumes a modern survey and the usage of the current CCS version based on the North American Datum of 1983 ("NAD83"), known as CCS83.

The use of the term "State Plane Coordinates" in California refers only to CCS27 and CCS83 coordinates and is subject to the requirements of §§8801-8819.

Plane coordinate values (i.e. CCS83) are expressed in feet and decimals of a foot, or meters and decimals of a meter. When expressed as feet, the "U.S. Survey Foot" (i.e. one foot = 1200/3937 meters) shall be used. The Cartesian "Y" coordinate will be known as the "Northing" and the "X" coordinate will be known as the "Easting".

As a matter of survey procedure, any survey that uses or establishes a CCS83 value shall have fieldobserved statistically independent connections to one or more horizontal reference stations published by the California Spatial Reference Center ("CSRC") or the National Geodetic Survey ("NGS") or stations that meet all the requirements for inclusion in the California Spatial Reference Network as detailed in §8813.1(a).

The additional documentation required for accuracy statements, per 8813.2 and §8815.4 <u>are not</u> <u>covered in this document</u>

Surveys and maps submitted that use or establish CCS83 values shall include in their documentation (i.e. statement of basis of bearings and optionally coordinates) the following items, under <u>Sample Language</u>. The use of CCS83, even if only for a basis of bearings without intent to establish coordinates still must show the CCS83 values of the referenced and connected reference station(s) per §8813.3(a) and thereby becomes subject to the requirements of §8815.5 as well. The appurtenant §8815.1 requires the epoch date in decimal year format with 2 decimal places (i.e Year and Julian Date/365) and the format of the datum and zone names are regulated in §8815 and §§8803-8809, respectively.

Sample Language

Basis of [Coordinates and] Bearings

The [coordinates and] bearings shown hereon are based upon the California Coordinate System of 1983, CCS83, Zone N, (20NN.NN) in accordance with the California Public Resources Code Sections 8801-8819; said [coordinates and] bearings are based locally upon field-observed ties to the following California Spatial Reference Network, or equivalent stations:

Referenced CSRC (optionally NGS) Station(s) Connected

Station	Northing (Y)	Easting (X)	Height (or) Elevation	Accuracy(ies)

Mapping Angle and Grid Factor

Station (optional)	Northing (Y)	Easting (X)	Mapping Angle	Combination Factor	Elevation (optional)	Height

Notes: All [coordinates and] distances shown, unless otherwise noted, are in terms of the U.S. Survey Foot (optionally Meter). As used in tables above, Elevation refers to the California Orthometric Height ("COH88") or equivalent of the point where the mapping angle and combination factor were calculated in terms of the North American Vertical Datum of 1988 ("NAVD88") and Height refers to the vertical value of the California Geodetic Coordinate or equivalent ellipsoid height used to calculate the combination factor. In the event that the calculations are not performed at a "real" point in the survey, there may be no Station or Elevation to list.

"Ground" Survey * If the survey and map are showing ground distances, the following statement should be made in some form:

Distances shown hereon, are ground distances. To approximate CCS83 grid distances multiply the distances by the combination factor provided hereon.

"Grid" Survey * If the survey and map are showing CCS83 grid coordinate values or distances, the following statement should be made in some form:

Distances shown hereon or inversed from coordinates shown hereon are in reference to CCS83. To approximate local ground distances divide by the combination factor provided hereon.

Sample Corner Records & Records of Survey

(This section reserved for counties to provide samples from their respective jurisdictions)

Vertical Corner Record

CORNER RECORD Document Number 2008 - XXXX City of SANTA ANA County of ORANGE , California Brief Legal Description COUNTY OF ORANGE BENCHMARK " 1A - XXX - 98 "
CORNER TYPE N Government Corner Control Meander Property Rancho Other Date of Survey 1/01/09 Meas. Units: Metric U.S. Survey foot 🖄
Corner — Left as found Found and tagged Established Reestablished Rebuilt
Identification and type of corner found; Evidence used to identify or procedure used to establish or reestablish the corner: FOUND O.C.S. BENCHMARK STAMPED 1A - XXX - 98. BENCHMARK WAS FOUND PER COUNTY OF ORANGE VERTICAL CONTROL DATA SHEET 1A - XXX - 98.
A description of the physical condition of the monument as found and as set or reset: <u>SET 2</u> LEAD AND TAG STAMPED "RM LS XXXX", ON TOP OF CURB AND 1-1/2" I.P. WITH BRASS TAG STAMPED "BM LS XXXX", FLUSH IN DIRT AT BACK OF WALK.
SURVEYOR'S STATEMENT This Corner Record was prepared by me or under my direction in conformance with the Land Surveyor's Act on \underline{JAN} , 24 , 2009
Signed Clem Domes (L.S.) or R.C.E. No. XXXX (EXP. 9/30/09) *
COUNTY SURVEYOR'S STATEMENT This Corner Record was received JAN . 28, 2009
This Corner Record was received JAN . 28 , 2009 and examined and filed JAN . 30 , 2009 Signed October Coole Title COUNTY SURVEYOR
County Surveyor's Comment
Page 1 of 2



Monument Preservation Corner Record

City of UNINCOR	PURATED			_ County EC MC	y of NUMEN	ORANI		, Ca ALL ST.
Brief Legal Descriptio	430' +/-	WLY O	F MEADS		ER CO	R.REC. D	0C.N	10. 2007 TES (Option
		CORNER	TYPE			N		
l l	Government Meander	Corner	Control Property			Zone NAD83 Epoc	:h	NAD27
	Rancho		Other			Elev Vert. Datum:		
	Date of Surv	ey JULY	30,200	7		Meas. Units:		tric 🔲 Imperial U.S. Survey Feet
Corner — Left :	as found 🔲	Found and	tagged 🔲	Establish	ned 🔲 🛛 F	Reestablish	ned 🔳	Rebuilt
Identification and type	e of corner four	nd; Evidence	used to ident	tify or proc	edure use	d to establi	sh or re	eestablish the
IT IS THE PU RE-ESTABLISH	IRPOSE OF			DNUME				INC MAD
TO DETERMIN				MONUM		OR THE		ROPER
LOCATIONS IN						S IN T	HE 4	AREA.
A description of the p	ohysical conditi	on of the mo	nument as for	und and a	s set or re	set:		
SET PUNCHED	SPIKE A	ND 11/2"	0.C.S. BR	ASS T	AG, FLI	set: JSH_IN	AC.	
A description of the p SET PUNCHED PER CORNER	SPIKE A	ND 11/2"	0.C.S. BR	ASS T	AG, FLI	set: JSH_IN	AC.	
SET PUNCHED	SPIKE A	ND 11/2"	0.C.S. BR	ASS T	AG, FLI	set: JSH IN	AC.	
SET PUNCHED	SPIKE A	ND 11/2"	0.C.S. BR	ASS T	AG, FLI	set: JSH IN	AC.	
SET PUNCHED	SPIKE A	ND 17	0.C.S. BR IT NO. 20	ASS T 007-112	AG, FLI	set: JSH IN	AC.	LAND SUR
SET PUNCHED	SPIKE A RECORD [ND 1½"	O.C.S. BR IT NO. 20 STATEMENT	ASS T 007-112	<u>AG, FLU</u> 27.	JSH IN	AC.	LAND SURVIL SANDEFED
SET PUNCHED PER CORNER	SPIKE A RECORD I SUF	ND 1½"	O.C.S. BR IT NO. 20 STATEMENT ler my directic	ASS T 007-112	<u>AG, FLU</u> 27.	JSH IN	A CONTRACTOR	LAND SUPPLY SANDEFEP XP. 12/31/08
SET PUNCHED PER CORNER	SPIKE A RECORD I SUF	ND 1 ¹ / ₂ " DOCUMEN RVEYOR'S S by me or und C Avg o	O.C.S. BR IT NO. 20 STATEMENT ler my directic 3 ST 12	ASS T 007-112 - - - - - - - - - - - - - - - - - -	<u>AG, FLU</u> 27.	JSH IN	× (E)	LAND SUPPLY SANDEFEP XP. 12/31/08
SET PUNCHED PER CORNER	SPIKE A RECORD I SUF	ND 1 ¹ /2" DOCUMEN RVEYOR'S S by me or und C Avg o	O.C.S. BR IT NO. 20 STATEMENT ler my directic	ASS T 007-112 - - - - - - - - - - - - - - - - - -	AG, FLU 27.	JSH IN	× (E)	LAND SURVE SANDEFER
SET PUNCHED PER CORNER	SUF SUF was prepared to Act on	ND 11/2" DOCUMEN RVEYOR'S S by me or und C AVG U	D.C.S. BR IT NO. 20 STATEMENT ler my directic Sor R.C.E. DR'S STATE	ASS T 007-112	AG, FLU 27.	JSH IN	× (E)	LAND SUPPLY SANDEFEP XP. 12/31/08 No. 5967
SET PUNCHED PER CORNER	SUF RECORD I SUF was prepared to Act on Sand of COUNT	ND 11/2" DOCUMEN RVEYOR'S S by me or und C AVG U	D.C.S. BR IT NO. 20 STATEMENT ler my directic $y \leq T$	ASS T 007-112	AG, FLU 27.	JSH IN	× (E)	LAND SUPPLY SANDEFEP XP. 12/31/08 No. 5967
SET PUNCHED PER CORNER	SUF RECORD I SUF was prepared to Act on Sawd-y COUNT was received	ND 11/2" (DOCUMEN RVEYOR'S S by me or und C AUGU L Y SURVEYO	O.C.S. BR IT NO. 20 STATEMENT ler my directic Sor R.C.E. DR'S STATE AUG 1 4	ASS T 007-112 	AG, FLU 27. ormance w 5967	JSH IN	10000000000000000000000000000000000000	LAND SURVE SANDEFER XP. 12/31/08 No. 5967 OF CALLIO OF CALLIO LAND SURVE C. HORNECKER
SET PUNCHED PER CORNER This Corner Record of the Land Surveyors' Signed	SUF RECORD I SUF was prepared to Act on Sawd-y COUNT was received	ND 11/2" (DOCUMEN RVEYOR'S S by me or und C AUGU L Y SURVEYO	D.C.S. BR IT NO. 20 STATEMENT ler my directic Sor R.C.E. DR'S STATE	ASS T 007-112 	AG, FLU 27. ormance w 5967	JSH IN	10000000000000000000000000000000000000	LAND SUPPLY SANDEFEP XP. 12/31/08 No. 5967
SET PUNCHED PER CORNER This Corner Record of the Land Surveyors' Signed This Corner Record and examined and fi	SUF RECORD I SUF was prepared to Act on COUNT was received iled AUG 3	ND 11/2" DOCUMEN RVEYOR'S S by me or und C AUGU Y SURVEYO 0 2007	O.C.S. BR IT NO. 20 STATEMENT ler my directic 957 , 2 Sor R.C.E. DR'S STATE AUG 1 4 (L.S. or R.C.	ASS T 007-112 	AG, FLU 27. ormance w 5967	JSH IN	10000000000000000000000000000000000000	LAND SURVE SANDEFER XP. 12/31/08 No. 5967 OF CALLIO OF CALLIO LAND SURVE C. HORNECKER
SET PUNCHED PER CORNER	SUF RECORD I SUF was prepared to Act on COUNT was received iled AUG 3	ND 11/2" DOCUMEN RVEYOR'S S by me or und C AUGU Y SURVEYO 0 2007	O.C.S. BR IT NO. 20 STATEMENT ler my directic 957 , 2 Sor R.C.E. DR'S STATE AUG 1 4 (L.S. or R.C.	ASS T 007-112 	AG, FLU 27. ormance w 5967	JSH IN	10000000000000000000000000000000000000	LAND SURV SANDEFER XP. 12/31/08 No. 5967 OF CALLIO OF CALLIO C. HORNECKER EXP. 3/31/08
SET PUNCHED PER CORNER	SPIKE A RECORD I SUF was prepared to Act on COUNT was received iled AUG 3	ND 11/2" DOCUMEN RVEYOR'S S by me or und 2 Avg u 4 Ug U V SURVEYOR 0 2007 URVEYOR URVEYOR	O.C.S. BR IT NO. 20 STATEMENT ler my directic Sor R.C.E. DR'S STATE AUG 1 4 (L.S.)or R.C.	ASS T 207-112 	AG, FLU 27. ormance w 5967 7212	JSH IN	10000000000000000000000000000000000000	LAND SURV SANDEFER XP. 12/31/08 No. 5967 OF CALLIE LAND SURV C. HORNECES EXP. 3/31/08 No. 7212



Boundary Corner Record

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Block: 5552, Module: 8 CORNER RECORD	
	Document Number
City of IRVINE	County of ORANGE, California
Brief Legal Description	613, PMB 188/28-33, RECORDS OF OR. CO.
I CORNER TYPE I Government Corner I Meander I Rancho Date of Survey MAY, 19	(Optional) Control N Property E Other Zone
Corner — Left as found 🗌 Found and tagged 🗌	Established 🗌 Reestablished 🗌 Rebuilt 🗍
Identification and type of corner found Evidence used to iden <u>RE-ESTABLISHED PROPERTY COR</u> <u>AS SHOWN ON PAGE 2 OF 2</u>	NER FROM FOUND MONUMENTATION
A description of the physical condition of the monument as	found and as set or reset <u>SEE PAGE 2 OF 2</u>
SURVEYOR'S STATEMENT	SOMAL LAND SUPER
This Corner Record was prepared by me or under my dire	
	19 <u>98</u>
Signed LS or REE NL	
COUNTY SURVEYOR'S STATEMEN	NT
	19 2 and examined
and filed October 27th 1998	
County Surveyor's Comment	PTE OF CALIFORNI



GPS Record of Survey



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SHEET 2 OF 12 SHEETS

RECORD OF SURVEY NO. 2008-1045

IN THE INCORPORATED CITY OF SAN CLEMENTE AND THE UNINCORPORATED TERRITORY OF THE COUNTY OF ORANGE AND EXTENDING INTO THE UNINCORPORATED TERRITORY OF THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA.

DATE OF SURVEY: NOVEMBER, 2008

BASIS OF COORDINATES

COORDINATES SHOWN HEREON ARE IN TERMS OF THE CALIFORNIA COORDINATE SYSTEM (CCS83) ZONE VI 1983 NAD (1991, 35 EPOCH ADJUSTMENT) BASED LOCALLY UPON THE FOLLONING COUNTY OF ORANGE CONTROL STATIONS AS PUBLISHED BY THE COUNTY OF ORANGE:

SHEET NO.	STATION NO.	NAME	NORTHING (FT)	EASTING (FT)	Computed Ellipse Height (FT)	COMBINATION FACTOR (C.F.)	DESCRIPTION
11	0282	GPS 1480 V-282	2086774.054	6151707.561	-99.170	0.99995931	0.C.S. GPS # 1480 - FOUND 3 3/4" USC & GS BRASS BENCHWARK DISK STAMPED "V-282" IN TOP OF CONC. PIER FOR RAILROAD BRIDGE PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.
4	0567	GPS 1449 M567	2149907.876	6154651.994	312.696	0.99994692	0.C.S. GPS # 1449 - FOUND 3 3/4" USCAGS BRASS DISK STAMPED "M-567 1939" IN TOP OF CONC. POST, FLUSH PER R.S. NO. 95-1066, R.S.B. 154/8-18.
1	1482	GPS 1482 3Y-38-91	2112181.904	6149721.339	139.019	0.99994975	0.C.S. GPS # 1482 - FOUND 3 3/4" 0.C.S. ALUM, BENCHMARK DISK STAMPED "3Y-38-91" IN TOP OF CONC. CATCH BASIN PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.
5	2619	GPS 9005 3W-49-79	2136384.582	6148373.920	218.100	0.99994910	0.C.S. GPS # 9005 - FOUND 3 3/4" 0.C.S. ALUN. BENCHMARK DISK STAMPED "3W-49-79" IN TOP OF CONC. POST , FLUSH, PER R.S. NO. 92-1035, R.S.B. 151/1-11.
3	2622	GPS 1450 3EE-24-91	2159727.357	6145251.974	644.808	0.99993299	0.C.S. GPS # 1450 - FOUND 3 3/4" 0.C.S. ALUM. BENCHMARK DISK STAMPED "3EE-24-91" IN TOP OF CONC. HEADWALL PER R.S. NO. 95-1066, R.S.B. 154/8-18.
3	2624	GPS 1489 3EE-14-72	2163578.458	6150554.359	738.883	0.99992930	0.C.S. GPS # 1489 - FOUND 3 3/4" 0.C.S. ALUN. BENCHMARK DISK STAMPED "JEE-14-72" IN TOP OF 0.5' X 0.5' CONC. POST, FLUSH, PEI RECORDS ON FILE IN THE OFFICE OF THE DRANGE COUNTY SURVEYOR.
1	9001	CGPS WHYT	2191879.593	6137737.003	873.253	0.99992997	O.C.S.CONTINUOUS GPS STATION "WHYT" AT GEODETIC REFERENCE MARK Bmm BELOW BASE OF ANTENNA PRE-AMP, PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.
۱	9002	CGPS TRAK	2171989.938	6088763.429	381.613	0.99994813	O.C.S.CONTINUOUS GPS STATION "TRAK" AT GEODETIC REFERENCE MARK Brom BELOW BASE OF ANTENNA PRE-AMP, PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.
1	9003	CGPS SBCC	2147749.084	6131653.964	293.441	0.99994739	O.C.S.CONTINUOUS GPS STATION "SBCC" AT GEODETIC REFERENCE WARK Bmm BELOW BASE OF ANTENNA PRE-AMP, PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.
1	9014	GPS 9014 3PP-24-89	2178546.660	6148392.290 .	801.593	0.99992983	0.C.S. GPS # 9014 - FOUND 3 3/4" 0.C.S. ALUN. BENCHWARK DISK STAMPED "3PP-24-89" IN TOP OF CONC. CATCH BASIN PER R.S. NO. 92-1035, R.S.B. 151/1-11.

STATE PLANE COORDINATES ARE SHOWN IN TERMS OF US SURVEY FEET (ONE FOOT = 12/39.37 METERS).

BENCHMARK NOTES

Elevations shown hereon are in terms of the North American Vertical Datum of 1988 (NAVD88) Based Locally upon the following county of orange Benchmarks (0.C.S. 1995 Adjustment):

SHEET NO.	STATION NO.	NAME	ELEVATION (FT)	YEAR LEVELED	DESCRIPTION
11	0282	GPS 1480 V-282	14.79	1988	0.C.S. GPS # 1480 - SEE ABOVE FOR MONUMENT DESCRIPTION.
4	0567	GPS 1449 M567	424.40	1990	O.C.S. GPS # 1449 - SEE ABOVE FOR MONUMENT DESCRIPTION.
1	1482	GPS 1482 3Y-38-91	252.20	2005	0.C.S. GPS # 1482 - SEE ABOVE FOR MONUMENT DESCRIPTION.
5	2612	GPS 3W-30-72	357.38	1990	FOUND 3 3/4" O.C.S. ALUM, BENCHMARK DISK STAMPED "3M-30-72" IN TOP OF 0.5' X 0.5' CONC. POST, UP 0.2', PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.
5	2619	GPS 9005 3W-49-79	330.56	1990	0.C.S. GPS # 9005 - SEE ABOVE FOR MONUMENT DESCRIPTION.
3	2622	GPS 1450 3EE-24-91	756.04	1992	0.C.S. GPS # 1450 - SEE ABOVE FOR MONUMENT DESCRIPTION.
3	2624	GPS 1489 3EE-14-72	850.35	1992	0.C.S. GPS # 1489 - SEE ABOVE FOR MONUMENT DESCRIPTION.
1	9001	CGPS WHYT	984.40		0.C.S.CONTINUOUS GPS STATION "WHYT" (SEE DESCRIPTION ABOVE)
1	9002	CGPS TRAK	495.31		0.C.S.CONTINUOUS GPS STATION "TRAK" (SEE DESCRIPTION ABOVE)
1	9014	GPS 9014 3PP-24-89	912.62	1989	0.C.S. GPS # 9014 - SEE ABOVE FOR MONUMENT DESCRIPTION.
	N/A	GPS 311-4-77	719.41	1992	FOUND 3 3/4" O.C.S. ALUM. BENCHMARK DISK STAMPED "311-4-77" IN TOP OF 0.5' X 0.5' CONC. POST, UP 0.3', PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

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NOTES:

1) SEE SHEET 1 FOR STATEMENT OF PURPOSE, ACCURACY STATEMENT, MONUMENT NOTES, SHEET INDEX AND VICINITY MAP.

2) SEE SHEET 12 FOR COORDINATE VALUES AND ADDITIONAL MONUMENT DESCRIPTIONS.

10-104460





SHEET 12 OF 12 SHEETS

RECORD OF SURVEY NO. 2008–1045 IN THE INCORPORATED CITY OF SAN CLEMENTE AND THE UNINCORPORATED TERRITORY OF THE COUNTY OF ORANGE AND EXTENDING INTO THE UNINCORPORATED TERRITORY OF THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA.

DATE OF SURVEY: NOVEMBER, 2006

4 1020 2008-04 4-448-120 Supplementation		SHEET NO.	STATION NO.	NORTHING (FT.)	EASTING (FT.)	COMPUTED ELEVATION (FT.)	COMBINATION FACTOR	DESCRIPTION
9 1000 20080127		6	10209	2129519.47	6154857.37		0.99994479	FOUND 3" BRASS DISK STAMPED "SOUTHERN CALIFORNIA EDISON COMPANY P.I. W", DOWN
e light Processing ethics Processing <		9	10210	2109801.33	6156296.27		0.99994953	FOUND 3" BRASS DISK STAMPED "SOUTHERN CALIFORNIA EDISON COMPANY L.S. 2827", PER
9 1002 2014 10		9	10211	2108656.37	6156176.97		0.99994724	
s type 20200000 20200000 Construction Constructi		9	10212	2107440.94	6156050.32		0.99994076	
1 0.00 Control 15.00 0.000 Fig. 10 House 10.00 COLUMP. 10 1022 2037173.0 0.000 AU Fig. 100 AU 1000 AU Fig. 100 AU 1000 AU <td></td> <td>9</td> <td>10213</td> <td>2106203.47</td> <td>6155921.38</td> <td></td> <td>0.99993690</td> <td>FOUND 1" IRON PIPE WITH CAP STAMPED "USA TC HA", NO REFERENCE, DOWN 0.4'.</td>		9	10213	2106203.47	6155921.38		0.99993690	FOUND 1" IRON PIPE WITH CAP STAMPED "USA TC HA", NO REFERENCE, DOWN 0.4'.
0 0		9	10216	2103278.57	6155616.61		0.99994613	FOUND 3" BRASS DISK STAMPED "SOUTHERN CALIFORNIA EDISON COMPANY L.S. 2827", PER R.S. NO. 7033 FILED IN RECORD OF SURVEY MAPS, RECORDS OF SAN DIEGO CO., FLUSH.
16 1/220 259794-80 93482.1 0.9992420 77033.1.0.7 Mod. 2000 50 SAME Value (2000) 57.4 Mod. 2000 71.4 Mo		10	10222	2097797.51	6155045.50		0.99994490	FOUND 2" IRON PIPE WITH 2 1/2" BRASS DISK STAMPED "SCEC L.S. 2827", NO REFERENCE,
9 1028 10		10	10223	2097194.90	6154982.71		0.99994677	FOUND 2" IRON PIPE WITH 2 1/2" BRASS DISK STAMPED "SCEC L.S. 2827" PER R.S. NO.
ID DOUBLE DOUBLE <thdoube< th=""> <thdoube< th=""></thdoube<></thdoube<>	1				6154781 35		0.00003028	
1 1		-						
Norm All Const. County Turgs Fork St. Tot. 2011; 1995 Part St. Tot. 2011; 2		11	20037	208/411.4/	6150834.42		0.99995869	DISK STAMPED "RM-2", UP 0.2', PER R.S. NO. 92-1120, R.S.B. 158/34-38.
Image: Control		9	20577	2111063.50	6157050.00		0.99994357	DIA/ CONC. COLLAR, FLUSH, PER R.S. NO. 92-1120, R.S.B. 158/34-38.
9 2029 TUDBELS 0.5002244 0.00002244 0.0002244 <td></td> <td>9</td> <td>20578</td> <td>2104188.91</td> <td>6154778.73</td> <td></td> <td>0.99993028</td> <td></td>		9	20578	2104188.91	6154778.73		0.99993028	
10 2000 2001 2		9	20579	2102991.93	6154493.82		0.99992949	"RANCHO SANTA MARGARITA, LINE ORANGE COUNTY, RE 4231, RE2831", UP 1.5', PER
3 2005 215742.20 617983.30 6358 0.9993393 627 MAC, MAR, MARDING THE, MULLIS MARDING THE, MULLIS MARDING, TALLES M		10	20580	2094773.33	6152564.66		0.99994230	O.C.S. GPS #R580-FOUND 2" IRON PIPE, CAP BROKEN OFF, PER R.S. NO. 92-1120, R.S.B.
3 2005 PENRAL2 61708512 65758 0.0993800 ET TIND, PRY KIN, TAX, AD, PLASTE AUG STAMPD OF', RUSH. 3 2005 200414.00 6191051 65340 0.09973011 ET TIND, PRY KIN, TAX, AD, PLASTE AUG STAMPD OF', RUSH. 4 2001 210941.07 64100 0.09973011 ET TIND, PRY KIN, TAX, AD, PLASTE AUG STAMPD OF', RUSH. 4 2001 210941.07 64000 0.09973011 ET TIND, PRY KIN, TAX, AD, PLASTE AUG STAMPD OF', RUSH. 4 2001 210941.07 6103077.0 631370 0.09973011 ET TIND, PRY KIN, TAX, AD, RUSH, RUS, STAMPD OF', RUSH. 5 2004 210906.7 1013776.0 633700 0.09993301 ET TIND, PRY KIN, PRX OLD, RUSH, RUS, STAMPD OF', RUSH. 5 2004 210966.7 1013776.0 633700 0.09993301 ET TIND, PRY KIN, PRX OLD, RUSH, RUS, RUSH, RU		3	21009	2157448.29	6147081.30	633.69		
4 2010 2191603 61782327 581.00 0.6999339 ET 1*000 PP Bit In TOX MOP PARTS Due STIMED ** Core Tube: 4 2003 2190503 6172233 0.0120 0.012								
4 2002 21000177 640.00 0.6999333 ET. TINDS. PER MIT. NOC. NO. PLATER LAUS STAND. 0.7. NUMEL 5 21000177 61000776 61010 0.6999343 ET. TINDS. PER MIT. NUMEL STAND. 0.7. NUMEL 5 21000 6103776.00 6103776.00 6103776.00 0.7. NUMEL 5 21000 6103776.00 6103776.00 6103776.00 7. NUMEL 5 21000 6103776.00 6103776.00 6103776.00 7. NUMEL 7. NUMEL 5 21000 2104097.60 6150105.01 7. NUMEL 7. NUMEL 7. NUMEL 7. NUMEL 5 21000 2104097.50 615078.53 221.00 60599333 ET. TINDE, PRE MIT. NUMEL TAUK STAND.00 7. NUMEL 6 210405 2104593.53 61507835 221.00 7. NUMEL 7. NUMEL 7. NUMEL 6 210050.21 6159785.31 221.00 61599352 ET. TINDE, PRE MIT. NUMEL PLAND TAUK STAND 7. OF, TUMEL 7 210050.21 61597853 222.00 619593520 ET. TIN								
4 2102 2143873 61587400 433.00 0.5999990 111000, Fig. Min. Noncet P., Marken T., Mar			21021	2149906.08	6149225.37	604.01	0.99993832	SET 1"IRON PIPE WITH TACK AND PLASTIC PLUG STAMPED " CP", FLUSH.
B 2103 21137 51 4103 21300 70 70 70.5 5 21050 213000 615776.0 615776.0 60599433 51 71000 70 70.0								SET 1"IRON PIPE WITH TACK AND PLASTIC PLUG STAMPED " CP", FLUSH.
S 2105 210500-71 615776-08 448.73 C 50990433 ST 117600 PRIC MITE PANCED PASTE FLUG STAMPED 077 FLUGH S 21044 2135425-06 6150017.7 700.99 615990333 St 117600 PRIC MITE PANCED PASTE FLUG STAMPED 077 FLUGH S 21044 2135425.00 615901543 42117800 PRIC MITE PANCED PASTE FLUG STAMPED 077 FLUGH S 21045 213545.01 615905314 42023 659993244 ST 117600 PRIC MITE PANCED PASTE FLUG STAMPED 077 FLUGH S 21056 212555.21 615905314 42023 659993240 ST 117600 PRIC MITE PANCED PASTE FLUG STAMPED 077 FLUGH 7 21055 211355.21 615905134 55433 659993240 ST 117600 PRIC MITE PANCED PASTE FLUG STAMPED 077 FLUGH 7 21055 211555.01 61597573.8 55433 659993240 ST 117600 PRIC MITE PANCED PASTE FLUG STAMPED 077 FLUGH 7 21055 61597670.8 54427 55999340 ST 117600 PRIC MITE PANCED PASTE FLUG STAMPED<				2138371.55	6149342.69			SET 1"IRON PIPE WITH TACK AND PLASTIC PLUG STAMPED " CP", FLUSH.
5 21042 211497-46 61597-46 61597-46 23301 63699432 51 '11000 Pre' Mit Puncked Data Drawping' or 'Lubin 5 21046 213404.11 615974.45 63399442 51 '11000 Pre' Mit Puncked Drawping' or 'Lubin 6 21046 213404.11 6151658.11 652.44 639994423 51 '11000 Pre' Mit Puncked Drawping' or 'Lubin 7 21055 212389.50 6152658.02 743.31 639994423 51 '11000 Pre' Mit Puncked Drawping' or 'Lubin 7 21055 212389.50 615867.68 744.15 0.99993204 51 '11000 Pre' Mit Puncked Drawping' or 'Lubin 7 21055 212382.51 615867.68 633.01 0.99993204 51 '11000 Pre' Mit Puncked Drawping' or 'Lubin 7 21055 211232.54 105867.17.16 643.01 0.99993244 51 '11000 Pre' Mit Puncked Drawping' or 'Lubin 7 21056 211232.64 105171.65 643.01 0.99993244 51 '11000 Pre' Mit Puncked Drawping' or 'Lubin 7 21052 211232.64 105157.62 63599445 51 '11000 Pre' Mit Puncked Drawping' or 'Lubin <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SET 1"IRON PIPE WITH PUNCHED PLASTIC PLUG STAMPED " CP", FLUSH.</td>								SET 1"IRON PIPE WITH PUNCHED PLASTIC PLUG STAMPED " CP", FLUSH.
5 210-3 2130406-28 61305831 0.0599442 Str 1 HRON FINE WITH RANGE D PLASTIC PLUG STANEED * 0°F, FLUGH. 6 21050 2133584.31 61305831 522.46 0.05993300 Str 1 HRON FINE WITH RANGE D PLASTIC PLUG STANEED * 0°F, FLUGH. 7 21050 2133584.31 61596319.7 545.40 0.05993300 Str 1 HRON FINE WITH RANGE D PLASTIC PLUG STANEED * 0°F, FLUGH. 7 21050 2133584.51 61596519.7 544.20 0.05993300 Str 1 HRON FINE WITH RANGE D PLASTIC PLUG STANEED * 0°F, FLUGH. 7 21052 2139230.51 61596752.50 544.20 0.95993300 Str 1 HRON FINE WITH RANGED PLASTIC PLUG STANEED * 0°F, FLUGH. 7 21052 2139230.51 61596752.50 540.07 0.59993200 Str 1 HRON FINE WITH RANGED PLASTIC PLUG STANEED * 0°F, FLUGH. 7 21052 2139230.51 61590752.50 620.01 0.69993200 Str 1 HRON FINE WITH RANGED PLASTIC PLUG STANEED * 0°F, FLUGH. 7 21052 2139230.40 61590752.50 620.01 0.69993200 Str 1 HRON FINE WITH RANGED PLASTIC PLUG STANEED * 0°F, FLUGH. 7 21052 61590752.50 620.01 0.69993200 Str 1 HRON FINE WITH RANGED PLASTIC PLUG		-						SET 1"IRON PIPE WITH PUNCHED PLASTIC PLUG STAMPED " CP", FLUSH.
6 2106 21040418 6135651 65246 0.0699324 Str 1100x Pint With PuxOcid PutStr Cull STANED Off PusStr 6 2105 21298336 61337833 50243 0.0599326 Str 1100x Pint With PuxOcid PutStr Cull STANED Off PusStr 7 2105 21298336 615566335 5043 0.0599326 Str 1100x Pint With PuxOcid PutStr Cull STANED Off PusStr 7 2105 21298301 615566335 5043 0.09993264 Str 1100x Pint With PuxOcid PutStr Cull STANED Off PutStr 7 21058 21299301 615566335 50467 0.05993263 Str 1100x Pint With PuxOcid PutStr Cull STANED Off PutStr 7 21058 21293042 61557633 60301 0.05993353 Str 1100x Pint With PuxOcid PutStr Cull STANED Off PutStr 7 21052 21291042 6157663 70301 0.05993563 Str 1100x Pint With PuxOcid PutStr Cull STANED Off PutStr 8 21073 211405144 61095160 30472 0.069993563 Str 1100x Pint With PuxOcid PutStr <putstr< td=""> Str 1100x Pint With PuxOcid PutSt</putstr<>	- 1							SET 1"IRON PIPE WITH TACK AND PLASTIC PLUG STAMPED CP", FLUSH.
6 21050 2128858.51 615865.55 705.51 705.51 71800 PRC WH F-BUNCKED PLASTIC FLUG STAMPTD CPT - FLUSH. 7 21055 2127850.11 615865.55 705.51 705.52 717800.76 71800.76 7111800.76 7111800.76 711800.76 <td>- [</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SET 1"IRON PIPE WITH PUNCHED PLASTIC PLUG STAMPED " CP", FLUSH.</td>	- [SET 1"IRON PIPE WITH PUNCHED PLASTIC PLUG STAMPED " CP", FLUSH.
7 21050 221383.58 6159892512 Strings S								
7 21050 211932.94 1193	- 1			2121388.58				
7 21059 211920.50 615700.38 584.07 0.99993470 551 TIRON PIPE WIT- RUNCED FLASTC PLUG STANED 'DP', FLUSH. 6 21055 2127151.03 615670510 576.23 0.99993535 S51 TIRON PIPE WIT- RUNCED FLASTC PLUG STANED 'DP', FLUSH. 7 21058 211751.03 615507510 577.23 0.99993535 S51 TIRON PIPE WIT- RUNCED FLASTC PLUG STANED 'DP', FLUSH. 8 21058 211750.03 61550750.0 577.23 0.99993535 S51 TIRON RPE WIT- RUNCED FLASTC PLUG STANED 'D', FLUSH. 8 21058 211556.26 61530762.7 6107160.7 6107160.7 6107160.7 6107160.7 8 21055.64 6159959.80 212.45 0.99993146 S51 TIRON RPE WIT- RUNCED FLASTC PLUG STANED 'D', CP', FLUSH. 10 21105.2105.20 6153255.7 247.0 0.999932145 S51 TIRON RPE WIT- RUNCED FLASTC PLUG STANED 'D', CP', FLUSH. 10 21105.21052.56 6153255.7 247.7 0.99993275 S51 TIRON RPE WIT- RUNCED FLASTC PLUG STANED 'D', CP', FLUSH. 10 21105.21052.56 6153275.7 247.60 0.99993775 S51 TIRON RPE WIT								
2 21062 212510.62 615776.67 603.10 0.99993444 SET TIRON PIPE WITH PUNCHED FLASTE PLUE STAMED* 0"", FLUSH. 7 21067 2117706.03 615776244 715.34 0.999932617 SET TIRON PIPE WITH PUNCHED PLASTE PLUE STAMED* 0"", FLUSH. 8 210067 2115204.05 6159575244 715.34 0.99992355 SET TIRON PIPE WITH PUNCHED PLASTE PLUE STAMED* 0"", FLUSH. 8 21007 2115204.05 61570617.0 20457244 715.34 0.999926165 SET TIRON PIPE WITH PUNCHED PLASTE PLUE STAMED* 0"", FLUSH. 8 21007 2015204.05 61571617.0 2045716.0 SET TIRON PIPE WITH PUNCHED PLASTE PLUE STAMED* 0"", FLUSH. 10 21104 209553.0 61522350.2 206.85 0.99992674 SET TIRON PIPE WITH PUNCHED PLASTE PLUE STAMED* 0"", FLUSH. 10 21108 210925.00 227.65 0.99992674 SET TIRON PIPE WITH PUNCHED PLASTE PLUE STAMED* 0"", FLUSH. 10 21108 210912.0 6159278.0 227656 0.99992677 SET TIRON PIPE WITH PUNCHED PLASTE PLUE STAMED* <								
7 21087 2117266.03 6137752.44 715.34 0.99992875 SET. TRON. PIEC WTH PLUX-CED PLASTIC PLUG STAMED: "C", FLUSH. 8 21067 211526.65 6139708.17 34.397 0.6999255 SET. TRON. PIEC WTH PLUX-CED PLASTIC PLUG STAMED: "C", FLUSH. 8 21071 211526.65 6139708.17 34.397 0.69992456 SET. TRON. PIEC WTH PLUX-CED PLASTIC PLUG STAMED: "C", FLUSH. 8 21072 211655.64 615985.897 212.45 0.59992476 SET. TRON. PIEC WTH PLUX-CED PLASTIC PLUG STAMED: "C", FLUSH. 10 21108 2009776.31 6132785.78 297.05 0.59999867 SET. TRON. PIEC WTH PLUX-CED PLASTIC PLUG STAMED: "C", FLUSH. 110 21108 212086 6139078.69 236.69 0.99999867 SET. TRON. PIEC WTH PLUX-CED PLASTIC PLUG STAMED: "C", FLUSH. 110 21108 211302.428 6139078.69 236.69 0.99999807 SET. TRON. PIEC WTH PLUX-CED PLASTIC PLUG STAMED: "C", FLUSH. 1110 21108 211302.428 6139078.06 226.69 0.99999407 SET. TRON. PIEC WTH PLUX-CED PLASTIC PLUG STAMED: "C", FLUSH. 211118 211476.128	- 1	· · · · · · · · · · · · · · · · · · ·	21062			603.10	0.99993444	SET 1"IRON PIPE WITH PUNCHED PLASTIC PLUG STAMPED " CP", FLUSH.
8 21068 2115364.62 615157.62 620.61 0.99953255 SET TIRON APRE WIT PUNCED PLASTIC FLUG STANETD CPT, FLUSH. 8 21073 2114627.64 6150156.01 304.72 0.9998746 SET TIRON APRE WIT PUNCED PLASTIC FLUG STANETD CPT, FLUSH. 8 21073 2114627.64 6150156.01 304.72 0.9998746 SET TIRON APRE WIT PUNCED PLASTIC FLUG STANETD CPT, FLUSH. 6 21007 2114627.64 6150156.01 204.72 0.99983044 SET TIRON APRE WIT PUNCED PLASTIC FLUG STANETD CPT, FLUSH. 10 21108 203313.35 6152235.02 206.85 0.99983044 SET TIRON APRE WIT PUNCED PLASTIC FLUG STANETD CPT, FLUSH. 6 21118 2113064.26 6159078.00 227.65 0.99983046 SET TIRON APRE WIT PUNCED PLASTIC FLUG STANETD CPT, FLUSH. 6 2113 21162.0156.02 305.75 6159078.00 227.65 0.99989479 SET TIRON APRE WIT PLUNCED PLASTIC FLUG STANETD CPT, FLUSH. 6 2113 21160.0126.04 6159078.00 227.65 0.999989479 SET TIRON AP		6						
6 21073 2114407.14 6160156.01 304.72 0.9998445 STT. 'ITRON PIPE WIT HUNCHED PLASTIC PLUG STAMPED' OP' FLUSH. 10 21010 200554.346 6153966.07 174.72 0.99995044 STT. 'ITRON PIPE WIT HUNCHED PLASTIC PLUG STAMPED' OP', FLUSH. 10 21101 200557.31 6153263.02 206.85 0.99995044 STT. WACN. MIR WIT HUNCHED PLASTIC PLUG STAMPED' OP', FLUSH. 10 21106 2009078.31 6153265.02 206.86 0.999995046 STT. 'ITRON PIPE WIT HUNCHED PLASTIC PLUG STAMPED' OP', FLUSH. 8 21116 2110364.28 6159026.00 227.69 0.999992046 700.00 C.S. WILL MONUMET WITH HEART PLUG STAMPED' OP', FLUSH. 4 2113 2140261.29 615067.19 250.62 0.99992493 STT. 'IRON PIPE WITH FUNCHED PLASTIC PLUG STAMPED' OP', FLUSH. 5 2113 2140281.09 6151967.38 0.99992493 STT. 'IRON PIPE WITH FUNCHED PLASTIC PLUG STAMPED' OP', FLUSH. 4 2113 2140281.09 6151967.38 441.37 0.99992409 STT. '		8	21068					SET 1"IRON PIPE WITH PUNCHED PLASTIC PLUG STAMPED CP", FLUSH.
B 21025 210654.84 6158895.86 212.45 0.9999510 SET THRON PIPE WIT FUNCKED PLASTIC PLUG STANPED * CP* FLUSH. 10 21010 200554.34 6153235.02 200.85 0.99995201 SET THRON PIPE WIT FUNCKED PLASTIC PLUG STANPED * CP* FLUSH. 10 21106 2003513.55 6152235.02 200.85 0.99995201 SET THRON PIPE WIT FUNCKED PLASTIC PLUG STANPED * CP* FLUSH. 10 21106 200371.22 6158675.69 230.69 0.9999547 SET THRON PIPE WIT FUNCKED PLASTIC PLUG STANPED * CP* FLUSH. 6 21116 2113042.211602.590 6159675.69 230.60 0.99993457 SET THRON PIPE WIT FUNCED PLASTIC PLUG STANPED * CP* FLUSH. 5 21134 214112.05 6159031.50 433.44 0.99993453 SET THRON PIPE WIT FUNCED PLASTIC PLUG STANPED * CP* FLUSH. 3 2160 2160565.44 6159031.50 433.44 0.99993453 SET THRON PIPE WIT FLUGK PLASTIC PLUG STANPED * CP* FLUSH. 11 21218 2086557.75 6156001.02 104.75 0.99993453 SET THRON PIPE WIT FLUGK								
10 21101 2025543.46 615396.71 174.72 0.69995200 SET IMCON LINE STANED C PC, FLUSH 10 21108 202077.8.1 615378.76 28.70 0.69995244 STAILED FLW KERSTANED C PC, FLUSH AC 10 21108 202077.8.1 615378.76 23.69 0.69995245 STI IMCONMENT WITH HEX RAR, PER TRACT NO. 1389, M.M. 637/9-11, 8 21116 2120504.28 6159028.00 227.65 0.99995453 STI IMCONMENT WITH HEX RAR, PER TRACT NO. 1389, M.M. 637/9-11, 4 21131 214102.00 6150628.00 32.77 0.99995435 STI IMCONMENT WITH HEVINCHD PLASTIC PLUG STAMED ⁻¹ CP ² , FLUSH 4 21131 214102.05 6150823.00 43.34 0.99994430 STI IMCON PIPE WITH PUNCHD PLASTIC PLUG STAMED ⁻¹ CP ² , FLUSH 4 21132 2144281.05 6151827.38 441.37 0.99994430 STI IMCON PIPE WITH PUNCHD PLASTIC PLUG STAMED ⁻¹ CP ² , FLUSH 11 2124 20464827.15 72.81 0.099994509 STI IMCON PIPE WITH PUNCHD PLASTIC PLUG STAMED ⁻¹ CP ² , FLUSH 11 2124 20464951.6	ł	~						SET 1 IRON PIPE WITH PUNCHED PLASTIC PLUG STAMPED CP, FLUSH.
10 21108 2090775.31 6153758.76 28.70 0.0999504 FOLNO O.C.S. WELL MONMENT WITH HEX BAR. PER TRACH TON. 1359, MM. 837/9-11, DOWN 1.06 8 21116 2112069.04 6156078.00 227.69 0.99995046 FOUND O.C.S. WELL MONMENT WITH HEX BAR. PER TRACH TON. 1359, MM. 837/9-11, DOWN 1.06 4 2113 246763.09 6156278.00 327.69 0.99995047 SET TIRON PIPE WITH PUNCHED PLASTIC PLUG STAWPED * CP*, FLUSH. 5 21134 246763.99 6150628.00 339.76 0.999943807 SET TIRON PIPE WITH PUNCHED PLASTIC PLUG STAWPED * CP*, FLUSH. 4 21132 246712.05 6150827.80 443.344 0.99994503 SET TIRON PIPE WITH TACK AND PLASTIC PLUG STAWPED * CP*, FLUSH. 3 21160 2160566.44 6146087.15 723.81 0.99995940 SET TIRON PIPE WITH TACK AND PLASTIC PLUG STAWPED * CP*, FLUSH. 11 21216 2066557.75 6156001.02 104.76 0.999959460 SET TIRON PIPE WITH TACK AND PLASTIC PLUG STAWPED * CP*, FLUSH. 11 21224 206657.75 615600.02 104.76 0.999959501 SET TIRON PIPE WITH TACK AND PLASTIC PLUG STAWPED * CP*, FLUSH. <	- 1							SET 1"IRON PIPE WITH PUNCHED PLASTIC PLUG STAMPED " CP", FLUSH.
0 21100 211								
8 21116 211304 208 615028.00 227.69 0.99995100 SET Tricox Piper Win Punched PLASTC PLUG STAVED* CP* FLUSH. 4 21131 2146783.99 6151046.17 550.62 0.99993807 SET Tricox Piper Win Punched PLASTC PLUG STAVED* CP* FLUSH. 4 21131 214471100 615047.38 441.37 0.99994509 SET Tricox Piper Win Tack AND PLASTC PLUG STAVED* CP* FLUSH. 3 21160 215064.4 614087.15 723.81 0.99995809 SET Tricox Piper Win Tack AND PLASTC PLUG STAVED* CP* FLUSH. 11 21170 208657.75 6150678.08 24.63 0.99995801 SET Tricox Piper Win Tack AND PLASTC PLUG STAVED* CP*, FLUSH. 11 21212 2086325.95 615078.08 24.63 0.99995801 SET Tricox Piper Win Tack AND PLASTC PLUG STAVED* CP*, FLUSH. 11 21212 208632.77 615785.06 16.44 0.99995811 SET MAG. NAL & WASHER STAVED* CP*, FLUSH. AC 11 21224 208697.51 6160389.7E 94.10 0.99994501 SET MAG. NAL & WAS	- [8	21116	2112069.04	6158679.69	236.89	0.99995046	FOUND O.C.S. WELL MONUMENT WITH HEX BAR, PER TRACT NO. 13899, M.M. 837/9-11,
6 21129 211502 6 55924580 338.76 0.99934793 SET 1 TRON PPE WIN PUNCHED PLASTD PLUG STAMPED * CP* FLUSH. 5 21134 214675396 6150281.80 433.44 0.99993463 SET 1 TRON PPE WIN PUNCHED PLASTD PLUG STAMPED * CP* FLUSH. 3 21150 214342810.56 6151627.38 441.37 0.99993463 SET 1 TRON PPE WIN TACK AND PLASTD PLUG STAMPED * CP* FLUSH. 3 21160 2160166.44 6146087.15 723.81 0.99995463 SET 1 TRON PPE WIN TACK AND PLASTD PLUG STAMPED * CP*, FLUSH. 11 21170 208652356 6155070.02 104.76 0.99995861 SET 1 TRON PPE WIN TACK AND PLASTD PLUG STAMPED * CP*, FLUSH. 11 21212 208425257 6155001.02 104.76 0.99995821 SET 1 TRON PPE WIN PUNCHED * CP*, FLUSH. AC 11 21221 208425257 6155070.02 104.76 0.99995821 SET 1 TRON PPE WIN PUNCHED * CP*, FLUSH. AC 11 21221 2084252 61617037.70 415.88 0.999995821 SET 1 MRON	- 1	8	21118	2113094.28	6159028.00	227.69	0.99995100	
5 21134 2141112.05 615031.90 433.44 0.9999493 SET 1*RON PIPE MIH TACK AND PLASTIC FULG STAMPED CP: FLUSH. 3 21160 2160166.44 6140871.5 723.81 0.99993463 SET 1*RON PIPE MIH TACK AND PLASTIC FULG STAMPED CP: FLUSH. 11 21197 208520-86 615527.08 24.63 0.99993463 SET 1*RON PIPE MIH PUNCHED PLASTIC FULG STAMPED CP', FLUSH. 11 21218 2085577.55 6156001.02 164.4 0.99995898 SET MAG. NALL & WASHER STAMPED CP', FLUSH IN AC 11 21227 2084998.61 6159370.21 35.79 0.99994595 FOUND UNL & WASHER STAMPED CP', FLUSH IN AC 11 21244 2084998.61 6159370.21 35.79 0.99994595 FOUND UNL & WASHER STAMPED CP', FLUSH IN AC 4 22602 2147868.68 6147377.70 415.88 0.99994555 FOUND AUM DEK STAMPED TOCS 4-1-21-7-7 WAR 12 71', FLUSH IN 3 23014 2161268.19 6147033.39 713.29 0.99993536 RFOUND AUM DEK STAMPED TOCS 4-1-21-7-7 WAR 12 71', FLUSH IN 3 </td <td></td> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SET 1"IRON PIPE WITH PUNCHED PLASTIC PLUG STAMPED " CP", FLUSH.</td>		6						SET 1"IRON PIPE WITH PUNCHED PLASTIC PLUG STAMPED " CP", FLUSH.
4 2135 2144281.05 6151827.38 441.37 0.99994608 SET 1*RON PIRE WITH TACK AND PLASTIC PLUG STAMPED ' _ CP'', FLUSH. 11 21180 2160616.44 61460827.15 723.81 0.99993591 SET 1*RON PIRE WITH PLACK AND PLASTIC PLUG STAMPED ' _ CP'', FLUSH. 11 21180 206525.96 6153678.08 24.63 0.99993591 SET MAC, NAIL & WASHER STAMPED ' _ CP'', FLUSH IN AC 11 21218 2064325.57 615765.06 16.44 0.99993591 SET MAC, NAIL & WASHER STAMPED ' _ CP'', FLUSH IN AC 11 21240 2062977.51 6160389.78 64.10 0.999935951 SET MAC, NAIL & WASHER STAMPED '' _ CP'', FLUSH IN AC 4 22602 2147868.68 6147377.70 415.88 0.99994695 FOUND 3 J4' O.CS. ALUM. DISK STAMPED ''LC C''', FLUSH. IN 3 23014 2161268.19 6147037.70 415.88 0.99993105 FOUND OLCS. WELL MONUMENT WITH 2'' RON PIPE TAGGED ''LS. 4965'', N CONC., 3 23014 2160749.92 6149131.24 801.45 0.99993104 DOW NI 1.72''. RUM PIPE TAGGED ''LS. 4965'' IN CONC., 3 23022 2159707.06 6145456.15 754.91 0.999993104 DOW NI 1.72''. RUM		5						
11 21197 208662.5.96 6133678.08 24.6.3 0.99995491 SET 'IRON PIPE WTH PUNCHED PLASTIC PLUG STAMPED '' C'', FLUSH. 11 21218 2086325.77 6155001.02 104.76 0.99995411 SET MAG, NAIL & WASHER STAMPED '' C'', FLUSH. AC 11 21240 2084325.57 6157055.06 16.44 0.99995211 SET MAG, NAIL & WASHER STAMPED '' C'', FLUSH. AC 11 21240 208297.51 6160386.78 94.10 0.59995335 SET 'I'RON PIPE WTH PUNCHED PLASTIC PLUG STAMPED '' C'', FLUSH. 4 22602 2147868.68 6147377.70 415.88 0.99994695 FOUND 3.3/4'' O.C.S. ALUM. DISK STAMPED ''C.C.L.S. 4965'', FLUSH. PER 3 23014 2161265.19 6147093.39 713.29 0.99993304 FOUND ALUM. ROD WTH 11 /2'' ALUM. CAP STAMPED 'L.C. L.S. 4965'' IN CONC., 3 23016 2160749.92 6149131.24 801.45 0.99993104 DOWN LUK. ROD WTH 11 /2'' ALUM. CAP STAMPED 'L.C. L.S. 4965'' IN CONC., 3 23022 2159707.06 6145456.15 754.91 0.99993304 DOWN LUK. ROD WTH 11 /2'' ALUM. CAP STAMPED 'C.C. THE ORAGE CONTY SURVEYOR. 3 23024 2158575.83 6149262.52		4	21135	2144281.05	6151827.38	441.37	0.99994509	SET 1"IRON PIPE WITH TACK AND PLASTIC PLUG STAMPED " CP", FLUSH.
11 21218 2086557.75 615601.02 104.76 0.99935498 SET MAC. NAIL & WASHER STAMPED CP*, FLUSH IN AC 11 21227 2084325.57 6157855.06 16.44 0.99995611 SET MAC. NAIL & WASHER STAMPED CP*, FLUSH IN AC 11 21224 208499.61 6159370.21 35.79 0.99995621 SET MAC. NAIL & WASHER STAMPED CP*, FLUSH IN AC 11 21244 2082977.51 6160388.78 94.10 0.99995621 SET MAC. NAIL & WASHER STAMPED CP*, FLUSH IN AC 4 22602 2147866.86 6147377.70 415.88 0.99994563 FOUND 3.34*0.025. ALUM. DISK STAMPED TOT. FLUSH IN AC 3 23016 2160749.92 6149131.24 801.45 0.99993104 DOWN 1.5', FER R.S. NO. 98-1015, R.S.B. 154/22-36. TOK. 3 23024 2159707.06 6145456.15 754.91 0.99993304 DOWN 1.5', FER R.S. NO. 98-1003, R.S.B. 154/23-26. SO S7 7-10'', FLUSH IN CONC., PER RECORDS ON FLUE IN THE OFRICE OF THE ORANGE COUNTY SURVEYOR. 11 23112 2086418.63 6152633.46 33.81 0.99993304 DOWN		11						SET 1"IRON PIPE WITH TACK AND PLASTIC PLUG STAMPED " CP", FLUSH.
11 21227 2084325.57 615785.06 16.44 0.9999581 SET MAG, NAIL & WASHER STAMPED * CP*, FLUSH IN AC 11 21234 208498.61 6159370.21 35.79 0.9999583 SET I*RON PIE WITH PUNCHED PLASTIC PLUS ITAL 4 22602 2147868.68 6147377.70 415.88 0.99994695 CONC, PER RECORDS ON FLE IN THE OFFICE OT HE ORANGE COUNTY SURFYOR. 3 23014 2161268.19 6147093.39 713.29 0.9999303 RS. NO. 99-1015. RS. B. 175/27-35. 3 23016 2160749.92 6149131.24 801.45 0.99993104 FOUND O.S. %ELL MONUMENT WITH 2" IRON PIPE TAGGED *LS. 4965" IN CONC., DOWN 1.5, PER R.S. NO. 96-1003. R.S. B. 154/23-26. 3 23022 2159707.06 6145456.15 754.91 0.9999304 FOUND O.C.S. WELL MONUMENT WITH 2" IRON PIPE TAGGED *LS. 4965" IN CONC., DOWN 1.5, PER R.S. NO. 86-1003. R.S. B. 154/23-26. 3 23022 2159707.06 6145456.15 754.91 0.9999304 FOUND O.S. WELL MONUMENT WITH 2" IRON PIPE TAGGED *LS. 4965" IN CONC., PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR. 11 23122 2086418.63 6152633.48 33.81 0.99992364 FOUND 1" IRON PIPE WITH TAG STAMPED 'OIN HIWAY", PER CAUF. DEPT OF TRANS. MONUMENTATI								
11 21240 2082977.51 6160389.78 94.10 0.99995535 SET 1"IRON PIPE WTH PUNCHED PLASTIC PLUG STAMPED "CP", PLUSH. 4 22602 2147868.68 6147377.70 415.88 0.99994695 COUND 3 3/4" O.C.S. ALUM. DISK STAMPED "CCS 4-1-21-7-7 MAR 12 71", FLUSH IN COS, PER RECORDS ON FLE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR. 3 23014 2161268.19 6147093.39 713.29 0.99993536 RS. NO. 99-1015, R.S.B. 175/27-35. 3 23016 2160749.92 6149131.24 601.45 0.9999304 FOUND O.C.S. WELL MONUMENT WTH 2" IRON PIPE TAGGED "L.S. 4965" IN CONC., DOWN 1.5", PER R.S. NO. 96-1003, R.S.B. 154/23-26. 3 23022 2159707.06 6145456.15 754.91 0.9999304 DOWN 1.5", PER R.S. NO. 86-1003, R.S.B. 154/23-26. 3 23024 2158575.83 6149262.52 946.62 0.99993246 FOUND 0.C.S. WELL MONUMENT WTH 2" IRON PIPE TAGGED "L.S. 4965" IN CONC., PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR. 11 23112 2088418.63 6152633.48 33.81 0.99993646 FOUND 1" IRON PIPE WITH TAG STAMPED "OLY 1-SO-5, SHT. 35 OF 37 (DATED 9/1976), FLUSH. 11 23142 2090789.57 6151704.22<						16.44	0.99995911	SET MAG. NAIL & WASHER STAMPED " CP", FLUSH IN AC
4 22602 2147866.66 6147377.70 415.86 0.99994695 FOUND 3.3/4" O.C.S. ALUM. DISK STAMPED "O.S 4-1-21-7-7" MAR 12 71". FLUSH IN CONC., PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR. 3 23014 2161266.19 6147093.39 713.29 0.99993536 FOUND ALUM. ROO WITH 11/2" ALUM. CAP STAMPED "F.T.C. LS. 4965 ", FLUSH, PER R.S. NO. 99-1015, R.S.B. 175/27-35. 3 23016 2160749.92 6149131.24 601.45 0.99993104 DOWN 1.5", PER R.S. NO. 96-1003, R.S.B. 154/23-26. 3 23022 2159707.06 6145456.15 754.91 0.99993304 DOWN 1.5", PER R.S. NO. 96-1003, R.S.B. 154/23-26. 3 23024 215857.83 6149262.52 946.62 0.99993264 OC.S. WELL MONUMENT WIH 2" IRON PIPE TAGGED "LS. 4965" IN CONC., PER RECORDS ON PILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR. 11 23112 2086418.63 6152633.48 33.81 0.99993846 FOUND 1" RON PIPE WITH TAG STAMPED "OU STACULY DUS STAMPED "PER CALIF. DEPT. OF TRANS. MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 35 OF 37 (DATED 9/1976), FLUSH. 11 23142 2087034.86 6154212.42 35.54 0.99995845 FOUND 1" RON PIPE WITH TAG STAMPED "OU HIWAY", PER CALIF. DEPT. OF TRANS. MONUMENTATION MAP FOR ROUTE 11								
3 23014 2161268.19 6147093.39 713.29 0.99993536 FOUND ALUM. ROD WTH 1 1/2" ALUM. CAP STAMPED "F.T.C. L.S. 4965 ", FLUSH, PER 3 23016 2160749.92 6149131.24 601.45 0.9999304 FOUND O.C.S. WELL MONUMENT WTH 2" IRON PIPE TAGGED "L.S. 4965" IN CONC., DOWN 1.5, PER R.S. NO. 96-1003, R.S.B. 154/23-26. 3 23022 2159707.06 6145456.15 754.91 0.9999304 FOUND O.C.S. WELL MONUMENT WTH 2" IRON PIPE TAGGED "L.S. 4965" IN CONC., DOWN 1.5, PER R.S. NO. 96-1003, R.S.B. 154/23-26. 3 23024 2158575.83 6149262.52 946.62 0.99992364 FOUND O.C.S. WELL MONUMENT WTH 2" IRON PIPE TAGGED "L.S. 4965" IN CONC., PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR. 11 23112 2088418.63 6152633.48 33.81 0.99995846 FOUND I" IRON PIPE WIT TAG STAMPED "OC 7-7-10", FLUSH IN CONC., PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR. 11 23142 2090789.57 6151704.22 108.85 0.99995499 FOUND I" IRON PIPE WIT HAG STAMPED "OL HIWAY", PER CALIF. DEPT. OF TRANS. MONUMENTATION MAP FOR ROUTE 11-50-5, SHT. 35 OF 37 (DATED 9/1976), FLUSH. 11 23142 2087034.86 6154212.42 35.54 0.99995545 FOUND 1" IRON PIPE W								FOUND 3 3/4" O.C.S. ALUM. DISK STAMPED "OCS 4-1-21-7-7 MAR 12 71", FLUSH IN CONC. PER RECORDS ON FILE IN THE OFFICE OF THE OPANCE CONTINUE SUBJECTOR
3 23016 2160749.92 6149131.24 B01.45 0.99993014 DOWN 1.5, PER R.S. NO. 96-1003, R.S.B. 154/23-26. 3 23022 2159707.06 6145456.15 754.91 0.99993304 DOWN 1.5, PER R.S. NO. 96-1003, R.S.B. 154/23-26. 3 23024 2158575.83 6149262.52 946.62 0.99993304 DOWN 1.5, PER RCO/RDS ON FLE IN THE OFRIC OF THE ORANGE COUNT SURVEYOR. 11 23112 2088418.63 6152633.48 33.81 0.99995846 FOUND 1" IRON PIPE WITH TAC STAMPED "DIV HIWAY", PER CAUF. DEPT. OF TRANS. 11 23124 2090789.57 6151704.22 108.85 0.99995849 FOUND 1" IRON PIPE WITH TAC STAMPED "DIV HIWAY", PER CAUF. DEPT. OF TRANS. 11 23142 2067034.86 6154212.42 35.54 0.99995849 FOUND 1" IRON PIPE WITH TAC STAMPED "DIV HIWAY", PER CAUF. DEPT. OF TRANS. 11 23142 2067034.86 6154212.42 35.54 0.9999534 FOUND 1" IRON PIPE WITH TAC STAMPED "DIV HIWAY", PER CAUF. DEPT. OF TRANS. 11 23146 208596.09 6156418.64 96.71 0.9999534 FOUND 1" IRON PIPE WITH TAC STAMPED "DIV HIWAY", PER CAUF. DEPT. OF TRANS.		3	23014	2161268.19	6147093.39	713.29		FOUND ALUM. ROD WITH 1 1/2" ALUM. CAP STAMPED "F.T.C. L.S. 4965 ", FLUSH, PER
3 23022 2159707.06 6145456.15 754.91 0.99993304 FOUND 0.CS. WELL MONUMENT WITH 2" IRON PIPE TAGGED "LS. 4965" IN CONC., DOWN 1.5", PER RS. NO. 96-1003, R.S.B. 154/23-26. 3 23024 2158575.83 6149262.52 946.62 0.99992364 C.S. GPS #0072-FOUND 3 J/4" ALUM. DISK STAMPED "OCS 7-7-10", FLUSH IN CONC., PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR. 11 23112 2088418.63 6132633.48 33.81 0.99992844 FOUND 1" (RON PIPE WIT HAG STAMPED "OLY HWAY", PER CAUF. DEPT OF TRANS. MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 35 OF 37 (DATED 9/1976), FLUSH. 11 23142 2090789.57 6151704.22 108.85 0.99995499 FOUND 1" (RON PIPE WIT HAG STAMPED "OLY HWAY", PER CAUF. DEPT OF TRANS. MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 37 OF 37 (DATED 9/1976), FLUSH. 11 23142 208703.486 6154212.42 35.54 0.99995831 FOUND 1" (RON PIPE WIT HAG STAMPED "DIV HWAY", PER CAUF. DEPT. OF TRANS. MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 37 OF 37 (DATED 9/1976), FLUSH. 11 23142 208703.486 6154212.42 35.54 0.99995831 FOUND 1" (RON PIPE WIT HAG STAMPED "DIV HWAY", PER CAUF. DEPT. OF TRANS. MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 36 OF 37 (DATED 9/1976), FLUSH. 11 23145 2085966.99 <td>1</td> <td>3</td> <td>23016</td> <td>2160749.92</td> <td>6149131.24</td> <td>801.45</td> <td>0.99993104</td> <td>FOUND O.C.S. WELL MONUMENT WITH 2" IRON PIPE TAGGED "L.S. 4965" IN CONC., DOWN 1.5" PER R.S. NO. 96-1003, R.S.B. 154/23-26</td>	1	3	23016	2160749.92	6149131.24	801.45	0.99993104	FOUND O.C.S. WELL MONUMENT WITH 2" IRON PIPE TAGGED "L.S. 4965" IN CONC., DOWN 1.5" PER R.S. NO. 96-1003, R.S.B. 154/23-26
D Distribution Found 1 Distribution Distrestrest and theading and thead thead thead thead thead		3	23022	2159707.06	6145456 15	754 91	0 9999 3304	FOUND O.C.S. WELL MONUMENT WITH 2" IRON PIPE TAGGED "L.S. 4965" IN CONC.
11 23112 2088418.63 6152633.48 33.81 0.99995846 FOUND 1" IRON PIPE WITH TAC STAMPED "DIV HIWAY", PER CAUF. DEPT. OF TRANS. MONUMENTATION MAP FOR ROUTE 11-50-5, SHT. 35 OF 37 (DATED 9/1976), FLUSH. 11 23124 2090789.57 6151704.22 108.85 0.99995499 FOUND 1" IRON PIPE WITH ML & PLASTE CHUG STAMPED "CAUF DOT PER CAUF. DEPT OF TRANS. MONUMENTATION MAP FOR ROUTE 11-50-5, SHT. 37 OF 37, (DATED 9/1976), FLUSH. 11 23142 2067034.86 6154212.42 35.54 0.99995831 FOUND 1" IRON PIPE WITH TAC STAMPED "DIV HIWAY", PER CAUF. DEPT. OF TRANS. MONUMENTATION MAP FOR ROUTE 11-50-5, SHT. 37 OF 37 (DATED 9/1976), FLUSH. 11 23146 2087034.86 6154212.42 35.54 0.99995534 FOUND 1" IRON PIPE WITH TAC STAMPED "DIV HIWAY", PER CAUF. DEPT. OF TRANS. MONUMENTATION MAP FOR ROUTE 11-50-5, SHT. 35 OF 37 (DATED 9/1976), FLUSH. 11 23146 208596.99 6156418.64 96.71 0.99995534 FOUND 1" IRON PIPE WITH TAC STAMPED "DIV HIWAY", PER CAUF. DEPT. OF TRANS. MONUMENTATION MAP FOR ROUTE 11-50-5, SHT. 35 OF 37 (DATED 9/1976), FLUSH. 10 23885 2100955.10 6155384.28 419.36 0.99994076 SET 1"IRON PIPE WITH PUNCHED PLASTIC PLUG STAMPED "C PT. FLUSH. 10 23869 200058.10 6155384.38		_						
III 2312 2000/10/0 01203/10 33.81 0.99995499 MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 35 OF 37 (DATED 9/1976), FLUSH. 11 23124 2090789.57 6151704.22 108.85 0.99995499 FOUND 1" RON PIPE WITH NAIL & PLASTIC PLUG STAMPED "CALIF DOT" PER CALIF. DEPT OF TRANS. MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 37 OF 37, (DATED 9/1976), FLUSH. 11 23142 2087034.86 6154212.42 35.54 0.99995831 FOUND 1" RON PIPE WITH TAG STAMPED "DV HIWAY", PER CALIF. DEPT. OF TRANS. MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 35 OF 37 (DATED 9/1976), FLUSH. 11 23146 2085966.99 6156418.64 96.71 0.99995534 FOUND 1" RON PIPE WITH TAG STAMPED "DV HIWAY", PER CALIF. DEPT. OF TRANS. MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 35 OF 37 (DATED 9/1976), FLUSH. 10 23865 2100955.10 6155384.28 419.36 0.99994076 SET 1'IRON PIPE WITH ANCHED PLASTIC PLUG STAMPED "C OF", FLUSH. 10 23869 2100053.04 6155384.33 353.89 0.99994383 SET 1'IRON PIPE WITH PLUNCHED PLASTIC PLUG STAMPED "C OF", FLUSH. 11 23998 2085641.30 6154313.36 69.51 0.99995655 0.05. OF 3 9 000 - FOUND 1" RON PIPE WITH AND L& CAP STAMPED "STAMPED "WEN.								FOUND 1" IRON PIPE WITH TAG STAMPED "DIV HIWAY", PER CALIF, DEPT, OF TRANS.
III 23142 205/05.07 0101/07.22 106.83 0.99995499 TRANS. MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 37 of 37, (DATED 9/1076), FLUSH. 11 23142 2067034.86 6154212.42 35.54 0.99995831 FOUND 1" RON PIPE WITH TAG STAMPED "DV HIWAY", PER CAUF. DEPT. OF TRANS. MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 35 of 37 (DATED 9/1076), FLUSH. 11 23146 2085966.99 6156418.64 96.71 0.99995534 FOUND 1" RON PIPE WITH TAG STAMPED "DV HIWAY", PER CAUF. DEPT. OF TRANS. MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 35 of 37 (DATED 9/176), FLUSH. 10 23885 2100953.0 6155384.28 419.36 0.99994076 SET 1"IRON PIPE WITH PUNCHED PLASTIC PLUG STAMPED "C P", FLUSH. 10 23885 2100053.04 6155384.28 419.36 0.99994076 SET 1"IRON PIPE WITH PUNCHED PLASTIC PLUG STAMPED "C P", FLUSH. 10 23889 2000053.04 6155384.38 353.89 0.99994076 SET 1"IRON PIPE WITH PUNCHED PLASTIC PLUG STAMPED "C P", FLUSH. 11 23998 2085641.30 6154313.36 69.51 0.99995655 0.0.5 (PS # 9000 - FOUND 4" IRON PIPE WITH AM USA", NO REFERENCE, FLUSH. 11 24405 2087602.46 6150479								MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 35 OF 37 (DATED 9/1976), FLUSH. FOUND 1" IRON PIPE WITH NAIL & PLASTIC PLUG STAMPED "CALIF DOT" PER CALIF. DEPT OF
III 23142 200703-00 013471.12 33.34 0.99995531 MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 35 OF 37 (DATED 9/1976), FLUSH. 11 23146 2085966.99 6156418.64 96.71 0.99995534 FOUND 1" IRON PIPE WITH TAG STAMPED "DIV HIWAY", PER CALIF. DEPT. OF TRANS. MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 35 OF 37 (DATED 9/1976), FLUSH. 10 23885 2100956.10 615524.28 419.36 0.99994765 SET 1"RON PIPE WITH PUNCHED PLASTIC PLUG STAMPED" CP", FLUSH. 10 23880 2100956.10 6155265.38 353.89 0.99994765 SET 1"RON PIPE WITH PUNCHED PLASTIC PLUG STAMPED" CP", FLUSH. 10 23880 2098371.22 6155080.81 303.35 0.88884613 FOUND 1" RON PIPE WITH AUL & CAP STAMPED "ST HAM USA", NO REFERENCE, FLUSH. 11 23998 2085641.30 6154313.36 69.51 0.99995665 1884". UP 0.9' FR RECORDS ON FILE AT ORANCE COUNTY SURVEYOR'S OFFICE. 11 24405 2087602.46 6150879.20 0.99995662 0.C.S. GPS # 4405 - FOUND 2 3/4" BRASS DISK STAMPED "USA CAMP JOSEPH H PENDELTON BOUNDARY LINE WITHES 1943", FLUSH PER R.S. NO. 92-1035, R.S.B. 151/1-11.								TRANS. MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 37 OF 37, (DATED 9/1976), FLUSH. FOUND 1" IRON PIPE WITH TAG STAMPED "DIV HIWAY". PER CALIF. DEPT. OF TRANS.
10 23885 2100956.10 615538.28 419.36 0.99994076 SET 11RON PIPE WITH PUNCHED PLASTC PLUG STAMPED 'C CP', FLUSH. 10 23885 2100053.01 615538.28 419.36 0.99994076 SET 11RON PIPE WITH PUNCHED PLASTC PLUG STAMPED 'C CP', FLUSH. 10 23885 2100053.04 6155206.38 353.89 0.99994383 SET 11RON PIPE WITH PUNCHED PLASTC PLUG STAMPED 'C CP', FLUSH. 10 23890 2096371.22 6155080.81 303.35 0.88884613 FOUND 4'' IRON PIPE WITH 31/4'' BRASS DISK STAMPED 'N REFERENCE, FLUSH. 11 23998 2085641.30 6154313.36 69.51 0.99995665 0.53. GPS 4 9000 - FOUND 4'' IRON PIPE WITH 31/4'' BRASS DISK STAMPED 'NEDIO 11 24405 2087602.46 6150879.20 0.99995662 0.25. GPS 4 4405 - FOUND 2 3/4'' BRASS DISK STAMPED 'USC AMP JOSEPH H PENDELTON BOUNDARY LINE WITNESS 1943'', FLUSH PER R.S. NO. 92-1035, R.S.B. 15/1-11.								MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 35 OF 37 (DATED 9/1976), FLUSH. FOUND 1" IRON PIPE WITH TAG STAMPED "DIV HIWAY". PER CALIF. DEPT. OF TRANS.
10 23889 2100053.04 6155205.38 353.89 0.9999483 SET 1'IRON PIPE WITH PUNCHED PLASTIC PLUG STAMPED ** CP* FLUSH. 10 23890 2096371.22 6155060.81 303.35 0.88884613 FOUND 1* IRON PIPE WITH NAIL & CAP STAMPED ** THAM USA*. NO REFERENCE, FLUSH. 11 23998 2085641.30 6154313.36 69.51 0.99995665 10.CS. GPS 4 9000 - FOUND 4* IRON PIPE WITH 3 1/4* BRASS DISK STAMPED ** UPO 0* 11 23998 2085641.30 6154313.36 69.51 0.99995665 1884*. UP 0.8* PER RECORDS ON FILE AT ORANCE COUNTY SURVEYOR'S OFFICE. 11 24405 2087602.46 6150879.20 0.99995662 0.05. GPS 4405 - FOUND 2 3/4* BRASS DISK STAMPED ** USA*. NO. 92-1035, RS.B. 15/1-11.								MONUMENTATION MAP FOR ROUTE 11-SD-5, SHT. 36 OF 37 (DATED 9/1976), FLUSH.
10 23890 208057.22 6153060.61 303.35 0.88884613 FOUND 1* IRON PIPE with NAL & CAP STAMPED "ST HAM USA", NO REFERENCE, FLUSH. 11 23998 2085641.30 6154313.36 69.51 0.99995665 0.53 GPS 4000 - FOUND 4* IRON PIPE with 3 1/4* BRASS DISK STAMPED "WEDIO 11 24405 2087602.46 6150879.20 0.99995662 0.C.S. GPS # 4405 - FOUND 2 3/4* BRASS DISK STAMPED "USN CAMP JOSEPH H 11 24405 2087602.46 6150879.20 0.99995662 0.C.S. GPS # 4405 - FOUND 2 3/4* BRASS DISK STAMPED "USN CAMP JOSEPH H								SET 1 INVIN MIME WITH PUNCHED PLASTIC PLUG STAMPED " CP", FLUSH.
11 23998 2085641.30 6154313.36 69.51 0.9995665 18.4", UP 0.9" PER RECORDS ON FILE AT ORAGE COUNTY SURVEYOR'S OFFICE. 11 24405 2087602.46 6150879.20 0.9995662 0.C.S. GPS # 9000 - FOUND 2 3/4" BRASS DISK STAMPED "USN CAMP JOSEPH H PENDELTON BOUNDARY LINE WITHESS 1943", FLUSH PER R.S. NO. 92-1035, R.S.B. 151/1-11.								FOUND 1" IRON PIPE WITH NAIL & CAP STAMPED "ST HAM USA", NO REFERENCE, FLUSH.
11 24405 2087602.46 6150879.20 0.99995662 0.C.S. GPS / 4405 - FOUND 2 3/4" BRASS DISK STAMPED "USN CAMP JOSEPH H PENDELTON BOUNDARY LINE WITNESS 1943", FLUSH PER R.S. NO. 92-1035, R.S.B. 151/1-11.		11	23998	2085641.30	6154313.36	69.51	0.99995665	O.C.S. GPS # 9000 - FOUND 4" IRON PIPE WITH 3 1/4" BRASS DISK STAMPED "MEDIO 1884", UP 0.9' PER RECORDS ON FILE AT ORANGE COUNTY SURVEYOR'S OFFICE.
		11	24405	2087602.46	6150879.20		0.99995662	O.C.S. GPS # 4405 - FOUND 2 3/4" BRASS DISK STAMPED "USN CAMP JOSEPH H PENDELTON BOUNDARY LINE WITNESS 1943", FLUSH PER R.S. NO. 92-1035, R.S.B. 151/1-11
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Boundary Record of Survey





