Shivani Sidhar
Regulatory Case Manager
San Diego Gas and Electric Company
8330 Century Park Court
San Diego, CA 92123-1530

May 26, 2016

Sent Via Sempra EDT and FedEx

A.15-09-010

Ms. Nika Rogers
Office of Ratepayer Advocates
505 Van Ness Avenue, Room 4108
San Francisco, CA 94102

Re: SDG&E Response to ORA Data Request 04 - Wildfire Expense Memorandum Account Application

Dear Ms. Rogers:

Attached please find SDG&E's response to ORA Data Request 04 (ORA-SDG&E-A.15-09-010-04), dated May 13, 2016. SDG&E's response includes general objections, narrative responses where applicable, and associated attachments.

If you have any questions or require additional information, please feel free to contact me by phone at (858) 637-7914 or e-mail: **SSidhar@semprautilities.com**.

Sincerely,

Signed

Shivani Sidhar
Regulatory Case Manager

Enclosures

cc: Chris Lyons – SDG&E
Stacie Atkinson – SDG&E
Nils Stannik - ORA
Edward Moldavsky - ORA

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I. GENERAL OBJECTIONS

1. SDG&E objects generally to each request to the extent that it seeks information protected by the attorney-client privilege, the attorney work product doctrine, statutory mediation confidentiality (see Cal. Evid. Code §§ 1115-28) or any other applicable privilege or evidentiary doctrine. No information protected by such privileges will be knowingly disclosed.

2. SDG&E objects generally to each request that is overly broad and unduly burdensome. As part of this objection, SDG&E objects to discovery requests that seek "all documents" or "each and every document" and similarly worded requests on the grounds that such requests are unreasonably cumulative and duplicative, fail to identify with specificity the information or material sought, and create an unreasonable burden compared to the likelihood of such requests leading to the discovery of admissible evidence. Notwithstanding this objection, SDG&E will produce all relevant, non-privileged information not otherwise objected to that it is able to locate after reasonable inquiry.

3. SDG&E objects generally to each request to the extent that the request is vague, unintelligible, or fails to identify with sufficient particularity the information or documents requested and, thus, is not susceptible to response at this time.

4. SDG&E objects generally to each request that: (1) asks for a legal conclusion to be drawn or legal research to be conducted on the grounds that such requests are not designed to elicit facts and, thus, violate the principles underlying discovery; (2) requires SDG&E to do legal research or perform additional analyses to respond to the request; or (3) seeks access to counsel's legal research, analyses or theories.

5. SDG&E objects generally to each request to the extent it seeks information or documents that are not reasonably calculated to lead to the discovery of admissible evidence.

6. SDG&E objects generally to each request to the extent that it is unreasonably duplicative or cumulative of other requests.

7. SDG&E objects generally to each request to the extent that it would require SDG&E to search its files for matters of public record such as filings, testimony, transcripts, decisions, orders, reports or other information, whether available in the public domain or through FERC or CPUC sources.

8. SDG&E objects generally to each request to the extent that it seeks information or documents that are not in the possession, custody or control of SDG&E.

9. SDG&E objects generally to each request to the extent that the request would impose an undue burden on SDG&E by requiring it to perform studies, analyses or calculations or to create documents that do not currently exist.

10. SDG&E objects generally to each request that calls for information that contains trade secrets, is privileged or otherwise entitled to confidential protection by reference to statutory protection. SDG&E objects to providing such information absent an appropriate protective order. With respect to the Office of Ratepayer Advocates, however, SDG&E will produce such information subject to the requirements of Public Utilities Code Section 583 and General Order 66-C.

II. EXPRESS RESERVATIONS

1. No response, objection, limitation or lack thereof, set forth in these responses and objections shall be deemed an admission or representation by SDG&E as to the existence or nonexistence of the requested information or that any such information is relevant or admissible.

2. SDG&E reserves the right to modify or supplement its responses and objections to each request, and the provision of any information pursuant to any request is not a waiver of that right.

3. SDG&E reserves the right to rely, at any time, upon subsequently discovered information.

4. These responses are made solely for the purpose of this proceeding (A.15-09-010) and for no other purpose.

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Request 1:

Please provide the following documents identified in Appendix 4 of the testimony of Mr. Gentes:

- Settlement agreement between SDG&E and Cox Communications
- Settlement agreement between SDG&E and Herman Weissker, Inc.
- Settlement agreement between SDG&E and Davey Tree
- Settlement agreement between SDG&E and PAR Electric

Objection:

SDG&E objects to producing these documents at this time on the grounds that they are not relevant to the issues to be considered in Phase 1 of this proceeding. The Commission phased this proceeding, finding that such an approach "will be fair and make the most efficient use of party and Commission resources … and make it easier to distinguish Phase 1 issues related to prudent management of facilities from Phase 2 issues related to settling of legal claims." Scoping Memo at p. 4. The Commission further found that "For Phase 2, the scope of the matter properly before the Commission is whether SDG&E's actions and decisionmaking in connection with settling of legal claims and costs in relation to the wildfires were reasonable." *Id*. at p. 5.

Since these settlement agreements relate to the settling of legal claims and costs in relation to the wildfires, SDG&E will respond to this request in Phase 2.

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Request 2:

In its report on the Guejito Fire, the CPUC's Consumer Protection and Safety Division (CPSD) stated:

> *"The exact vertical midspan clearance between SDG&E's 12kV conductors and Cox's cable prior to the incident is unknown. Neither SDG&E nor Cox measured the vertical clearance before making repairs and modifications to their facilities following the incident"*[1]

a. Under what circumstances would SDG&E measure vertical clearance before making repairs or modifications to its facilities?

b. Under what circumstances would SDG&E not measure vertical clearance before making repairs or modifications to its facilities?

c. Is measuring vertical clearance between conductors and/or other cables prior to routine or regular facilities work currently a required or recommended part of any SDG&E protocol, work procedure, best practice, or training? If so, please provide the relevant supporting documents.

d. Was measuring vertical clearance between conductors and/or other cables prior to routine or regular facilities work a required or recommended part of any SDG&E protocol, work procedure, best practice, or training in the year preceding October 2007? If so, please provide the relevant supporting documents.

e. Is measuring vertical clearance between conductors and/or other cables as part of an investigation into wildfires, circuit tripping, equipment malfunction, weather damage, or similar events currently a part of any SDG&E protocol, work procedure, best practice, or training? If so, please provide the relevant supporting documents.

f. Was measuring vertical clearance between conductors and/or other cables as part of an investigation into wildfires, circuit tripping, equipment malfunction, weather damage, or similar events currently a part of any SDG&E protocol, work procedure, best practice, or training in the year preceding 2007? If so, please provide the relevant supporting documents.

[1] California Public Utilities Commission, Consumer Protection and Safety Division, Utilities Safety and Reliability Branch. Investigation of the Guejito Fire; San Pasqual, California; October 2007. Dated September 2, 2008. Pp. 4-5.

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Objection:

SDG&E objects to this request on the grounds set forth in General Objections 3 and 7. Subject to the foregoing objections, SDG&E responds as follows.

Response:

Please see SDG&E's Corrected Response, dated February 25, 2009, to CPUC Data Request of November 6, 2008. This response was included as Exhibit No. 4-G in the documents listed in Appendix A to the OII Settlement and was made available by SDG&E to the parties in this proceeding on March 21, 2016.

As noted in SDG&E's corrected response to Question 1:

> SDG&E agrees that "[t]he exact vertical mid-span clearance between SDG&E's 12 kV conductors and Cox's cable prior to the incident is unknown." SDG&E did, however, cause survey measurements to be undertaken on November 2, 2007, prior to removal and repair of the SDG&E and Cox lines that, among other things, included a vertical clearance measurement of 3.3 feet between Cox's cable and SDG&E's conductor at approximately mid-span.

Thus, the premise of the cited portion of the CPSD report is not correct.

Prior to 2007, SDG&E measured clearances if a Line Checker/Inspector perceived that a clearance issue might exist. The Line Checker/Inspectors were trained to use a vertical clearance stick to measure the clearance.

Since 2007, SDG&E has used LiDAR for spans over 1,000 feet and modeled them in 3-D, and in some cases, where necessary, repairs were made as a result of this work. In connection with SDG&E's FiRM project, SDG&E is performing LiDAR and creating 3-D models, and clearances are being analyzed. On the transmission side, SDG&E performs LiDAR surveys on a portion of the 69 kV lines in the HRFA every year.

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Request 3:

In its report on the Guejito Fire, the CPUC's Consumer Protection and Safety Division (CPSD) stated:

> *"The Vegetation Management Program Manager further stated that he visited the site [of the Rice Fire] on October 23, 2007 and found that the sycamore tree was reduced to two-thirds of its height."*[2]
>
> and:
>
> *"The Utility Forester indicated that, upon his arrival at the scene, he requested that the tree trimming crew trim the tree to a level below the assumed height of the wire."*[3]

a. What specific safety, reliability, or other concerns was SDG&E attempting to address in the post-ignition trimming of the tree described above?

b. For each objective or goal listed in response to part (a) above, please describe why less-substantial trimming or management would not have sufficed.

Objection:

SDG&E objects to this request on the grounds set forth in General Objection 7. Subject to the foregoing objection, SDG&E responds as follows.

Response:

As discussed in the Direct Testimony of Chris Thompson submitted by SDG&E in I.08-11-006, Mr. Thompson, an Area Forester, was instructed to go to the Rice Fire Site by Don Akau, SDG&E's Vegetation Program Manager and supervise the Davey Tree Surgery crew that worked on tree FF1090. Mr. Thompson explained the objectives of the tree trimming, and why less substantial trimming or management would not have sufficed in light of those objectives, at pages 3-6 of his testimony. Mr. Akau also provided his perspective on these issues on pages 13-16 of his Direct Testimony in I.08-11-006.

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[2] California Public Utilities Commission, Consumer Protection and Safety Division, Utilities Safety and Reliability Branch. Investigation of the Rice Fire; Fallbrook, California; October 2007. Dated September 2, 2008. P.5.
[3] California Public Utilities Commission, Consumer Protection and Safety Division, Utilities Safety and Reliability Branch. Investigation of the Rice Fire; Fallbrook, California; October 2007. Dated September 2, 2008. P.5.

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Request 4:

a. Currently, when performing routine or scheduled tree trimming, what metrics do SDG&E (and its vegetation management contractors) use to determine the appropriate amount of trimming?

b. In the year proceeding October 2007, when performing routine or scheduled tree trimming, what metrics did SDG&E (and its vegetation management contractors) use to determine the appropriate amount of trimming?

c. Currently, if, as part of routine or scheduled vegetation management, a tree is determined to require trimming, who is responsible for determining the appropriate level of tree trimming?

d. In the year proceeding October 2007, if, as part of routine or scheduled vegetation management, a tree was determined to require trimming, who was responsible for determining the appropriate level of tree trimming?

e. Currently, if, as part of routine or scheduled vegetation management, a tree is determined to require trimming and the responsible party listed in Question 3 determines that significant trimming is necessary (for example, a dramatic height reduction, removal of an entire significantly-sized limb, or removal of the entire tree), is this decision verified, audited, or otherwise checked by another party, department, or individual? If so, please describe such a process.

f. In the year proceeding October 2007, if, as part of routine or scheduled vegetation management, a tree was determined to require trimming and the responsible party listed in Question 3 determined that significant trimming was necessary (for example, a dramatic height reduction, removal of an entire significantly-sized limb, or removal of the entire tree), was this decision verified, audited, or otherwise checked by another party, department, or individual? If so, please describe such a process.

g. If the answer to part (e) above is yes, are there any situations in which significant trimming would not be verified, audited, or otherwise checked? If so, please list and describe.

h. If the answer to part (f) above is yes, were there in the year proceeding October 2007 any situations in which significant trimming would not have been verified, audited, or otherwise checked? If so, please list and describe.

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Response:

a. SDG&E Vegetation Management (VM) and its contractors apply various metrics to determine the appropriate amount of trimming to perform. These include: trim cycle, species, tree growth rate, voltage, proper trimming standards, applicable regulation, wind sway, line sag. For trees identified as a hazard (*i.e.*, diseased, dead, dying, heavy lean, structural defect) the extent of trimming is based on the amount needed to abate the hazardous condition, that is, the portion(s) of the tree are trimmed to avoid striking the line if the tree and/or branches failed.

b. See the response to subpart 4a of this request.

c. The tree trimming company determines the appropriate level of tree trimming, per SDG&E standards, to maintain compliance for at least one annual trim cycle, applying the metrics set forth in subpart 4a.

d. See the response to subpart 4c to this request.

e. The responsible party listed in Request 3 is the Area Forester, an employee within SDG&E Vegetation Management. This individual is usually the final arbitrator in determining if significant trimming is necessary. There is typically no additional party, department, or individual that who reviews or verifies the decision subsequent to the Area Forester. Tree trimming contractors also make determinations in the field – e.g. to remove a large limb if that is deemed necessary.

f. See the response to subpart 4e of this request.

g. The answer to 4e is no.

h. The answer to 4f is no.

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Request 5:

In the direct testimony of Gerry Akin in I. 08-11-007 (Guejito Fire Investigation), SDG&E states:

> *"Q: Was there a history of phase-to-ground faults in the span between poles 196394 and 196387 prior to October 22, 2007?*
>
> *A: No. SDG&E records going back to 2001 show that no phase-to-ground faults had occurred in that span before October 22, 2007."*[4]

Since installation, has any <u>other</u> type of fault occurred in the span between poles 196394 and 196387? If so, please provide the date, time, and type of fault for each occurrence.

Response: SDG&E is not aware of any other type of fault occurring in the referenced span prior to October 22, 2007.

[4] Direct Testimony of Gerry Akin, San Diego Gas & Electric Company, I. 08-11-007, page 3, lines 17 - 20.

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Request 6:

In the direct testimony of Paul Alvarado in I. 08-11-007 (Guejito Fire Investigation), SDG&E states:

> *"Q: Does SDG&E have any other spans over 850 feet in length in its electric system?*
>
> *A: Yes. According to SDG&E's records, there are approximately 250 overhead distribution spans in the system that exceed 850 feet."*[5]

a. At the time of the Guejito fire ignition, approximately how many overhead spans did SDG&E's system contain?

b. As of the response date of this data request, approximately how many overhead spans does SDG&E's system contain?

c. As of the response date of this data request, approximately how many overhead spans exceeding 850 feet in length does SDG&E's system contain?

d. Has SDG&E conducted any risk analysis regarding overhead distribution span length? If so, please provide.

Objection: SDG&E objects to this request on the grounds set forth in General Objections 3 and 5. Subject to the foregoing objections, SDG&E responds as follows.

Response:

a. In April 2009, SDG&E ran a query and determined there were approximately 176,000 overhead distribution spans at that time. The GIS system is constantly updated, and is a real-time source of data for our distribution system. SDG&E cannot search back to 2007 to determine exactly how many such spans existed at that time. Most likely, there were more than 176,000 spans in 2007 since more and more of SDG&E's electric system is converted to underground every year.

b. There are currently 172,573 overhead distribution spans.

c. There are currently 240 overhead distribution spans that are greater than or equal to 850 feet in length.

d. SDG&E has not conducted a risk analysis based on span length.

[5] Direct Testimony of Paul Alvarado, San Diego Gas & Electric Company, I. 08-11-007, page 5, lines 1 - 3.

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Request 7:

Are joint-pole-use applications free for applicants or does SDG&E collect a processing fee (or similar)?

If SDG&E does not charge a fee, please describe how costs of processing these applications are recovered (if at all). If SDG&E does charge a fee, please provide the fee structure or similar documentation.

Objection: SDG&E objects to this request on the grounds set forth in General Objection 5. Subject to the foregoing objection, SDG&E responds as follows.

Response:

At this time, SDG&E does not collect a processing fee for pole attachment applications that are submitted. Costs are not recovered. SDG&E is, however, considering capturing processing fees in the foreseeable future.

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Request 8:

Aside from any potential fees described in Question 7 above, does SDG&E receive any payment or compensation from joint pole uses by telecommunication companies? If so, please describe the structure of such payments (i.e. one-time payment vs. monthly payment, payment amount, variations in payment amount by location, pole loading, etc.).

Objection: SDG&E objects to this request on the grounds set forth in General Objection 5. Subject to the foregoing objection, SDG&E responds as follows.

Response:

SDG&E only receives Pole Attachment fee payments as prescribed in CPUC D.98-10-058. Below is a description of the payment structure for telecommunication pole attachments.

- SDG&E collects pole attachment fees from telecommunication companies on an annual basis based on their total number of attachments.

- In addition, when new attachment applications are approved, the telecommunication companies are prorated for those new attachments for the remainder of the year.

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Request 9:

a. How does SDG&E (or its contractors) determine default tree growth rates for a new tree entered into its Vegetation Management System?

b. Please describe how SDG&E's default VMS tree growth rates and the methods of determining them compare to industry standards and best practices.

c. Under what circumstances could a tree's default growth rate in SDG&E's Vegetation Management System be changed?

d. What level and type of approval would be necessary to change a tree's default growth rate in SDG&E's Vegetation Management System?

Response:

a. Default growth rates are based on the species and the anticipated growth rate for the species. Additionally, growth rates are determined by observable, site-specific conditions such as previous year's growth, and other potential factors such as soil conditions, proximity to water, cultural practices. SDG&E categorizes growth rates as: slow, medium, fast, or very fast.

b. SDG&E's determination of growth rates are considered the same as industry standards and best practices; that is, species is usually the most significant factor followed by site specific conditions.

c. A tree's growth rate is recorded in the inventory record. The growth rate category can be changed during the tree inspection activity. An inspector may change the growth rate category if it appears the rate has changed. The growth rate can also be changed during the post-inspection quality assurance activity by the third-party contract auditor.

d. There is no approval required to change a tree growth rate.

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Request 10:

In the direct testimony of Gerry Akin in I. 08-11-006 (Witch-Rice Fire Investigation), SDG&E states:

> *"Q: Is there anything else that leads you to believe the reduction in tension with the C phase did not occur prior to the wind events of October 2007?*
>
> *A: Yes. Records dating back to June 6, 2000 confirm that there were no phase-to-phase faults involving the C phase conductor prior to October 21, 2007, except for one fault on February 10, 2002 with unknown phase records."* [6]

a. As used in this context, what does the phrase "with unknown phase records" mean?

b. Please provide all information, records, documentation, or other knowledge that SDG&E has regarding the February 10, 2002 fault.

Response:

a. In this context, "with unknown phase records" indicates that the fault targets for the TL637 event on February 10, 2002 were not recorded.

b. The following table is an extract from SDG&E's database for the event in question:

Type	TL
Id	637
Terminal1	Creelman
Terminal2	Santa Ysabel
Terminal(s)	CRE-ST
kV	69
Outage Date/Time	2/10/02 10:10
Restoration Date/Time	2/10/02 10:11
Load Restoration Date/Time	
Load Drop	FALSE
Sub Load Dropped	None
Field Notes	Outage added per CAISO
Targets	N/A
Description	Wind

[6] Direct Testimony of Gerry Akin, San Diego Gas & Electric Company, I. 08-11-006, page 6, lines 17 - 21.

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Request 11:

Were any SDG&E substation facilities damaged by the Witch, Rice, or Guejito fires? If so, please provide the location and description for each occurrence.

Objection: SDG&E objects to this request on the grounds set forth in General Objection 5. Subject to the foregoing objection, SDG&E responds as follows.

Response: No, there were no SDG&E substation facilities damaged by the Witch, Rice, or Guejito fires.

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Request 12:

In the direct testimony of Ronald Matranga in I. 08-11-006 (Witch-Rice Fire Investigation), SDG&E states:

> *"Q: Had [tree FF1090] been trimmed at that time? Did you take pictures?*
>
> *A: It had been reduced in height, with all the upper foliage removed. I took approximately 16 photos while on site."*[7]

Please provide the referenced photographs.

Objection: SDG&E objects to this request on the grounds set forth in General Objection 5. Subject to the foregoing objection, SDG&E responds as follows.

Response:

The referenced photographs taken by Ronald Matranga are in the SDG&E document production from the civil litigation associated with the Witch, Rice and Guejito Fires of 2007 which was previously provided to ORA in response to ORA DR-02. These photographs have the Bates range SDGE0013437 – SDGE0013444, and SDG&E is providing to ORA courtesy copies of the photographs.

[7] Direct Testimony of Ronald Matranga, San Diego Gas & Electric Company, I. 08-11-006, page 2, lines 11 - 13.

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Request 13:

In the direct testimony of Jon A. Peterka in I. 08-11-006 (Witch-Rice Fire Investigation), Mr. Peterka cites an "acceptable match for this process" of "gust estimates … within 10 and 3 percent … of the wind tunnel measured gusts."[8]

What percentages constitute an "acceptable match for this process"? What percentages would <u>not</u> constitute an "acceptable match for this process"?

Response:

There is no specific "threshold" value for an "acceptable match." The basis for "acceptable match" is based on engineering experience and judgement. Ten and three percent are small numbers which Dr. Peterka judged to be acceptable.

[8] Direct Testimony of Jon A. Peterka, San Diego Gas & Electric Company, I. 08-11-006, page 3, lines 1 - 2.

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Request 14:

In the direct testimony of Jon A. Peterka in I. 08-11-006 (Witch-Rice Fire Investigation), Mr. Peterka states[9] that weather data from Julian (page 4, line 15), Pine Hills (page 5, line 7), Goose Valley (page 6, line 6), Valley Center (page 6, line 17), and the Ramona Airport (page 7, line 2) weather stations had data quality and other issues and were therefore not used in his analysis.

a. Did Mr. Peterka use any Remote Automated Weather Station (RAWS) or Automated Surface Observing System (ASOS) data in his analysis?
b. Did Mr. Peterka use any Remote Automated Weather Station (RAWS) or Automated Surface Observing System (ASOS) data to confirm his analysis?
c. Did Mr. Peterka determine or analyze whether any RAWS or ASOS stations in San Diego would have met his data quality criteria? If so, please provide the determination or analysis, including its results.

Response:

a. No.

b. Dr. Peterka did not use this data in the referenced testimony, but he did use Ramona data for confirmation purposes in my testimony in September 2015.

c. Yes, Dr. Peterka did determine whether any regional anemometers met data quality criteria as explained in the referenced testimony.

[9] Direct Testimony of Jon A. Peterka, San Diego Gas & Electric Company, I. 08-11-006, page and line number citations follow in text above.

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Request 15:

Please provide all documents generated related to the survey(s) performed by Nolte Associates, Inc. on and around November 2, 2007 related to the Guejito fire (previously referred to as "The Nolte Survey"[10]). Please also provide all supporting or related documents and attachments.

Objection: SDG&E objects to this request on the grounds set forth in General Objections 1 and 3. Subject to the foregoing objection, SDG&E responds as follows.

Response:

The Nolte survey documents related to the Guejito fire are in the SDG&E document production from the civil litigation associated with the Witch, Rice and Guejito Fires of 2007 which was previously provided to ORA in response to ORA DR-02. These documents have the Bates range SDGE0123654 – SDGE0123719, and SDG&E is providing to ORA courtesy copies of the survey documents.

[10] For example, see Rebuttal Testimony of the Consumer Protection and Safety Division to the Direct Testimony of Cox Communications and the Direct Testimony of San Diego Gas & Electric Company Regarding the Formal Guejito Fire Investigation, I. 08-11-007.

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Request 16:

Please provide all documents generated related to the survey(s) performed by Nolte Associates, Inc. in October and November 2007 related to the Witch and Rice fires (previously referred to as "Nolte Survey II"[11]). Please also provide all supporting or related documents and attachments.

Objection: SDG&E objects to this request on the grounds set forth in General Objections 1 and 3. Subject to the foregoing objection, SDG&E responds as follows.

Response:

The Nolte survey documents related to the Rice fire are in the SDG&E document production from the civil litigation associated with the Witch, Rice and Guejito Fires of 2007 which was previously provided to ORA in response to ORA DR-02. These documents have the Bates range SDGE0253829 – SDGE0253891, and SDG&E is providing to ORA courtesy copies of these survey documents.

[11] For example, see Rebuttal Testimony of the Consumer Protection and Safety Division to the Direct Testimony of San Diego Gas & Electric Company Regarding the Formal Witch and Rice Fire Investigations, I. 08-11-006.

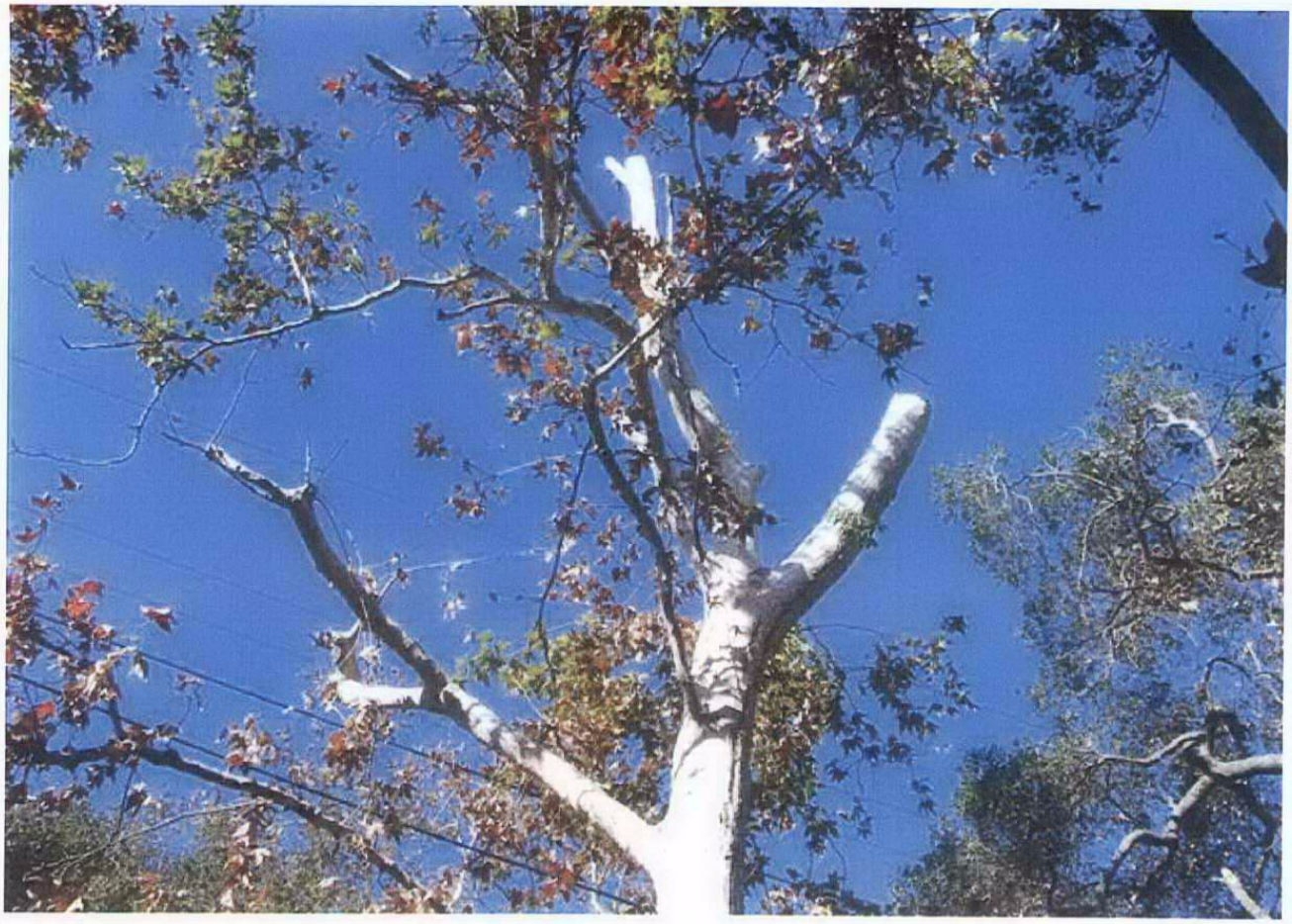
Attachment to Request 12_SDGE0013437-SDGE0013444

13.

14.

15.

16.



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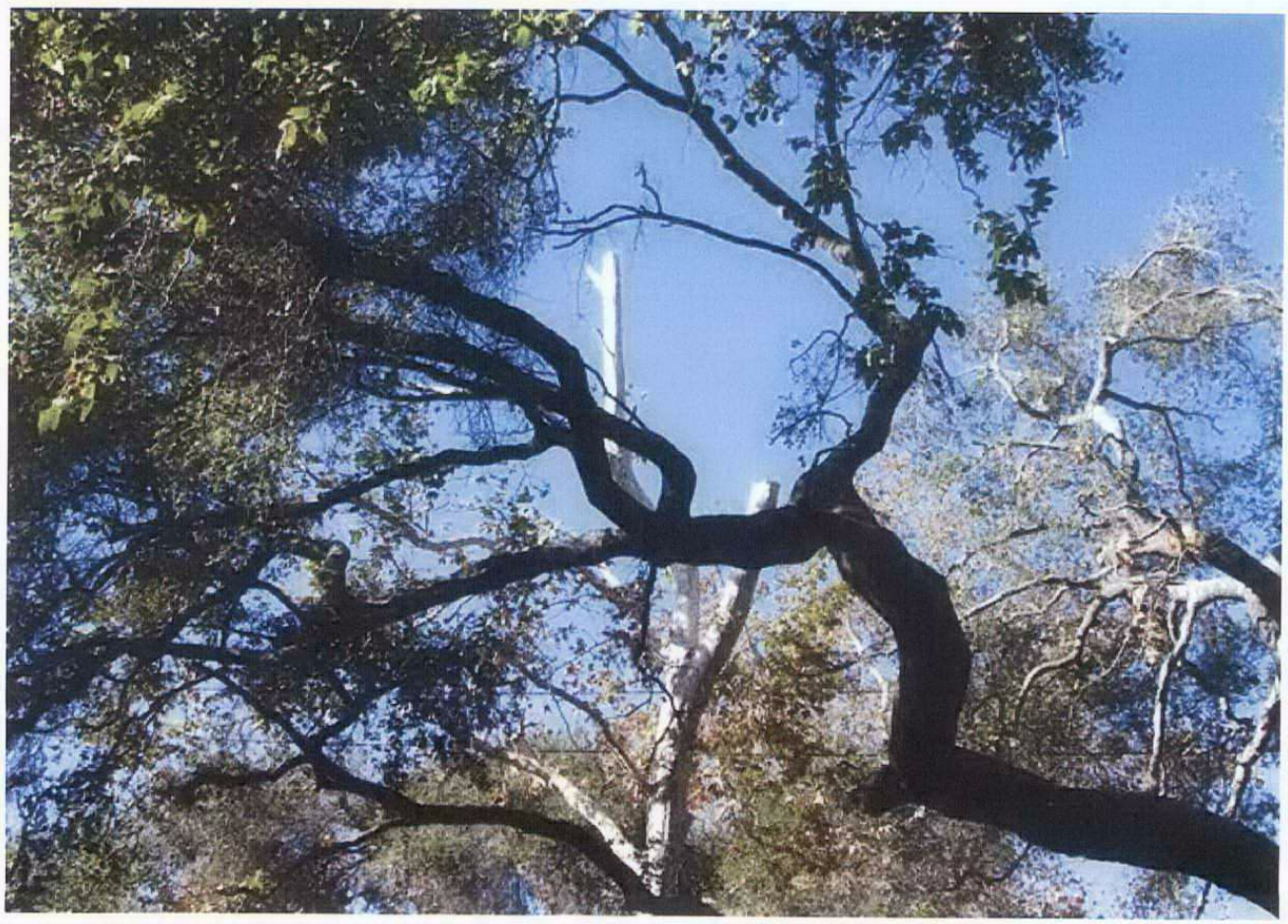

18.

19.

20.

21.

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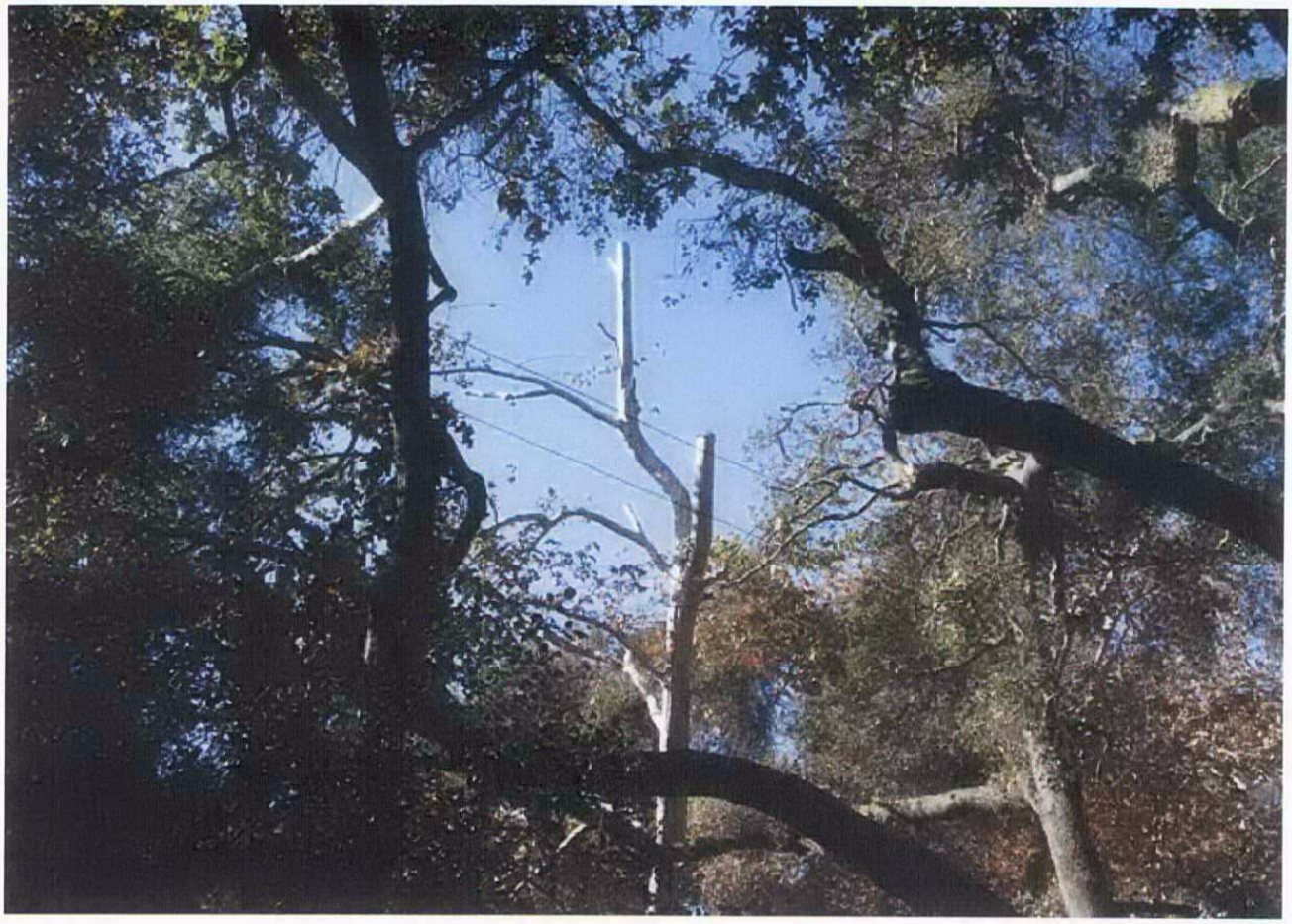
23.

24



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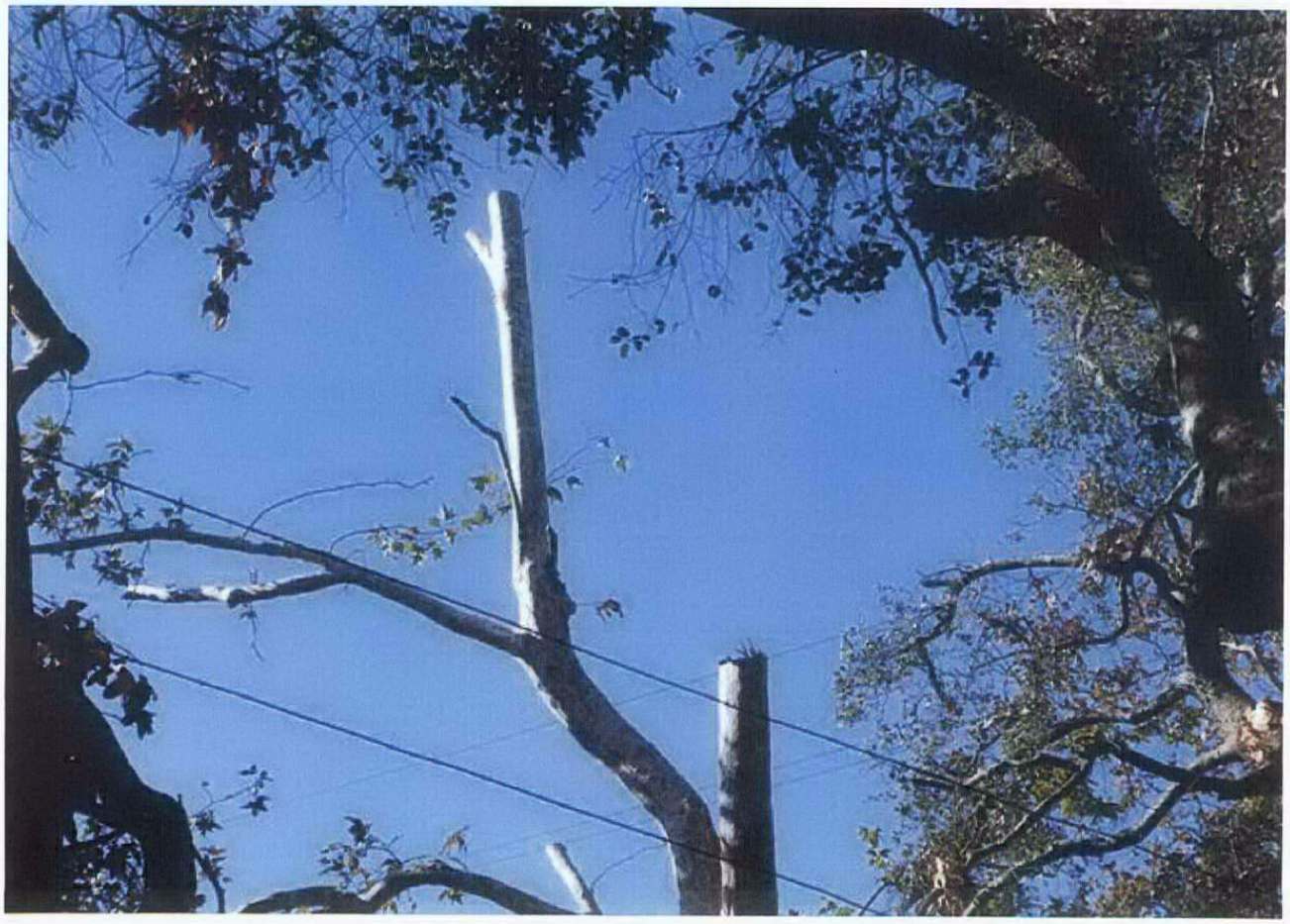
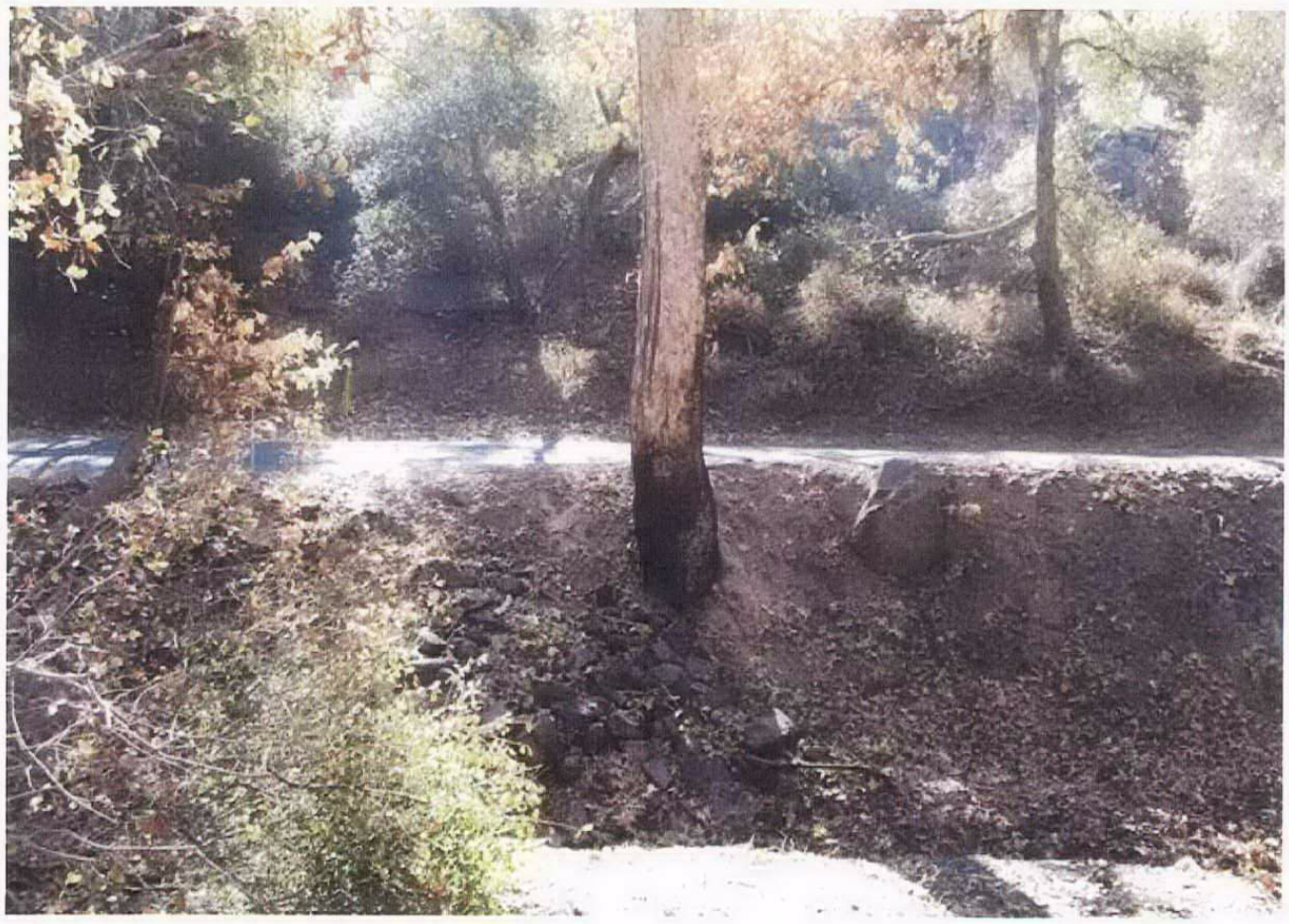


26.

27.



28

Attachment to Request 15_SDGE0123654-SDGE0123719

NOLTE
BEYOND ENGINEERING
15070 Avenue of Science, Suite 100 San Diego, CA 92128
858.385.0500 TEL 858.385.0400 FAX www.nolte.com

Job Numbers

SDGE Job Number: R071140
Nolte Job Number: SDB555800
Survey Number: S070666

Job Information

Job Type: MOAC
DPSS Number:
W.O. Number:
T.B. Number:

Sheet 1 of 17
Date: 6 November 2007
Survey Crew: SWH/NRJ/RAH

Job Name: Guejito FIRE

Job Address: SAN PASQUAL VALLEY RD

Bench Mark: ASSUMED LOCAL COORDINATES

Basis of Bearings: PTS 229-231 FD MONUMENTS ON PM 19095

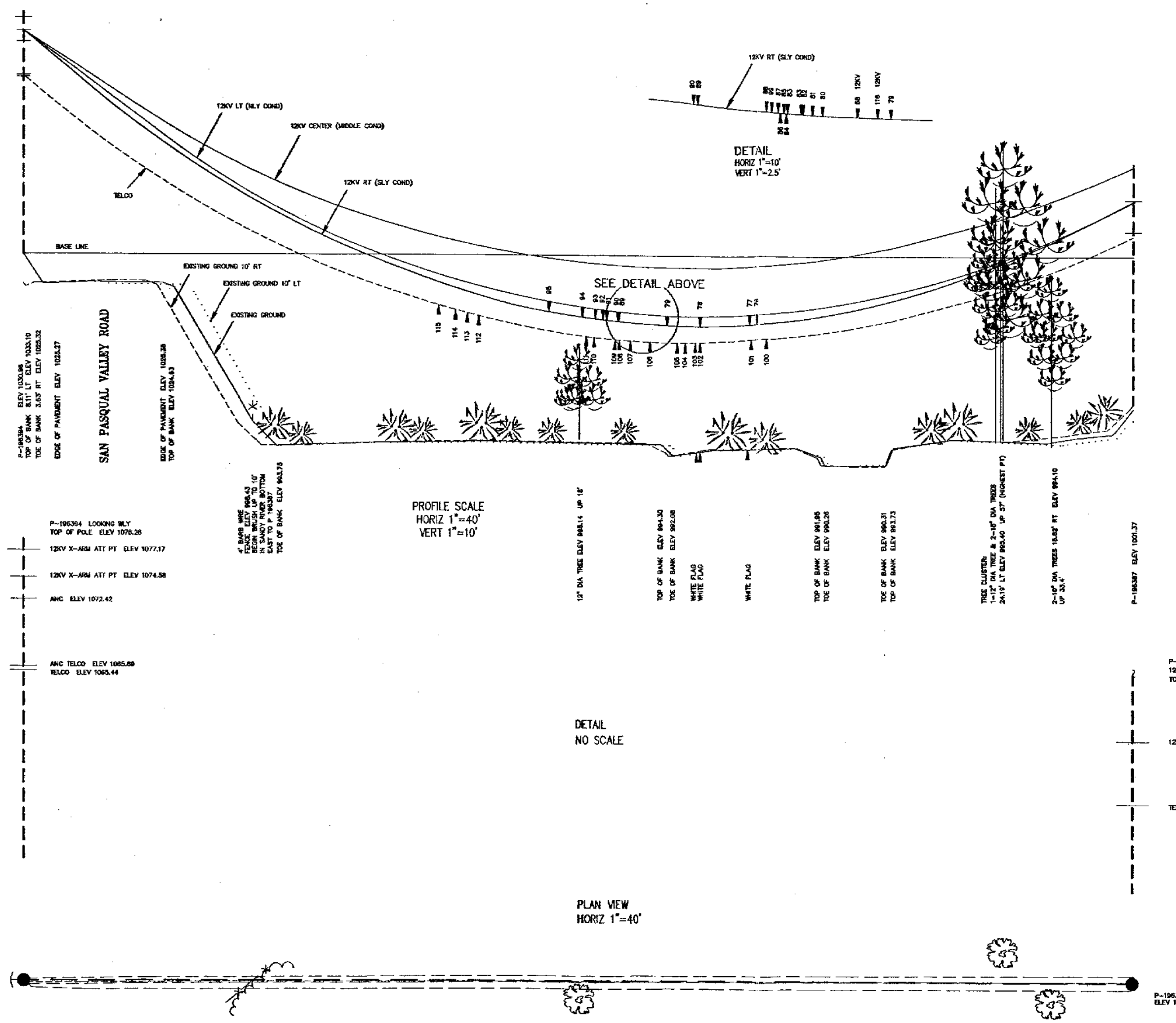
Basis of Coordinates: ASSUMED LOCAL COORDINATES

Job Directories

Data Directory Path: N:\SDGE\R071140\S070666\SURVEY\FIELD DATA\BANDYSWH1102_1.DC
Points Directory Path: N:\SDGE\R071140\S070666\SURVEY\FIELD DATA\BANDYSWH1102.CSV
Photograph Directory Path: N:\SDGE\R071140\S070666\SURVEY\FIELD DATA\PHOTOS\.....

Additional Information

Survey Notes: Held point 229 for rotation onto PM 19095. Drafter, please make a tie to the City of San Diego/County of San Diego boundary.



NUMBERS INDICATE FIELD SURVEY POINT NUMBER

SLY CONDUCTOR (WEST TO EAST)	ELEV	TELCO (WEST TO EAST)	ELEV
95 SPLICE IN COND	1020.1	115 LASHING BREAK WEST END	1021.2
94 NICK IN COND	1019.0	114 LASHING BREAK EAST END	1020.3
93 NICK IN COND	1018.6	113 LASHING BREAK WEST END	1019.7
92 PIECE OF LASHING	1018.4	112 LASHING BREAK EAST END	1019.1
91 NICK IN COND	1018.4	111 LASHING BREAK WEST END	1015.3
90 NICK IN COND	1018.2	110 LASHING BREAK EAST END	1015.2
89 NICK IN COND	1018.1	109 LASHING BREAK WEST END	1014.8
88 NICK IN COND	1017.8	108 LASHING BREAK EAST END	1014.7
99 12KV DAMAGE LOCATION	994.7	107 LASHING BREAK WEST END	1014.5
87 NICK IN COND	1017.8	106 LASHING BREAK EAST END	1014.2
86 NICK IN COND	1017.8	105 LASHING BREAK WEST END	1014.1
85 NICK IN COND	1017.7	104 LASHING BREAK EAST END	1014.0
84 NICK IN COND	1017.7	103 LASHING BREAK WEST END	1014.0
83 PIECE OF LASHING	1017.7	102 LASHING BREAK EAST END	1014.0
82 NICK IN COND	1017.7	101 LASHING BREAK WEST END	1014.1
81 NICK IN COND	1017.6	100 LASHING BREAK EAST END	1014.4
80 NICK IN COND	1017.6		
79 NICK IN COND	1017.5		
78 PIECE OF LASHING	1017.3		
77 NICK IN COND	1017.6		
76 PIECE OF LASHING	1017.7		

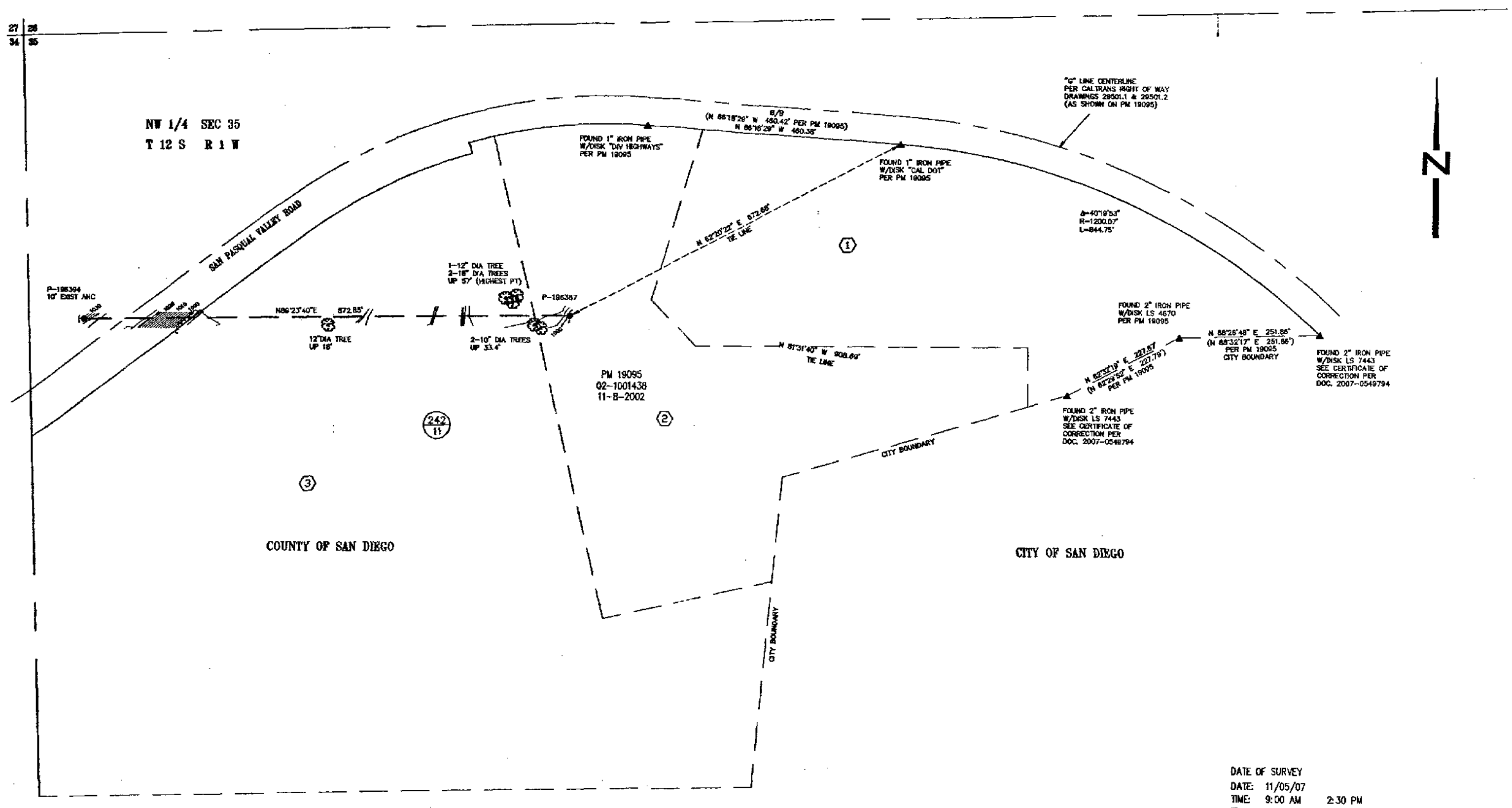
SHEET 2 OF 2 SHEETS

SAN DIEGO GAS & ELECTRIC SAN DIEGO, CALIFORNIA	ORIGINATOR: D.LEBRECHT	OK TO INSTALL:	PROJECT NO.
GUEJITO FIRE SAN PASQUAL VALLEY ROAD SAN PASQUAL	SURVEYED BY: NOLTE/SMH	R/W OK:	CONST. NO.
	DRAWN BY: NOLTE/LAP	DATE: MM-DD-YY	DRAWING NO.
	DATE: 11-09-07	THOS. BROS. 1131-E6	
	SCALE: 1"=40'		

NO.	SUPPLEMENTS	DATE:	BY	APP'D
	Changed Drawing Name	12/10/07	PGR	

NOLTE: N:\SDGE\N07114\S070665\CADD\ACCIDENT.DWG
POINTS FILE: N:\SDGE\N07114\S070665\SURVEY\FIELD DATA\BAND\SMH1102.CSV

SDGE0123655



DATE OF SURVEY
DATE: 11/05/07
TIME: 9:00 AM 2:30 PM
TEMP: 62° 76°

REF: R OF S 14300

SHEET 1 OF 2 SHEETS

THIS PLAT WAS PREPARED BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE LAND SURVEYOR'S ACT ON NOVEMBER 9, 2007.

Paul G. Robotta 12/10/07
PAUL G. ROBOTTA LS 5334

LICENSED LAND SURVEYOR PAUL G. ROBOTTA No. 5334 EXP. 12-31-07 STATE OF CALIFORNIA

SAN DIEGO GAS & ELECTRIC SAN DIEGO, CALIFORNIA	ORIGINATOR: D.LEBRECHT	OK TO INSTALL:	PROJECT NO.
GUEJITO FIRE SAN PASQUAL VALLEY ROAD SAN PASQUAL	SURVEYED BY: NOLTE/SWH	R/W OK:	CONST. NO.
	DRAWN BY: NOLTE/LAP	DATE:	
	DATE: 11-09-07	THOS. BROS. 1131-E6	DRAWING NO.
	SCALE: 1"=100'		

NO.	SUPPLEMENTS	DATE:	BY	APP'D
	Changed Drawing Name	12/10/07	PGR	

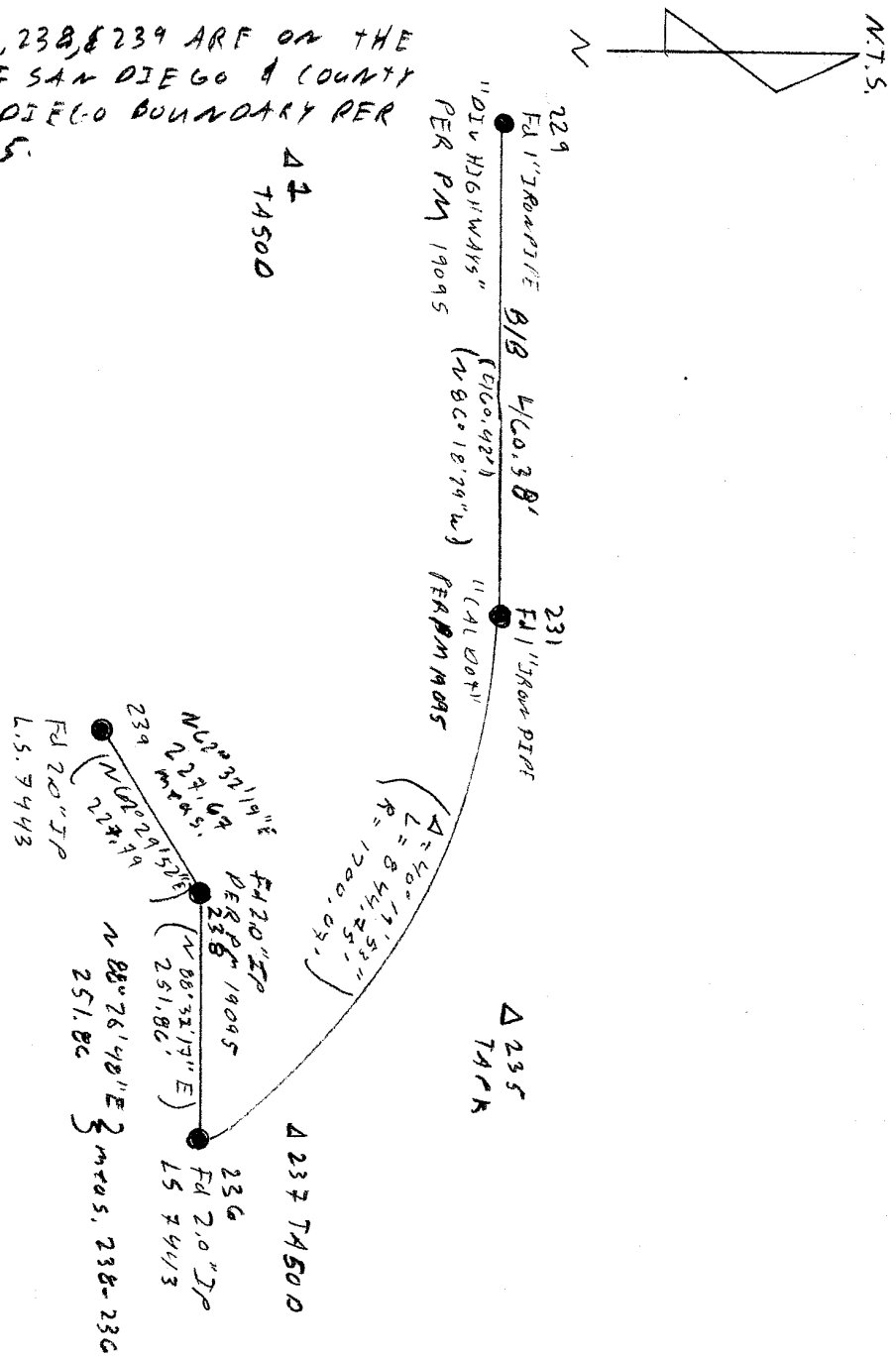
SDGE0123656

WITCH FIRE
SUBJECT
R071140 — NRU/RAH
JOB NO. — DESIGNED BY
11-5-07
DATE — CHECKED BY

NOLTE

NOTE: HELD POINT 229 FOR ROTATION.
229-231 IS O/B PER PM 19095.

PTS 236, 238, & 239 ARE ON THE CITY OF SAN DIEGO & COUNTY OF SAN DIEGO BOUNDARY PER PM 19095.

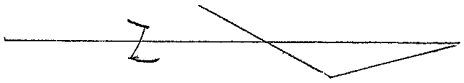


SDGE0123657

BANDY
SUBJECT
R071140 — SWH, NRS
JOB NO. — DESIGNED BY
11-02-07
DATE — CHECKED BY

NOLTE

(14286)
P-196394
10' ANC.
161



(5) △ TA PK/WSHR

(4) △ TA RBR w/ TRAV CAP

(3) △ TA RBR w/ TRAV. CAP

(2) △ TA RBR w/ TRAV. CAP

(21)
P-196387

(1) △ TA RBR w/ TRAV. CAP

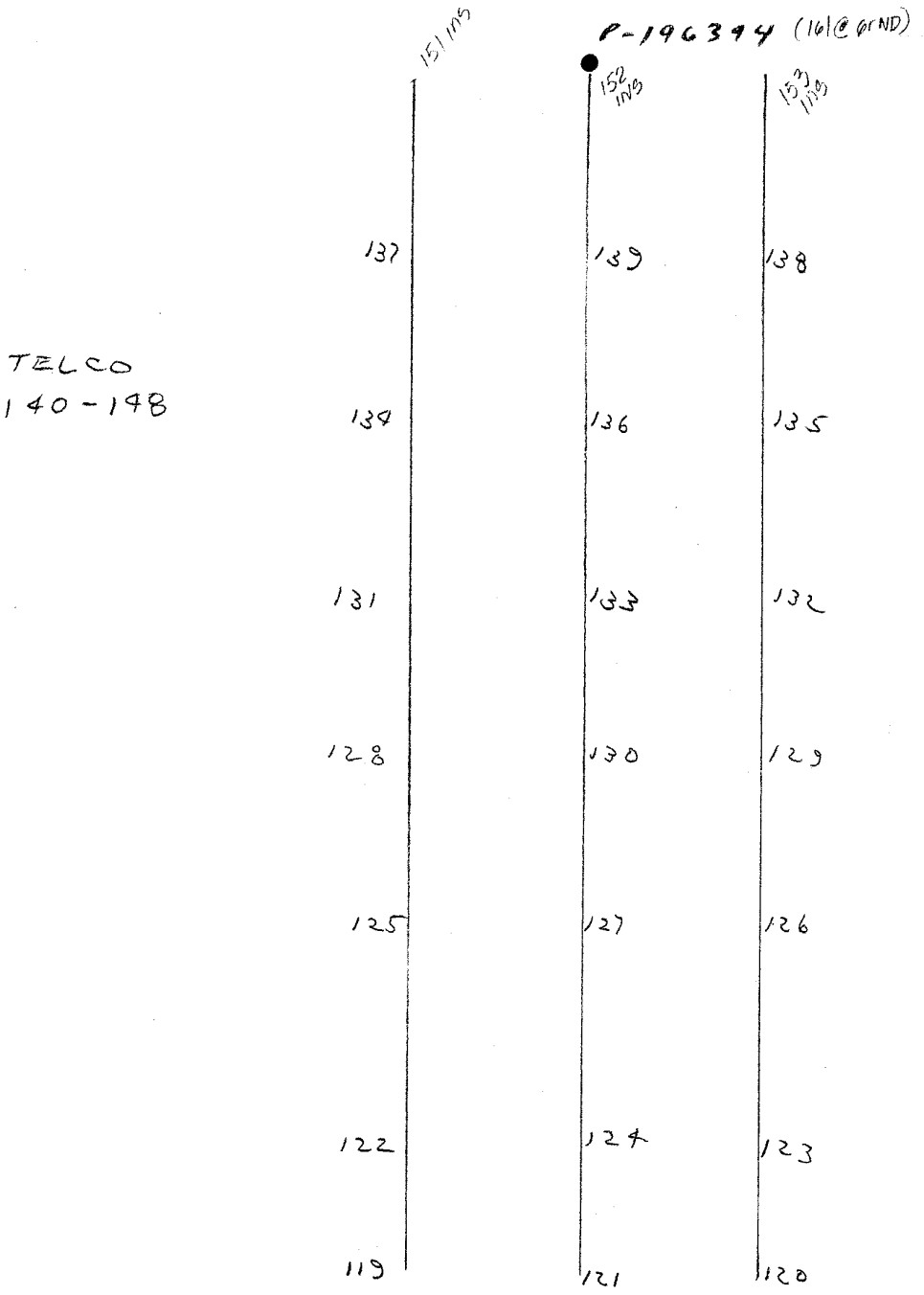
WITCH FIRE
SUBJECT

R0 7114 10 — SWH, NRJ
JOB NO. — DESIGNED BY

11-02-07
DATE — CHECKED BY

NOLTE

POINTS LOCATING CONDUCTORS

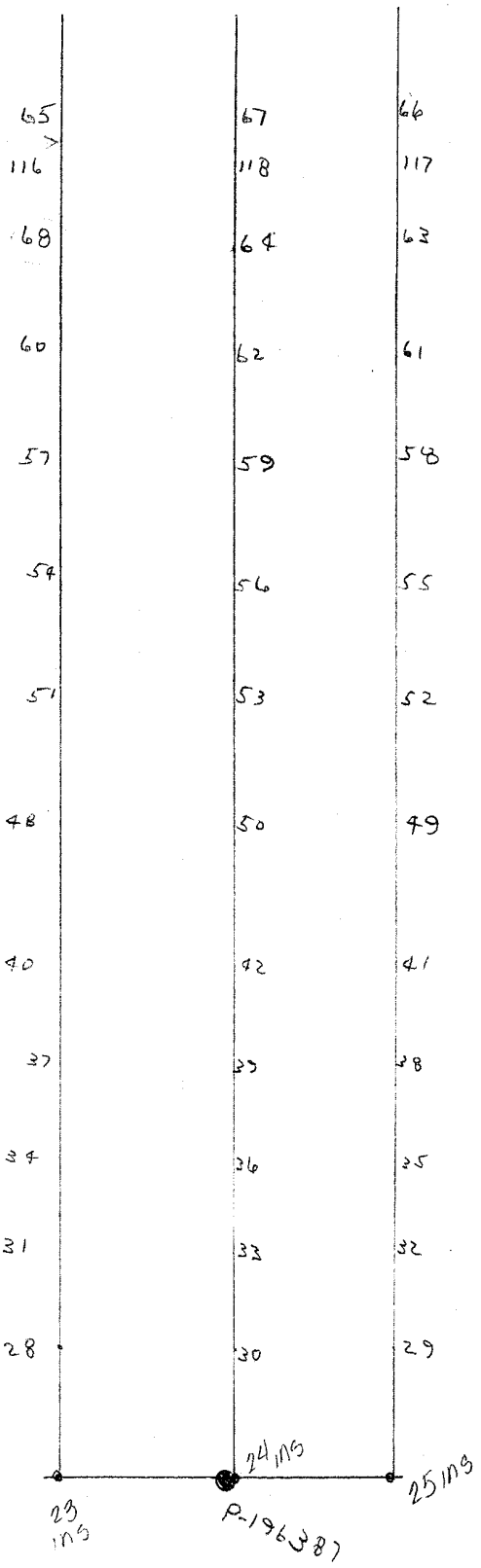


WITCH FIRE
SUBJECT

B071140 SWH NRJ
JOB NO. DESIGNED BY

11-02-07
DATE CHECKED BY

NOLTE



TELCO
69-75

TELCO
43-47

POINTS LOCATING CONDUCTORS

SDGE0123660

WITCH FIRE
SUBJECT

807140 SWH/MRO
JOB NO. DESIGNED BY

11-2-07
DATE CHECKED BY

NOLTE

S'LY CONDUCTOR DAMAGE POINTS

76 - PIECE OF LASHING ON S'LY COND.
77 - NICK IN COND.
78 - PIECE OF LASHING
79 - NICK IN COND.
80 - " " "
81 " " "
82 " " "
83 PIECE OF LASHING
84 NICK IN COND.
85 " " "
86 " " "
87 " " "
88 " " "
89 " " "
90 " " "
91 " " "
92 PIECE OF LASHING
93 NICK IN COND.
94 " " "
95 SPLICE IN COND.
96 WHITE FLAG PHOTO 1
97 " " } PHOTO 2
98 " "
99 DAMAGE LOC. PHOTO 3
100 E. END BREAK 1 } PHOTO 4 Look N'LY
101 W. " " 1
102 E END BREAK 2 } PHOTO 5 Look N'LY
103 W. " " 2
104 E. END BREAK 3 } PHOTO 6 " "
105 W " " 3
164 E. END BREAK 4 } PHOTO 7 " "
107 W. " " 4

PTS 76-99
SLY COND

PTS 100-115
appear to be
on telco

WITCH FIRE
SUBJECT

R071140 SWHIART
JOB NO. DESIGNED BY

11-2-07
DATE CHECKED BY

NOLTE

108	E. END BREAK	5	PHOTO 8	LOOK N'LY	
109	W. " "	5			
110	E. END BREAK	6	PHOTO 9	"	"
111	W. " "	6			
112	E. END BREAK	7	PHOTO 10	"	"
113	W. " "	7			
114	E. END BREAK	8	PHOTO 11	"	" BAD PHOTO
115	W. " "	8			

SDGE

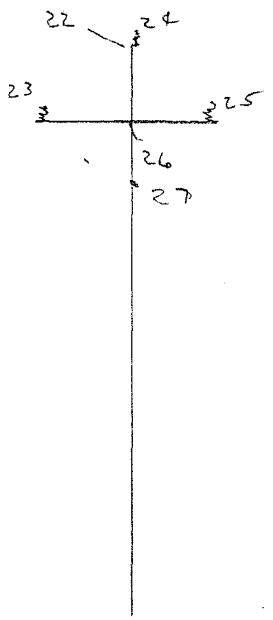
PAGE ____ OF ____

JOB NAME WITCH FIRE JOB NO R071140

NOTES: ____ NOTE TAKER S. HAHN DATE 11/02/07

____ CHECKED BY ____ DATE / /

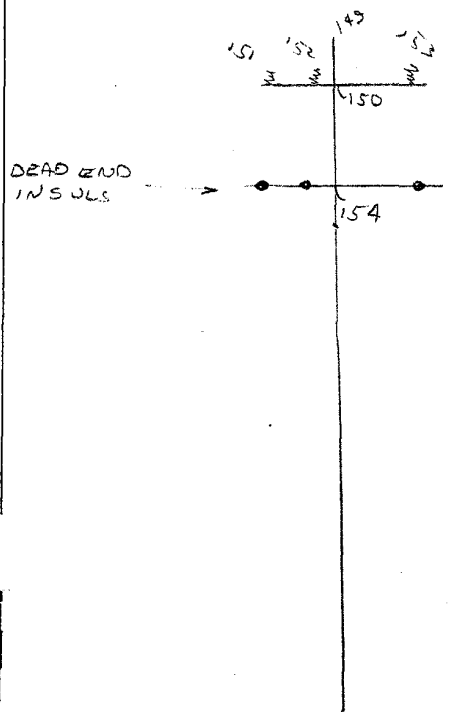
STRUCTURE # P-196387 (21)



DESC.	UP
TOP OF POLE	22
S'LY 12 INSUL	23
CTR " "	24
N'LY " "	25
X-ARM ATT. PT.	26
Telco	27

LOOKING W'LY

STRUCTURE # 196394



DESC.	UP
TOP OF POLE	149
12KV X ARM ATT. PT.	150
12KV INSUL	151
" "	152
" "	153
12KV X ARM ATT PT	154
12KV INSUL	155
" "	156
" "	157
ANC "	158
ANC TELCO	159
TELCO	160

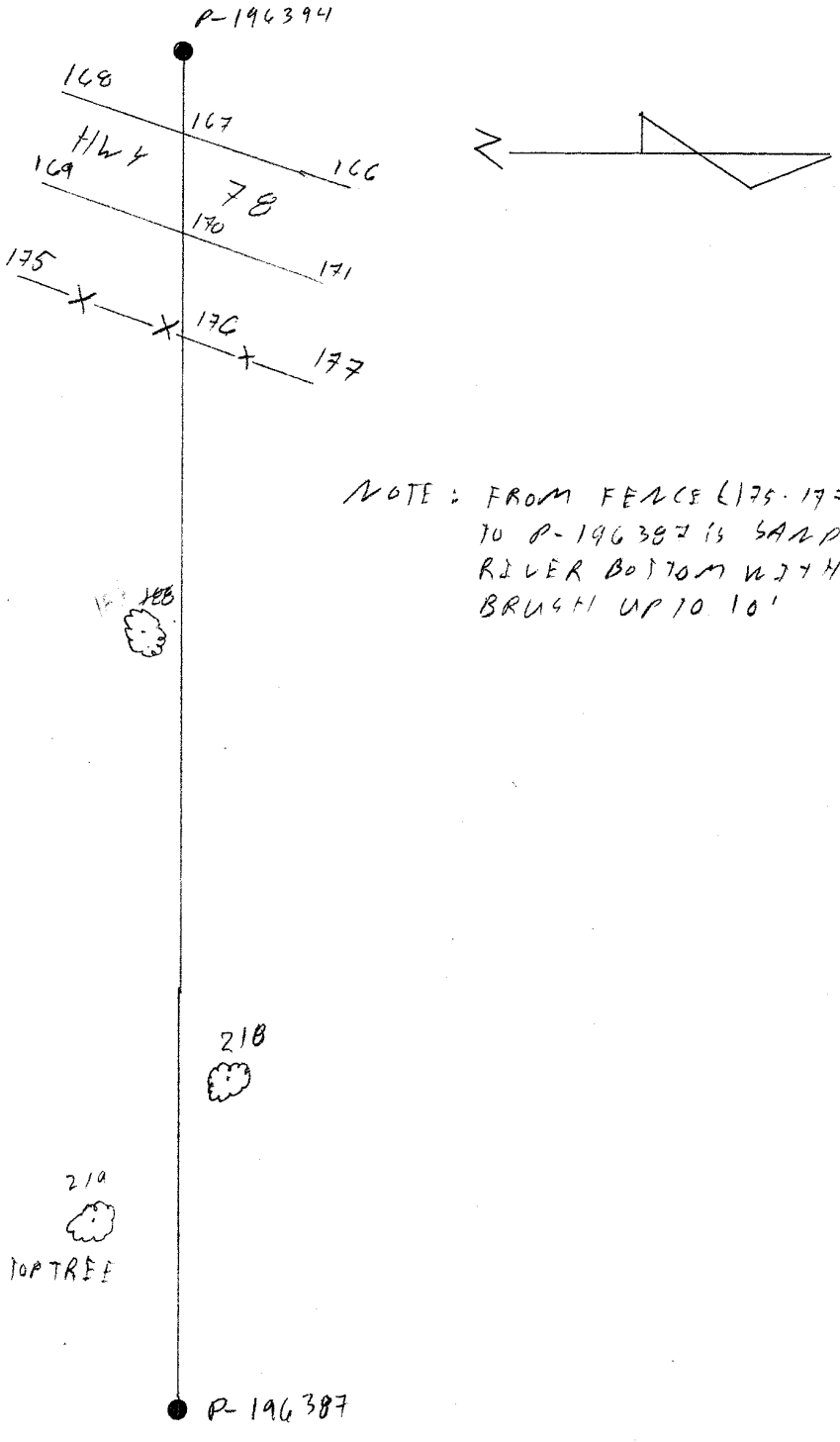
LOOKING W'LY

FILE 92227
RICK RANNER

SDGE0123663

WITCH FIRE
SUBJECT
R07140 NRJ/RAH
JOB NO. DESIGNED BY
11-5-07
DATE CHECKED BY

NOLTE



WITCH FIRE
SUBJECT

R071140 NRJ/RAH
JOB NO. DESIGNED BY

11-5-07
DATE CHECKED BY

NOLTE

Σ @ PT 6 – 5.05' $\Delta H = 0.040$
B.S. @ PT. 3 – 4.95' $\Delta V = 0.063$

PTS	DESC
162	TB
163	SV
164-165	TE
166-171	EP
172-174	TB
175-177	FC
178-180	TE
181-186	SV
187	LSTR 12" UP 10.0'
188-190	TB
191-192	TE
193-202	SV
203-205	TB
206-208	TE
209-211	TE
212-214	TB
215-217	SV
218	LSTR 2@18" 1@12" UP 57'
219	LSTR 2@10"
220	219 UP
221-227	SV
228	B.S. STAKEOUT

Device: Survey Controller (TSCe) on ActiveSync

Receive operation Completed.
2 File(s) Successfully Transferred.
Details are as follows:

3:17:29 PM 11/5/2007 Received File N:\SDGE\R071140\S070666\SURVEY\FIELD DATA\BANDYSWH1102_1.dc from Default. No Error
3:17:30 PM 11/5/2007 Received File N:\SDGE\R071140\S070666\SURVEY\FIELD DATA\98353090.dat from Export. No Error

1	10014.48400	9942.85900	1000.00000	TA PIN/CAP
2	10081.16800	9719.59600	994.18400	TA PIN/CAP
3	9985.13600	9539.39500	994.69800	TA PIN/CAP
4	10034.29300	9371.14500	994.66200	TA PIN/CAP
5	9995.96000	9221.10500	1023.29000	TA PK/WASH
21	9945.86200	9906.15800	1001.36500	ECPP P196387
22	9946.03100	9905.83600	1047.45000	ECPP TOP
23	9940.39400	9905.54700	1041.67800	12@INS
24	9946.52400	9905.88300	1048.33900	12@INS
25	9951.41600	9907.28200	1041.75100	12@INS
26	9945.79900	9906.41200	1041.00800	CRSS ARM ATT
27	9946.46400	9905.83800	1034.86800	TELCO ATT
28	9940.17500	9896.59200	1040.55100	12KV
29	9951.24600	9903.48600	1041.34500	12KV
30	9946.36100	9900.44400	1047.77400	12KV
31	9939.86100	9871.41700	1037.26600	12KV
32	9950.90400	9881.99000	1038.63100	12KV
33	9946.02500	9877.31800	1045.25900	12KV
34	9939.47600	9841.30700	1033.65700	12KV
35	9950.56200	9856.31600	1035.60600	12KV
36	9945.65700	9849.67500	1042.46700	12KV
37	9939.06700	9807.94100	1030.09600	12KV
38	9950.14100	9827.75100	1032.55700	12KV
39	9945.20700	9818.92400	1039.68400	12KV
40	9938.78000	9783.94200	1027.81600	12KV
41	9949.86000	9807.20100	1030.55900	12KV
42	9944.90000	9796.79100	1037.87400	12KV
43	9946.36300	9898.03700	1033.90600	TELCO MSNGR
44	9946.07100	9874.10400	1031.19600	TELCO MSNGR
45	9945.72500	9847.74700	1028.46300	TELCO MSNGR
46	9945.44400	9825.56600	1026.34700	TELCO MSNGR
47	9944.97000	9790.66100	1023.36800	TELCO MSNGR
48	9937.89200	9716.56700	1022.56700	12KV
49	9948.45000	9716.79100	1023.65000	12KV
50	9943.68400	9716.69000	1032.58200	12KV
51	9937.40500	9681.29100	1020.61100	12KV
52	9947.96400	9684.10600	1021.95600	12KV
53	9943.17400	9682.83000	1031.01500	12KV
54	9937.01400	9651.95300	1019.36600	12KV
55	9947.55900	9656.90100	1020.85800	12KV
56	9942.78100	9654.65900	1030.00800	12KV
57	9936.53800	9613.32900	1018.26700	12KV
58	9947.02900	9621.03900	1019.86500	12KV
59	9942.21600	9617.50300	1029.08000	12KV
60	9936.05200	9574.70800	1017.79100	12KV
61	9946.49500	9585.13500	1019.37500	12KV
62	9941.68000	9580.32700	1028.61600	12KV
63	9945.92600	9545.75200	1019.41500	12KV
64	9941.13500	9539.59600	1028.61100	12KV
65	9934.88500	9479.61000	1019.19100	12KV
66	9945.23000	9496.58300	1020.31400	12KV
67	9940.38700	9488.64100	1029.44400	12KV

68	9935.62900	9532.51800	1017.96000	12KV
69	9943.93700	9716.71000	1018.41300	TELCO MSNGR
70	9943.42600	9680.27800	1016.71800	TELCO MSNGR
71	9943.10800	9656.87000	1015.86800	TELCO MSNGR
72	9942.70100	9627.45500	1015.06600	TELCO MSNGR
73	9942.21400	9589.80100	1014.50900	TELCO MSNGR
74	9941.82800	9560.33500	1014.44500	TELCO MSNGR
75	9941.25800	9517.58200	1014.86600	TELCO MSNGR
76	9936.65800	9610.03200	1017.68200	12KV DAMAGE
77	9936.60300	9603.98500	1017.61400	12KV DAMAGE
78	9936.17200	9565.23600	1017.27200	12KV DAMAGE
79	9935.83500	9539.16800	1017.45700	12KV DAMAGE
80	9935.89500	9525.81900	1017.59800	12KV DAMAGE
81	9935.77200	9523.87900	1017.64100	12KV DAMAGE
82	9935.66900	9522.00000	1017.68700	12KV DAMAGE
83	9935.63500	9518.95700	1017.71500	12KV DAMAGE
84	9935.59100	9518.68700	1017.72400	12KV DAMAGE
85	9935.66900	9518.18200	1017.71200	12KV DAMAGE
86	9935.70500	9517.06900	1017.76100	12KV DAMAGE
87	9935.82100	9515.77300	1017.79300	12KV DAMAGE
88	9935.90000	9514.69400	1017.82600	12KV DAMAGE
89	9935.73100	9501.14100	1018.13900	12KV DAMAGE
90	9935.65000	9500.18200	1018.15800	12KV DAMAGE
91	9935.43700	9491.66000	1018.38400	12KV DAMAGE
92	9935.68800	9488.86700	1018.44500	12KV DAMAGE
93	9935.59200	9482.89900	1018.61300	12KV DAMAGE
94	9935.16800	9472.75800	1019.00300	12KV DAMAGE
95	9935.14200	9446.54700	1020.12700	12KV DAMAGE
96	9936.82400	9602.21100	993.94000	MARKER FLAGS
97	9934.71300	9565.24300	992.40100	MARKER FLAGS
98	9934.70300	9562.27500	992.11700	MARKER FLAGS
99	9936.19900	9517.48500	994.73700	DAMAGE LOC
100	9942.66200	9617.74900	1014.43700	LASHING BREAK1 E
101	9942.80300	9605.13500	1014.14400	LASHING BREAK1 W
102	9942.77900	9565.23000	1013.98600	LASHING BREAK2 E
103	9942.67400	9561.57400	1013.96300	LASHING BREAK2 W
104	9942.77900	9553.47900	1013.98400	LASHING BREAK3 E
105	9942.60900	9547.13500	1014.05500	LASHING BREAK3 W
106	9942.06100	9525.73300	1014.22900	LASHING BREAK4 E
107	9941.70400	9510.14400	1014.49200	LASHING BREAK4 W
108	9941.46700	9501.37000	1014.67100	LASHING BREAK5 E
109	9941.79400	9497.92500	1014.75100	LASHING BREAK5 W
110	9941.47500	9481.76000	1015.16400	LASHING BREAK6 E
111	9941.29100	9475.71900	1015.33400	LASHING BREAK6 W
112	9939.95500	9392.26800	1019.13100	LASHING BREAK7 E
113	9939.76300	9383.30000	1019.66000	LASHING BREAK7 W
114	9939.52400	9374.15800	1020.27300	LASHING BREAK8 E
115	9939.36000	9360.89800	1021.16000	LASHING BREAK8 W
116	9936.04400	9536.47600	1017.27100	12KV
117	9946.10200	9519.55000	1019.15000	12KV
118	9941.34000	9527.56700	1027.94800	12KV
119	9934.88700	9451.60800	1019.57500	12KV

120	9944.81500	9443.57200	1021.63400	12KV
121	9940.12400	9447.37000	1029.85900	12KV
122	9934.56300	9418.70000	1021.30600	12KV
123	9944.52700	9413.94900	1023.29900	12KV
124	9939.74700	9416.22900	1031.21400	12KV
125	9933.99600	9380.70800	1023.87400	12KV
126	9943.92900	9379.76000	1025.60300	12KV
127	9939.15900	9380.21300	1033.22500	12KV
128	9933.33500	9338.78600	1027.35300	12KV
129	9943.20400	9341.94800	1028.71900	12KV
130	9938.45700	9340.42400	1035.88900	12KV
131	9932.69200	9293.59800	1031.89800	12KV
132	9942.45900	9301.05100	1032.68100	12KV
133	9937.76500	9297.46600	1039.34700	12KV
134	9931.51900	9198.41400	1044.22400	12KV
135	9941.36200	9214.95200	1043.29100	12KV
136	9936.66700	9207.06000	1048.76100	12KV
137	9930.19200	9083.57100	1064.14800	12KV
138	9940.21500	9134.17300	1056.07500	12KV
139	9935.37700	9120.20400	1060.53300	12KV
140	9940.97400	9499.24300	1014.52400	TELCO
141	9940.62200	9466.86200	1015.47400	TELCO
142	9940.43300	9432.60200	1016.88700	TELCO
143	9940.00900	9406.49900	1018.20900	TELCO
144	9939.61500	9372.85200	1020.27900	TELCO
145	9939.12100	9331.05100	1023.38300	TELCO
146	9938.47900	9283.98600	1027.67800	TELCO
147	9937.76400	9204.99300	1036.69100	TELCO
148	9935.58400	9078.85500	1056.16600	TELCO
149	9934.13800	9035.63400	1078.26000	ECPP TOP
150	9934.54700	9036.03700	1077.16900	CRSSARM ATT
151	9931.18600	9039.53100	1077.22900	12@INS
152	9933.39500	9037.23600	1077.67000	12@INS
153	9937.85600	9033.25400	1078.62600	12@INS
154	9934.24300	9035.96400	1074.57700	CRSSARM ATT
155	9929.56900	9035.95600	1074.00900	12@INS
156	9934.19900	9039.35000	1073.80700	12@INS
157	9938.79200	9038.35500	1074.52600	12@INS
158	9934.38500	9035.42700	1072.41600	ANC ATT
159	9935.33700	9034.90300	1065.88500	ANC ATT
160	9934.92900	9035.02700	1065.44300	TELCO
161	9936.63600	9033.35600	1030.96200	ECPP P196394
162	9944.80100	9038.05600	1033.10000	TB
163	9923.79400	9031.51300	1024.35100	SV
164	9933.11500	9043.52700	1025.32100	TE
165	9945.58100	9060.55700	1025.03000	TE
166	9945.12700	9072.94600	1025.28500	EP
167	9935.22900	9059.70300	1025.26700	EP
168	9920.71100	9041.05700	1025.35400	EP
169	9918.10800	9117.58700	1026.13700	EP
170	9936.93600	9142.55400	1025.38200	EP
171	9952.45100	9163.69900	1024.76500	EP

172	9948.67400	9169.44400	1023.47500	TB
173	9935.95600	9149.81400	1024.63100	TB
174	9921.38800	9130.52700	1025.18400	TB
175	9920.73400	9194.27400	998.03000	FC
176	9938.01000	9215.18400	998.43500	FC
177	9948.48700	9227.83100	998.30100	FC
178	9949.99200	9247.27600	994.06000	TE
179	9939.72400	9235.74400	993.75000	TE
180	9926.25600	9219.78900	993.84100	TE
181	9924.60100	9285.86600	994.04500	SV
182	9940.82600	9299.08400	994.31700	SV
183	9954.26400	9296.98000	994.39100	SV
184	9956.72600	9387.66000	994.43400	SV
185	9940.04200	9389.62200	994.79500	SV
186	9920.37100	9383.31400	994.97600	SV
187	9927.26900	9470.60300	995.14100	LSTR12D/UP 18FT
188	9930.88200	9521.47800	994.50300	TB
189	9942.77700	9535.10600	994.29600	TB
190	9955.73600	9544.59000	994.00600	TB
191	9954.82100	9551.28500	992.09200	TE
192	9940.96300	9543.34200	992.07500	TE
193	9927.04900	9539.09100	992.00000	TE
194	9930.76900	9573.18700	993.42300	SV
195	9943.96300	9575.54600	993.15400	SV
196	9958.55000	9578.50700	993.47600	SV
197	9955.76000	9612.74900	993.47800	SV
198	9941.51500	9608.75800	993.36900	SV
199	9924.10900	9603.12300	993.38400	SV
200	9924.17400	9637.09800	993.87500	SV
201	9944.03100	9642.51400	993.64400	SV
202	9961.70000	9645.22200	993.50000	SV
203	9960.24300	9664.83800	992.15900	TB
204	9943.81100	9660.80100	991.95300	TB
205	9928.81100	9656.76200	991.84900	TB
206	9928.45000	9659.07400	990.50300	TE
207	9941.31700	9663.35200	990.25700	TE
208	9957.93700	9668.55100	990.25200	TE
209	9958.42000	9712.03300	990.72300	TE
210	9942.15900	9711.52500	990.31400	TE
211	9926.11600	9710.59500	990.05300	TE
212	9927.02400	9714.96600	993.24300	TB
213	9945.54300	9717.44900	993.73300	TB
214	9961.32100	9718.48100	993.80200	TB
215	9959.89000	9763.77300	995.26300	SV
216	9944.42700	9764.35800	995.44700	SV
217	9923.77300	9765.23900	995.37300	SV
218	9968.96200	9803.28200	995.40500	LSTR2@18/LSTR12
219	9929.36500	9841.84000	994.10300	LSTR2@10IN
220	9933.94500	9843.45200	1027.51700	TOP TREE
221	9943.31800	9836.16100	994.87800	SV
222	9956.35200	9849.87500	994.40300	SV
223	9921.85300	9880.74500	998.51900	SV

224	9947.18000	9890.37900	996.35300	SV
225	9962.25800	9895.19500	995.49200	SV
226	9957.76100	9910.82300	999.74500	SV
227	9933.16700	9905.63900	1002.34400	SV
228	9985.14200	9539.35500	994.63000	3/CHK
229	10287.78700	10042.54200	999.47600	MO 1IN IP T&D DIV HIGHWAYS
230	10166.12700	10486.59800	999.47600	CALC
231	10258.14300	10501.96200	1005.92300	MO 1IN IP T&D CAL DOT
232	9060.56400	10424.68700	1005.92300	CALC
233	9923.48200	11258.67700	1005.92300	CALC
234	9923.48200	11258.67700	1005.92300	CALC
235	10191.75800	11064.17900	1015.93100	TA PK
236	9923.80500	11258.71900	1010.68300	MO 2IN IP LS7443
237	9993.40300	11216.81300	1017.07800	TA 50D
238	9916.97800	11006.95600	1009.39600	MO 2IN IP T&D LS4670
239	9811.98600	10804.93700	1004.80400	MO 2IN IP T&D LS7443

WITCH FIRE
SUBJECT

R071140 SWH/NRO
JOB NO. DESIGNED BY

11-2-07
DATE CHECKED BY

NOLTE

Randy Lyle
Larry Hall
Dean ~~Lebreck~~ Lebrecht P196387 (14288 old)
Steve Hahn to P196394
Paul Robotta
Nathaniel Johnson

- Need City Boundary tied out.
- Conductors mid span (+) othershots to locate
- telco locate same as conductors
- White flags (E'ly)
  - ↳ 48' w/ot flag @ telco wire #1
  - ↳ w/ot second whiteflag (w'ly)
- ground profile
- single span / no back span
- no right-of-way
- nick in messenger wire @ pink flagging & conductor
- Scan wire for any other possible contact points

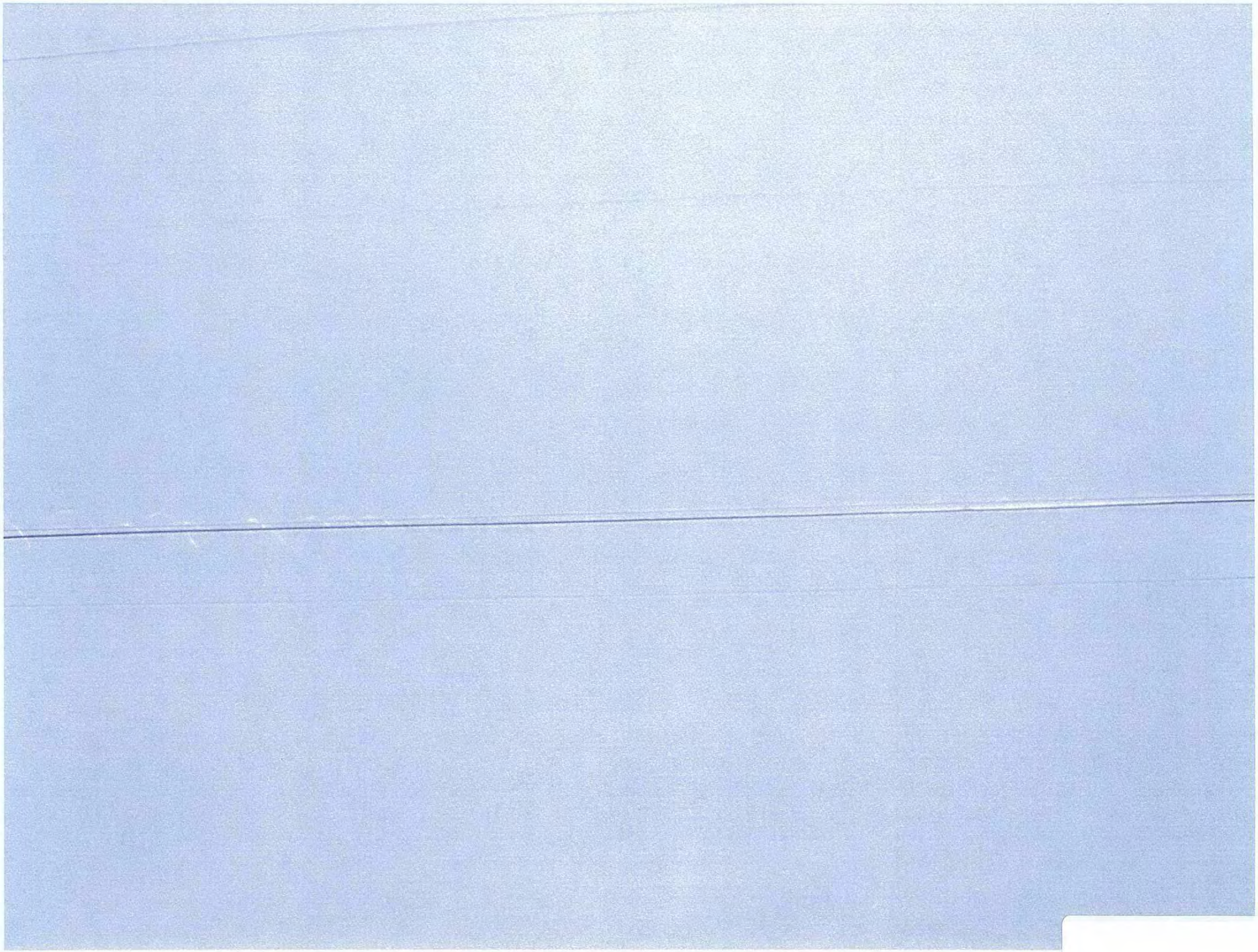
SDGE0123672

PT. 96 Photo 1

DTS 97998 Photo 2

pt 99 photo 3

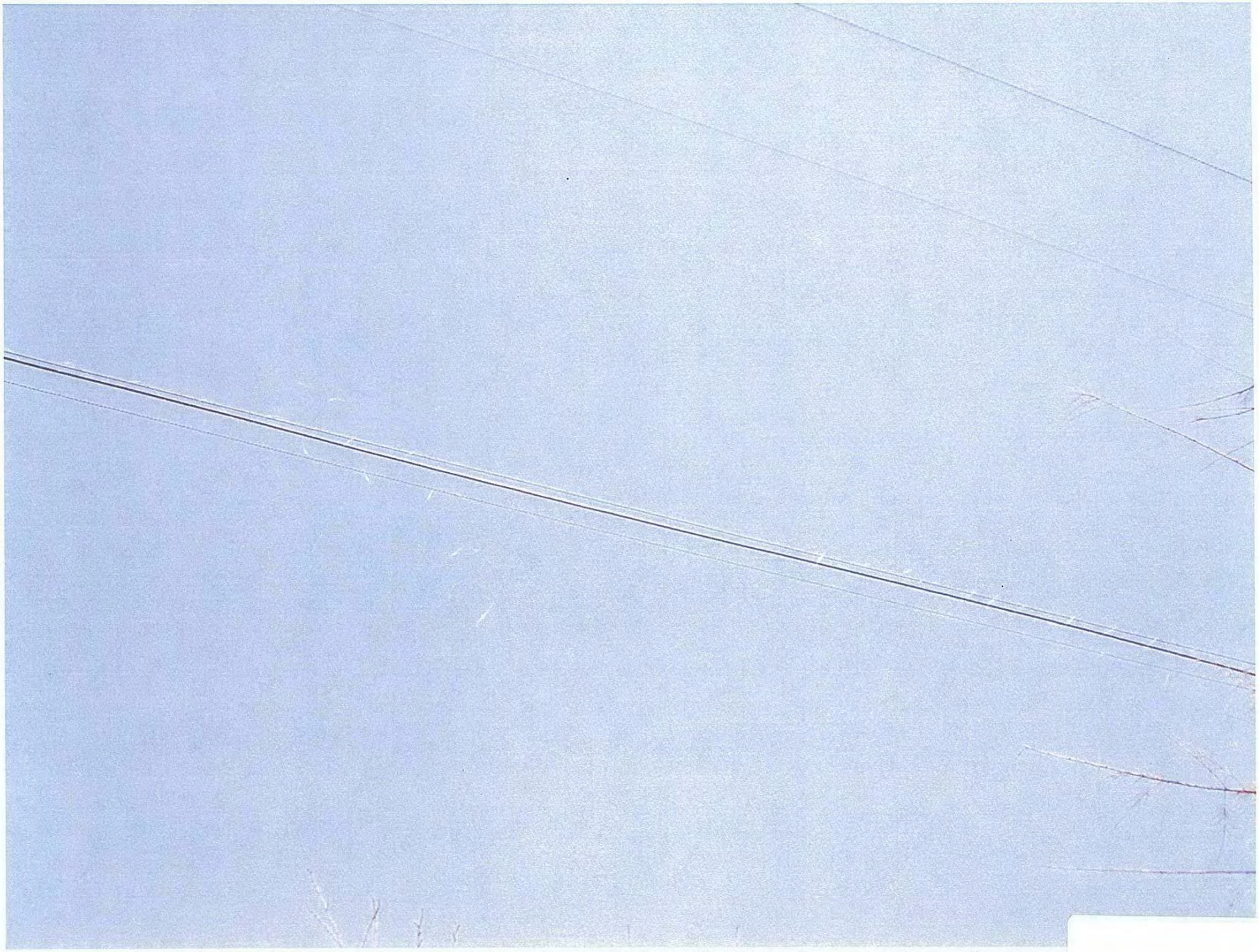
PT. 100 & 101 BREAK 1 PHOTO 4



PTS 102803 BREAK 2 PHOTO 6

PTS 104 & 105 BREAK 3 PHOTO 6

PTS 106 & 107 BREAK 4 PHOTO 7



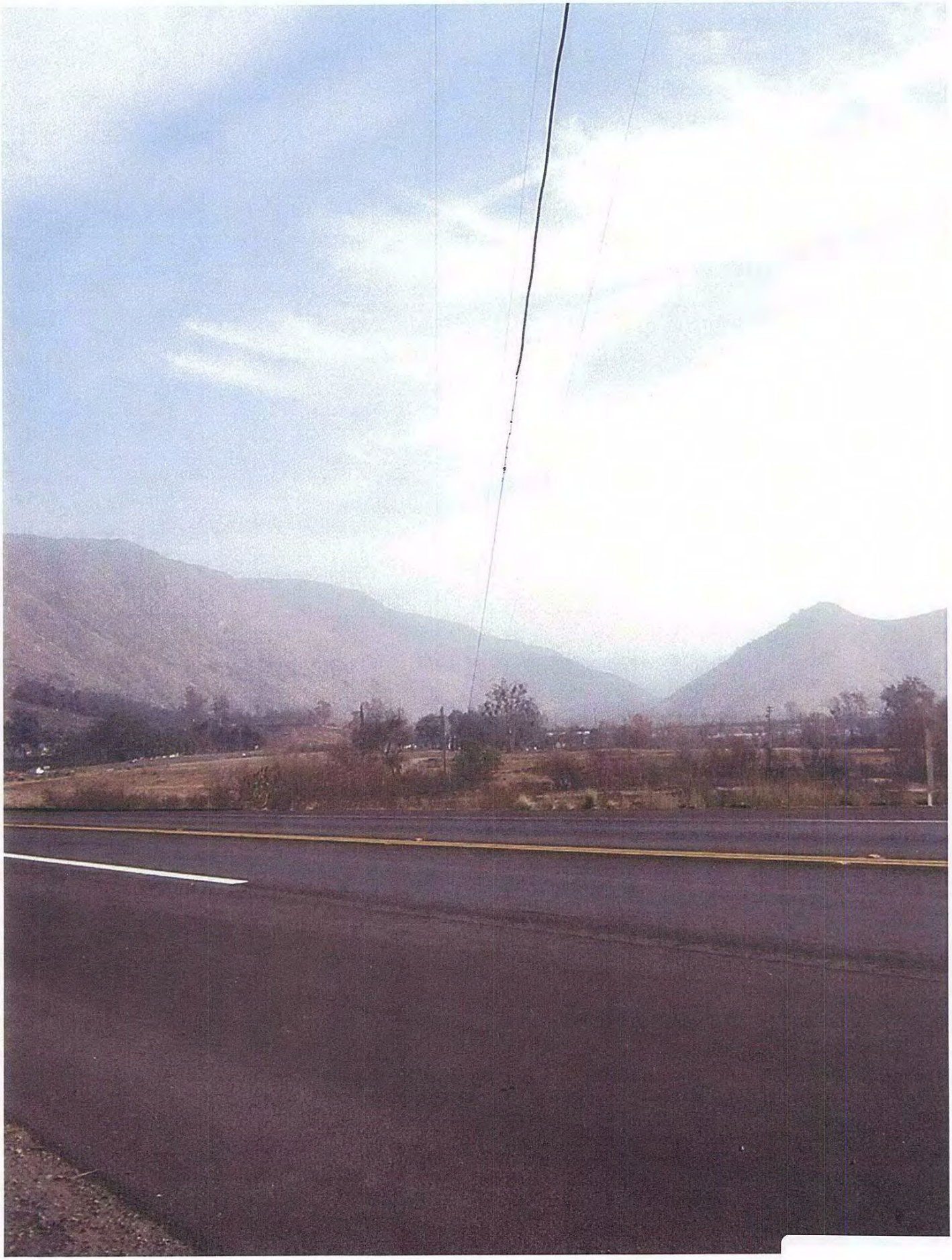
PTS 108 & 109 BREAKS PHOTO 8

PTS 110 & 111 BREAK 6 PHOTO 9

PTS 112 & 113 BREAK) PHOTO IN

P-196304 Looking North westerly 11-5-07

SDGE0123683



Looking Easterly from P-1146394 11-5-07

Looking Easterly 11-5-07

SDGE0123685

Looking westerly at P-1963961 11-5-07

Looking Easterly At Approximate Mid-Span 11-5-07

SDGE0123687

Looking Easterly At P-196387 11-5-07

SDGE0123688

Looking North Easterly AT P-196387 11-5-07

196387

Survey Req.# S070666

Contractor: NOLTE
Date: 11/02/2007

Standard Request Form

SDB555800

Job Number: R071140
Thos Bros: 1131-e6
Requestor: D. Lebrecht
Contract Admin: Steve Cook
Job Type: MOAC

Job Name: Guejito Fire
Address: San Pasqual Valley Rd
Location:

Due Date:
DPSS #: -
Account #: 6220000
Work Order #:
Cost Center #: 2100-3609
I/O #: FC9210002100

Please perform the following activities for the project shown above.

1) Provide info as requested at field meeting on Friday, 11/2/2007.
2) If there are additional questions call Steve Cook at 619-843-7260.

Pictures taken on 11-5-07 show the overall span. Please note that the Southerly conductor and Telco had been replaced.

Drafter - Please plot City / County Boundary as Background and make a tie to the span.

Assessor

☐ Book: 242

☐ Page: 11

Work Orders In eB:

○ 2129150 198801

Work Orders Not In eB:

10452 192707 Am 3432 ~~279650.~~

ME43549 196501

GMDT 17662 200304

No Easements

No Sketches

Enter eB

225247

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SDGE0123692

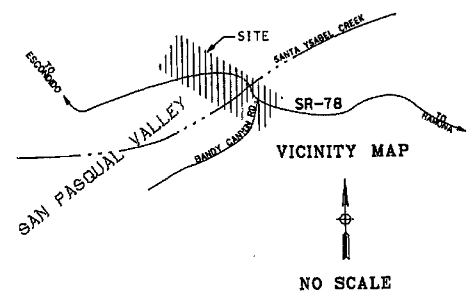
R.O.S. MAP NO. 14300

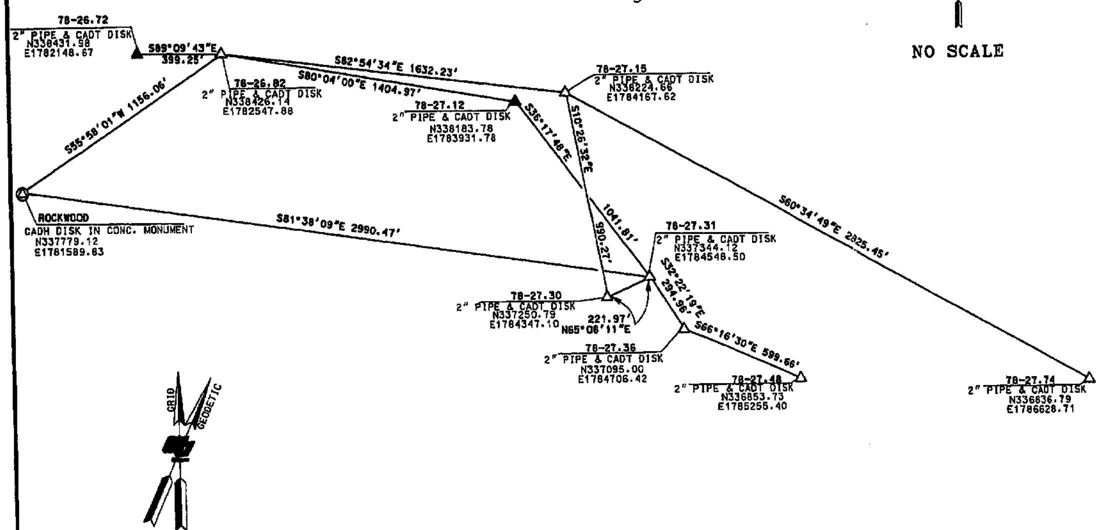
SHEET 1 OF 4 SHEETS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
MONUMENTATION MAP

11-SD-78

PM 26.9 - 27.6





SCALE: 1"= 300'

MAPPING ANGLE = (-) 00°23'14"

CGF= 0.9999420

@ MONUMENT 78-27.15

RECORD OF SURVEY

OF NEW RIGHT OF WAY FOR STATE ROUTE 78 POST MILE 26.9 THRU 27.6 IN A PORTION OF SECTION 35, T.12S. R.1W., SBM. IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA

LEGEND

- (symbol) 1ST OR 2ND ORDER MONUMENT IN THE NATIONAL GEODETIC REFERENCE SYSTEM
- △ SET PROJECT CONTROL SURVEY MONUMENT
- ▲ FOUND CONTROL MONUMENT PER CADT CONTROL BOOK 11-SD-78
- ● FOUND MONUMENT AS NOTED
- ■ FOUND 6" CHC MONUMENT UNLESS NOTED OTHERWISE
- ○ SET 1" PIPE & "CAL DOT" TAG UNLESS NOTED OTHERWISE
- CADH CALIFORNIA DIVISION OF HIGHWAYS
- CADT CALIFORNIA DEPARTMENT OF TRANSPORTATION

BASIS OF BEARINGS

COORDINATES AND BEARINGS ARE BASED ON CCS27, ZONE 6. PROJECT CONTROL SURVEY MONUMENTS WERE ESTABLISHED USING MODIFIED 2ND ORDER HORIZONTAL CONTROL TRAVERSE PROCEDURES. COORDINATES SHOWN FOR RIGHT OF WAY, CENTERLINE AND FOUND POINT MONUMENTS WERE DERIVED FROM FIELD TIES TO SAID CONTROL MONUMENTS, THEY ARE FOR INFORMATION ONLY, AND ARE NOT INTENDED TO BE USED IN THE EXTENSION OF THE CALIFORNIA COORDINATE SYSTEM.

DISTANCES AND STATIONING ARE GRID DISTANCES. MULTIPLY BY 1.000058 TO OBTAIN GROUND DISTANCES.

ALL DISTANCES REFERENCED TO RECORD DOCUMENTS OR MAPS ARE GROUND DISTANCES. UNLESS NOTED OTHERWISE.

SUPPLEMENTARY INFORMATION MAY BE OBTAINED FROM CALTRANS DISTRICT 11 HEADQUARTERS. THROUGH THE SURVEY OR RIGHT OF WAY ENGINEERING BRANCH LOCATED AT 2829 JUAN STREET. SAN DIEGO. CA 92110.

SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE LAND SURVEYOR'S ACT AT THE REQUEST OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION IN JANUARY 1993.

V.F. Breshears

VANCE F. BRESHEARS, P.L.S. 5842
DISTRICT SURVEYS ENGINEER
MY REGISTRATION EXPIRES 12/31/96

PROFESSIONAL LAND SURVEYOR VANCE F. BRESHEARS EXP:12-31-96 L.S. 5842 STATE OF CALIFORNIA

COUNTY SURVEYOR'S STATEMENT

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE LAND SURVEYOR'S ACT THIS 2nd DAY OF SEPTEMBER 1993

PHILIP J. GIURBINO L.S. 4424
COUNTY SURVEYOR

Philip J. Giurbino

LICENSED LAND SURVEYOR PHILIP J. GIURBINO No. LS4424 Exp. 9-30-95 STATE OF CALIFORNIA

COUNTY RECORDER'S STATEMENT

FILE NO. 93-582782
FILED THIS 02 DAY OF SEPTEMBER, 1993 AT 1:50 O'CLOCK P.M. IN BOOK OF RECORD OF SURVEY MAPS AT PAGE 14300, AT THE REQUEST OF THE STATE DEPARTMENT OF TRANSPORTATION

ANNETTE EVANS
COUNTY RECORDER

NO FEE

BY [signature]
DEPUTY COUNTY RECORDER

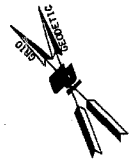
CALIFORNIA COORDINATE INDEX: 334-1779 (x)

78-27.H EA 161152 MAY 1993

R.O.S. MAP NO. 14300

SHEET 3 OF 4 SHEETS

CITY OF SAN DIEGO
T. 12 S. R. 1 W. SBM.
SECTION 35



SCALE: 1"= 50'

MAPPING ANGLE = (-) 00°23'14"
CGF= 0.9999420
@ MONUMENT 78-27.15

DATA

	BEARING	DISTANCE
A	N88°30'52"E	22.72'
B	S35°51'19"E	52.22'
C	S35°51'19"E	27.81'
D	S00°30'20"E	8.00'
E	N54°08'41"E	50.00'
F	N54°08'41"E	50.00'
G	S35°51'19"E	57.00'
H	S35°51'19"E	42.76'
I	N54°08'41"E	30.33'
J	S00°30'00"E	52.43'
K	N52°28'10"E	14.49'
L	N72°12'22"E	10.52'

COORDINATES AND BEARINGS ARE BASED ON CCS27, ZONE 6. PROJECT CONTROL SURVEY MONUMENTS WERE ESTABLISHED USING MODIFIED 2ND ORDER HORIZONTAL CONTROL TRAVERSE PROCEDURES. COORDINATES SHOWN FOR RIGHT OF WAY, CENTERLINE AND FOUND POINT MONUMENTS WERE DERIVED FROM FIELD TIES TO SAID CONTROL MONUMENTS. THEY ARE FOR INFORMATION ONLY AND ARE NOT INTENDED TO BE USED IN THE EXTENSION OF THE CALIFORNIA COORDINATE SYSTEM.

DISTANCES AND STATIONING ARE GRID DISTANCES. MULTIPLY BY 1.000058 TO OBTAIN GROUND DISTANCES.

ALL DISTANCES REFERENCED TO RECORD DOCUMENTS OR MAPS ARE GROUND DISTANCES, UNLESS NOTED OTHERWISE.

78-27.3 EA 181152 MAY 1993

CALIFORNIA COORDINATE INDEX: 334-1779

A.P.N.: 242-11 &13

SDGE0123694

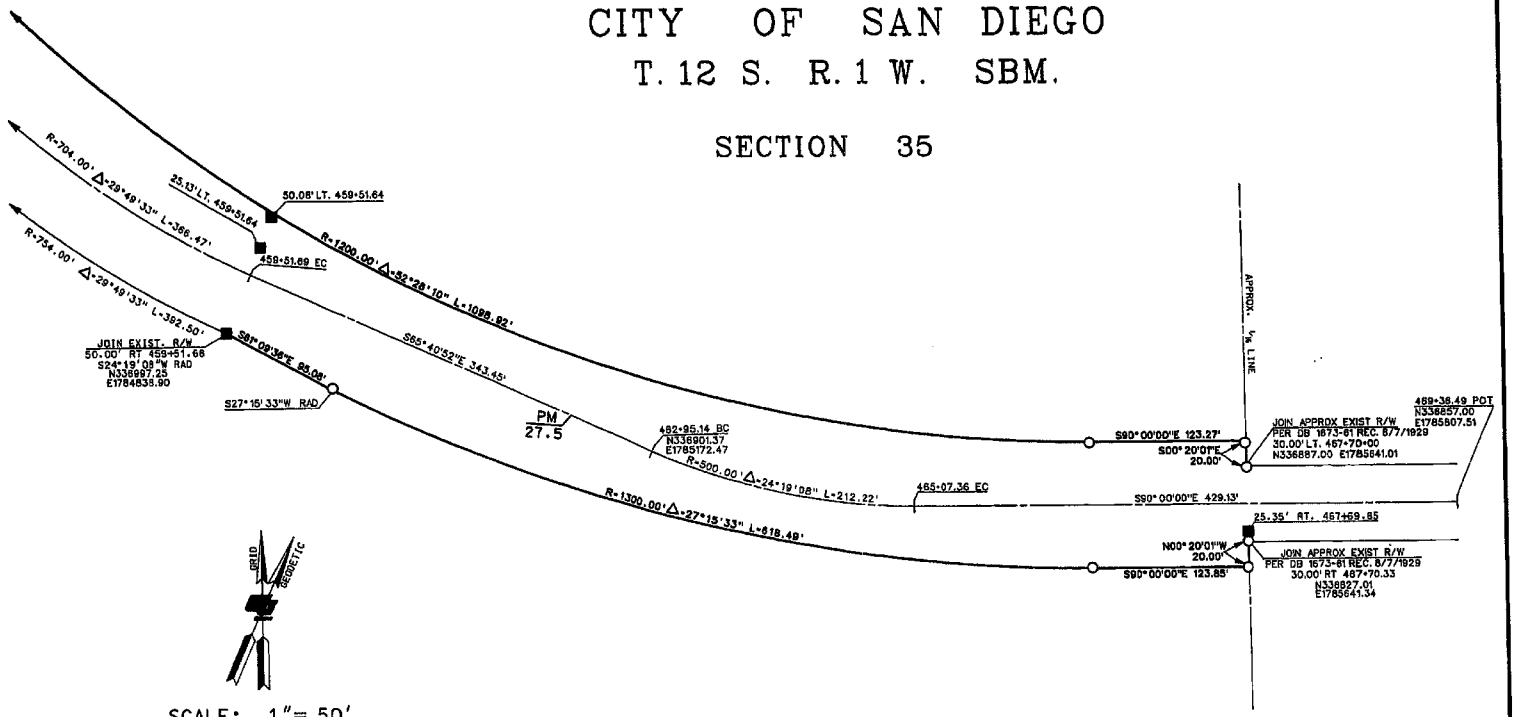
R.O.S. MAP NO. 14300

SHEET 4 OF 4 SHEETS

CITY OF SAN DIEGO

T. 12 S. R. 1 W. SBM.

SECTION 35



SCALE: 1"= 50'

MAPPING ANGLE = (-) 00°23'14"

CGF=0.9999420

@ MONUMENT 78-27.15

COORDINATES AND BEARINGS ARE BASED ON CCS27, ZONE 6. PROJECT CONTROL SURVEY MONUMENTS WERE ESTABLISHED USING MODIFIED 2ND ORDER HORIZONTAL CONTROL TRAVERSE PROCEDURES. COORDINATES SHOWN FOR RIGHT OF WAY, CENTERLINE AND FOUND POINT MONUMENTS WERE DERIVED FROM FIELD TIES TO SAID CONTROL MONUMENTS. THEY ARE FOR INFORMATION ONLY AND ARE NOT INTENDED TO BE USED IN THE EXTENSION OF THE CALIFORNIA COORDINATE SYSTEM.

DISTANCES AND STATIONING ARE GRID DISTANCES. MULTIPLY BY 1.000058 TO OBTAIN GROUND DISTANCES.

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78-27_4 EA 161152 MAY 1993

CALIFORNIA COORDINATE INDEX: 334-1779

A.P.N.: 242-13

SDGE0123695

08 09/12/2007 RG

CHANGES

BLK	OLD	NEW	YR	CUT	
110	5	DES CORR	67	3564	
	2	7&8	74	2528	SCC
	8	HWY OP	74	9380	
	7	9 & HWY OP	91	1968	CANC
	6	Same & HWY OP	92	4844	
	[illegible]	SAME & REN-UP			
		MOBILE HOME	97	4097	
	9	10–12	03	1763	
	6	SAME & HWY OP	04	4703	
	11&12	13&14	08	1139	

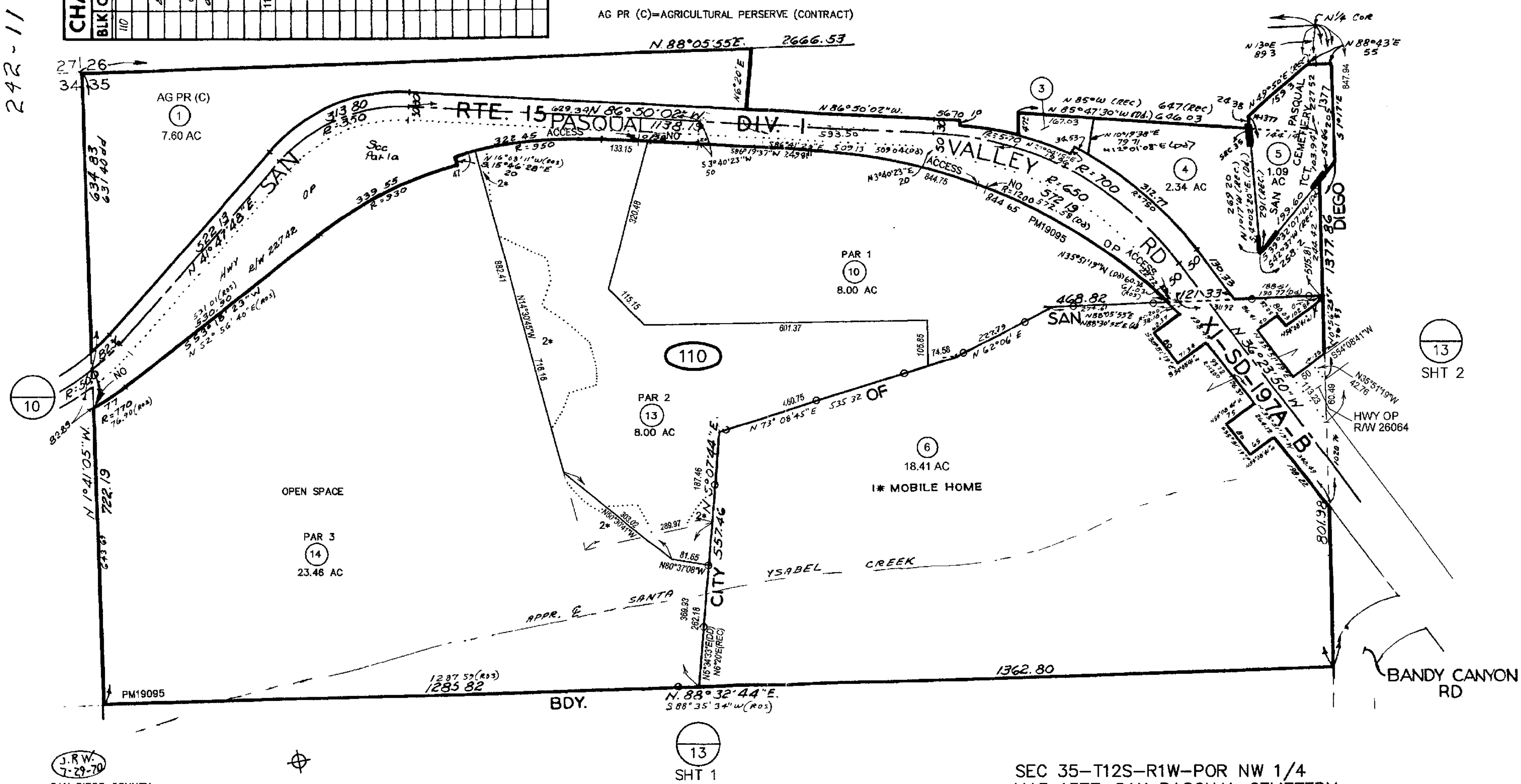
PARCEL NO.
1* 772-421-10-01 97 GP 4097
2* OPEN SPACE

AG PR (C)=AGRICULTURAL PERSERVE (CONTRACT)

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN. ASSESSOR'S PARCELS MAY NOT COMPLY WITH LOCAL SUBDIVISION OR BUILDING ORDINANCES.

242–11

1"=200'



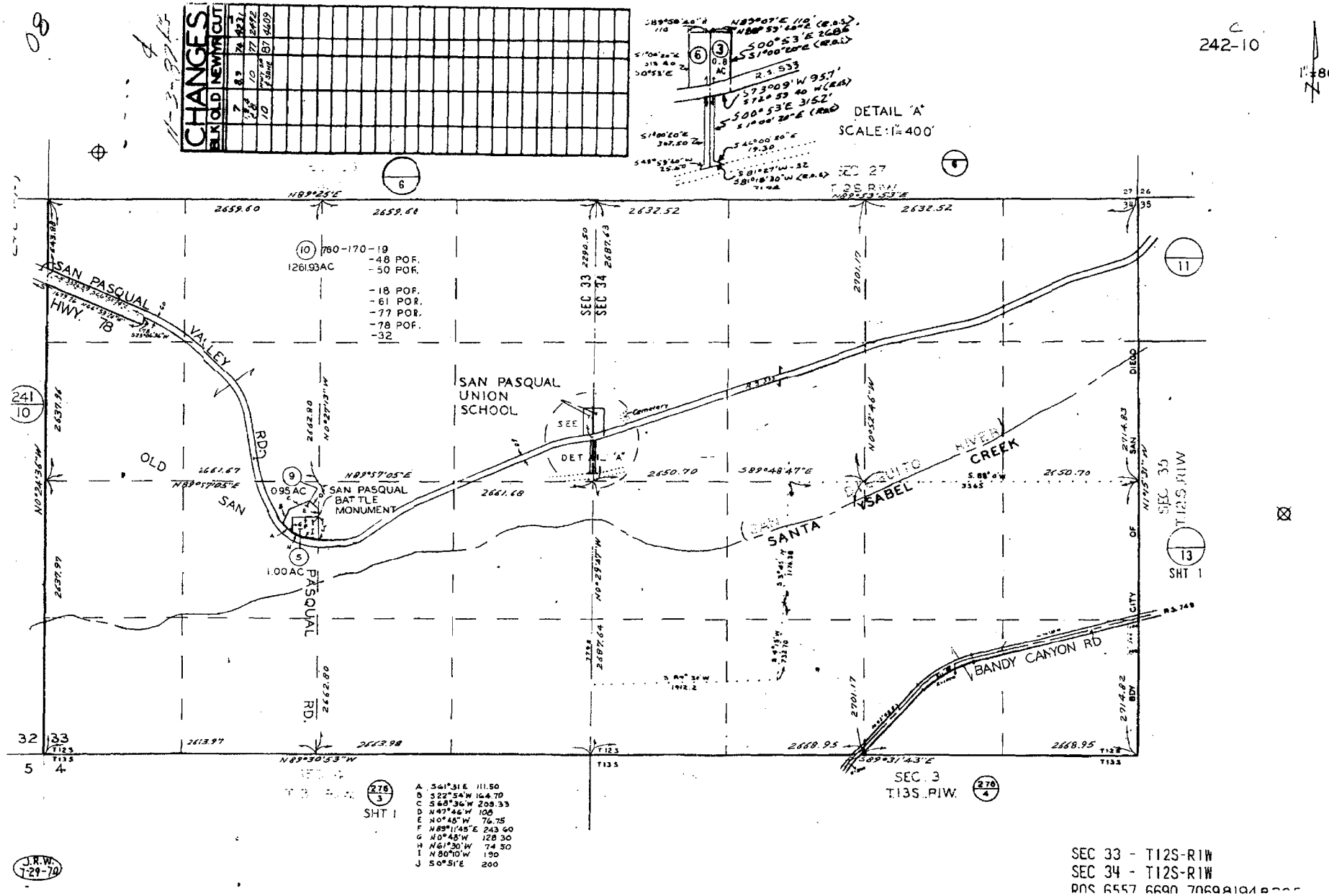
J.R.W. 7-29-70

SAN DIEGO COUNTY ASSESSOR'S MAP BOOK 242 PAGE 11

SEC 35–T12S–R1W–POR NW 1/4
MAP 1377–SAN PASQUAL CEMETERY
ROS 4082, 10225, 14300

242-11

SDGE0123696



SDGE0123697

PARCEL MAP NO. 19095

SHEET 1 OF 5 SHEETS

WE HEREBY STATE THAT WE ARE THE OWNERS OF OR ARE INTERESTED IN THE LAND SUBDIVIDED BY THIS MAP AND WE CONSENT TO THE PREPARATION AND RECORDATION OF THIS MAP.

WE HEREBY DEDICATE TO THE PUBLIC THE RIGHT TO EXTEND AND MAINTAIN DRAINAGE FACILITIES, EVACUATION AND EMBANKMENT SLOPES BEYOND THE LIMITS OF SAN PASQUAL VALLEY ROAD (SR78).

WE HEREBY RELINQUISH AND WAIVE THE ACCESS RIGHTS FROM PARCELS 1,2,& 3 IN AND TO SAN PASQUAL VALLEY ROAD EXCEPTING THEREFROM ACCESS OPENINGS NO.1 AND 2, AS SHOWN ON SAID MAP.

WE HEREBY DEDICATE TO THE SAN DIEGO COUNTY FLOOD CONTROL DISTRICT THE DRAINAGE EASEMENTS AS SHOWN ON SAID MAP.

WE HEREBY DEDICATE TO THE SAN DIEGO COUNTY FLOOD CONTROL DISTRICT A PERPETUAL EASEMENT AND RIGHT-OF-WAY FOR THE FLOAGE OF WATERS OVER, UPON AND ACROSS THE LAND DELINEATED ON THIS MAP AND DESIGNATED HEREON AS "FLOWAGE EASEMENT", PROVIDED HOWEVER, WE RESERVE TO OURSELVES, OUR SUCCESSORS AND ASSIGNS, THE RIGHT TO USE SUBJECT LAND AT ANY TIME, IN ANY MANOR AND FOR ANY PURPOSE NOT INCONSISTENT WITH THE FULL USE AND ENJOYMENT BY THE SAN DIEGO COUNTY FLOOD CONTROL DISTRICT, ITS SUCCESSORS AND ASSIGNS

WE HEREBY GRANT TO THE COUNTY OF SAN DIEGO A PERPETUAL EASEMENT FOR OPEN SPACE OVER THAT AREA SHOWN AS "OPEN SPACE EASEMENT" OVER ALL OF PARCEL 3 AND A PORTION OF PARCEL 2 ON SHEET 4 OF THIS MAP. THIS EASEMENT PROHIBITS ALL OF THE FOLLOWING ON ANY PORTION OF THE LAND SUBJECT TO SAID EASEMENT: GRADING, EXCAVATION, PLACEMENT OF SOIL, SAND, ROCK, GRAVEL OR OTHER MATERIAL, CLEARING OF VEGETATION, CONSTRUCTION, ERECTION OR PLACEMENT OF ANY BUILDING OR STRUCTURE, VEHICULAR ACTIVITIES, TRASH DUMPING OR USE FOR ANY PURPOSE OTHER THAN AS OPEN SPACE.

THE COUNTY OF SAN DIEGO SHALL HAVE THE RIGHT, BUT NOT THE OBLIGATION, TO ENTER UPON THE LAND SUBJECT TO THIS EASEMENT AND REMOVE ANY MATERIAL, STRUCTURE OR OTHER THING PLACED OR MAINTAINED CONTRARY TO THE TERMS OF THIS EASEMENT, AND TO DO ANY WORK NECESSARY TO ELIMINATE THE EFFECTS OF ANY VIOLATION OF THIS EASEMENT. THIS EASEMENT SHALL NOT AUTHORIZE ANY MEMBER OF THE PUBLIC TO USE OR ENTER UPON THE LAND SUBJECT TO THIS EASEMENT, IT BEING UNDERSTOOD THAT THE PURPOSE OF THIS EASEMENT IS SOLELY TO RESTRICT THE USE OF SAID LAND. THE TERMS OF THIS EASEMENT MAY BE SPECIFICALLY ENFORCED OR ENJOINED BY PROCEEDINGS IN A COURT OF COMPETENT JURISDICTION, AND SHALL BE BINDING UPON THE GRANTOR(S) AND ITS OR THEIR SUCCESSORS AND ASSIGNS.

JUSTINE B. FENTON, AS TRUSTEE OF THAT CERTAIN REVOCABLE TRUST DATED OCTOBER 16, 1984, AS OWNER

DONALD J. METZLER (CO-TRUSTEE)

CAROLYN HAAG (CO-TRUSTEE)

SIGNATURES OF THE PARTIES LISTED BELOW, OWNERS OF EASEMENTS PER DOCUMENTS NOTED BELOW, HAVE BEEN OMITTED UNDER THE PROVISIONS OF SECTION 66436, SUBSECTION (a) (3) (A) (i) OF THE SUBDIVISION MAP ACT SINCE THEIR INTEREST IS SUCH THAT IT CANNOT RIPEN INTO A FEE TITLE AND SAID SIGNATURES ARE NOT REQUIRED BY THE GOVERNING BODY.

1. STATE OF CALIFORNIA
   RECORDED AUGUST 26, 1980 AS FILE NO. 80-272609, O.R.
2. SAN DIEGO GAS & ELECTRIC
   RECORDED AUGUST 3, 1927 IN BOOK 1363, PAGE 151 OF DEEDS
3. PACIFIC TELEPHONE AND TELEGRAPH COMPANY
   RECORDED JANUARY 16, 1917 IN BOOK 723, PAGE 468 & JANUARY 16, 1917 IN BOOK 723, PAGE 466 OF DEEDS & FEBRUARY 8, 1912 IN BOOK 536, PAGE 254 OF DEEDS OF OFFICIAL RECORDS
4. SUSIE E. WOODS, ET AL., OWNER OF AN EASEMENT AS RECORDED APRIL 14, 1924 IN BOOK 994, PAGE 313 OF DEEDS OF OFFICIAL RECORDS.
   THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT PLOTTED HEREON.
5. CLIFFORD PEET, OWNER OF AN EASEMENT AS RECORDED NOVEMBER 9, 1926 IN BOOK 1278, PAGE 172 OF DEEDS OF OFFICIAL RECORDS.
   THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT PLOTTED HEREON.

OFFICIAL SEAL
MATTHEW R. MONTEITH
NOTARY PUBLIC-CALIFORNIA
COMM. NO. 1308605
SAN DIEGO COUNTY
MY COMM. EXP. JUNE 2, 2005

PARCEL MAP OF A PORTION OF THE NORTH HALF OF THE NORTHWEST QUARTER OF SECTION 35, TOWNSHIP 12 SOUTH, RANGE 1 WEST, SAN BERNADINO BASE, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA.

PARCEL MAP GUARANTEE BY COMMONWEALTH LAND TITLE COMPANY, ORDER NO. 1090771-7 DATED OCTOBER 25, 2002

HEALTH DEPARTMENT CERTIFICATE HD PO 3047-6R E22

EACH PARCEL IS APPROVED FOR A STANDARD SEPTIC TANK CONNECTED TO FEET OF TILE DRAIN FIELD TO SERVE A THREE BEDROOM DWELLING, PROVIDED THE ORIGINAL SOIL IS NOT DISTURBED IN ANY WAY, SUCH AS CUTTING, FILLING OR RIPPING. THIS DOES NOT CONSTITUTE APPROVAL FOR COMMERCIAL ESTABLISHMENTS.

ALL PARCELS SHALL HAVE A LAYOUT OF THE SEWAGE DISPOSAL SYSTEM APPROVED BY THE SAN DIEGO DEPARTMENT OF PUBLIC HEALTH PRIOR TO THE APPROVAL OF THE BUILDING PERMIT AND/OR ISSUANCE OF A SEPTIC TANK PERMIT. CUTS AND FILLS FOR DRIVEWAYS AND BUILDING SITES SHALL BE MADE PRIOR TO APPROVAL OF THE LAYOUTS. AN ADDITIONAL EXPANSION AREA OF 100% OF THE INITIAL TILE LINE AREA SHALL BE PROVIDED BY GRAVITY FOR POTENTIAL EXPANSION IN THE EVENT OF FAILURE

SEE PERCOLATION TEST DATA AND RECOMMENDATIONS IN THE NAME OF JUSTINE FENTON BY THOMAS GRAVES, RCE 48299

PARCEL 1:
EXISTING SFD (2 BEDROOMS)

PARCEL 2:
EXISTING SFD (4 BEDROOMS)

PARCEL 3:
NOT APPROVED FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM WITHOUT FULL PERCOLATION TESTING AND ENGINEERING

APPROVED WITH THE CONDITION THAT THE PROPOSED CONSERVANCY IS ACCEPTABLE WITH AN OPEN SPACE EASEMENT ON THE ENTIRE LOT OF PARCEL 3 PRIOR TO FINAL RECORDATION OF THIS MAP

GARY STEPHANIE, DEPUTY DIRECTOR (DEPARTMENT OF HEALTH SERVICES)
BY: MARY ANN SEDGMAN , 7-24-02
THIS CERTIFICATION DOES NOT IMPLY ALL CONDITIONS PURSUANT TO THE RESOURCE PROTECTION ORDINANCE AND THE GROUNDWATER ORDINANCE HAVE BEEN MET. THE DEPARTMENT OF PLANNING AND LAND USE SHOULD BE CONSULTED REGARDING THE APPLICATION OF THESE ORDINANCES RELATIVE TO THIS PROJECT. ANY RESULTANT CHANGES TO THE SEPTIC SYSTEM DESIGN(S) MUST BE REEVALUATED BY THE DEPARTMENT OF HEALTH SERVICES.

STATE OF CALIFORNIA)
COUNTY OF SAN DIEGO)

ON 9/18/2002 BEFORE ME, Matthew R. Monteith,
personally appeared Donald J. Metzler and Carolyn Haag
~~personally known to me~~ PROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE) TO BE THE PERSON(S) WHOSE NAME(S) IS/ARE SUBSCRIBED TO THE WITHIN INSTRUMENT AND ACKNOWLEDGED TO ME THAT ~~HE/SHE~~/THEY) EXECUTED THE SAME IN ~~HIS/HER~~/THEIR) AUTHORIZED CAPACITY(IES), AND THAT BY ~~HIS/HER~~/THEIR) SIGNATURE(S) ON THE INSTRUMENT THE PERSON(S), OR THE ENTITY UPON BEHALF OF WHICH THE PERSON(S) ACTED, EXECUTED THE INSTRUMENT.

WITNESS MY HAND.

SIGNATURE Matthew R. Monteith

PRINT NAME Matthew R. Monteith
A NOTARY PUBLIC IN AND FOR SAID STATE

PRINCIPAL PLACE OF BUSINESS IS COUNTY OF San Diego

MY COMMISSION EXPIRES 6/2/2005

THIS TO CERTIFY THAT, PURSUANT TO AUTHORITY CONFERRED BY THE RESOLUTION OF THE BOARD OF SUPERVISORS ADOPTED MARCH 20, 1979, THE DIRECTOR OF PUBLIC WORKS, ACTING ON BEHALF OF THE BOARD OF SUPERVISORS, HAS ACCEPTED, ON BEHALF OF EACH OFFEREE OR GRANTEE, EACH OFFER OF DEDICATION, GRANT AND WAIVER OF RIGHTS EXCEPTING THEREFROM ACCESS OPENINGS NO. 1 AND NO. 2 SET FORTH ON THIS MAP AND SHOWN AS ACCEPTED, SUBJECT TO IMPROVEMENTS, IF ANY; AND HAS REJECTED, ON BEHALF OF EACH OFFEREE OR GRANTEE, EACH OFFER OF DEDICATION, GRANT, OR WAIVER OF RIGHTS SHOWN AS REJECTED ON THIS MAP.

THIS TO CERTIFY THAT THE INTEREST IN REAL PROPERTY CONVEYED BY THE DEDICATION TO THE SAN DIEGO COUNTY FLOOD CONTROL DISTRICT AND AS SHOWN ON THIS MAP, IS HEREBY ACCEPTED SUBJECT TO THE IMPROVEMENTS, IF ANY, BY THE UNDERSIGNED OFFICER OR AGENT ON BEHALF OF THE BOARD OF DIRECTORS OF THE SAN DIEGO COUNTY FLOOD CONTROL DISTRICT PURSUANT TO THE AUTHORITY CONFERRED BY THE RESOLUTION OF SAID BOARD OF DIRECTORS ADOPTED ON MARCH 20, 1975, AND THE DISTRICT CONSENTS TO THE RECORDATION THEREOF BY ITS DULY AUTHORIZED OFFICER.

NOTE:
SECTION 66463 OF THE GOVERNMENT CODE OF THE STATE OF CALIFORNIA PROVIDES THAT A REJECTED OFFER OF DEDICATION SHALL REMAIN OPEN AND SUBJECT TO FUTURE ACCEPTANCE BY THE COUNTY

JOHN L. SNYDER
DIRECTOR OF PUBLIC WORKS

BY: Philip J. Gurbino DATE: 09-19-02
FOR DIRECTOR OF PUBLIC WORKS

THIS MAP WAS PREPARED BY ME OR UNDER MY DIRECTION AND IS BASED UPON A FIELD SURVEY IN CONFORMANCE WITH THE REQUIREMENTS OF THE SUBDIVISION MAP ACT AND LOCAL ORDINANCE AT THE REQUEST OF JUSTINE B. FENTON ON DECEMBER 1999, AND THE MONUMENTS ARE OF THE CHARACTER INDICATED AND OCCUPY THE POSITIONS SHOWN THEREON. I WILL SET ALL OTHER MONUMENTS OF THE CHARACTER AND AT THE POSITIONS INDICATED BY THE LEGEND IN THIS MAP (PRIOR TO SPECIFIC DATE OR COMPLETION OF AN EVENT, AS APPROVED BY THE COUNTY SURVEYOR, AND ALL SUCH MONUMENTS ARE OR WILL BE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED (SEE LEGEND ON SHEET 2).

I HEREBY STATE THAT THIS PARCEL MAP SUBSTANTIALLY CONFORMS TO THE APPROVED OR CONDITIONALLY APPROVED TENTATIVE MAP, IF ANY.

SIGNED Chris Dodds
CHRIS DODDS
LIC. EXP. 6-30-04
LS 5770

PROFESSIONAL LAND SURVEYOR CHRIS DODDS L.S. 5770 Exp. 6-30-04 STATE OF CALIFORNIA

I, PHILIP J. GURBINO, COUNTY SURVEYOR OF SAN DIEGO COUNTY, STATE THAT THIS MAP DOES NOT APPEAR TO BE A MAP OF A MAJOR SUBDIVISION FOR WHICH A FINAL MAP IS REQUIRED PURSUANT TO SECTION 66426 OF THE SUBDIVISION MAP ACT. I FURTHER STATE THAT THIS PARCEL MAP CONFORMS THE THE TENTATIVE PARCEL MAP AND APPROVED ALTERATIONS THEREOF AND THAT ALL PROVISIONS OF DIVISION 1 OF TITLE 8 OF THE SAN DIEGO COUNTY CODE HAVE BEEN COMPLIED WITH. THIS MAP CONFORMS WITH THE REQUIREMENTS OF THE SUBDIVISION MAP ACT AND LOCAL ORDINANCE. I HAVE EXAMINED THIS MAP AND AM SATISFIED THAT IT IS TECHNICALLY CORRECT.

PHILIP J. GURBINO, P.L.S. 4424
COUNTY SURVEYOR

Philip J. Gurbino
DATE 9-19-02

LICENSED LAND SURVEYOR PHILIP J. GURBINO Exp. 9-30-05 NO. LS4424 STATE OF CALIFORNIA

FILE NO. 02-1095 FILED THIS 8th DAY OF NOVEMBER AT 1:03 O'CLOCK IN BOOK OF PARCEL MAPS AT PAGE 19095 AT THE REQUEST OF DODDS AND ASSOCIATES

GREGORY J. SMITH
COUNTY RECORDER
BY _____ FEE $16.00
DEPUTY COUNTY RECORDER

REC Consultants, Inc.
Civil Engineering - Environmental
7445 Mission Valley Road, Suite 109
San Diego, CA 92108
(619)688-0305 (619)294-9304 Fax

GRADING PLAN L- NONE TPM 20044
CALIF. COORD. INDEX 334-1779(X)(CLS27)

P:\Locad\haleyranch\map_1.dwg 09/18/02 02:17:20 PM PDT

SDGE0123698

PARCEL MAP NO. 19095

SHEET 2 OF 5 SHEETS

PROCEDURE OF SURVEY

LEGEND

- ● FOUND 2" IRON PIPE W/DISC STAMPED L.S. 4670, PER ROS 10225 UNLESS OTHER WISE NOTED.
- ■ FOUND 1" IRON PIPE W/DISC STAMPED "DIV. HWYS" PER MS 766 & ROS 10225.
- ▲ FOUND 1" IRON PIPE & "CAL DOT" DISC PER ROS 14300, UNLESS OTHERWISE NOTED.
- ○ INDICATES SET 2"X24" IRON PIPE AND TAG STAMPED "LS 5770"
- < > INDICATES RECORD VALUES PER ROS 14300 UNLESS OTHERWISE NOTED.
- ( ) INDICATES RECORD VALUES PER ROS 10225 UNLESS OTHERWISE NOTED.
- [ ] INDICATES RECORD VALUES PER FINAL ORDER OF CONDEMNATION RECORDED 8-5-92 AS FILE NO. 1992-0352799.
- (RAD) INDICATES RADIAL BEARING
- INDICATES ACCESS RIGHTS FROM PARCELS 1, 2 AND 3 IN SAN PASQUAL VALLEY ROAD (EXCEPTING THEREFROM ACCESS OPENINGS NO. 1, AND 2) ARE RELINQUISHED AND WAIVED AND ACCEPTED HEREON.
- [A] INDICATES EASEMENT FOR THE RIGHT TO EXTEND AND MAINTAIN DRAINAGE FACILITIES, EXCAVATION AND EMBANKMENT SLOPES BEYOND THE LIMITS OF THE EXISTING RIGHT-OF-WAY OF SAN PASQUAL VALLEY ROAD (SR 78) DEDICATED AND REJECTED HEREON.

MONUMENTATION NOTE
UNLESS OTHERWISE SHOWN ON THIS MAP, ALL LOT CORNERS ARE MONUMENTED BY A 1/2" X 18" IRON PIPE WITH PLASTIC CAP STAMPED "RCE 30592".

BASIS OF BEARINGS
THE BASIS OF BEARINGS FOR THIS SURVEY IS THE NAD 83, ZONE 6, GRID BEARING BETWEEN STATION 78-26.72 CHD AND STATION ROCKWOOD, AS SAID STATIONS ARE PUBLISHED IN THE SAN DIEGO COUNTY HORIZONTAL CONTROL BOOK. I.E. N40°34'58"E.

SOLAR NOTE
ALL LOTS WITHIN THIS SUBDIVISION HAVE A MINIMUM OF 100 SQUARE FEET OF SOLAR ACCESS FOR EACH EXISTING AND/OR PROPOSED DWELLING UNIT AS REQUIRED BY SECTION 81.401(m) OF THE SUBDIVISION ORDINANCE.

RBF Consultants, Inc.
Civil Engineering · Environmental
7449 Mission Valley Road, Suite 100
San Diego, CA 92108
(619)688-0305 (619)294-9394 Fax

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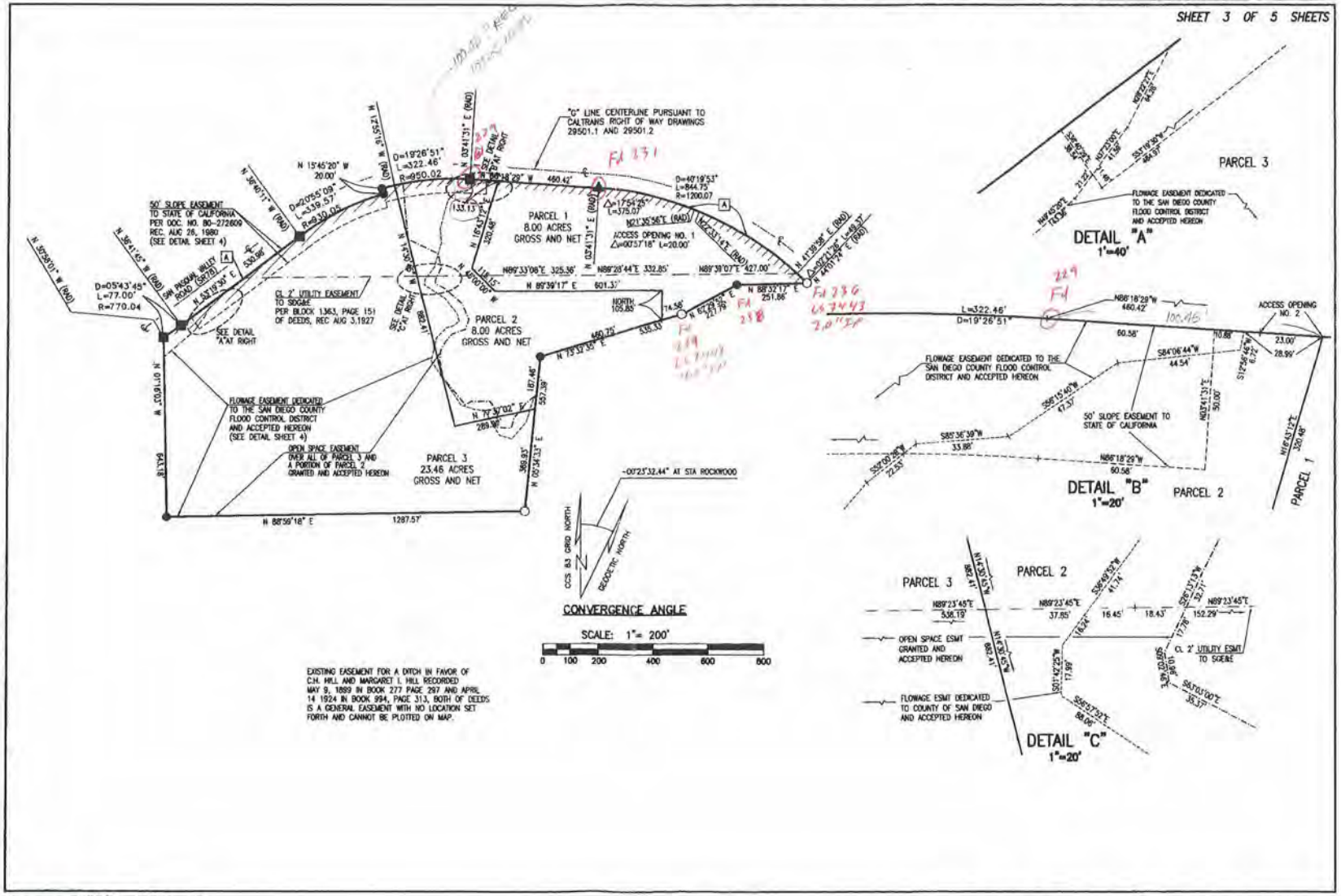
CALIF. COOR. INDEX 334-4779(X)(CCS27)

P:\Acad\HaleyRanch\msp_2A.dwg 09/18/02 02:41:07 PM PDT

SDGE0123699

PARCEL MAP NO. 19095

SHEET 3 OF 5 SHEETS



P:\acad\valleyranch\map_3.dwg 09/18/02 03:13:35 PM PDT

REC Consultants, Inc.
Civil Engineering · Environmental
7445 Mission Valley Road, Suite 109
San Diego, CA 92108
(619)688-0305 (619)294-0394 Fax

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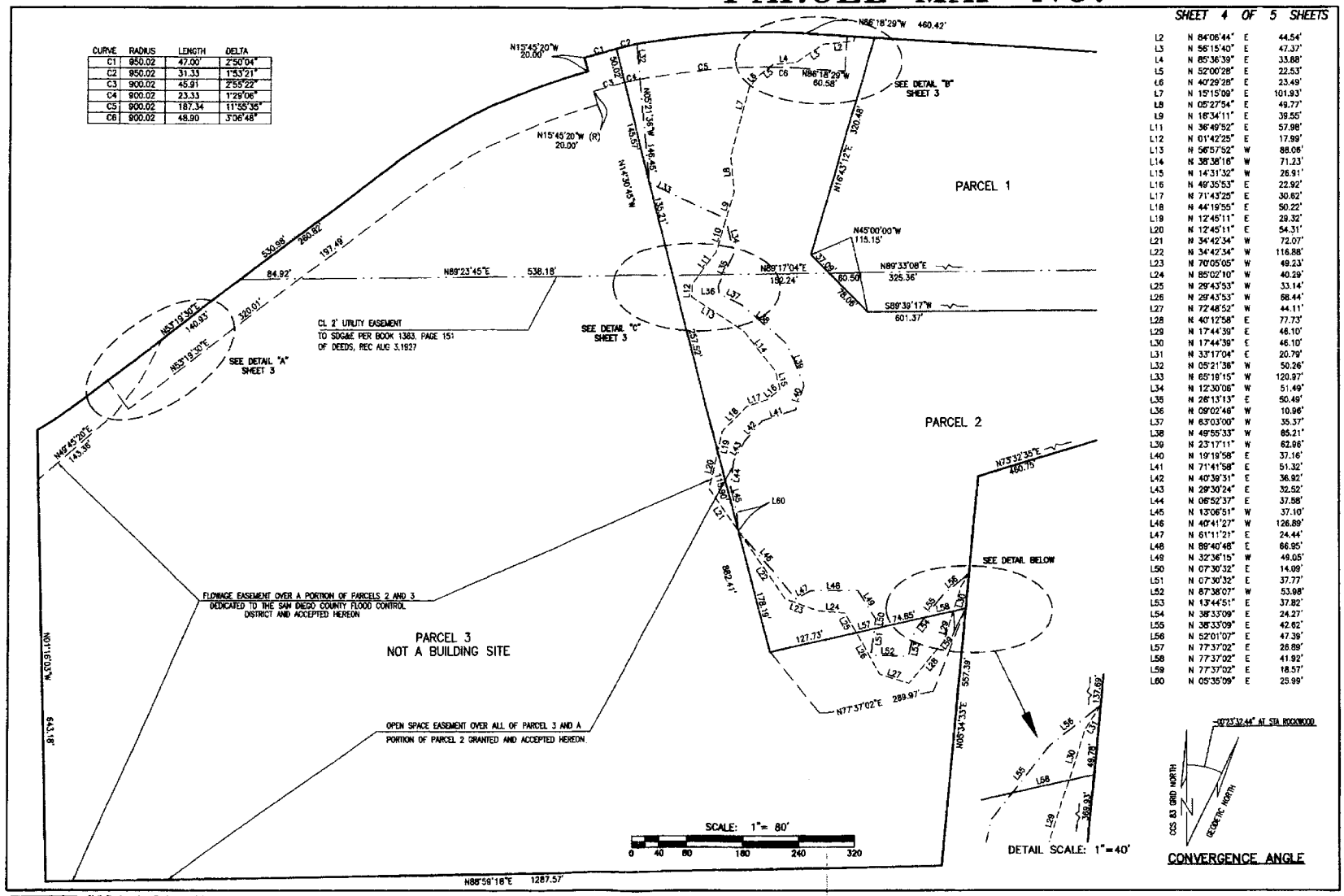
CALIF. COOR. INDEX 334-1779(X)(CCS27)

SDGE0123700

PARCEL MAP NO. 19095

SHEET 4 OF 5 SHEETS



CURVE	RADIUS	LENGTH	DELTA
C1	950.02	47.00'	2°50'04"
C2	950.02	31.33	1°53'21"
C3	900.02	45.91	2°55'22"
C4	900.02	23.33	1°29'06"
C5	900.02	187.34	11°55'35"
C6	900.02	48.90	3°06'48"

L2	N 84°06'44"	E	44.54'
L3	N 56°15'40"	E	47.37'
L4	N 85°36'39"	E	33.88'
L5	N 52°00'28"	E	22.53'
L6	N 40°29'28"	E	23.49'
L7	N 15°15'09"	E	101.93'
L8	N 05°27'54"	E	49.77'
L9	N 18°34'11"	E	39.55'
L11	N 36°49'52"	E	57.98'
L12	N 01°42'25"	E	17.99'
L13	N 56°57'52"	W	88.06'
L14	N 38°38'16"	W	71.23'
L15	N 14°31'32"	W	26.91'
L16	N 49°35'53"	E	22.92'
L17	N 71°43'25"	E	30.62'
L18	N 44°19'55"	E	50.22'
L19	N 12°45'11"	E	29.32'
L20	N 12°45'11"	E	54.31'
L21	N 34°42'34"	W	72.07'
L22	N 34°42'34"	W	116.88'
L23	N 76°05'05"	W	49.23'
L24	N 85°02'10"	W	40.29'
L25	N 29°43'53"	W	33.14'
L26	N 29°43'53"	W	88.44'
L27	N 72°46'52"	W	44.11'
L28	N 40°12'58"	E	72.73'
L29	N 17°44'39"	E	46.10'
L30	N 17°44'39"	E	46.10'
L31	N 33°17'04"	E	20.79'
L32	N 05°21'36"	W	50.26'
L33	N 65°19'15"	W	120.97'
L34	N 12°30'06"	W	51.49'
L35	N 26°13'13"	E	50.49'
L36	N 09°02'46"	W	10.96'
L37	N 63°03'00"	W	35.37'
L38	N 49°55'33"	W	85.21'
L39	N 23°17'11"	W	62.66'
L40	N 19°19'58"	E	37.16'
L41	N 71°41'58"	E	51.32'
L42	N 40°39'31"	E	36.92'
L43	N 29°30'24"	E	32.52'
L44	N 06°52'37"	E	37.58'
L45	N 13°06'51"	W	37.10'
L46	N 40°41'27"	W	126.89'
L47	N 61°11'21"	E	24.44'
L48	N 89°40'48"	E	66.95'
L49	N 32°36'15"	W	49.05'
L50	N 07°30'32"	E	14.09'
L51	N 07°30'32"	E	37.77'
L52	N 87°38'07"	W	53.98'
L53	N 13°44'51"	E	24.27'
L54	N 38°33'09"	E	24.27'
L55	N 38°33'09"	E	42.62'
L56	N 52°01'07"	E	47.39'
L57	N 77°37'02"	E	26.89'
L58	N 77°37'02"	E	41.92'
L59	N 77°37'02"	E	18.57'
L60	N 05°35'09"	E	25.99'

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Consultants, Inc.

GRADING PLAN L- NONE TPM 20044

CALIF. COOR. INDEX 334-4779(X)(CCS27)

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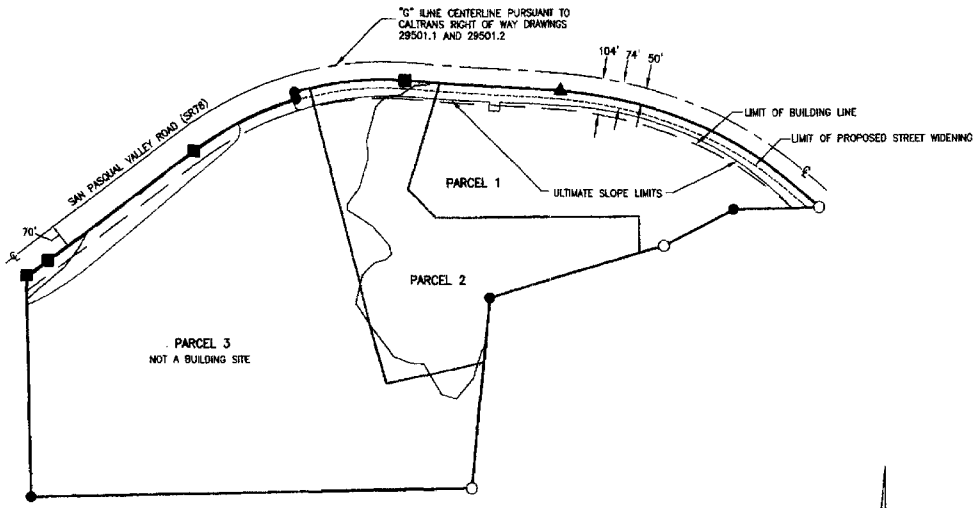
SDGE0123701

PARCEL MAP NO. 19095

SHEET 5 OF 5 SHEETS

NON-TITLE INFORMATION



LEGEND

APPROXIMATE AREA SUBJECT TO INUNDATION BY 100-YEAR FLOOD

NOTE A: INFORMATION SHOWN ON THIS SHEET IS ADVISORY ONLY AND IS NOT INTENDED TO AFFECT RECORD TITLE INTEREST.

NOTE B: INFORMATION SHOWN HEREON IS COMPILED FROM PUBLIC RECORDS OR REPORTS AND ITS INCLUSION IN THIS MAP DOES NOT IMPLY THE CORRECTNESS OR SUFFICIENCY OF THESE RECORDS OR REPORTS BY THE PREPARER OF THIS MAP.

N

1"= 200'

P:\ucad\heleyranch\mcp_5.dwg 09/18/02 03:38:02 PM PDT

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7445 Mission Valley Road, Suite 109
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(619)688-0305 (619)294-8394 Fax

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CALIF. COOR. INDEX 334-4779(X)(CCS27)

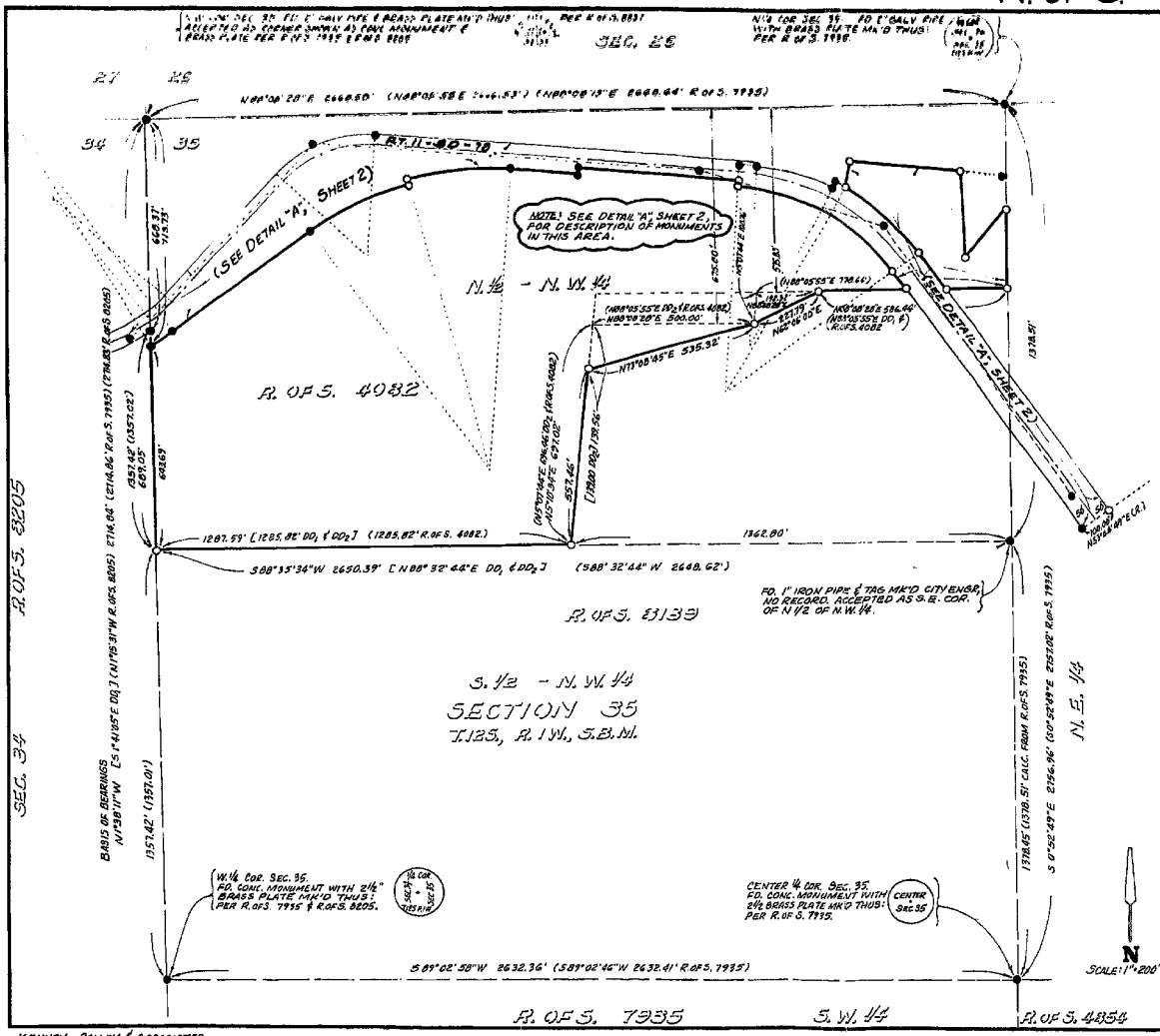
SDGE0123702

R. OF S. MAP NO. 10225

SHEET 1 OF 3 SHEETS

RECORD OF SURVEY

OF A PORTION OF THE N½ OF THE N.W.¼ OF SECTION 35 T.12S., R.1W., S.B.M. CITY OF SAN DIEGO, SAN DIEGO COUNTY, CALIFORNIA



LEGEND:

- ● INDICATES POINTS FOUND AND DESCRIBED HEREON.
- O INDICATES SET 2"X24" IRON PIPE WITH DISC MK'D "L.S. 4670"
- ( ) INDICATES RECORD VALUES PER R. OF S. 4082 UNLESS OTHERWISE NOTED.
- [ ] INDICATES RECORD VALUES PER DEED AS NOTED.
- DD, DEED DATA PER F/P 116849, REC. 7-3-63, OFFICIAL RECORDS.
- DD2 DEED DATA PER F/P 116850, REC. 7-3-63, OFFICIAL RECORDS.

NOTE: SEE SHEET 3 FOR VICINITY MAP.

BASIS OF BEARINGS:
THE BASIS OF BEARINGS FOR THIS SURVEY IS THE WEST LINE OF THE N.W.¼ OF SECTION 35, T.12S., R.1W., S.B.M., PER R. OF S. 7935; I.E. N 1°38'11" W.

SURVEYOR'S STATEMENT:
THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE LAND SURVEYOR'S ACT AT THE REQUEST OF JUSTINE B. FENTON, APRIL THROUGH JULY 1985.

Brian Polley
BRIAN POLLEY, L. S. 4670

LICENSED LAND SURVEYOR BRIAN POLLEY L.S. 4670 STATE OF CALIFORNIA

COUNTY ENGINEER'S STATEMENT:
THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE LAND SURVEYOR'S ACT THIS 19TH DAY OF SEPTEMBER 1985.

H. E. SORLIE
ACTING COUNTY ENGINEER
R.C.E. 15889

BY Louis R. Hall
LOUIS R. HALL, L.S. 3439

LICENSED LAND SURVEYOR LOUIS R. HALL L. S. 3439 STATE OF CALIFORNIA

RECORDER'S CERTIFICATE
FILE NO. 85-334710
FILED THIS 30th DAY OF September 1985 AT 11:00 O'CLOCK A.M., IN BOOK OF RECORD OF SURVEY MAPS AT PAGE 10225 AT THE REQUEST OF BRIAN POLLEY.

VERA L. LYLE, COUNTY RECORDER

FEE: $9.00 RF
$1.00 MA

BY Susan Nimick
DEPUTY COUNTY RECORDER

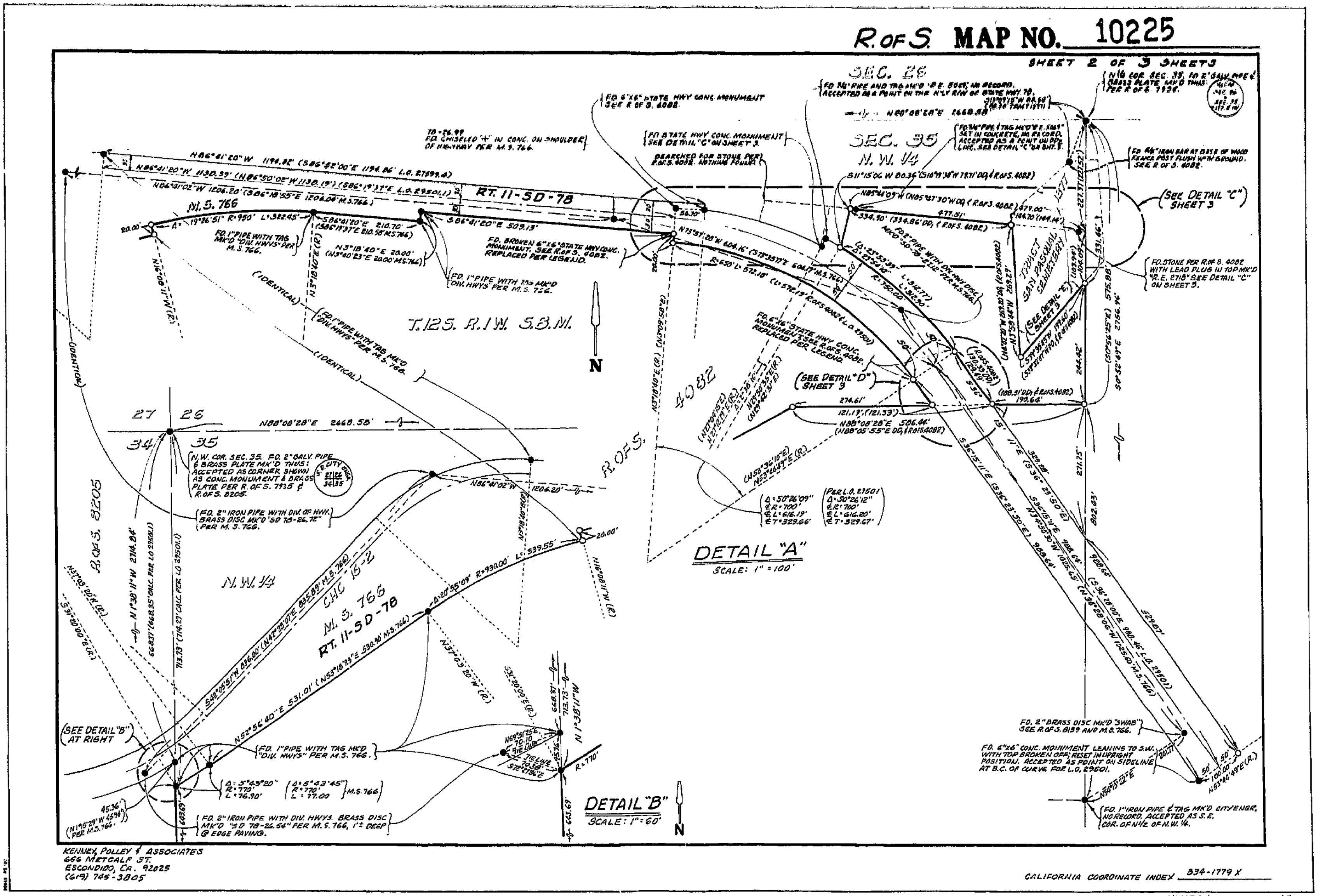
KENNEY, POLLEY & ASSOCIATES
656 METCALF ST.
ESCONDIDO, CA 92025
(619) 745-3805

CALIFORNIA COORDINATE INDEX 334-1779 X

FENTON

85-181

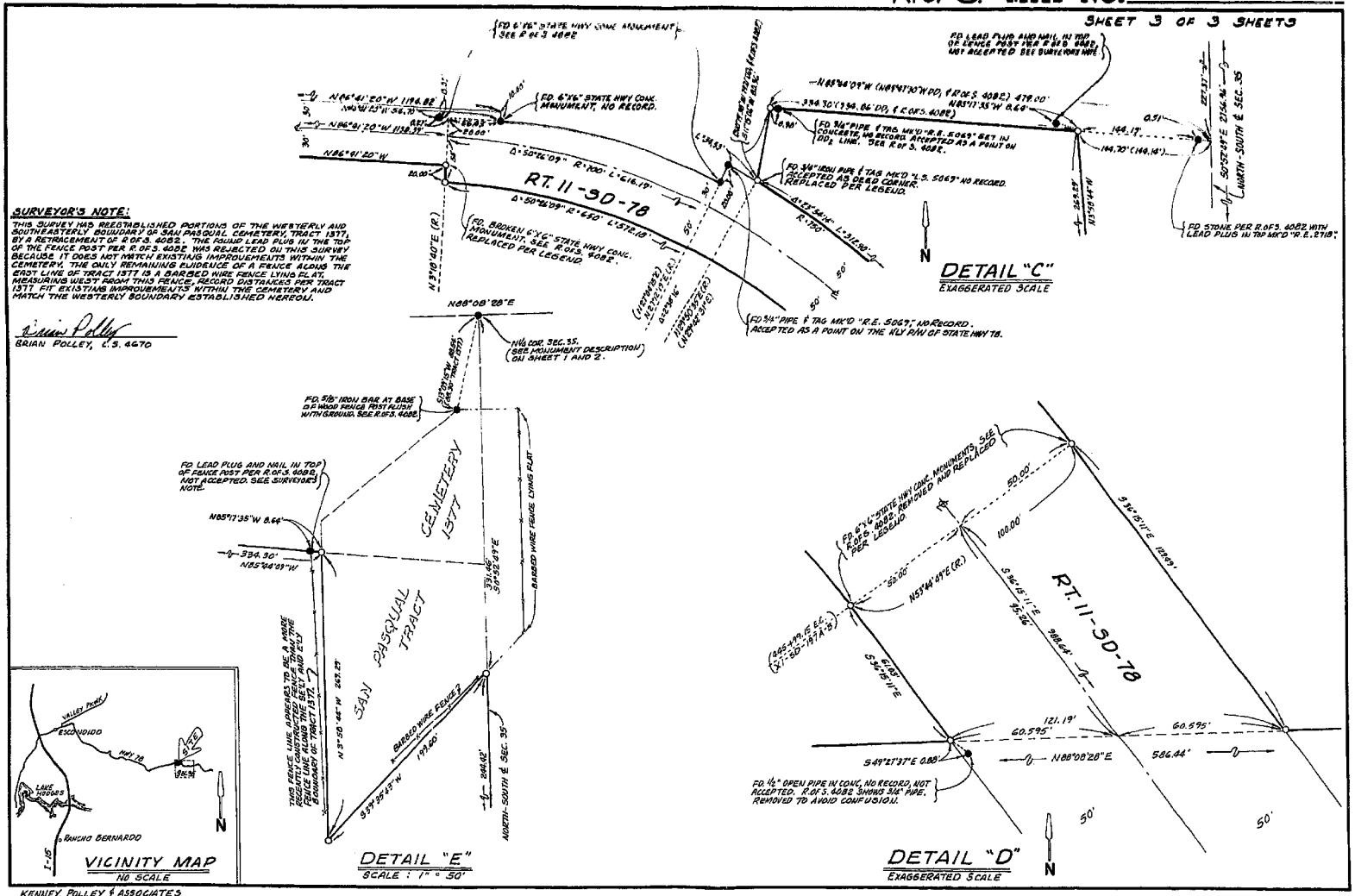
SDGE0123703



SDGE0123704

R. OF S. MAP NO. 10225

SHEET 3 OF 3 SHEETS



KENNEY, POLLEY & ASSOCIATES
696 METCALF ST.
ESCONDIDO, CA 92025
(619) 745-3805

CALIFORNIA COORDINATE INDEX 334-1779 X

85-161

SDGE0123705

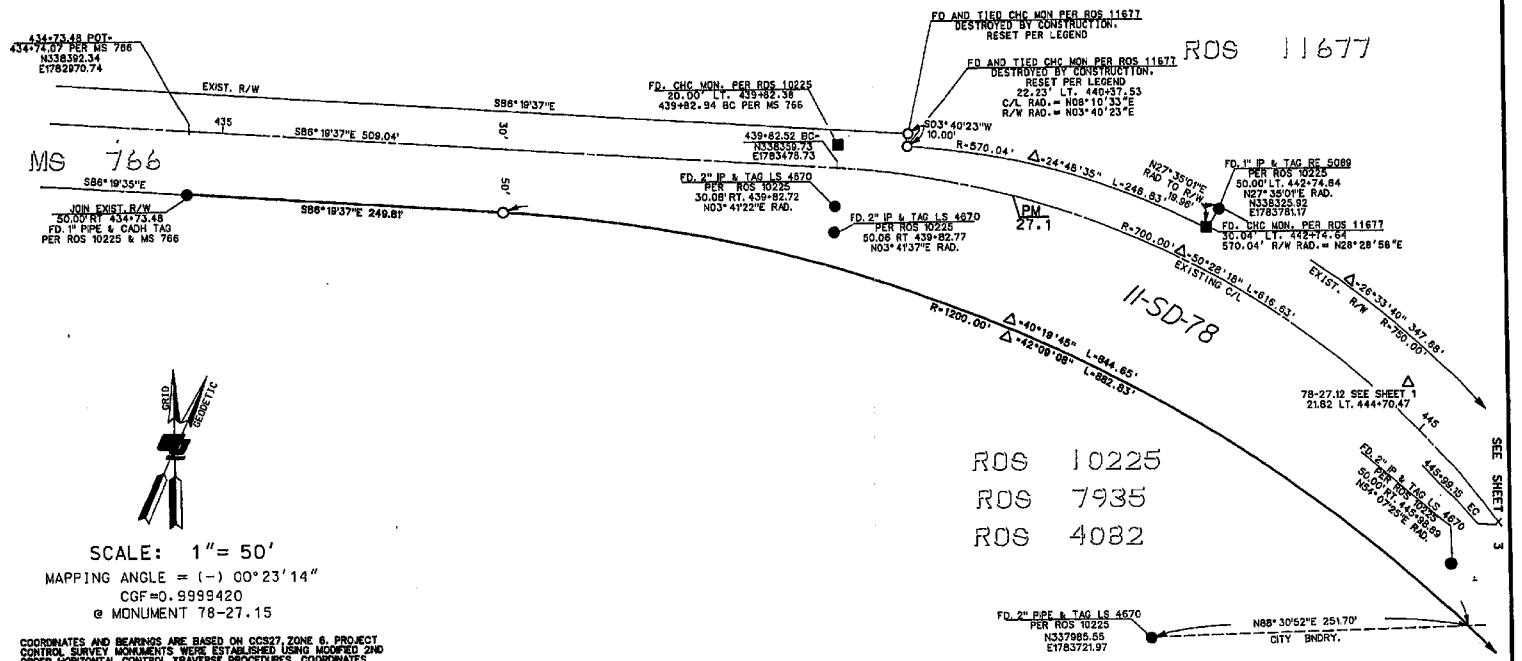
R.O.S. MAP NO. 14300

SHEET 2 OF 4 SHEETS

COUNTY OF SAN DIEGO

T. 12 S. R. 1 W. SBM.

SECTION 35



SCALE: 1"= 50'

MAPPING ANGLE = (-) 00°23'14"
CGF=0.9999420
@ MONUMENT 78-27.15

COORDINATES AND BEARINGS ARE BASED ON CCS27, ZONE 6. PROJECT CONTROL SURVEY MONUMENTS WERE ESTABLISHED USING MODIFIED 2ND ORDER HORIZONTAL CONTROL TRAVERSE PROCEDURES. COORDINATES SHOWN FOR RIGHT OF WAY, CENTERLINE AND FOUND POINT MONUMENTS WERE DERIVED FROM FIELD TIES TO SAID CONTROL MONUMENTS. THEY ARE FOR INFORMATION ONLY, AND ARE NOT INTENDED TO BE USED IN THE EXTENSION OF THE CALIFORNIA COORDINATE SYSTEM.

DISTANCES AND STATIONING ARE GRID DISTANCES. MULTIPLY BY 1.000058 TO OBTAIN GROUND DISTANCES.

ALL DISTANCES REFERENCED TO RECORD DOCUMENTS OR MAPS ARE GROUND DISTANCES, UNLESS NOTED OTHERWISE.

78-27_2 EA 181152 MAY 1993

CALIFORNIA COORDINATE INDEX: 338-1779

A.P.N.: 242-11

SDGE0123706

1	Mar 20, 28
Construction of line completed 5/27	

SAN DIEGO CONSOLIDATED GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA
BYLLESBY ENGINEERING AND MANAGEMENT CORPORATION

SAN PASQUAL
11 K.V. TIE LINE

SCALE 1" 200'

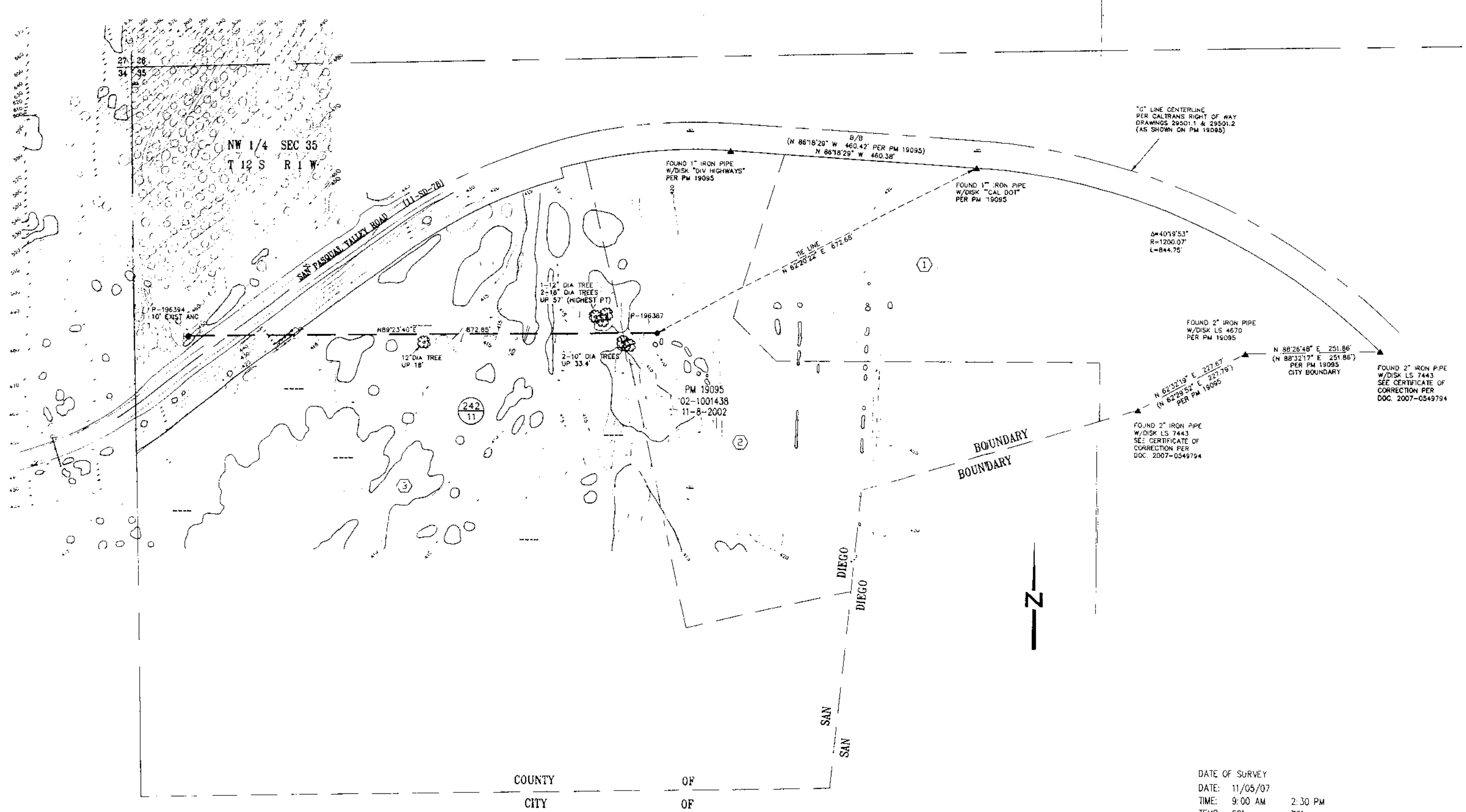
DRAWN BY J. A. CROSIER
TRACED BY LINDERFELT

A-3432

RECEIVED
San Diego Gas & Electric Company
MAY 8 1980
MICROFILMED

M

SDGE012707



DATE OF SURVEY
DATE: 11/05/07
TIME: 9:00 AM 2:30 PM
TEMP: 62° 76°

TOPOGRAPHY PREPARED BY PROJECT DESIGN CONSULTANTS PHOTOGRAMMETRY DEPARTMENT. DATE OF PHOTOGRAPHY: 12/04/07

BASIS OF BEARINGS/COORDINATES: CCS NAD'83 BASED ON NGS PUBLISHED COORDINATES OF 1ST ORDER PT. ROCKWOOD (EPOCH 1991.35) (N1978223.75,E6342997.35) AND TRANSLATED USING NGS HTDP TO AN ADJUSTED VALUE (ON 11-27-07) OF N1978225.504, E6342995.980. A CHECK TO SD GPS 32 (2007 EPOCH) YIELDED A 0.15' HORIZONTAL ERROR.

BENCHMARK: PT ROCKWOOD WITH A NGVD'29 COUNTY PUBLISHED ELEVATION (1ST ORDER) OF 438.30'. USING CORPSCON (VERTCON), A NAVD'88 VALUE OF 4-0.43' WAS OBTAINED AND HELD.

THIS PLAT WAS PREPARED BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE LAND SURVEYOR'S ACT ON NOVEMBER 9, 2007.

Paul G Robotta 2/15/08
PAUL G. ROBOTTA LS 5334

LICENSED LAND SURVEYOR
PAUL G. ROBOTTA
No. 5334
EXP. 12-31-09
STATE OF CALIFORNIA

REF: R OF S 14300
R OF S 10225
PM 19095

SHEET 1 OF 2 SHEETS

SAN DIEGO GAS & ELECTRIC SAN DIEGO, CALIFORNIA	ORIGINATOR: D.LEBRECHT	OK TO INSTALL:	PROJECT NO.
GUEJITO FIRE SAN PASQUAL VALLEY ROAD SAN PASQUAL	SURVEYED BY: NOLTE/SWH	R/W OK:	CONST. NO.
	DRAWN BY: NOLTE/LAP	DATE:	DRAWING NO.
	DATE: 11-09-07	THOS. BROS. 1131-E6	
	SCALE: 1"=100'		

NO.	SUPPLEMENTS	DATE:	BY	APP'D
1	CHANGED DRAWING NAME	12/10/07	PGR	
2	REVISED DRAWING LOCATION TO PDC TOPO	02/13/08	LAP	

NOLTE SDGE TB 36X22

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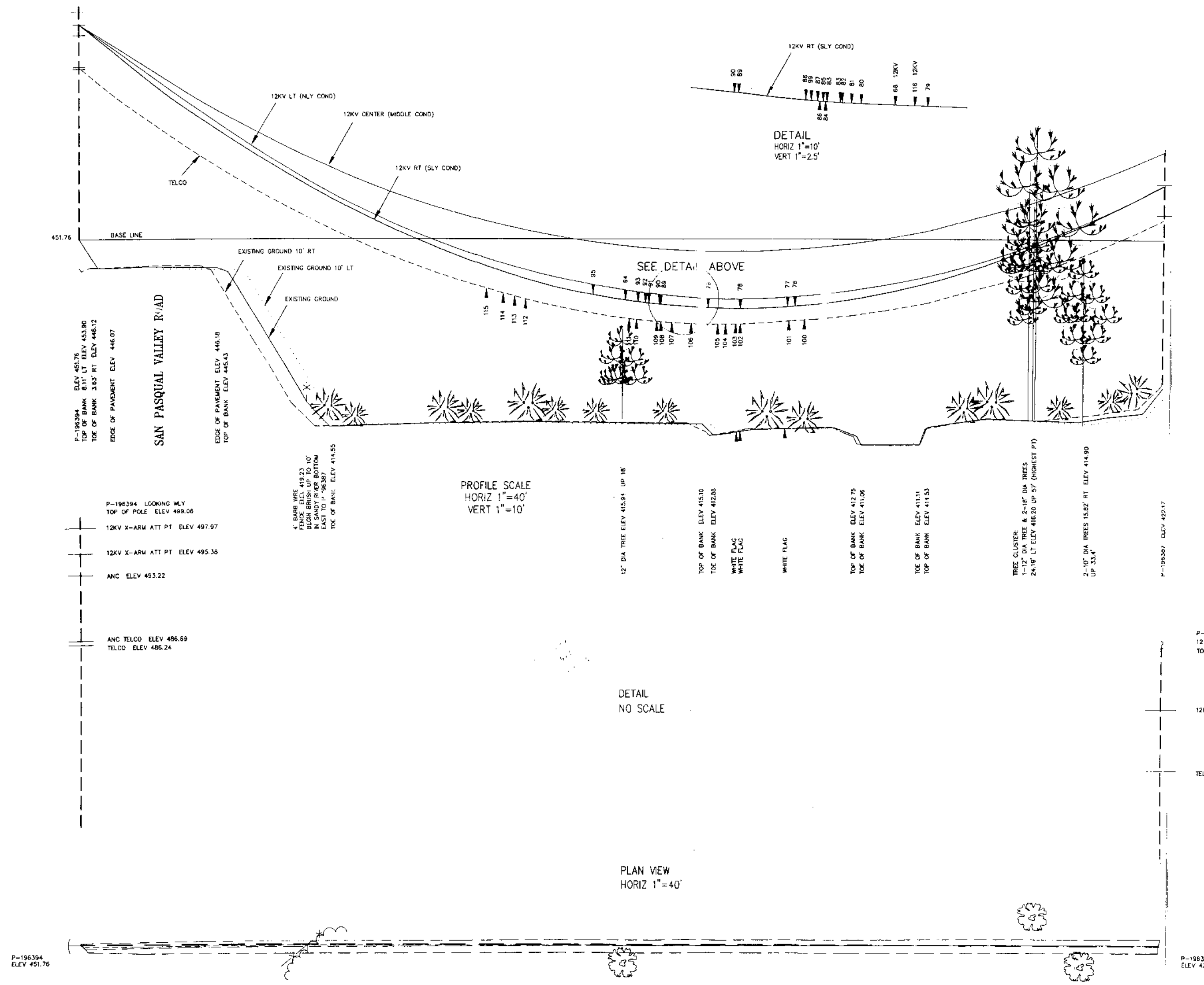

NUMBERS INDICATE FIELD SURVEY POINT NUMBER

SLY CONDUCTOR (WEST TO EAST)	ELEV	TELCO (WEST TO EAST)	ELEV
95 SPLICE IN COND	440.9	115 LASHING BREAK WEST END	422.0
94 NICK IN COND	439.8	114 LASHING BREAK EAST END	441.1
93 NICK IN COND	439.4	113 LASHING BREAK WEST END	440.5
92 PIECE OF LASHING	439.2	112 LASHING BREAK EAST END	439.9
91 NICK IN COND	439.2	111 LASHING BREAK WEST END	436.1
90 NICK IN COND	439.0	110 LASHING BREAK EAST END	436.0
89 NICK IN COND	438.9	109 LASHING BREAK WEST END	435.6
88 NICK IN COND	438.6	108 LASHING BREAK EAST END	435.5
99 12KV DAMAGE LOCATION	415.5	107 LASHING BREAK WEST END	435.3
87 NICK IN COND	438.6	106 LASHING BREAK EAST END	435.0
86 NICK IN COND	438.6	105 LASHING BREAK WEST END	434.9
85 NICK IN COND	438.5	104 LASHING BREAK EAST END	434.8
84 NICK IN COND	438.5	103 LASHING BREAK WEST END	434.8
83 PIECE OF LASHING	438.5	102 LASHING BREAK EAST END	434.8
82 NICK IN COND	438.5	101 LASHING BREAK WEST END	434.9
81 NICK IN COND	438.4	100 LASHING BREAK EAST END	435.2
80 NICK IN COND	438.4		
79 NICK IN COND	438.3		
78 PIECE OF LASHING	438.1		
77 NICK IN COND	438.4		
76 PIECE OF LASHING	438.5		

SHEET 2 OF 2 SHEETS

SAN DIEGO GAS & ELECTRIC
SAN DIEGO, CALIFORNIA

GUEJITO FIRE
SAN PASQUAL VALLEY ROAD
SAN PASQUAL

ORIGINATOR: D.LEBRECHT	OK TO INSTALL:	PROJECT NO.	
SURVEYED BY: NOLTE/SWH	R/W OK:	CONST. NO.	
DRAWN BY: NOLTE/LAP	DATE:		
DATE: 11-09-07	THOS. BROS. 1131-E6	DRAWING NO.	
SCALE: 1"=40'			

NO.	SUPPLEMENTS	DATE:	BY	APP'D
1	CHANGED DRAWING NAME	12/10/07	PGR	
2	REVISED DRAWING LOCATION TO PDC TOPO	02/13/08	LAP	

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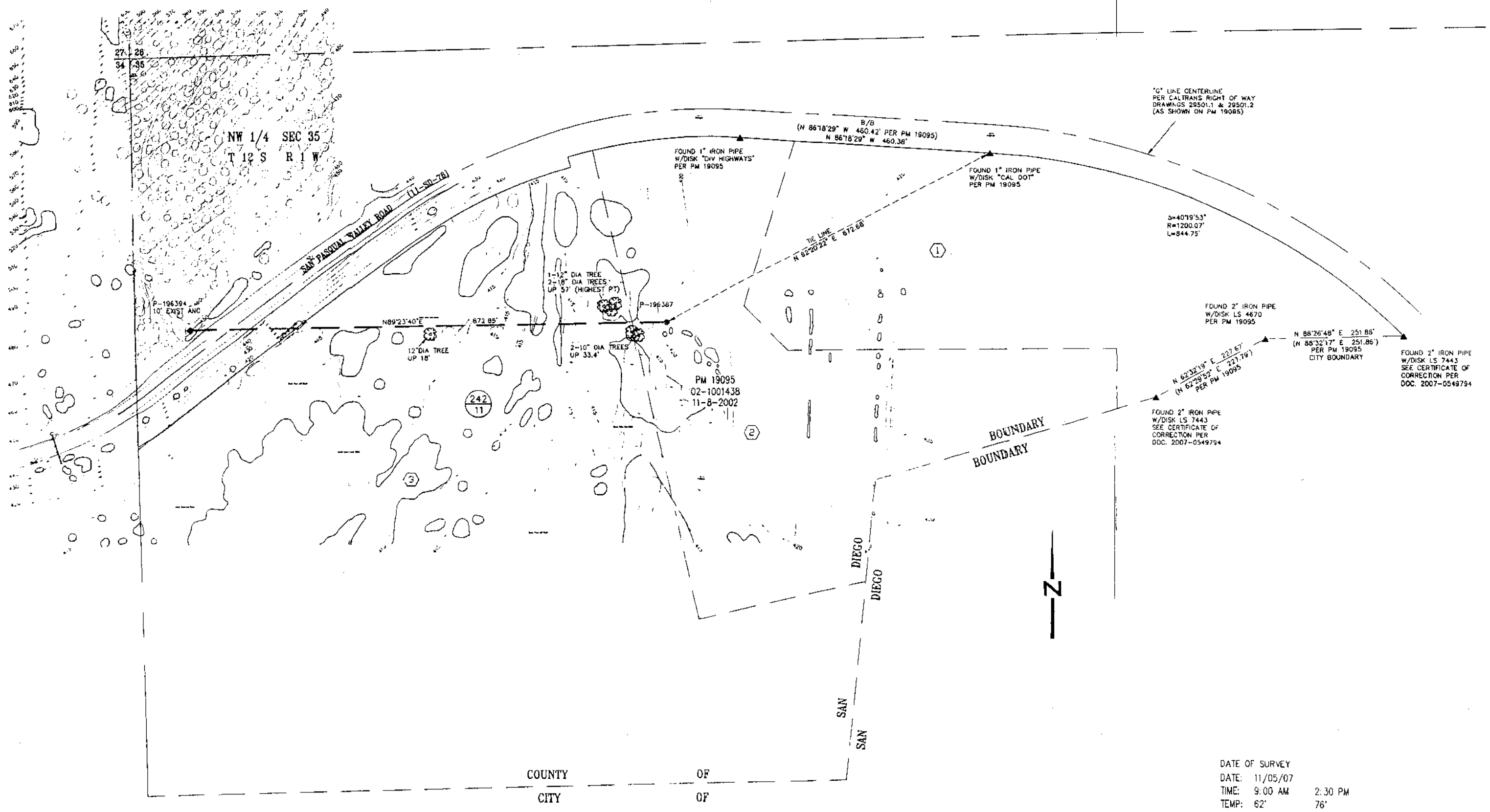

DATE OF SURVEY
DATE: 11/05/07
TIME: 9:00 AM 2:30 PM
TEMP: 62' 76'

TOPOGRAPHY PREPARED BY PROJECT DESIGN CONSULTANTS PHOTOGRAMMETRY DEPARTMENT. DATE OF PHOTOGRAPHY: 12/04/07

BASIS OF BEARINGS/COORDINATES: CCS NAD'83 BASED ON NGS PUBLISHED COORDINATES OF 1ST ORDER PT. ROCKWOOD (EPOCH 1991.35) (N1978223.75,E6342997.15) AND TRANSLATED USING NGS HTDP TO AN ADJUSTED VALUE (ON 11-27-07) OF N1978225.504, E6342995.980. A CHECK TO SD GPS 32 (2007 EPOCH) YIELDED A 0.15' HORIZONTAL ERROR.

BENCHMARK: PT ROCKWOOD WITH A NGVD'29 COUNTY PUBLISHED ELEVATION (1ST ORDER) OF 438.30'. USING CORPSCON (VERTCON). A NAVD'88 VALUE OF 4-0.43' WAS OBTAINED AND HELD.

THIS PLAT WAS PREPARED BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE LAND SURVEYOR'S ACT ON NOVEMBER 9, 2007.

Paul G Robotta 2/15/08

PAUL G. ROBOTTA LS 5334

LICENSED LAND SURVEYOR PAUL G. ROBOTTA No. 5334 EXP. 12-31-09 STATE OF CALIFORNIA

REF: R OF S 14300
R OF S 10225
PM 19095

SHEET 1 OF 2 SHEETS

SAN DIEGO GAS & ELECTRIC, SAN DIEGO, CALIFORNIA	ORIGINATOR: D.LEBRECHT	OK TO INSTALL:	PROJECT NO.
GUEJITO FIRE SAN PASQUAL VALLEY ROAD SAN PASQUAL	SURVEYED BY: NOLTE/SWH	R/W OK:	CONST. NO.
	DRAWN BY: NOLTE/LAP	DATE:	
	DATE: 11-09-07	THOS. BROS. 1131-E6	DRAWING NO.
	SCALE: 1"=100'		

NO.	SUPPLEMENTS	DATE:	BY	APP'D
1	CHANGED DRAWING NAME	12/10/07	PGR	
2	REVISED DRAWING LOCATION TO PDC TOPO	02/13/08	LAP	

NOLTE SDGE TB 36X22

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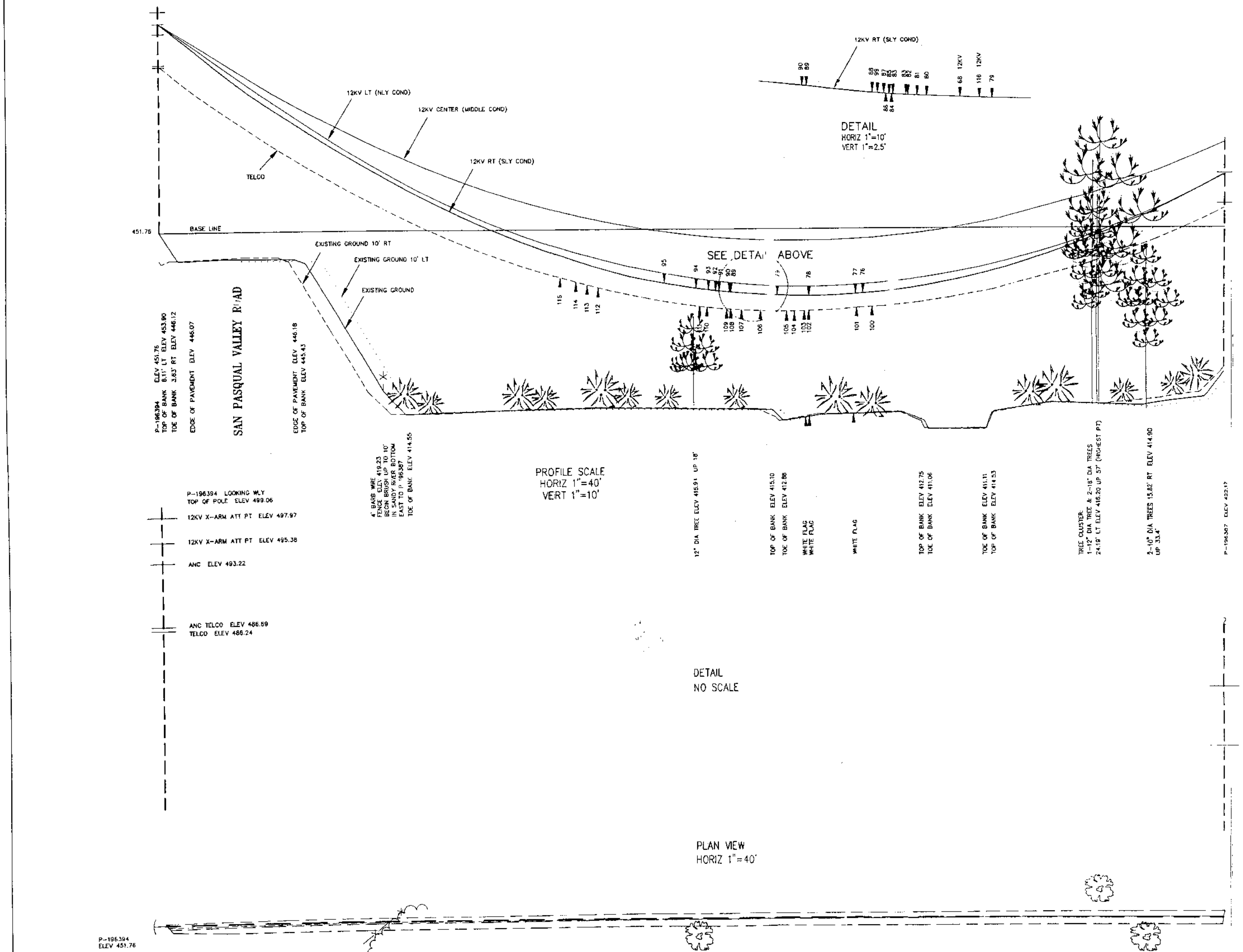

NUMBERS INDICATE FIELD SURVEY POINT NUMBER

SLY CONDUCTOR (WEST TO EAST)	ELEV	TELCO (WEST TO EAST)	ELEV
95 SPLICE IN COND	440.9	115 LASHING BREAK WEST END	422.0
94 NICK IN COND	439.8	114 LASHING BREAK EAST END	441.1
93 NICK IN COND	439.4	113 LASHING BREAK WEST END	440.5
92 PIECE OF LASHING	439.2	112 LASHING BREAK EAST END	439.9
91 NICK IN COND	439.2	111 LASHING BREAK WEST END	436.1
90 NICK IN COND	439.0	110 LASHING BREAK EAST END	436.0
89 NICK IN COND	438.9	109 LASHING BREAK WEST END	435.6
88 NICK IN COND	438.6	108 LASHING BREAK EAST END	435.5
99 12KV DAMAGE LOCATION	415.5	107 LASHING BREAK WEST END	435.3
87 NICK IN COND	438.6	106 LASHING BREAK EAST END	435.0
86 NICK IN COND	438.6	105 LASHING BREAK WEST END	434.9
85 NICK IN COND	438.5	104 LASHING BREAK EAST END	434.8
84 NICK IN COND	438.5	103 LASHING BREAK WEST END	434.8
83 PIECE OF LASHING	438.5	102 LASHING BREAK EAST END	434.8
82 NICK IN COND	438.5	101 LASHING BREAK WEST END	434.9
81 NICK IN COND	438.4	100 LASHING BREAK EAST END	435.2
80 NICK IN COND	438.4		
79 NICK IN COND	438.3		
78 PIECE OF LASHING	438.1		
77 NICK IN COND	438.4		
76 PIECE OF LASHING	438.5		

SHEET 2 OF 2 SHEETS

SAN DIEGO GAS & ELECTRIC SAN DIEGO, CALIFORNIA	ORIGINATOR: D.LEBRECHT	OK TO INSTALL:	PROJECT NO.
GUEJITO FIRE SAN PASQUAL VALLEY ROAD SAN PASQUAL	SURVEYED BY: NOLTE/SWH	R/W OK:	CONST. NO.
	DRAWN BY: NOLTE/LAP	DATE:	DRAWING NO.
	DATE: 11-09-07	THOS. BROS. 1131-E6	
	SCALE: 1"=40'		

NO.	SUPPLEMENTS	DATE:	BY	APP'D
1	CHANGED DRAWING NAME	12/10/07	PGR	
2	REVISED DRAWING LOCATION TO PDC TOPO	02/13/08	LAP	

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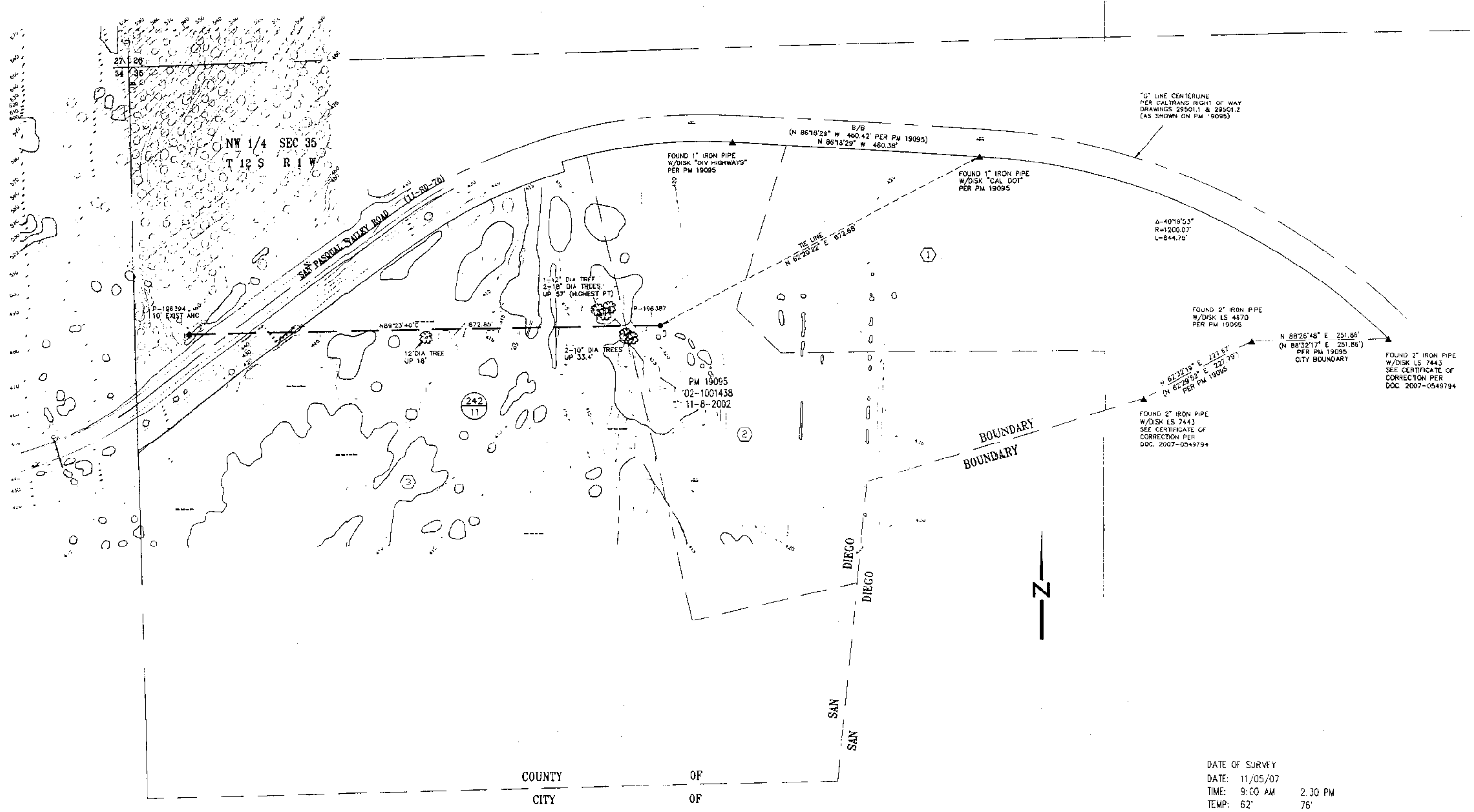

DATE OF SURVEY
DATE: 11/05/07
TIME: 9:00 AM 2:30 PM
TEMP: 62° 76°

TOPOGRAPHY PREPARED BY PROJECT DESIGN CONSULTANTS PHOTOGRAMMETRY DEPARTMENT. DATE OF PHOTOGRAPHY: 12/04/07

BASIS OF BEARINGS/COORDINATES: CCS NAD'83 BASED ON NGS PUBLISHED COORDINATES OF 1ST ORDER PT. ROCKWOOD (EPOCH 1991.35) (N1978223.75,E6342997.35) AND TRANSLATED USING NGS HTDP TO AN ADJUSTED VALUE (ON 11-27-07) OF N1978225.504, E6342995.980. A CHECK TO SD GPS 32 (2007 EPOCH) YIELDED A 0.15' HORIZONTAL ERROR.

BENCHMARK: PT ROCKWOOD WITH A NGVD'29 COUNTY PUBLISHED ELEVATION (1ST ORDER) OF 438.30'. USING CORPSCON (VERTCON), A NAVD'88 VALUE OF +0.43' WAS OBTAINED AND HELD.

THIS PLAT WAS PREPARED BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE LAND SURVEYOR'S ACT ON NOVEMBER 9, 2007.

Paul G Robotta 2/15/08
PAUL G. ROBOTTA LS 5334

LICENSED LAND SURVEYOR
PAUL G. ROBOTTA
No. 5334
EXP. 12-31-09
STATE OF CALIFORNIA

REF: R OF S 14300
R OF S 10225
PM 19095

SHEET 1 OF 2 SHEETS

SAN DIEGO GAS & ELECTRIC SAN DIEGO, CALIFORNIA	ORIGINATOR: D.LEBRECHT	OK TO INSTALL:	PROJECT NO.
GUEJITO FIRE SAN PASQUAL VALLEY ROAD SAN PASQUAL	SURVEYED BY: NOLTE/SWH	R/W OK:	CONST. NO.
	DRAWN BY: NOLTE/LAP	DATE:	
	DATE: 11-09-07	THOS. BROS. 1131-E6	DRAWING NO.
	SCALE: 1"=100'		

NO.	SUPPLEMENTS	DATE:	BY	APP'D
1	CHANGED DRAWING NAME	12/10/07	PGR	
2	REVISED DRAWING LOCATION TO PDC TOPO	02/13/08	LAP	

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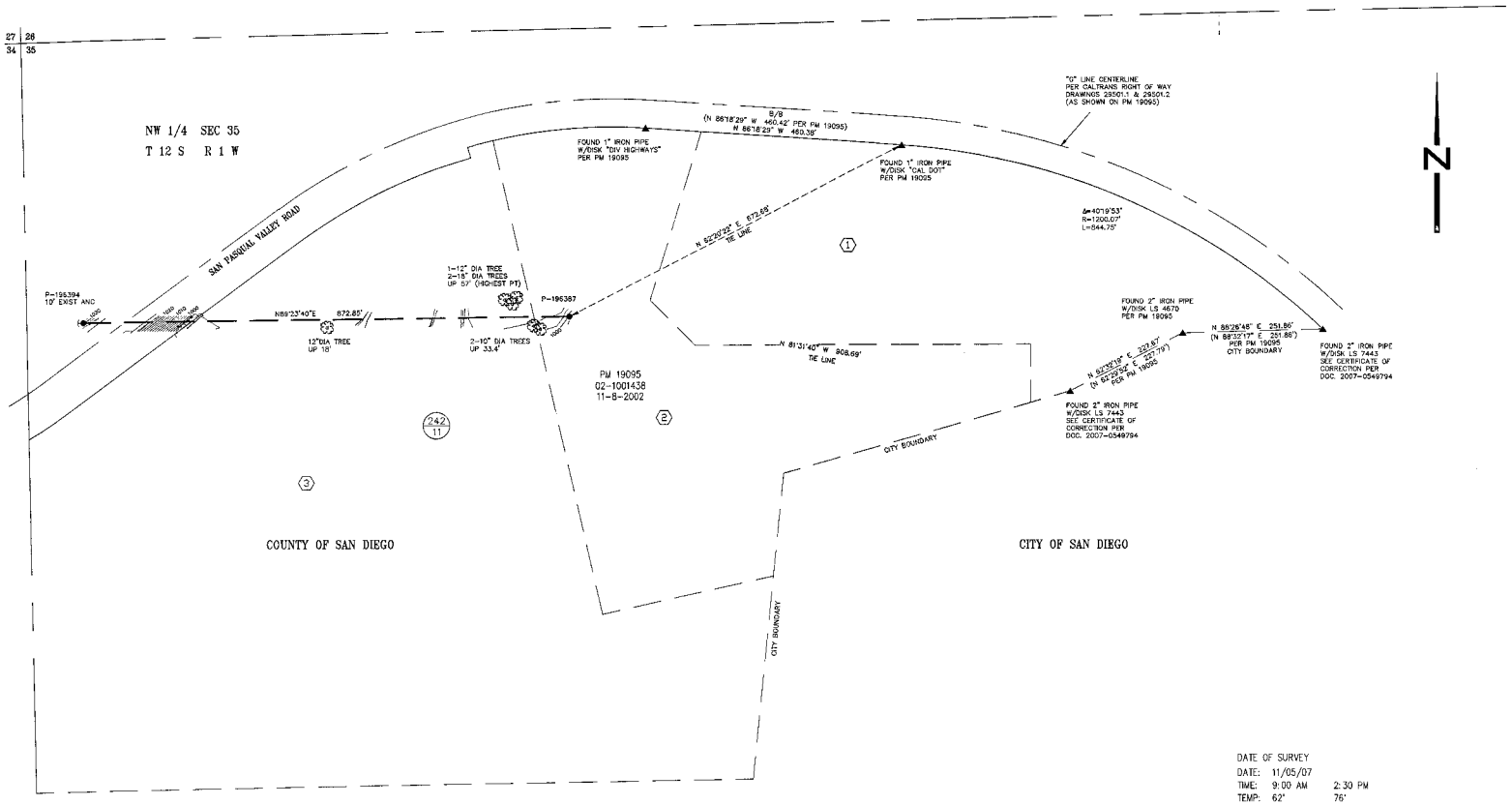
NOLTE SDGE TB 36X22

SDGE0123712

NOLTE SDGE TO 36X22



DATE OF SURVEY
DATE: 11/05/07
TIME: 9:00 AM 2:30 PM
TEMP: 62° 76°

REF: R OF S 14300

SHEET 1 OF 2 SHEETS

THIS PLAT WAS PREPARED BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE LAND SURVEYOR'S ACT ON NOVEMBER 9, 2007.

Paul G. Robotta 12/10/07

PAUL G. ROBOTTA LS 5334

LICENSED LAND SURVEYOR PAUL G. ROBOTTA No. 5334 EXP. 12-31-07 STATE OF CALIFORNIA

SAN DIEGO GAS & ELECTRIC	ORIGINATOR: D.LIEBRECHT	OK TO INSTALL:	PROJECT NO.
SAN DIEGO, CALIFORNIA	SURVEYED BY: NOLTE/SMH	R/W OK:	
GUEJITO FIRE	DRAWN BY: NOLTE/LAP	DATE:	CONST. NO.
SAN PASQUAL VALLEY ROAD SAN PASQUAL	DATE: 11-09-07	THOS. BROS. 1131-D6	DRAWING NO.
	SCALE: 1"=100'		

NO.	SUPPLEMENTS	DATE:	BY	APP'D
	Changed Drawing Name	12/10/07	PGR	

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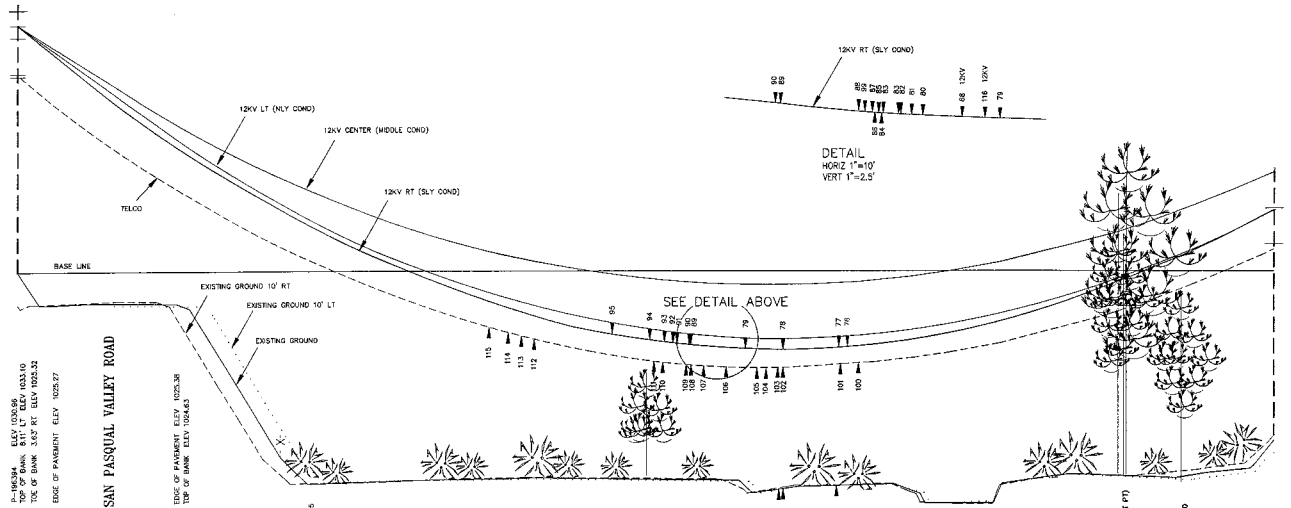

DETAIL
HORIZ 1"=10'
VERT 1"=2.5'

DETAIL
NO SCALE

PLAN VIEW
HORIZ 1"=40'

NUMBERS INDICATE FIELD SURVEY POINT NUMBER

SLY CONDUCTOR (WEST TO EAST)	ELEV	TELCO (WEST TO EAST)	ELEV
95 SPLICE IN COND	1020.1	115 LASHING BREAK WEST END	1021.2
94 NICK IN COND	1019.0	114 LASHING BREAK EAST END	1020.3
93 NICK IN COND	1018.6	113 LASHING BREAK WEST END	1018.7
92 PIECE OF LASHING	1018.4	112 LASHING BREAK EAST END	1018.1
91 NICK IN COND	1018.4	111 LASHING BREAK WEST END	1015.3
90 NICK IN COND	1018.2	110 LASHING BREAK EAST END	1015.2
89 NICK IN COND	1018.1	109 LASHING BREAK WEST END	1014.8
88 NICK IN COND	1017.8	108 LASHING BREAK EAST END	1014.7
99 12KV DAMAGE LOCATION	994.7	107 LASHING BREAK WEST END	1014.5
87 NICK IN COND	1017.8	106 LASHING BREAK EAST END	1014.2
86 NICK IN COND	1017.8	105 LASHING BREAK WEST END	1014.1
85 NICK IN COND	1017.7	104 LASHING BREAK EAST END	1014.0
84 NICK IN COND	1017.7	103 LASHING BREAK WEST END	1014.0
83 PIECE OF LASHING	1017.7	102 LASHING BREAK EAST END	1014.0
82 NICK IN COND	1017.7	101 LASHING BREAK WEST END	1014.1
81 NICK IN COND	1017.6	100 LASHING BREAK EAST END	1014.4
80 NICK IN COND	1017.6		
79 NICK IN COND	1017.5		
78 PIECE OF LASHING	1017.3		
77 NICK IN COND	1017.6		
76 PIECE OF LASHING	1017.7		

SHEET 2 OF 2 SHEETS

SAN DIEGO GAS & ELECTRIC SAN DIEGO, CALIFORNIA	ORIGINATOR: R.LEBRECHT	OK TO INSTALL:	PROJECT NO.
	SURVEYED BY: NOLTE/SMH	R/W OK:	
GUEJITO FIRE SAN PASQUAL VALLEY ROAD SAN PASQUAL	DRAWN BY: NOLTE/LAP	DATE: MM-DD-YY	CONST. NO.
	DATE: 11-09-07	BNDS. BNDS: 1131-E6	DRAWING NO.
	SCALE: 1"=40'		

NO.	SUPPLEMENTS	DATE:	BY	APP'D
	Changed Drawing Name	12/10/07	PGR	

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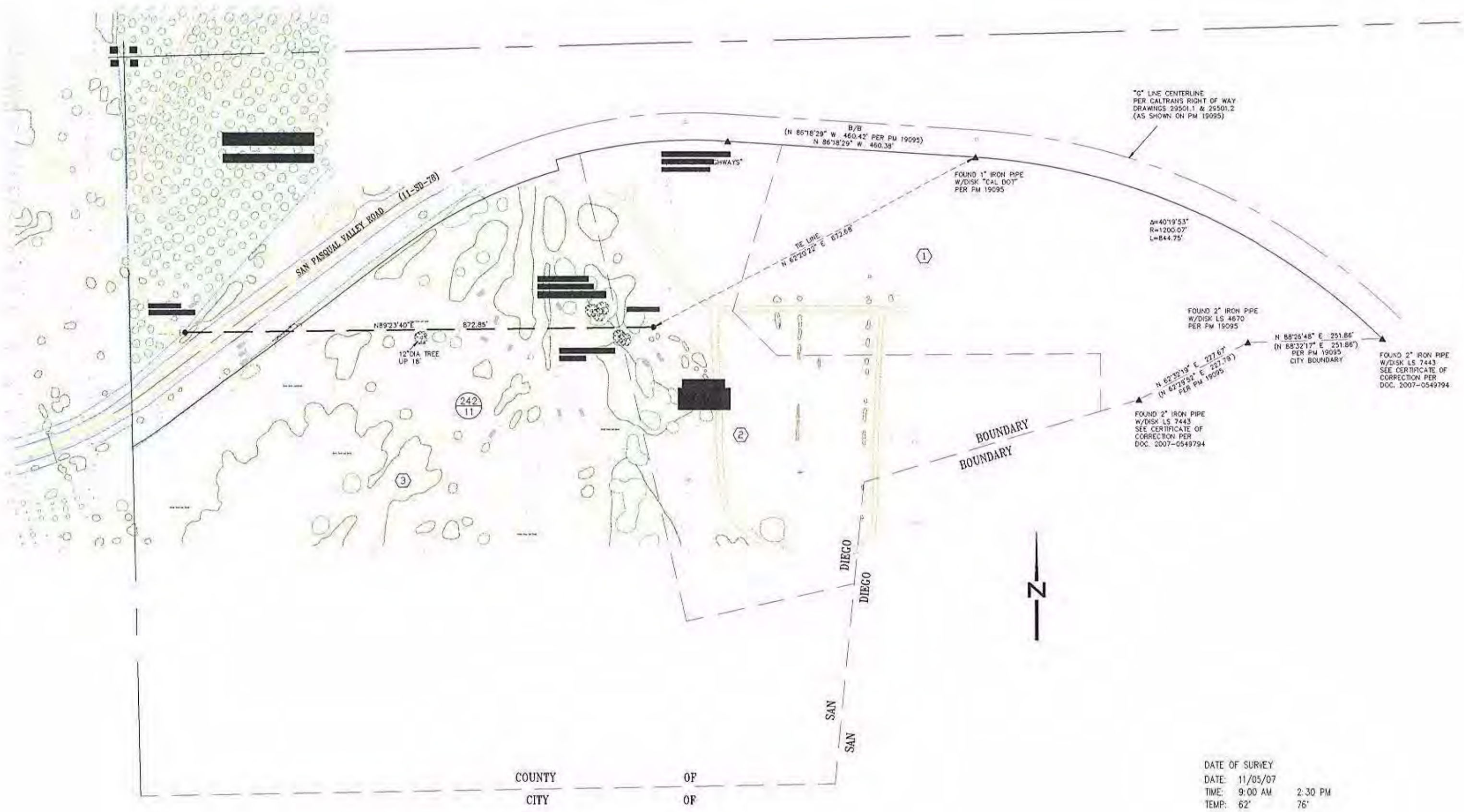

DATE OF SURVEY
DATE: 11/05/07
TIME: 9:00 AM 2:30 PM
TEMP: 62' 76'

TOPOGRAPHY PREPARED BY PROJECT DESIGN CONSULTANTS PHOTOGRAMMETRY DEPARTMENT. DATE OF PHOTOGRAPHY: 12/04/07

BASIS OF BEARINGS/COORDINATES: CCS NAD'83 BASED ON NGS PUBLISHED COORDINATES OF 1ST ORDER PT. ROCKWOOD (EPOCH 1991.35) (N1978223.75,E6342997.35) AND TRANSLATED USING NGS HTDP TO AN ADJUSTED VALUE (ON 11-27-07) OF N1978225.504, E6342995.980. A CHECK TO SD GPS 32 (2007 EPOCH) YIELDED A 0.15' HORIZONTAL ERROR.

BENCHMARK: PT ROCKWOOD WITH A NGVD'29 COUNTY PUBLISHED ELEVATION (1ST ORDER) OF 438.30'. USING CORPSCON (VERTCON), A NAVD'88 VALUE OF 440.43' WAS OBTAINED AND HELD.

THIS PLAT WAS PREPARED BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE LAND SURVEYOR'S ACT ON NOVEMBER 9, 2007.

PAUL G. ROBOTTA LS 5334

LICENSED LAND SURVEYOR PAUL G. ROBOTTA No. 5334 EXP. 12-31-09 STATE OF CALIFORNIA

REF: R OF S 14300
R OF S 10225
PM 19095

SHEET 1 OF 2 SHEETS

SAN DIEGO GAS & ELECTRIC SAN DIEGO, CALIFORNIA	ORIGINATOR: D LEBRECHT	OK TO INSTALL:	PROJECT NO.
	SURVEYED BY: NOLTE/SWH	R/W OK:	
GUEJITO FIRE SAN PASQUAL VALLEY ROAD SAN PASQUAL	DRAWN BY: NOLTE/LAP	DATE:	CONST. NO.
	DATE: 11-09-07	THOS. BROS. 1131-E6	DRAWING NO.
	SCALE: 1"=100'		

NO.	SUPPLEMENTS	DATE:	BY	APP'D
1	CHANGED DRAWING NAME	12/10/07	PGR	
2	REVISED DRAWING LOCATION TO PDC TOPO	02/13/08	LAP	

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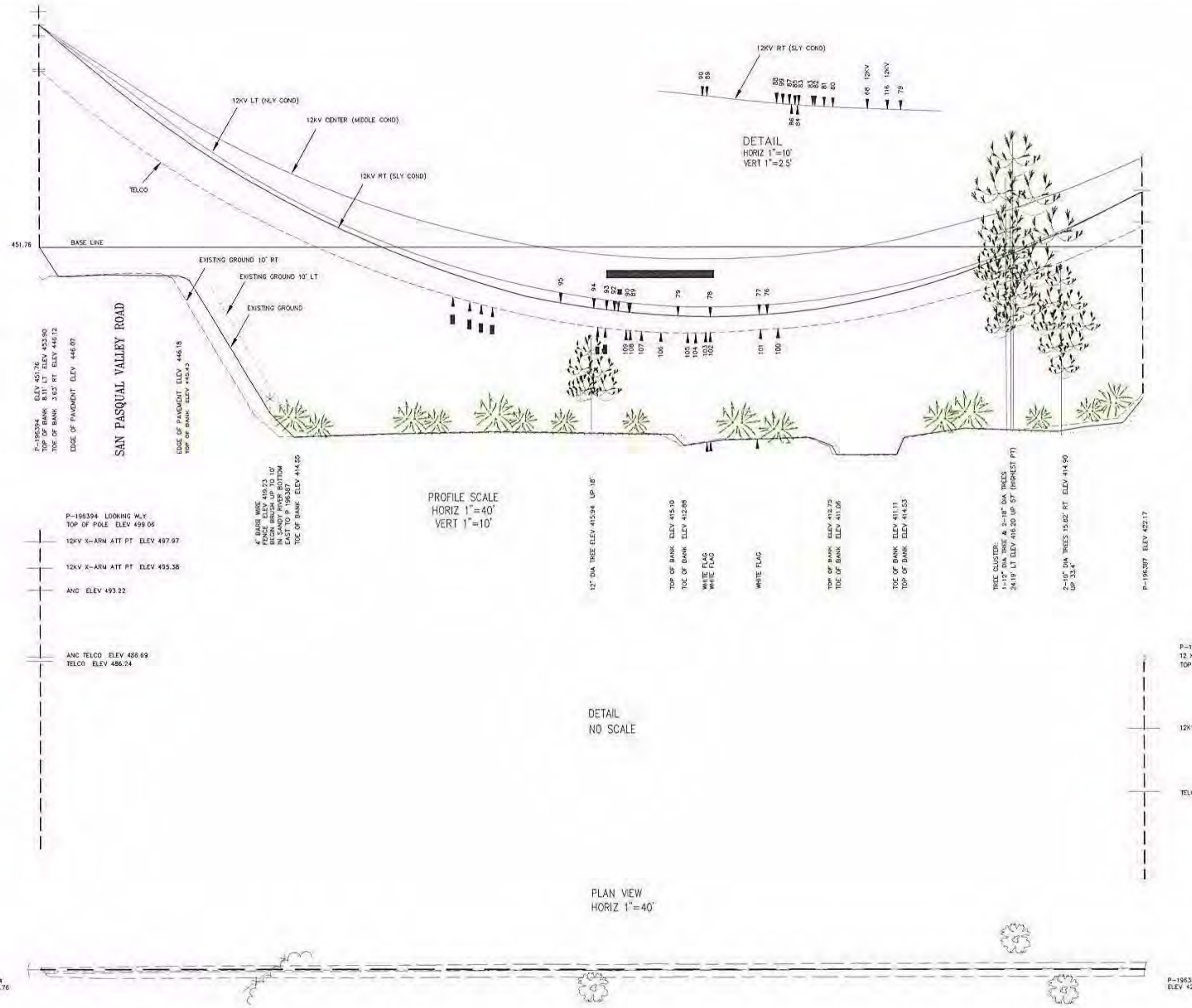

NUMBERS INDICATE FIELD SURVEY POINT NUMBER

SLY CONDUCTOR (WEST TO EAST)	ELEV	TELCO (WEST TO EAST)	ELEV
95 SPLICE IN COND	440.9	115 LASHING BREAK WEST END	422.0
94 NICK IN COND	439.8	114 LASHING BREAK EAST END	441.1
93 NICK IN COND	439.4	113 LASHING BREAK WEST END	440.5
92 PIECE OF LASHING	439.2	112 LASHING BREAK EAST END	439.9
91 NICK IN COND	439.2	111 LASHING BREAK WEST END	436.1
90 NICK IN COND	439.0	110 LASHING BREAK EAST END	436.0
89 NICK IN COND	438.9	109 LASHING BREAK WEST END	435.6
88 NICK IN COND	438.6	108 LASHING BREAK EAST END	435.5
99 12KV DAMAGE LOCATION	415.5	107 LASHING BREAK WEST END	435.3
87 NICK IN COND	438.6	106 LASHING BREAK EAST END	435.0
86 NICK IN COND	438.6	105 LASHING BREAK WEST END	434.9
85 NICK IN COND	438.5	104 LASHING BREAK EAST END	434.8
84 NICK IN COND	438.5	103 LASHING BREAK WEST END	434.8
83 PIECE OF LASHING	438.5	102 LASHING BREAK EAST END	434.8
82 NICK IN COND	438.5	101 LASHING BREAK WEST END	434.9
81 NICK IN COND	438.4	100 LASHING BREAK EAST END	435.2
80 NICK IN COND	438.4		
79 NICK IN COND	438.3		
78 PIECE OF LASHING	438.1		
77 NICK IN COND	438.4		
76 PIECE OF LASHING	438.5		

SHEET 2 OF 2 SHEETS

SAN DIEGO GAS & ELECTRIC SAN DIEGO, CALIFORNIA	ORIGINATOR: D LEBRECHT	OK TO INSTALL:	PROJECT NO.
GUEJITO FIRE SAN PASQUAL VALLEY ROAD SAN PASQUAL	SURVEYED BY: NOLTE/SWH	R/W OK:	CONST. NO.
	DRAWN BY: NOLTE/LAP	DATE:	DRAWING NO.
	DATE: 11-09-07	THOS. BROS. 1131-E6	
	SCALE: 1"=40'		

NO.	SUPPLEMENTS	DATE:	BY	APP'D
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2	REVISED DRAWING LOCATION TO PDC TOPO	02/13/08	LAP	

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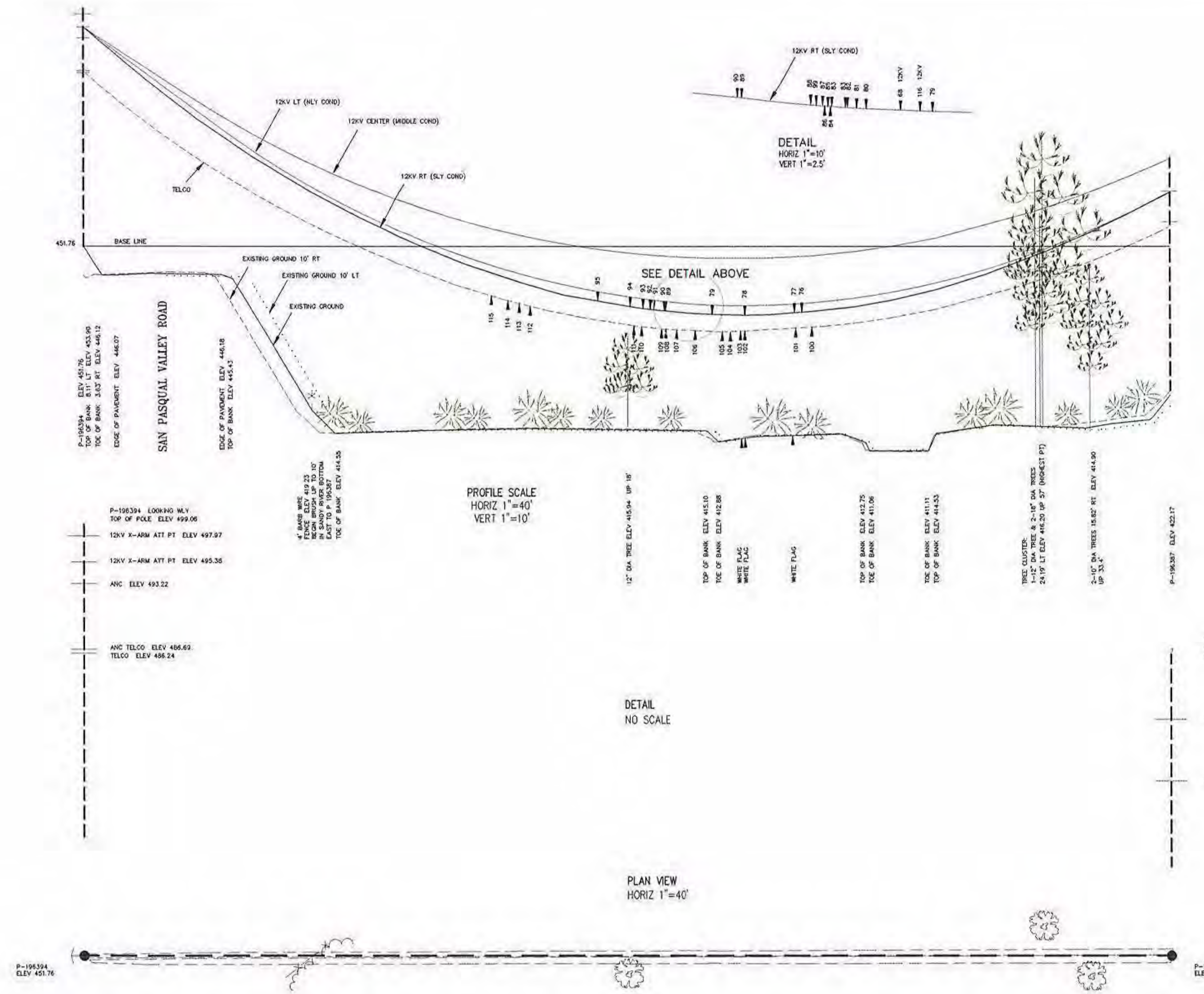


NUMBERS INDICATE FIELD SURVEY POINT NUMBER
VERTICAL DISTANCE FROM TELCO TO CONDUCTORS

	SOUTHERLY	NORTHERLY	CENTER
115	4.5	6.0	13.3
114	4.4	6.0	13.5
113	4.2	5.9	13.6
112	4.1	5.9	13.6
111	3.7	5.6	14.3
110	3.6	5.6	14.4
109	3.7	5.5	14.5
108	3.6	5.4	14.5
107	3.5	5.4	14.5
106	3.4	5.2	14.5
105	3.4	5.2	14.6
104	3.4	5.3	14.7
103	3.1	5.0	14.5
102	3.1	5.0	14.4
101	3.1	4.8	14.2
100	3.1	4.8	14.2

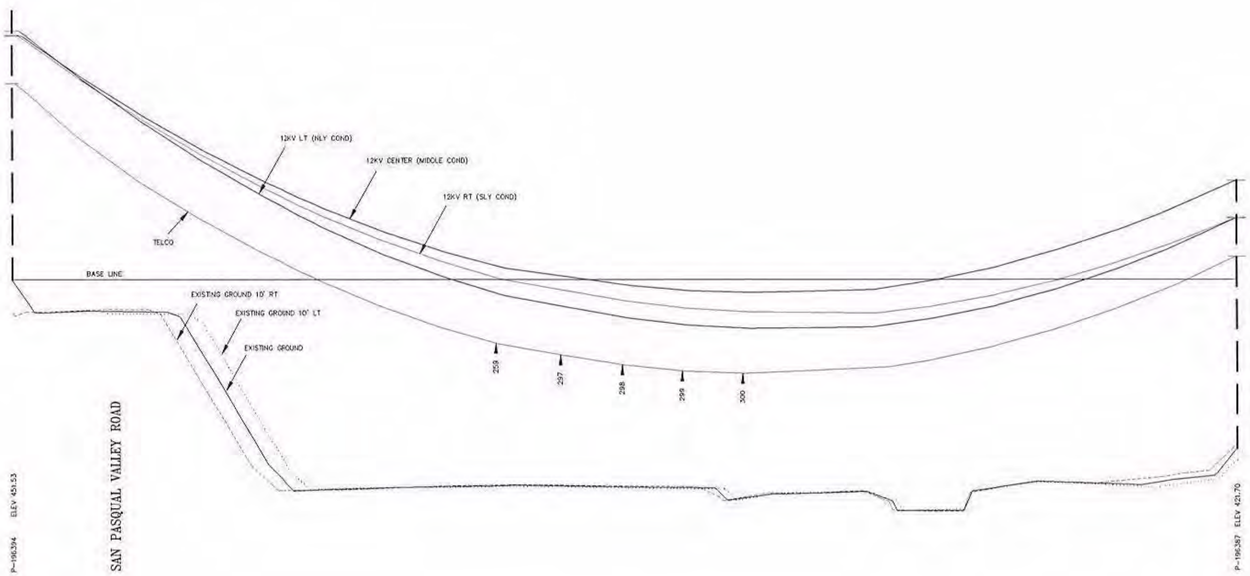
NUMBERS INDICATE FIELD SURVEY POINT NUMBER

SLY CONDUCTOR (WEST TO EAST)	ELEV	TELCO (WEST TO EAST)	ELEV
95 SPLICE IN COND	440.9	115 LASHING BREAK WEST END	422.0
94 NICK IN COND	439.8	114 LASHING BREAK EAST END	441.1
93 NICK IN COND	439.4	113 LASHING BREAK WEST END	440.5
92 PIECE OF LASHING	439.2	112 LASHING BREAK EAST END	439.9
91 NICK IN COND	439.2	111 LASHING BREAK WEST END	436.1
90 NICK IN COND	439.0	110 LASHING BREAK EAST END	436.0
89 NICK IN COND	438.9	109 LASHING BREAK WEST END	435.6
88 NICK IN COND	438.6	108 LASHING BREAK EAST END	435.5
99 12KV DAMAGE LOCATION	415.5	107 LASHING BREAK WEST END	435.3
87 NICK IN COND	438.6	106 LASHING BREAK EAST END	435.0
86 NICK IN COND	438.6	105 LASHING BREAK WEST END	434.9
85 NICK IN COND	438.5	104 LASHING BREAK EAST END	434.8
84 NICK IN COND	438.5	103 LASHING BREAK WEST END	434.8
83 PIECE OF LASHING	438.5	102 LASHING BREAK EAST END	434.8
82 NICK IN COND	438.5	101 LASHING BREAK WEST END	434.9
81 NICK IN COND	438.4	100 LASHING BREAK EAST END	435.2
80 NICK IN COND	438.4		
79 NICK IN COND	438.3		
78 PIECE OF LASHING	438.1		
77 NICK IN COND	438.4		
76 PIECE OF LASHING	438.5		

SHEET 2 OF 2 SHEETS

SAN DIEGO GAS & ELECTRIC SAN DIEGO, CALIFORNIA	ORIGINATOR: D LEBRECHT	OK TO INSTALL:	PROJECT NO.
	SURVEYED BY: NOLTE/SWH	R/W OK:	
GUEJITO FIRE SAN PASQUAL VALLEY ROAD SAN PASQUAL	DRAWN BY: NOLTE/LAP	DATE:	CONST. NO.
	DATE: 11-09-07	THOS. BROS. 1131-E6	DRAWING NO.
	SCALE: 1"=40'		

NO.	SUPPLEMENTS	DATE:	BY	APP'D
1	CHANGED DRAWING NAME	12/10/07	PGR	
2	REVISED DRAWING LOCATION TO PDC TOPO	02/13/08	LAP	
3	ADDED VERTICAL DISTANCE FROM TELCO TO ALL CONDUCTORS	02/11/09	AAW	



NUMBERS INDICATE FIELD SURVEY POINT NUMBER
VERTICAL DISTANCE FROM TELCO TO CONDUCTORS

	NORTHERLY	SOUTHERLY	CENTER
259	8.9	11.6	13.7
297	8.7	11.5	14.0
298	8.4	11.4	14.2
299	8.2	11.2	14.3
300	8.0	10.9	14.3

PROFILE SCALE
HORIZ 1"=40'
VERT 1"=10'

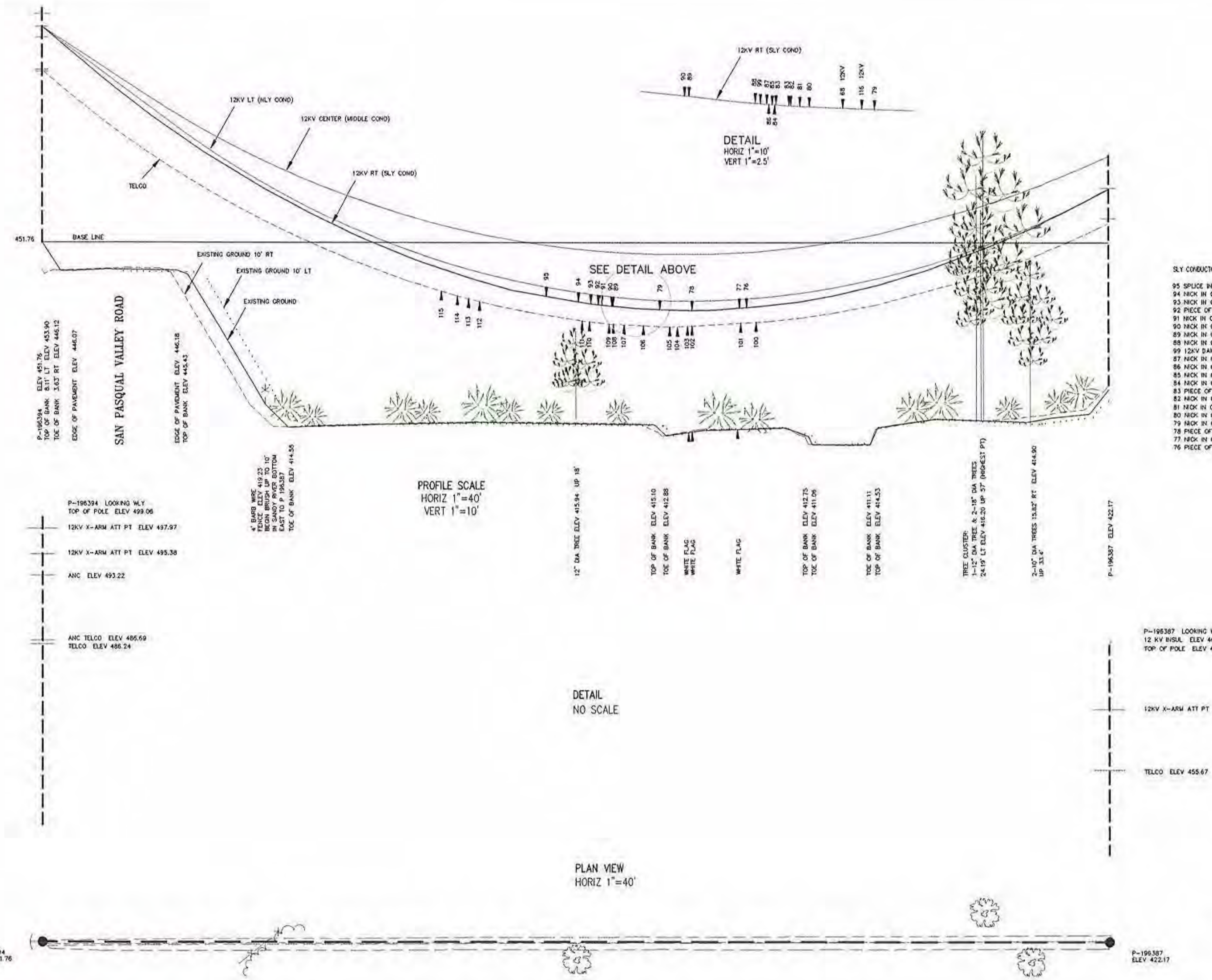
NOTE: DISTANCES ON PLAN ARE NOT RADIAL DISTANCES (LINEAR ONLY)

REF: R071140\S070666

AS BUILT

SAN DIEGO GAS & ELECTRIC SAN DIEGO, CALIFORNIA	ORIGINATOR: P MARTINEZ	OK TO INSTALL:	PROJECT NO.
CIR 470 P-196387 TO P-196394 SAN PASQUAL VALLEY ROAD SAN PASQUAL	SURVEYED BY: NOLTE/TD	R/W OK:	CONST. NO.
	DRAWN BY: NOLTE/AAW	DATE:	DRAWING NO.
	DATE: 02-18-09	THOS. BROS. 1131-E6	
	SCALE: AS SHOWN		

NO.	SUPPLEMENTS	DATE:	BY	APP'D



NUMBERS INDICATE FIELD SURVEY POINT NUMBER
VERTICAL DISTANCE FROM TELCO TO CONDUCTORS

	SOUTHERLY	NORTHERLY	CENTER
115	4.5	6.0	13.3
114	4.4	6.0	13.5
113	4.2	5.9	13.6
112	4.1	5.9	13.6
111	3.7	5.6	14.3
110	3.6	5.6	14.4
109	3.7	5.5	14.5
108	3.6	5.4	14.5
107	3.5	5.4	14.5
106	3.4	5.2	14.5
105	3.4	5.2	14.6
104	3.4	5.3	14.7
103	3.1	5.0	14.5
102	3.1	5.0	14.4
101	3.1	4.8	14.2
100	3.1	4.8	14.2

NUMBERS INDICATE FIELD SURVEY POINT NUMBER

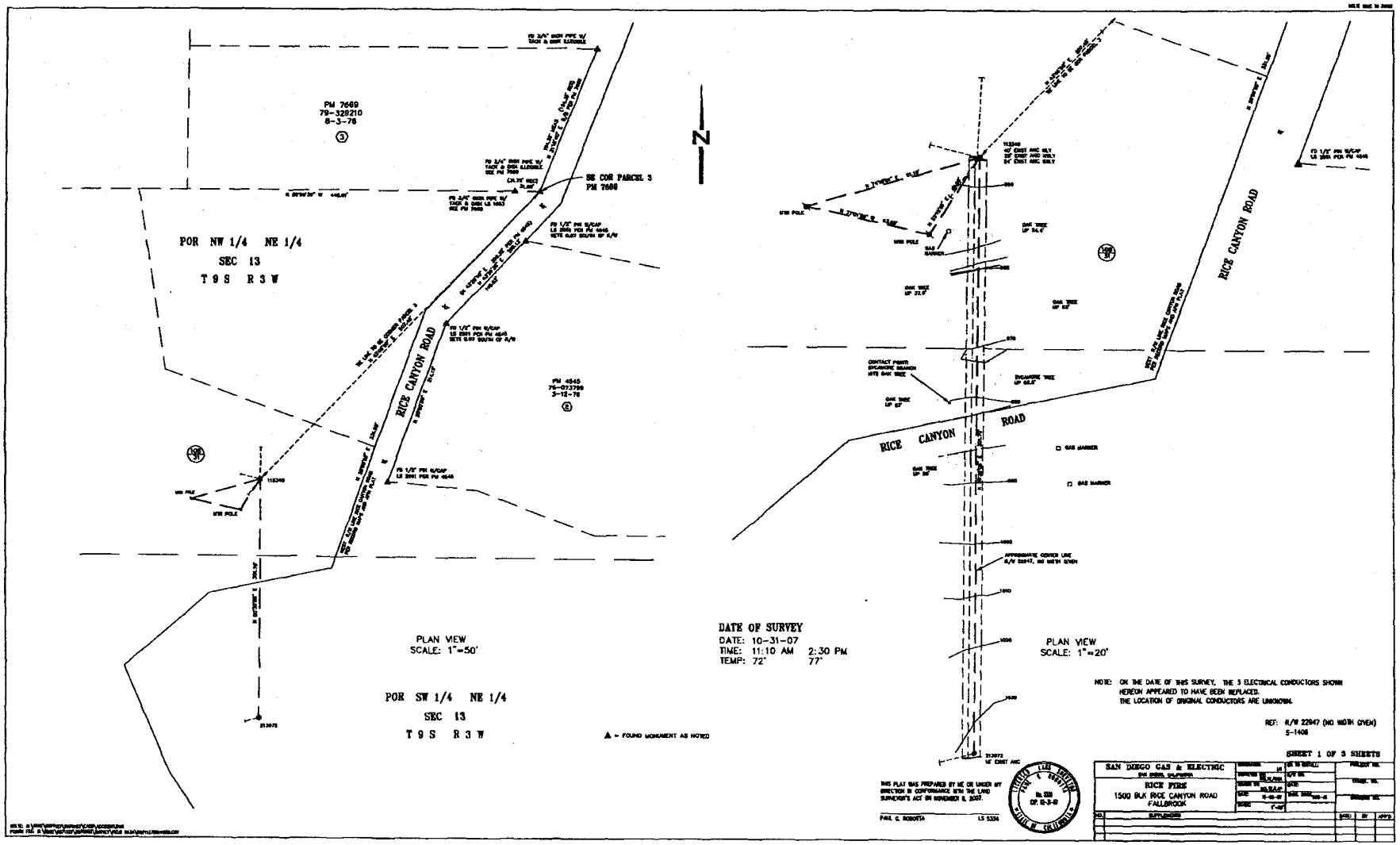
SLY CONDUCTOR (WEST TO EAST)	ELEV	TELCO (WEST TO EAST)	ELEV
95 SPLICE IN COND	440.9	115 LASHING BREAK WEST END	422.0
94 NICK IN COND	439.8	114 LASHING BREAK EAST END	441.1
93 NICK IN COND	439.4	113 LASHING BREAK WEST END	440.5
92 PIECE OF LASHING	439.2	112 LASHING BREAK EAST END	439.9
91 NICK IN COND	439.2	111 LASHING BREAK WEST END	438.1
90 NICK IN COND	439.0	110 LASHING BREAK EAST END	436.0
89 NICK IN COND	438.9	109 LASHING BREAK WEST END	435.6
88 NICK IN COND	438.6	108 LASHING BREAK EAST END	435.5
99 12KV DAMAGE LOCATION	415.5	107 LASHING BREAK WEST END	435.3
87 NICK IN COND	438.6	106 LASHING BREAK EAST END	435.0
86 NICK IN COND	438.6	105 LASHING BREAK WEST END	434.9
85 NICK IN COND	438.5	104 LASHING BREAK EAST END	434.8
84 NICK IN COND	438.5	103 LASHING BREAK WEST END	434.8
83 PIECE OF LASHING	438.5	102 LASHING BREAK EAST END	434.8
82 NICK IN COND	438.5	101 LASHING BREAK WEST END	434.9
81 NICK IN COND	438.4	100 LASHING BREAK EAST END	435.2
80 NICK IN COND	438.4		
79 NICK IN COND	438.3		
78 PIECE OF LASHING	438.1		
77 NICK IN COND	438.4		
76 PIECE OF LASHING	438.5		

SHEET 2 OF 2 SHEETS

SAN DIEGO GAS & ELECTRIC SAN DIEGO, CALIFORNIA	ORIGINATOR: D LEBRECHT	OK TO INSTALL:	PROJECT NO.
GUEJITO FIRE SAN PASQUAL VALLEY ROAD SAN PASQUAL	SURVEYED BY: NOLTE/SMH	R/W OK:	CONST. NO
	DRAWN BY: NOLTE/LAP	DATE:	DRAWING NO.
	DATE: 11-09-07	THOS. BROS. 1131-E6	
	SCALE: 1"=40'		

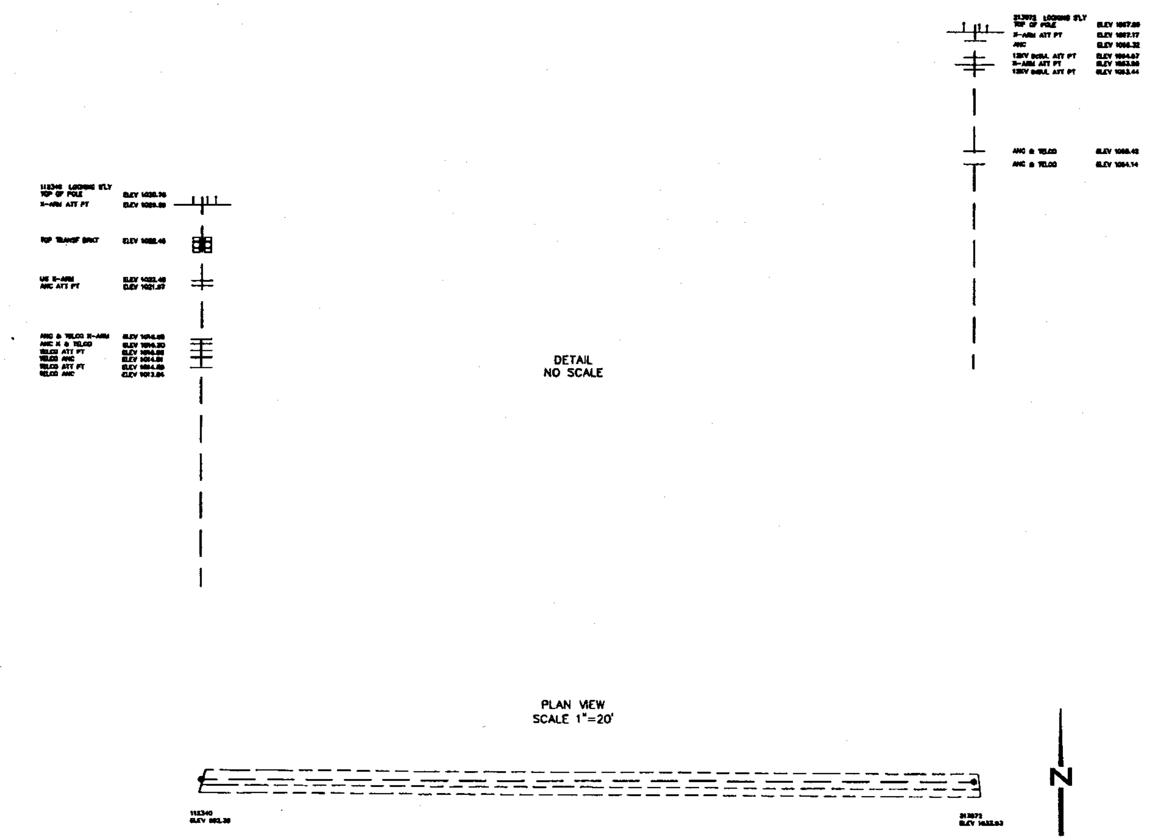
NO.	SUPPLEMENTS	DATE:	BY	APP'D
1	CHANGED DRAWING NAME	12/10/07	PGR	
2	REVISED DRAWING LOCATION TO PDC TOPO	02/13/08	LAP	
3	ADDED VERTICAL DISTANCE FROM TELCO TO ALL CONDUCTORS	02/11/09	AAW	

Attachment to Request 16_SDGE0253829-SDGE0253891



SDGE0253829

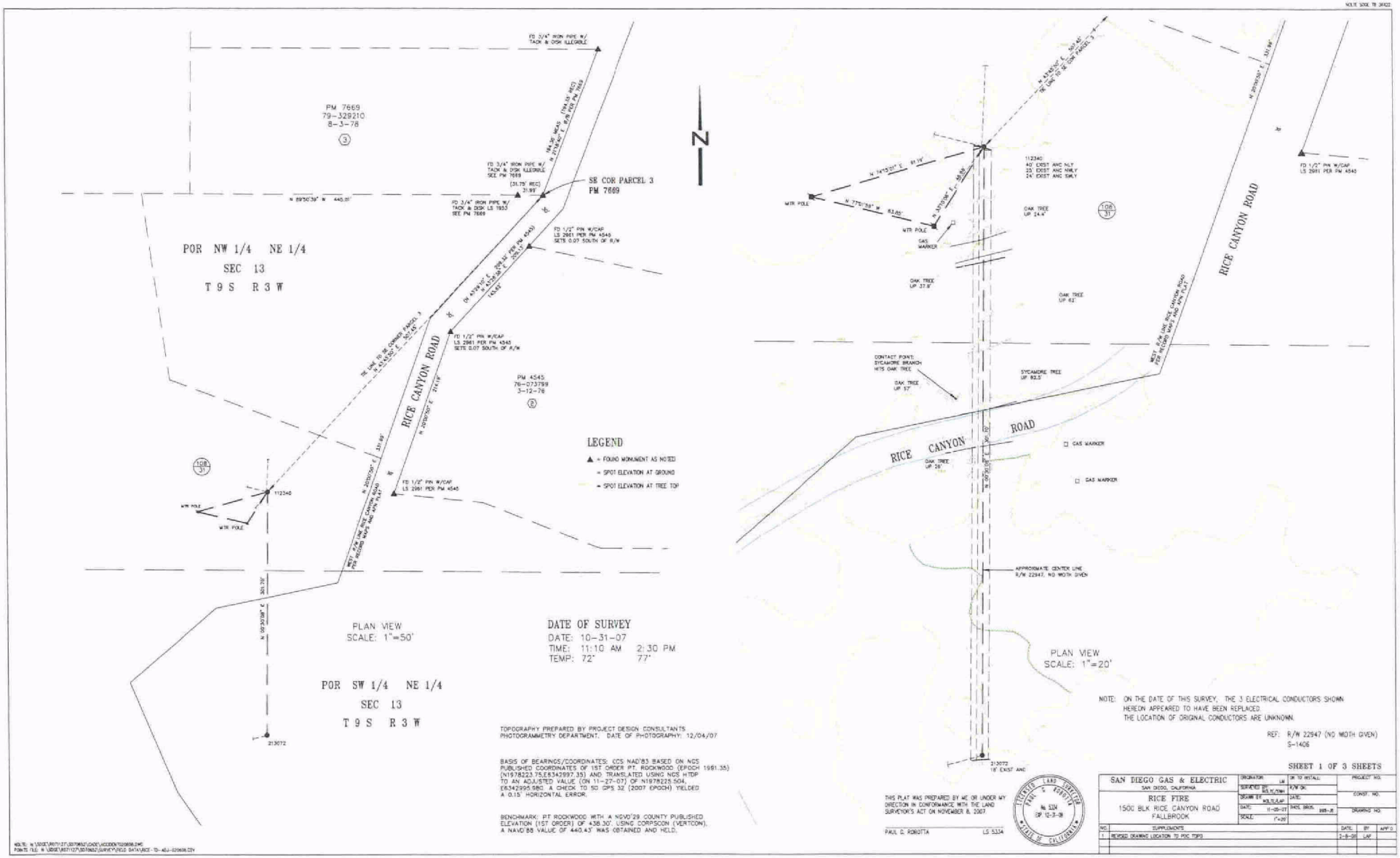
SDGE0253830

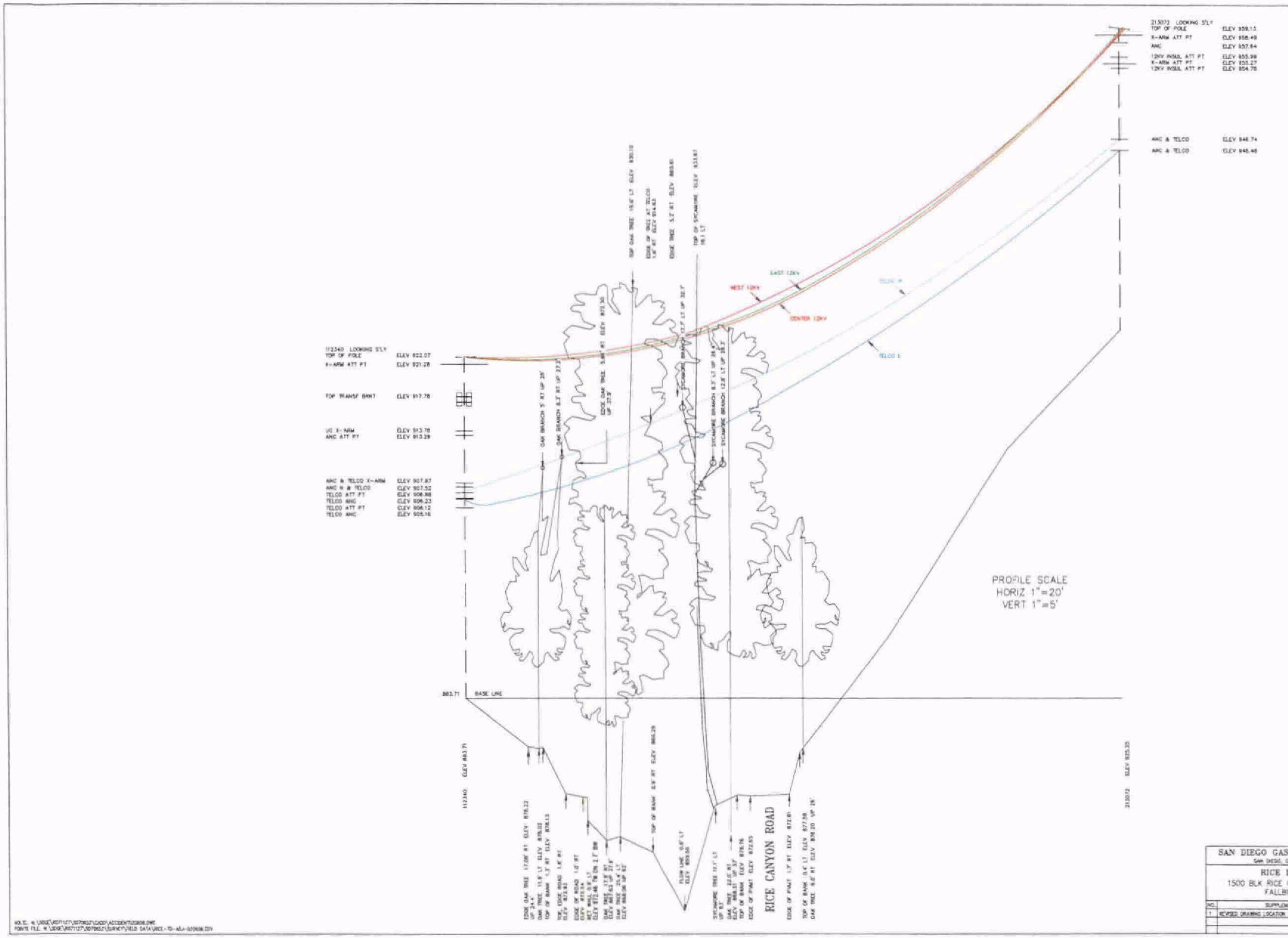


SHEET 3 OF 3 SHEETS

SAN DIEGO GAS & ELECTRIC
SAN DIEGO, CALIFORNIA

RICE FIRE
1500 BLK RICE CANYON ROAD
FALLBROOK

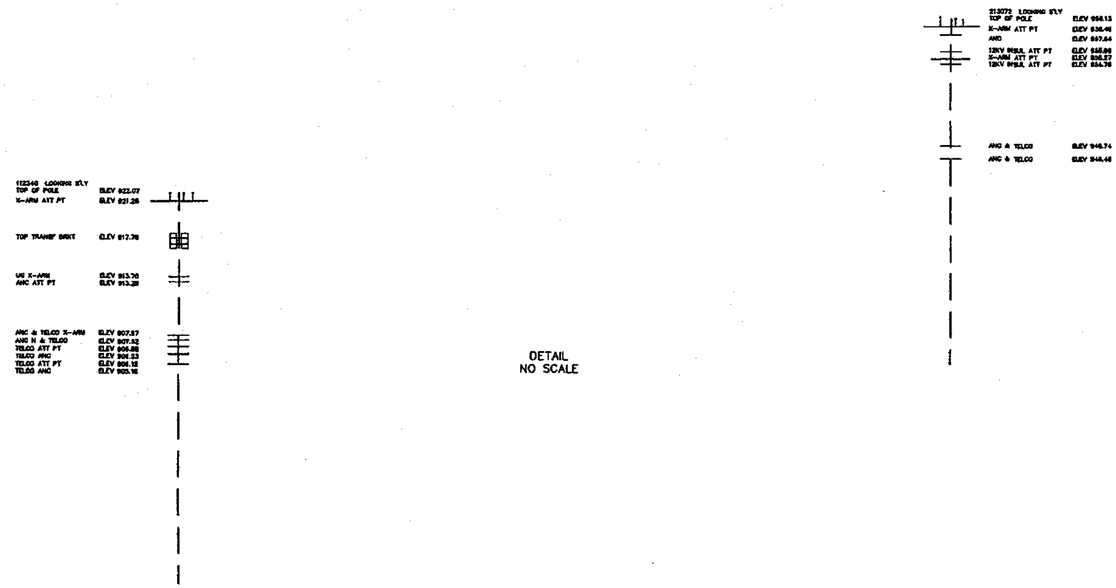




SHEET 2 OF 3 SHEETS

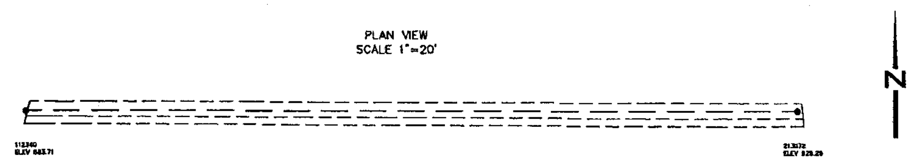
SAN DIEGO GAS & ELECTRIC SAN DIEGO, CALIFORNIA			
RICE FIRE 1500 BLK RICE CANYON ROAD FALLBROOK	DATE 11-08-07		DRAWING NO.

NO.	SUPPLEMENTS	DATE	BY	APP'D
1	REVISED DRAWING LOCATION TO PDC TOPO	1-8-08	LAP	



DETAIL
NO SCALE

PLAN VIEW
SCALE 1"=20'

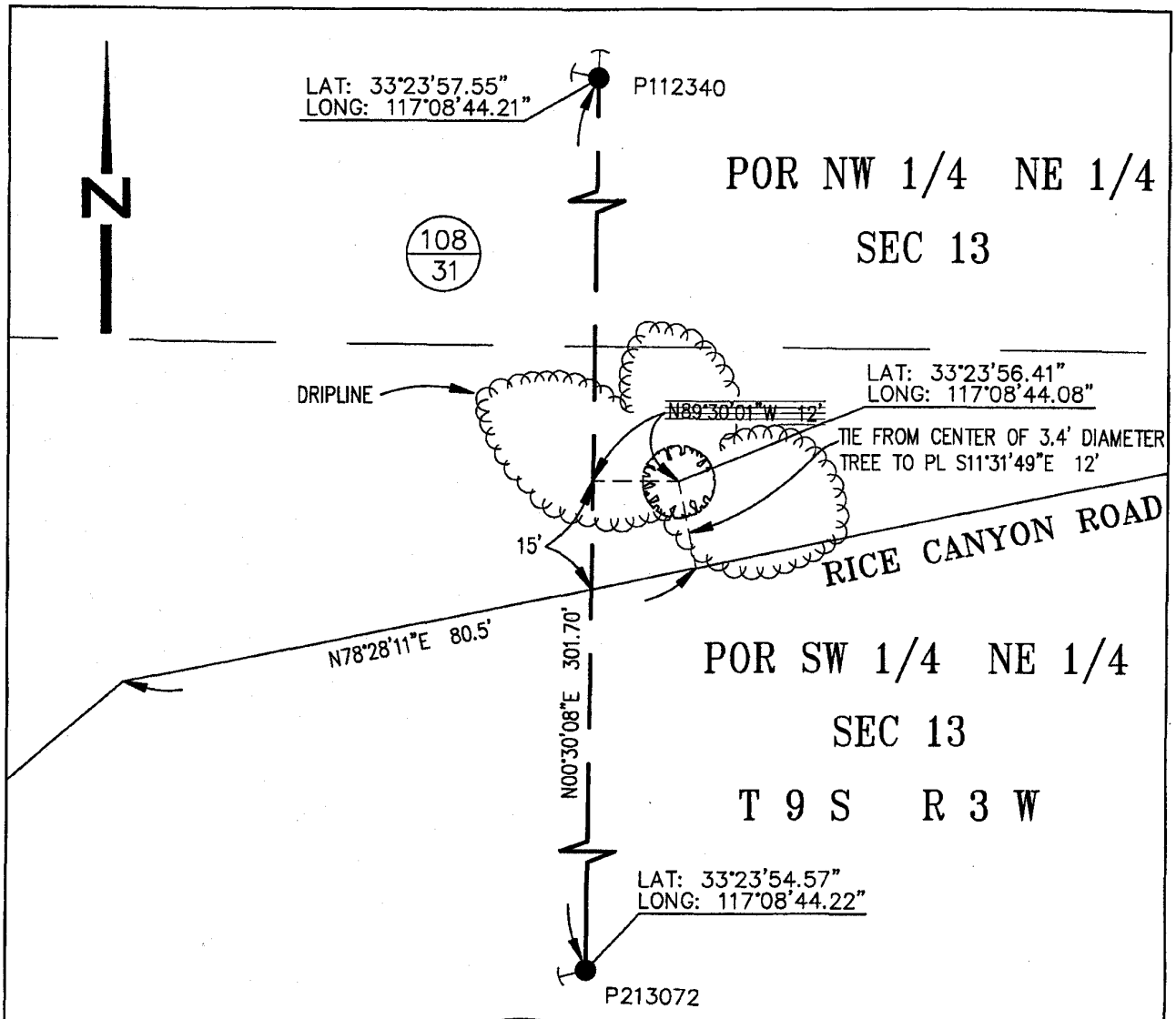


SHEET 3 OF 3 SHEETS

SAN DIEGO GAS & ELECTRIC
SAN DIEGO, CALIFORNIA

RICE FIRE
1500 BLK RICE CANYON ROAD
FALLBROOK

NO.	SUPPLEMENTS	DATE	BY	APP'D
1	REVISED DRAWING LOCATION TO PDC TOPO		LAP	



THIS PLAT WAS PREPARED BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE LAND SURVEYOR'S ACT ON AUGUST 18, 2008.

JEFFREY J. SAFFORD L6703

LICENSED LAND SURVEYOR
JEFFREY J SAFFORD
No. L6703
EXP. 06-30-08
STATE OF CALIFORNIA

THE BASIS OF COORDINATES FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83) ZONE 6.

SAN DIEGO GAS & ELECTRIC SAN DIEGO, CALIFORNIA	ORIGINATOR: LM	OK TO INSTALL:	PROJECT NO.
	SURVEYED BY: NOLTE/RAH	R/W OK:	
RICE FIRE RICE CANYON ROAD FALLBROOK	DRAWN BY: NOLTE/ARW	DATE:	CONST. NO.
	DATE: 04-15-08	THOS. BROS. 998-J6	DRAWING NO.
	SCALE: 1"=20'		

NO.	SUPPLEMENTS	DATE:	BY	APP'D
1	ADDED COORDIANTES PER E-MAIL FROM S. COOK.	08-18-08	ARW	

NOLTE: N:\SDGE\R071127\R071127-S070652.DWG

N:\SDGE\R071127\S070652\MASTER\R071127.CSV

SDGE0253835

NOLTE
BEYOND ENGINEERING
15070 Avenue of Science, Suite 100
San Diego, CA 92128
Ph: 858-385-0500 Fax: 858-385-0400
www.nolte.com

SURVEY NOTES COVER SHEET

SDG&E JOB NO:	R071127, S070652	**NOLTE JOB NO:**	SDB555200
SURVEY NO:		**JOB TYPE:**	**SHT 1 OF:** 7
DPSS NO:	—		**DATE:** 11-01-07
W.O. NO:	—		**SURVEY CREW:** HAHN
ACCT NO:			JOHNSON
T.B. NO:	998 J-6		
JOB NAME:	RICE FIRE		
JOB ADDRESS:	1500BLK RICE CANYON RD. FLBK		
BENCH MARK:	ASSUMED AT PT. 1		
BASIS OF BEARINGS:	E LINE PAR. 3, PM 7669		
BASIS OF COORDINATES:	ASSUMED AT PT. 1		

	REFERENCE DATA	
	MAIN:	**BACKGROUND:**
DATA DUMP:	N:\SDGE\R071127\S070652\SURVEY\FIELD DATA\R071127SWH1030.CSV	
PHOTOS **~~POINTS~~ FILE:**	N:\SDGE\R071127\S070652\SURVEY\FIELD DATA\PHOTOS\RICE FIRE 10-30-07	\RICE FIRE 11-01-07
CAD TECH:		
DWG PATH:	PM 4545	
DWG SIZE:	PM 7669	
DATE:		

NOTES: EDM CALIBRATED 7-06-07
JT MT ON SITE W/ SDGE PERSONNEL 10-30-07

08/23/078:26 AM

SDGE0253836

RICE FIRE
SUBJECT

SDB555200, R01127 — SWH
JOB NO. — DESIGNED BY

10-30-07 — CHECKED BY
DATE

NOLTE

JT. MT. - SDGE - L. MARTINEZ, G. TRAVERS
NOLTE - S. HAHN, N. JOHNSON, L. PERSON, P. ROBOTTA, R. PARKER

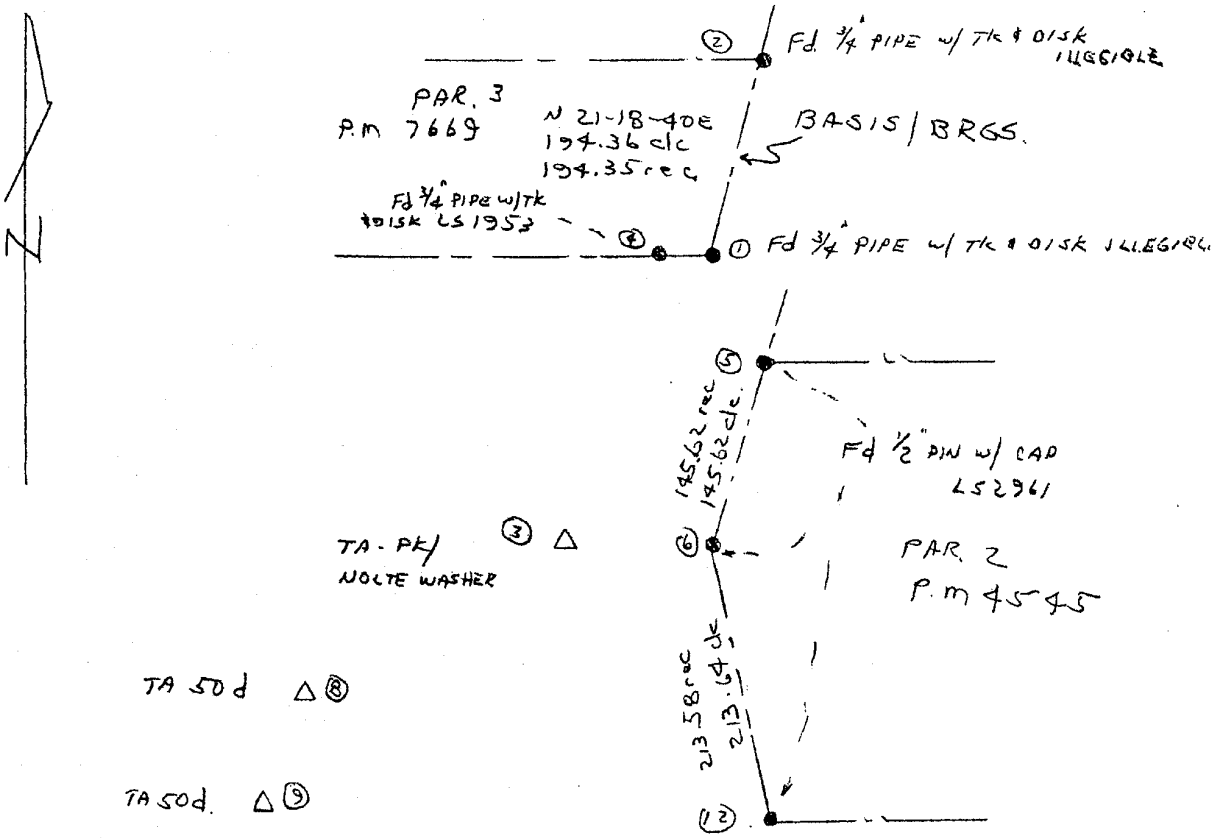
TO LOCATE
SYCAMORE
BRANCHES ON W, OAK
WIRES
PROP TIE
PROFILE -
- GAS MRKRS
- TELCO

RICE FIRE
SUBJECT

SDB 555200, R07 1127 SWH NRJ
JOB NO. DESIGNED BY

10-31-07
DATE CHECKED BY

NOLTE



RICE FIRE
SUBJECT

SDB 555200
JOB NO.

10-31-07
DATE

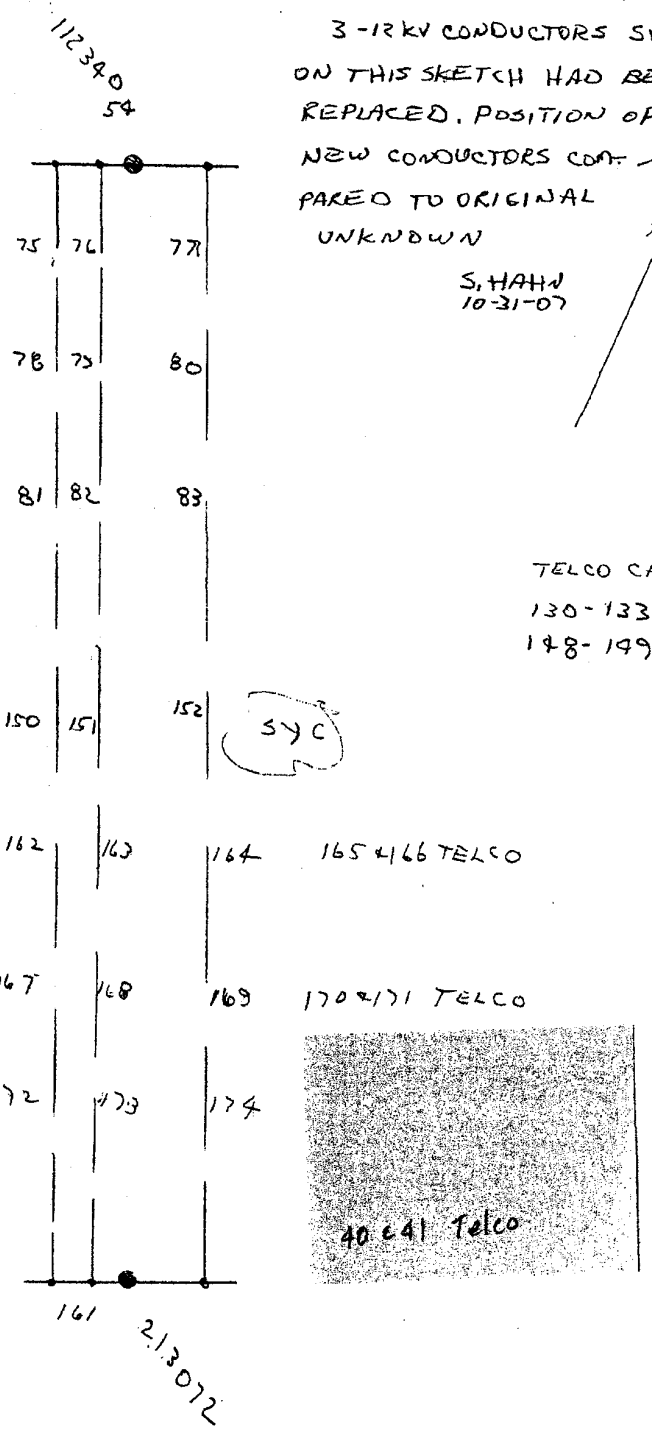
SWH, NRJ
DESIGNED BY

CHECKED BY

NOLTE

XTRA SHOTS
116 - W. COND.
117 - CTR COND
118 - E. COND
119. W. COND
120 CTR COND
121 E. COND
122 W. COND
123 CTR COND
124 E. COND.

11:10A 72°F
2:30P 77°F



NOTE: AS OF 10-30-07
3-12 kV CONDUCTORS SHOWN ON THIS SKETCH HAD BEEN REPLACED. POSITION OF NEW CONDUCTORS COMPARED TO ORIGINAL UNKNOWN

S. HAHN
10-31-07

TELCO CABLE PTS.
130 - 133
148 - 149

SDGE0253839

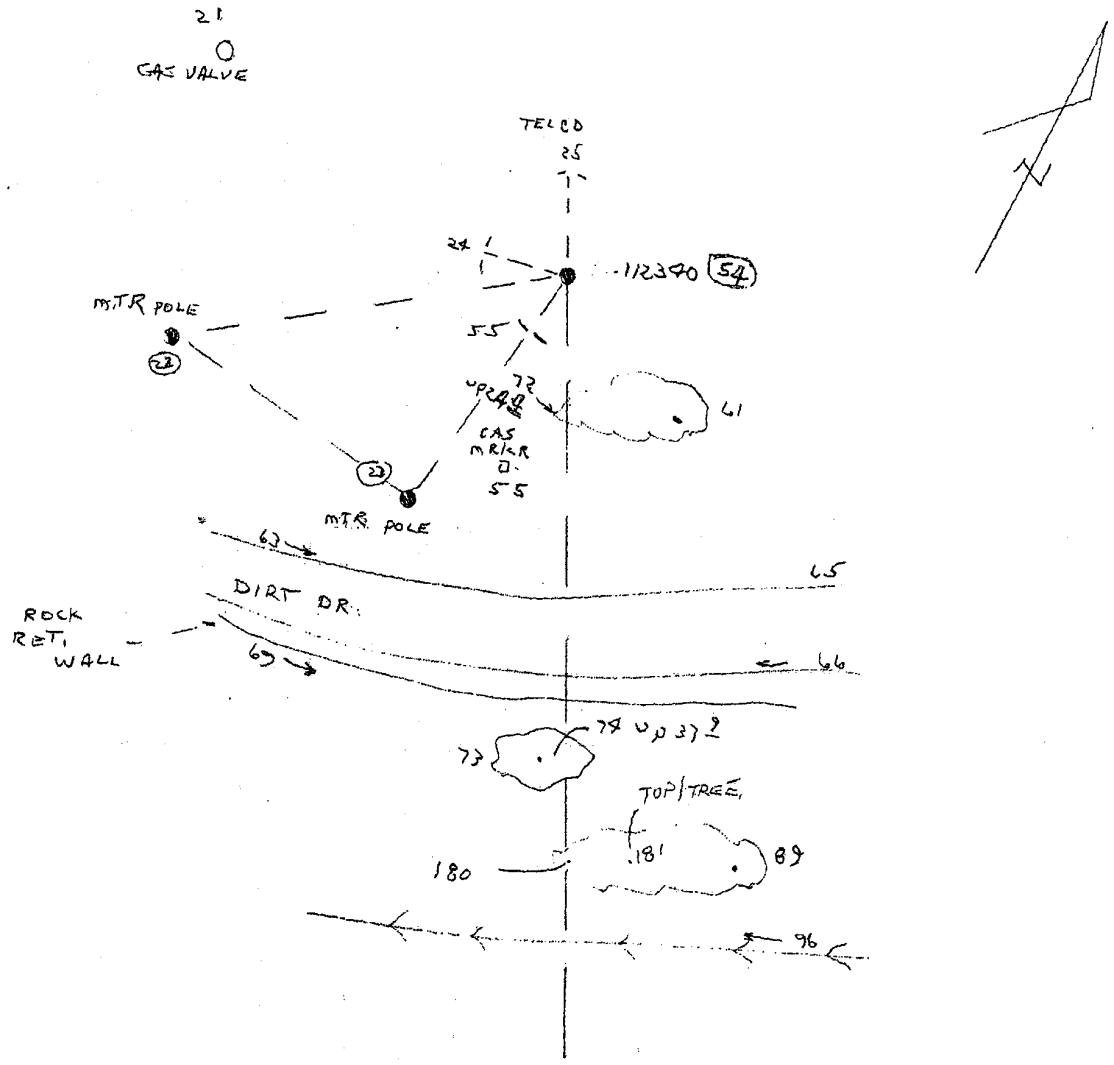
5/5

RISE FIRE
SUBJECT

SDB 555200, R071127 — SUH, NBT
JOB NO. — DESIGNED BY

10-31-07 — CHECKED BY
DATE

NOLTE

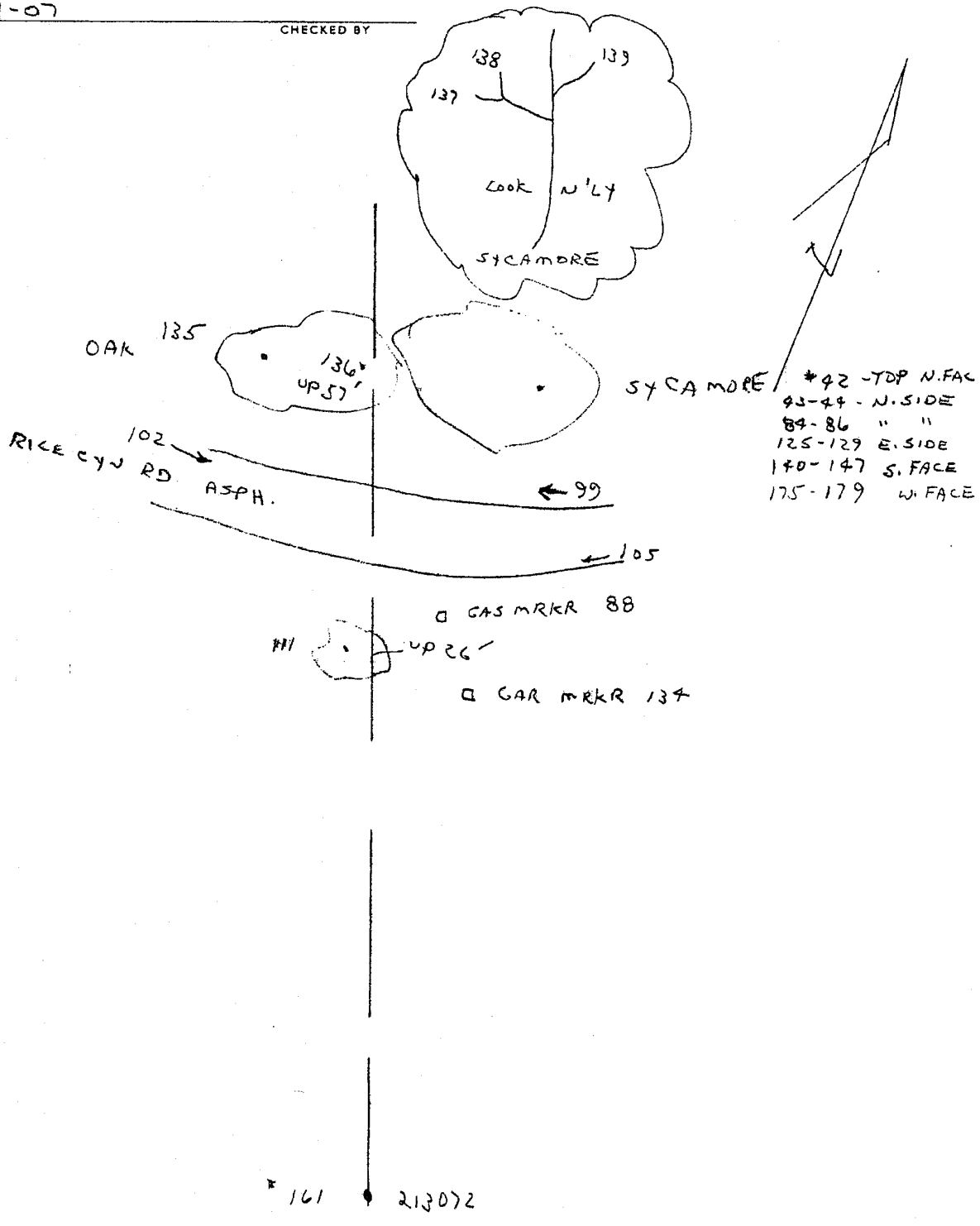


RICE FIRE
SUBJECT

SDB555200, R071127 — SWH, NRJ
JOB NO. — DESIGNED BY

10-31-07
DATE — CHECKED BY

NOLTE



SDG&E

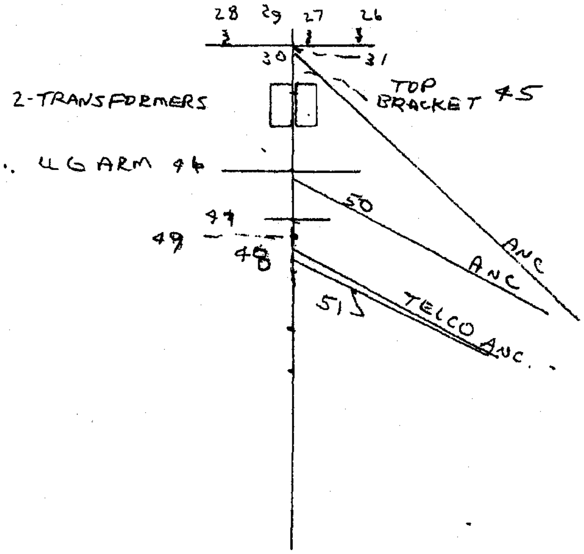
JOB NAME RICE FIRE

JOB NO. SDB555-200, R071127

NOTES: ____ NOTE TAKER S. HAHN DATE 10/31/07

____ CHECKED BY ____ DATE / /

STRUCTURE # 112340 # 54
CABLE POLE

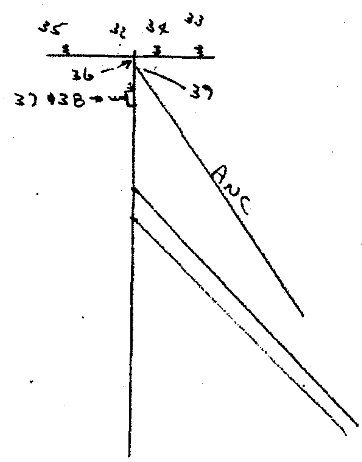


DESC.	PT
TOP OF POLE	29 (112)
12 KV INSUL.	26 (113)
" " "	27 (114)
" " "	28 (115)
ANC.	30
X-ARM ATT PT.	31
TOP TRANSF BRKT	45
4G XARM	46
ANC	50
TELCO XARM	47
TELCO ANC. N	49
ANC TELCO	48 W'LY
ANC TELCO	51 SW'LY
TELCO	52
ANC	53

ANC'S 25-30 - NLY
telco 24-48 - WLY
telco - 55-51 - SWLY
50 - ? 22 [illegible]

LOOKING S'LY

STRUCTURE # 213072 # 161



DESC.	UP
TOP OF POLE	32
12KV INSUL	33
" " "	34
" " "	35
X-ARM ATT. PT.	36
12KV INSUL ATT. PT	37
" " " "	38
ANC	39
ANC & TELCO	40
ANC & TELCO	41

one pole connect to ??

LOOKING S'LY

FILE 92227

Device: Survey Controller (TSCe) on ActiveSync

Receive operation Completed.
4 File(s) Successfully Transferred.
Details are as follows:

12:07:47 PM 11/1/2007 Received File N:\SDGE\R070840\S070634\SURVEY\FIELD DATA\R070840ASWH1107.dc from Default. No Error
12:07:47 PM 11/1/2007 Received File N:\SDGE\R070840\S070634\SURVEY\FIELD DATA\R070840ASWH1107.csv from Export. No Error
12:07:47 PM 11/1/2007 Received File N:\SDGE\R071127\S070652\Survey\Field Data\R071127SWH1030.dc from Default. No Error
12:07:48 PM 11/1/2007 Received File N:\SDGE\R071127\S070652\Survey\Field Data\R071127SWH1030.csv from Export. No Error

1	10000.00000	10000.00000	1000.00000	MO 3/4IP T&D
2	10181.06900	10070.63600	1009.70500	MO 3/4IP T&D
3	9818.07400	9832.41300	991.70700	TA PK/WASH
4	10000.08700	9968.01500	999.12400	MO 3/4IP T&D
5	9937.33900	9982.07000	1005.03200	MO PIN/CAP LS2961
6	9831.61500	9881.93800	994.74000	MO PIN/CAP LS2961
7	9541.85600	9755.56200	981.24400	TA 50D
8	9745.03500	9620.28800	1009.62400	TA 50D
9	9687.04300	9583.70000	999.88600	TA 50D
10	9487.39900	9677.12500	982.16600	TA PIN/CAP
11	9471.70700	9549.34100	982.89400	TA PIN/CAP
12	9630.88000	9808.82100	986.42700	MO PIN/CAP LS2961
21	9747.05800	9542.13100	1003.39900	GSVA
22	9608.77000	9561.24100	986.49200	ECSP
23	9594.44300	9623.46200	984.78900	ECSP
24	9639.59000	9623.59700	994.36300	ECGY
25	9673.96300	9649.90400	1001.67200	ECGY TELCO
26	9634.42100	9643.76700	1030.75200	12@INS
27	9633.64400	9646.72600	1030.72800	12@INS
28	9632.05400	9652.61900	1030.73500	12@INS
29	9633.75400	9648.33600	1030.75400	ECPP TOP
30	9633.84600	9647.86200	1029.31000	ANC ATT
31	9634.40400	9648.64800	1029.96300	CRSARM ATT
32	9329.12200	9644.92500	1067.89300	ECPP TOP
33	9329.38800	9640.34600	1067.81300	12@INS
34	9329.58100	9643.33000	1067.91500	12@INS
35	9330.10900	9649.34300	1068.06600	12@INS
36	9329.78300	9644.86800	1067.17400	CRSARM ATT
37	9332.40400	9645.05200	1064.67200	12@ARM
38	9325.01600	9646.68100	1063.44200	12@ARM
39	9329.20000	9644.47500	1066.32300	ANC ATT
40	9330.32500	9644.73100	1055.42000	TELCO ANC ATT
41	9330.34000	9644.84100	1054.14300	TELCO ANC ATT
42	9525.83100	9664.12600	1042.35300	LSTR TOP N/FACE SYC
43	9526.06200	9664.08100	1039.54700	LSTR N/FACE SYC
44	9526.14800	9664.06400	1038.14400	LSTR N/FACE SYC
45	9633.26000	9648.17700	1026.46000	TRNSFRMR BRCKT
46	9634.30600	9648.72600	1022.46100	UG CRSS ARM ATT
47	9634.26300	9649.01800	1016.64800	TELCO ARM ATT
48	9633.75600	9648.03500	1015.55600	TELCO ANC ATT
49	9633.17800	9648.20300	1016.20200	TELCO ATT
50	9633.10400	9648.36000	1021.96900	ANC ATT
51	9633.15000	9648.34900	1014.91300	TELCO ANC ATT
52	9633.85100	9648.22700	1014.80200	TELCO ATT
53	9634.12900	9648.74300	1013.84300	TELCO ANC ATT
54	9633.52100	9649.00300	992.38700	ECPP 112340
55	9613.45900	9633.94700	988.82700	ECGY
56	9596.22400	9633.16600	985.49100	GSMC MARKER
57	9635.78500	9638.02800	993.45900	SV
58	9630.74400	9662.62500	991.66800	SV
59	9597.92600	9647.36500	986.81200	TB
60	9598.56700	9658.84400	986.70200	TB

61	9599.80400	9660.28500	986.70400	LSTR 1.3 OAK
62	9590.00300	9635.09500	984.77600	TB
63	9584.35700	9631.47600	980.80500	TE ER
64	9587.58000	9646.82400	981.59700	TE ER
65	9592.00600	9660.53500	982.56600	TE ER
66	9583.27900	9663.13300	982.32600	ER
67	9579.50100	9647.48900	981.22000	ER
68	9576.05400	9634.06600	980.63400	ER
69	9574.11500	9634.50400	980.49500	RW TOP -3.2BOT
70	9577.06500	9649.38500	981.13800	RW TOP -2.7BOT
71	9579.29500	9659.27500	981.53100	RW TOP -2.4BOT
72	9604.97000	9631.66800	986.90300	EDGE LSTR PT61
73	9569.05200	9630.50000	976.30500	LSTR 1.3 OAK
74	9581.63600	9642.69200	980.97500	EDGE LSTR PT73
75	9627.86400	9643.66400	1030.61200	12KV
76	9624.94500	9646.62200	1030.44900	12KV
77	9619.19600	9652.44700	1030.43000	12KV
78	9614.13900	9643.51900	1030.47000	12KV
79	9610.57600	9646.44300	1030.19500	12KV
80	9603.44400	9652.29600	1030.27500	12KV
81	9563.25100	9642.94900	1031.48900	12KV
82	9557.19800	9645.84700	1031.04700	12KV
83	9545.02900	9651.67100	1031.90900	12KV
84	9526.10700	9663.86600	1037.40300	LSTR N/FACE SYC
85	9526.27600	9663.78200	1031.72800	LSTR N/FACE SYC
86	9526.48000	9663.45200	1029.43200	LSTR N/FACE SYC
87	9630.88600	9808.96900	994.74000	CALC
88	9486.40300	9689.38800	982.59000	GSMC MARKER
89	9562.33700	9673.80700	976.74000	LSTR 3.0 OAK
90	9570.19900	9660.02700	976.64800	SV
91	9569.21100	9646.59700	976.46600	SV
92	9565.28500	9632.51300	975.09500	SV
93	9542.47300	9632.98300	973.33000	TB
94	9547.66400	9647.30400	974.96700	TB
95	9552.02900	9661.46300	975.48100	TB
96	9538.97500	9662.43000	968.97600	RIFL
97	9533.09400	9648.76500	968.17500	RIFL
98	9530.17700	9633.75000	971.33300	RIFL
99	9514.00100	9666.25600	977.50300	TB
100	9509.11900	9647.71600	981.44400	TB
101	9506.34300	9634.47700	981.67300	TB
102	9501.11900	9636.12800	981.65300	EP
103	9503.14600	9648.12400	981.32600	EP
104	9507.68400	9664.97600	981.04900	EP
105	9487.77400	9662.69200	981.45900	EP
106	9485.22000	9645.98800	981.49400	EP
107	9481.95600	9628.65800	981.50800	EP
108	9476.84800	9631.95300	986.97800	TB
109	9480.38800	9648.01800	986.25500	TB
110	9481.66200	9665.12000	986.08300	TB
111	9478.94100	9641.62900	986.87500	LSTR 2.0 OAK
112	9633.63000	9648.45900	1030.73100	ECPP TOP

113	9634.21300	9643.81800	1030.73200	12@INS
114	9633.41300	9646.85500	1030.68200	12@INS
115	9631.85400	9652.72900	1030.69700	12@INS
116	9629.96900	9643.72400	1030.66100	12KV
117	9627.63700	9646.68300	1030.53400	12KV
118	9622.98400	9652.58800	1030.50300	12KV
119	9612.87300	9643.55300	1030.48900	12KV
120	9610.99700	9646.51100	1030.20100	12KV
121	9607.33400	9652.44100	1030.28200	12KV
122	9480.48000	9642.10200	1038.37400	12KV
123	9482.09200	9645.08200	1037.16300	12KV
124	9485.33100	9651.07000	1037.14800	12KV
125	9524.61700	9661.04900	988.91000	LSTR E/FACE SYC
126	9525.51200	9660.94500	994.34500	LSTR E/FACE SYC
127	9526.07200	9660.95800	997.82900	LSTR E/FACE SYC
128	9526.66600	9661.12200	1001.37700	LSTR E/FACE SYC
129	9526.80000	9661.18400	1002.80600	LSTR E/FACE SYC
130	9619.23100	9648.18300	1016.99200	TELCO
131	9618.95300	9648.56800	1014.26900	TELCO
132	9484.99600	9647.07300	1029.48300	TELCO
133	9485.06500	9647.20500	1026.55700	TELCO
134	9468.13500	9695.10600	992.76000	GSMC MARKER
135	9512.13400	9625.91000	977.18800	LSTR 2.2 OAK
136	9535.38200	9642.96900	969.29300	EDGE LSTR PT135
137	9519.06900	9656.28500	1018.73500	LSTR BRANCH SYC
138	9514.66100	9660.73800	1018.83600	LSTR BRANCH SYC
139	9532.82200	9665.87100	1025.11600	LSTR BRANCH SYC
140	9518.06100	9660.97400	980.36500	LSTR S/FACE SYC
141	9522.02100	9660.58900	984.05600	LSTR S/FACE SYC
142	9523.35200	9660.13700	989.32900	LSTR S/FACE SYC
143	9524.13100	9660.12300	993.26100	LSTR S/FACE SYC
144	9525.07600	9660.31000	997.87500	LSTR S/FACE SYC
145	9525.87900	9660.52800	1002.39700	LSTR S/FACE SYC
146	9526.45400	9660.64300	1007.12300	LSTR S/FACE SYC
147	9527.44900	9661.45000	1015.47200	LSTR S/FACE SYC
148	9523.64200	9647.54300	1021.47800	TELCO
149	9545.21100	9629.93900	1047.10300	TELCO
150	9529.63300	9642.65400	1033.53600	12KV
151	9526.02000	9645.60500	1032.90100	12KV
152	9518.85600	9651.45600	1033.81600	12KV
153	9445.57300	9628.41200	997.46500	SV
154	9439.72700	9646.81400	999.25800	SV
155	9436.20800	9659.64100	1000.81200	SV
156	9384.81500	9633.17700	1019.09700	SV
157	9384.14200	9646.37400	1020.43600	SV
158	9384.11100	9659.48400	1021.85700	SV
159	9330.95300	9636.78400	1030.30000	SV
160	9335.20100	9664.87500	1037.95200	SV
161	9331.83500	9646.35800	1033.92700	ECPP 213072
162	9491.37900	9642.18300	1037.67700	12KV
163	9492.01200	9645.16900	1036.59600	12KV
164	9492.95600	9651.12200	1036.93700	12KV

165	9487.57800	9647.04700	1029.85900	TELCO
166	9486.83700	9647.16200	1026.78100	TELCO
167	9396.22200	9641.08000	1052.48100	12KV
168	9393.79000	9644.03700	1052.38200	12KV
169	9388.81000	9650.09000	1053.88200	12KV
170	9391.89600	9646.34100	1044.05700	TELCO
171	9391.87400	9646.37000	1042.12200	TELCO
172	9364.34900	9640.65900	1059.22100	12KV
173	9360.82400	9643.65700	1059.79400	12KV
174	9353.91400	9649.53600	1061.79600	12KV
175	9519.74000	9658.63600	979.86600	LSTR W/FACE SYC
176	9522.69200	9658.83200	982.22200	LSTR W/FACE SYC
177	9523.07200	9659.06600	984.44500	LSTR W/FACE SYC
178	9523.45700	9659.02600	988.18400	LSTR W/FACE SYC
179	9524.17900	9658.61100	991.42900	LSTR W/FACE SYC
180	9547.64200	9646.64800	1023.30900	LSTR OAK PT89 @ TELCO
181	9555.38700	9664.21800	1038.77800	LSTR OAK PT89 TOP

Baseline Name	San Diego Miramar
Survey Party	SWH/NRO
Date	7-6-07
Instrument Model	Topcon GPT 3003LW
Instrument Serial	1K0069
Reflector Model	
Reflector Serial	
Reflector Constant	

Notes:
Heat waves @ 20 + used signal meter to verify target

Occupied Sta	Pressure	Insturment Height	Target Sta	Target Height	Temp	Direct Face Measurements (ft) 1	2	3	4	5
0			1		78	30.481	30.481	30.480		
			3			91.437	91.438	91.430		
			10			290.413	290.413	290.413		
			20			608.420	608.420	608.421		
			30			911.532	911.532	911.532		

REC.
30.4813 m .002
300.0 ft .008
952 829 ft .032
608.4297 m .042
911.5519 m .067

Occupied Sta	Pressure	Insturment Height	Target Sta	Target Height	Temp	Reverse Face Measurements (ft) 1	2	3	4	5
0			1		78	30.481	30.480	30.480		
			3			91.438	91.438	91.438		
			10			290.413	290.414	290.414		
			20			608.419	608.418	608.418		
			30			911.532	911.531	911.531		

NOLTE
BEYOND ENGINEERING
15070 Avenue of Science, Suite 100 San Diego, CA 92128
858.385.0500 TEL 858.385.0400 FAX www.nolte.com

Job Numbers

SDGE Job Number: R071127, 5070652
Nolte Job Number: 5DB555200
Survey Number:

Job Information

Job Type: —
DPSS Number: —
W.O. Number: —
T.B. Number:

Sheet 1 of 2
Date: 11-19-07
Survey Crew: HAHN
PANKOSKY

Job Name: RICE FIRE

Job Address: 1500 BLK RICE CYN RD FLBK

Bench Mark: ASSUMED EPT1

Basis of Bearings: E. LINE PAR 3, PM. 7669

Basis of Coordinates: ASSUMED EPT1

Job Directories

Data Directory Path: N:\SDGE\R071127\5070652\SVR\FLDDTA\R071127SWH1119.CSV
Points Directory Path:
Photograph Directory Path:

Additional Information

Survey Notes: CHECKED WIRE LOCATION

RICE FIRE- RICE CYN RD.
SUBJECT

R071127 SWH DAP
JOB NO. DESIGNED BY

11-19-07
DATE CHECKED BY

NOLTE

11-19-07
TIME 8:30 56°F, 10:0Am 65°F

Tel7

200- TELCO
201- TELCO
202-204 12KV } S. EDGE/RD. ±

205-207 12kV 20' ± S/O N'LY POLE

Tel11

208-209 TELCO S. EDGE/RD. ±
210-212 12KV "
213-214 TELCO S/O RD.
215-217 12KV "

Tel9

218-220 12KV 20-25' ± S/N'LY POLE
221-223 " OPP SYCAMORE ±
224-226 " S/SYCAMORE

Device: Survey Controller (TSCe) on ActiveSync

Receive operation Completed.
2 File(s) Successfully Transferred.
Details are as follows:

1:45:26 PM 11/19/2007 Received File N:\SDGE\R071127\S070652\Survey\Field Data\R071127SWH1030.dc from Default. No Error
1:45:27 PM 11/19/2007 Received File N:\SDGE\R071127\S070652\Survey\Field Data\R071127SWH1119.csv from Export. No Error

200	9484.818	9647.199	1026.906	TELCO
201	9485.052	9647.051	1029.937	TELCO
202	9477.786	9642.058	1039.159	12KV
203	9479.479	9645.057	1037.927	12KV
204	9482.852	9651.033	1037.842	12KV
205	9613.263	9643.563	1030.587	12KV
206	9611.395	9646.494	1030.324	12KV
207	9608.246	9652.376	1030.397	12KV
208	9486.416	9647.167	1026.637	TELCO
209	9487.414	9647.028	1029.633	TELCO
210	9490.106	9651.111	1036.949	12KV
211	9490.272	9645.165	1036.594	12KV
212	9489.693	9642.178	1037.678	12KV
213	9390.158	9646.401	1042.262	TELCO
214	9390.193	9646.359	1044.148	TELCO
215	9387.115	9650.021	1054.023	12KV
216	9392.071	9644.121	1052.614	12KV
217	9394.555	9641.165	1052.717	12KV
218	9617.889	9652.448	1030.474	12KV
219	9623.761	9646.611	1030.486	12KV
220	9626.745	9643.646	1030.65	12KV
221	9543.885	9651.66	1032.294	12KV
222	9556.156	9645.835	1031.404	12KV
223	9562.178	9642.976	1031.899	12KV

File N:\SDGE\R071127\S070652\Survey\Field Data\R071127SWH1030.dc

```
SC V10-70        Copyright © Trimble Navigation Ltd, 1996-2003
           Serial no 2060        01-Nov-07 12:07
           Angle Degrees         Dist US Feet          Press inch Hg
           Temp Fahrenheit       Coord N-E-Elv         H.obs Right

JOB        Job ID R071127SWH1030
           Atmos crn Yes         C and R crn Yes       Refrac cnst 0.14
           Elev Yes              Sea level crn No

NOTE   TS  Time Date 10/30/2007 Time 12:57:30

F FILE FC  File                                 Used      No
           ID        00000                      Name      .

COGO   NM  Azmth     From North                 Dir       North-East

LOCELL KI  Local Rad <null>                     Flat.     <null>

SITE   KI  Prj Lat   <null>                     Nrth Offset 0.000
           Prj Lng   <null>                     East Offset 0.000
           Prj Hgt   <null>                     Scale       1.0000000000

SHFTGRD KI File name <no text>

PROJ   KI  Scale Only
           Orig Lat  <null>                     Orig Nrth <null>
           Orig Lng  <null>                     Orig East <null>
           Orig Hgt  <null>                     Orig Elev <null>
           Orient 1  <null>                     Orient 2  <null>
           Scale     1.0000000000

DATUM  KI  None
           Srce Rad  <null>                     Srce Flat <null>
           Rotn X    <null>                     Rotn Y    <null>
           Rotn Z    <null>                     Trans X   <null>
           Trans Y   <null>                     Trans Z   <null>
           Scale     <null>

PLANE  KI  Orig Nrth <null>                     Orig East <null>
           Trans N   <null>                     Trans E   <null>
           Rotation  <null>                     Scale     <null>

HGTADJ KI  Inclined Plane
           Orig Nrth <null>                     Slope N   <null>
           Orig East <null>                     Slope E   <null>
           Hgt Const <null>
           Geoid     <no text>

COORD  NM  System Name           <no text>
           Zone Name             <no text>
           Datum Name            <no text>
           Coord System Option   Scale Only

INSTR  NM  EDM       Topcon Generic
           Serial no <no text>                  Firmware  <no text>
           Mount     Not Applic                 Edm o/s   <null>
           J Constant 279.7                     N Constant 106.133
           H.col     <null>                     V.col     <null>

PRECIS NM  HA Prec   <null>                     EDM Prec  <null>
           VA Prec   <null>                     EDM (ppm) <null>

INSTR  NM  EDM       Topcon Generic
           Serial no <no text>                  Firmware  <no text>
           Mount     Not Applic                 Edm o/s   <null>
           J Constant 279.7                     N Constant 106.133
           H.col     <null>                     V.col     <null>

PRECIS NM  HA Prec   <null>                     EDM Prec  <null>
           VA Prec   <null>                     EDM (ppm) <null>

GRDPOS KI  Point ID 1            Nrth 10000.000        East 10000.000
           Class Normal          Elv  1000.000         Code MO 3/4IP T&D
           Obs  User Input

ATMOS  NM  Press     30.00                     Temp      75.0
           Refrac cnst 0.142                    PPM       <null>

GRDPOS FD  Point ID 1            Nrth 10000.000        East 10000.000
           Class Normal          Elv  1000.000         Code MO 3/4IP T&D
           Obs  User Input

STN    NM  ID        1                         Theo ht   6.120
           Scale     1.0000000000              Type      Fixed

GNDVEC TP  Point ID  2                         Reference 1
           Azmth     21°18'40"                 H.dist    <null>
           V.dist    <null>                    Code      MO 3/4IP T&D
           Obs       User Input                Class     Normal

BKB    NM  1                                   -         2
           Azmth     21°18'40"
           Face 1    21°18'40"                 Face 2    201°18'51"

NOTE   SN  Start of Rounds

TRGET  NM  Target ht 5.700                     P.C. mm   0.0
           Prism Off 0.000
```

File N:\SDGE\R071127\S070652\Survey\Field Data\R071127SWH1030.dc

```
OBS     F1  1                           -         2
            H.Angle   21°18'40"         H.Std Err <null>
            V.Angle   87°15'59"         V.Std Err <null>
            EDM Dist  194.580           S.Std Err <null>
            Code      MO 3/4IP T&D      Class     Backsight

TRGET   NM  Target ht 5.160            P.C. mm   0.0
            Prism Off 0.000

OBS     F1  1                           -         3
            H.Angle   222°39'08"        H.Std Err <null>
            V.Angle   92°08'40"         V.Std Err <null>
            EDM Dist  247.520           S.Std Err <null>
            Code      TA PK/WASH        Class     Normal

OBS     F2  1                           -         3
            H.Angle   42°39'08"         H.Std Err <null>
            V.Angle   267°51'33"        V.Std Err <null>
            EDM Dist  247.525           S.Std Err <null>
            Code      TA PK/WASH        Class     Normal

TRGET   NM  Target ht 5.700            P.C. mm   0.0
            Prism Off 0.000

OBS     F2  1                           -         2
            H.Angle   201°18'51"        H.Std Err <null>
            V.Angle   272°44'10"        V.Std Err <null>
            EDM Dist  194.580           S.Std Err <null>
            Code      MO 3/4IP T&D      Class     Backsight

MTA     MA  ID        2                 Code      MO 3/4IP T&D
            H.Angle   0°00'00"          H.Std Err <null>
            V.Angle   87°15'54.5"       V.Std Err <null>
            S.Dist    194.580           S.Std Err 0.000
            Angles    1                 BS Pt ID  2
            Distances 2

TRGET   NM  Target ht 5.160            P.C. mm   0.0
            Prism Off 0.000

MTA     MA  ID        3                 Code      TA PK/WASH
            H.Angle   201°20'22.5"      H.Std Err <null>
            V.Angle   92°08'33.5"       V.Std Err <null>
            S.Dist    247.522           S.Std Err 0.004
            Angles    1                 BS Pt ID  2
            Distances 2

RESIDUALSRR Round     1                 ID        2
            H Ang Res 0°00'00"          V Ang Res 0°00'04.5"
            EDM Res   0.000

RESIDUALSRR Round     1                 ID        3
            H Ang Res 0°00'05.5"        V Ang Res 0°00'06.5"
            EDM Res   -0.003

RESIDUALSRR Round     1                 ID        3
            H Ang Res -0°00'05.5"       V Ang Res -0°00'06.5"
            EDM Res   0.003

RESIDUALSRR Round     1                 ID        2
            H Ang Res 0°00'00"          V Ang Res -0°00'04.5"
            EDM Res   0.000

BKB     NM  1                           -         2
            Azmth     21°18'40"
            Face 1    21°18'40"         Face 2    201°18'55"

NOTE    SN  Start of Rounds

TRGET   NM  Target ht 5.700            P.C. mm   0.0
            Prism Off 0.000

OBS     F1  1                           -         2
            H.Angle   21°18'40"         H.Std Err <null>
            V.Angle   87°16'00"         V.Std Err <null>
            EDM Dist  194.575           S.Std Err <null>
            Code      MO 3/4IP T&D      Class     Backsight

TRGET   NM  Target ht 4.950            P.C. mm   0.0
            Prism Off 0.000

OBS     F1  1                           -         4
            H.Angle   270°09'22"        H.Std Err <null>
            V.Angle   93°39'44"         V.Std Err <null>
            EDM Dist  32.050            S.Std Err <null>
            Code      MO 3/4IP T&D      Class     Normal

OBS     F2  1                           -         4
            H.Angle   90°09'29"         H.Std Err <null>
            V.Angle   266°20'28"        V.Std Err <null>
            EDM Dist  32.050            S.Std Err <null>
            Code      MO 3/4IP T&D      Class     Normal

TRGET   NM  Target ht 5.700            P.C. mm   0.0
            Prism Off 0.000
```

File N:\SDGE\R071127\S070652\Survey\Field Data\R071127SWH1030.dc

```
OBS      F2  1                              -          2
             H.Angle   201°18'55"           H.Std Err <null>
             V.Angle   272°44'06"           V.Std Err <null>
             EDM Dist  194.580              S.Std Err <null>
             Code      MO 3/4IP T&D         Class     Backsight

MTA      MA  ID        2                    Code      MO 3/4IP T&D
             H.Angle   0°00'00"             H.Std Err <null>
             V.Angle   87°15'57"            V.Std Err <null>
             S.Dist    194.577              S.Std Err 0.004
             Angles    1                    BS Pt ID  2
             Distances 2

TRGET    NM  Target ht 4.950                P.C. mm   0.0
             Prism Off 0.000

MTA      MA  ID        4                    Code      MO 3/4IP T&D
             H.Angle   248°50'38"           H.Std Err <null>
             V.Angle   93°39'38"            V.Std Err <null>
             S.Dist    32.050               S.Std Err 0.000
             Angles    1                    BS Pt ID  2
             Distances 2

RESIDUALSRR  Round     1                    ID        2
             H Ang Res 0°00'00"             V Ang Res 0°00'03"
             EDM Res   -0.003

RESIDUALSRR  Round     1                    ID        4
             H Ang Res 0°00'04"             V Ang Res 0°00'06"
             EDM Res   0.000

RESIDUALSRR  Round     1                    ID        4
             H Ang Res -0°00'04"            V Ang Res -0°00'06"
             EDM Res   0.000

RESIDUALSRR  Round     1                    ID        2
             H Ang Res 0°00'00"             V Ang Res -0°00'03"
             EDM Res   0.003

BKB      NM  1                              -          2
             Azmth     21°18'40"
             Face 1    21°18'40"            Face 2    201°19'43"

NOTE     SN  Start of Rounds

TRGET    NM  Target ht 5.700                P.C. mm   0.0
             Prism Off 0.000

OBS      F1  1                              -          2
             H.Angle   21°18'40"            H.Std Err <null>
             V.Angle   87°15'52"            V.Std Err <null>
             EDM Dist  194.585              S.Std Err <null>
             Code      MO 3/4IP T&D         Class     Backsight

TRGET    NM  Target ht 4.950                P.C. mm   0.0
             Prism Off 0.000

OBS      F1  1                              -          5
             H.Angle   195°58'35"           H.Std Err <null>
             V.Angle   86°36'41"            V.Std Err <null>
             EDM Dist  65.290               S.Std Err <null>
             Code      MO PIN/CAP LS296     Class     Normal

F-CODE   F1  Code MO PIN/CAP LS2961

OBS      F2  1                              -          5
             H.Angle   15°58'36"            H.Std Err <null>
             V.Angle   273°23'34"           V.Std Err <null>
             EDM Dist  65.290               S.Std Err <null>
             Code      MO PIN/CAP LS296     Class     Normal

F-CODE   F2  Code MO PIN/CAP LS2961

TRGET    NM  Target ht 5.700                P.C. mm   0.0
             Prism Off 0.000

OBS      F2  1                              -          2
             H.Angle   201°19'43"           H.Std Err <null>
             V.Angle   272°44'13"           V.Std Err <null>
             EDM Dist  194.580              S.Std Err <null>
             Code      MO 3/4IP T&D         Class     Backsight

MTA      MA  ID        2                    Code      MO 3/4IP T&D
             H.Angle   0°00'00"             H.Std Err <null>
             V.Angle   87°15'49.5"          V.Std Err <null>
             S.Dist    194.582              S.Std Err 0.004
             Angles    1                    BS Pt ID  2
             Distances 2

TRGET    NM  Target ht 4.950                P.C. mm   0.0
             Prism Off 0.000

MTA      MA  ID        5                    Code      MO PIN/CAP LS296
             H.Angle   174°39'24"           H.Std Err <null>
             V.Angle   86°36'33.5"          V.Std Err <null>
             S.Dist    65.290               S.Std Err 0.000
             Angles    1                    BS Pt ID  2
             Distances 2
```

File N:\SDGE\R071127\S070652\Survey\Field Data\R071127SWH1030.dc

```
F-CODE   MA  Code MO PIN/CAP LS2961

RESIDUALSRR Round     1                    ID        2
            H Ang Res 0°00'00"             V Ang Res 0°00'02.5"
            EDM Res   0.003

RESIDUALSRR Round     1                    ID        5
            H Ang Res 0°00'31"             V Ang Res 0°00'07.5"
            EDM Res   0.000

RESIDUALSRR Round     1                    ID        5
            H Ang Res -0°00'31"            V Ang Res -0°00'07.5"
            EDM Res   0.000

RESIDUALSRR Round     1                    ID        2
            H Ang Res 0°00'00"             V Ang Res -0°00'02.5"
            EDM Res   -0.003

NOTE     TS  Time Date 10/30/2007 Time 13:32:02

BKB      NM  1                            -         2
             Azmth     21°18'40"
             Face 1    21°18'40"          Face 2    201°18'41"

NOTE     SN  Start of Rounds

TRGET    NM  Target ht 5.700              P.C. mm   0.0
             Prism Off 0.000

OBS      F1  1                            -         2
             H.Angle   21°18'40"          H.Std Err <null>
             V.Angle   87°15'55"          V.Std Err <null>
             EDM Dist  194.580            S.Std Err <null>
             Code      MO 3/4IP T&D       Class     Backsight

TRGET    NM  Target ht 4.950              P.C. mm   0.0
             Prism Off 0.000

OBS      F1  1                            -         6
             H.Angle   215°02'07"         H.Std Err <null>
             V.Angle   91°47'30"          V.Std Err <null>
             EDM Dist  205.750            S.Std Err <null>
             Code      MO PIN/CAP LS296   Class     Normal

F-CODE   F1  Code MO PIN/CAP LS2961

OBS      F2  1                            -         6
             H.Angle   35°02'12"          H.Std Err <null>
             V.Angle   268°12'35"         V.Std Err <null>
             EDM Dist  205.750            S.Std Err <null>
             Code      MO PIN/CAP LS296   Class     Normal

F-CODE   F2  Code MO PIN/CAP LS2961

TRGET    NM  Target ht 5.700              P.C. mm   0.0
             Prism Off 0.000

OBS      F2  1                            -         2
             H.Angle   201°18'41"         H.Std Err <null>
             V.Angle   272°44'11"         V.Std Err <null>
             EDM Dist  194.580            S.Std Err <null>
             Code      MO 3/4IP T&D       Class     Backsight

MTA      MA  ID        2                  Code      MO 3/4IP T&D
             H.Angle   0°00'00"           H.Std Err <null>
             V.Angle   87°15'52"          V.Std Err <null>
             S.Dist    194.580            S.Std Err 0.000
             Angles    1                  BS Pt ID  2
             Distances 2

TRGET    NM  Target ht 4.950              P.C. mm   0.0
             Prism Off 0.000

MTA      MA  ID        6                  Code      MO PIN/CAP LS296
             H.Angle   193°43'29"         H.Std Err <null>
             V.Angle   91°47'27.5"        V.Std Err <null>
             S.Dist    205.750            S.Std Err 0.000
             Angles    1                  BS Pt ID  2
             Distances 2

F-CODE   MA  Code MO PIN/CAP LS2961

RESIDUALSRR Round     1                    ID        2
            H Ang Res 0°00'00"             V Ang Res 0°00'03"
            EDM Res   0.000

RESIDUALSRR Round     1                    ID        6
            H Ang Res -0°00'02"            V Ang Res 0°00'02.5"
            EDM Res   0.000

RESIDUALSRR Round     1                    ID        6
            H Ang Res 0°00'02"             V Ang Res -0°00'02.5"
            EDM Res   0.000

RESIDUALSRR Round     1                    ID        2
            H Ang Res 0°00'00"             V Ang Res -0°00'03"
            EDM Res   0.000
```

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```
INSTR    NM  EDM       Topcon Generic
             Serial no <no text>              Firmware  <no text>
             Mount     Not Applic             Edm o/s   <null>
             J Constant 279.7                 N Constant 106.133
             H.col     <null>                 V.col     <null>

PRECIS   NM  HA Prec   <null>                 EDM Prec  <null>
             VA Prec   <null>                 EDM (ppm) <null>

ATMOS    NM  Press     30.00                  Temp      75.0
             Refrac cnst 0.142                PPM       <null>

GRDPOS   FD  Point ID 3            Nrth 9818.074        East 9832.413
             Class Normal          Elv  991.707         Code TA PK/WASH
             Obs  User Input

STN      NM  ID        3                      Theo ht   5.390
             Scale     1.0000000000           Type      Fixed

BKB      NM  3                                -         1
             Azmth     <null>
             Face 1    42°39'02.5"            Face 2    222°39'10"

NOTE     SN  Start of Rounds

TRGET    NM  Target ht 5.790                  P.C. mm   0.0
             Prism Off 0.000

OBS      F1  3                                -         1
             H.Angle   42°39'02.5"            H.Std Err <null>
             V.Angle   87°59'44"              V.Std Err <null>
             EDM Dist  247.500                S.Std Err <null>
             Code      MO 3/4IP T&D           Class     Backsight

POLAR D  F1  Azmth          <null>            H.Dist          0.001
                                              V.Dist          0.035

TRGET    NM  Target ht 4.950                  P.C. mm   0.0
             Prism Off 0.000

OBS      F1  3                                -         7
             H.Angle   195°32'55"             H.Std Err <null>
             V.Angle   92°10'45"              V.Std Err <null>
             EDM Dist  286.914                S.Std Err <null>
             Code      TA 50D                 Class     Normal

OBS      F2  3                                -         7
             H.Angle   15°32'58"              H.Std Err <null>
             V.Angle   267°49'23"             V.Std Err <null>
             EDM Dist  286.914                S.Std Err <null>
             Code      TA 50D                 Class     Normal

TRGET    NM  Target ht 5.790                  P.C. mm   0.0
             Prism Off 0.000

OBS      F2  3                                -         1
             H.Angle   222°39'10"             H.Std Err <null>
             V.Angle   272°00'33"             V.Std Err <null>
             EDM Dist  247.505                S.Std Err <null>
             Code      MO 3/4IP T&D           Class     Backsight

MTA      MA  ID        1                      Code      MO 3/4IP T&D
             H.Angle   0°00'00"               H.Std Err <null>
             V.Angle   87°59'35.5"            V.Std Err <null>
             S.Dist    247.502                S.Std Err 0.004
             Angles    1                      BS Pt ID  1
             Distances 2

TRGET    NM  Target ht 4.950                  P.C. mm   0.0
             Prism Off 0.000

MTA      MA  ID        7                      Code      TA 50D
             H.Angle   152°53'50.25"          H.Std Err <null>
             V.Angle   92°10'41"              V.Std Err <null>
             S.Dist    286.914                S.Std Err 0.000
             Angles    1                      BS Pt ID  1
             Distances 2

RESIDUALSRR  Round     1                      ID        1
             H Ang Res 0°00'00"               V Ang Res 0°00'08.5"
             EDM Res   -0.003

RESIDUALSRR  Round     1                      ID        7
             H Ang Res 0°00'02.25"            V Ang Res 0°00'04"
             EDM Res   0.000

RESIDUALSRR  Round     1                      ID        7
             H Ang Res -0°00'02.25"           V Ang Res -0°00'04"
             EDM Res   0.000

RESIDUALSRR  Round     1                      ID        1
             H Ang Res 0°00'00"               V Ang Res -0°00'08.5"
             EDM Res   0.003

BKB      NM  3                                -         1
             Azmth     <null>
             Face 1    42°39'02.5"            Face 2    222°39'12"

NOTE     SN  Start of Rounds
```

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```
TRGET   NM  Target ht 5.790                  P.C. mm   0.0
            Prism Off 0.000

OBS     F1  3                               -         1
            H.Angle   42°39'02.5"           H.Std Err <null>
            V.Angle   87°59'44"             V.Std Err <null>
            EDM Dist  247.505               S.Std Err <null>
            Code      MO 3/4IP T&D          Class     Backsight

TRGET   NM  Target ht 5.100                  P.C. mm   0.0
            Prism Off 0.000

OBS     F1  3                               -         8
            H.Angle   251°00'02"            H.Std Err <null>
            V.Angle   85°30'36"             V.Std Err <null>
            EDM Dist  225.040               S.Std Err <null>
            Code      TA 50D                Class     Normal

OBS     F2  3                               -         8
            H.Angle   71°00'10"             H.Std Err <null>
            V.Angle   274°29'40"            V.Std Err <null>
            EDM Dist  225.035               S.Std Err <null>
            Code      TA 50D                Class     Normal

TRGET   NM  Target ht 5.790                  P.C. mm   0.0
            Prism Off 0.000

OBS     F2  3                               -         1
            H.Angle   222°39'12"            H.Std Err <null>
            V.Angle   272°00'29"            V.Std Err <null>
            EDM Dist  247.505               S.Std Err <null>
            Code      MO 3/4IP T&D          Class     Backsight

MTA     MA  ID        1                     Code      MO 3/4IP T&D
            H.Angle   0°00'00"              H.Std Err <null>
            V.Angle   87°59'37.5"           V.Std Err <null>
            S.Dist    247.505               S.Std Err 0.000
            Angles    1                     BS Pt ID  1
            Distances 2

TRGET   NM  Target ht 5.100                  P.C. mm   0.0
            Prism Off 0.000

MTA     MA  ID        8                     Code      TA 50D
            H.Angle   208°20'58.75"         H.Std Err <null>
            V.Angle   85°30'28"             V.Std Err <null>
            S.Dist    225.037               S.Std Err 0.004
            Angles    1                     BS Pt ID  1
            Distances 2

RESIDUALSRR Round     1                     ID        1
            H Ang Res 0°00'00"              V Ang Res 0°00'06.5"
            EDM Res   0.000

RESIDUALSRR Round     1                     ID        8
            H Ang Res 0°00'00.75"           V Ang Res 0°00'08"
            EDM Res   0.003

RESIDUALSRR Round     1                     ID        8
            H Ang Res -0°00'00.75"          V Ang Res -0°00'08"
            EDM Res   -0.003

RESIDUALSRR Round     1                     ID        1
            H Ang Res 0°00'00"              V Ang Res -0°00'06.5"
            EDM Res   0.000

NOTE    TS  Time Date 10/31/2007 Time 08:30:22

INSTR   NM  EDM       Topcon Generic
            Serial no <no text>             Firmware  <no text>
            Mount     Not Applic            Edm o/s   <null>
            J Constant 279.7                N Constant 106.133
            H.col     <null>                V.col     <null>

PRECIS  NM  HA Prec   <null>                EDM Prec  <null>
            VA Prec   <null>                EDM (ppm) <null>

ATMOS   NM  Press     30.00                 Temp      65.0
            Refrac cnst 0.142               PPM       <null>

GRDPOS  FD  Point ID 8          Nrth 9745.035          East 9620.288
            Class Normal        Elv  1009.624          Code TA 50D
            Obs  User Input

STN     NM  ID        8                     Theo ht   5.600
            Scale     1.0000000000          Type      Fixed

BKB     NM  8                               -         3
            Azmth     <null>
            Face 1    71°00'01.25"          Face 2    250°59'54"

NOTE    SN  Start of Rounds

TRGET   NM  Target ht 5.000                  P.C. mm   0.0
            Prism Off 0.000
```

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```
OBS      F1  8                              -          3
             H.Angle   71°00'01.25"          H.Std Err <null>
             V.Angle   94°43'14"             V.Std Err <null>
             EDM Dist  225.105               S.Std Err <null>
             Code      TA PK/WASH            Class     Backsight

POLAR D  F1  Azmth          <null>           H.Dist          0.006
                                             V.Dist          0.007

TRGET    NM  Target ht 4.860                 P.C. mm   0.0
             Prism Off 0.000

OBS      F1  8                              -          9
             H.Angle   212°14'47"            H.Std Err <null>
             V.Angle   98°41'25"             V.Std Err <null>
             EDM Dist  69.365                S.Std Err <null>
             Code      TA 50D                Class     Normal

OBS      F2  8                              -          9
             H.Angle   32°14'54"             H.Std Err <null>
             V.Angle   261°18'52"            V.Std Err <null>
             EDM Dist  69.365                S.Std Err <null>
             Code      TA 50D                Class     Normal

TRGET    NM  Target ht 5.000                 P.C. mm   0.0
             Prism Off 0.000

OBS      F2  8                              -          3
             H.Angle   250°59'54"            H.Std Err <null>
             V.Angle   265°16'42"            V.Std Err <null>
             EDM Dist  225.105               S.Std Err <null>
             Code      TA PK/WASH            Class     Backsight

MTA      MA  ID        3                    Code      TA PK/WASH
             H.Angle   0°00'00"              H.Std Err <null>
             V.Angle   94°43'16"             V.Std Err <null>
             S.Dist    225.105               S.Std Err 0.000
             Angles    1                     BS Pt ID  3
             Distances 2

TRGET    NM  Target ht 4.860                 P.C. mm   0.0
             Prism Off 0.000

MTA      MA  ID        9                    Code      TA 50D
             H.Angle   141°14'52.875"        H.Std Err <null>
             V.Angle   98°41'16.5"           V.Std Err <null>
             S.Dist    69.365                S.Std Err 0.000
             Angles    1                     BS Pt ID  3
             Distances 2

RESIDUALSRR  Round     1                    ID        3
             H Ang Res 0°00'00"              V Ang Res -0°00'02"
             EDM Res   0.000

RESIDUALSRR  Round     1                    ID        9
             H Ang Res -0°00'07.125"         V Ang Res 0°00'08.5"
             EDM Res   0.000

RESIDUALSRR  Round     1                    ID        9
             H Ang Res 0°00'07.125"          V Ang Res -0°00'08.5"
             EDM Res   0.000

RESIDUALSRR  Round     1                    ID        3
             H Ang Res 0°00'00"              V Ang Res 0°00'02"
             EDM Res   0.000

TRGET    NM  Target ht 4.950                 P.C. mm   0.0
             Prism Off 0.000

OBS      F1  8                              -          21
             H.Angle   271°28'57"            H.Std Err <null>
             V.Angle   95°01'31"             V.Std Err <null>
             EDM Dist  78.485                S.Std Err <null>
             Code      GSVA                  Class     Normal

OBS      F1  8                              -          22
             H.Angle   203°25'42"            H.Std Err <null>
             V.Angle   99°05'54"             V.Std Err <null>
             EDM Dist  150.400               S.Std Err <null>
             Code      ECSP                  Class     Normal

TRGET    NM  Target ht 5.700                 P.C. mm   0.0
             Prism Off 0.000

OBS      F1  8                              -          23
             H.Angle   178°47'33.459"        H.Std Err <null>
             V.Angle   99°19'33.411"         V.Std Err <null>
             EDM Dist  152.642               S.Std Err <null>
             Code      ECSP                  Class     Normal

BKB      NM  8                              -          3
             Azmth     <null>
             Face 1    71°00'01.25"          Face 2    <null>

TRGET    NM  Target ht 5.000                 P.C. mm   0.0
             Prism Off 0.000
```

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```
OBS     F1  8                                   -         3
            H.Angle   71°00'01.25"              H.Std Err <null>
            V.Angle   94°43'19"                 V.Std Err <null>
            EDM Dist  225.100                   S.Std Err <null>
            Code      TA PK/WASH                Class     Backsight

TRGET   NM  Target ht 4.950                     P.C. mm   0.0
            Prism Off 0.000

OBS     F1  8                                   -         24
            H.Angle   178°12'09"                H.Std Err <null>
            V.Angle   98°34'37"                 V.Std Err <null>
            EDM Dist  106.690                   S.Std Err <null>
            Code      ECGY                      Class     Normal

OBS     F1  8                                   -         25
            H.Angle   157°22'42"                H.Std Err <null>
            V.Angle   96°22'29"                 V.Std Err <null>
            EDM Dist  77.475                    S.Std Err <null>
            Code      ECGY TELCO                Class     Normal

NOTE    TS  Time Date 10/31/2007 Time 09:58:10

BKB     NM  8                                   -         3
            Azmth     <null>
            Face 1    71°00'01.25"              Face 2    <null>

TRGET   NM  Target ht 5.000                     P.C. mm   0.0
            Prism Off 0.000

OBS     F1  8                                   -         3
            H.Angle   71°00'01.25"              H.Std Err <null>
            V.Angle   94°43'28"                 V.Std Err <null>
            EDM Dist  225.105                   S.Std Err <null>
            Code      TA PK/WASH                Class     Backsight

TRGET   NM  Target ht 0.000                     P.C. mm   0.0
            Prism Off 0.000

OBS     F1  8                                   -         26
            H.Angle   168°00'58"                H.Std Err <null>
            V.Angle   82°10'52"                 V.Std Err <null>
            EDM Dist  114.140                   S.Std Err <null>
            Code      12@INS                    Class     Normal

OBS     F1  8                                   -         27
            H.Angle   166°38'54"                H.Std Err <null>
            V.Angle   82°17'16"                 V.Std Err <null>
            EDM Dist  115.530                   S.Std Err <null>
            Code      12@INS                    Class     Normal

OBS     F1  8                                   -         28
            H.Angle   164°01'51"                H.Std Err <null>
            V.Angle   82°28'51"                 V.Std Err <null>
            EDM Dist  118.535                   S.Std Err <null>
            Code      12@INS                    Class     Normal

OBS     F1  8                                   -         29
            H.Angle   165°51'12"                H.Std Err <null>
            V.Angle   82°17'35.842"             V.Std Err <null>
            EDM Dist  115.807                   S.Std Err <null>
            Code      ECPP TOP                  Class     Normal

OBS     F1  8                                   -         30
            H.Angle   166°04'20"                H.Std Err <null>
            V.Angle   82°59'25"                 V.Std Err <null>
            EDM Dist  115.420                   S.Std Err <null>
            Code      ANC ATT                   Class     Normal

OBS     F1  8                                   -         31
            H.Angle   165°37'19"                H.Std Err <null>
            V.Angle   82°38'48"                 V.Std Err <null>
            EDM Dist  115.155                   S.Std Err <null>
            Code      CRSARM ATT                Class     Normal

OBS     F1  8                                   -         32
            H.Angle   176°36'36"                H.Std Err <null>
            V.Angle   82°47'44.494"             V.Std Err <null>
            EDM Dist  419.957                   S.Std Err <null>
            Code      ECPP TOP                  Class     Normal

OBS     F1  8                                   -         33
            H.Angle   177°14'14"                H.Std Err <null>
            V.Angle   82°47'52"                 V.Std Err <null>
            EDM Dist  419.439                   S.Std Err <null>
            Code      12@INS                    Class     Normal

OBS     F1  8                                   -         34
            H.Angle   176°49'32"                H.Std Err <null>
            V.Angle   82°47'00"                 V.Std Err <null>
            EDM Dist  419.414                   S.Std Err <null>
            Code      12@INS                    Class     Normal

OBS     F1  8                                   -         35
            H.Angle   175°59'40"                H.Std Err <null>
            V.Angle   82°45'37"                 V.Std Err <null>
            EDM Dist  419.284                   S.Std Err <null>
            Code      12@INS                    Class     Normal
```

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```
OBS     F1  8                                -       36
            H.Angle   176°36'45"             H.Std Err <null>
            V.Angle   82°52'55"              V.Std Err <null>
            EDM Dist  419.209                S.Std Err <null>
            Code      CRSARM ATT             Class     Normal

OBS     F1  8                                -       37
            H.Angle   176°33'56"             H.Std Err <null>
            V.Angle   83°10'45"              V.Std Err <null>
            EDM Dist  416.319                S.Std Err <null>
            Code      12@ARM                 Class     Normal

OBS     F1  8                                -       38
            H.Angle   176°24'16"             H.Std Err <null>
            V.Angle   83°27'52"              V.Std Err <null>
            EDM Dist  423.599                S.Std Err <null>
            Code      12@ARM                 Class     Normal

OBS     F1  8                                -       39
            H.Angle   176°40'16"             H.Std Err <null>
            V.Angle   83°00'24"              V.Std Err <null>
            EDM Dist  419.659                S.Std Err <null>
            Code      ANC ATT                Class     Normal

OBS     F1  8                                -       40
            H.Angle   176°37'37"             H.Std Err <null>
            V.Angle   84°28'26"              V.Std Err <null>
            EDM Dist  417.369                S.Std Err <null>
            Code      TELCO ANC ATT          Class     Normal

OBS     F1  8                                -       41
            H.Angle   176°36'42"             H.Std Err <null>
            V.Angle   84°38'54"              V.Std Err <null>
            EDM Dist  417.239                S.Std Err <null>
            Code      TELCO ANC ATT          Class     Normal

OBS     F1  8                                -       42
            H.Angle   168°41'27"             H.Std Err <null>
            V.Angle   83°04'51"              V.Std Err <null>
            EDM Dist  225.185                S.Std Err <null>
            Code      LSTR TOP N/FACE        Class     Normal

F-CODE  F1  Code LSTR TOP N/FACE SYC

OBS     F1  8                                -       43
            H.Angle   168°41'26"             H.Std Err <null>
            V.Angle   83°47'03"              V.Std Err <null>
            EDM Dist  224.630                S.Std Err <null>
            Code      LSTR N/FACE SYC        Class     Normal

OBS     F1  8                                -       44
            H.Angle   168°41'26"             H.Std Err <null>
            V.Angle   84°08'16"              V.Std Err <null>
            EDM Dist  224.395                S.Std Err <null>
            Code      LSTR N/FACE SYC        Class     Normal

BKB     NM  8                                -       3
            Azmth     <null>
            Face 1    71°00'01.25"           Face 2    <null>

TRGET   NM  Target ht 5.000                  P.C. mm   0.0
            Prism Off 0.000

OBS     F1  8                                -       3
            H.Angle   71°00'01.25"           H.Std Err <null>
            V.Angle   94°43'29"              V.Std Err <null>
            EDM Dist  225.105                S.Std Err <null>
            Code      TA PK/WASH             Class     Backsight

TRGET   NM  Target ht 5.000                  P.C. mm   0.0
            Prism Off 0.000

MTA     MA  ID        3                      Code      TA PK/WASH
            H.Angle   0°00'00"               H.Std Err <null>
            V.Angle   94°43'25.333"          V.Std Err <null>
            S.Dist    225.103                S.Std Err <null>
            Angles    3                      BS Pt ID  3
            Distances 3

INSTR   NM  EDM       Topcon Generic
            Serial no <no text>              Firmware  <no text>
            Mount     Not Applic             Edm o/s   <null>
            J Constant 279.7                 N Constant 106.133
            H.col     <null>                 V.col     <null>

PRECIS  NM  HA Prec   <null>                 EDM Prec  <null>
            VA Prec   <null>                 EDM (ppm) <null>

ATMOS   NM  Press     30.00                  Temp      65.0
            Refrac cnst 0.142                PPM       <null>

GRDPOS  FD  Point ID 9          Nrth 9687.043          East 9583.700
            Class Normal        Elv  999.886           Code TA 50D
            Obs  User Input

STN     NM  ID        9                      Theo ht   5.530
            Scale     1.0000000000           Type      Fixed
```

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```
BKB     NM  9                               -         8
            Azmth     <null>
            Face 1    32°14'54.125"         Face 2    <null>

TRGET   NM  Target ht 5.360                 P.C. mm   0.0
            Prism Off 0.000

OBS     F1  9                               -         8
            H.Angle   32°14'54.125"         H.Std Err <null>
            V.Angle   82°05'05"             V.Std Err <null>
            EDM Dist  69.235                S.Std Err <null>
            Code      TA 50D                Class     Backsight

POLAR D F1  Azmth           <null>          H.Dist          -0.006
                                            V.Dist          0.033

TRGET   NM  Target ht 0.000                 P.C. mm   0.0
            Prism Off 0.000

OBS     F1  9                               -         45
            H.Angle   129°49'59"            H.Std Err <null>
            V.Angle   75°55'47"             V.Std Err <null>
            EDM Dist  86.560                S.Std Err <null>
            Code      TRNSFRMR BRCKT        Class     Normal

NOTE    TS  Time Date 10/31/2007 Time 10:30:45

OBS     F1  9                               -         46
            H.Angle   129°02'34"            H.Std Err <null>
            V.Angle   78°29'35"             V.Std Err <null>
            EDM Dist  85.440                S.Std Err <null>
            Code      UG CRSS ARM ATT       Class     Normal

OBS     F1  9                               -         47
            H.Angle   128°56'23"            H.Std Err <null>
            V.Angle   82°22'55"             V.Std Err <null>
            EDM Dist  84.725                S.Std Err <null>
            Code      TELCO ARM ATT         Class     Normal

OBS     F1  9                               -         48
            H.Angle   129°38'03"            H.Std Err <null>
            V.Angle   83°04'45"             V.Std Err <null>
            EDM Dist  84.150                S.Std Err <null>
            Code      TELCO ANC ATT         Class     Normal

OBS     F1  9                               -         49
            H.Angle   129°51'54"            H.Std Err <null>
            V.Angle   82°41'12"             V.Std Err <null>
            EDM Dist  84.725                S.Std Err <null>
            Code      TELCO ATT             Class     Normal

OBS     F1  9                               -         50
            H.Angle   129°50'06"            H.Std Err <null>
            V.Angle   78°52'44"             V.Std Err <null>
            EDM Dist  85.815                S.Std Err <null>
            Code      ANC ATT               Class     Normal

OBS     F1  9                               -         51
            H.Angle   129°48'55"            H.Std Err <null>
            V.Angle   83°33'44"             V.Std Err <null>
            EDM Dist  84.700                S.Std Err <null>
            Code      TELCO ANC ATT         Class     Normal

OBS     F1  9                               -         52
            H.Angle   129°30'00"            H.Std Err <null>
            V.Angle   83°35'46"             V.Std Err <null>
            EDM Dist  84.150                S.Std Err <null>
            Code      TELCO ATT             Class     Normal

OBS     F1  9                               -         53
            H.Angle   129°07'46"            H.Std Err <null>
            V.Angle   84°15'40"             V.Std Err <null>
            EDM Dist  84.270                S.Std Err <null>
            Code      TELCO ANC ATT         Class     Normal

TRGET   NM  Target ht 4.950                 P.C. mm   0.0
            Prism Off 0.000

OBS     F1  9                               -         54
            H.Angle   129°20'17"            H.Std Err <null>
            V.Angle   95°27'58"             V.Std Err <null>
            EDM Dist  84.820                S.Std Err <null>
            Code      ECPP 112340           Class     Normal

OBS     F1  9                               -         55
            H.Angle   145°40'22"            H.Std Err <null>
            V.Angle   97°26'33"             V.Std Err <null>
            EDM Dist  89.860                S.Std Err <null>
            Code      ECGY                  Class     Normal

OBS     F1  9                               -         56
            H.Angle   151°25'28"            H.Std Err <null>
            V.Angle   98°14'23"             V.Std Err <null>
            EDM Dist  104.495               S.Std Err <null>
            Code      GSMC MARKER           Class     Normal
```

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```
OBS     F1  9                                -         57
            H.Angle   133°20'05"             H.Std Err <null>
            V.Angle   95°21'36"              V.Std Err <null>
            EDM Dist  75.020                 S.Std Err <null>
            Code      SV                     Class     Normal

OBS     F1  9                                -         58
            H.Angle   125°30'04"             H.Std Err <null>
            V.Angle   95°11'08"              V.Std Err <null>
            EDM Dist  97.345                 S.Std Err <null>
            Code      SV                     Class     Normal

OBS     F1  9                                -         59
            H.Angle   144°27'30"             H.Std Err <null>
            V.Angle   97°06'24"              V.Std Err <null>
            EDM Dist  110.370                S.Std Err <null>
            Code      TB                     Class     Normal

TRGET   NM  Target ht 0.500                  P.C. mm   0.0
            Prism Off 0.000

OBS     F1  9                                -         60
            H.Angle   139°39'30"             H.Std Err <null>
            V.Angle   98°55'04"              V.Std Err <null>
            EDM Dist  117.500                S.Std Err <null>
            Code      TB                     Class     Normal

OBS     F1  9                                -         61
            H.Angle   138°43'14.861"         H.Std Err <null>
            V.Angle   98°54'58.769"          V.Std Err <null>
            EDM Dist  117.505                S.Std Err <null>
            Code      LSTR 1.3 OAK           Class     Normal

TRGET   NM  Target ht 4.950                  P.C. mm   0.0
            Prism Off 0.000

OBS     F1  9                                -         62
            H.Angle   152°05'35"             H.Std Err <null>
            V.Angle   98°07'55"              V.Std Err <null>
            EDM Dist  110.925                S.Std Err <null>
            Code      TB                     Class     Normal

NOTE    TS  Time Date 10/31/2007 Time 11:01:46

OBS     F1  9                                -         63
            H.Angle   155°02'57"             H.Std Err <null>
            V.Angle   99°50'55"              V.Std Err <null>
            EDM Dist  114.950                S.Std Err <null>
            Code      TE ER                  Class     Normal

OBS     F1  9                                -         64
            H.Angle   147°35'56"             H.Std Err <null>
            V.Angle   99°06'01"              V.Std Err <null>
            EDM Dist  119.305                S.Std Err <null>
            Code      TE ER                  Class     Normal

OBS     F1  9                                -         65
            H.Angle   141°02'44"             H.Std Err <null>
            V.Angle   98°19'59"              V.Std Err <null>
            EDM Dist  123.515                S.Std Err <null>
            Code      TE ER                  Class     Normal

OBS     F1  9                                -         66
            H.Angle   142°33'56"             H.Std Err <null>
            V.Angle   97°54'12"              V.Std Err <null>
            EDM Dist  131.930                S.Std Err <null>
            Code      ER                     Class     Normal

OBS     F1  9                                -         67
            H.Angle   149°19'33"             H.Std Err <null>
            V.Angle   98°45'02"              V.Std Err <null>
            EDM Dist  126.510                S.Std Err <null>
            Code      ER                     Class     Normal

OBS     F1  9                                -         68
            H.Angle   155°35'31"             H.Std Err <null>
            V.Angle   99°14'32"              V.Std Err <null>
            EDM Dist  123.485                S.Std Err <null>
            Code      ER                     Class     Normal

OBS     F1  9                                -         69
            H.Angle   155°46'42"             H.Std Err <null>
            V.Angle   99°09'43"              V.Std Err <null>
            EDM Dist  125.430                S.Std Err <null>
            Code      RW TOP -3.2BOT         Class     Normal

OBS     F1  9                                -         70
            H.Angle   149°09'07"             H.Std Err <null>
            V.Angle   98°34'50"              V.Std Err <null>
            EDM Dist  129.550                S.Std Err <null>
            Code      RW TOP -2.7BOT         Class     Normal

OBS     F1  9                                -         71
            H.Angle   144°57'14"             H.Std Err <null>
            V.Angle   98°11'15"              V.Std Err <null>
            EDM Dist  132.965                S.Std Err <null>
            Code      RW TOP -2.4BOT         Class     Normal
```

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OBS	F1	9		-	72
		H.Angle	149°41'44"	H.Std Err	<null>
		V.Angle	98°07'13"	V.Std Err	<null>
		EDM Dist	96.025	S.Std Err	<null>
		Code	EDGE LSTR PT61	Class	Normal
OBS	F1	9		-	73
		H.Angle	158°21'54.005"	H.Std Err	<null>
		V.Angle	100°46'37.248"	V.Std Err	<null>
		EDM Dist	129.212	S.Std Err	<null>
		Code	LSTR 1.3 OAK	Class	Normal
OBS	F1	9		-	74
		H.Angle	150°45'58"	H.Std Err	<null>
		V.Angle	99°10'00"	V.Std Err	<null>
		EDM Dist	122.355	S.Std Err	<null>
		Code	EDGE LSTR PT73	Class	Normal
TRGET	NM	Target ht	0.000	P.C. mm	0.0
		Prism Off	0.000		
OBS	F1	9		-	75
		H.Angle	134°37'21"	H.Std Err	<null>
		V.Angle	73°21'00"	V.Std Err	<null>
		EDM Dist	87.935	S.Std Err	<null>
		Code	12KV	Class	Normal
OBS	F1	9		-	76
		H.Angle	134°37'21"	H.Std Err	<null>
		V.Angle	74°11'23"	V.Std Err	<null>
		EDM Dist	91.880	S.Std Err	<null>
		Code	12KV	Class	Normal
OBS	F1	9		-	77
		H.Angle	134°37'21"	H.Std Err	<null>
		V.Angle	75°28'51"	V.Std Err	<null>
		EDM Dist	99.775	S.Std Err	<null>
		Code	12KV	Class	Normal
OBS	F1	9		-	78
		H.Angle	140°37'50"	H.Std Err	<null>
		V.Angle	75°07'20"	V.Std Err	<null>
		EDM Dist	97.575	S.Std Err	<null>
		Code	12KV	Class	Normal
OBS	F1	9		-	79
		H.Angle	140°37'50"	H.Std Err	<null>
		V.Angle	75°56'12"	V.Std Err	<null>
		EDM Dist	101.970	S.Std Err	<null>
		Code	12KV	Class	Normal
OBS	F1	9		-	80
		H.Angle	140°37'49"	H.Std Err	<null>
		V.Angle	77°03'14"	V.Std Err	<null>
		EDM Dist	110.960	S.Std Err	<null>
		Code	12KV	Class	Normal
OBS	F1	9		-	81
		H.Angle	154°25'25"	H.Std Err	<null>
		V.Angle	79°14'36"	V.Std Err	<null>
		EDM Dist	139.695	S.Std Err	<null>
		Code	12KV	Class	Normal
OBS	F1	9		-	82
		H.Angle	154°25'24"	H.Std Err	<null>
		V.Angle	79°54'16"	V.Std Err	<null>
		EDM Dist	146.215	S.Std Err	<null>
		Code	12KV	Class	Normal
OBS	F1	9		-	83
		H.Angle	154°25'24"	H.Std Err	<null>
		V.Angle	80°26'54"	V.Std Err	<null>
		EDM Dist	159.655	S.Std Err	<null>
		Code	12KV	Class	Normal
OBS	F1	9		-	84
		H.Angle	153°31'16"	H.Std Err	<null>
		V.Angle	79°54'45"	V.Std Err	<null>
		EDM Dist	182.620	S.Std Err	<null>
		Code	LSTR N/FACE SYC	Class	Normal
OBS	F1	9		-	85
		H.Angle	153°31'16"	H.Std Err	<null>
		V.Angle	81°39'57"	V.Std Err	<null>
		EDM Dist	181.525	S.Std Err	<null>
		Code	LSTR N/FACE SYC	Class	Normal
OBS	F1	9		-	86
		H.Angle	153°35'11"	H.Std Err	<null>
		V.Angle	82°22'13"	V.Std Err	<null>
		EDM Dist	180.880	S.Std Err	<null>
		Code	LSTR N/FACE SYC	Class	Normal
BKB	NM	9		-	8
		Azmth	<null>		
		Face 1	32°14'54.125"	Face 2	<null>
TRGET	NM	Target ht	5.360	P.C. mm	0.0
		Prism Off	0.000		

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```
OBS      F1  9                                   -          8
             H.Angle   32°14'54.125"             H.Std Err <null>
             V.Angle   82°05'02"                 V.Std Err <null>
             EDM Dist  69.230                    S.Std Err <null>
             Code      TA 50D                    Class     Backsight

TRGET    NM  Target ht 5.360                     P.C. mm   0.0
             Prism Off 0.000

MTA      MA  ID        8                         Code      TA 50D
             H.Angle   0°00'00"                  H.Std Err <null>
             V.Angle   82°05'03.5"               V.Std Err <null>
             S.Dist    69.232                    S.Std Err <null>
             Angles    2                         BS Pt ID  8
             Distances 2

NOTE     TS  Time Date 10/31/2007 Time 12:13:46

INSTR    NM  EDM       Topcon Generic
             Serial no <no text>                 Firmware  <no text>
             Mount     Not Applic                Edm o/s   <null>
             J Constant 279.7                    N Constant 106.133
             H.col     <null>                    V.col     <null>

PRECIS   NM  HA Prec   <null>                    EDM Prec  <null>
             VA Prec   <null>                    EDM (ppm) <null>

INSTR    NM  EDM       Topcon Generic
             Serial no <no text>                 Firmware  <no text>
             Mount     Not Applic                Edm o/s   <null>
             J Constant 279.7                    N Constant 106.133
             H.col     <null>                    V.col     <null>

PRECIS   NM  HA Prec   <null>                    EDM Prec  <null>
             VA Prec   <null>                    EDM (ppm) <null>

ATMOS    NM  Press     30.00                     Temp      75.0
             Refrac cnst 0.142                   PPM       <null>

GRDPOS   PD  Point ID 7            Nrth 9541.856          East 9755.562
             Class Normal          Elv  981.244           Code TA 50D
             Obs  User Input

STN      NM  ID        7                         Theo ht   5.540
             Scale     1.0000000000              Type      Fixed

BKB      NM  7                                   -          3
             Azmth     <null>
             Face 1    15°32'52.75"              Face 2    195°33'02"

NOTE     SN  Start of Rounds

TRGET    NM  Target ht 5.000                     P.C. mm   0.0
             Prism Off 0.000

OBS      F1  7                                   -          3
             H.Angle   15°32'52.75"              H.Std Err <null>
             V.Angle   98°01'13"                 V.Std Err <null>
             EDM Dist  286.879                   S.Std Err <null>
             Code      TA PK/WASH                Class     Backsight

POLAR*D  F1  Azmth           <null>              H.Dist         -0.001
                                                 V.Dist          0.010

TRGET    NM  Target ht 4.850                     P.C. mm   0.0
             Prism Off 0.000

OBS      F1  7                                   -          10
             H.Angle   235°13'43"                H.Std Err <null>
             V.Angle   89°51'39"                 V.Std Err <null>
             EDM Dist  95.485                    S.Std Err <null>
             Code      TA PIN/CAP                Class     Normal

OBS      F2  7                                   -          10
             H.Angle   55°13'51"                 H.Std Err <null>
             V.Angle   270°08'18"                V.Std Err <null>
             EDM Dist  95.490                    S.Std Err <null>
             Code      TA PIN/CAP                Class     Normal

TRGET    NM  Target ht 5.000                     P.C. mm   0.0
             Prism Off 0.000

OBS      F2  7                                   -          3
             H.Angle   195°33'02"                H.Std Err <null>
             V.Angle   271°58'46"                V.Std Err <null>
             EDM Dist  286.884                   S.Std Err <null>
             Code      TA PK/WASH                Class     Backsight

MTA      MA  ID        3                         Code      TA PK/WASH
             H.Angle   0°00'00"                  H.Std Err <null>
             V.Angle   88°01'13.5"               V.Std Err <null>
             S.Dist    286.882                   S.Std Err 0.004
             Angles    1                         BS Pt ID  3
             Distances 2

TRGET    NM  Target ht 4.850                     P.C. mm   0.0
             Prism Off 0.000
```

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```
MTA      MA  ID         10                    Code       TA PIN/CAP
             H.Angle    219°40'49.625"        H.Std Err  <null>
             V.Angle    89°51'40.5"           V.Std Err  <null>
             S.Dist     95.487                S.Std Err  0.004
             Angles     1                     BS Pt ID   3
             Distances  2

RESIDUALSRR  Round      1                     ID         3
             H Ang Res  0°00'00"              V Ang Res  -0°00'00.5"
             EDM Res    -0.003

RESIDUALSRR  Round      1                     ID         10
             H Ang Res  0°00'00.625"          V Ang Res  -0°00'01.5"
             EDM Res    -0.003

RESIDUALSRR  Round      1                     ID         10
             H Ang Res  -0°00'00.625"         V Ang Res  0°00'01.5"
             EDM Res    0.003

RESIDUALSRR  Round      1                     ID         3
             H Ang Res  0°00'00"              V Ang Res  0°00'00.5"
             EDM Res    0.003

GRDPOS   IX  Point ID 87          Nrth 9630.886          East 9808.969
             Class Normal          Elv  994.740          Code CALC
             Obs  User Input

BKB      NM  7                                 -          3
             Azmth      <null>
             Face 1     15°32'52.75"          Face 2     195°33'00"

NOTE     SN  Start of Rounds

TRGET    NM  Target ht 5.000                   P.C. mm    0.0
             Prism Off 0.000

OBS      F1  7                                 -          3
             H.Angle    15°32'52.75"          H.Std Err  <null>
             V.Angle    88°01'20"             V.Std Err  <null>
             EDM Dist   286.879               S.Std Err  <null>
             Code       TA PK/WASH            Class      Backsight

TRGET    NM  Target ht 4.950                   P.C. mm    0.0
             Prism Off 0.000

OBS      F1  7                                 -          12
             H.Angle    30°53'26"             H.Std Err  <null>
             V.Angle    87°28'03"             V.Std Err  <null>
             EDM Dist   103.840               S.Std Err  <null>
             Code       MO PIN/CAP LS296      Class      Normal

F-CODE   F1  Code MO PIN/CAP LS2961

OBS      F2  7                                 -          12
             H.Angle    210°53'31"            H.Std Err  <null>
             V.Angle    272°32'12"            V.Std Err  <null>
             EDM Dist   103.840               S.Std Err  <null>
             Code       MO PIN/CAP LS296      Class      Normal

F-CODE   F2  Code MO PIN/CAP LS2961

TRGET    NM  Target ht 5.000                   P.C. mm    0.0
             Prism Off 0.000

OBS      F2  7                                 -          3
             H.Angle    195°33'00"            H.Std Err  <null>
             V.Angle    271°58'44"            V.Std Err  <null>
             EDM Dist   286.884               S.Std Err  <null>
             Code       TA PK/WASH            Class      Backsight

MTA      MA  ID         3                     Code       TA PK/WASH
             H.Angle    0°00'00"              H.Std Err  <null>
             V.Angle    88°01'18"             V.Std Err  <null>
             S.Dist     286.882               S.Std Err  0.004
             Angles     1                     BS Pt ID   3
             Distances  2

TRGET    NM  Target ht 4.950                   P.C. mm    0.0
             Prism Off 0.000

MTA      MA  ID         12                    Code       MO PIN/CAP LS296
             H.Angle    15°20'32.125"         H.Std Err  <null>
             V.Angle    87°27'55.5"           V.Std Err  <null>
             S.Dist     103.840               S.Std Err  0.000
             Angles     1                     BS Pt ID   3
             Distances  2

F-CODE   MA  Code MO PIN/CAP LS2961

RESIDUALSRR  Round      1                     ID         3
             H Ang Res  0°00'00"              V Ang Res  0°00'02"
             EDM Res    -0.003

RESIDUALSRR  Round      1                     ID         12
             H Ang Res  0°00'01.125"          V Ang Res  0°00'07.5"
             EDM Res    0.000
```

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```
RESIDUALSRR Round     1                    ID        12
            H Ang Res -0°00'01.125"        V Ang Res -0°00'07.5"
            EDM Res   0.000

RESIDUALSRR Round     1                    ID        3
            H Ang Res 0°00'00"             V Ang Res -0°00'02"
            EDM Res   0.003

BKB     NM  7                              -         3
            Azmth     <null>
            Face 1    15°32'52.75"         Face 2    195°32'58"

NOTE    SN  Start of Rounds

TRGET   NM  Target ht 5.000                P.C. mm   0.0
            Prism Off 0.000

OBS     F1  7                              -         3
            H.Angle   15°32'52.75"         H.Std Err <null>
            V.Angle   88°01'29"            V.Std Err <null>
            EDM Dist  286.879              S.Std Err <null>
            Code      TA PK/WASH           Class     Backsight

TRGET   NM  Target ht 5.030                P.C. mm   0.0
            Prism Off 0.000

OBS     F1  7                              -         11
            H.Angle   251°12'49"           H.Std Err <null>
            V.Angle   89°42'06"            V.Std Err <null>
            EDM Dist  217.825              S.Std Err <null>
            Code      TA PIN/CAP           Class     Normal

OBS     F2  7                              -         11
            H.Angle   71°12'53"            H.Std Err <null>
            V.Angle   270°18'02"           V.Std Err <null>
            EDM Dist  217.830              S.Std Err <null>
            Code      TA PIN/CAP           Class     Normal

TRGET   NM  Target ht 5.000                P.C. mm   0.0
            Prism Off 0.000

OBS     F2  7                              -         3
            H.Angle   195°32'58"           H.Std Err <null>
            V.Angle   271°58'44"           V.Std Err <null>
            EDM Dist  286.884              S.Std Err <null>
            Code      TA PK/WASH           Class     Backsight

MTA     MA  ID        3                    Code      TA PK/WASH
            H.Angle   0°00'00"             H.Std Err <null>
            V.Angle   88°01'22.5"           V.Std Err <null>
            S.Dist    286.882              S.Std Err 0.004
            Angles    1                    BS Pt ID  3
            Distances 2

TRGET   NM  Target ht 5.030                P.C. mm   0.0
            Prism Off 0.000

MTA     MA  ID        11                   Code      TA PIN/CAP
            H.Angle   235°39'55.625"       H.Std Err <null>
            V.Angle   89°42'02"            V.Std Err <null>
            S.Dist    217.827              S.Std Err 0.004
            Angles    1                    BS Pt ID  3
            Distances 2

RESIDUALSRR Round     1                    ID        3
            H Ang Res 0°00'00"             V Ang Res 0°00'06.5"
            EDM Res   -0.003

RESIDUALSRR Round     1                    ID        11
            H Ang Res 0°00'00.625"         V Ang Res 0°00'04"
            EDM Res   -0.003

RESIDUALSRR Round     1                    ID        11
            H Ang Res -0°00'00.625"        V Ang Res -0°00'04"
            EDM Res   0.003

RESIDUALSRR Round     1                    ID        3
            H Ang Res 0°00'00"             V Ang Res -0°00'06.5"
            EDM Res   0.003

NOTE    TS  Time Date 10/31/2007 Time 12:45:15

TRGET   NM  Target ht 4.950                P.C. mm   0.0
            Prism Off 0.000

OBS     F1  7                              -         88
            H.Angle   230°02'14"           H.Std Err <null>
            V.Angle   89°29'56"            V.Std Err <null>
            EDM Dist  86.340               S.Std Err <null>
            Code      GSMC MARKER          Class     Normal

OBS     F1  7                              -         89
            H.Angle   284°03'50"           H.Std Err <null>
            V.Angle   93°27'32"            V.Std Err <null>
            EDM Dist  84.435               S.Std Err <null>
            Code      LSTR 3.0 OAK         Class     Normal
```

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```
OBS     F1  7                              -          90
            H.Angle   286°31'27"           H.Std Err <null>
            V.Angle   92°58'46"            V.Std Err <null>
            EDM Dist  99.785               S.Std Err <null>
            Code      SV                   Class     Normal

TRGET   NM  Target ht 8.200                P.C. mm   0.0
            Prism Off 0.000

OBS     F1  7                              -          91
            H.Angle   284°05'32"           H.Std Err <null>
            V.Angle   91°04'50"            V.Std Err <null>
            EDM Dist  112.365              S.Std Err <null>
            Code      SV                   Class     Normal

TRGET   NM  Target ht 4.950                P.C. mm   0.0
            Prism Off 0.000

OBS     F1  7                              -          92
            H.Angle   280°46'49"           H.Std Err <null>
            V.Angle   93°04'47"            V.Std Err <null>
            EDM Dist  125.440              S.Std Err <null>
            Code      SV                   Class     Normal

OBS     F1  7                              -          93
            H.Angle   270°17'17"           H.Std Err <null>
            V.Angle   93°58'07"            V.Std Err <null>
            EDM Dist  122.875              S.Std Err <null>
            Code      TB                   Class     Normal

OBS     F1  7                              -          94
            H.Angle   273°04'15"           H.Std Err <null>
            V.Angle   93°37'29"            V.Std Err <null>
            EDM Dist  108.630              S.Std Err <null>
            Code      TB                   Class     Normal

OBS     F1  7                              -          95
            H.Angle   276°10'13"           H.Std Err <null>
            V.Angle   93°50'26"            V.Std Err <null>
            EDM Dist  94.860               S.Std Err <null>
            Code      TB                   Class     Normal

TRGET   NM  Target ht 8.200                P.C. mm   0.0
            Prism Off 0.000

OBS     F1  7                              -          96
            H.Angle   268°13'40"           H.Std Err <null>
            V.Angle   95°53'16"            V.Std Err <null>
            EDM Dist  93.670               S.Std Err <null>
            Code      RIFL                 Class     Normal

OBS     F1  7                              -          97
            H.Angle   265°18'35"           H.Std Err <null>
            V.Angle   95°32'55"            V.Std Err <null>
            EDM Dist  107.660              S.Std Err <null>
            Code      RIFL                 Class     Normal

TRGET   NM  Target ht 4.950                P.C. mm   0.0
            Prism Off 0.000

OBS     F1  7                              -          98
            H.Angle   264°31'24"           H.Std Err <null>
            V.Angle   94°54'18"            V.Std Err <null>
            EDM Dist  122.820              S.Std Err <null>
            Code      RIFL                 Class     Normal

NOTE    NM  Modified 12:56:02 PM 10/31/2007

NOTE    NM  Old target values 8.200sft +0mm

TRGET   NM  Target ht 8.200                P.C. mm   0.0
            Prism Off 0.000

OBS     F1  7                              -          99
            H.Angle   252°40'37"           H.Std Err <null>
            V.Angle   90°39'44"            V.Std Err <null>
            EDM Dist  93.555               S.Std Err <null>
            Code      TB                   Class     Normal

TRGET   NM  Target ht 4.950                P.C. mm   0.0
            Prism Off 0.000

OBS     F1  7                              -          100
            H.Angle   253°06'50"           H.Std Err <null>
            V.Angle   90°11'55"            V.Std Err <null>
            EDM Dist  112.705              S.Std Err <null>
            Code      TB                   Class     Normal

OBS     F1  7                              -          101
            H.Angle   253°39'14"           H.Std Err <null>
            V.Angle   90°04'24"            V.Std Err <null>
            EDM Dist  126.185              S.Std Err <null>
            Code      TB                   Class     Normal

OBS     F1  7                              -          102
            H.Angle   251°09'58"           H.Std Err <null>
            V.Angle   90°04'57"            V.Std Err <null>
            EDM Dist  126.190              S.Std Err <null>
            Code      EP                   Class     Normal
```

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```
OBS     F1  7                           -           103
            H.Angle   250°11'09"        H.Std Err <null>
            V.Angle   90°15'18"         V.Std Err <null>
            EDM Dist  114.200           S.Std Err <null>
            Code      EP                Class     Normal

OBS     F1  7                           -           104
            H.Angle   249°19'54"        H.Std Err <null>
            V.Angle   90°27'53"         V.Std Err <null>
            EDM Dist  96.820            S.Std Err <null>
            Code      EP                Class     Normal

OBS     F1  7                           -           105
            H.Angle   239°47'09"        H.Std Err <null>
            V.Angle   90°12'01"         V.Std Err <null>
            EDM Dist  107.470           S.Std Err <null>
            Code      EP                Class     Normal

OBS     F1  7                           -           106
            H.Angle   242°40'00"        H.Std Err <null>
            V.Angle   90°09'30"         V.Std Err <null>
            EDM Dist  123.345           S.Std Err <null>
            Code      EP                Class     Normal

OBS     F1  7                           -           107
            H.Angle   244°43'55"        H.Std Err <null>
            V.Angle   90°08'01"         V.Std Err <null>
            EDM Dist  140.330           S.Std Err <null>
            Code      EP                Class     Normal

OBS     F1  7                           -           108
            H.Angle   242°15'33"        H.Std Err <null>
            V.Angle   87°53'28"         V.Std Err <null>
            EDM Dist  139.755           S.Std Err <null>
            Code      TB                Class     Normal

OBS     F1  7                           -           109
            H.Angle   240°14'57"        H.Std Err <null>
            V.Angle   87°57'23"         V.Std Err <null>
            EDM Dist  123.950           S.Std Err <null>
            Code      TB                Class     Normal

OBS     F1  7                           -           110
            H.Angle   236°21'14"        H.Std Err <null>
            V.Angle   87°45'38"         V.Std Err <null>
            EDM Dist  108.725           S.Std Err <null>
            Code      TB                Class     Normal

TRGET   NM  Target ht 0.000             P.C. mm   0.0
            Prism Off 0.000

OBS     F1  7                           -           111
            H.Angle   241°05'31"        H.Std Err <null>
            V.Angle   89°57'37"         V.Std Err <null>
            EDM Dist  130.150           S.Std Err <null>
            Code      LSTR 2.0 OAK      Class     Normal

OBS     F1  7                           -           112
            H.Angle   310°35'33"        H.Std Err <null>
            V.Angle   72°41'38.845"     V.Std Err <null>
            EDM Dist  147.731           S.Std Err <null>
            Code      ECPP TOP          Class     Normal

OBS     F1  7                           -           113
            H.Angle   309°34'26"        H.Std Err <null>
            V.Angle   73°08'08"         V.Std Err <null>
            EDM Dist  151.485           S.Std Err <null>
            Code      12@INS            Class     Normal

OBS     F1  7                           -           114
            H.Angle   310°06'19"        H.Std Err <null>
            V.Angle   72°50'10"         V.Std Err <null>
            EDM Dist  148.750           S.Std Err <null>
            Code      12@INS            Class     Normal

OBS     F1  7                           -           115
            H.Angle   311°11'30"        H.Std Err <null>
            V.Angle   72°11'08"         V.Std Err <null>
            EDM Dist  143.535           S.Std Err <null>
            Code      12@INS            Class     Normal

OBS     F1  7                           -           116
            H.Angle   308°13'59"        H.Std Err <null>
            V.Angle   72°52'21"         V.Std Err <null>
            EDM Dist  148.985           S.Std Err <null>
            Code      12KV              Class     Normal

OBS     F1  7                           -           117
            H.Angle   308°13'58"        H.Std Err <null>
            V.Angle   72°28'59"         V.Std Err <null>
            EDM Dist  145.350           S.Std Err <null>
            Code      12KV              Class     Normal

OBS     F1  7                           -           118
            H.Angle   308°13'58"        H.Std Err <null>
            V.Angle   71°33'25"         V.Std Err <null>
            EDM Dist  138.190           S.Std Err <null>
            Code      12KV              Class     Normal
```

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OBS	F1	7		-	119
		H.Angle	302°22'32"	H.Std Err	<null>
		V.Angle	71°45'41"	V.Std Err	<null>
		EDM Dist	139.640	S.Std Err	<null>
		Code	12KV	Class	Normal
OBS	F1	7		-	120
		H.Angle	302°22'32"	H.Std Err	<null>
		V.Angle	71°24'55"	V.Std Err	<null>
		EDM Dist	136.225	S.Std Err	<null>
		Code	12KV	Class	Normal
OBS	F1	7		-	121
		H.Angle	302°24'50"	H.Std Err	<null>
		V.Angle	70°23'59"	V.Std Err	<null>
		EDM Dist	129.665	S.Std Err	<null>
		Code	12KV	Class	Normal
OBS	F1	7		-	122
		H.Angle	241°35'20"	H.Std Err	<null>
		V.Angle	68°12'09"	V.Std Err	<null>
		EDM Dist	138.930	S.Std Err	<null>
		Code	12KV	Class	Normal
OBS	F1	7		-	123
		H.Angle	241°35'20"	H.Std Err	<null>
		V.Angle	68°08'44"	V.Std Err	<null>
		EDM Dist	135.335	S.Std Err	<null>
		Code	12KV	Class	Normal
OBS	F1	7		-	124
		H.Angle	241°35'20"	H.Std Err	<null>
		V.Angle	67°01'35"	V.Std Err	<null>
		EDM Dist	129.035	S.Std Err	<null>
		Code	12KV	Class	Normal
OBS	F1	7		-	125
		H.Angle	259°39'46"	H.Std Err	<null>
		V.Angle	88°43'58"	V.Std Err	<null>
		EDM Dist	96.095	S.Std Err	<null>
		Code	LSTR E/FACE SYC	Class	Normal
OBS	F1	7		-	126
		H.Angle	260°11'57"	H.Std Err	<null>
		V.Angle	85°29'53"	V.Std Err	<null>
		EDM Dist	96.315	S.Std Err	<null>
		Code	LSTR E/FACE SYC	Class	Normal
OBS	F1	7		-	127
		H.Angle	260°31'39"	H.Std Err	<null>
		V.Angle	83°25'53"	V.Std Err	<null>
		EDM Dist	96.545	S.Std Err	<null>
		Code	LSTR E/FACE SYC	Class	Normal
OBS	F1	7		-	128
		H.Angle	260°51'45"	H.Std Err	<null>
		V.Angle	81°19'35"	V.Std Err	<null>
		EDM Dist	96.760	S.Std Err	<null>
		Code	LSTR E/FACE SYC	Class	Normal
OBS	F1	7		-	129
		H.Angle	260°56'09"	H.Std Err	<null>
		V.Angle	80°29'01"	V.Std Err	<null>
		EDM Dist	96.905	S.Std Err	<null>
		Code	LSTR E/FACE SYC	Class	Normal
NOTE	TS	Time Date 10/31/2007 Time 13:15:45			
OBS	F1	7		-	130
		H.Angle	305°46'32"	H.Std Err	<null>
		V.Angle	77°08'37"	V.Std Err	<null>
		EDM Dist	135.755	S.Std Err	<null>
		Code	TELCO	Class	Normal
OBS	F1	7		-	131
		H.Angle	305°46'31"	H.Std Err	<null>
		V.Angle	78°13'39"	V.Std Err	<null>
		EDM Dist	134.710	S.Std Err	<null>
		Code	TELCO	Class	Normal
OBS	F1	7		-	132
		H.Angle	242°20'25"	H.Std Err	<null>
		V.Angle	70°46'54"	V.Std Err	<null>
		EDM Dist	129.715	S.Std Err	<null>
		Code	TELCO	Class	Normal
OBS	F1	7		-	133
		H.Angle	242°20'25"	H.Std Err	<null>
		V.Angle	71°59'26"	V.Std Err	<null>
		EDM Dist	128.640	S.Std Err	<null>
		Code	TELCO	Class	Normal
BKB	NM	7		-	3
		Azmth	<null>		
		Face 1	15°32'52.75"	Face 2	<null>
TRGET	NM	Target ht	5.000	P.C. mm	0.0
		Prism Off	0.000		

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```
OBS     F1  7                                   -         3
            H.Angle   15°32'52.75"              H.Std Err <null>
            V.Angle   88°01'30"                 V.Std Err <null>
            EDM Dist  286.879                   S.Std Err <null>
            Code      TA PK/WASH                Class     Backsight

INSTR   NM  EDM       Topcon Generic
            Serial no <no text>                 Firmware  <no text>
            Mount     Not Applic                Edm o/s   <null>
            J Constant 279.7                    N Constant 106.133
            H.col     <null>                    V.col     <null>

PRECIS  NM  HA Prec   <null>                    EDM Prec  <null>
            VA Prec   <null>                    EDM (ppm) <null>

ATMOS   NM  Press     30.00                     Temp      75.0
            Refrac cnst 0.142                   PPM       <null>

GRDPOS  FD  Point ID 10           Nrth 9487.399          East 9677.125
            Class Normal          Elv  982.166           Code TA PIN/CAP
            Obs  User Input

STN     NM  ID        10                        Theo ht   5.470
            Scale     1.0000000000              Type      Fixed

BKB     NM  10                                  -         7
            Azmth     <null>
            Face 1    55°13'42.375"             Face 2    <null>

TRGET   NM  Target ht 5.290                     P.C. mm   0.0
            Prism Off 0.000

OBS     F1  10                                  -         7
            H.Angle   55°13'42.375"             H.Std Err <null>
            V.Angle   90°39'58"                 V.Std Err <null>
            EDM Dist  95.490                    S.Std Err <null>
            Code      TA 50D                    Class     Backsight

POLAR D F1  Azmth           <null>              H.Dist          0.004
                                                V.Dist          0.009

TRGET   NM  Target ht 0.500                     P.C. mm   0.0
            Prism Off 0.000

OBS     F1  10                                  -         134
            H.Angle   136°58'27"                H.Std Err <null>
            V.Angle   77°57'06"                 V.Std Err <null>
            EDM Dist  26.945                    S.Std Err <null>
            Code      GSMC MARKER               Class     Normal

TRGET   NM  Target ht 4.950                     P.C. mm   0.0
            Prism Off 0.000

OBS     F1  10                                  -         135
            H.Angle   295°46'43"                H.Std Err <null>
            V.Angle   95°31'18"                 V.Std Err <null>
            EDM Dist  57.140                    S.Std Err <null>
            Code      LSTR 2.2 OAK              Class     Normal

TRGET   NM  Target ht 8.200                     P.C. mm   0.0
            Prism Off 0.000

OBS     F1  10                                  -         136
            H.Angle   324°33'17"                H.Std Err <null>
            V.Angle   99°46'16"                 V.Std Err <null>
            EDM Dist  59.765                    S.Std Err <null>
            Code      EDGE LSTR PT135           Class     Normal

TRGET   NM  Target ht 0.000                     P.C. mm   0.0
            Prism Off 0.000

OBS     F1  10                                  -         137
            H.Angle   326°39'14"                H.Std Err <null>
            V.Angle   50°38'17"                 V.Std Err <null>
            EDM Dist  49.035                    S.Std Err <null>
            Code      LSTR BRANCH SYC           Class     Normal

OBS     F1  10                                  -         138
            H.Angle   328°59'20"                H.Std Err <null>
            V.Angle   45°33'11"                 V.Std Err <null>
            EDM Dist  44.555                    S.Std Err <null>
            Code      LSTR BRANCH SYC           Class     Normal

OBS     F1  10                                  -         139
            H.Angle   346°05'05"                H.Std Err <null>
            V.Angle   51°18'30"                 V.Std Err <null>
            EDM Dist  59.955                    S.Std Err <null>
            Code      LSTR BRANCH SYC           Class     Normal

OBS     F1  10                                  -         140
            H.Angle   332°13'18"                H.Std Err <null>
            V.Angle   101°50'58"                V.Std Err <null>
            EDM Dist  35.410                    S.Std Err <null>
            Code      LSTR S/FACE SYC           Class     Normal
```

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```
OBS     F1  10                              -         141
            H.Angle   334°28'12"            H.Std Err <null>
            V.Angle   95°19'49"             V.Std Err <null>
            EDM Dist  38.535                S.Std Err <null>
            Code      LSTR S/FACE SYC       Class     Normal

OBS     F1  10                              -         142
            H.Angle   334°42'29"            H.Std Err <null>
            V.Angle   87°33'40"             V.Std Err <null>
            EDM Dist  39.800                S.Std Err <null>
            Code      LSTR S/FACE SYC       Class     Normal

OBS     F1  10                              -         143
            H.Angle   335°09'41"            H.Std Err <null>
            V.Angle   82°05'16"             V.Std Err <null>
            EDM Dist  40.865                S.Std Err <null>
            Code      LSTR S/FACE SYC       Class     Normal

NOTE    TS  Time Date 10/31/2007 Time 13:45:47

OBS     F1  10                              -         144
            H.Angle   335°56'53"            H.Std Err <null>
            V.Angle   76°03'44"             V.Std Err <null>
            EDM Dist  42.510                S.Std Err <null>
            Code      LSTR S/FACE SYC       Class     Normal

OBS     F1  10                              -         145
            H.Angle   336°40'04"            H.Std Err <null>
            V.Angle   70°35'44"             V.Std Err <null>
            EDM Dist  44.430                S.Std Err <null>
            Code      LSTR S/FACE SYC       Class     Normal

OBS     F1  10                              -         146
            H.Angle   337°07'08"            H.Std Err <null>
            V.Angle   65°18'44"             V.Std Err <null>
            EDM Dist  46.655                S.Std Err <null>
            Code      LSTR S/FACE SYC       Class     Normal

OBS     F1  10                              -         147
            H.Angle   338°37'30"            H.Std Err <null>
            V.Angle   57°05'14"             V.Std Err <null>
            EDM Dist  51.230                S.Std Err <null>
            Code      LSTR S/FACE SYC       Class     Normal

OBS     F1  10                              -         148
            H.Angle   320°46'38"            H.Std Err <null>
            V.Angle   54°07'06"             V.Std Err <null>
            EDM Dist  57.740                S.Std Err <null>
            Code      TELCO                 Class     Normal

OBS     F1  10                              -         149
            H.Angle   320°46'41"            H.Std Err <null>
            V.Angle   51°26'57"             V.Std Err <null>
            EDM Dist  95.420                S.Std Err <null>
            Code      TELCO                 Class     Normal

OBS     F1  10                              -         150
            H.Angle   320°46'43"            H.Std Err <null>
            V.Angle   49°54'15"             V.Std Err <null>
            EDM Dist  71.265                S.Std Err <null>
            Code      12KV                  Class     Normal

OBS     F1  10                              -         151
            H.Angle   320°46'49"            H.Std Err <null>
            V.Angle   47°45'39"             V.Std Err <null>
            EDM Dist  67.335                S.Std Err <null>
            Code      12KV                  Class     Normal

OBS     F1  10                              -         152
            H.Angle   320°47'05"            H.Std Err <null>
            V.Angle   41°19'19"             V.Std Err <null>
            EDM Dist  61.490                S.Std Err <null>
            Code      12KV                  Class     Normal

BKB     NM  10                              -         7
            Azmth     <null>
            Face 1    55°13'42.375"         Face 2    <null>

TRGET   NM  Target ht 5.290                 P.C. mm   0.0
            Prism Off 0.000

OBS     F1  10                              -         7
            H.Angle   55°13'42.375"         H.Std Err <null>
            V.Angle   90°39'57"             V.Std Err <null>
            EDM Dist  95.485                S.Std Err <null>
            Code      TA 50D                Class     Backsight

TRGET   NM  Target ht 5.290                 P.C. mm   0.0
            Prism Off 0.000

MTA     MA  ID        7                     Code      TA 50D
            H.Angle   0°00'00"              H.Std Err <null>
            V.Angle   90°39'57.5"           V.Std Err <null>
            S.Dist    95.487                S.Std Err <null>
            Angles    2                     BS Pt ID  7
            Distances 2

NOTE    TS  Time Date 11/01/2007 Time 08:38:48
```

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```
INSTR   NM  EDM       Topcon Generic
            Serial no <no text>              Firmware  <no text>
            Mount     Not Applic             Edm o/s   <null>
            J Constant 279.7                 N Constant 106.133
            H.col     <null>                 V.col     <null>

PRECIS  NM  HA Prec   <null>                 EDM Prec  <null>
            VA Prec   <null>                 EDM (ppm) <null>

ATMOS   NM  Press     30.00                  Temp      65.0
            Refrac cnst 0.142                PPM       <null>

GRDPOS  FD  Point ID 11          Nrth 9471.707          East 9549.341
            Class Normal         Elv  982.894           Code TA PIN/CAP
            Obs  User Input

STN     NM  ID        11                     Theo ht   5.450
            Scale     1.0000000000           Type      Fixed

BKB     NM  11                               -         7
            Azmth     <null>
            Face 1    71°12'48.375"          Face 2    <null>

TRGET   NM  Target ht 5.100                  P.C. mm   0.0
            Prism Off 0.000

OBS     F1  11                               -         7
            H.Angle   71°12'48.375"          H.Std Err <null>
            V.Angle   90°31'50"              V.Std Err <null>
            EDM Dist  217.835                S.Std Err <null>
            Code      TA 50D                 Class     Backsight

POLAR D F1  Azmth           <null>           H.Dist          0.000
                                             V.Dist          0.017

TRGET   NM  Target ht 5.750                  P.C. mm   0.0
            Prism Off 0.000

OBS     F1  11                               -         153
            H.Angle   108°17'21"             H.Std Err <null>
            V.Angle   79°52'31"              V.Std Err <null>
            EDM Dist  84.595                 S.Std Err <null>
            Code      SV                     Class     Normal

OBS     F1  11                               -         154
            H.Angle   108°09'52"             H.Std Err <null>
            V.Angle   80°46'25"              V.Std Err <null>
            EDM Dist  103.930                S.Std Err <null>
            Code      SV                     Class     Normal

OBS     F1  11                               -         155
            H.Angle   107°50'26"             H.Std Err <null>
            V.Angle   81°03'53"              V.Std Err <null>
            EDM Dist  117.295                S.Std Err <null>
            Code      SV                     Class     Normal

OBS     F1  11                               -         156
            H.Angle   136°01'32"             H.Std Err <null>
            V.Angle   73°10'44"              V.Std Err <null>
            EDM Dist  126.140                S.Std Err <null>
            Code      SV                     Class     Normal

OBS     F1  11                               -         157
            H.Angle   132°03'50"             H.Std Err <null>
            V.Angle   73°51'10"              V.Std Err <null>
            EDM Dist  136.070                S.Std Err <null>
            Code      SV                     Class     Normal

TRGET   NM  Target ht 9.500                  P.C. mm   0.0
            Prism Off 0.000

OBS     F1  11                               -         158
            H.Angle   128°29'42"             H.Std Err <null>
            V.Angle   73°00'16"              V.Std Err <null>
            EDM Dist  147.155                S.Std Err <null>
            Code      SV                     Class     Normal

OBS     F1  11                               -         159
            H.Angle   148°08'59"             H.Std Err <null>
            V.Angle   72°44'57"              V.Std Err <null>
            EDM Dist  173.510                S.Std Err <null>
            Code      SV                     Class     Normal

TRGET   NM  Target ht 21.300                 P.C. mm   0.0
            Prism Off 0.000

OBS     F1  11                               -         160
            H.Angle   139°45'24"             H.Std Err <null>
            V.Angle   68°22'19"              V.Std Err <null>
            EDM Dist  192.380                S.Std Err <null>
            Code      SV                     Class     Normal

NOTE    NM  Modified 8:52:39 AM 11/1/2007

NOTE    NM  Old target values 9.500sft +0mm

TRGET   NM  Target ht 5.800                  P.C. mm   0.0
            Prism Off 0.000
```

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```
OBS     F1  11                              -         161
            H.Angle   145°15'15.69"         H.Std Err <null>
            V.Angle   73°12'12.158"         V.Std Err <null>
            EDM Dist  177.810               S.Std Err <null>
            Code      ECPP 213072           Class     Normal

NOTE    TS  Time Date 11/01/2007 Time 09:09:42

TRGET   NM  Target ht 0.000                 P.C. mm   0.0
            Prism Off 0.000

OBS     F1  11                              -         162
            H.Angle   78°02'12"             H.Std Err <null>
            V.Angle   62°32'01"             V.Std Err <null>
            EDM Dist  106.960               S.Std Err <null>
            Code      12KV                  Class     Normal

OBS     F1  11                              -         163
            H.Angle   78°02'11"             H.Std Err <null>
            V.Angle   63°46'32"             V.Std Err <null>
            EDM Dist  109.195               S.Std Err <null>
            Code      12KV                  Class     Normal

OBS     F1  11                              -         164
            H.Angle   78°12'27"             H.Std Err <null>
            V.Angle   64°57'04"             V.Std Err <null>
            EDM Dist  114.770               S.Std Err <null>
            Code      12KV                  Class     Normal

OBS     F1  11                              -         165
            H.Angle   80°46'26"             H.Std Err <null>
            V.Angle   67°14'48"             V.Std Err <null>
            EDM Dist  107.340               S.Std Err <null>
            Code      TELCO                 Class     Normal

OBS     F1  11                              -         166
            H.Angle   81°12'28"             H.Std Err <null>
            V.Angle   68°46'42"             V.Std Err <null>
            EDM Dist  106.185               S.Std Err <null>
            Code      TELCO                 Class     Normal

OBS     F1  11                              -         167
            H.Angle   129°26'54"            H.Std Err <null>
            V.Angle   61°38'14"             V.Std Err <null>
            EDM Dist  135.010               S.Std Err <null>
            Code      12KV                  Class     Normal

OBS     F1  11                              -         168
            H.Angle   129°26'53"            H.Std Err <null>
            V.Angle   62°25'35"             V.Std Err <null>
            EDM Dist  138.345               S.Std Err <null>
            Code      12KV                  Class     Normal

OBS     F1  11                              -         169
            H.Angle   129°26'53"            H.Std Err <null>
            V.Angle   63°19'43"             V.Std Err <null>
            EDM Dist  146.005               S.Std Err <null>
            Code      12KV                  Class     Normal

OBS     F1  11                              -         170
            H.Angle   129°26'50"            H.Std Err <null>
            V.Angle   66°04'53"             V.Std Err <null>
            EDM Dist  137.415               S.Std Err <null>
            Code      TELCO                 Class     Normal

OBS     F1  11                              -         171
            H.Angle   129°26'49"            H.Std Err <null>
            V.Angle   66°49'45"             V.Std Err <null>
            EDM Dist  136.675               S.Std Err <null>
            Code      TELCO                 Class     Normal

OBS     F1  11                              -         172
            H.Angle   139°36'57"            H.Std Err <null>
            V.Angle   63°18'12"             V.Std Err <null>
            EDM Dist  157.760               S.Std Err <null>
            Code      12KV                  Class     Normal

OBS     F1  11                              -         173
            H.Angle   139°36'57"            H.Std Err <null>
            V.Angle   63°51'25"             V.Std Err <null>
            EDM Dist  162.160               S.Std Err <null>
            Code      12KV                  Class     Normal

OBS     F1  11                              -         174
            H.Angle   139°36'56"            H.Std Err <null>
            V.Angle   64°35'36"             V.Std Err <null>
            EDM Dist  171.200               S.Std Err <null>
            Code      12KV                  Class     Normal

OBS     F1  11                              -         175
            H.Angle   66°16'31"             H.Std Err <null>
            V.Angle   94°03'44"             V.Std Err <null>
            EDM Dist  119.685               S.Std Err <null>
            Code      LSTR W/FACE SYC       Class     Normal
```

```
OBS      F1  11                              -          176
             H.Angle   65°01'50"             H.Std Err <null>
             V.Angle   92°54'07"             V.Std Err <null>
             EDM Dist  120.935               S.Std Err <null>
             Code      LSTR W/FACE SYC       Class     Normal

OBS      F1  11                              -          177
             H.Angle   64°54'52"             H.Std Err <null>
             V.Angle   91°50'36"             V.Std Err <null>
             EDM Dist  121.215               S.Std Err <null>
             Code      LSTR W/FACE SYC       Class     Normal

OBS      F1  11                              -          178
             H.Angle   64°44'30"             H.Std Err <null>
             V.Angle   90°04'32"             V.Std Err <null>
             EDM Dist  121.280               S.Std Err <null>
             Code      LSTR W/FACE SYC       Class     Normal

OBS      F1  11                              -          179
             H.Angle   64°20'58"             H.Std Err <null>
             V.Angle   88°32'31"             V.Std Err <null>
             EDM Dist  121.255               S.Std Err <null>
             Code      LSTR W/FACE SYC       Class     Normal

BKB      NM  11                              -          7
             Azmth     <null>
             Face 1    71°12'48.375"         Face 2    <null>

TRGET    NM  Target ht 5.100                 P.C. mm   0.0
             Prism Off 0.000

OBS      F1  11                              -          7
             H.Angle   71°12'48.375"         H.Std Err <null>
             V.Angle   90°31'44"             V.Std Err <null>
             EDM Dist  217.840               S.Std Err <null>
             Code      TA 50D                Class     Backsight

TRGET    NM  Target ht 5.100                 P.C. mm   0.0
             Prism Off 0.000

MTA      MA  ID        7                     Code      TA 50D
             H.Angle   0°00'00"              H.Std Err <null>
             V.Angle   90°31'47"             V.Std Err <null>
             S.Dist    217.837               S.Std Err <null>
             Angles    2                     BS Pt ID  7
             Distances 2

INSTR    NM  EDM       Topcon Generic
             Serial no <no text>             Firmware  <no text>
             Mount     Not Applic            Edm o/s   <null>
             J Constant 279.7                N Constant 106.133
             H.col     <null>                V.col     <null>

PRECIS   NM  HA Prec   <null>                EDM Prec  <null>
             VA Prec   <null>                EDM (ppm) <null>

ATMOS    NM  Press     30.00                 Temp      65.0
             Refrac cnst 0.142               PPM       <null>

GRDPOS   FD  Point ID 8          Nrth 9745.035        East 9620.288
             Class Normal        Elv  1009.624        Code TA 50D
             Obs  User Input

STN      NM  ID        8                     Theo ht   5.590
             Scale     1.0000000000          Type      Fixed

BKB      NM  8                               -          9
             Azmth     <null>
             Face 1    212°14'54.125"        Face 2    <null>

TRGET    NM  Target ht 4.950                 P.C. mm   0.0
             Prism Off 0.000

OBS      F1  8                               -          9
             H.Angle   212°14'54.125"        H.Std Err <null>
             V.Angle   98°34'43"             V.Std Err <null>
             EDM Dist  69.350                S.Std Err <null>
             Code      TA 50D                Class     Backsight

POLAR D  F1  Azmth          <null>           H.Dist          -0.005
                                             V.Dist          -0.033

TRGET    NM  Target ht 0.000                 P.C. mm   0.0
             Prism Off 0.000

OBS      F1  8                               -          180
             H.Angle   172°23'37"            H.Std Err <null>
             V.Angle   87°40'21"             V.Std Err <null>
             EDM Dist  199.310               S.Std Err <null>
             Code      LSTR OAK PT89 @       Class     Normal

F-CODE   F1  Code LSTR OAK PT89 @ TELCO

OBS      F1  8                               -          181
             H.Angle   166°57'29"            H.Std Err <null>
             V.Angle   83°05'54"             V.Std Err <null>
             EDM Dist  196.090               S.Std Err <null>
             Code      LSTR OAK PT89 TO      Class     Normal
```

File N:\SDGE\R071127\S070652\Survey\Field Data\R071127SWH1030.dc

F-CODE F1 Code LSTR OAK PTS9 TOP

NOLTE
BEYOND ENGINEERING
15090 AVENUE OF SCIENCE, SUITE 101 SAN DIEGO, CA 92128
858.385.0500 TEL 858.385-0400 FAX WWW.NOLTE.COM

SURVEY NOTES COVER SHEET

SDG&E JOB NO: R071127, S070652 NOLTE JOB NO: 5083555200

SURVEY NO: _____ JOB TYPE: SHT 1 OF 2

DPSS NO: _____ DATE: 11-28-07

W.O. NO: _____ SURVEY CREW: HAHN

ACCT. NO: _____ PANKOSKY

T.B. NO: 998J-6

JOB NAME: RICE FIRE

JOB ADDRESS: 15008CK RICE CYN RD

FLBK

BENCH MARK: EXIST. CONTROL FROM ORIG SURVEY 11-01-07

BASIS OF BEARINGS: " " " "

BASIS OF COORDINATES: " " " "

	REFERENCE DATA MAIN:	BACKGROUND:
DATA DUMP:	N:\SDGE\R071127\S070652\SUR\FLD DTA\R071127SWH112B.25V	
POINTS FILE:		
CAD TECH:		
DWG PATH:		
DWG SIZE:		
DATE:		

NOTES: LARRY HALL (SDGE) REQUESTED, AT ON SITE MEETING, FOR US TO LOCATE OAK BRANCH W'LY OF THE SYCAMORE. BROKEN SYCAMORE BRANCH UNDER WHICH IT

c: documents and settings hart\desktop cover sheet.doc

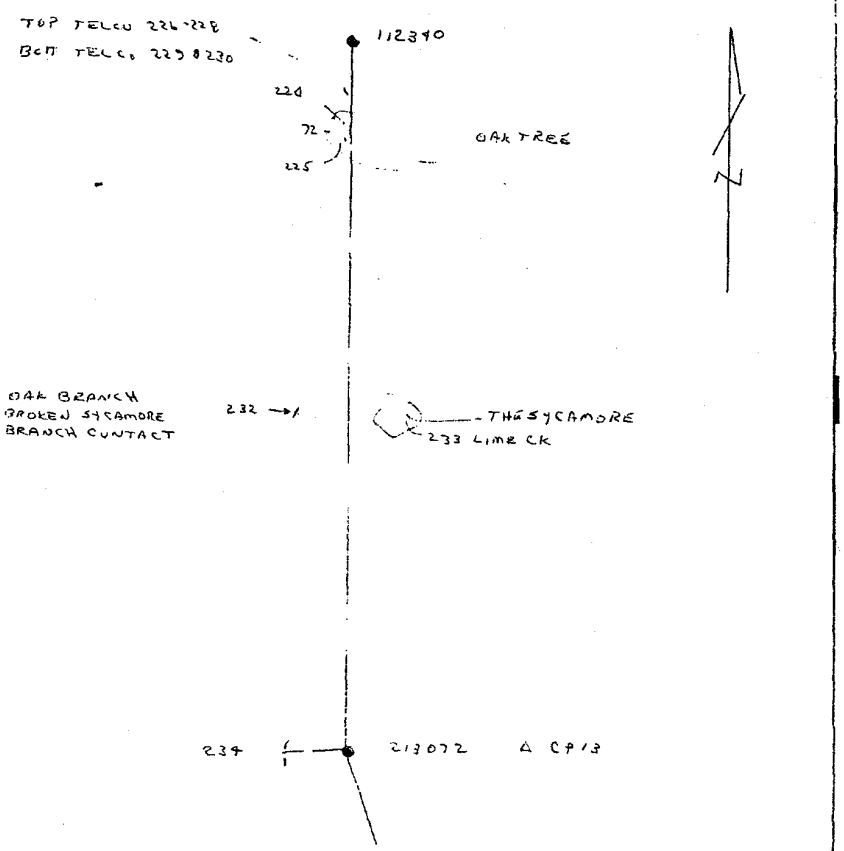
RICE FIRE - RICE CYN. RD.
SUBJECT

R 07127 — SVM DAP
JOB NO. — DESIGNED BY

11-28-07 — DAP
DATE — CHECKED BY

NOLTE

8:30A. 66°F - 9:45A 74°F



13	9352.734	9736.337	1045.45	CP 50D
224	9597.336	9643.722	1018.335	LSTR TOP
225	9588.508	9640.345	1019.566	LSTR TOP
226	9623.457	9648.167	1016.814	TOP TELCO
227	9575.432	9658.974	1021.583	TOP TELCO
228	9557.828	9650.567	1022.324	TOP TELCO
229	9626.517	9648.56	1014.06	BOTTOM TELCO
230	9596.037	9648.173	1015.622	BOTTOM TELCO
231	9329.54	9645.701	1063.954	X-ARM ATT PT
232	9508.872	9634.069	1028.896	OAK BRANCH
233	9532.716	9665.058	1025.51	LIMB CHECK
234	9327.165	9628.657	1028.117	ECGY

BAC PT

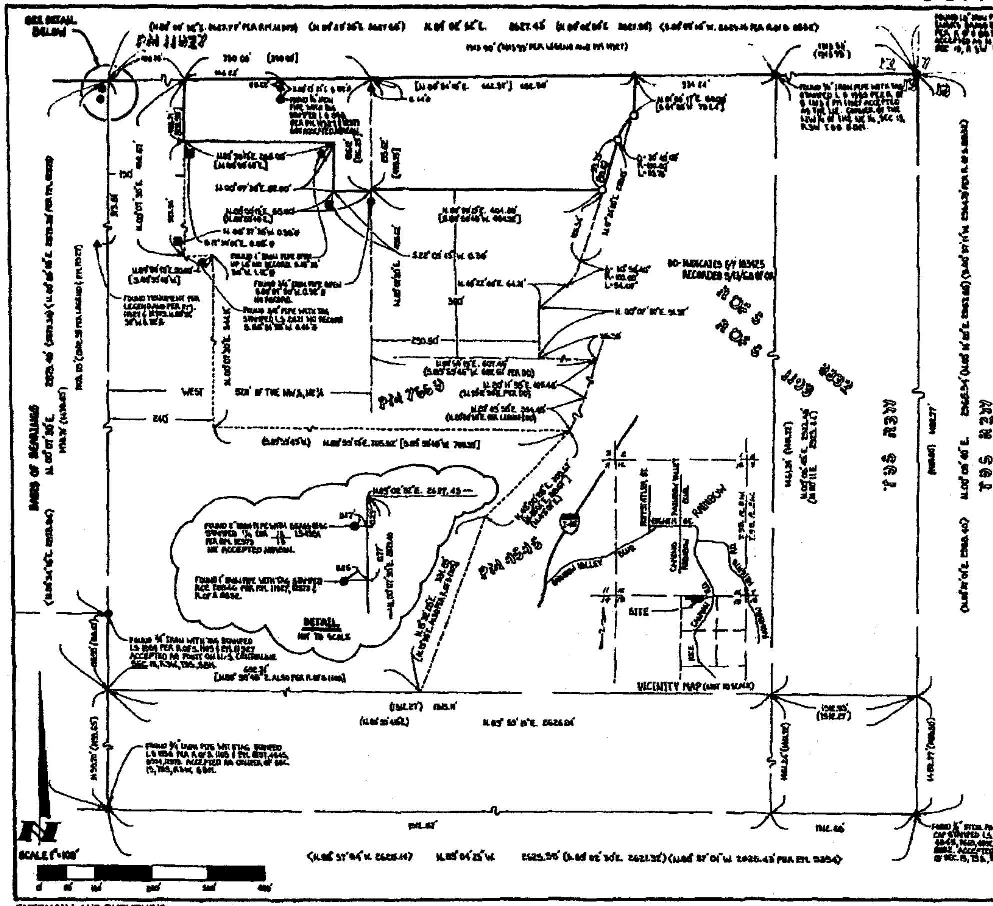
Device: Survey Controller (TSCe) on ActiveSync

Receive operation Completed.
2 File(s) Successfully Transferred.
Details are as follows:

11:37:16 AM 11/28/2007 Received File N:\SDGE\R071127\S070652\Survey\Field Data\R071127SWH1030.dc from Default. No Error
11:37:16 AM 11/28/2007 Received File N:\SDGE\R071127\S070652\Survey\Field Data\R071127SWH1128.csv from Export. No Error

RECORD OF SURVEY NO. 13651

SHEET 1 OF 1 SHEETS



RECORD OF SURVEY

OF A PORTION OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 13, TOWNSHIP 9 SOUTH, RANGE 2 WEST, S.B.M., IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA.

SEE DEED RECORDED 3/22/90 AS F/P 90-158443 OF O.R.

LEGEND

- ● - INDICATES FOUND ¾" IRON PIPE WITH BRASS TAG STAMPED "LS 1905" PER R. OF S. 1108, UNLESS OTHERWISE NOTED.
- ▲ - INDICATES FOUND 1" IRON PIPE WITH BRASS TAG STAMPED "LS 2961" NO RECORD, UNLESS OTHERWISE NOTED.
- ■ - INDICATES FOUND ⅝" PIN WITH PLASTIC CAP STAMPED "RCE 20041" NO RECORD.
- ○ - INDICATES SET 1" IRON PIPE WITH BRASS TAG STAMPED "LS 6336", UNLESS OTHERWISE NOTED.
- ( ) - INDICATES RECORD DATA PER R. OF S. 1108 UNLESS OTHERWISE NOTED.
- [ ] - INDICATES RECORD DATA PER DEED RECORDED 3/22/90 AS F/P 90-158443 OF O.R.
- ⟨ ⟩ - INDICATES RECORD DATA PER P.M. 4545 AND P.M. 7569.
- ※ - INDICATES EXAGGERATED FOR CLARITY.

BASIS OF BEARING

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE WEST LINE OF THE NORTHEAST QUARTER OF SECTION 13, T.9 S., R.2 W., S.B.M. SHOWN HEREON AS N. 00° 07' 30" E. PER R. OF S. 1108.

SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE LAND SURVEYOR'S ACT AT THE REQUEST OF ABRAHAM SOLOMON IN DECEMBER OF 1991.

JAMES O. EYERMAN L.S. 6336
MY REGISTRATION EXPIRES ON 9/30/94.

COUNTY ENGINEER STATEMENT

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE LAND SURVEYOR'S ACT THIS 19th DAY OF FEBRUARY 1992.

GRANVILLE M. BOWMAN
COUNTY ENGINEER
R.C.E. 18661

BY ______
PHILIP J. GIURBINO LS 4474

RECORDER'S STATEMENT

FILE NO. 92-92056

FILED THIS 20 DAY OF February 1992 AT ___ O'CLOCK P.M., IN BOOK OF RECORD OF SURVEY MAPS AT PAGE 13651, AT THE REQUEST OF JAMES EYERMAN

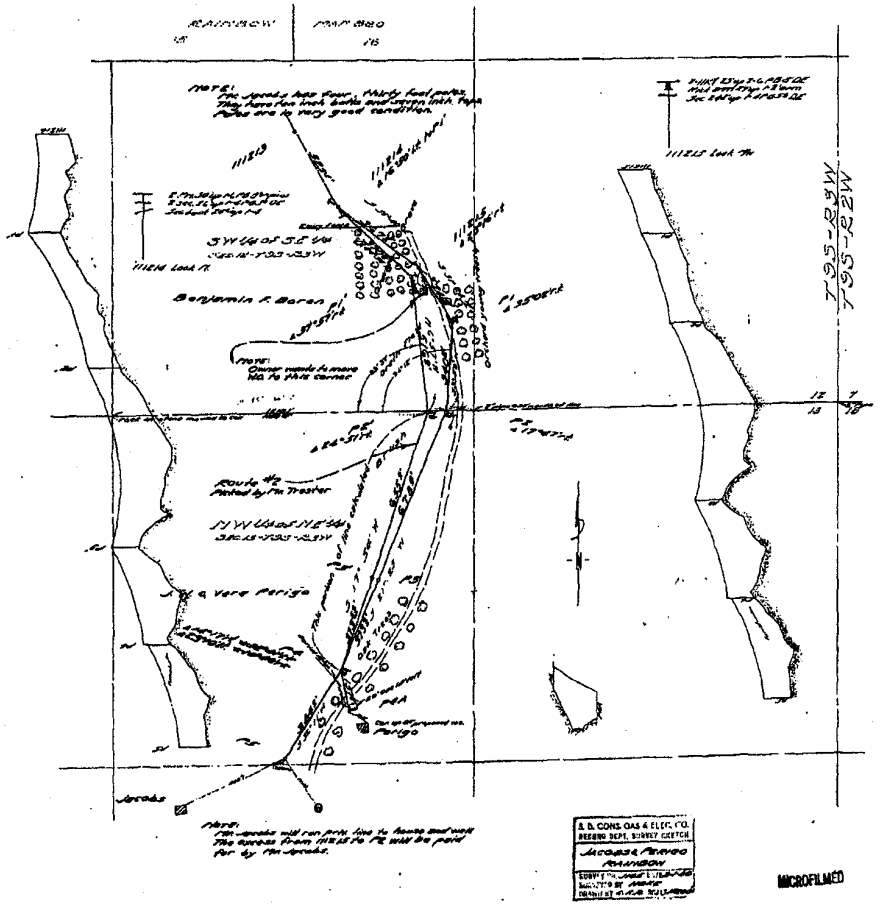
ANNETTE EVANS
COUNTY RECORDER

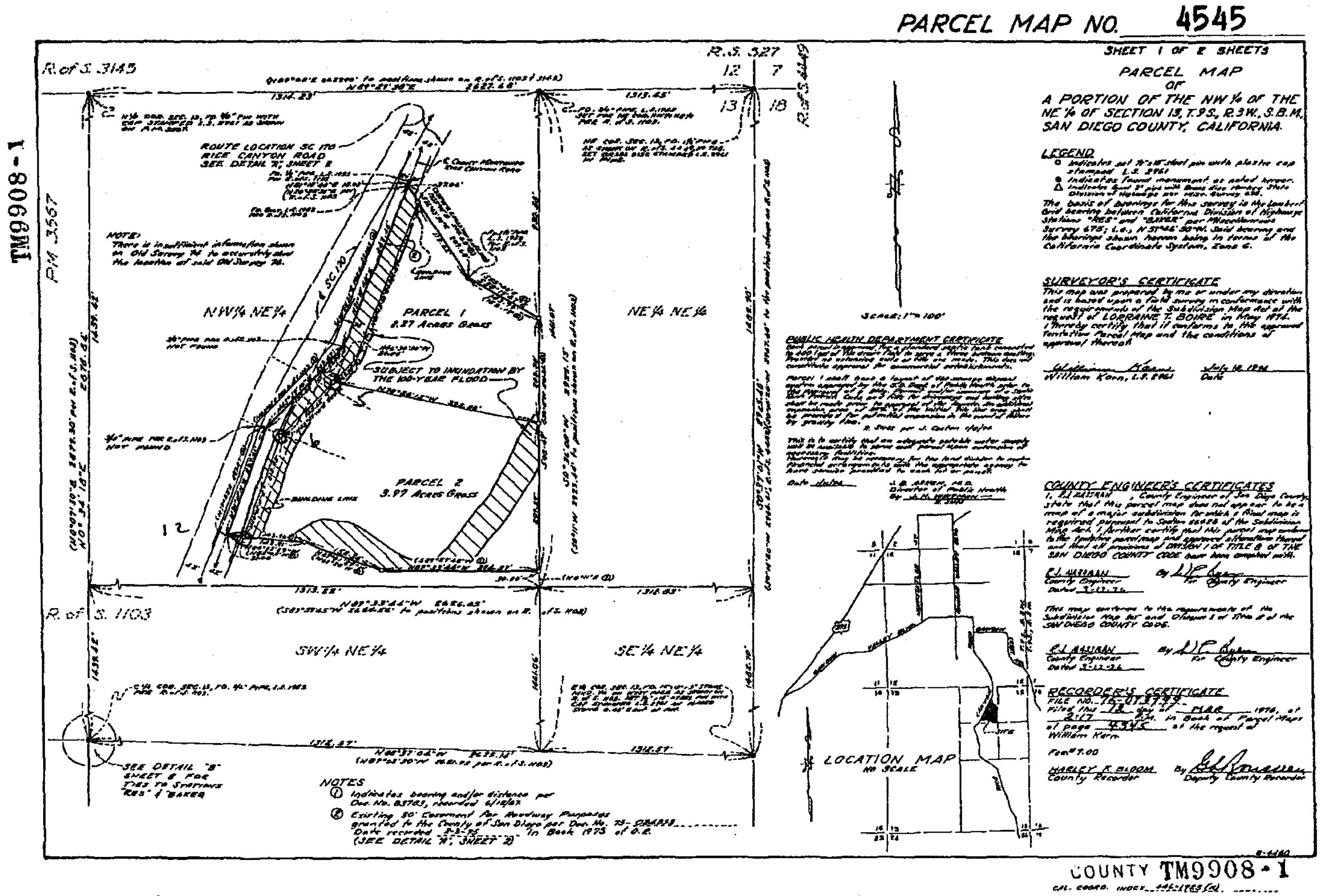
FEE $5.00 ___

BY: ______
DEPUTY COUNTY RECORDER

CALIFORNIA COORDINATE INDEX: 450-1725
A.P.N. 108-310-42

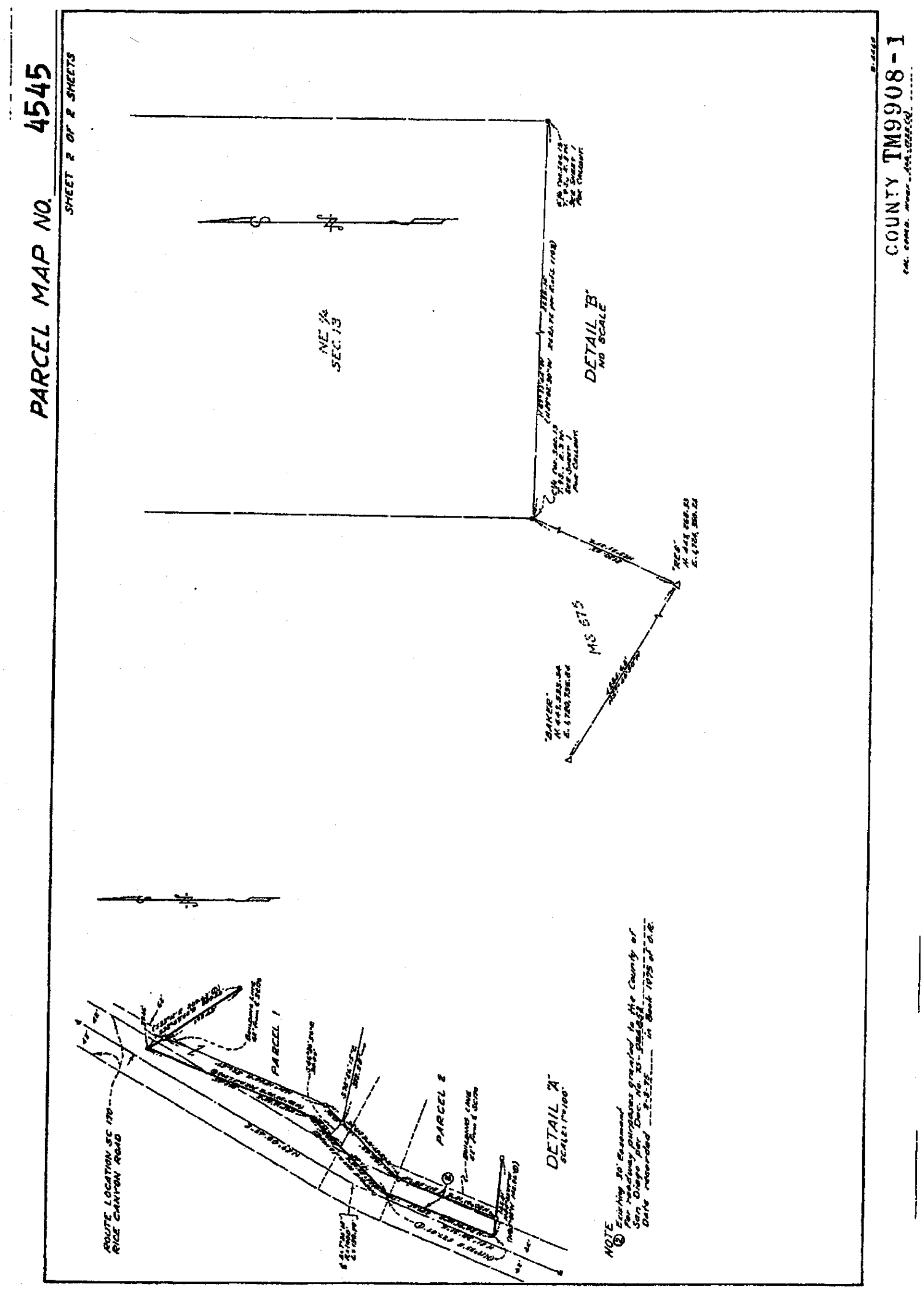
SDGE0253881





TM9908-1

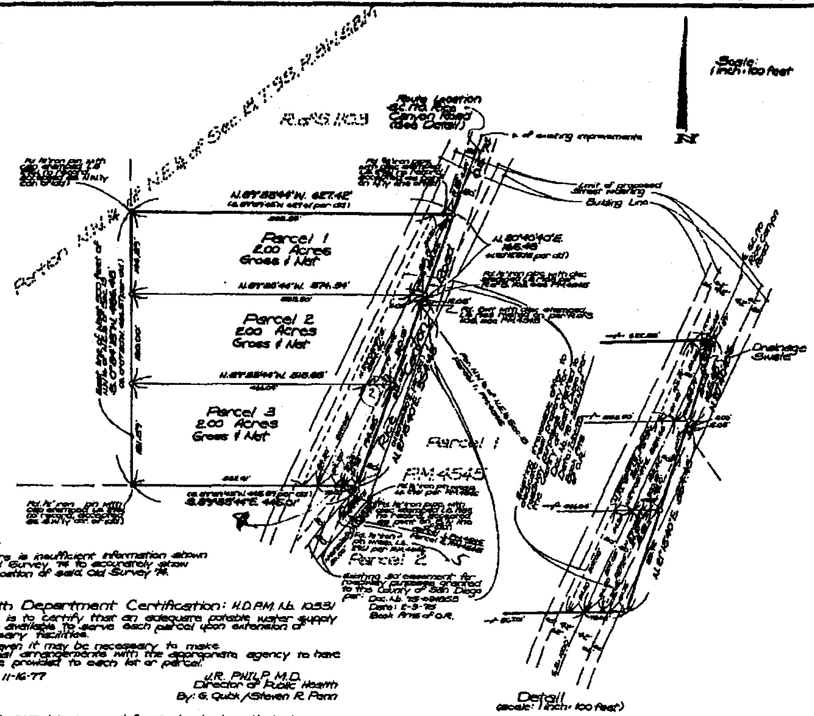
TM9908-1


PARCEL MAP NO. 4545
SHEET 2 OF 2 SHEETS
NE 1/4 SEC. 13
DETAIL 'B'
NO SCALE
MS 575
'BAKER'
PARCEL 1
PARCEL 2
DETAIL 'A'
ROUTE LOCATION SC 170
RICE CANYON ROAD
NOTE
Existing 30' Easement
COUNTY TM9908-1

TM14201

PARCEL MAP NO. 7669

SHEET 1 OF 2 SHEETS



Note:
There is insufficient information shown on Old Survey 74 to accurately show the location of said Old Survey 74.

Health Department Certification: H.D.P.M. No. 10331
This is to certify that an adequate potable water supply will be available to serve each parcel upon extension of necessary facilities.
However it may be necessary to make financial arrangements with the appropriate agency to have service provided to each lot or parcel.

Date: 11-16-77

J.R. PHILP M.D.
Director of Public Health
By: G. Quick /Steven R. Penn

Each parcel is approved for a standard septic tank connected to + feet of tile drain field to serve a three-bedroom dwelling. Provided the original soil is not disturbed in any way, such as cutting, filling or ripping. This does not constitute approval for commercial establishments.

* See percolation tests under the name "Earl Taylor" (11-3-77)

Percolation Data Supplied By Brian Donald R.C.E. 21176

Parcel 1 = 460 feet
Parcel 2 = 450 feet
Parcel 3 = 440 feet
100% Reserve

Steven R. Penn
11-16-77

Note:
Access to subject property is by Rice Canyon Road, which is a publicly maintained road. Only portions of Rice Canyon Road are known to have easements of record dedicated to the public for roadway purposes. Where right of way widths are not specified by existing easements, right of way width of 40 feet is assumed.

See Sheet No. 2 for Procedure of Survey & Vicinity Map

PARCEL MAP: of a

Portion of the N.W.¼ of N.E.¼ of Sec. 13, T.9S., R.8W., S.B.M., San Diego County, California.

LEGEND:

(dd) Indicates vesting deed, i.e. instrument recorded Aug. 31/77 @ F/P No. 77-341756 Book 1977 of O.R.

- ● Found points as noted
- ○ Set ¾" x 18" iron pipe with disc stamped L.S. 2821
- Drainage Swale

Parcel Map Guarantee issued by First American Title Insurance Company, Order No. 771756-11 on 5-21-78

BASIS OF BEARINGS:

The Basis of Bearings for this survey is the N.W. line of the N.E.¼ of Sec. 13, T.9S., R.8W., S.B.M. per P.M. 4545, i.e. N.89°21'30"E. Said bearing and the bearings shown hereon are in terms of the California Coordinate System, Zone 6. Quoted bearings may or may not be in terms of said Index.

I, R. J. MASSMAN, COUNTY ENGINEER OF SAN DIEGO COUNTY, STATE THAT THIS PARCEL MAP DOES NOT APPEAR TO BE A MAP OF A MAJOR SUBDIVISION FOR WHICH A FINAL MAP IS REQUIRED PURSUANT TO SECTION 66426 OF THE SUBDIVISION MAP ACT. I FURTHER CERTIFY THAT THIS PARCEL MAP CONFORMS TO THE TENTATIVE PARCEL MAP AND APPROVED ALTERATIONS THEREOF AND THAT ALL PROVISIONS OF DIVISION 1 OF TITLE 8 OF THE SAN DIEGO COUNTY CODE HAVE BEEN COMPLIED WITH.

R. J. MASSMAN
COUNTY ENGINEER

DATED 8-2-78 BY: A. H. Kaui
FOR COUNTY ENGINEER

THIS MAP CONFORMS WITH THE REQUIREMENTS OF THE SUBDIVISION MAP ACT AND DIVISION 1 OF TITLE 8 OF THE SAN DIEGO COUNTY CODE.

R. J. MASSMAN
COUNTY ENGINEER

DATED 8-2-78 BY: A. H. Kaui
FOR COUNTY ENGINEER

THIS MAP WAS PREPARED BY ME OR UNDER MY DIRECTION AND IS BASED UPON A FIELD SURVEY IN CONFORMANCE WITH THE REQUIREMENTS OF THE SUBDIVISION MAP ACT AT THE REQUEST OF Earl R. Taylor and Lynn E. Taylor, Leonard Bedolla and Carol Bedolla on 5-18-78. I HEREBY STATE THAT THE PARCEL MAP PROCEDURES OF THE LOCAL AGENCY HAVE BEEN COMPLIED WITH AND THAT THIS PARCEL MAP CONFORMS TO THE APPROVED TENTATIVE MAP AND THE CONDITIONS OF APPROVAL THEREOF WHICH WERE REQUIRED TO BE FULFILLED PRIOR TO THE FILING OF THE PARCEL MAP.

Lic. No. 2821

Sidney R. Hale
Sidney R. Hale, L.S. 2821
March 28, 1978
Date

FILE NO. 78-329210
FILED THIS 3 DAY OF August 1978 AT 3:36 P.M.
IN BOOK OF PARCEL MAPS AT PAGE 7669
AT THE REQUEST OF Sidney R. Hale

HARLEY F. BLOOM
COUNTY RECORDER

BY: Nancy McLellan
DEPUTY COUNTY RECORDER

FEE $7.00

M.O.S. 77-177

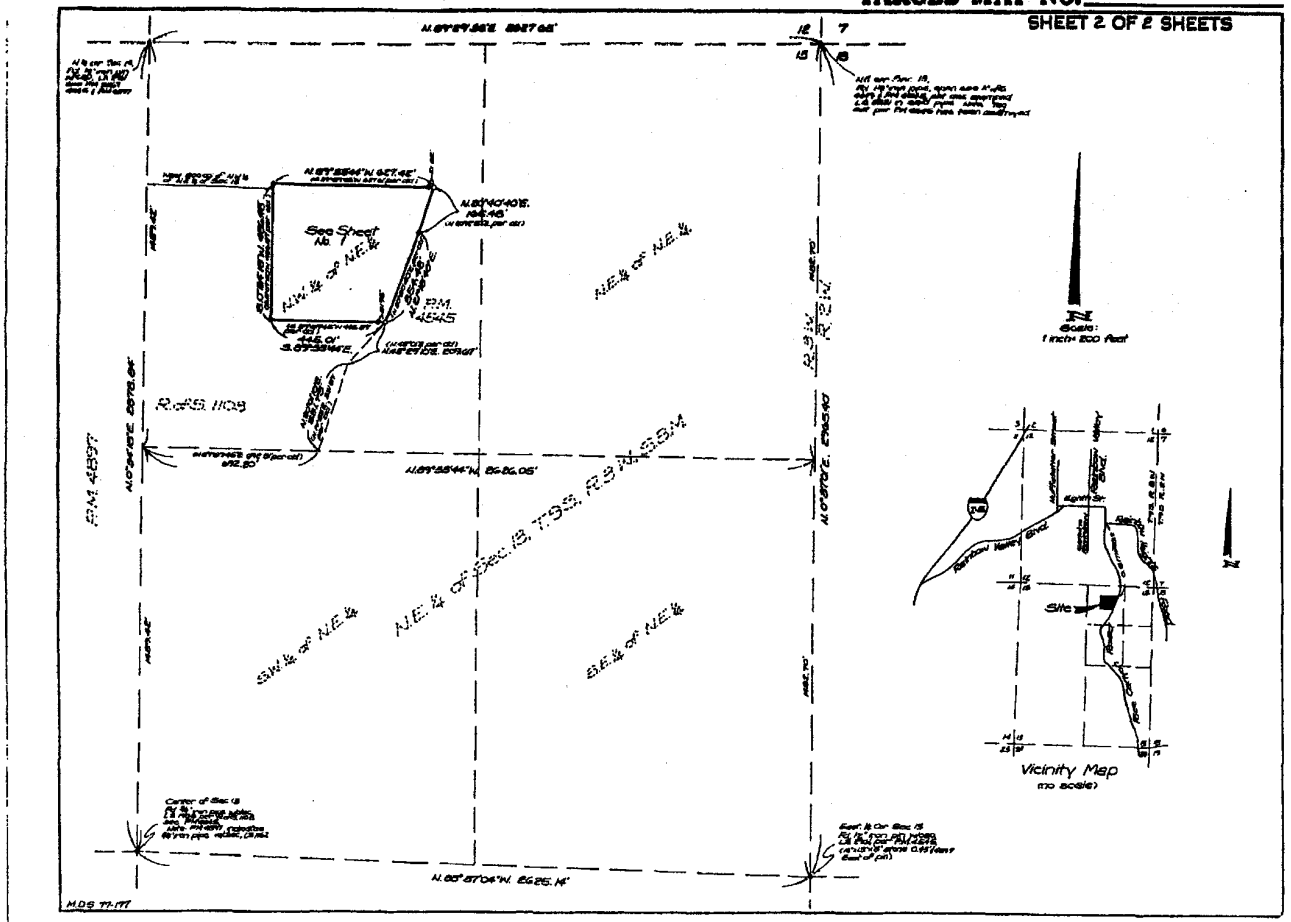
CALIF. COORD. INDEX 446-1725 (X) COUNTY TM 14201

TM14201

TM14201

PARCEL MAP NO. 7669

SHEET 2 OF 2 SHEETS



Calif. Coord. Index 446-1765

County T.M. 14201

TM14201

RIGHT OF WAY

We, Frederick William Innes and Emma M. Innes

______, hereinafter called the "Grantor," for and in consideration of the sum of One Dollar, and other value received, do hereby grant to the San Diego Gas & Electric Company, a corporation, its successors and assigns, hereinafter called the "Grantee," the right, easement and privilege of placing, erecting, constructing, repairing, replacing, maintaining and using, for the transmission and distribution of electricity and for all purposes connected therewith, a line of poles with wires suspended thereon and all necessary and proper guys, anchorage, crossarms and braces and other fixtures for use in connection therewith, together with the right of ingress thereto and egress therefrom to and along said line, over and across the Grantor's land situate in the County of San Diego, State of California, and more particularly described as follows: The West 945.39 feet of the North 973.63 feet of the NW¼ of the NE¼ of Section 13, Township 9 South, Range 3 West, San Bernardino Meridian.

Also: That certain portion of the W½ of the NE¼ of said Section 13, described in Deed recorded in Book 1849 at Page 456, Official Records of said County of San Diego.

The route of said line of poles and wires across said land shall be as follows: Adjacent to the South line of said West 945.39 feet of the North 973.63 feet of said NW¼ of the NE¼ of Section 13.

Also: Beginning at a point on the Easterly line of the SW¼ of the NE¼ of Section 13, distant thereon, 1.8 feet Northerly from the Southeast corner thereof; thence from said point of beginning, North 29° 21' 10" West, 1457.9 feet; thence North 0° 32' 10" West, to the Northwesterly boundary line of said property described in the above mentioned Deed.

need deed?

The Grantee is also hereby granted the right to trim any trees along said line of poles and wires whenever considered by it necessary for the proper operation and use of the rights hereby granted.

In Witness Whereof, the Grantors executed these presents this 2nd day of December, 1948

Executed in the Presence of:

Thomas E. Owings Jr. — Frederick William Innes

Emma M. Innes

Witness.

DRAWN BY JAC

CHECKED BY ECR

NOTARIES — USE PROPER FORM ON BACK.

SKETCH NO. S-1406

3305 314

BOOK 3305 PAGE 314

WITNESS FORM

STATE OF CALIFORNIA, } 780041004 59
County of San Diego

On this 13th day of December A. D. 19 48 before me, R. S. Ruffin, a Notary Public in and for the said County and State, residing therein, duly commissioned and sworn, personally appeared Oliver E. Owen, Jr. known to me to be the person whose name is subscribed to the within instrument, as a Witness thereto, who being by me duly sworn, deposes and says: That he resides in San Diego, California and that he was present and saw Frederick William Innes & Emma M. Innes personally known to him to be the same persons whose names are subscribed to the within and annexed Instrument, execute and deliver the same, and they acknowledged to said affiant that they executed the same; and that said affiant subscribed his name thereto as a Witness.

In Witness Whereof, I have hereunto set my hand and affixed my official seal the day and year in this certificate first written.

R. S. Ruffin

Notary Public in and for the County of San Diego, State of California

My Commission Expires ... 195..

GENERAL FORM

STATE OF ______ } ss.
County of ______

On this ____ day of ______ A.D. 19__, before me, ______ a Notary Public in and for the said County and State, residing therein, duly commissioned and sworn, personally appeared ______ personally known to me to be the person__ whose name ____ subscribed to the within Instrument, and duly acknowledged to me that __he__ executed the same.

In Witness Whereof, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

______
Notary Public in and for said County and State.

22947 [illegible]

RIGHT OF WAY

Frederick William Innes
and
Emma M. Innes

INDEXED

TO

MICROFILMED

SAN DIEGO GAS & ELECTRIC COMPANY

DOCUMENT NO. 79579
RECORDED AT REQUEST OF Grantee
AUG 31 1949
at 50 Minutes past 10
BOOK 3305 PAGE 313
OFFICIAL RECORDS
San Diego County, California
[illegible], County Recorder

COMPARED

1.70
4

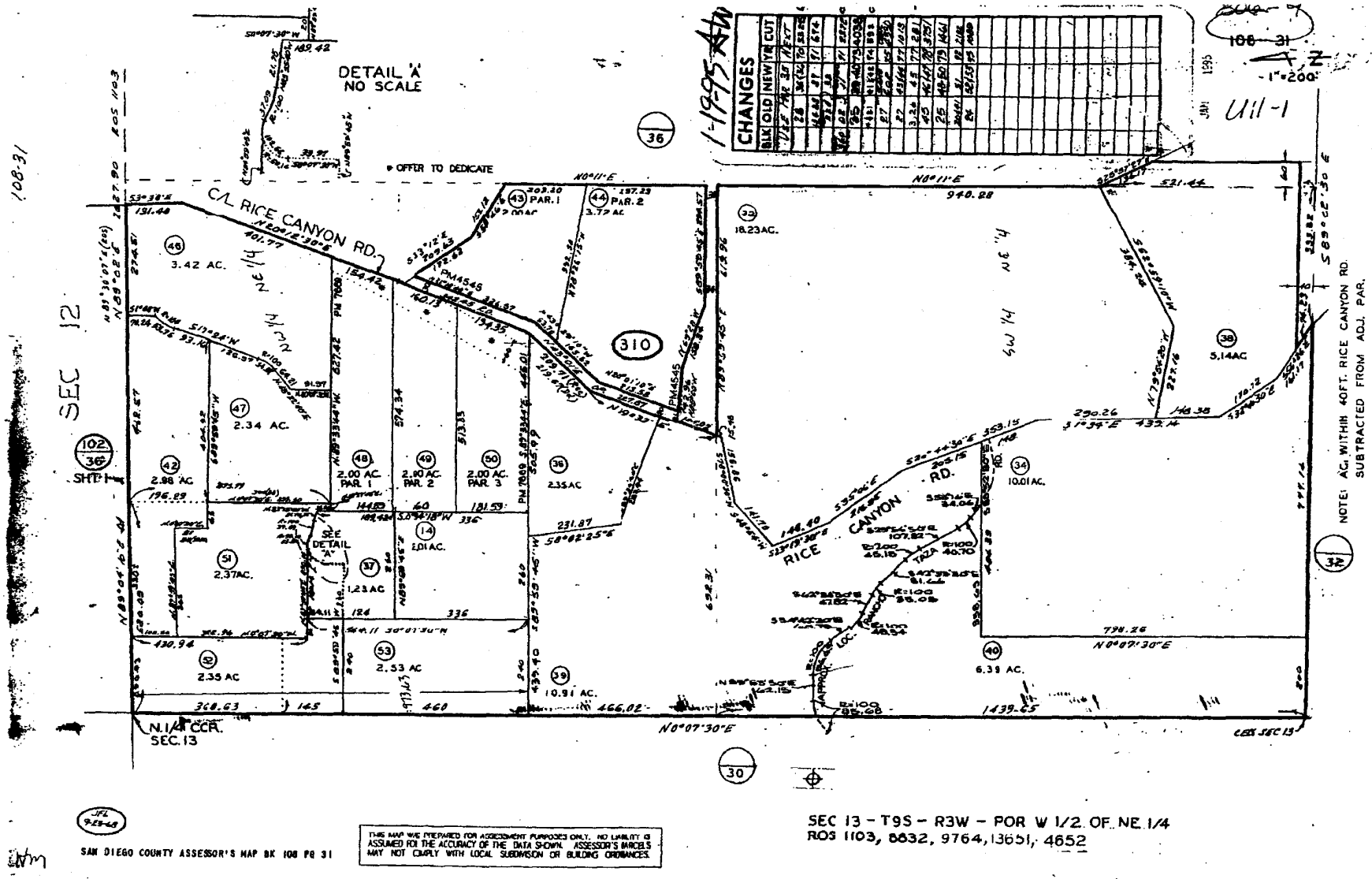
CORPORATION FORM

STATE OF ______ } ss.
County of ______

On this ____ day of ______ A.D. 19__, before me, ______ a Notary Public in and for the said County and State, residing therein, duly commissioned and sworn, personally appeared ______ known to me to be the ______ President and ______ known to me to be the ______ Secretary of the the Corporation that executed the within Instrument, known to me to be the persons who executed the within Instrument, on behalf of the Corporation therein named, and acknowledged to me that such Corporation executed the same.

In Witness Whereof, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

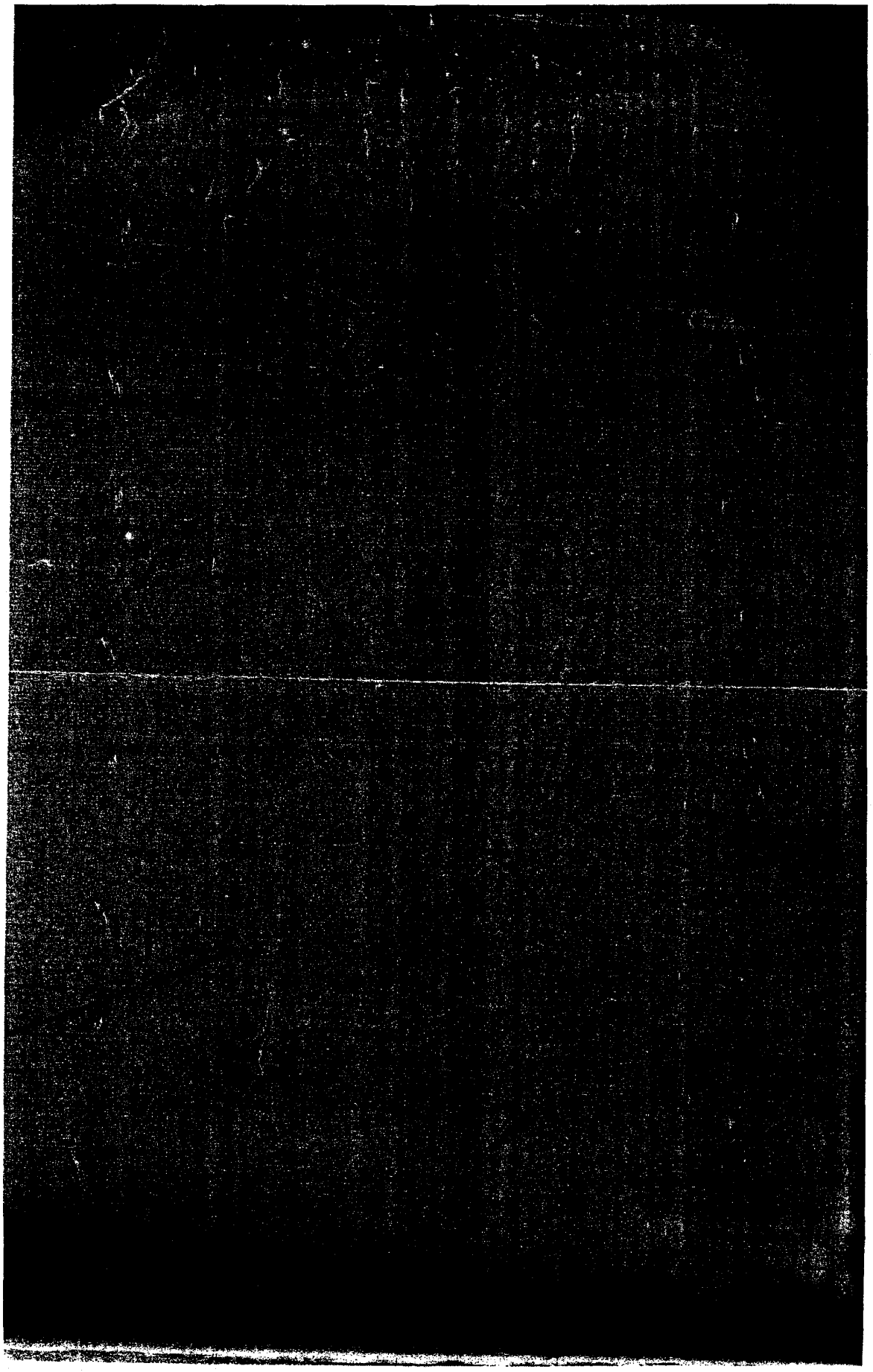
______
Notary Public in and for said County and State.



SAN DIEGO COUNTY ASSESSOR'S MAP BK 108 PG 31

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN. ASSESSOR'S PARCELS MAY NOT COMPLY WITH LOCAL SUBDIVISION OR BUILDING ORDINANCES.

SEC 13 - T9S - R3W - POR W 1/2 OF NE 1/4
ROS 1103, 8632, 9764, 13651, 4652



DOC # 2007-0549794

AUG 17, 2007 11:09 AM

OFFICIAL RECORDS
SAN DIEGO COUNTY RECORDER'S OFFICE
GREGORY J. SMITH, COUNTY RECORDER
FEES: 7.00
PAGES: 1

2007-0549794

RECORDING REQUESTED BY

MIGUEL A. MARTINEZ
L.S. 7443

WHEN RECORDED MAIL TO:

ALTA LAND SURVEYING, INC
1530 JAMACHA ROAD, SUITE E
EL CAJON, CA 92019

4383

CERTIFICATE OF CORRECTION

PURSUANT TO SECTION 66469 OF THE SUBDIVISION MAP ACT, NOTICE IS GIVEN THAT PARCEL MAP NO. 19095, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY ON MOVEMBER 08, 2002 AS FILE NO. 2002-1001438, O.R., IS IN ERROR AND IS CORRECTED AS FOLLOWS IN ACCORDANCE WITH SECTION 66469 OF THE SUBDIVISION MAP ACTAS FOLLOWS:

SHEET 2 & 3 OF 5 SHEETS

1. ALL 2" X 24" IRON PIPES ARE SET WITH A DISC STAMPED "L.S. 7443" IN LIEU OF A DISC STAMPED "L.S. 5770" AS INDICATED ON SAID PARCEL MAP.

2. ALL 1/2" X 18" MONUMENTS ARE SET WITH A ¾" X 18" IRON PIPE W/CAP STAMPED "L.S. 7443" IN LIEU OF A CAP STAMPED "R.C.E. 30592" AS INDICATED ON SAID PARCEL MAP.

I CERTIFY THAT THE FOLLOWING ARE THE NAMES OF ALL THE FEE OWNERS OF REAL PROPERTY REFLECTED ON THE DATE OF THE FILING OR RECORDING OF THE ORIGINAL RECORDED MAP.

JUSTINE B. FENTON, TRUST, AS OWNER

CERTIFICATE OF SURVEYOR

I FURTHER CERTIFY THAT THE ABOVE CERTIFICATE OF CORRECTION WAS PREPARED BY ME OR UNDER THE DIRECTION AND CONTROL OF THE UNDERSIGNED REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR.

PROFESSIONAL LAND SURVEYOR
MIGUEL A. MARTINEZ
L.S. 7443
Exp. 06/30/08
STATE OF CALIFORNIA

02/12/07

MIGUEL A. MARTINEZ
L.S. 7443, LIC. EXP. 06/30/08

I, TERRENCE T. CONNORS, COUNTY SURVEYOR OF THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, CERTIFY THAT I HAVE EXAMINED THE FOREGOING CERTIFICATE OF CORRECTION AND FIND THAT THE ONLY CHANGES SHOWN HEREON ARE CHANGES PROVIDED FOR BY SECTION 66469 OF THE SUBDIVISION MAP ACT.

LICENSED LAND SURVEYOR
TERRENCE T. CONNORS
5099
Expires 6/30/09
STATE OF CALIFORNIA

TERRENCE T. CONNORS
COUNTY SURVEYOR
L.S. 5099, LIC. EXP. 06/30/09 BY: _____ DATE 08/13/07 FEE: _____

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