

TO: James L. App, City Manager
FROM: Ed Gallagher, Community Development Director
SUBJECT: Southern California Gas Company Advanced Meters
DATE: April 2, 2013

Needs: City Council consideration of nine (9) encroachment permit applications from the Southern California Gas Company to place wireless data collector units (DCUs) in public right-of-ways throughout the City in conjunction with their upgrade of all residential and business gas meters.

Facts:

1. The Southern California Gas Company is upgrading all local meters to allow the meters to transmit usage data wirelessly. The DCUs will also allow for the future wireless control and monitoring of natural gas transmission pipelines and valves.
2. Advanced meters are cost effective for the Gas Company and have the capability of providing the customer with more detailed information that may lead to opportunities for conservation.
3. In order for the DCU system to work properly throughout the City, the Gas Company must install nine DCUs in public right-of-ways. DCUs can either be installed upon existing City street light poles or new free-standing poles, approximately 30 feet high, fitted with antennas and a cabinet. The Gas Company initially proposed installing six DCUs on existing street light poles, and three free-standing poles, however it maintained it could only pay \$39 per year per city street light pole for such use. Therefore, the Gas Company determined it would place all the DCUs on free-standing poles that it will own and maintain.
4. The City Engineer has recently received encroachment permit applications from the Gas Company for placement of nine poles with DCUs that will be installed, owned and maintained by the Gas Company.

Analysis & Conclusion: In May 2012, Gas Company representatives met with Doug Monn and John Falkenstien to announce their plans for implementation of the Advanced Meter program. Mr. Falkenstien visited the nine sites proposed for DCUs with the Gas Company engineers. It was determined through these site visits that existing street light poles could be used at six locations to house the DCUs in lieu of new poles.

Southern California Gas Company submitted a draft agreement for joint use of City street light poles, to which the City Attorney submitted revisions. However, the primary area of disagreement was over the proposed annual fee for the use of city poles; Southern California Gas Company stated it could pay no more than \$39 per year per pole. The Gas Company has subsequently submitted encroachment permit applications to install DCUs at all nine locations on new Gas Company-owned poles.

The City Attorney has provided the opinion that while there is latitude in the City's ability to regulate the installation of DCUs through the Franchise Agreement and encroachment permit processes, regulation cannot be so restrictive as to preclude deployment of the program. However, the City can exercise some regulatory authority regarding construction, design and placement within the public right-of-way in a manner that is not inconsistent with the public utilities commission regulatory authority.

The Gas Company has presented options of wood, steel or concrete poles for the DCU installations.

Policy Reference: Ordinance No. 421 N. S. Southern California Gas Company Franchise Agreement

Fiscal
Impact: None

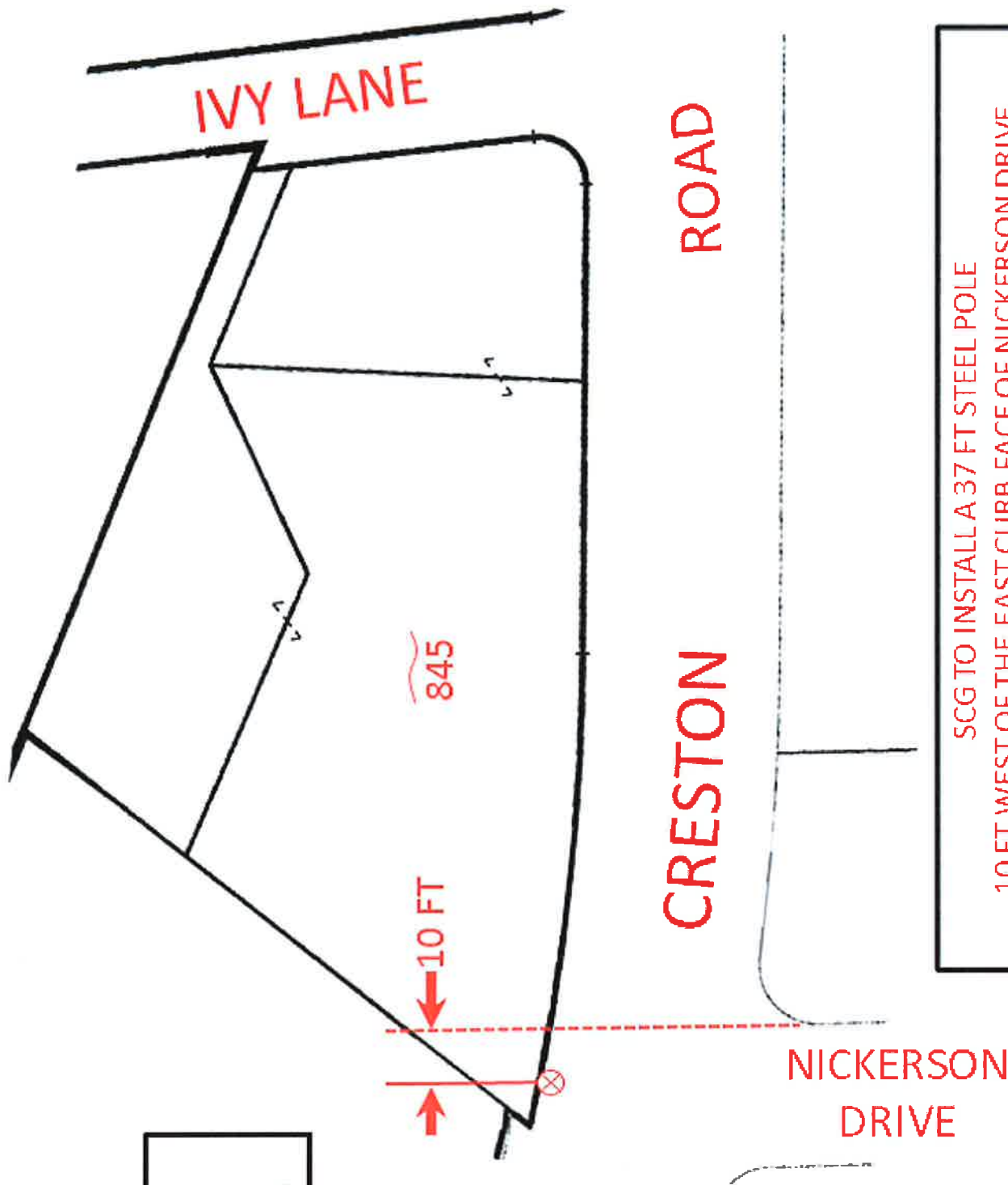
- Options:
- a. Authorize the City Engineer to issue encroachment permits to Southern California Gas Company to install nine poles with data collection units for advanced meter network communications on their meters City-wide, with said poles to be constructed of the selected materials at specified locations; or
 - b. Amend, modify, or reject the above option.

Prepared by: John Falkenstien, City Engineer

Attachments: (2)

- (1) Proposed Locations of DCUs
- (2) Typical DCU

SITE ID: RL018-A
 845 CRESTON ROAD
 PASO ROBLES, CA 93446
 THOMAS GUIDE PAGE: 513-J6



ADVANCEDmeter

SCG TO INSTALL A 37 FT STEEL POLE
 10 FT WEST OF THE EAST CURB FACE OF NICKERSON DRIVE
 AND
 8 FT NORTH OF THE NORTH CURB FACE OF CRESTON ROAD.
 NOTE: PROPOSED POLE TO BE LOCATED 20 WEST OF EXISTING
 STREET LIGHT LOCATED AT THE NORTH END OF CRESTON ROAD
 CROSS WALK

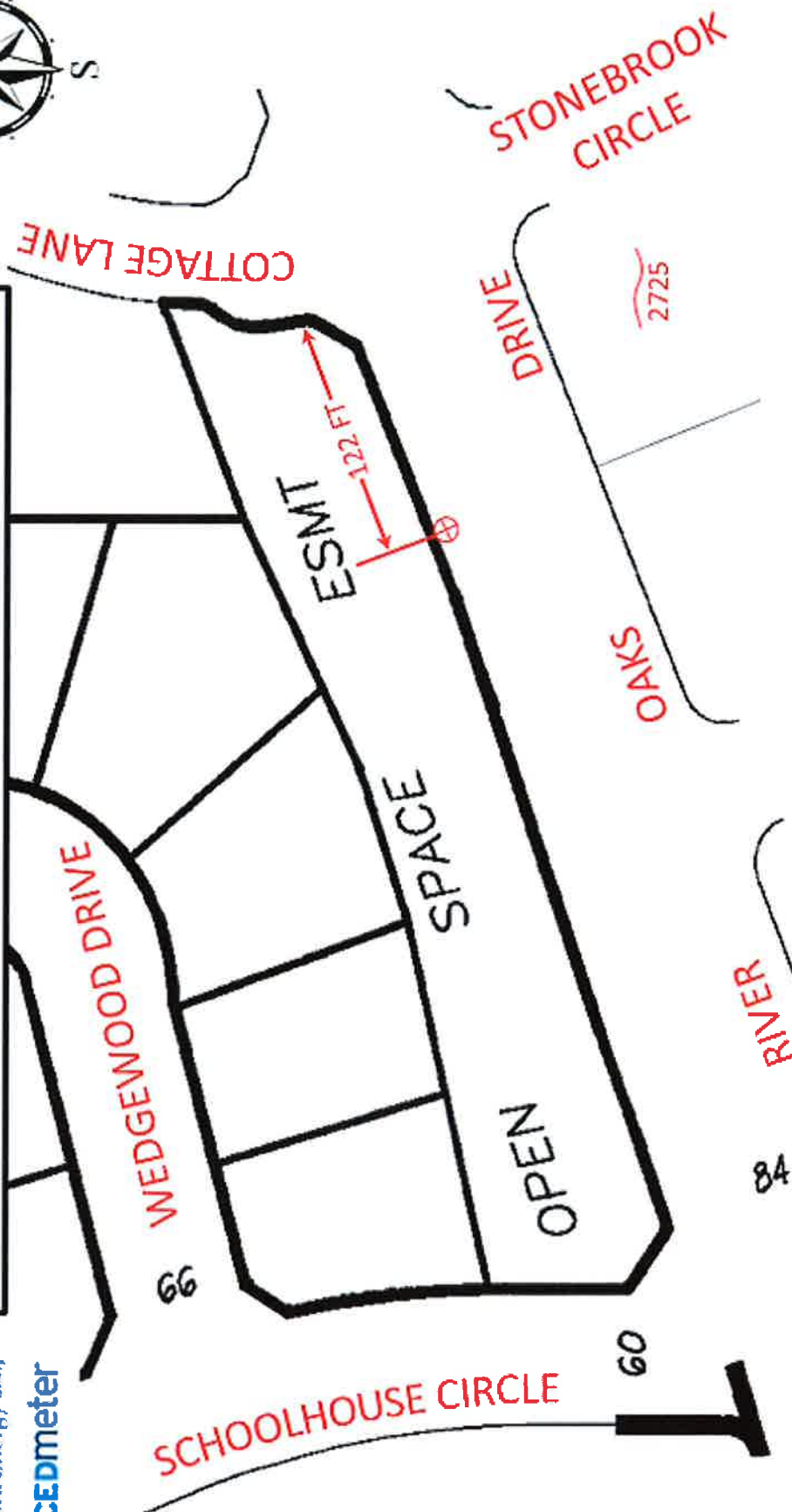


SITE ID: RL034-A

ON RIVER OAKS DRIVE; ACROSS FROM 2725 STONEBROOK CIRCLE

PASO ROBLES, CA 93446

THOMAS BROS GUIDE PAGE: 513-H2



SCG TO INSTALL A 33 FT CONCRETE POLE
122 FT WEST OF THE WEST CURB FACE OF COTTAGE LANE AND
3 FT NORTH OF THE NORTH CURB FACE OF RIVER OAKS DRIVE.



ADVANCEDmeter

SITE ID: RL017-A
1610 COMMERCE WAY
PASO ROBLES, CA 93446
THOMAS BROS GUIDE PAGE: 514-B7



SCG TO INSTALL A 37 FT STEEL POLE
570 FT SOUTH OF THE SOUTH CURB
FACE OF SHERWOOD ROAD
AND
8.5 FT EAST OF THE EAST CURB
FACE OF COMMERCE WAY.

SHERWOOD RD.

WAY

100'

570 FT

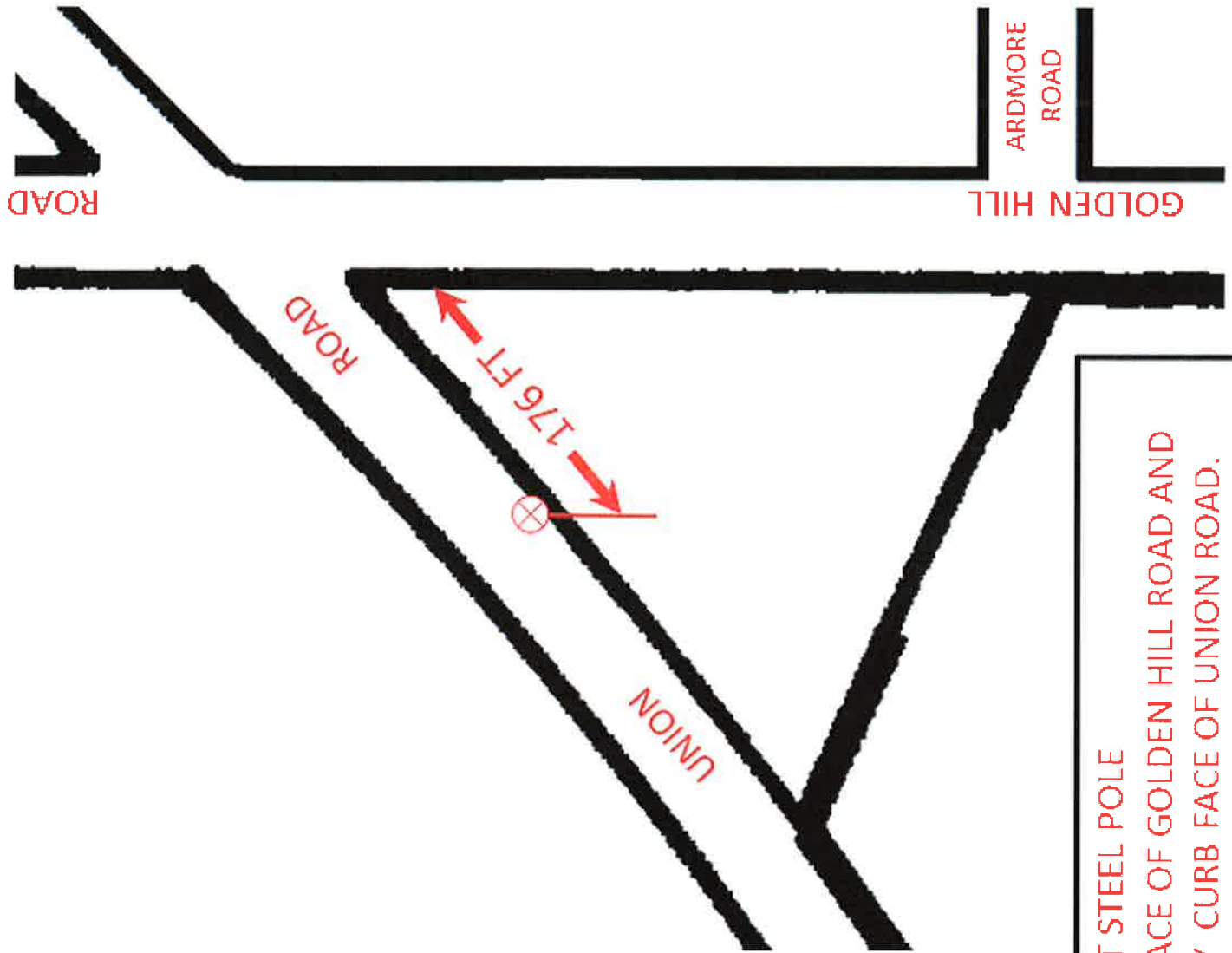
FONTANA RD

COMMERCE



ADVANCEDmeter

SITE ID: RL028-A
1925 GOLDEN HILLS ROAD, SUITE 100
PASO ROBLES, CA 93446
THOMAS BROS GUIDE PAGE: 514-A4



SCG TO INSTALL A 37 FT STEEL POLE
176 FT SOUTHWEST OF THE WEST CURB FACE OF GOLDEN HILL ROAD AND
2 FT SOUTHEAST OF THE SOUTHEASTERLY CURB FACE OF UNION ROAD.



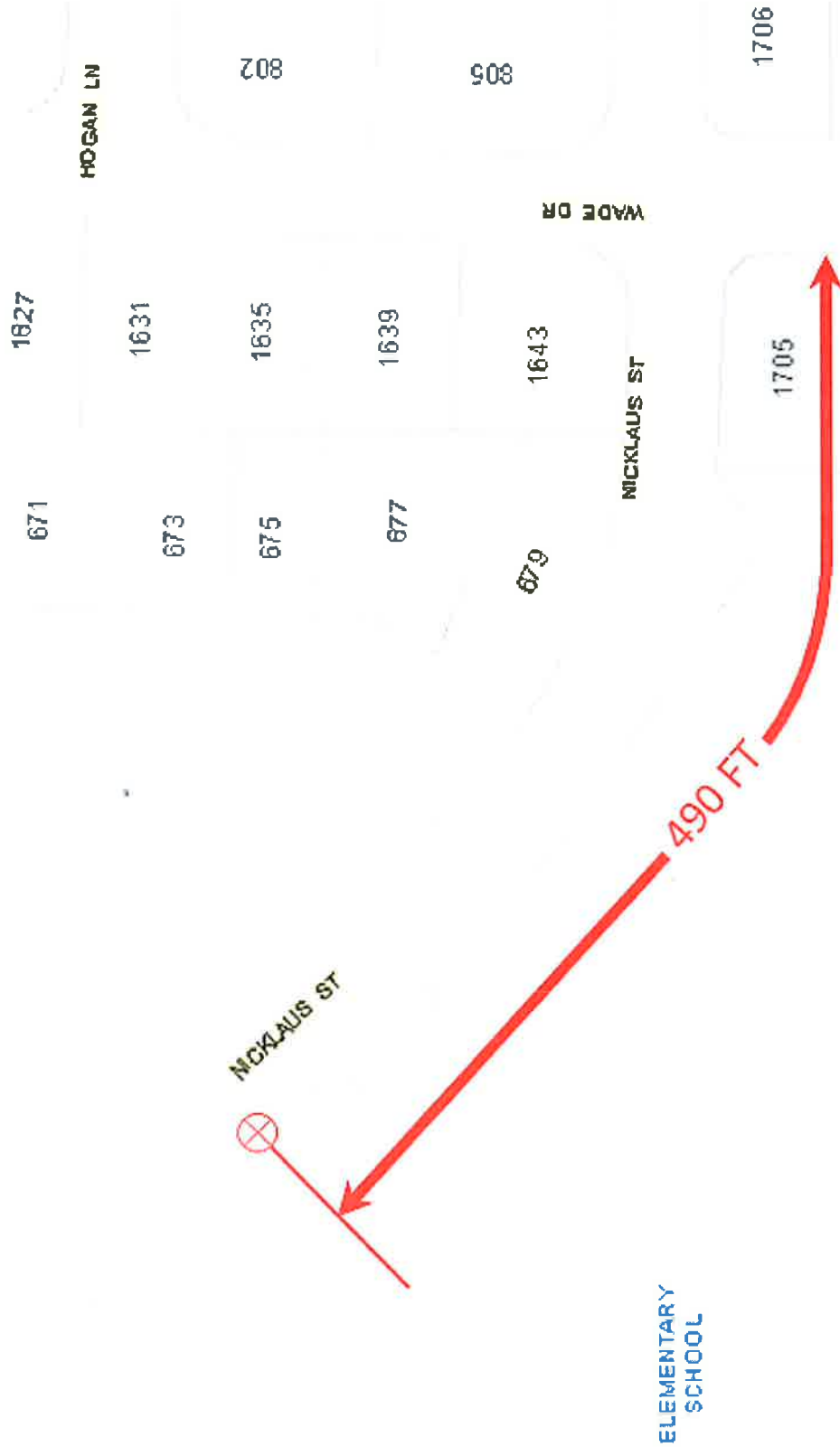
A Semptra Energy utility

ADVANCEDmeter

SITE ID: RL016-B
NORTHWEST OF 1705 WADE DRIVE
PASO ROBLES, CA 93446
THOMAS BROS GUIDE PAGE: 513-H7



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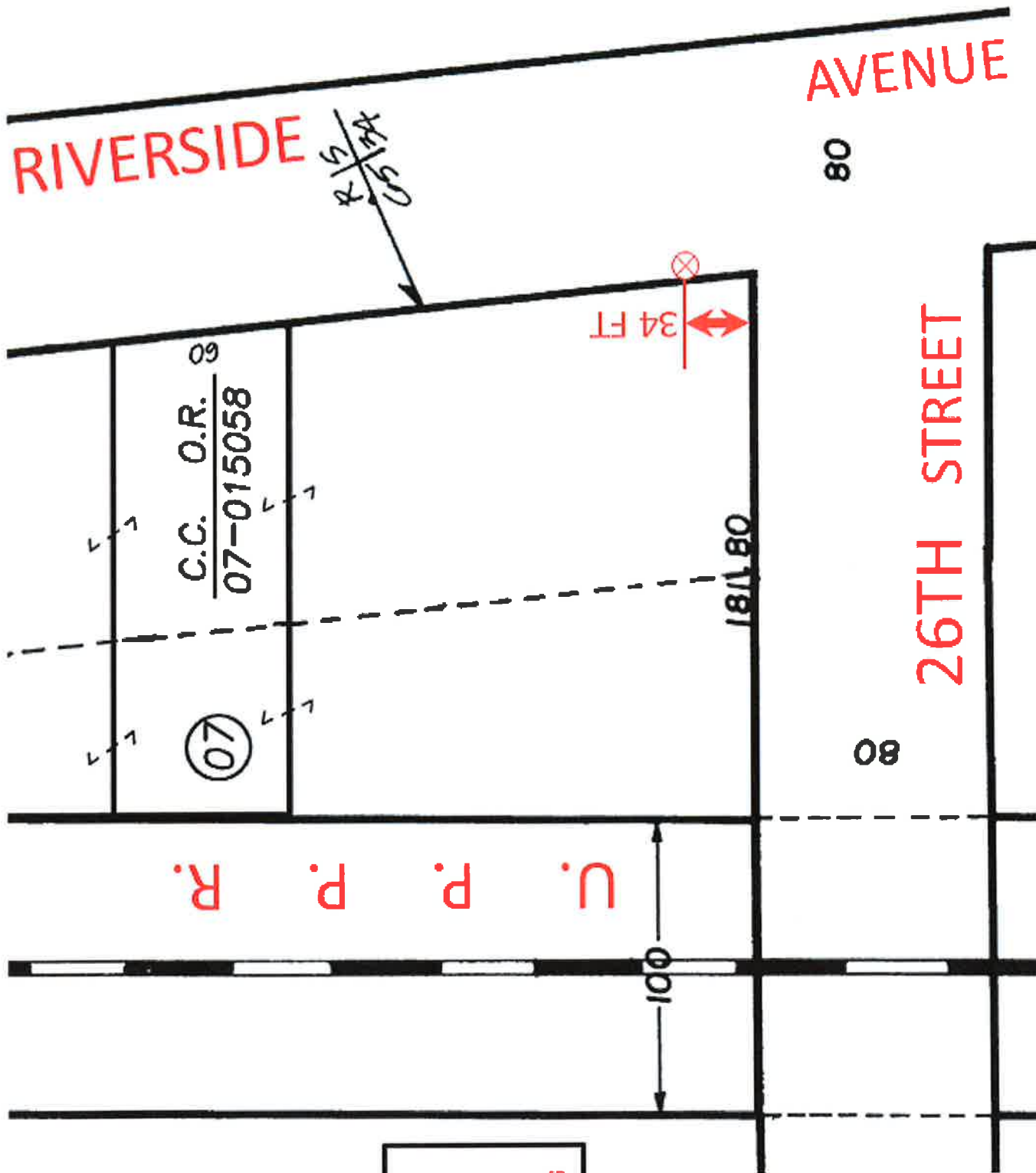


SCG TO INSTALL A 37 FT STEEL POLE
490 FT NORTHWEST OF THE WEST CURB FACE OF WADE DRIVE AND
5 FT SOUTHWEST OF THE SOUTHWESTERLY CURB FACE OF NICKLAUS.



A Semptra Energy utility
ADVANCEDmeter

SITE ID: RL029_CITY
ALTERNATIVE
2621 RIVERSIDE AVENUE
PASO ROBLES, CA 93446
THOMAS GUIDE PAGE: 513-F3



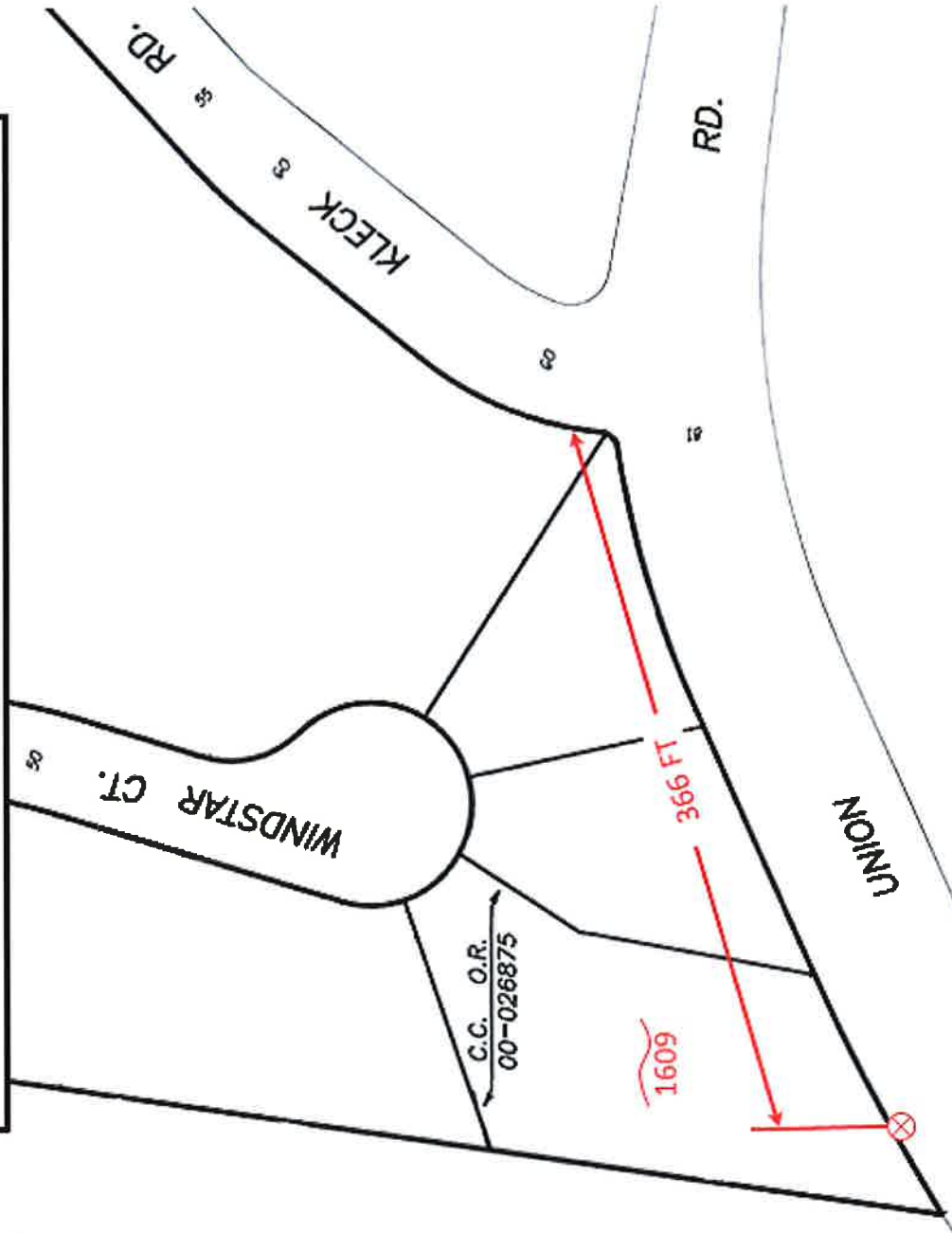
**SCG TO INSTALL A 37 FT STEEL POLE 34 FT NORTH OF THE NORTH CURB FACE OF 26TH STREET
AND 15 FT WEST OF THE WEST CURB FACE OF RIVERSIDE AVENUE.**



ADVANCEDmeter



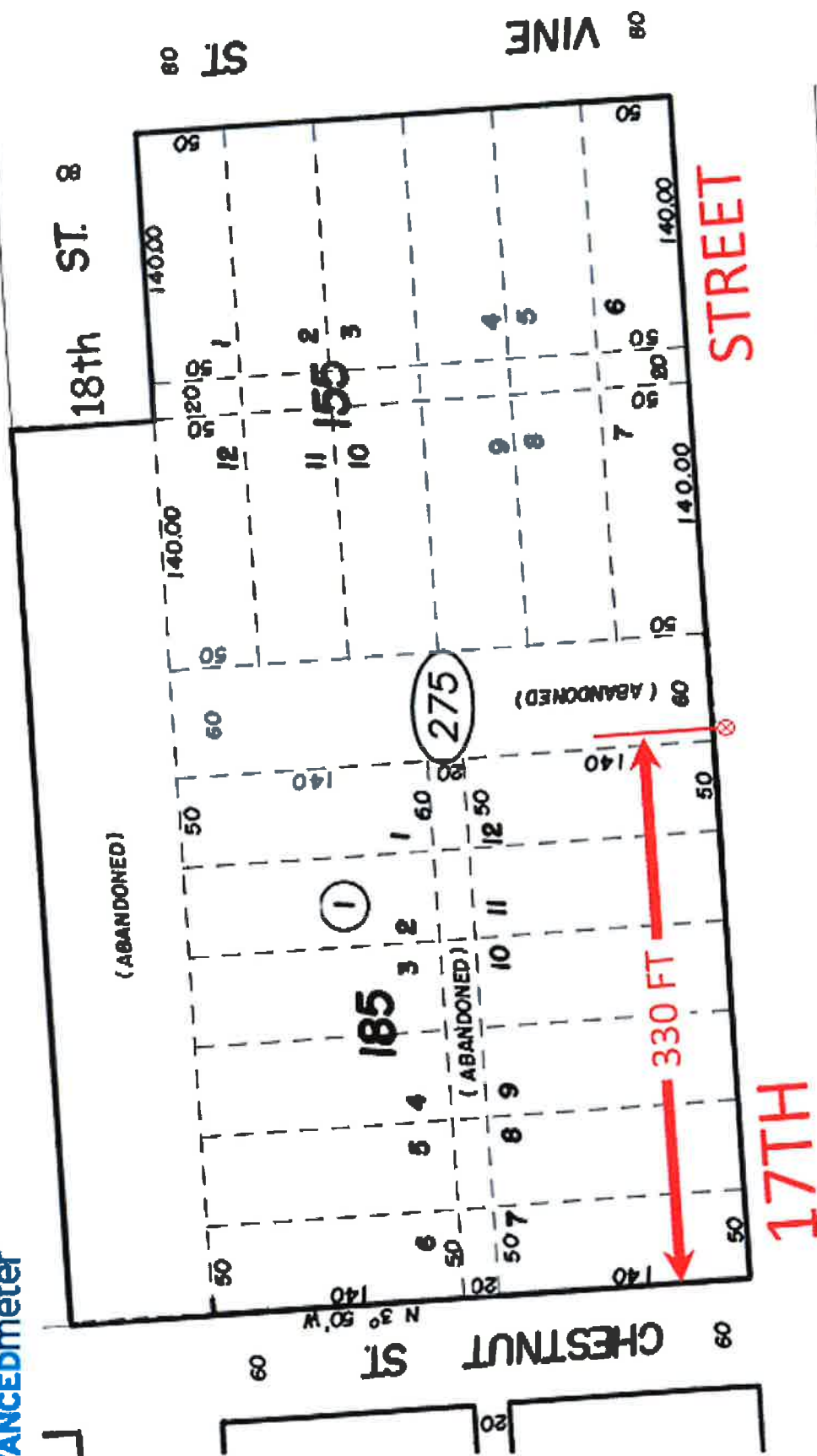
SITE ID: RL037_CITY ALTERNATIVE
ON UNION ROAD; SOUTH OF 1609 WINDSTAR COURT
PASO ROBLES, CA 93446
THOMAS BROS GUIDE PAGE: 513-J4



SCG TO INSTALL A 37 FT STEEL POLE
366 FT WEST OF THE WEST CURB FACE OF KLECK ROAD AND
15 FT SETBACK NORTH OF THE NORTH CURB FACE OF UNION ROAD.
NOTE: 10 FT NORTHEAST OF STREETLIGHT # 1864



ADVANCEDmeter



SCG TO INSTALL A 35 FT C5 WOOD POLE 330 FT EAST OF THE EAST CURB FACE OF CHESTNUT STREET AND 12 FT NORTH OF THE NORTH CURB FACE OF 17TH STREET.



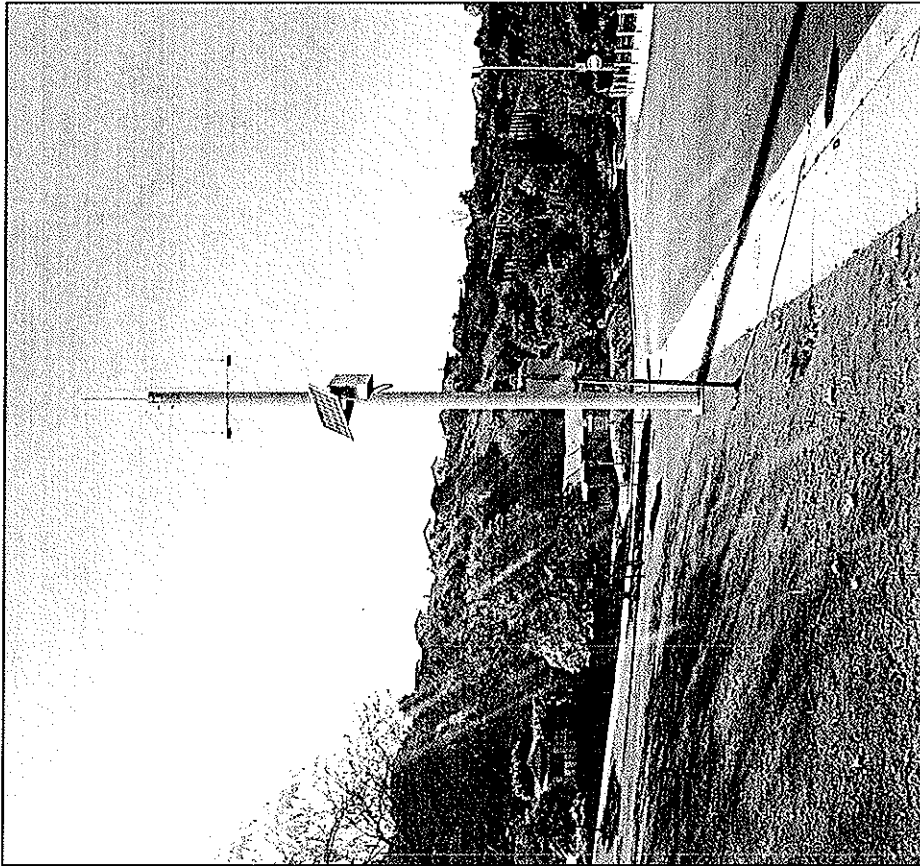
SITE ID: RL036_CITY
ALTERNATIVE
ACROSS FROM 5215 AIRPORT ROAD
PASO ROBLES, CA 93446
THOMAS BROS GUIDE PAGE: 494-C5



SCG TO INSTALL A 35 FT C5
WOOD POLE 590 FT SOUTH
OF THE SOUTH EDGE OF
PAVEMENT OF ADOBE
ROAD AND 8 FT EAST OF
THE EAST EDGE OF
PAVEMENT OF AIRPORT
ROAD.



About the Communication Network – Data Collection Units (DCUs)



- Installing approximately 4,000 DCUs throughout SoCalGas' service territory beginning early 2012
- Pole mounted at 30 feet or higher
- A/C or Solar Powered
- DCU cabinet is 25" H x 15.5" W x 9" D and weighs 80 lbs
- Built-in Redundancy: advanced meters will communicate with two to three DCUs

*PHOTO FOR DISCUSSION PURPOSES ONLY
Final Product Will Depend on Local Conditions*

ADVANCEDmeter