

**LEGEND:**  
 - - - - - (E) EXISTING GAS LINES  
 ——— (N) NEW 1/4" GAS LINES  
 ● (N) NEW GAS SERVICE

REFER TO CAMPOKA GAS FOR DETAILS

NO.	REVISIONS	BY	APP.	DATE

**WEATHERBY REYNOLDS**  
**CONSULTING ENGINEERS**  
 205 PINE ST., JACKSON, CA 95642 (209) 223-0381  
 (209) 754-1137 FAX # (209) 223-0716

CONSTRUCTION PLANS FOR  
 LAKERIDGE SUBDIVISION  
 UNIT NO. 1  
 GAS IMPROVEMENTS  
 CALAVERAS COUNTY, CALIFORNIA

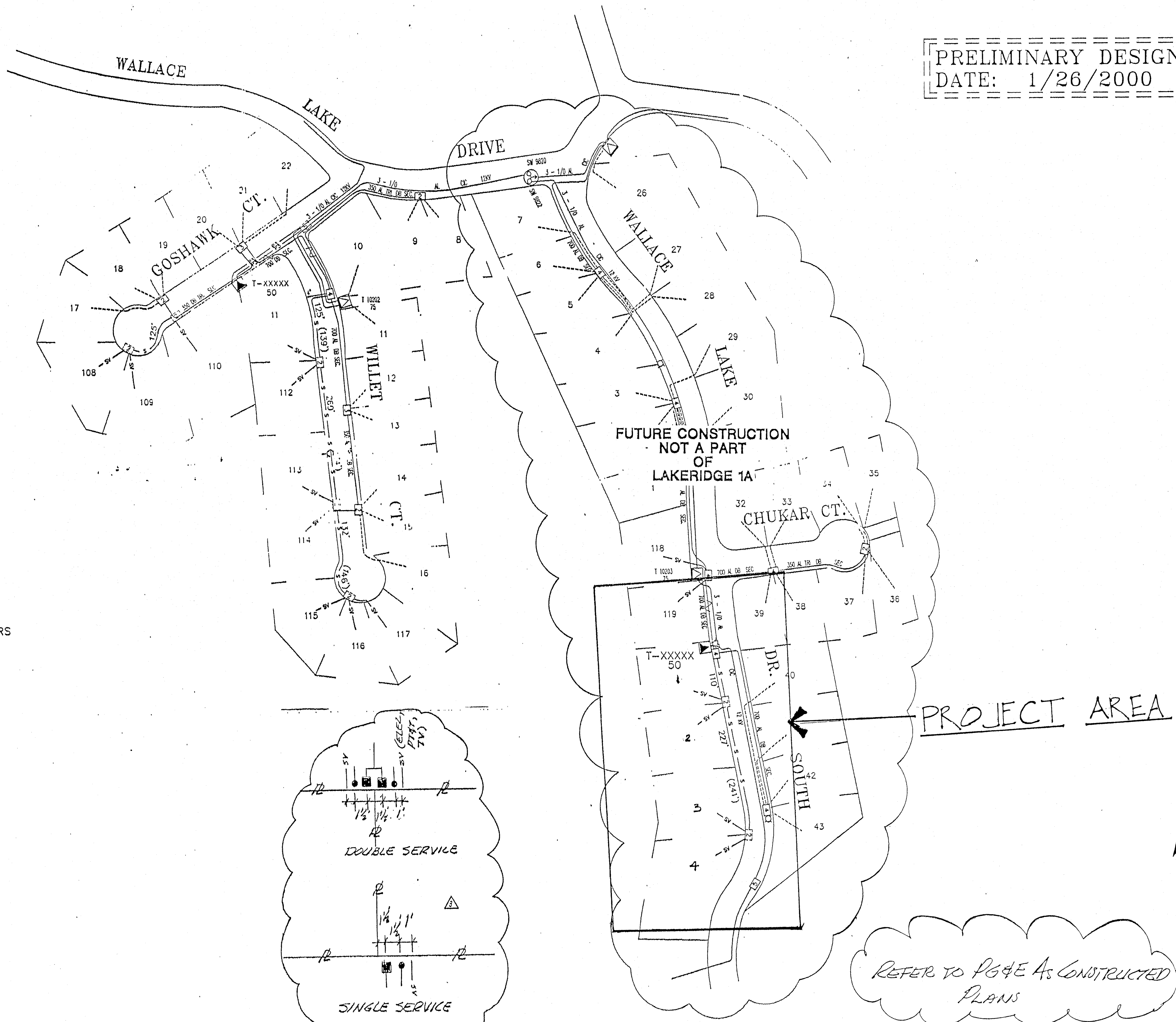
FILE NO.: 0-5006  
 SCALE: 1" = 50'  
 DATE: 02-01-00

REGISTERED PROFESSIONAL ENGINEER  
 ENGINE WEATHERBY  
 No. 14774  
 3-31-01  
 CIVIL  
 STATE OF CALIFORNIA

SHEET  
**4**  
 OF 7 SHEETS

DESIGN: EW DATE: 02-01-00  
 DRAWN: TKG DATE: 02-01-00  
 CHECKED: EW DATE: 02-01-00

PRELIMINARY DESIGN  
DATE: 1/26/2000

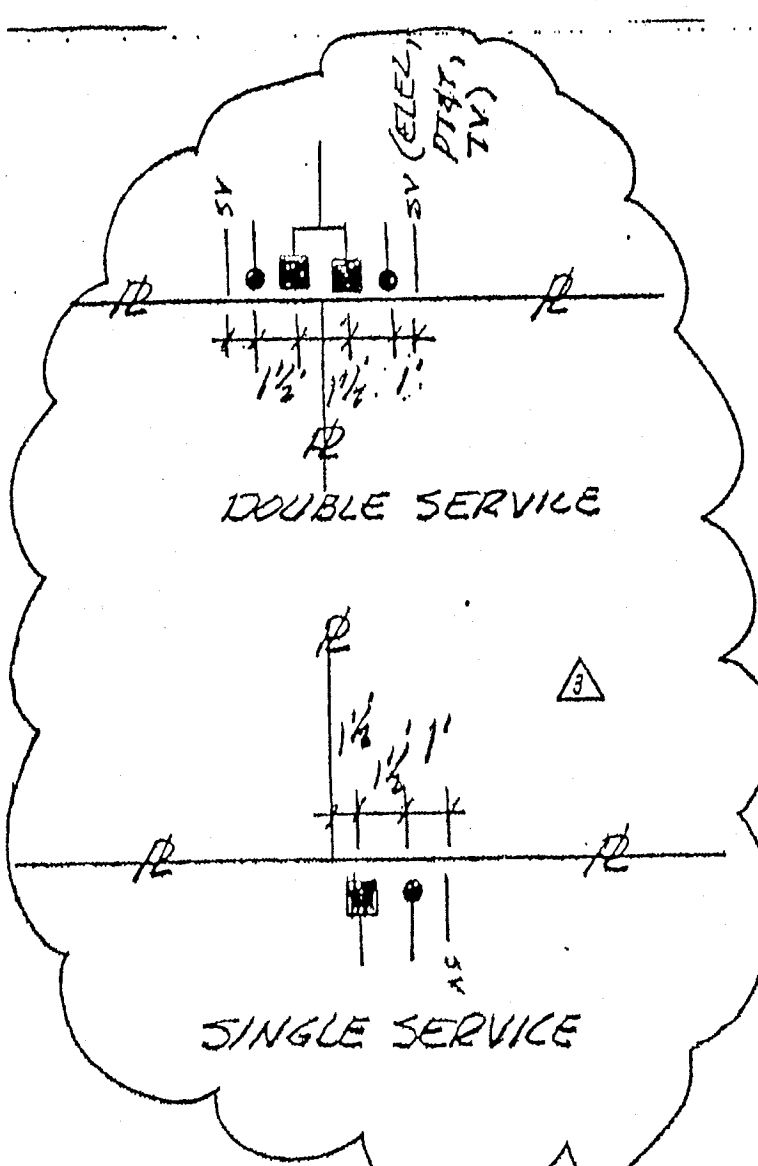


**NOTES:**

1. ALL TRENCHING, EXCAVATION, BACKFILLING, SUBSTRUCTURES, & CONDUITS TO BE DONE BY APPLICANT.
2. APPLICANT IS RESPONSIBLE RETAINING WALLS, MAINTAINING WORK SPACE, & MECHANICAL PROTECTION AROUND TRANSFORMERS & SPLICE BOXES PER DWG. 051122.
3. SERVICE TO BE RUN ON INDIVIDUAL BASIS AT FUTURE DATES.
4. TRENCHES UNDER PAVING SHALL BE BACKFILLED WITH CONTROLLED DENSITY BACKFILL. SEE DETAIL SHEET 4 OF 6
5. SEE SHEET 4 FOR JOINT TRENCH DETAIL.

**LEGEND:**

- INSTALL**
- 3 - 1/0 AL ENCAP IN APPLICANT'S 4" DUCT
  - 350 AL TRI. SECONDARY IN APPLICANT'S 3" DUCT
  - FUTURE 4/0 AL TRI SERVICE IN 3" DUCT
  - PADMOUNT TRANSFORMER SIZE AS SHOWN
  - 3' X 5' PRIMARY FULL TRAFFIC SPLICE BOX
  - 17' X 30' SECONDARY SPLICE BOX
- EXISTING**
- 3 - 1/0 AL CIC 12KV PRIMARY SECONDARY CABLE SIZE AS SHOWN
  - EXISTING PROPOSED SERVICE LOCATION
  - SUBSURFACE SWITCH
  - PADMOUNT TRANSFORMER
  - 30" X 48" SECONDARY SPLICE BOX
  - 24" X 36" SECONDARY SPLICE BOX
  - 17" X 30" SECONDARY SPLICE BOX



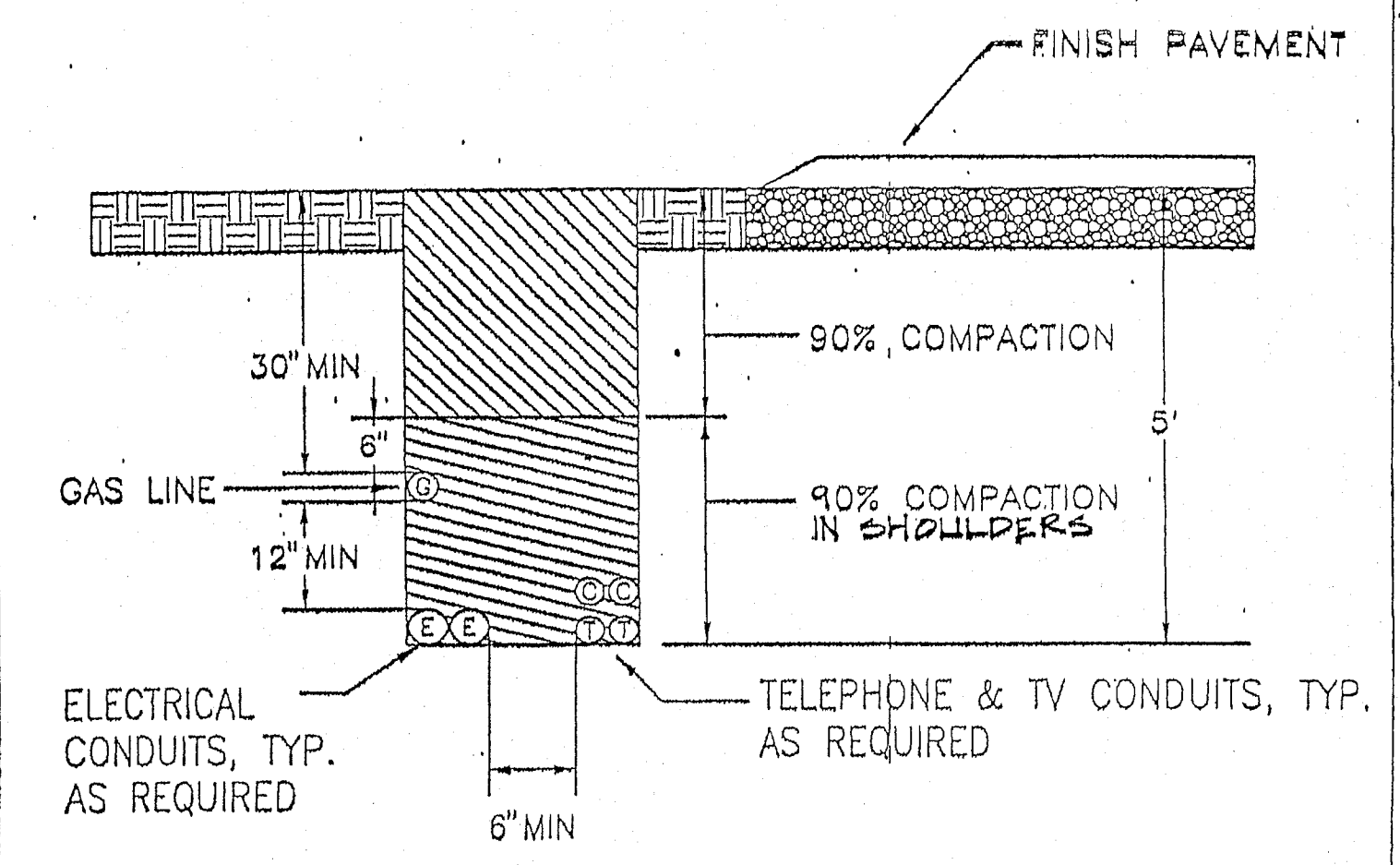
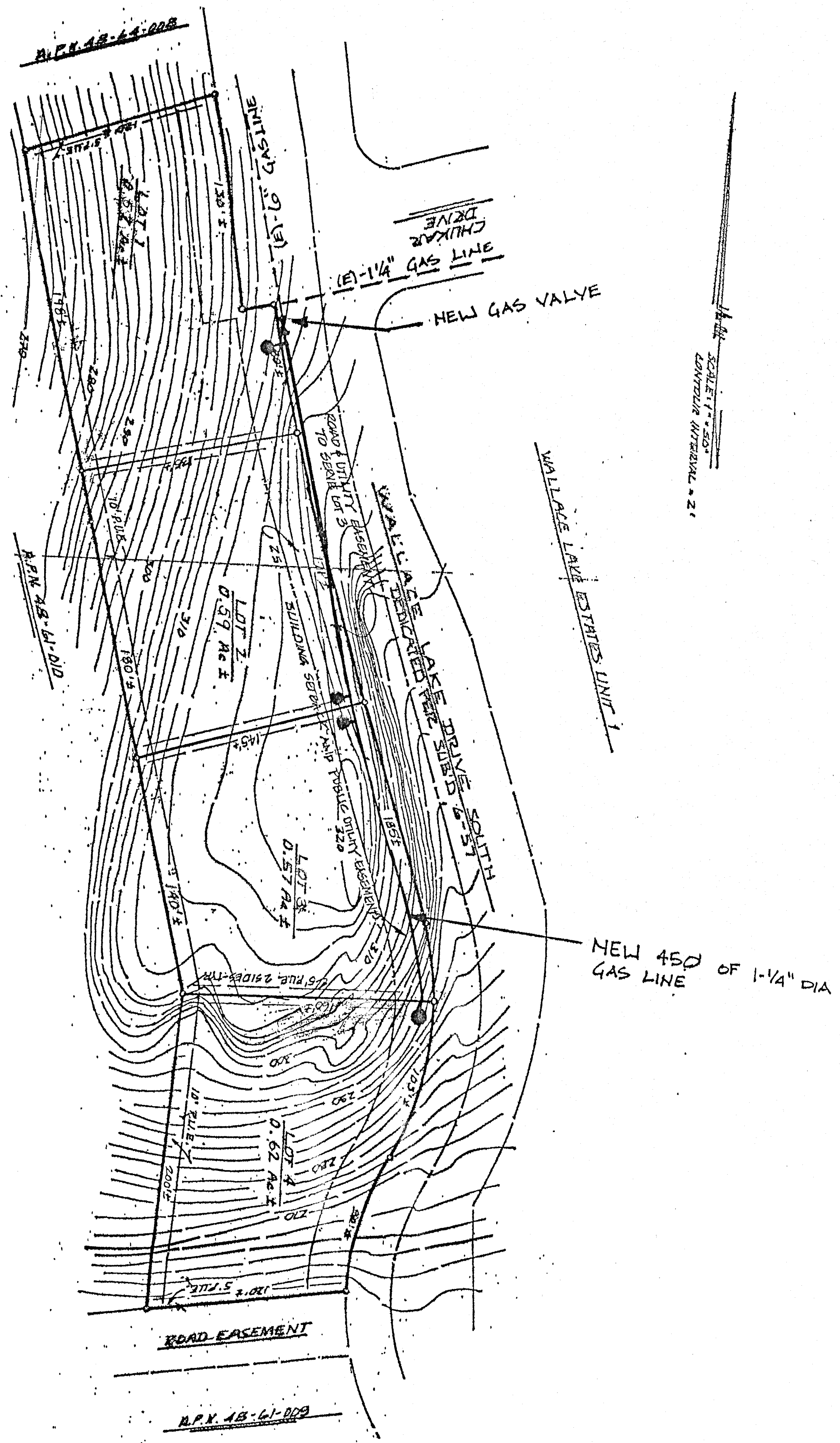
PROJECT AREA

REFER TO PG&E AS CONSTRUCTED PLANS

**AS CONSTRUCTED**

SHEET 5 OF 6  
9/21/03

CO: 603983	SD: 0755E0576	NOTICE: 100063307	OTHER: UFD INSTALLATION	SHEETS: 1 OF 7	REV: 30122200
ENGINEERING AND PLANNING DEPT. 1108 MURPHYS GARDE RD. ANGELS CAMP, CA 95222 PHONE #: PACIFIC GAS AND ELECTRIC COMPANY FAX #:					
EST: K.M.	DES: K.M.	SUPV: A.M.D.	REP: Jeff Blum	PLNR:	SCALE: 1"=100'
DATE: 01/25/00					
REVISIONS					
LAKERIDGE SUBDIVISION RICK MCGRAFF WILLET CT. & WALLACE LAKE DR. S.					

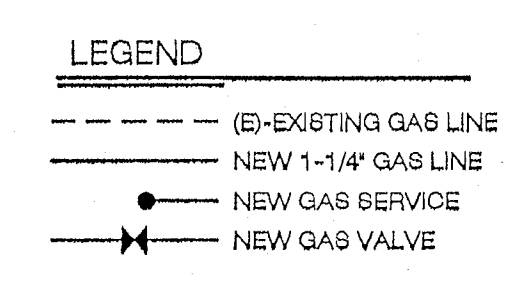


NOTES:  
JOINT TRENCH SHALL COMPLY WITH P G & E RULES

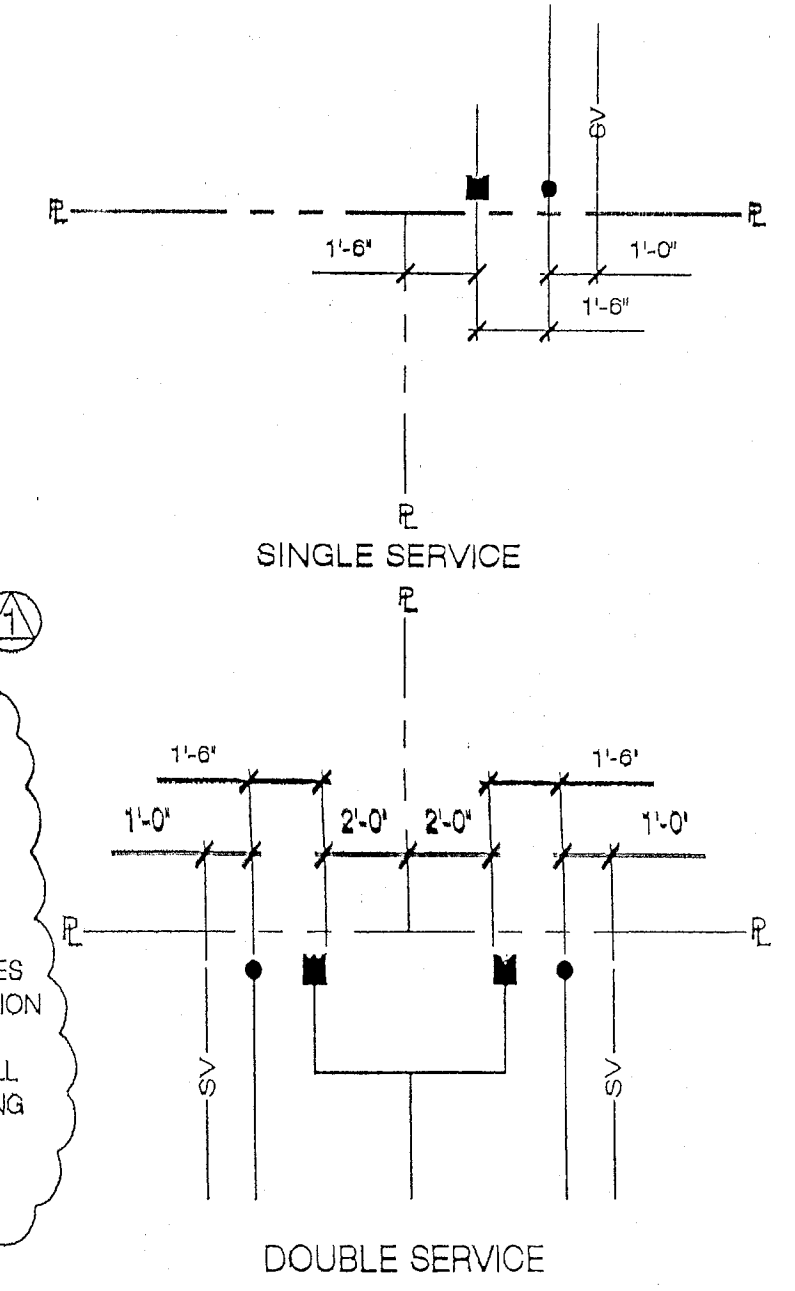
REVISION	DATE	WALLACE COMMUNITY SERVICES DISTRICT CALAVERAS COUNTY	APPROVED BY
		JOINT UTILITY TRENCH IN EASEMENT	WALLACE COMMUNITY SERVICES DISTRICT PRESIDENT NOVEMBER 2001
			IMPROVEMENT STANDARD NO. U-1

- PART 1 - GENERAL**  
1.01 STANDARDS  
A. Gas service shall conform to paragraphs 1-4, 6-10, & 12 of Section 2, Gas, of "Electric & Gas Service Requirments", by Pacific Gas & Electric Company, 1995.
- PART 2 - MATERIALS**  
2.01 POLYETHYLENE PLASTIC PIPE  
A. Polyethylene plastic pipe shall meet the requirement of ASTM D2513, "Standard Specification for Thermoplastic Gas Pressure Pipe, Tubing and Fittings."  
B. Polyethylene plastic pipe shall have a maximum SDR (ratio of pipe diameter to wall thickness) equal to 11.5, and standard pipe lengths equal to 40 feet. Working pressure shall be 100 psig.
- 2.02 SOCKET FITTINGS  
A. Socket fittings shall conform to ASTM D2883.
- 2.03 BUTT-FUSION FITTINGS  
A. Butt-fusion fittings shall conform to ASTM D2513, molded.
- 2.04 RISER  
A. Riser shall consist of a manufacturer's standard transition fitting, transition from plastic to 7 mil to 12 mil thick epoxy-coated steel pipe and swaged gas-tight with O-ring seals and metal insert. Provide manufacturer's standard protection sleeve and riser supports as required.
- 2.05 GAS PRESSURE REDUCING VALVES  
A. Gas pressure reducing valves shall be sized for load and inlet conditions and shall be provided with low pressure cut-off and internal over pressure relief. Where meter is inside buildings, pipe relief discharge to outside of building. Gas pressure reducing valves shall conform to P.G. & E requirements and shall be Rockwell, Fischer, or equal.
- 2.06 GAS METER  
A. Gas meter shall be a pedestal mounted, diaphragm, bellows, or turbine style, as required, sized for load and inlet conditions. Gas meter shall have aluminum or enamel coated steel case with resettable counter. Furnish combined register totalizer with escape hole in housing, and means for sealing against tampering. Gas meter shall conform to P.G. & E requirements and shall be Rockwell, Fischer, or equal.
- 2.07 VALVE BOXES  
A. Valve boxes shall be manufactured of a high density reinforced concrete with a minimum compressive strength of 4000 PSI. Boxes shall have a belled top or flared shoulders to prevent settling and an integral cast iron seat of the rattle proof design and a cast iron lid. The box and lid shall be H-20 rated.  
B. Valve box lids shall be manufactured of cast iron with machined seating surfaces. Lids shall be provided with cast-in markings indicating "Gas". Lids with welded markings will not be acceptable.  
C. Extensions shall be as manufactured for the box or 8" Class 100 PVC pipe. Grade rings for adjusting the box shall be as manufactured for the box.  
D. The valve box shall be Christy GS; Brooks; or equal.
- 2.08 LOCATOR WIRE  
A. Locator Wire shall be #12 UF conforming to NEMA standards and NEC Article 339 for direct burial. Splicing of wire shall be made with a water proof epoxy splice kit.
- 2.09 MISCELLANEOUS MATERIALS  
A. Any incidental material or equipment not mentioned in these specifications or shown on the plans which may be necessary for completion and successful operation of the gas service system, or required by the Utility Company, shall be furnished and installed as though shown or provided for.

- CONSTRUCTION NOTES**  
**PART 2 - MATERIALS**  
2.01 PVC SEWER PIPE  
A. Sewer pipe used for gray water from septic tank systems shall be Schedule 40 polyvinyl chloride pipe for solvent weld applications.  
B. Fittings shall be schedule 40 PVC.  
C. Solvent weld cleaner and glue shall be as approved by the pipe manufacturer.
- PART 3 - CONSTRUCTION**  
3.01 MAIN LINES  
A. Grey water sewer main lines shall be installed on a uniform slope without deviation from the grade line. Lines shall be sloped to achieve a minimum velocity of 2 feet per second.  
3.02 LATERALS  
A. Laterals between septic tank and the main line shall be installed at a uniform slope not less than 2%.
- Trenches under paving shall be backfilled with controlled density backfill, see Detail Sheet 4 of 6.



- NOTES:**
- GAS LINE SHALL BE IN JOINT UTILITY TRENCH. SEE DETAIL ON SHEET 4.
  - DETAILS REFER TO P.G.&E. DRAWINGS 0731E16536 (3 SHEETS) FOR WALLACE ESTATES UNIT 1.
  - A REPRESENTATIVE FROM CAMPORA PROPANE SERVICE SHALL INSPECT ALL GAS SERVICE LINES AND TRANSMISSION LINES PRIOR TO CONNECTION TO EXISTING MAIN AND PRIOR TO BACKFILLING TRENCHES. CAMPORA PROPANE SERVICE SHALL BE RESPONSIBLE FOR SHUTTING DOWN EXISTING MAIN GAS LINES. CONTRACTOR TO CONTACT DAVE LIGON AT CAMPORA PROPANE SERVICE (209-736-0449) AT LEAST 48 HOURS PRIOR TO START OF GAS LINE CONSTRUCTION.



**APPROVALS**

THIS DRAWING IS NOT FINAL AND IS NOT TO BE USED FOR CONSTRUCTION UNTIL STAMPED AND WET-SIGNED BY THE PROJECT ENGINEER.

Construction contractor agrees that in accordance with generally accepted construction practices, construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property; that this requirement shall be made to apply continuously and not be limited to normal working hours, and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of design professional.

MARK	DATE	DESCRIPTION	BY
(A)	08/2006	PLAN CHECK	JL
(B)	01/2007	PLAN CHECK	JL

**REVISIONS**

**CLIENT:**  
**MAILING ADDRESS:**  
STERLING BUILDERS  
JOHN BOYD  
39 CALIFORNIA AVE. SUITE 205A  
PLEASANTON, CA. 94566  
(925) 846-9133

**IMPROVEMENT PLANS FOR:**  
**LAKERIDGE UNIT 1B**  
**A PORTION OF**  
**WALLACE LAKE ESTATES**  
WALLACE LAKE ESTATES, UNIT 1, TRACT 434  
WALLACE - CALIFORNIA

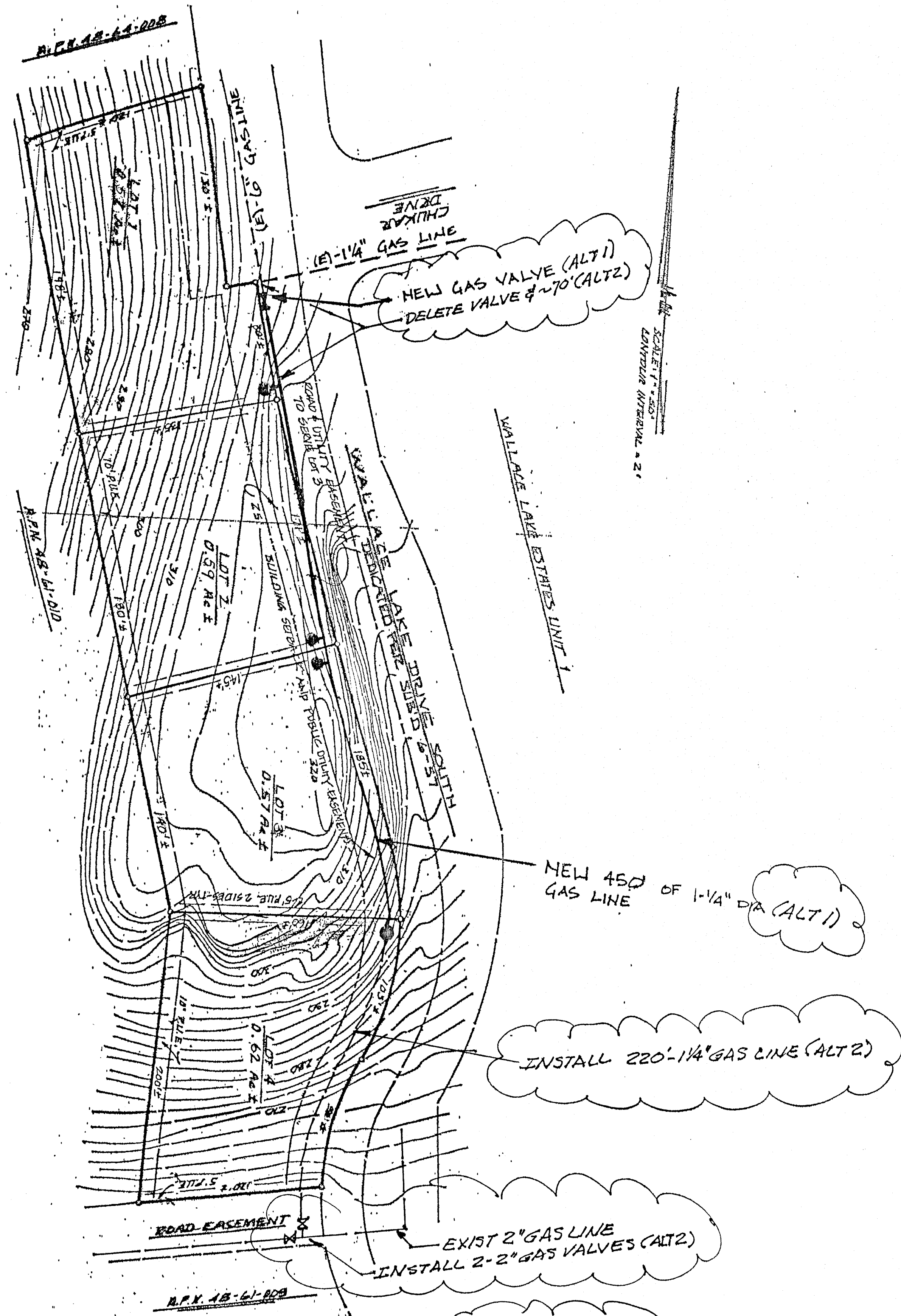
WEATHERBY REYNOLDS FRITSON

(209)-223-0381 [Voice]  
(209)-223-0716 [Fax]  
216 Peak Street  
Jackson, CA 95642  
http://www.wrfed.com

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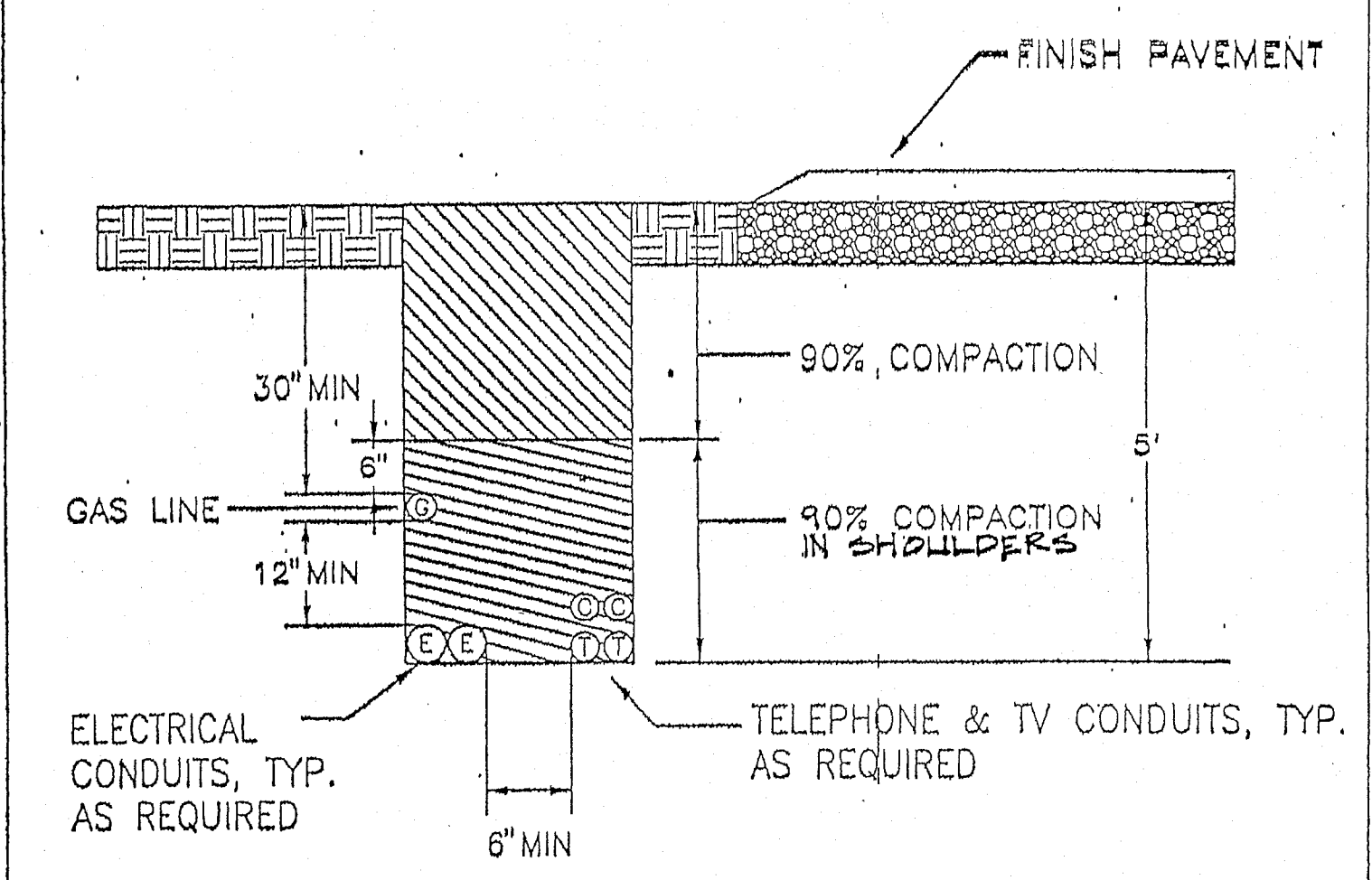
**DRAWINGS**  
GAS LINE  
IMPROVEMENT  
PLAN AND NOTES

FILE NO. D-9598  
DRAWN BY JL  
DATE 05-2006  
SCALE AS NOTED  
SHEET 4  
4 OF 6 SHEETS



ALT 1 INCLUDES  
 1- 2" VALVE  
 450'- 1 1/4" GAS LINE  
 4- SERVICES

ALT 2 INCLUDES  
 2- 2" VALVES  
 600'- 1 1/4" GAS LINE  
 4- SERVICES

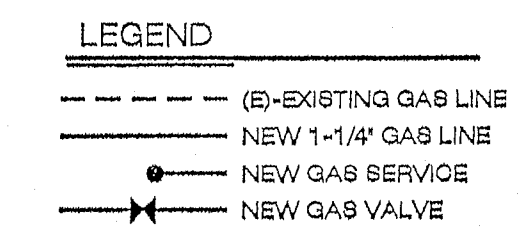


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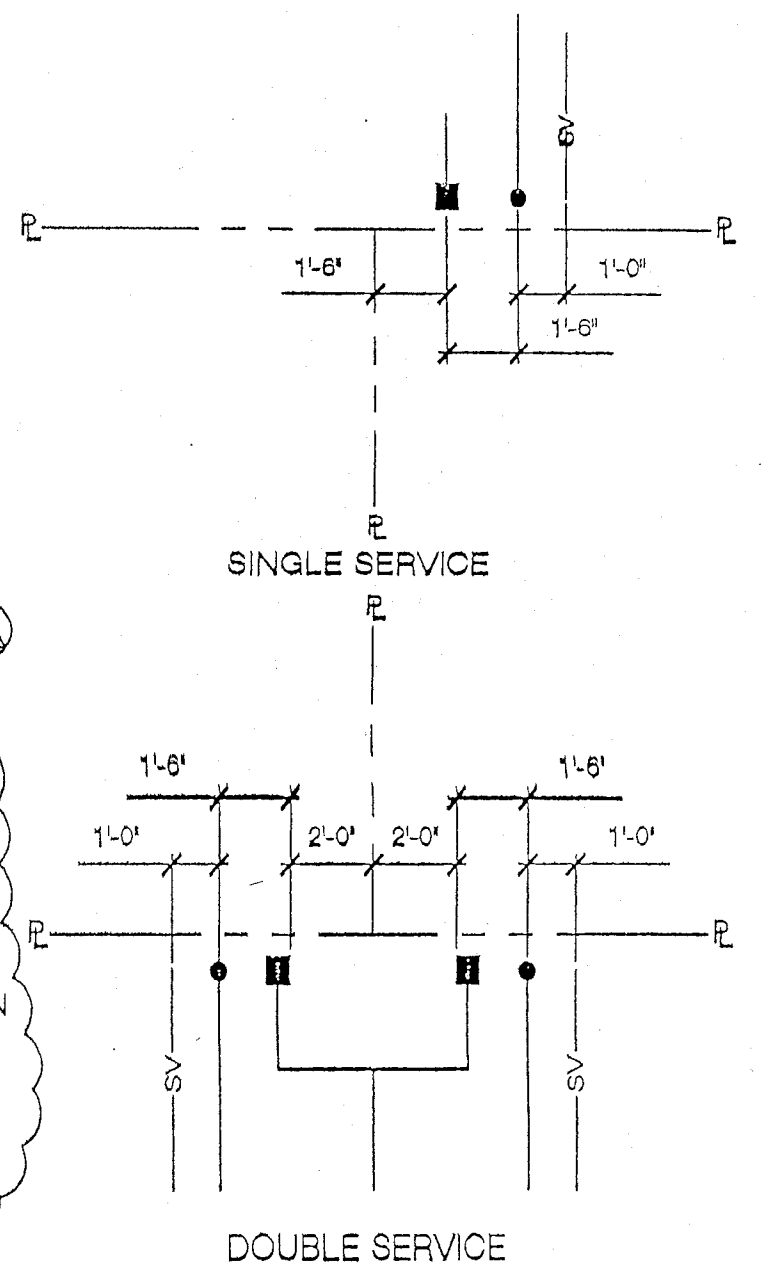
REVISION	DATE	WALLACE COMMUNITY SERVICES DISTRICT CALAVERAS COUNTY	APPROVED BY
		JOINT UTILITY TRENCH IN EASEMENT	WALLACE COMMUNITY SERVICES DISTRICT PRESIDENT NOVEMBER 2001
			IMPROVEMENT STANDARD NO. U-1

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BY: JL

DESCRIPTION: PLAN CHECK

DATE: 08/20/06

MARK: 1

REVISIONS

CLIENT: IMPROVEMENT PLANS FOR: LAKERIDGE UNIT 1B A PORTION OF WALLACE LAKE ESTATES WALLACE LAKE ESTATES, UNIT 1, TRACT 434 WALLACE - CALIFORNIA

MAILING ADDRESS: STERLING BUILDERS JOHN BOYD 39 CALIFORNIA AVE. SUITE 205A PLEASANTON, CA. 94566 (925) 846-9133

WEATHERBY REYNOLDS FRITSON ENGINEERING AND DESIGN REGISTERED PROFESSIONAL ENGINEER LICENSE NO. 14774 LIC. EXP. 03/31/07 CIVIL STATE OF CALIFORNIA

(209) 223-0381 (Voice) (209) 223-0716 (Fax) 266 Peck Street Jackson, CA 95642 http://www.wrted.com

THESE DRAWINGS AND THE CONCEPTS EMBODIED THEREIN ARE THE ORIGINAL UNPUBLISHED WORK OF WRTED ENGINEERING AND DESIGN AND SHALL NOT BE USED OR REPRODUCED WITHOUT THE WRITTEN AGREEMENT OF TERRY WEATHERBY, GRANT REYNOLDS, OR KEVIN FRITSON.

DRAWINGS: GAS LINE IMPROVEMENT PLAN AND NOTES

FILE NO.: D-5598

DRAWN BY: JL

DATE: 05-2006

SCALE: AS NOTED

SHEET: 4 OF 6 SHEETS