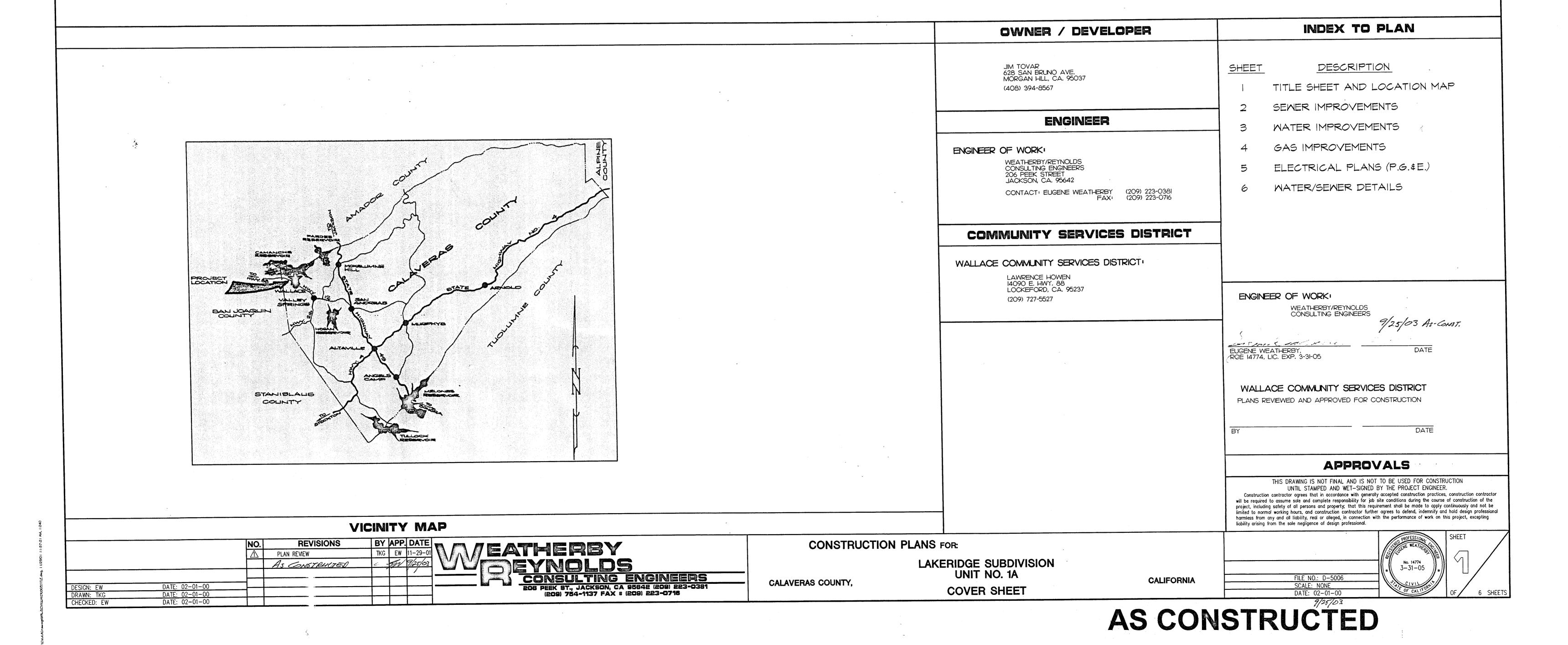
CONSTRUCTION PLANS

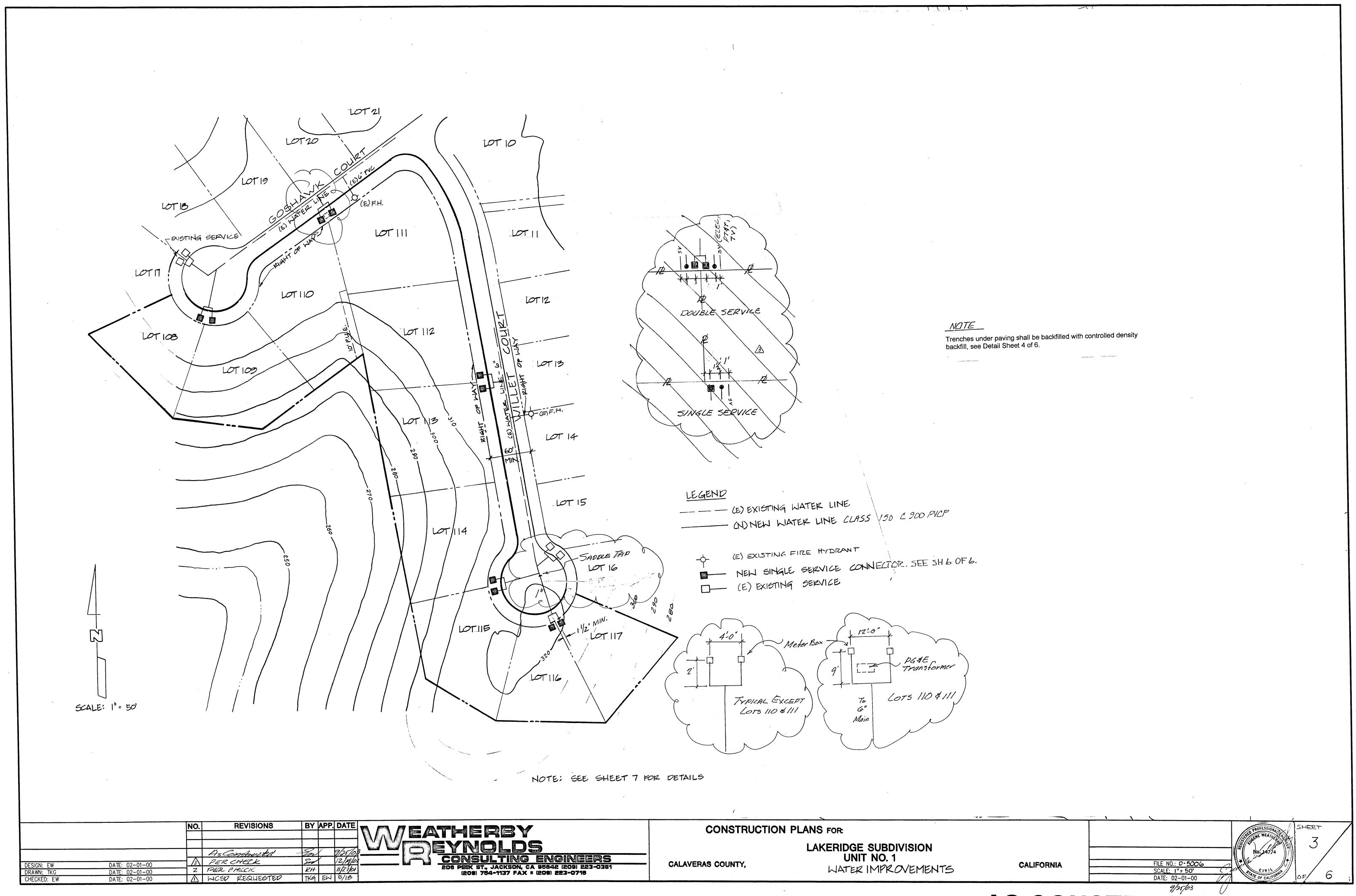
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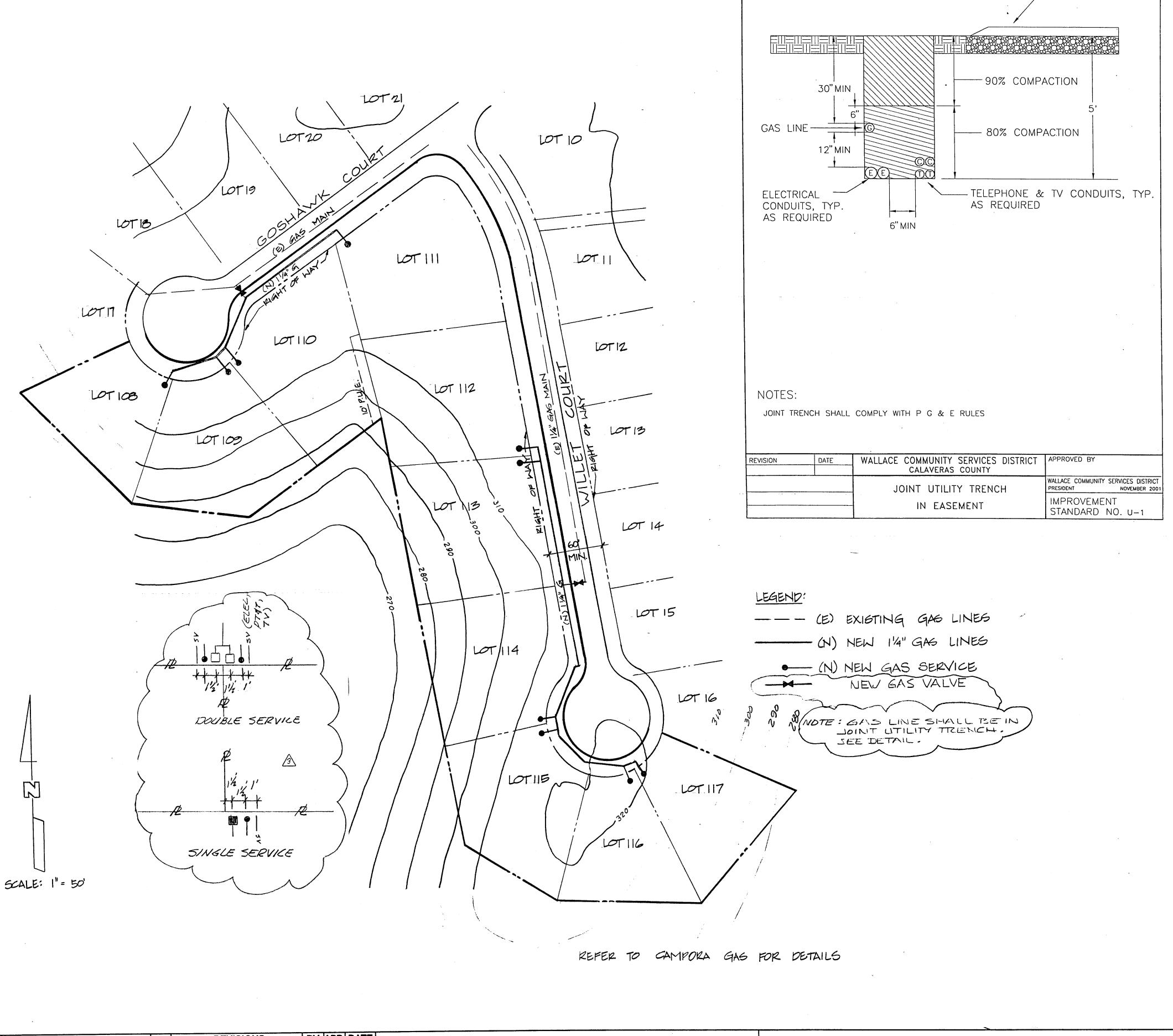
LAKERIDGE SUBDIVISION UNIT NO. 1A

IMPROVEMENTS



WALLACE COMMUNITY SERVICES DISTRICT **RECORD DRAWINGS** INSPECTION BY DISTRICT **GENERAL NOTES FOR IMPROVEMENT PLANS** 1) All work is subject to observation and inspection by the Wallace 1) The Contractor shall maintain a neatly marked set of full-sized record The following "General Notes" represent the minimum general notes which drawings showing the final location and layout of all improvements Community Services District. are required on Subdivision Improvement Plans. Additional notes may be installed. The As Built drawings shall include, but not be limited to, required by the District or added by the Engineer of Work to more fully explain 2) The Contractor shall notify the Wallace Community Services, PG&E, grading; underground facilities; curb, gutter, and sidewalk; mechanical; the intent of the Drawings and the work contemplated. street lighting; electrical and instrumentation equipment. The As-Built Pacific Telephone, Cable TV, Campora Gas, and other appropriate agencies a minimum of forty-eight (48) hours in advance of drawings shall reflect all changes in the work which deviate from the **GENERAL NOTES** commencing any work within their right-of-way. information shown on the drawings. Where necessary to depict the changed conditions, the Contractor shall prepare supplemental DEFINITIONS 3) Notify the District at (209) 727-5527, a minimum of forty-eight (48) drawings. hours in advance of commencing any work within the District right-of-Contractor - The contractor or sub-contractor engaged in the performance of the GRADING work depicted on these plans. District - The Wallace Community Services District. 4) The Contractor shall perform testing of all compacted areas in 1) Earthwork shall be performed in accordance with the Standards of the District Engineer - Siegfried Engineering, Inc., Engineers for the District. accordance with Wallace Community Services District Improvement Wallace Community Services District, and a soils report prepared by LOT20 LOT 10 Engineer of Work - The consulting civil engineer whose signature these plans the Owner's Soils Engineer is on file with the Engineer of Work and the District Engineer. <u>SAFETY</u> CONTRACTOR QUALIFICATIONS 2) All areas shall be tested as required by the Wallace Community 1) The Contractor shall exercise caution and shall carefully preserve all Services District, and shall be paid for by the Contractor. 1) All contractors and sub-contractors performing work within the public bench marks, survey monuments, etc., and shall bear all costs for the right-of-way shall be licensed in the State of California under the SANITARY SEWERS AND STORM DRAINS replacement of same if damaged or destroyed. provisions of Chapter 9, Division 3, of the Business and Professions LOTIB Code, and shall be bondable for an amount equal to or greater than 1) All sanitary sewer and storm drain materials and construction shall 2) The Contractor shall be responsible for public safety and shall provide the amount of the work they are to perform. conform to the Wallace Community Services District Improvement all barricades, signs, lights, and flagmen necessary or required. Standards. 2) Contractors and subcontractors shall be skilled and regularly engaged 3) The Contractor shall preserve the integrity and location of all work 11170 LOT in the general class of work they are to perform. within the public right-of-way, and provide all necessary construction 2) All pipe shall be laid to conform to the lines and grades prescribed on 0,370 Act the drawings using a laser leveling device. traffic control. **DISCREPANCIES** 3) All gravity piping will be subject to pressure testing, and video **EXISTING UTILITIES** examination in accordance with the Wallace Community Services 1) The contractor shall notify the Engineer of Work immediately regarding LOTI District Improvements Standards. any discrepancies or ambiguities, which may exist in the plans or 1) Prior to commencing work, the Contractor shall have each utility 138.00 specifications. company locate, in the field, their main and service lines. The 4) The minimum cover on sanitary sewer and storm drain lines in 36". LOT 110 0.447 AC ± contractor shall notify the members of Underground Service Alert IMPROVEMENT STANDARDS (USA) forty-eight (48) hours in advance of performing any ATER SYSTEM underground excavation by calling the toll-free number (800) 227-1) All improvements within the public right of way shall be constructed in 2600. The Contractor shall record the USA order number and furnish 1) All water system materials and construction shall conform to the accordance with the Wallace Community Services District Improvethe order number to the Engineer of Work and District Engineer prior Wallace Community Services District Improvement Standards ment Standards. to any excavation. LOTIOS 0,388AC+ 2) All pipe shall be installed to conform to the lines and grades prescribed 0.399 AC ± PERMITS 2) It shall be the Contractor's responsibility to expose all existing on the drawings. underground utilities related to the project, including, but not limited to, 1) The Contractor shall be responsible for obtaining all permits and sewer, storm drain, water, irrigation, gas, electrical, street lighting, etc., 3) The water system shall be subject to pressure testing and licenses for the construction and completion of the work. and shall notify the Engineer of Work forty-eight (48) hours in advance bacteriological testing in accordance with the Wallace Community 0,344 Act of exposing the utilities. If the location and/or elevation differs from Services District Improvement Standards. that shown on the plans, the Engineer of Work shall be so notified and 2) The Contractor shall apply for an encroachment permit from the provisions to accommodate new location or elevation shall be made Wallace Community Services District for all work within the right-of-4) The minimum cover on water lines in 36". prior to proceeding with construction. **ELECTRICAL** RESPONSIBILITY FOR WORK 0,388 AC# 1) Prior to final acceptance of the improvements described in these 1) The Contractor shall assume the sole and complete responsibility for drawings and specifications, the Contractor shall coordinate the the job site conditions during the course of construction of this work, energizing of all gas, electrical, and street lighting systems with the including safety of all persons and property. This requirement shall District, PG&E, and Campora Gas. apply continuously and shall not be limited to normal working hours. The Contractor shall defend, indemnify, and hold harmless, the Wallace Community Services District, its employees and agents, from any and all liability, real or alleged, in conjunction with the 1) All underground utilities shall be installed, tested, in operating condition performance of the work. prior to installation of curb, gutter, sidewalk, and paving. LOT 15 RESPONSIBILITY FOR DAMAGE 2) All maintenance holes, lamp holes, cleanouts, water valve boxes, monument boxes, etc. shall be installed and adjusted to grade after 1) The Contractor shall be responsible for protecting existing street paving has been completed. ID'SEWEX improvements from damage. The cost of repairing or replacing LOT existing improvements damaged shall be borne by the Contractor. 3) After completion of all work within paved street sections, the street 0.3 59 Act shall be slurry sealed. 2) Whenever existing facilities are damaged, broken and/or cut in the performance of the work, said facilities shall be replaced at the **CLEAN-UP** Contractor's expense. Repair of facilities shall conform to current District Standards and shall be subject to the observation and 1) The Contractor shall be responsible for controlling dust from his approval of the District Engineer. operations at all times. Dust control shall conform to Cal-Trans Standards. **EXCAVATIONS** SEESH & OF B 2) Prior to final acceptance by the District, the Contractor shall leave the Existing 3" Sewer Mails site, including lots and improvements within the right-of way, in a neat, 1) The Contractor's attention is called to Title 8 California Administrative -ALL LATERILS TO ZA & 3" Wye tie in to now clean condition free, from construction materials, debris, trash, etc. 2" DV11/1 WITH 2 % SLATE Code. Section 1540(A)(1) of the construction safety orders issued by system. Field excavation the Occupational Safety and Health Standards Board pursuant to the LOTIE MINVINGLIMA. **END OF GENERAL NOTES** California Occupations Safety ad Health Act of 1973 which states: uncovered 3"main 10.320 Act/ LOT 117 6.273 ACE "(1)Prior to opening and excavation, effort shall be made to determine whether underground installations; i.e. sewer, water, fuel, electric lines, etc., will be encountered and if so, where such underground installations are located. When the - NEW Z" PV.C. SERVICE. SEE SH excavation approaches the approximate location of such installation, the exact location shall be determined by careful - (N) NEW PUC LINE probing and or hand digging; and when it is uncovered, adequate protection shall be provided for the existing ___ (E) EXIGT SEWER LINE-LOCATE SCALE: 1" = 50' installation. All known owners of underground facilities in the IN FIELD PRIOR TO START OF WORK area concerned shall be advised of the proposed work at least forty-eight (48) hours prior to the start of actual excavations." BOO -- NEW ELDW-OFF ASSEMBLY 2) Excavations of 5 feet or more in depth require an excavation permit from the State of California Department of Industrial Safety. The CONNECTION TO EXISTING Contractor shall comply with Section 5-1.02a of the Cal Trans MAIN TO BE LOCATED Standards and, Chapter 9 of the State of California Labor Code. IN THE FIELD. SEESH 6 OF 6. NOTE: SEE SHEET 6 FOR DETAILS 3) The Contractor shall provide all shoring, bracing, sloping, or other TO TREATMENT PLANT provisions necessary to protect workmen for all areas to be excavated to a depth of 5' or more. **REVISIONS** BY APP. DATE **CONSTRUCTION PLANS FOR:** LAKERIDGE SUBDIVISION E2 AS GNSTANCIED UNIT NO. 1 CONSULTING ENGINEERS EZU 12/19/ 13 PER CITER FILE NO.: *D-5006*SCALE: 1"= 50' DATE: 02-01-00 CALAVERAS COUNTY, **CALIFORNIA** DATE: 02-01-00 DESIGN: EW SEWER IMPROVEMENTS 206 PEEK ST., JACKSON, CA 95842 (209) 223-0381 ZH. 2 PLI CHETK 11/27/01 DATE: 02-01-00 DRAWN: TKG (209) 754-1137 FAX # (209) 223-0718 A WOSD REQUESTED TKG EW 5/18 CHECKED: EW DATE: 02-01-00





PART 1 - GENERAL

- FINISH PAVEMENT

1.01 STANDARDS

A. Gas service shall conmform to paragraphs 1-4, 6-10, & 12 of Section 2, Gas, of "Electric & Gas Service Reauiremtns", 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 D2683.

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 0-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 G5; 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.

(REPER TO CAMPORA GAS AS GNSTRUCTED PLANS)

CONSTRUCTION PLANS FOR:

CALAVERAS COUNTY,

LAKERIDGE SUBDIVISION
UNIT NO. 1
GAS IMPROVEMENTS

CALIFORNIA

FILE NO.: D-5006

SCALE: 1"= 50'

DATE: 02-01-00

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