

IMPROVEMENT PLANS

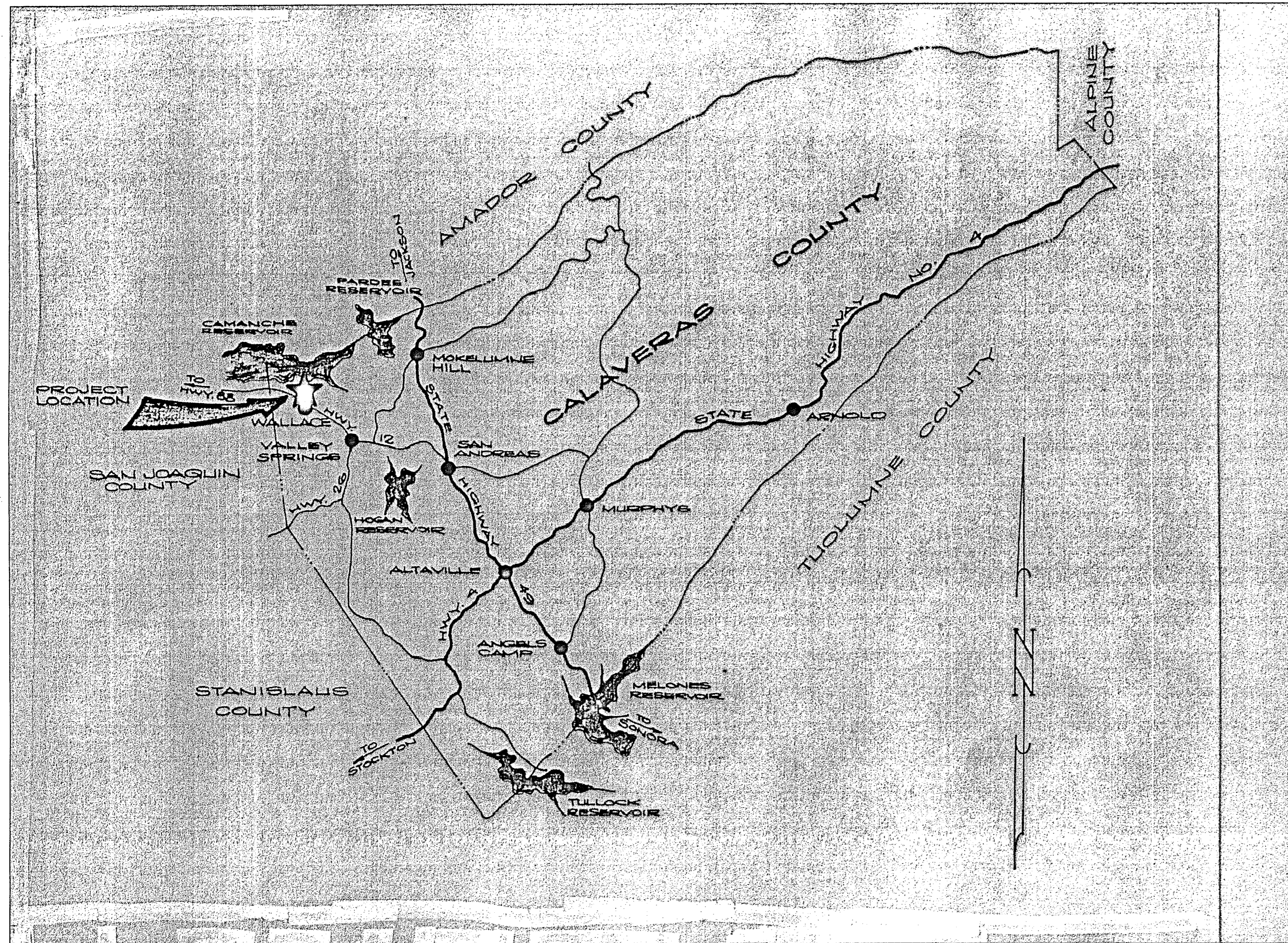
FOR

LAKERIDGE UNIT 1B A PORTION OF PARCEL "A" OF WALLACE LAKE ESTATES, UNIT 1, TRACT 434

MARK	DATE	DESCRIPTION	BY
①	06/2006	PLAN CHECK	JL
②	01/2007	PLAN CHECK	JL

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



OWNER / DEVELOPER	INDEX TO PLAN
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JOHN BOYD STERLING BUILDERS 39 CALIFORNIA AVE. SUITE 205A PLEASANTON, CA. 94566 PHONE: (925) 846-9433 FAX: (925) 846-9434	<table border="1"> <thead> <tr> <th>SHEET NO.</th> <th>CONTENTS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>TITLE SHEET, SHEET INDEX, VICINITY MAP</td> </tr> <tr> <td>2</td> <td>SEWER IMPROVEMENT PLAN</td> </tr> <tr> <td>3</td> <td>WATER IMPROVEMENT PLAN</td> </tr> <tr> <td>4</td> <td>GAS IMPROVEMENT PLAN</td> </tr> <tr> <td>5</td> <td>ELECTRICAL PLANS (P.G. & E.)</td> </tr> <tr> <td>6</td> <td>WATER AND SEWER DETAILS</td> </tr> </tbody> </table>	SHEET NO.	CONTENTS	1	TITLE SHEET, SHEET INDEX, VICINITY MAP	2	SEWER IMPROVEMENT PLAN	3	WATER IMPROVEMENT PLAN	4	GAS IMPROVEMENT PLAN	5	ELECTRICAL PLANS (P.G. & E.)	6	WATER AND SEWER DETAILS
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6	WATER AND SEWER DETAILS														

ENGINEER	ENGINEER OF WORK:
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GENE WEATHERBY WEATHERBY-REYNOLDS-FRITSON ENGINEERING AND DESIGN 206 PEEK STREET JACKSON, CA. 95642 PHONE: (209) 223-0381 FAX: (209) 223-0716	WALLACE COMMUNITY SERVICE DISTRICT P.O. BOX 398 WALLACE, CA. 95254 DISTRICT ENGINEER: GARY GHIO WEBER, GHIO AND ASSOCIATES P.O. BOX 251 SAN ANDREAS, CA. 95249 PHONE: (209) 754-1824 FAX: (209) 754-1092
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COMMUNITY SERVICE DISTRICT	ENGINEER OF WORK:
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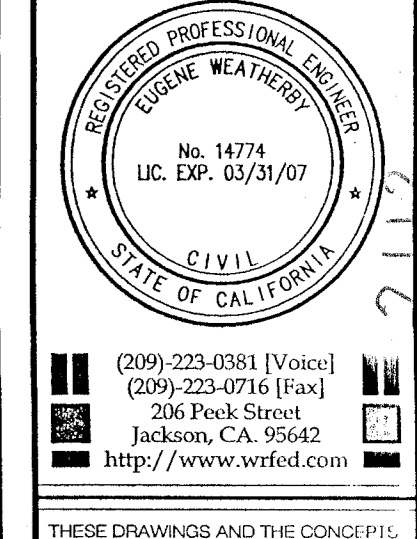
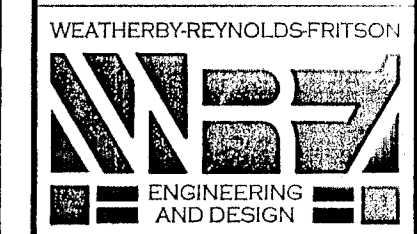
WALLACE COMMUNITY SERVICE DISTRICT P.O. BOX 398 WALLACE, CA. 95254 DISTRICT ENGINEER: GARY GHIO WEBER, GHIO AND ASSOCIATES P.O. BOX 251 SAN ANDREAS, CA. 95249 PHONE: (209) 754-1824 FAX: (209) 754-1092	<div style="text-align: right;"> WEATHERBY-REYNOLDS-FRITSON ENGINEERING AND DESIGN EUGENE WEATHERBY R.C.E. 47760 </div> <div style="text-align: right;"> 2/5/07 DATE CIVIL STATE OF CALIFORNIA </div> <div style="text-align: right;"> GARY GHIO DISTRICT ENGINEER </div> <div style="text-align: right;"> 2/22/07 DATE CIVIL STATE OF CALIFORNIA </div>
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APPROVALS

<div style="text-align: right;"> DAVE LIGON CAMPORA PROPANE SERVICE </div> <div style="text-align: right;"> 2-21-07 DATE </div>	<div style="text-align: right;"> GARY GHIO DISTRICT ENGINEER </div> <div style="text-align: right;"> 2/22/07 DATE </div>
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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.

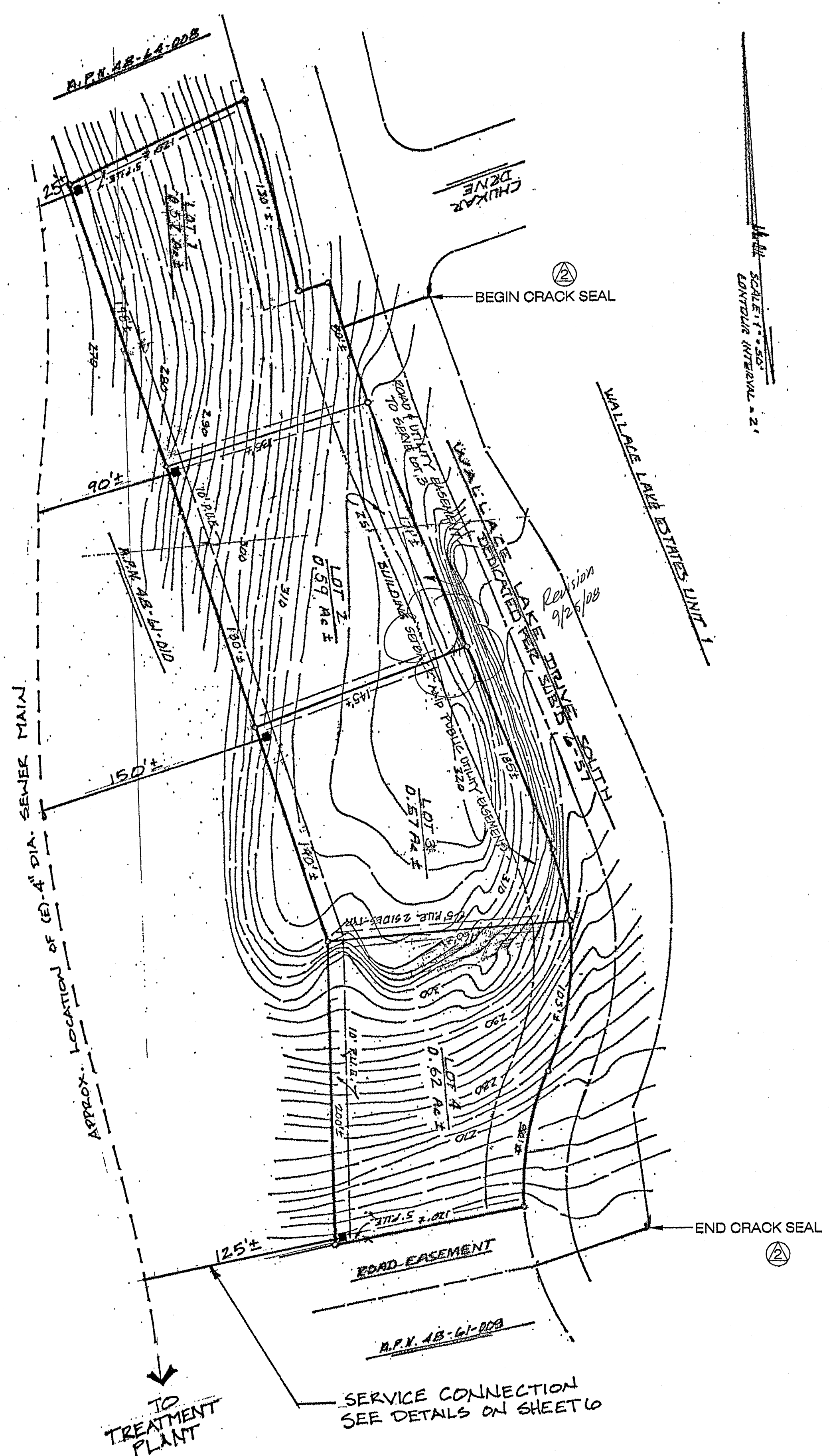


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DRAWINGS

TITLE SHEET,
 SHEET INDEX,
 AND VICINITY MAP

FILE NO. D-5598
 DRAWN BY JL
 DATE 05-2006
 SCALE AS NOTED
 SHEET ②



NOTE:
LOT DRAINAGE TO BE ACCOMPLISHED BY GRADING LOTS TO DRAIN FROM FRONT (ROADWAY SIDE) TO BACK (OPEN SPACE)

**WALLACE COMMUNITY SERVICES DISTRICT
GENERAL NOTES FOR IMPROVEMENT PLANS**

The following "General Notes" represent the minimum which are required on Subdivision Improvement Plans. Additional notes may be required by the District or added by the Engineer of Work to more fully explain the intent of the Drawings and the work contemplated.

GENERAL NOTES

DEFINITIONS
Contractor - the contractor or sub-contractor engaged in the performance of the work depicted on these plans.
District - The Wallace Community Services District.
District Engineer - Weber-Ghio Associates
Engineer of Work - The consulting civil engineer whose signature these plans bear.

CONTRACTOR QUALIFICATIONS

- 1) All contractors and sub-contractors performing work within the public right-of-way shall be licensed in the State of California under the provisions of Chapter 9, Division 3, of the Business and Professions Code, and shall be bondable for an amount equal to or greater than the amount of the work they are to perform.
- 2) Contractors and sub-contractors shall be skilled and regularly engaged in the general class of work they are to perform.

DISCREPANCIES

- 1) The contractor shall notify the Engineer of Work immediately regarding any discrepancies or ambiguities, which may exist in the plans or specifications.

IMPROVEMENT STANDARDS

- 1) All improvements within the public right-of-way shall be constructed in accordance with the 2004 Wallace Community Services District Improvement Standards.

PERMITS

- 1) The Contractor shall be responsible for obtaining all permits and licenses for the construction and completion of the work.
- 2) The Contractor shall apply for an encroachment permit from the Wallace Community Services District for all work within the right-of-way.

INSPECTION BY DISTRICT

- 1) All work is subject to observation and inspection by the Wallace Community Services District.
- 2) The Contractor shall notify the Wallace Community Services, PG&E, Telephone, Cable TV, Campora Gas, and other appropriate agencies a minimum of forty-eight (48) hours in advance of commencing any work with their right-of-way.
- 3) Notify the District Engineer at (209) 754-1824, a minimum of forty-eight (48) hours in advance of commencing any work within the District right-of-way.
- 4) The Contractor shall perform testing of all compacted areas in accordance with Wallace Community Services District Improvement Standards.

SAFETY

- 1) The Contractor shall exercise caution and shall carefully preserve all benchmarks, survey monuments, etc., and shall bear all costs for the replacement of same if damaged or destroyed.
- 2) The Contractor shall be responsible for public safety and shall provide all barricades, signs, lights, and flagmen necessary or required.
- 3) The Contractor shall preserve the integrity and location of all work within the public right-of-way, and provide all necessary construction traffic control.

EXISTING UTILITIES

- 1) Prior to commencing work, the Contractor shall have each utility company locate, in the field, their main and service lines. The Contractor shall notify the members of Underground Service Alert (USA) forty-eight (48) hours in advance of performing any underground excavation by calling the toll-free number (800) 227-2600. The Contractor shall record the USA order number and furnish the order number to the Engineer of Work and District Engineer prior to any excavation.
- 2) It shall be the Contractor's responsibility to expose all existing underground utilities related to the project, including, but not limited to sewer, storm drain, water irrigation, gas, electrical, street lighting, etc., and shall notify the District Engineer forty-eight (48) hours in advance of exposing the utilities. If the location and/or elevation differs from that shown on the plans, the District Engineer shall be so notified and provisions to accommodate new location or elevation shall be made prior to proceeding with construction.

RESPONSIBILITY FOR WORK

- 1) The Contractor shall be responsible for protecting existing improvements from damage. The cost of repairing or replacing existing improvements damaged shall be borne by the Contractor.
- 2) Whenever existing facilities are damaged, broken and/or cut in the performance of the work, said facilities shall be replaced at the Contractor's expense. Repair of facilities shall conform to current District Standards and shall be subject to the observation and approval of the District Engineer.

EXCAVATIONS

- 1) The Contractor's attention is called to Title 8 California Administrative Code, Section 1540(A)(1) of the construction safety orders issued by the Occupational Safety and Health Standards Board pursuant to the California Occupations Safety and Health Act of 1973 which states:
"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 excavation approaches the approximate location of such installation, the exact location shall be determined by careful probing and or hand digging; and when it is uncovered, adequate protection shall be provided for the existing installation. All known owners of underground facilities in the area concerned shall be advised of the proposed work at least forty-eight (48) hours prior to the start of actual excavations."
Excavations of 5 feet or more in depth require an excavation permit from the State of California Department of Industrial Safety. The Contractor shall comply with Section 5-1.02a of the Cal Trans Standards and, Chapter 9 of the State of California Labor Code.
- 2) The Contractor shall provide all shoring, bracing, sloping, or other provisions necessary to protect workmen for all areas to be excavated to a depth of 5 feet or more.

RECORD DRAWINGS

- 1) The Contractor shall maintain a neatly marked set of full-sized record drawings showing the final location and layout of all improvements installed. The As-Built drawings shall include, but not be limited to grading; underground facilities; curb, gutter, and sidewalk; mechanical; street lighting; electrical and instrumentation equipment. The As-Built drawings shall reflect all changes in the work which deviate from the information shown on the drawings. Where necessary to depict the changed conditions, the Contractor shall prepare supplemental drawings. As-Built drawings shall be submitted to the district engineer upon completion of work.

GRADING

- 1) Earthwork shall be performed in accordance with the Standards of the Wallace Community Services District.
- 2) All fill areas shall be tested as required by the Wallace Community Services District.

SANITARY SEWERS AND STORM DRAINS

- 1) All sanitary sewer and storm drain materials and construction shall conform to the Wallace Community Services District Improvement Standards.
- 2) All pipe shall be laid to conform to the lines and grades prescribed on the drawings using a laser leveling device.
- 3) All gravity piping will be subject to pressure testing in accordance with the Wallace Community Services District Improvement Standards.
- 4) The minimum cover on sanitary sewer and storm drain lines is 36".

WATER SYSTEM

- 1) All water system materials and construction shall conform to the Wallace Community Services District Improvement Standards.
- 2) All pipe shall be installed to conform to the lines and grades prescribed on the drawings.
- 3) The water system shall be subject to pressure testing and bacteriological testing in accordance with the Wallace Community Services District Improvement Standards.

ELECTRICAL

- 1) Prior to final acceptance of the improvements described in these drawings and specifications, the Contractor shall coordinate the energizing of all gas, electrical, and street lighting systems with the District, PG&E, and Campora Gas.

PAVING

- 1) All underground utilities shall be installed, tested, in operating condition prior to installation of curb, gutter, sidewalk, and paving.
- 2) All maintenance holes, lamp holes, cleanouts, water valve boxes, monument boxes, etc. shall be installed and adjusted to grade after street paving has been completed.
- 3) After completion of all work within paved street sections the street shall be crack seal to the limits shown.

CLEAN-UP

- 1) The Contractor shall be responsible for controlling dust from his operations at all times. Dust control shall conform to Cal Trans Standards.
- 2) Prior to final acceptance by the District, the Contractor shall leave the site, including lots and improvements within the right-of-way, in a neat, clean condition free, from construction materials, debris, trash, etc.

END OF GENERAL NOTES

APPROVALS

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

REVISIONS

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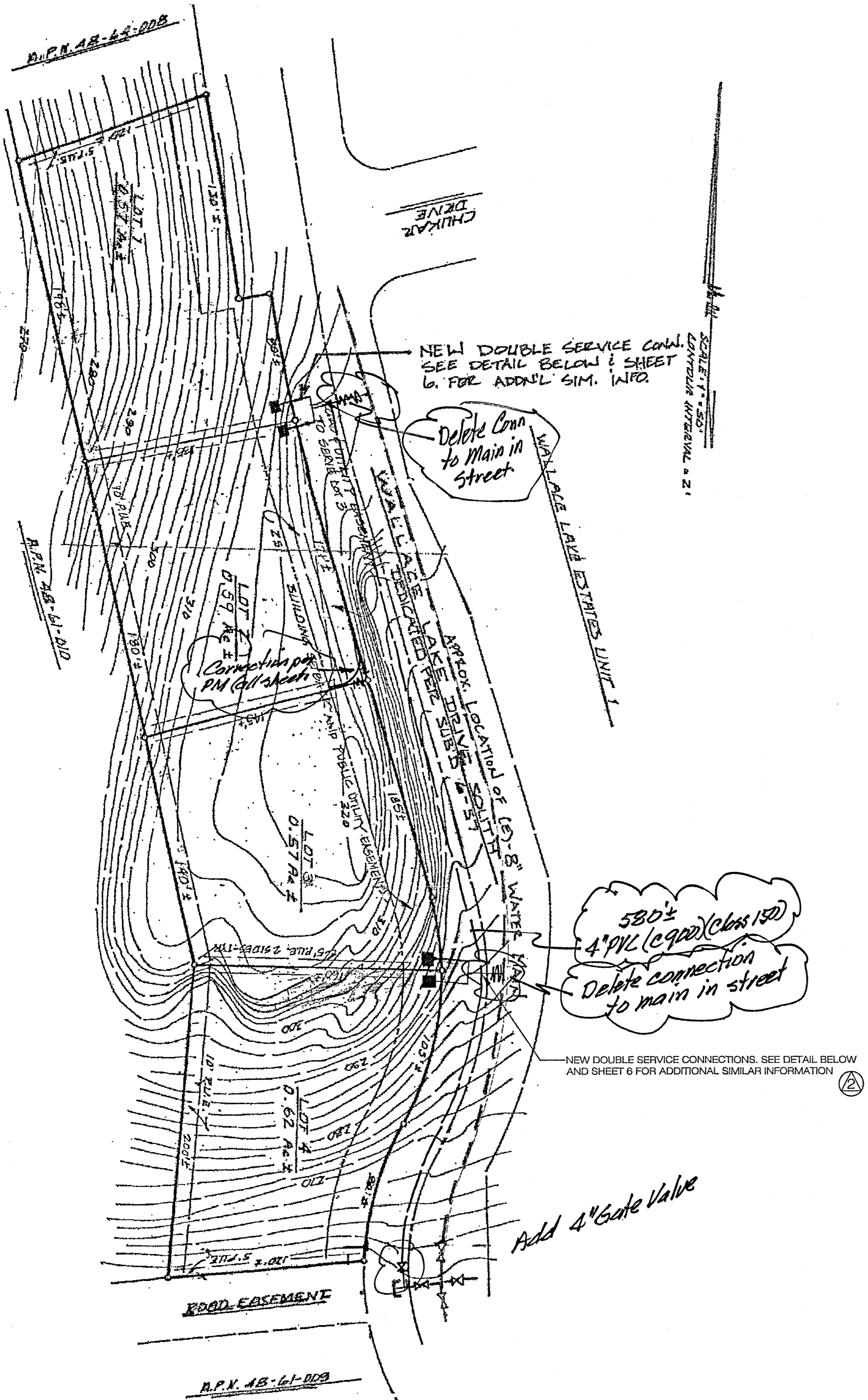
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WALLACE LAKE ESTATES, UNIT 1, TRACT 434
WALLACE - CALIFORNIA

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AND DESIGN
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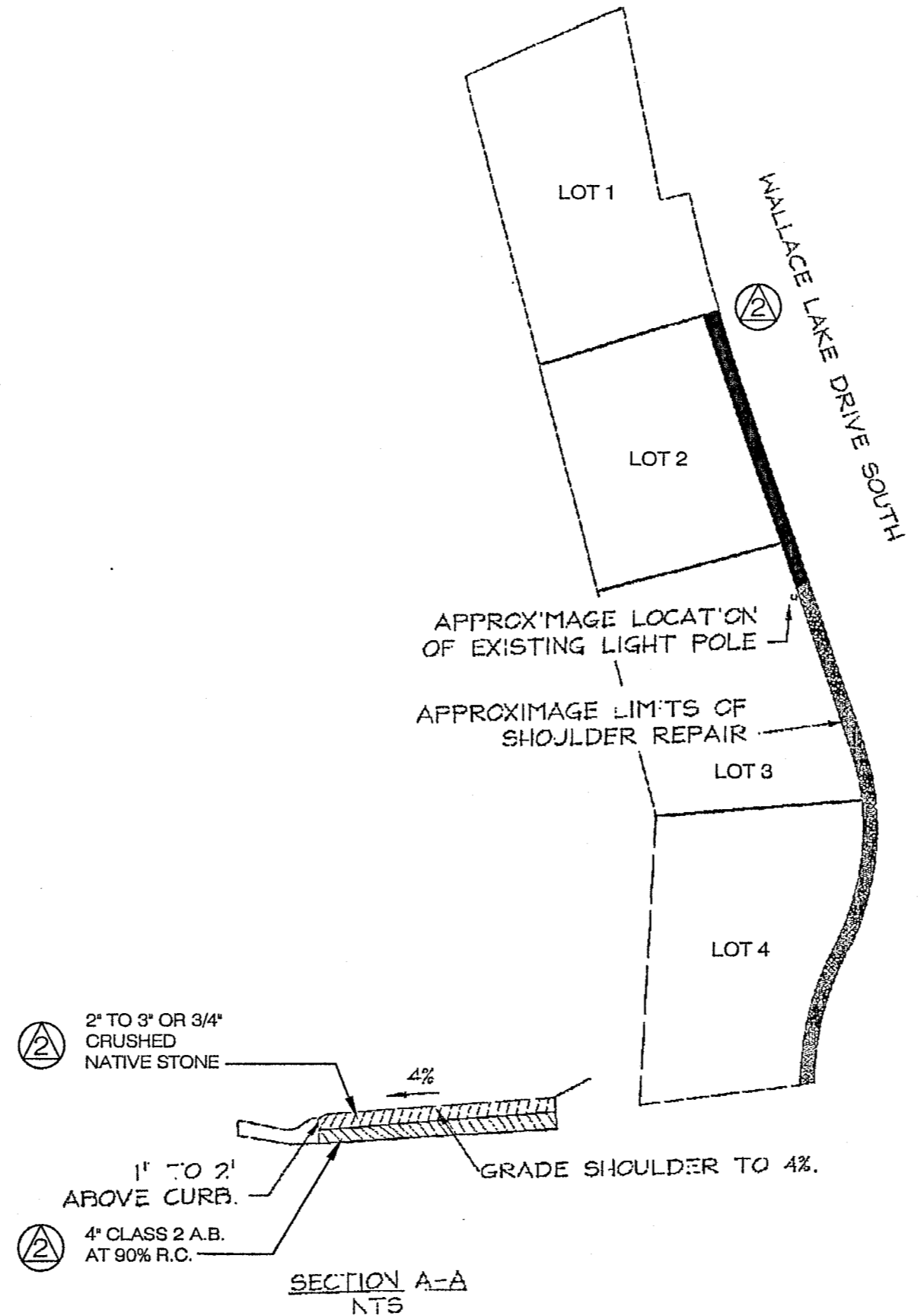
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DRAWINGS
SEWER LINE
IMPROVEMENT
PLAN AND NOTES

FILE NO. D-5696
DRAWN BY JL
DATE 05-2006
SCALE AS NOTED
SHEET 2
2 OF 6 SHEETS

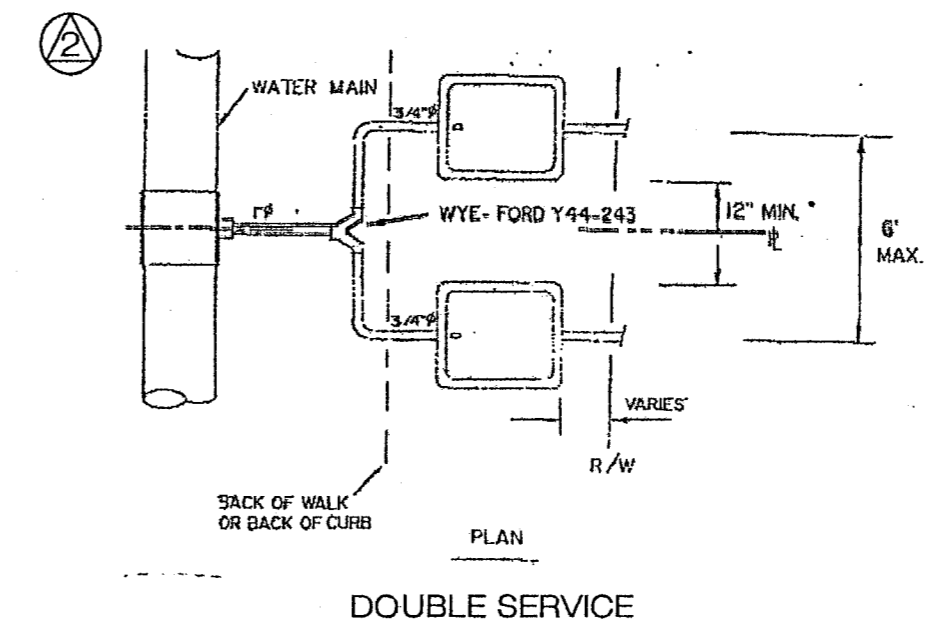


DRAINAGE REPAIR EXHIBIT
LAKERIDGE SUBDIVISION UNIT 1B



- NOTES:**
- TRENCHES UNDER PAVING SHALL BE BACKFILLED WITH CONTROLLED DENSITY BACKFILL. SEE DETAIL SS-2 AND W-4 ON SHEET 6.
 - THE DISTRICT EMERGENCY CONTRACTOR OR OTHER CONTRACTOR APPROVED BY THE DISTRICT SHALL MAKE ALL CONNECTIONS INTO EXISTING DISTRIBUTION OR TRANSMISSION LINE AT THE DEVELOPER'S EXPENSE.
 - UNDER NO CIRCUMSTANCES SHALL ANYONE OTHER THAN A REPRESENTATIVE OF THE DISTRICT OPEN OR CLOSE ANY VALVE IN A DISTRICT OPERATED WATER SYSTEM.

- LEGEND**
- (E)-EXISTING WATER LINE
 - NEW WATER LINE CLASS 150 C900 PVC
 - EXISTING HYDRANT
 - EXISTING SERVICE
 - NEW DOUBLE SERVICE CONNECTION. SEE SERVICE CONNECTION DETAIL ON SHEET 6.



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①	08/2006	PLAN CHECK	JL
②	01/2007	PLAN CHECK	JL
	9/2006	Revise Service	SW
		Conn. Support by WFO	SW

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IMPROVEMENT PLANS FOR:
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WALLACE LAKE ESTATES, UNIT 1, TRACT 434
WALLACE - CALIFORNIA

WEATHERBY REYNOLDS FRITSON
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ENGINEERING AND DESIGN

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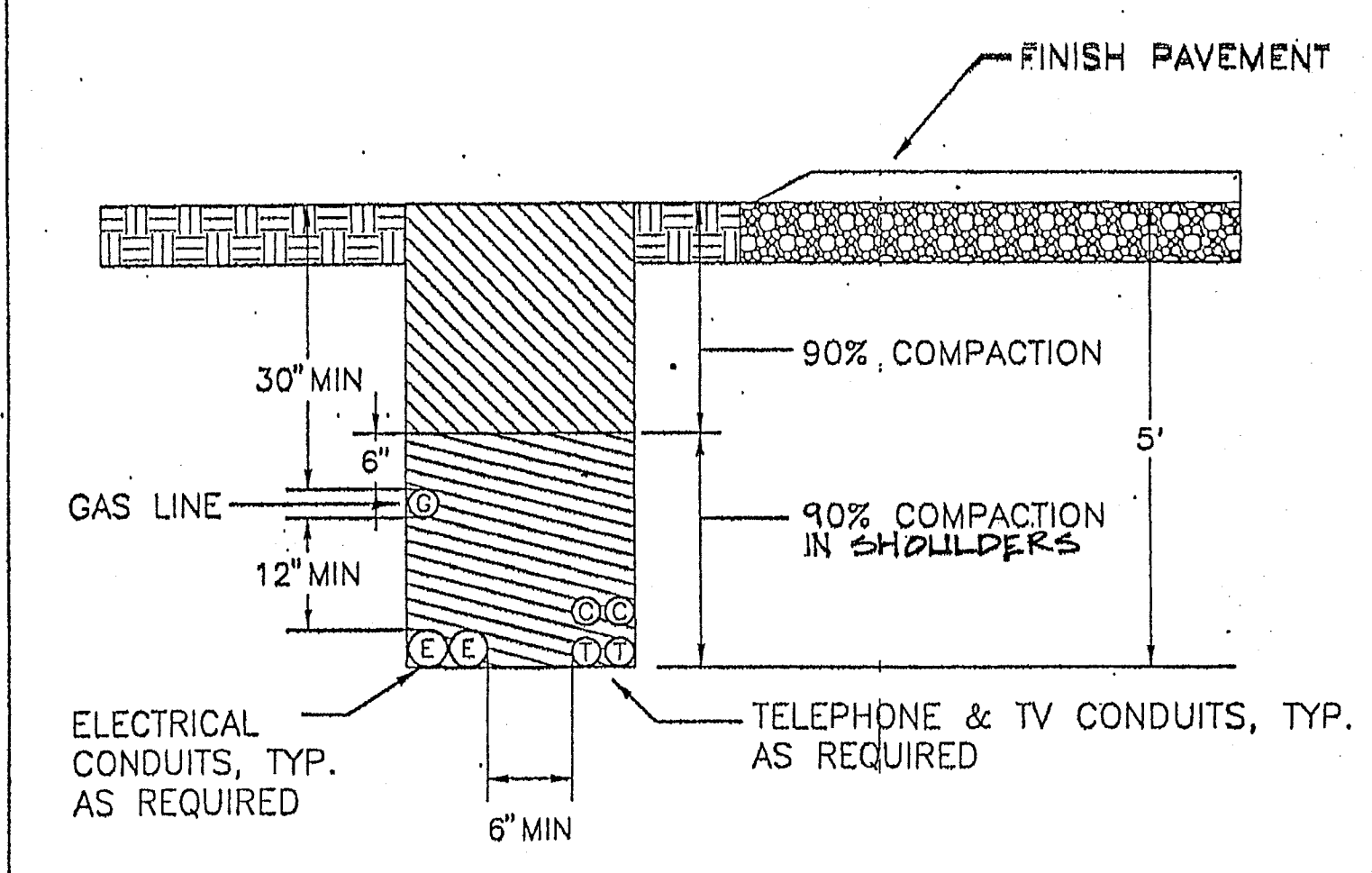
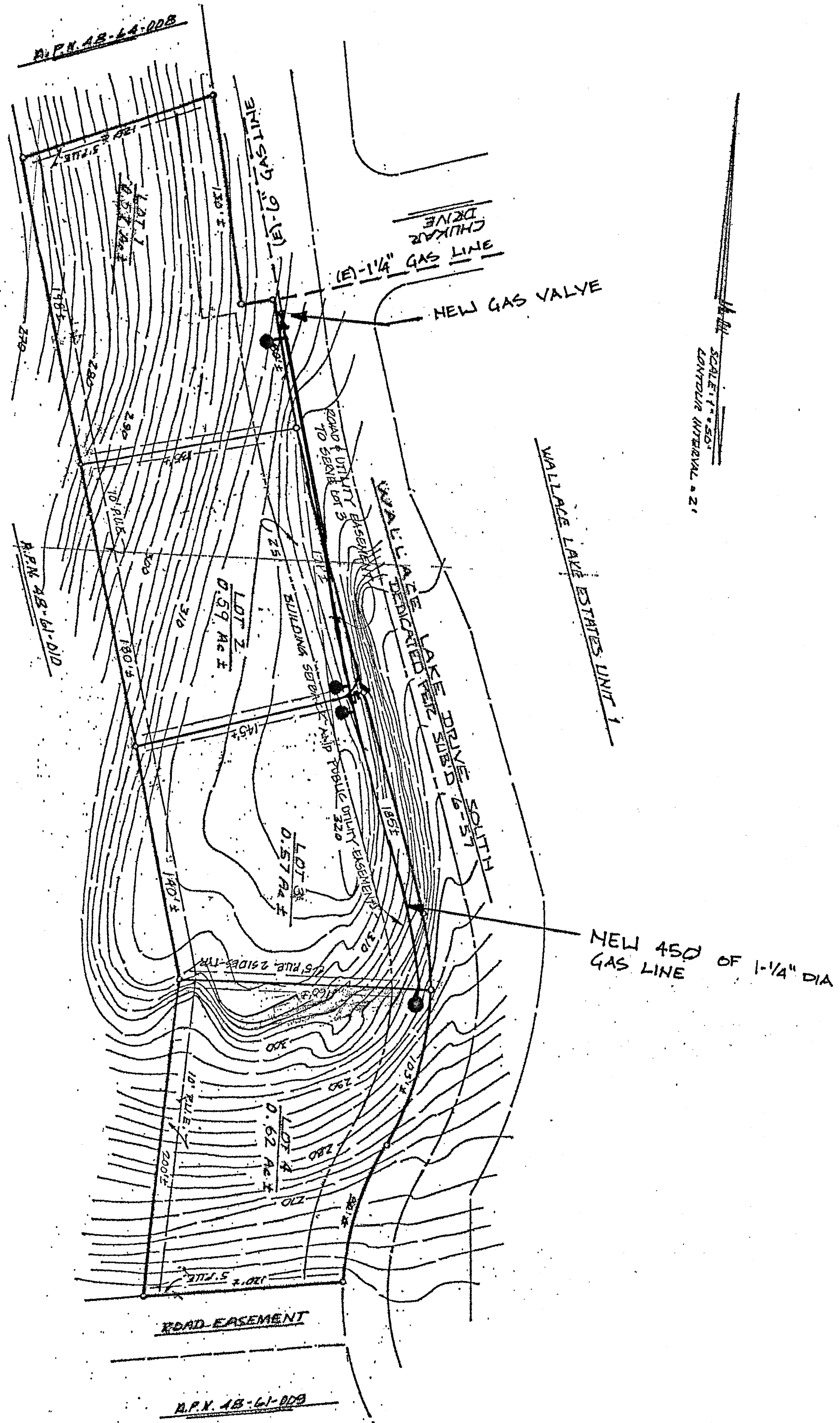
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DRAWINGS

WATER LINE
IMPROVEMENT
PLAN AND NOTES

FILE NO. D-5598
DRAWN BY JL
DATE 05-2006
SCALE AS NOTED
SHEET 3

3 OF 6 SHEETS

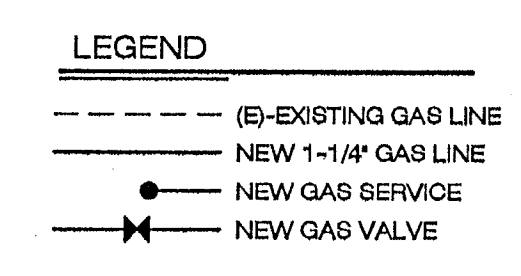


NOTES:
JOINT TRENCH SHALL COMPLY WITH P G & E RULES

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

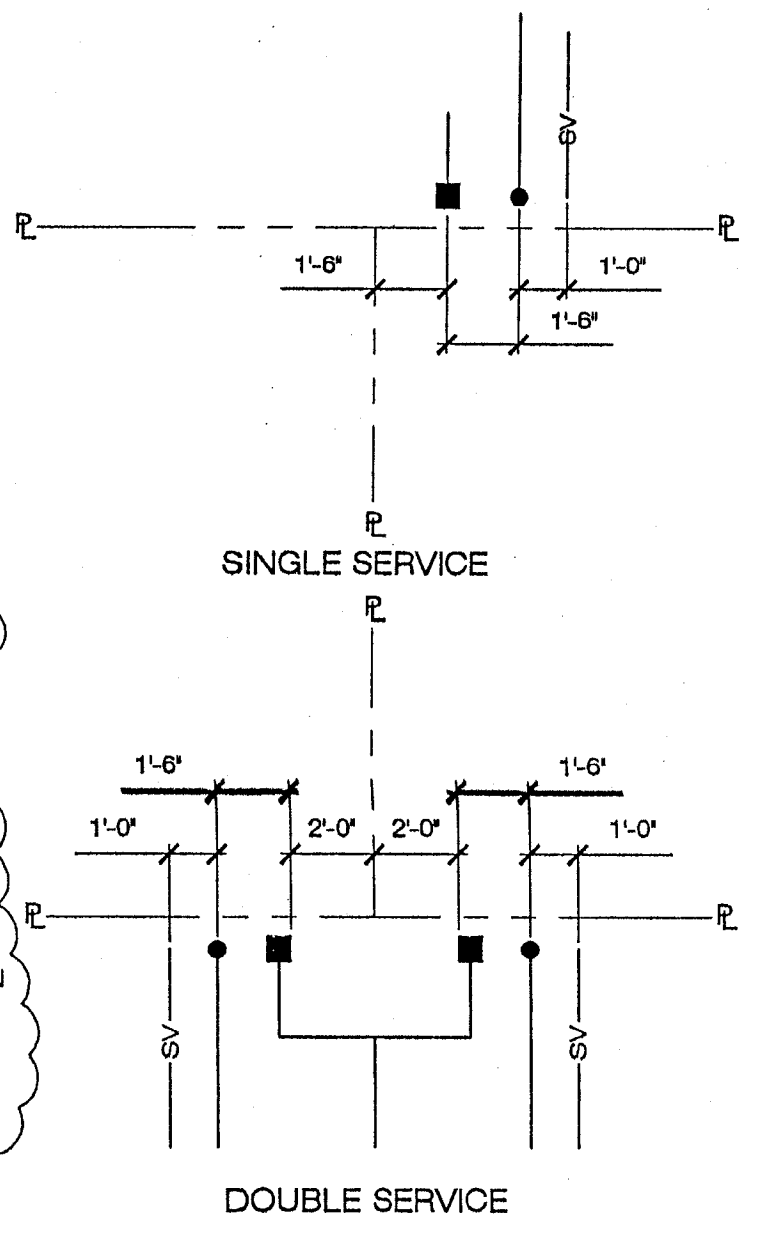
- PART 1 - GENERAL**
- 1.01 STANDARDS**
- A. Gas service shall conform to paragraphs 1-4, 6-10, & 12 of Section 2, Gas, of "Electric & Gas Service Requirements", by Pacific Gas & Electric Company, 1995.
- PART 2 - MATERIALS**
- 2.01 POLYETHYLENE PLASTIC PIPE**
- A. Polyethylene plastic pipe shall meet 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 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 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.



NOTES:

- GAS LINE SHALL BE IN JOINT UTILITY TRENCH. SEE DETAIL ON SHEET 4.
- DETAILS REFER TO P.G.&E. DRAWINGS 0731E19536 (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 (209-796-0449) AT LEAST 48 HOURS PRIOR TO START OF GAS LINE CONSTRUCTION.



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

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WEATHERBY REYNOLDS FRITSON
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ENGINEERING
AND DESIGN

REGISTERED PROFESSIONAL ENGINEER
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DRAWINGS

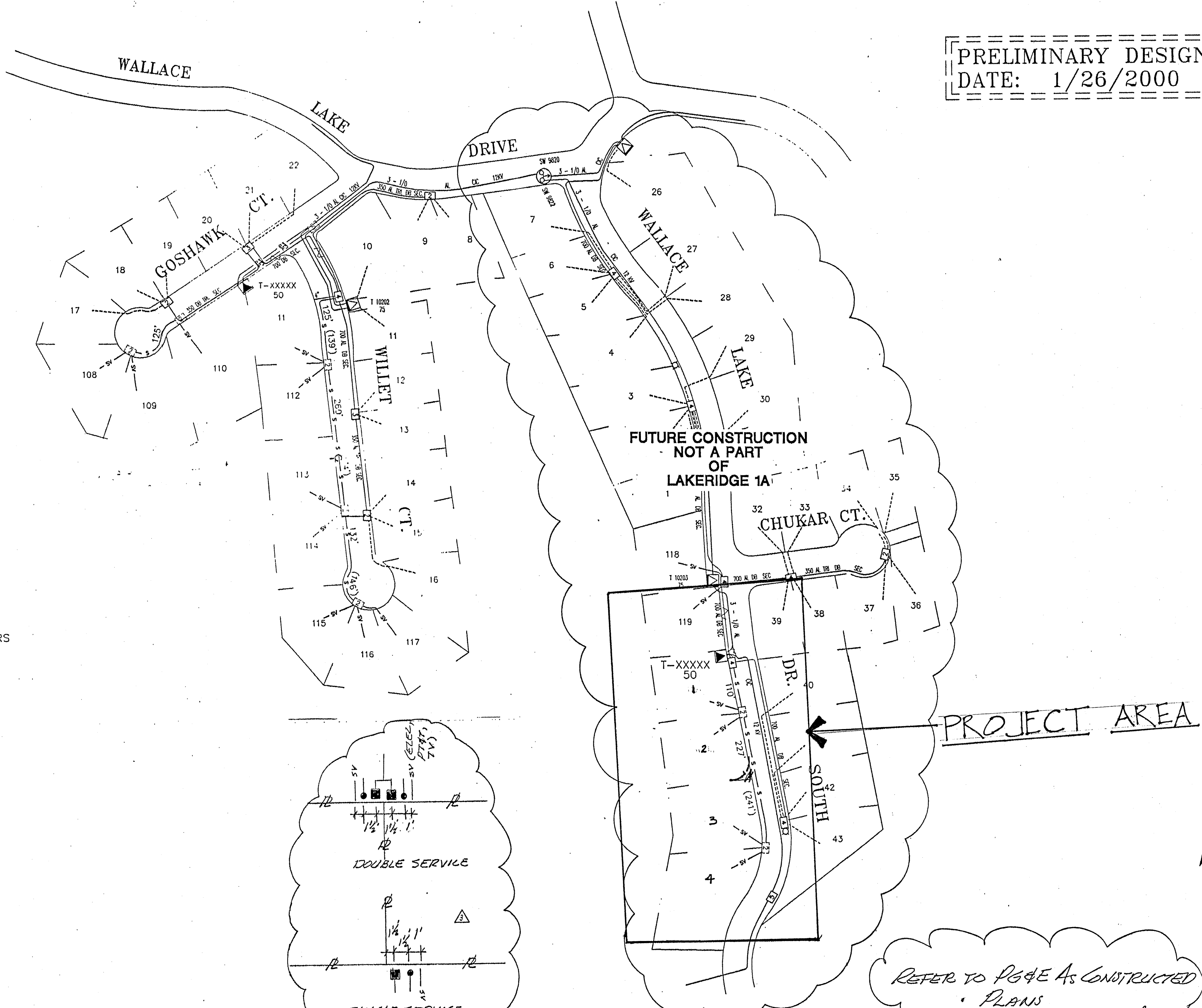
GAS LINE
IMPROVEMENT
PLAN AND NOTES

FILE NO. D-5598
DRAWN BY JL
DATE 05-2006
SCALE AS NOTED
SHEET (2)

4

4 OF 6 SHEETS

PRELIMINARY DESIGN
DATE: 1/26/2000

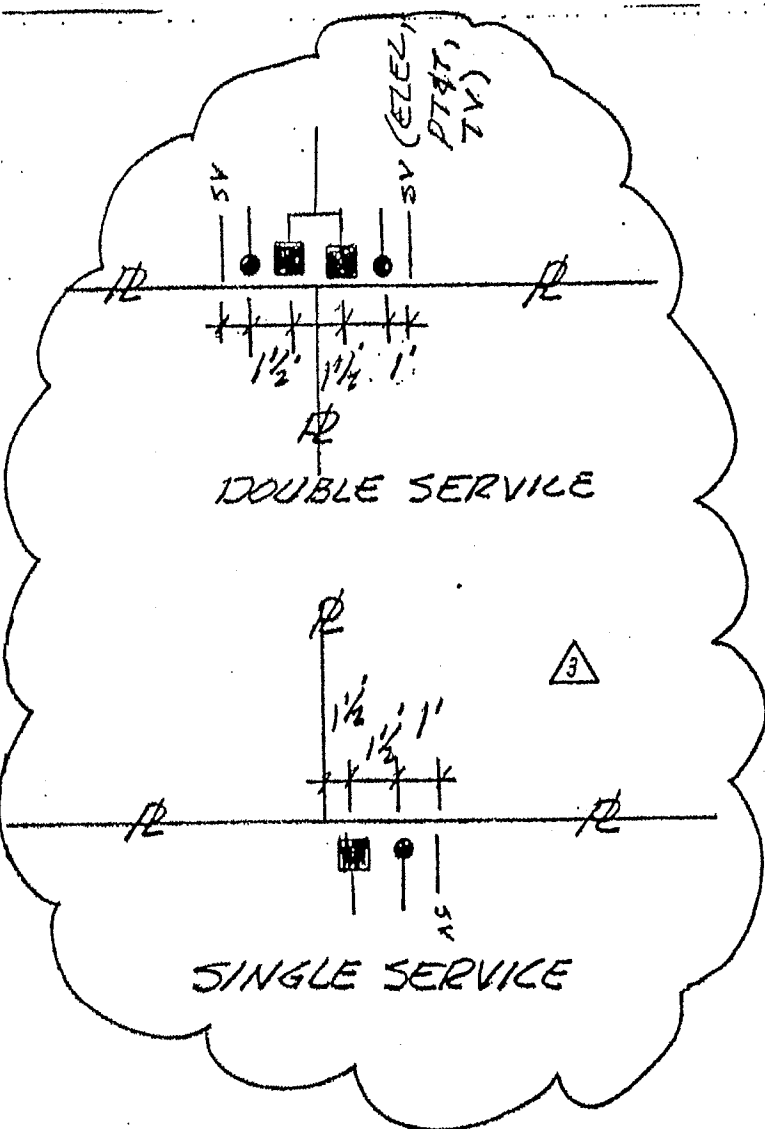


NOTES:

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:

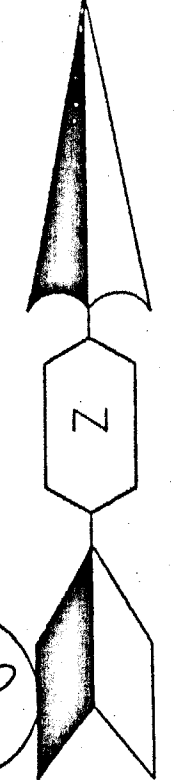
- INSTALL
- 3 - 1/0 AL ENCAP IN APPLICANT'S 4" DUCT
 - 350 AL TRI. SECONDARY IN APPLICANT'S 3" DUCT
 - FUTURE 4/0 AL TRI SERVICE IN 3" DUCT
 - ▲ PADMOUNT TRANSFORMER SIZE AS SHOWN
 - 3' X 5' PRIMARY FULL TRAFFIC SPLICE BOX
 - 17" X 30" SECONDARY SPLICE BOX
- EXISTING
- 3 - 1/0 AL CIC 12KV PRIMARY
 - 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

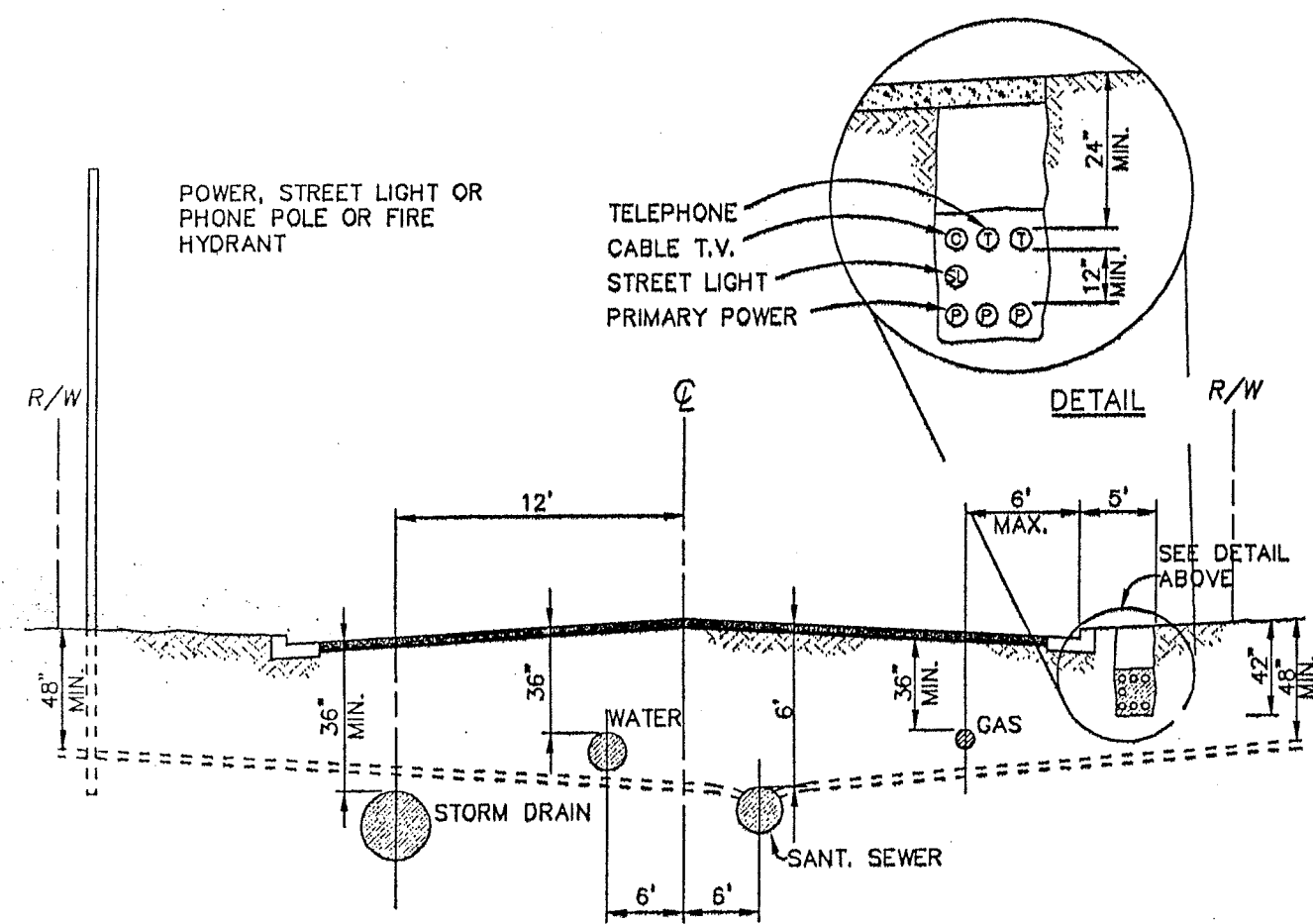
REFER TO PAGE AS CONSTRUCTED PLANS

AS CONSTRUCTED



SHEET 5 OF 6
7/25/03

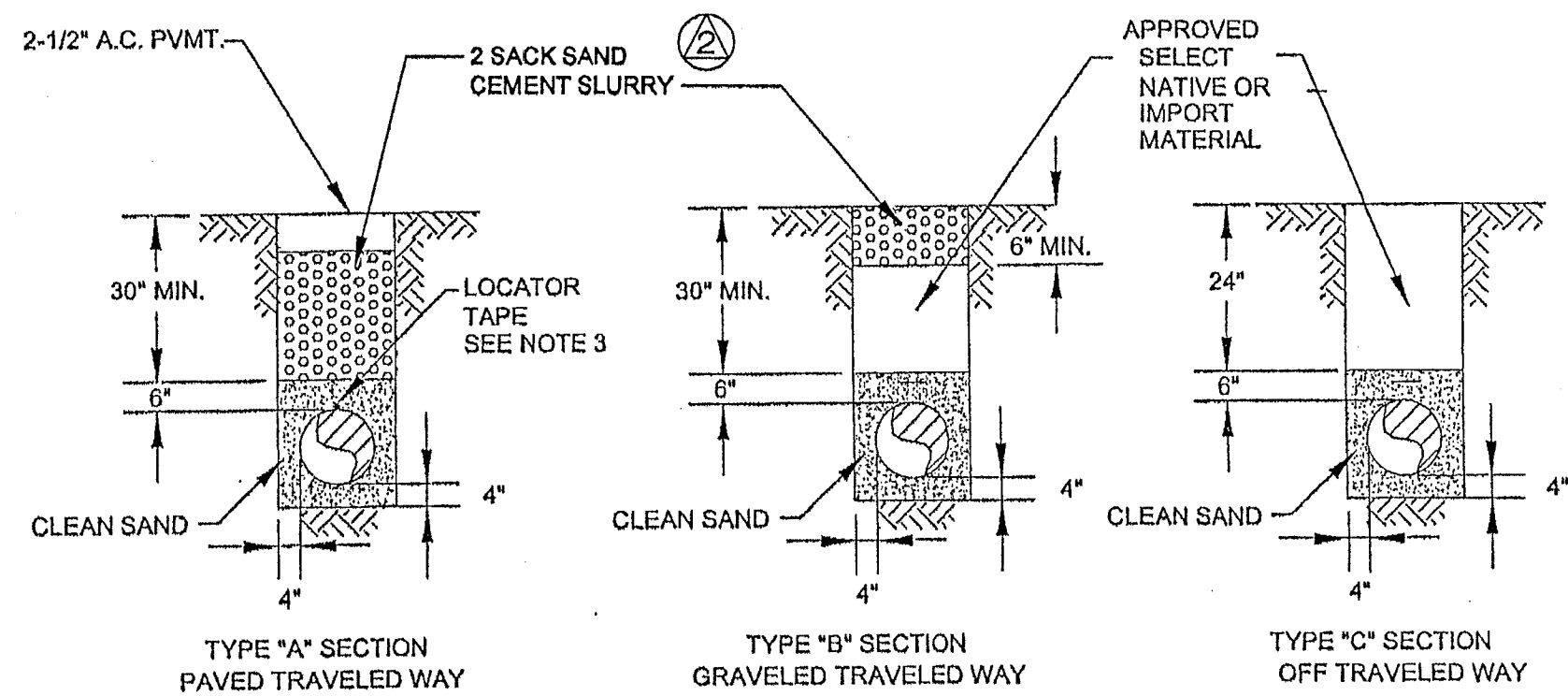
CO: 6030983	SD: 0735E0576	NOTIF: 100069907	Other: URD INSTALLATION	SHT: 1 OF 2	SHEETS	REV.
ENGINEERING AND PLANNING DEPT.			1108 MURPHYS GARDE RD.			
ANGELS CAMP, CA 95222			PHONE #:			
PACIFIC GAS AND ELECTRIC COMPANY			FAX #:			
DATE: 01/25/00			SCALE: 1"=100'			
EST: K.M.	ADE: K.M.	SUPV: A.M.D.	REP: Jeff Biong	PLNR:	DATE: 01/25/00	SCALE: 1"=100'
ORDER #	DATE	DESCRIPTION	REVISIONS			
LAKERIDGE SUBDIVISION						
RICK McGRAFF						
WILLET CT. & WALLACE LAKE DR. S.						
WALLACE						



- NOTES:
- FOR ALL SUBDIVISIONS: A COMPOSITE UTILITY PLAN, SIGNED BY A REPRESENTATIVE OF EACH UTILITY, SHALL BE SUBMITTED TO THE DISTRICT ENGINEER FOR APPROVAL ALONG WITH THE CONSTRUCTION DRAWING PACKAGE.
 - JOINT TRENCH (FOR UTILITIES ONLY) MAY BE USED WHERE APPLICABLE PROVIDED STATE AND LOCAL ORDINANCES AND UTILITY COMPANY REQUIREMENTS ARE MET.
 - ALL SEWER MAINS AND LATERALS SHALL CROSS UNDER WATER MAINS AND SERVICES WITH A MINIMUM OF ONE FOOT OF CLEARANCE.

DATE	REVISION	BY	DESCRIPTION
JUL 04			UTILITY LOCATIONS

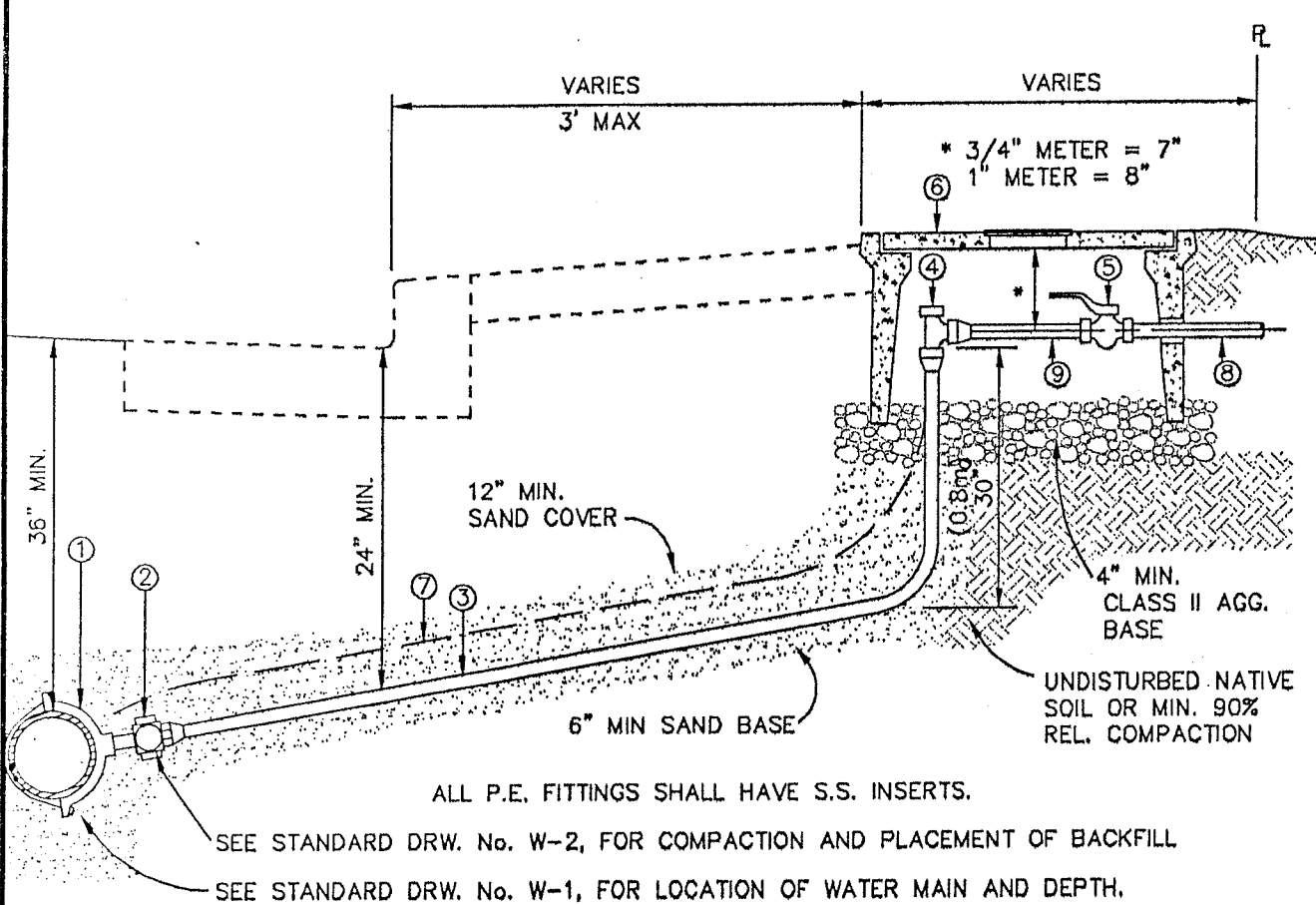
SCALE	VERT.	1" = 10'
DATE	DESIGNED	RTW
DATE	CHECKED	RTW
DATE	PROJECT NO.	STD. W-1



- NOTES:
- BEDDING MATERIAL SHALL BE CLEAN IMPORTED SAND AND PROPORTIONED AS SHOWN ABOVE. 3/8" PEA GRAVEL OR 3/4" CRUSHED ROCK SHALL BE USED AT BOTTOM OF PIPE IN WETTED AREAS OR AREAS OF HIGH GROUNDWATER.
 - PLACEMENT SHALL PROVIDE A FIRM, SMOOTH, UNIFORM BOTTOM FOR PIPE SUPPORT.
 - LOCATOR TAPE SHALL BE TAPED TO THE TOP OF THE PIPE.
 - ALL BACKFILL SHALL BE COMPACTED IN 6" LIFTS TO 95% MAXIMUM DENSITY.
 - SELECT NATIVE MATERIAL OR IMPORT SHALL BE FREE FROM ORGANIC OR DELETERIOUS MATERIAL, AND NO ROCKS OVER 3" DIAMETER.
 - SLURRY CEMENT BACKFILL MAY BE REQUIRED FOR TYPE A SECTION WHEN DIRECTED BY THE DISTRICT ENGINEER.

DATE	REVISION	BY	DESCRIPTION
APR 04			TRENCH BACKFILL DETAILS

SCALE	VERT.	1" = 10'
DATE	DESIGNED	RTW
DATE	CHECKED	RTW
DATE	PROJECT NO.	STD. W-2



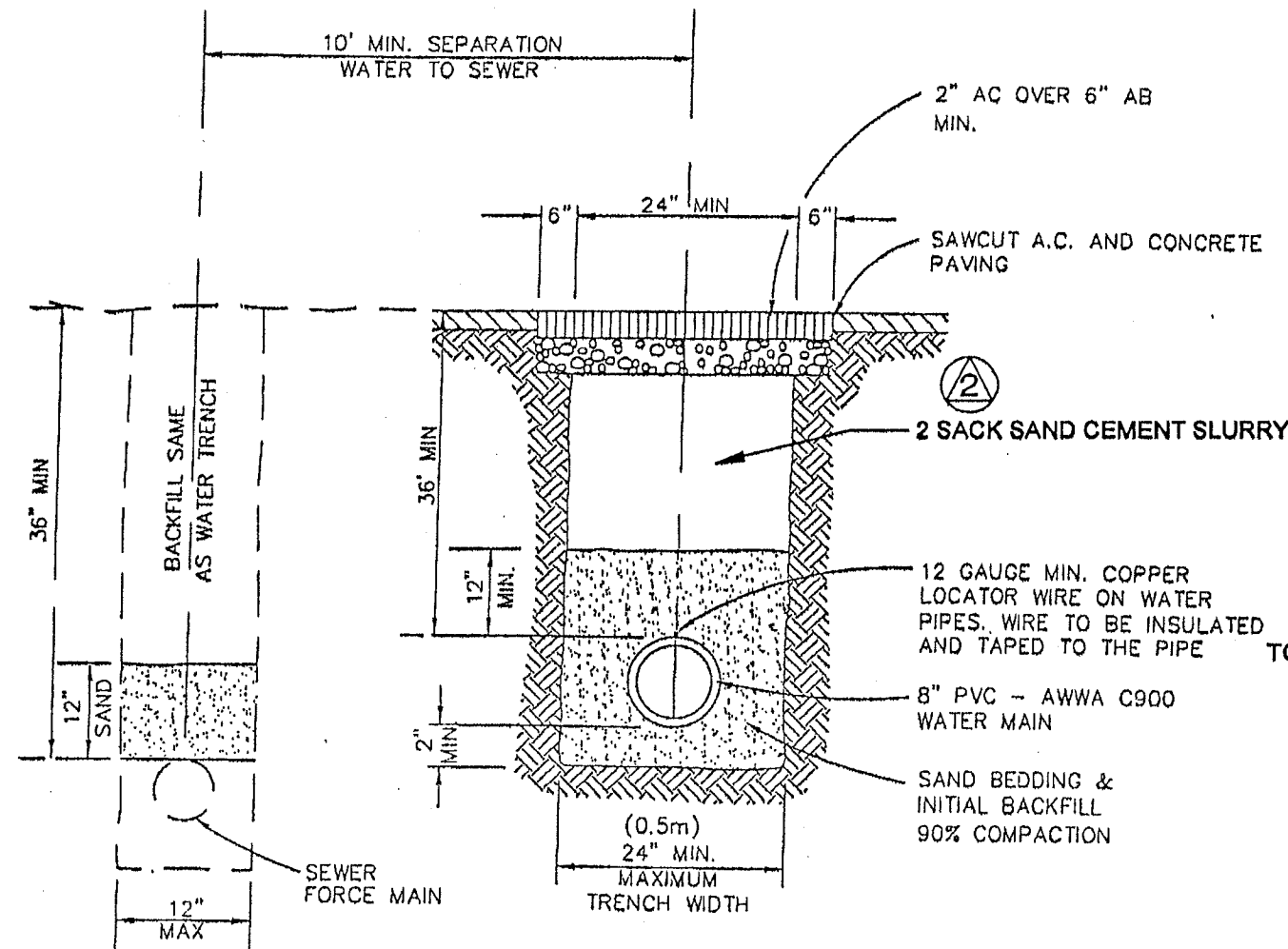
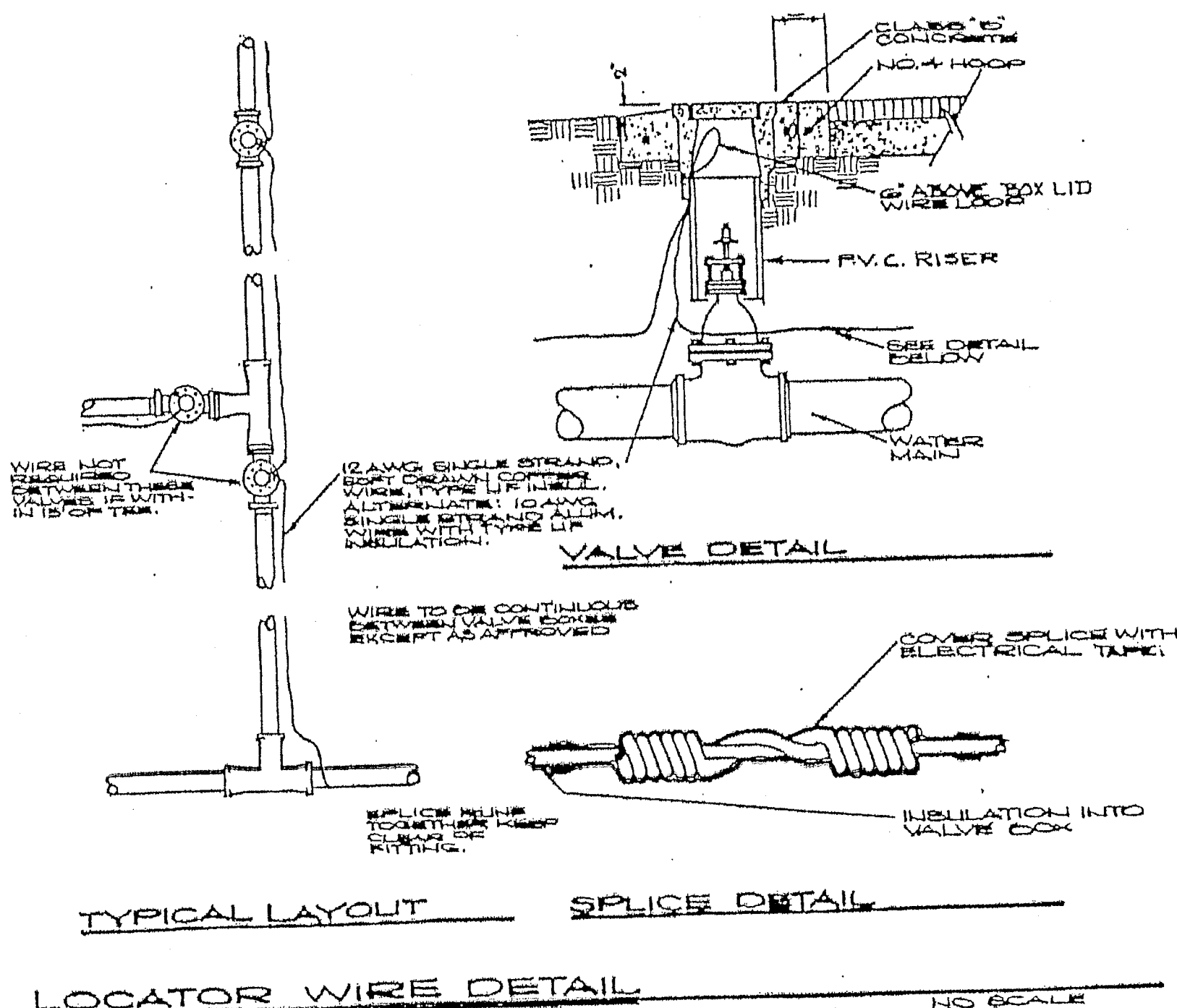
- SERVICE CLAMP: STAINLESS STEEL DOUBLE-STRAP (4 BOLTS) BRONZE SADDLE, FOR 1" TAP, AS LISTED OR EQUAL APPROVED BY THE DISTRICT ENGINEER. MUELLER H-16100 SERIES OR JONES J-979 OR ROMAC 202 B5 FOR C-900 PVC
- CORPORATION STOP: 1" CORPORATION STOP, STRAIGHT COUPLING. MUELLER H-15050 OR FORD F-1000 OR JONES J-3401
- SERVICE RISER: MIN. SERVICE TO METER IS 1" POLYETHYLENE (P.E.) COPPER TUBING SIZE.
- METER VALVE: SHALL BE LOCKABLE IN OFF POSITION. 3/4" METER - 1"x3/4" FORD NO. KV43-342W OR JONES J4201 OR EQUAL. 1" METER - 1" FORD NO. KV43-444W OR JONES 1963W OR APPROVED EQUAL
- CUSTOMER SERVICE BALL VALVE: INSTALL ON CUSTOMER SIDE. 3/4" - FORD B-13-332 W. 1" - FORD B-13-444
- METER BOX: CHRISTY R136. INSTALL 1/4" RODENT SCREEN BOTTOM OF METER BOX TYPICAL.
- LOCATOR WIRE: USE 12 GAUGE COPPER WIRE INSULATED FOR ALL SERVICE ASSEMBLIES. TIE TO LOCATOR WIRE ON MAIN LINE FROM ANGLE STOP VALVE.
- EXTEND 3/4" PVC SCH 40 3 FT OUTSIDE BOX, TYPICAL.
- BLANKED METER IDLER - FORD MO. 2, 7-1/2" LENGTH TYPICAL.

DATE	REVISION	BY	DESCRIPTION
JUL 04			1" WATER SERVICE

SCALE	VERT.	1" = 10'
DATE	DESIGNED	RTW
DATE	CHECKED	RTW
DATE	PROJECT NO.	STD. W-4

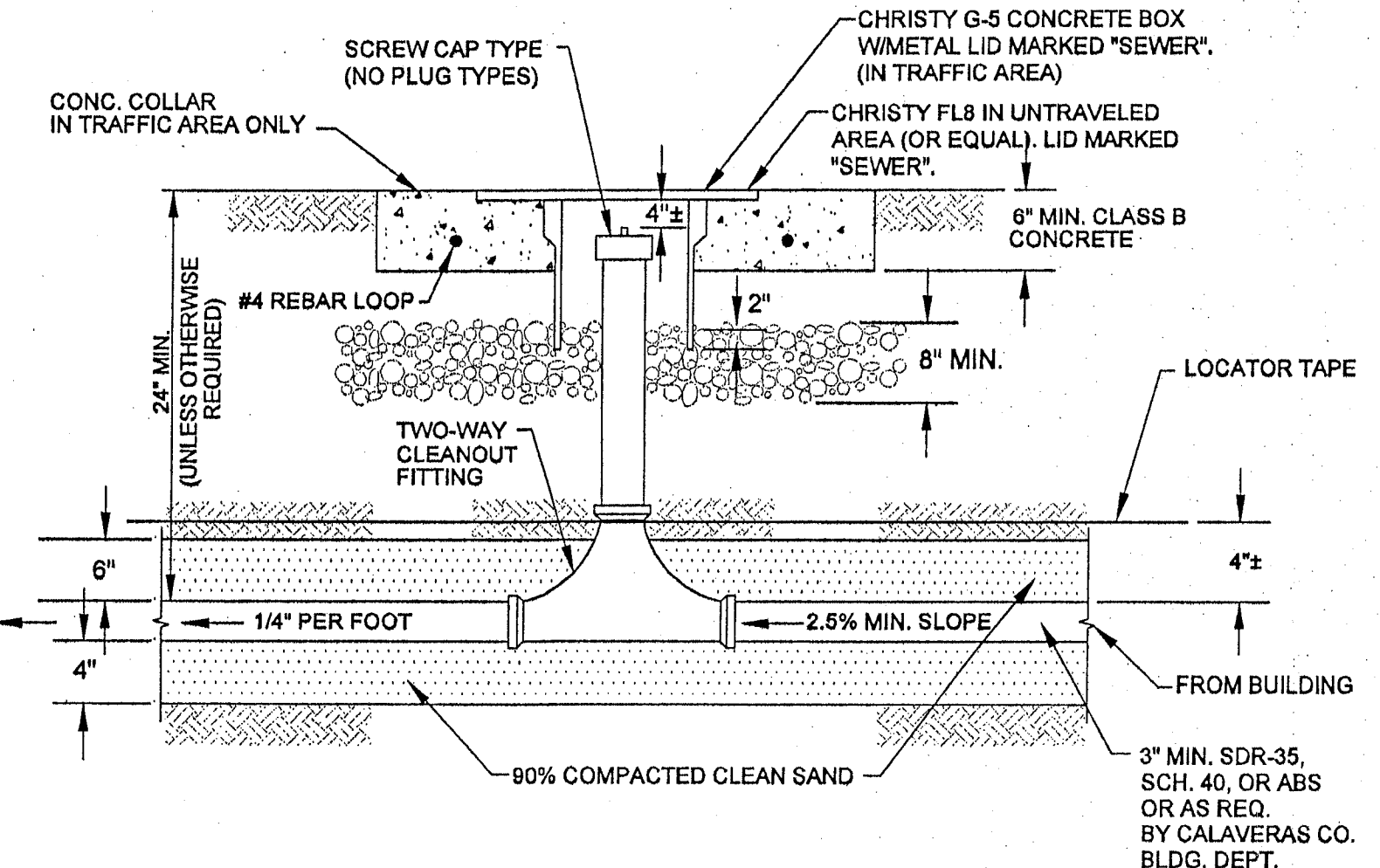
DATE	REVISION	BY	DESCRIPTION
JUL 04			LOCATOR WIRE DETAIL

SCALE	VERT.	1" = 10'
DATE	DESIGNED	RTW
DATE	CHECKED	RTW
DATE	PROJECT NO.	STD. W-4



DATE	REVISION	BY	DESCRIPTION
JUL 04			TRENCH DETAIL

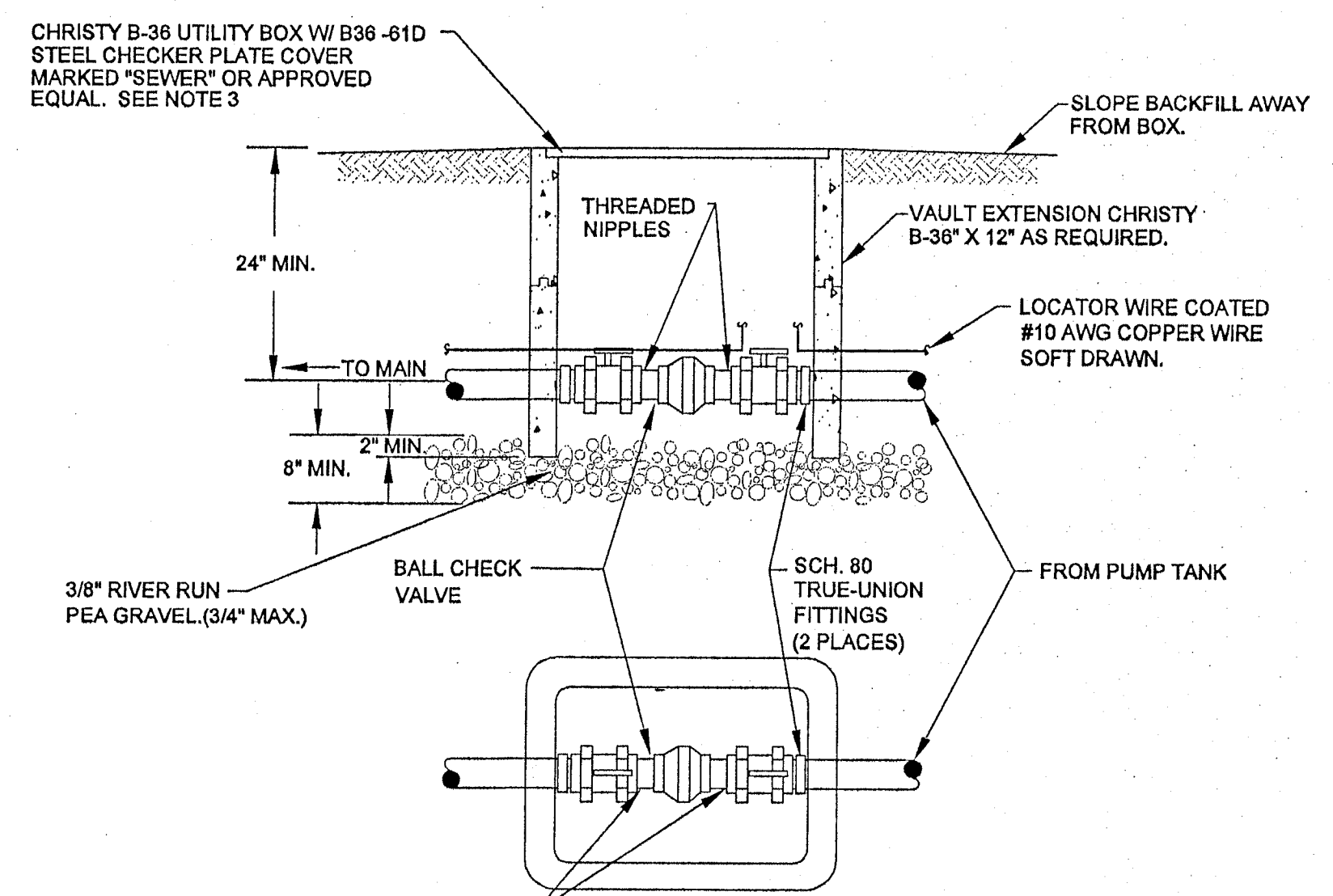
SCALE	VERT.	1" = 10'
DATE	DESIGNED	RTW
DATE	CHECKED	RTW
DATE	PROJECT NO.	STD. W-2



- NOTES:
- 12" WIDE BY 8" THICK STEEL REINFORCED CONCRETE COLLAR SHALL BE INSTALLED AROUND CLEANOUT BOX IN ALL TRAFFIC RATED AREAS.
 - CLEANOUTS SHALL BE SPACED EVERY 100' FROM THE INITIAL CLEANOUT AT THE BUILDING TO THE SEPTIC TANK.
 - PIPE MATERIAL SHALL BE SDR-35, SCH. 40 SOLVENT WELDED PVC OR ABS (3" MIN.)
 - CLEANOUTS REQUIRED FOLLOWING ALL BENDS 22-1/2" OR GREATER.

DATE	REVISION	BY	DESCRIPTION
6/21/04			BUILDING SEWER CLEANOUT

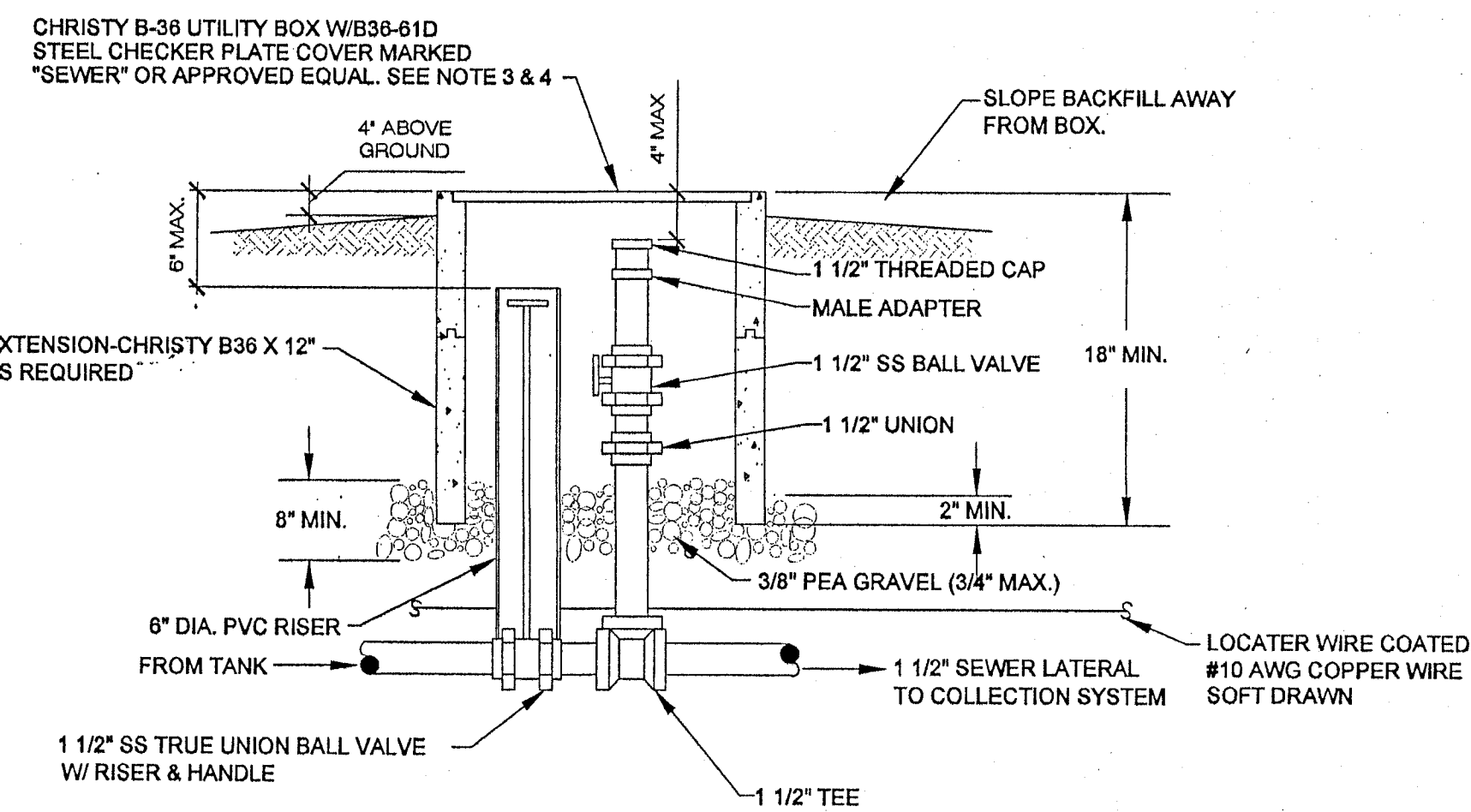
SCALE	VERT.	1" = 10'
DATE	DESIGNED	RTW
DATE	CHECKED	RTW
DATE	PROJECT NO.	STD. SS-3



- NOTES:
- BALL AND CHECK VALVES SHALL BE OF SCH 80 PVC
 - SEWER SERVICE CONNECTION SHALL BE LOCATED AT PROPERTY LINE.
 - CHRISTY FL36 (OR EQUAL) IN UNTRAVELED AREAS.

DATE	REVISION	BY	DESCRIPTION
6/21/04			SEWER SERVICE CONNECTION BALL & CHECK VALVES

SCALE	VERT.	1" = 10'
DATE	DESIGNED	RTW
DATE	CHECKED	RTW
DATE	PROJECT NO.	STD. SS-7



- NOTES:
- FLUSHING INLETS SHALL BE PLACED ON THE SEWER LATERAL EVERY 250'.
 - MATERIAL SHALL BE SCH-40 PVC PIPE W/SOLVENT WELDED JOINTS.
 - CHRISTY B17X30 UTILITY BOX WITH STEEL CHECKER PLATE H/20 LOADING MARKED "SEWER" OR APPROVED EQUAL, FOR ALL TRAFFIC RATED AREAS.
 - CHRISTY FL36 (OR EQUAL) IS ACCEPTABLE IN UNTRAVELED AREAS.

DATE	REVISION	BY	DESCRIPTION
6/21/04			FLUSHING INLET

SCALE	VERT.	1" = 10'
DATE	DESIGNED	RTW
DATE	CHECKED	RTW
DATE	PROJECT NO.	STD. SS-8

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.

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

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

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

WEATHERBY REYNOLDS FRITSON
WB
 ENGINEERING AND DESIGN
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA
 No. 14774
 LIC. EXP. 03/31/07
 (209) 223-0381 (Voice)
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 236 Peck Street
 Jackson, CA. 95642
 http://www.wrfed.com

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DRAWINGS
 WATER AND SEWER DETAILS

FILE NO. D-5598
 DRAWN BY JLB
 DATE 05-2006
 SCALE AS NOTED
 SHEET 6

6 OF 6 SHEETS