CITY OF ORLAND

4TH STREET AND 5TH STREET ALLEY WATER MAIN REPLACEMENT

DECEMBER, 2025

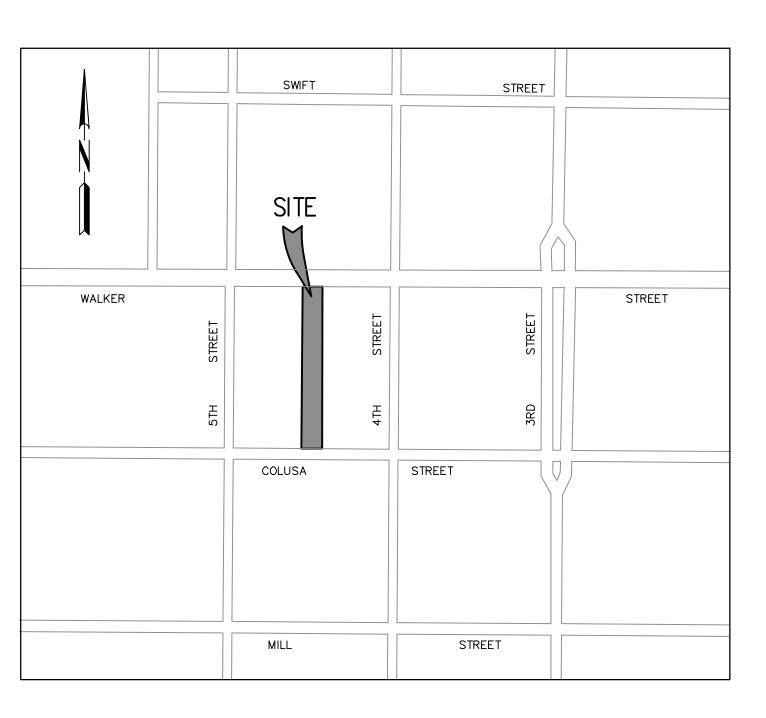
ENGINEER

ROLLS, ANDERSON & ROLLS 115 YELLOWSTONE DRIVE CHICO, CA 95973-5811

PREPARED BY OR UNDER THE DIRECTION OF



PAUL W. RABO RCE 72209
DATE 12-8-25



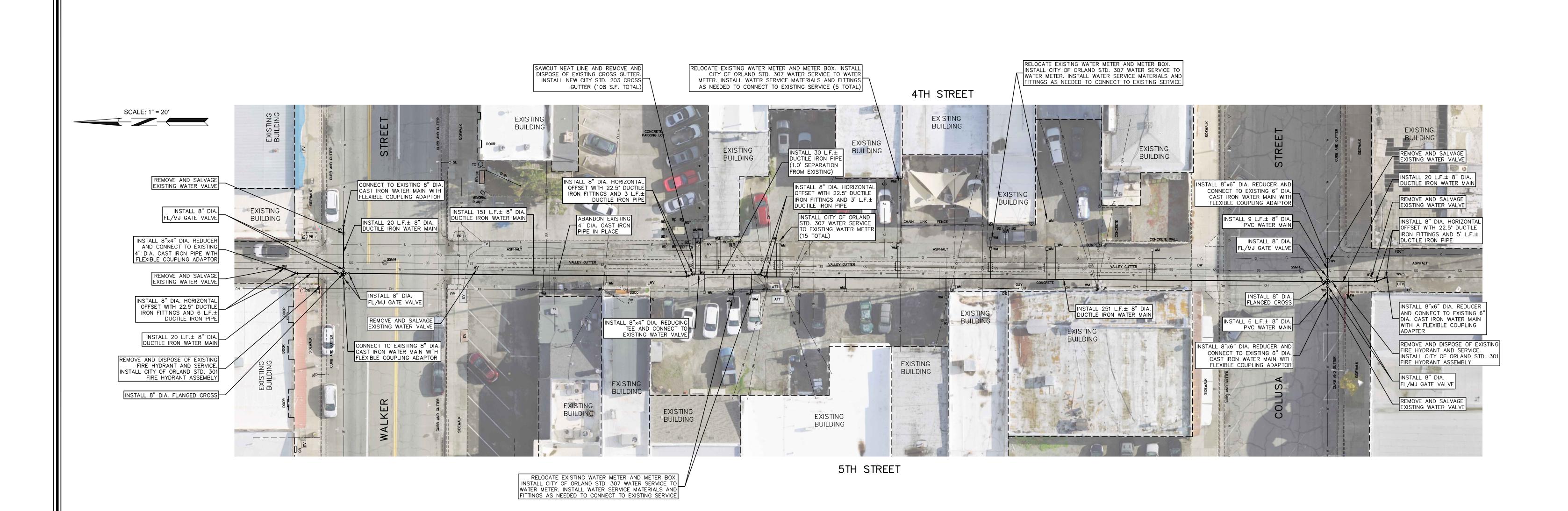
LOCATION MAP

NO SCALE

DRAWING INDEX

DWG NO.	TITLE
1	TITLE SHEET
2	WATER MAIN IMPROVEMENT PLAN
3-4	DETAILS





LEGEND

- EXISTING BOLLARD
- EXISTING BLOWOFF VALVE
- EXISTING RAIN LEADER DOWN SPOUT EXISTING DRIVEWAY
- EXISTING ELECTRIC BOX
- EXISTING ELECTRIC VAULT
- EXISTING FIRE HYDRANT
- EXISTING FIRE RISER
- EXISTING FIRE DEPARTMENT CONNECTION
- EXISTING GAS METER EXISTING GAS VALVE
- EXISTING GAS SERVICE BOX EXISTING JOINT UTILITY POLE
- EXISTING PEDESTRIAN RAMP
- EXISTING STREET LIGHT EXISTING SIGN POST
- EXISTING SANITARY SEWER CLEANOUT
- EXISTING SANITARY SEWER MANHOLE
- EXISTING TRASH CAN
- EXISTING WATER METER EXISTING WATER VALVE
- EXISTING EDGE OF CONCRETE
- — — EXISTING EDGE OF PAVEMENT
- ---- × ---- EXISTING FENCE TYPE LABELED
- —— OH EXISTING OVERHEAD LINE
- ——— w ——— EXISTING WATER MAIN ——— G ——— EXISTING GAS MAIN
- ----- ss ----- EXISTING SANITARY SEWER MAIN
- ——— JT ——— EXISTING JOINT TRENCH LINE
- EXISTING ELECTRIC LINE
- ---- EXISTING EDGE OF BUILDING
- PROPOSED WATER MAIN
- PROPOSED SAWCUT LINE

GENERAL NOTES

DETAILS AS REQUIRED.

- 1. ALL CONSTRUCTION SHALL CONFORM TO THE PROJECT PLANS, SPECIFICATIONS AND THE CITY OF ORLAND IMPROVEMENT STANDARDS.
- 2. THE LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA NORTH) AT 811 AT LEAST THREE (3) WORKING DAYS PRIOR TO
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS FOUND DURING CONSTRUCTION. ANY MONUMENTS DISTURBED, DAMAGED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY A LICENSED LAND SURVEYOR OR REGISTERED ENGINEER LICENSED TO PERFORM LAND SURVEYING AT THE CONTRACTOR'S EXPENSE.
- 4. THE CONTRACTOR SHALL APPLY EITHER WATER OR DUST PALLATIVE OR BOTH FOR THE ALLEVIATION OF DUST NUISANCE AS DIRECTED BY THE ENGINEER.
- 5. THE CONTRACTOR SHALL REMOVE MUD AND DUST CARRIED ONTO STREET SURFACES BY CONSTRUCTION EQUIPMENT ON A DAILY BASIS.
- 6. HAUL TRUCKS SHALL BE COVERED WITH TARPAULINS OR OTHER EFFECTIVE COVERS AT ALL TIMES.
- 7. THE CONTRACTOR SHALL PROVIDE EROSION CONTROL IN ACCORDANCE WITH MANAGEMENT PRACTICES TO PREVENT THE DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE. THE CONTRACTOR SHALL CONCRETE WASHOUT PER
- 8. THE CONTRACTOR SHALL REPLACE, AT NO COST TO THE CITY, ANY CONCRETE CURB, GUTTER, OR SIDEWALK DAMAGED DURING CONSTRUCTION ACTIVITIES.
- 9. CITY OF ORLAND WILL PROVIDE CONSTRUCTION STAKING AT THE REQUEST OF THE CONTRACTOR.
- 10. THE CONTRACTOR SHALL POTHOLE ALL POTENTIAL CONFLICTS PRIOR TO ORDERING MATERIALS. PROVIDE THE ENGINEER WITH A LOG OF POTHOLE LOCATIONS AND UTILITY DEPTHS FOR REVIEW. CONTRACTOR SHALL POTHOLE ADDITIONAL ITEMS AS NEEDED TO LOCATE EXISTING UTILITIES.
- 11. THE CONTRACTOR SHALL POTHOLE AND VERIFY ALL EXISTING PIPE SIZES AND PIPE MATERIALS AT POINTS OF CONNECTION PRIOR TO ORDERING MATERIALS.

- 12. EXISTING SEWER LATERAL LOCATIONS AS SHOWN WERE TAKEN FROM RECORD DATA AND ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL POTHOLE THE LOCATION AND DEPTH OF LATERALS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS.
- 13. THE CONTRACTOR SHALL REPLACE ANY STRIPING, PAVEMENT MARKING, OR MARKERS WHICH ARE DAMAGED DURING CONSTRUCTION.
- 14. THRUST BLOCKS SHALL BE INSTALLED WHERE SHOWN ON THE PLANS PER CITY STD. 303. ALL CONCRETE USED FOR THRUST BLOCKS SHALL BE 2,500 PSI.
- 15. CONCRETE COLLARS SHALL BE INSTALLED AROUND ALL WATER VALVES PER CITY STD. 409.
- 16. THE CITY MAY TEST COMPACTION AT ANY LOCATION IN AREAS TO BE COMPACTED. THE CONTRACTOR SHALL PAY THE COST OF ALL FAILED TESTS.
- 17. THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR AT (530) 895-1422 AT LEAST 48 HOURS PRIOR TO BEGINNING OR RESUMING WORK, TRENCHING OR BACKFILLING OPERATIONS, AND CONCRETE REPLACEMENT.
- 18. THE CONTRACTOR SHALL COORDINATE ALL WORK ON THIS PROJECT WITH THE PUBLIC WORKS DIRECTOR AT (530) 865-1602. IN CASE OF EMERGENCY, THE CONTRACTOR SHALL NOTIFY THE CITY OF ORLAND POLICE DEPARTMENT OFFICE
- 19. LOW OVERHEAD POWER AND TELEPHONE FACILITIES EXIST ADJACENT TO THE PROJECT WORK AREA. THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO AVOID THE OVERHEAD FACILITIES, AND SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY DAMAGED FACILITIES.
- 20. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND IMPROVEMENTS WITHIN AND ADJACENT TO THE PROJECT AREA. ANY EXISTING UTILITIES OR IMPROVEMENTS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT
- 21. CONTRACTOR SHALL SAWCUT NEAT LINES THROUGH EXISTING ASPHALT, CONCRETE, SIDEWALKS, CURB AND GUTTER, CROSS GUTTER, DRIVEWAYS AND OTHER IMPROVEMENTS FOR THE INSTALLATION OF THE NEW WATER MAIN. SAWCUT MATERIALS SHALL BE REMOVED AND DISPOSED. NEW IMPROVEMENTS SHALL BE INSTALLED PER CITY OF ORLAND STANDARDS.
- 21. CONTRACTOR SHALL INSTALL BLUE REFLECTIVE MARKERS PER CITY STD. 301A

SALVAGED MATERIALS

- 1. 4" DIA. GATE VALVE (2 EA.)
- 2. 6" DIA. GATE VALVE (3 EA.)
- 3. 8" DIA. GATE VALVE (1 EA.)

No. 72209 ENIL

DECEMBER, 2025

PREPARED FOR

CITY OF ORLAND

RARROLLS ANDERSON & ROLLS CIVIL ENGINEERS 115 YELLOWSTONE DRIVE • CHICO, CALIFORNIA 95973-5811 • TELEPHONE 530-895-1422 4TH ST. AND 5TH ST. ALLEY WATER MAIN REPLACEMENT WATER MAIN IMPROVEMENT PLAN

DESIGNED **PWR** CAD CHECKED JIR DRAWING NO. 2 OF 4 JOB NO. 25002

