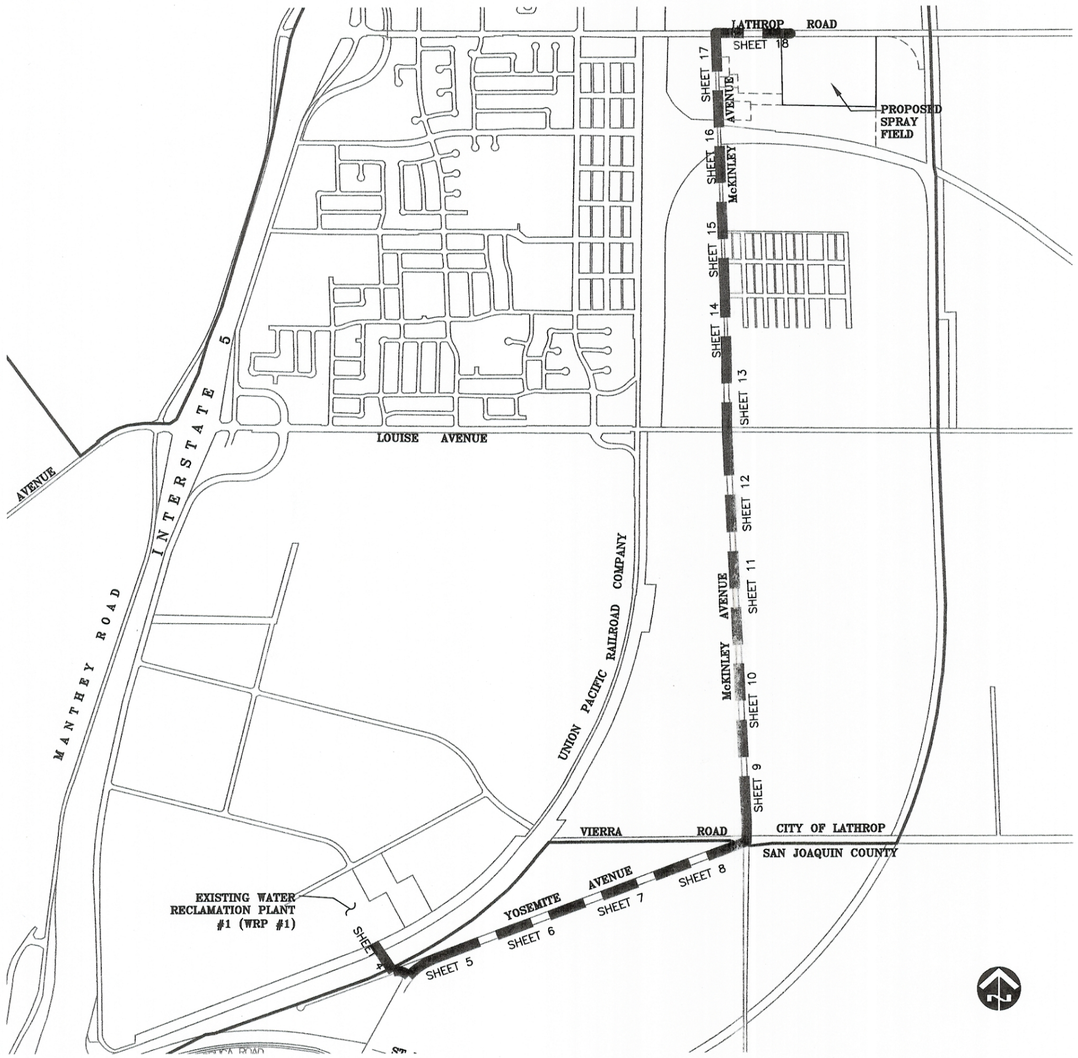
CITY OF LATHROP, CALIFORNIA
RECYCLED WATER FORCEMAIN
WRP#1 TO PROPOSED SPRAY FIELD

LEGEND

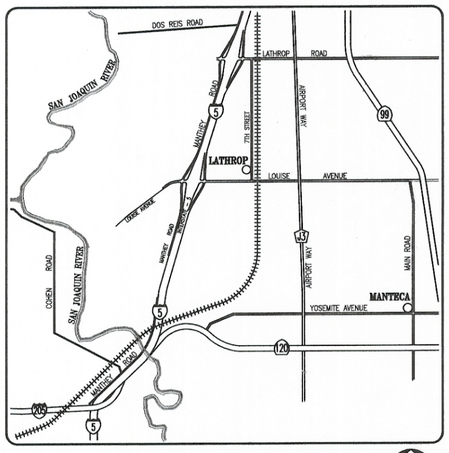
EXISTING	PROPOSED	
		RIGHT OF WAY / LOT LINE
		CENTERLINE
		CONTOUR LINE
		FACE OF CURB
		SANITARY SEWER & MANHOLE
		STORM DRAIN & INLET
		WATER LINE & VALVES
		STORM DRAIN MANHOLE
		FIRE HYDRANT WITH VALVE
		BLOWOFF
		ELECTROLIER
		SURVEY MONUMENT
		AIR/VACUUM VALVE
		BARRICADE
		WATER SERVICE
		POINT OF VERTICAL INTERSECTION (PVI ON PROFILES)
		RECLAIMED WATER MAIN
		SANITARY SEWER FORCE MAIN
		TEMPORARY BENCHMARK (TBM-1)
		HORIZONTAL CONTROL POINT (FLIGHT MARKER)
		RESTRAINED PIPE (PROFILE)

ABBREVIATIONS

AB – AGGREGATE BASE
AC – ASPHALT CONCRETE
ACP – ASBESTOS CEMENT PIPE
ARV – AIR RELEASE VALVE
BC – BEGINNING OF CURVE
BFV – BUTTERFLY VALVE
BNDY – BOUNDARY
BO – BLOWOFF
CAV – COMBINATION AIR VALVE
CB – CATCH BASIN
CL – CENTERLINE
CO – CLEANOUT
CR – CROWN
DI – DROP INLET
DIP – DUCTILE IRON PIPE
DW – DRIVEWAY
DWG – DRAWING
EC – END OF CURVE
EL – ELEVATION
EP – EDGE OF PAVEMENT
ER – END OF RETURN
EX – EXISTING
FC – FACE OF CURB
FG – FINISH GRADE
FH – FIRE HYDRANT
FL – FLOWLINE
FO – FIBER OPTIC LINE
GB – GRADE BREAK
GND – GROUND
HP – HIGH POINT
INV – INVERT
IRR – IRRIGATION
LP – LOW POINT
LT – LEFT
MED. – MEDIAN
MH – MANHOLE
MID PT – MIDPOINT
MJ – MECHANICAL JOINT
OH – OVERHEAD UTILITIES
PL – PROPERTY LINE
PKWY – PARKWAY
NTS – NOT TO SCALE
PRC – POINT OF REVERSE CURVATURE
PVI – POINT OF VERTICAL INTERSECTION
PVMT – PAVEMENT
PW – PROCESS WATER (EL PASO COGEN)
RP – RADIUS POINT
RT – RIGHT
R/W – RIGHT OF WAY
RW – RECYCLED WATER
SCAV – SEWER COMBINATION AIR VALVE
SD – STORM DRAIN
SS – SANITARY SEWER
SSFM – SANITARY SEWER FORCE MAIN
SB – SUB BASE
SVC – SERVICE
SW – SIDEWALK
TBO – TEMPORARY BLOWOFF
TC – TOP OF CURB
TI – TRAFFIC INDEX
TYP – TYPICAL
UPRR – UNION PACIFIC RAILROAD
VG – VALLEY GUTTER
W – WATER



SITE MAP
SCALE 1"=1000'



LOCATION MAP
N.T.S.

SHEET INDEX

SHEET	DWG NO	DESCRIPTION
1.	CO	COVER SHEET
2.	KY	GENERAL NOTES
3.	CD1	CONSTRUCTION DETAILS
4.	PP1	PLAN & PROFILE STA. 0+00 TO STA. 7+50
5.	PP2	PLAN & PROFILE STA. 7+50 TO STA. 16+50
6.	PP3	PLAN & PROFILE STA. 16+50 TO STA. 28+50
7.	PP4	PLAN & PROFILE STA. 28+50 TO STA. 40+50
8.	PP5	PLAN & PROFILE STA. 40+50 TO STA. 52+50
9.	PP6	PLAN & PROFILE STA. 52+50 TO STA. 64+50
10.	PP7	PLAN & PROFILE STA. 64+50 TO STA. 76+50
11.	PP8	PLAN & PROFILE STA. 76+50 TO STA. 88+50
12.	PP9	PLAN & PROFILE STA. 88+50 TO STA. 100+50
13.	PP10	PLAN & PROFILE STA. 100+50 TO STA. 113+00
14.	PP11	PLAN & PROFILE STA. 113+00 TO STA. 125+00
15.	PP12	PLAN & PROFILE STA. 125+00 TO STA. 137+00
16.	PP13	PLAN & PROFILE STA. 137+00 TO STA. 149+00
17.	PP14	PLAN & PROFILE STA. 149+00 TO STA. 160+00
18.	PP15	PLAN & PROFILE STA. 160+00 TO STA. 168+82.26

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

ENCROACHMENT PERMIT NO: EP 05-004-SE DATE ISSUED: 1/12/05 BY: [signature]

S.S.J.I.D.. ITS EMPLOYEES AND AGENTS ARE NOT RESPONSIBLE FOR VERIFICATION OF ELEVATIONS AND DIMENSIONS INDICATED ON PLANS NOR ANY ERRORS OR OMISSIONS THAT MAY BE PRESENT. APPROVAL IS SUBJECT TO THE DATA SHOWN WHICH APPEARS TO BE IN CONFORMITY WITH S.S.J.I.D. REQUIREMENTS FOR PROTECTION OF DISTRICT FACILITIES.

SO CONDITIONALLY APPROVED: _____
DATE: _____

CITY OF LATHROP
PUBLIC WORKS OPERATIONS

APPROVED BY: _____ DATE: _____
Public Works Supervisor

CITY OF LATHROP
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [signature] DATE: 12/22/04
Public Works Director RCE NO: C61415
EXP DATE: 6-30-06

INFORMATION REGARDING EXISTING SUBSURFACE IMPROVEMENTS AND UTILITIES SHOWN ON THESE PLANS WAS TAKEN FROM RECORD DATA KNOWN TO THE ENGINEER AND IS NOT MEANT TO BE A FULL CATALOG OF EXISTING CONDITIONS. MACKAY & SOMPS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH ARE NOT SHOWN ON THESE DRAWINGS. CONTRACTOR SHALL CONDUCT FIELD INVESTIGATIONS AS REQUIRED TO VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING SUBSURFACE IMPROVEMENTS AND UTILITIES (WHETHER SHOWN ON THESE PLANS OR NOT) PRIOR TO THE COMMENCEMENT OF WORK. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS IN THE FIELD AND INFORMATION SHOWN ON THESE PLANS. SHOULD A CONFLICT BE APPARENT, CONTRACT WILL CONTACT THE PARTIES RESPONSIBLE FOR RELOCATING OF CONFLICTING FACILITY.

UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

CELSOC
Consulting Engineers and Land Surveyors of California

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.

CELSOC
Consulting Engineers and Land Surveyors of California

WARNING • CAUTION
EXISTING UNDERGROUND UTILITIES
CONTACT: UNDERGROUND SERVICE ALERT
PHONE: (800) 642-2444
FOR MARKING PRIOR TO DIGGING

REGISTERED PROFESSIONAL ENGINEER ROBERT E. LASHELLS JR. 56,684 EXPIRES: 06-30-05 CIVIL STATE OF CALIFORNIA

REVISIONS	NO.	DESCRIPTION	CHECKED BY	CITY APPROVAL APPROVED BY	DATE

MACKAY & SOMPS
INFRASTRUCTURE GROUP
ENGINEERS • PLANNERS • SURVEYORS
SAN RAMON, CA. 94583
PH: (925) 901-1190 FAX: (925) 901-1195

DESIGNED UNDER THE SUPERVISION OF:
BY: [signature] 12/20/04
ROBERT E. LASHELLS JR.
EXPIRES: JUNE 30, 2005

OFFSITE PLANS
12" RECYCLED WATER LINE

COVER SHEET

DEPARTMENT OF PUBLIC WORKS
CITY OF LATHROP, CALIFORNIA

DATE: DECEMBER 2004
SCALE: SHOWN
DRAWN BY: JBM
DESIGNED BY: GSJ
CHECKED BY: RRB/REL

APPROVED BY: [signature] DATE: 12-22-04
CITY ENGINEER
LATHROP, CALIFORNIA

PROJECT NO. 11345-00
DRAWING NO. CO
SHEET 1 OF 18