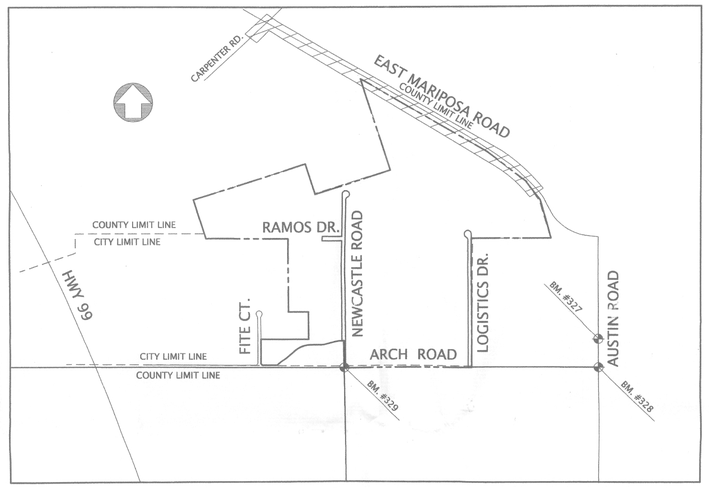
PS-09-2449

IMPROVEMENT PLANS
EAST MARIPOSA ROAD WATERLINE
OPUS WEST CORPORATION
STOCKTON, CALIFORNIA

LEGEND

DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER	6" SS	6" SS
STORM SEWER (AKA STORM DRAIN)	8" SD	8" SD
GAS LINE	4" G	4" G
WATER LINE	8" W	8" W
TELEPHONE	T	T
CABLE TELEVISION	TV	TV
GAS VALVE	G	G
WATER VALVE	W	W
ELECTRICAL CONDUIT	E	E
MATCH LINE	STA. 5+00	
MAINTENANCE HOLE		
CATCHBASIN		
GAS METER	G	G
WATER METER	W	W
CURB AND GUTTER		
SIDEWALK		
DRIVEWAY		
CONFORM PAVEMENT		
FIRE HYDRANT		
SIGN		
SANITARY SEWER CLEANOUT		
UTILITY POLE		
GUARD RAIL		
BARRICADE		
FENCE		
RAILROAD		
WHEELCHAIR RAMP		
SANITARY SEWER SERVICE	'TEE' CONECTION	
LAMPHOLE		
TRAFFIC SIGNAL		
ELECTRICAL TRANSFORMER		
POWER SOURCE	-PS-	-PS-
BLOW-OFF		
STREET LIGHT		



VICINITY MAP

NTS

SHEET INDEX

CIVIL

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CORROSION CONTROL PLANS

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BENCHMARK

BENCHMARK: CITY OF STOCKTON BENCHMARK NO. 327, A SAN JOAQUIN COUNTY BRASS DISK STAMPED "0-27.4" IN THE NORTHWEST CORNER OF BRIDGE NO. 1047 ON AUSTIN ROAD, APPROXIMATELY 580 FEET NORTH OF ARCH ROAD. ELEVATION=43.54 FEET (CITY OF STOCKTON 1996 ADJUSTED) NGVD29.

PIPE SIZES AND TYPES

WATER LINE PIPES	TYPE
OPTION 1	
DIAMETER	TYPE
24"	STEEL FABRICATED PIPE REFERENCE: AWWA C200, CLASS 150. (MIN 3/8" WALL)
OPTION 2	
	TYPE DUCTILE IRON, CLASS 200 REFERENCE: AWWA C151
OPTION 3	
	TYPE CONCRETE CYLINDER, CLASS 150 REFERENCE: AWWA C303 (MIN 1/4" WALL)

ABBREVIATIONS

AB	= AGGREGATE BASE
ABS	= ACRYLONITRILE-BUTADIENE-STYRENE PIPE
AC	= ASPHALT CONCRETE
ARV	= AIR RELEASE VALVE
BFV	= BUTTERFLY VALVE
BM	= BENCHMARK
BO	= BLOW-OFF VALVE
CALTRANS	= STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION
CF	= CUBIC FOOT (FEET)
CL.	= CLEAR
CONC.	= CONCRETE
CONST.	= CONSTRUCTION
COTG	= CLEANOUT TO GRADE
C-I-P	= CAST-IN-PLACE
CIPCP	= CAST-IN-PLACE CONCRETE PIPE
CVC	= CALIFORNIA VEHICLE CODE
C&G	= CURB & GUTTER
℄	= CENTERLINE
DETAIL X	= CALTRANS STRIPING DESIGNATION
DF	= DOUGLAS FIR
DIA.	= DIAMETER
DIP	= DUCTILE IRON PIPE
DIST.	= DISTANCE
DWY	= DRIVEWAY
ELEV.	= ELEVATION
E.P.	= EDGE OF PAVEMENT
EXIST.	= EXISTING
FC	= FACE OF CURB
℄	= FLOW LINE
GALV.	= GALVANIZED
HCR	= HANDICAP RAMP
HDPE	= CORRUGATED POLYETHYLENE NONPRESSURE PIPE
HPS	= HIGH PRESSURE SODIUM
HPG	= HIGH PRESSURE GAS
I.D.	= INSIDE DIAMETER
IE	= INVERT ELEVATION
I.P.	= IRON PIPE
LCC	= STOCKTON CITY CODE
LPD	= STOCKTON POLICE DEPARTMENT
LS	= REGISTERED LAND SURVEYOR
LSE	= LANDSCAPE EASEMENT
MAX.	= MAXIMUM
MECH	= MECHANICAL
MH	= MAINTENANCE HOLE
MIN.	= MINIMUM
MLCSP	= MORTAR-LINED AND MORTAR-COATED STEEL PIPE
MPH	= MILES PER HOUR
O.C.	= ON CENTER
O.D.	= OUTSIDE DIAMETER
PCC	= PORTLAND CEMENT CONCRETE
PE	= POLYETHYLENE PLASTIC PIPE
ℙ	= PROPERTY LINE
PT.	= POINT
PUE	= PUBLIC UTILITIES EASEMENT
PVC	= POLYVINYL CHLORIDE PIPE
PVCPP	= PVC PRESSURE PIPE
PVCSDNPP	= PVC STORM DRAIN NONPRESSURE PIPE
R	= RADIUS
RCE	= REGISTERED CIVIL ENGINEER
RCP	= REINFORCED CONCRETE PIPE
RCPP	= REINFORCE CONCRETE PRESSURE PIPE
RCP(PVCL)	= REINFORCED CONCRETE PIPE (PVC LINED)
REQ'D	= REQUIRED
RE	= RIM ELEVATION
(RT)	= RIGHT
R/W	= RIGHT OF WAY
"S"	= SLOPE
SD	= STORM DRAIN
SCH	= SCHEDULE
SQ.	= SQUARE
SS	= SANITARY SEWER
STD.	= STANDARD
SW	= SIDEWALK
SWE	= SIDEWALK EASEMENT
T	= TELEPHONE
TC	= TOP OF CURB
T.V.	= TELEVISION
TYP.	= TYPICAL
T&B	= TOP & BOTTOM
VCP	= VITRIFIED CLAY PIPE
W	= WATER
WRD	= WATER RESOURCES DIVISION
W\	= WITH
ø	= DIAMETER
FH	= FIRE HYDRANT
SL	= STREET LIGHT
IE	= INVERT ELEVATION
SSFM	= SANITARY SEWER FORCE MAIN
RW	= RECYCLED WATER
P.A.	= PLANTING AREA
D.G.	= DECOMPOSED GRANITE

CA: 1-800-227-2600
CALL BEFORE YOU DIG
USA UNDERGROUND SERVICE ALERT
CA: 1-800-227-2600
CALL TWO WORKING DAYS BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER CHARLES R. MCCALLUM No. 53447 Exp. 6-30-09 CIVIL STATE OF CALIFORNIA

PREPARED BY OR UNDER THE SUPERVISION OF CHARLES R MCCALLUM R.C.E. 53447 LICENSE EXPIRES: 6-30-09 — DATE 11-14-08

KIER & WRIGHT
CIVIL ENGINEERS & SURVEYORS, INC.
1233 Quarry Lane, Suite 145 (925) 249-6555
Pleasanton, California 94566 Fax (925) 249-6563

IMPROVEMENT PLANS
EAST MARIPOSA ROAD WATERLINE
COVER SHEET

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

REVISION NO.		DATE	BY	APPROVED

SCALE: AS SHOWN	APPROVED BY: RAMAN	DATE: 11/21/08	SHEET NO. C1
DESIGNED BY: CM			OF 19 SHEETS
DRAWN BY: CFJ			PROJECT NO. A07567
CHECKED BY: CM	CITY ENGINEER STOCKTON, CALIFORNIA		
RECORD DWG:			

5085C

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