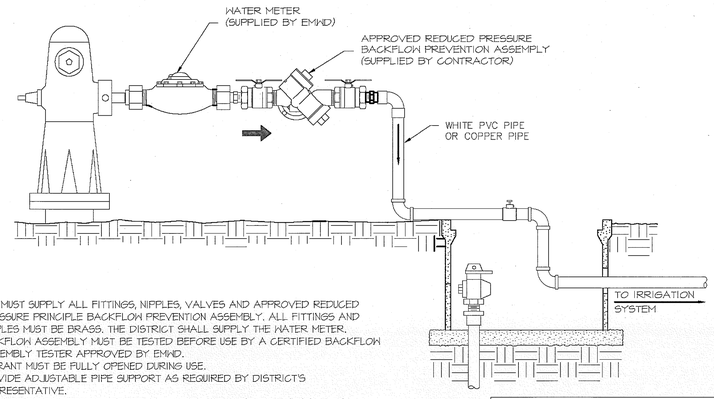
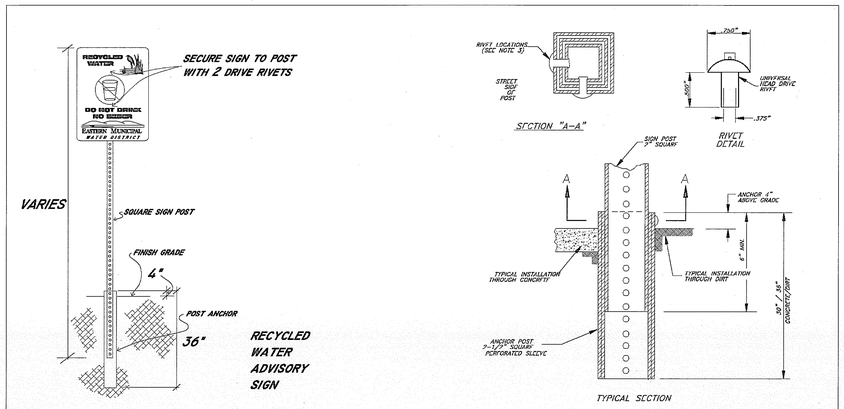


NOTES:
1) USER MUST SUPPLY ALL FITTINGS, NIPPLES, VALVES AND APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY. ALL FITTINGS AND NIPPLES MUST BE BRASS. THE DISTRICT SHALL SUPPLY THE WATER METER.
2) BACKFLOW ASSEMBLY MUST BE TESTED BEFORE USE BY A CERTIFIED BACKFLOW ASSEMBLY TESTER APPROVED BY EMWD.
3) HYDRANT MUST BE FULLY OPENED DURING USE.
4) PROVIDE ADJUSTABLE PIPE SUPPORT AS REQUIRED BY DISTRICT'S REPRESENTATIVE.
5) PRESSURE REGULATOR, IF NEEDED, SHALL BE INSTALLED DOWNSTREAM OF BACKFLOW PREVENTOR ASSEMBLY. USE COPPER PIPE.

SAMPLE IRRIGATION DETAIL

TEMPORARY HI-LINE POTABLE WATER SERVICE CONNECTION

J TEMPORARY HI-LINE POTABLE WATER SERVICE CONNECTION — NO SCALE



NOTES:
1) SQUARE POST SHALL BE PERFORATED STEEL TUBE POSTS WITH TWO PIECE ANCHOR AND "TELESPAR" SLEEVE. THE ANCHOR AND SLEEVE ASSEMBLY SHALL CONSIST OF A 2 1/2" SQUARE BY 30" (THROUGH SIDEWALK) OR 36" (THROUGH SOIL) ANCHOR WITH A 2 1/4" SQUARE BY 18" SLEEVE.
2) THE NUMBER OF SIGNS, THEIR LOCATIONS, AND HEIGHTS SHALL BE PER EMWD REQUIREMENTS AND AS DIRECTED BY THE DISTRICT REPRESENTATIVE. AT A MINIMUM SIGNS SHALL BE LOCATED AT ALL PROJECT ENTRIES AND AT EACH METER CONNECTION AND MUST ALWAYS BE VISIBLE.
3) ANCHOR AND SLEEVE ASSEMBLIES SHALL BE DRIVEN SIMULTANEOUSLY UNTIL 4" REMAINS ABOVE GROUND LEVEL. INSTALL THE 2" GALVANIZED SQUARE SIGN POST MINIMUM 6" INTO THE ANCHOR ASSEMBLY AND SECURE IN PLACE WITH TWO 3/8" DRIVE RIVETS AS SHOWN. THE RIVETS SHALL BE INSTALLED ON THE SIDE FACING TRAFFIC FLOW AND THE SIDE OF APPROACHING TRAFFIC AS SHOWN.
4) ANCHOR ASSEMBLY SHALL NEVER BE SECURED IN CONCRETE FOOTING.
5) ADVISORY SIGN CAN BE PURCHASED FROM EMWD AT (951) 928-3777 EXT 4412.

SAMPLE IRRIGATION DETAIL

RECYCLED WATER IRRIGATION ADVISORY SIGN

D RECYCLEC WATER IRRIGATION ADVISORY SIGN — NO SCALE

△

IRRIGATION SYSTEM PRESSURE REQUIREMENTS FOR:		PERRIS VALLEY - BLD	
PRESSURE LOSSES BASED ON THE FOLLOWING: CALCULATIONS FOR RCV I-1			
STATIC WATER PRESSURE:			35.00
DESCRIPTION		G.P.M.	LOSS
RCV	A-1	63.00	
RCV	B-1	59.00	
RCV	C-1	59.00	
RCV	D-1	59.00	
RCV	E-1	62.00	
RCV	F-1	66.00	
RCV	G-1	55.00	
RCV	H-1	50.00	
RCV	I-1	50.00	
RCV	J-1	63.00	
RCV	K-1	56.00	
RCV	L-1	78.00	
TOTAL FLOW		720.00	
WATER METER	2-4"	720.00	-3.56
SERVICE LINE	0	720.00	0.00
MASTER VALVE	6"	720.00	-2.45
R. P. BACKFLOW	N/A	78.00	0.00
CONTROL VALVE	2"	720.00	-2.60
FLOW METER	3"	720.00	-1.00
FILTER	6"		-2.00
HEAD PRESSURE REQD.			-60.00
MAIN LINE			-15.53
LATERAL			-5.17
MISC. IS 10% OF TOTAL LOSSES			-8.98
ELEVATION CHANGE			-5.20
TOTAL PRESSURE REQUIRED			-106.48
PRESSURE BOOST REQUIRED			71.48

IRRIGATION SYSTEM PRESSURE REQUIREMENTS FOR:		PERRIS VALLEY - BLD	
PRESSURE LOSSES BASED ON THE FOLLOWING: CALCULATIONS FOR RCV H -1			
STATIC WATER PRESSURE:			35.00
DESCRIPTION		G.P.M.	LOSS
RCV	A-1	63.00	
RCV	B-1	59.00	
RCV	C-1	59.00	
RCV	D-1	59.00	
RCV	E-1	62.00	
RCV	F-1	66.00	
RCV	G-1	55.00	
RCV	H-1	50.00	
RCV	I-1	50.00	
RCV	J-1	63.00	
RCV	K-1	56.00	
RCV	L-1	78.00	
TOTAL FLOW		720.00	
WATER METER	2-4"	720.00	-3.56
SERVICE LINE	0	720.00	0.00
MASTER VALVE	6"	720.00	-2.45
R. P. BACKFLOW	N/A	78.00	0.00
CONTROL VALVE	2"	720.00	-2.60
FLOW METER	3"	720.00	-1.00
FILTER	6"		-2.00
HEAD PRESSURE REQD.			-60.00
MAIN LINE			-11.84
LATERAL			-5.17
MISC. IS 10% OF TOTAL LOSSES			-8.61
ELEVATION CHANGE			-5.20
TOTAL PRESSURE REQUIRED			-102.42
PRESSURE BOOST REQUIRED			67.41

IRRIGATION SYSTEM PRESSURE REQUIREMENTS FOR:		PERRIS VALLEY - BLD	
PRESSURE LOSSES BASED ON THE FOLLOWING: CALCULATIONS FOR RCV F-1			
STATIC WATER PRESSURE:			35.00
DESCRIPTION		G.P.M.	LOSS
RCV	A-1	63.00	
RCV	B-1	59.00	
RCV	C-1	59.00	
RCV	D-1	59.00	
RCV	E-1	62.00	
RCV	F-1	66.00	
RCV	G-1	55.00	
RCV	H-1	50.00	
RCV	I-1	50.00	
RCV	J-1	63.00	
RCV	K-1	56.00	
RCV	L-1	78.00	
TOTAL FLOW		720.00	
WATER METER	2-4"	720.00	-3.56
SERVICE LINE	0	720.00	0.00
MASTER VALVE	6"	720.00	-2.45
R. P. BACKFLOW	N/A	78.00	0.00
CONTROL VALVE	2"	720.00	-2.60
FLOW METER	3"	720.00	-1.00
FILTER	6"		-2.00
HEAD PRESSURE REQD.			-60.00
MAIN LINE			-9.62
LATERAL			-5.17
MISC. IS 10% OF TOTAL LOSSES			-8.39
ELEVATION CHANGE			-5.20
TOTAL PRESSURE REQUIRED			-99.98
PRESSURE BOOST REQUIRED			64.98

EMWD Construction Note

EASTERN MUNICIPAL WATER DISTRICT REQUIRES THAT A PRE-CONSTRUCTION CONFERENCE BE SCHEDULED PRIOR TO ANY CONSTRUCTION BY CALLING THE EASTERN MUNICIPAL WATER DISTRICT FIELD ENGINEERING DEPARTMENT AT (951) 928-3777, EXTENSION 4830.

Omission Statement

THERE ARE NO , DECORATIVE FOUNTAINS, OUTDOOR EATING AREAS, OR WELLS ON THE SITE.
DRINKING WATER FOUNTAINS, DESIGNATED OUTDOOR EATING AREAS, PLAY AREAS, RESTAURNTS & RESTROOMS SHALL BE PROTECTED AGAINST CONTACT WITH RECYCLED WATER SPRAY, MIST, OR RUN-OFF. THE POTABLE WATERLINE SUPPLYING THE DRINKING FOUNTAIN MUST HAVE A WARNING BLUE COLORED TAPE IDENTIFYING IT AS A POTABLE WATERLINE AND STATING "CAUTION: BURIED WATERLINE BELOW" INSTALLED OVER IT.

Potable and Recycled Water Separation Note

RECYCLED MAINLINE (CONSTANT PRESSURE) SHOWN DIAGRAMMATICALLY FOR CLARITY ONLY. ACTUAL LOCATION MUST PROVIDE A MINIMUM FOUR (4) FEET HORIZONTAL CLEARANCE BETWEEN ALL POTABLE AND CONSTANT PRESSURE RECYCLED WATERLINES. RECYCLED WATER MAINLINE SHOULD BE INSTALLED UNDER POTABLE WATERLINES AND MAINTAIN ONE (1) FOOT OF VERTICAL CLEARANCE. WHERE THE RECYCLED WATER CONSTANT PRESSURE LINE MUST BE INSTALLED ABOVE THE POTABLE WATERLINE, A FOUR (4) INCH MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER PRESSURE LINE MUST BE INSTALLED IN A CONTINUOUS PVC CLASS 1200 PIPE OR GREATER SLEEVE WHICH EXTENDS A MINIMUM OF TEN (10) FEET EACH SIDE OF THE POTABLE WATERLINE.

E EMWD SPECIAL NOTES — NO SCALE

Underground Service Alert
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

MOORE IACOFANO GOLTSMAN, INC.
801 HARBOR BLVD.
FULLERTON, CA 92832
TEL 714/871-3638
FAX 714/871-1188
www.migcom.com

DATE	BY	MARK	DESCRIPTION	APPR.	DATE
ENGINEER			REVISIONS	EMWD	

ON-SITE RECYCLED WATE APPROVAL BY:
EASTERN MUNICIPAL WATER DISTRICT
CIVIL ENGINEER OF SUBDIVISIONS — DATE

APPROVALS		INITIAL	DATE
	PROJECT ENGR.		
	OPERATION		
	W.O.	S.A.	COORD.

COUNTY OF "RIVERSIDE"

APN-327-190-019
RECYCLED WATER LANDSCAPE IMPROVEMENT PLANS
PERRIS VALLEY BIG LEAGUE DREAMS
DETAIL SHEET

W.O. 12211
I.D. 98
S.A. 37
COORD. 370-43
SHT. LI-2.4 OF 15
SO
D-

MOORE IACOFANO GOLTSMAN, INC.
801 HARBOR BLVD.
FULLERTON, CA 92832
TEL 714/871-3638
FAX 714/871-1188
www.migcom.com

BILL L. WILLIAMS
IRRIGATION DESIGN & CONSULTANT
2518 E. Roberta Dr. Orange, Ca. 92867
CELL 714-504-1255, FAX 714-997-0544
billwilliamsidc.com e-mail

PROJECT TEAM:
LANDSCAPE ARCHITECT
MIG INC.

ARCHITECT
PITASSI ARCHITECTS INC.

CIVIL ENGINEERS/SURVEYOR
WALDEN & ASSOCIATES

STRUCTURAL ENGINEERS
CORREIA CONSULTING & DESIGN

ELECTRICAL ENGINEERS
LRA ENGINEERS

IRRIGATION DESIGNER
WILLIAMS IRRIGATION DESIGN

GEOTECHNICAL ENGINEERS
CONVERSE CONSULTANTS

TURF GRASS CONSULTANT
GUISE AND ASSOCIATES

PERRIS VALLEY Big League Dreams

2155 Trumble Road
Perris, California, 92570

SHEET TITLE
IRRIGATION DETAILS

100% CONSTRUCTION DOCUMENT

DATE	REVISIONS

STAMP

LANDSCAPE ARCHITECT
BRIAN W. LANG 4421
9-30-09
REGISTRATION EXPIRATION DATE
STATE OF CALIFORNIA

CHECKED BY	DATE
BLW	07-22-09

DATE	FILE NAME
07-30-09	
DRAWN BY: BLW	SHEET: LI-2.4
JOB NO. 05208.00	
SCALE: NO SCALE	284 OF 313 SHEETS