IRRIGATION CONTROLLER OPERATION SCHEDULE

THE SCHEDULE AS POSTED BELOW IS A STARTING POINT FOR THE SCHEDULING OF THE IRRIGATION CONTROLLERS. THIS SCHEDULE IS BASED ON THE AVERAGE IRRIGATION REQUIREMENT FOR ET ZONE 16 AS DEFINED BY APPENDIX "A" HISTORICAL VALUES IN EVAPOTRANSPIRATION VALUES FOR CALIFORNIA. THE TIMING AS POSTED BELOW SHALL BE ADJUSTED AS SITE CONDITIONS DICTATE.

THE IRRIGATION SYSTEM HAS BEEN DESIGNED TO START THE IRRIGATION SEQUENCE FOR ALL 12 IRRIGATION CONTROLLERS AT SAME TIME. THIS WILL ALOW THE IRRIGATION SYSTEM TO OPERATE FOR 6 HOURS EXCLUDING THE TIME FOR BUBBLE HEADS AND EMITTERS.

			MONTHS OF OPERATION		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	TOTAL / YEAR
	DESIRED	MO.APPL.	MONTHLY EVAP. RATE		1.55	2.52	4.03	5.7	7.75	8.7	9.3	8.37	6.3	4.34	2.4	1.55	62.51
CONTROLL	VALVE #	HD. TYPE	SPR. PR.	DAYS OPER	stat.op/time												
A	1	ROT-PC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
A	2	ROT-PC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
A	3	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
A	4	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
A	5	BUBBLER	2.6	6	1	2	4	5	7	8	9	8	6	4	2	1	
A	6	BUBBLER	2.6	6	1	2	4	5	7	8	9	8	6	4	2	1	
A	7	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
A	8	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
A	9	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
A	10	ROT-PC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
A	11	ROT-PC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
A	12	ROT-PC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
A	13	ROT-PC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
A	14	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
A	15	BUBBLER	2.6	6	1	2	4	5	7	8	9	8	6	4	2	1	
A	16	EMITTER	100	6	0	0	0	0	0	0	0	0	0	0	0	0	
A	17	BUBBLER	2.6	6	1	2	4	5	7	8	9	8	6	4	2	1	
A	18		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
A	19		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
A	20		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
A	21		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
A	22		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
A	23		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
A	24		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL HOURS OF OPERATION				1.0	1.6	2.6	3.7	5.0	5.6	6.0	5.4	4.0	2.8	1.5	1.0	
	GALLONS REQUIRED PER MONTH				3273.08	5321.39	8510.00	12036.47	16365.38	18371.46	19638.46	17674.61	13303.47	9164.61	5067.99	3273.08	

THE TIMES AS POSTED ABOVE ARE TO BE USED AS A GUIDE AND WILL HAVE TO BE ADJUSTED FOR SITE CONDITIONS.

			MONTHS OF OPERATION		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	TOTAL / YEAR
	DESIRED	MO.APPL.	MONTHLY EVAP. RATE		1.55	2.52	4.03	5.7	7.75	8.7	9.3	8.37	6.3	4.34	2.4	1.55	62.51
CONTROLL	VALVE #	HD. TYPE	SPR. PR.	DAYS OPER	stat.op/time												
B	1	ROT-PC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
B	2	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
B	3	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
B	4	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
B	5	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
B	6	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
B	7	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
B	8	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
B	9	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
B	10	ROT-PC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
B	11		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
B	12		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
B	24		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL HOURS OF OPERATION				0.9	1.4	2.3	3.2	4.4	4.9	5.3	4.7	3.6	2.5	1.4	0.9	

THE TIMES AS POSTED ABOVE ARE TO BE USED AS A GUIDE AND WILL HAVE TO BE ADJUSTED FOR SITE CONDITIONS.

			MONTHS OF OPERATION		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	TOTAL / YEAR
	DESIRED	MO.APPL.	MONTHLY EVAP. RATE		1.55	2.52	4.03	5.7	7.75	8.7	9.3	8.37	6.3	4.34	2.4	1.55	62.51
CONTROLL	VALVE #	HD. TYPE	SPR. PR.	DAYS OPER	stat.op/time												
C	1	ROT-PC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
C	2	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
C	3	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
C	4	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
C	5	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
C	6	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
C	7	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
C	8	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
C	9	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
C	10	ROT-PC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
C	11	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
C	12		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
C	13		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
C	14		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
C	15		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
C	16		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL HOURS OF OPERATION				0.9	1.5	2.4	3.4	4.6	5.2	5.5	5.0	3.7	2.6	1.4	0.9	

THE TIMES AS POSTED ABOVE ARE TO BE USED AS A GUIDE AND WILL HAVE TO BE ADJUSTED FOR SITE CONDITIONS.

			MONTHS OF OPERATION		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	TOTAL / YEAR
	DESIRED	MO.APPL.	MONTHLY EVAP. RATE		1.55	2.52	4.03	5.7	7.75	8.7	9.3	8.37	6.3	4.34	2.4	1.55	62.51
CONTROLL	VALVE #	HD. TYPE	SPR. PR.	DAYS OPER	stat.op/time												
D	1	ROT-PC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
D	2	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
D	3	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
D	4	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
D	5	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
D	6	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
D	7	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
D	8	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
D	9	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
D	10		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
D	11		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
D	12		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL HOURS OF OPERATION				0.8	1.4	2.2	3.1	4.2	4.7	5.0	4.5	3.4	2.3	1.3	0.8	

THE TIMES AS POSTED ABOVE ARE TO BE USED AS A GUIDE AND WILL HAVE TO BE ADJUSTED FOR SITE CONDITIONS.

			MONTHS OF OPERATION		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	TOTAL / YEAR
	DESIRED	MO.APPL.	MONTHLY EVAP. RATE		1.55	2.52	4.03	5.7	7.75	8.7	9.3	8.37	6.3	4.34	2.4	1.55	62.51
CONTROLL	VALVE #	HD. TYPE	SPR. PR.	DAYS OPER	stat.op/time												
E	1	ROT-PC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
E	2	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
E	3	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
E	4	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
E	5	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
E	6	ROT-PC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
E	7	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
E	8	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
E	9	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
E	10	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
E	11	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
E	12	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
	TOTAL HOURS OF OPERATION				1.0	1.7	2.7	3.8	5.1	5.7	6.1	5.5	4.2	2.9	1.6	1.0	

THE TIMES AS POSTED ABOVE ARE TO BE USED AS A GUIDE AND WILL HAVE TO BE ADJUSTED FOR SITE CONDITIONS.

			MONTHS OF OPERATION		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	TOTAL / YEAR
	DESIRED	MO.APPL.	MONTHLY EVAP. RATE		1.55	2.52	4.03	5.7	7.75	8.7	9.3	8.37	6.3	4.34	2.4	1.55	62.51
CONTROLL	VALVE #	HD. TYPE	SPR. PR.	DAYS OPER	stat.op/time												
F	1	ROT-PC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
F	2	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
F	3	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
F	4	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
F	5	ROT-FC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
F	6	ROT-PC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
F	7	ROT-PC	0.6	6	6	11	17	24	32	36	39	35	26	18	10	6	
F	8	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
F	9	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
F	10	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
F	11	SPRAY	1.6	6	2	4	6	9	12	14	15	13	10	7	4	2	
F	12		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
F	13		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
F	14		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
F	15		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
F	16		100	6	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL HOURS OF OPERATION				0.9	1.5	2.4	3.4	4.6	5.2	5.5	5.0	3.7	2.6	1.4	0.9	

THE TIMES AS POSTED ABOVE ARE TO BE USED AS A GUIDE AND WILL HAVE TO BE ADJUSTED FOR SITE CONDITIONS.

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 200 PIPE OR GREATER SLEEVE WHICH EXTENDS A MINIMUM OF TEN (10) FEET EACH SIDE OF THE POTABLE WATERLINE.

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

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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

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BILL L.WILLIAMS
IRRIGATION DESIGN & CONSULTANT
2518 E. Roberta Dr. Orange, Ca. 92869
CELL 714-309-9833, FAX 714-997-0344
bill@williamsidc.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
LICENSED LANDSCAPE ARCHITECT
STEVEN N. LANG NO. 1711
SIGNATURE 11-30-10
RENEWAL DATE 07-07-10
DATE
STATE OF CALIFORNIA

CHECKED BY BLW
DATE 07-22-09
DATE 07-30-09
FILE NAME
DRAWN BY BLW
SHEET LI-2.6
JOB NO. 05208.00
SCALE NO SCALE
286 OF 313 SHEETS