IRRIGATION LEGEND:

SYMBOL	MANUF.	MODEL	NOZZEL	DEGREES	TYPE	GPM	PSI	RAD
	RAINBIRD	1806-SAM-PRS-NPCAP	-5F	360	POP-UP	.41	30	5'
			-5H	180		.20	30	5'
			-4 VAN	VARIABLE		.45	30	5'
			-5Q	90		.10	30	5'
			-U-8F	360		1.05	30	8'
			-U-8H	180		.52	30	8'
			-8 VAR	VARIABLE		1.19	30	8'
			-U-8Q	90		.26		
			-U-10F	360		1.64	30	10'
			-U-10H	180		.82	30	10'
			-10 VAR	VARIABLE		1.45	30	10'
			-U-10Q	90		.41	30	10'
			-U-12F	360		2.6	30	12'
			-U-12H	180		1.3	30	12'
			-12 VAR	VARIABLE		1.3	30	12'
			-U-12Q	90		.65	30	12'
			-U-15F	360		3.70	30	15'
			-U-15H	180		1.85	30	15'
			-15 VAR	VARIABLE		1.85	30	15'
			-U-15Q	90		.92	30	15'
			-PA-80-1402	360		.50	30	0'
	RAINBIRD	1812-SAM-PRS-NPCAP	-5F	360	POP-UP	.41	30	5'
			-5H	180		.20	30	5'
			-4 VAN	VARIABLE		.45	30	5'
			-5Q	90		.10	30	5'
			-U-8F	360		1.05	30	8'
			-U-8H	180		.52	30	8'
			-8 VAR	VARIABLE		1.19	30	8'
			-U-8Q	90		.26	30	8'
			-U-10F	360		1.64	30	10'
			-U-10H	180		.82	30	10'
			-10 VAR	VARIABLE		1.45	30	10'
			-U-10Q	90		.41	30	10'
			-U-12F	360		2.6	30	12'
			-U-12H	180		1.3	30	12'
			-12 VAR	VARIABLE		1.3	30	12'
			-U-12Q	90		.65	30	12'
			-U-15F	360		3.70	30	15'
			-U-15H	180		1.85	30	15'
			-15 VAR	VARIABLE		1.85	30	15'
			-U-15Q	90		.92	30	15'
	HUNTER	PCB	-PCN-25-R	FLOOD	SHRUB HD.	.25	30	0'
	HUNTER	PROS-02-CV-R	-PCN-25-R	FLOOD	POP-UP	.25	30	0'

*NOTE:
1. USE VARIABLE ARC NOZZLES TO KEEP WATER OFF WALK, CONCRETE. ETC.
2. NOZZLES SHOWN ON LEGEND MAY NOT BE USED ON PLAN.

SYMBOL	MANUF.	MODEL	NOZZEL	PATTERN	TYPE	GPM	PSI	RAD.	SPACING
	RAINBIRD	1806-SAM-PRS-NPCAP	R13-18-F	360	ROTORY NOZZLE	1.60	30	16	16'
	RAINBIRD		R13-18-V	VAR.		1.3	30	16	16'
	RAINBIRD		R13-18-H	180		.80	30	16	16'
	RAINBIRD		R13-18-Q	90		.40	30	16	16'
	RAINBIRD		R17-24-F	360		3.0	30	21	21'
	RAINBIRD		R17-24-V	VAR.		2.25	30	21	21'
	RAINBIRD		R17-24-H	180		1.5	30	21	21'
	RAINBIRD		R17-24-Q	90		.75	30	21	21'
25	RAINBIRD	5004-FC-SAM-R-NP-SS-	MPR-25-F	360	ROTOR	4.44	60	25'	25'
25	RAINBIRD	5004-PC-SAM-R-NP-SS-	MPR-25-H	180	ROTOR	2.31	60	25'	25'
25	RAINBIRD		MPR-25-Q	90	ROTOR	1.16	60	25'	25'
30	RAINBIRD	5004-FC-SAM-R-NP-SS-	MPR-30-F	360	ROTOR	6.65	60	30'	30'
30	RAINBIRD	5004-PC-SAM-R-NP-SS-	MPR-30-H	180	ROTOR	3.45	60	30'	30'
30	RAINBIRD		MPR-30-Q	90	ROTOR	1.62	60	30'	30'
35	RAINBIRD	5004-FC-SAM-R-NP-SS-	MPR-35-F	360	ROTOR	8.81	60	35'	35'
35	RAINBIRD	5004-FC-SAM-R-NP-SS-	MPR-35-H	180	ROTOR	4.42	60	35'	35'
35	RAINBIRD		MPR-35-Q	90	ROTOR	2.22	60	35'	35'
10 SS	RAINBIRD	5505-SS-NP-	10	360	ROTOR	9.7	60	51'	40'
5 SS	RAINBIRD	5505-SS-NP-	5	180	ROTOR	4.8	60	42'	40'
2	RAINBIRD	5004-PL-PC-SAM-SS-	2.0	90	ROTOR	2.41	60	35'	40'
12	RAINBIRD	5505-SS-NP-	12	360	ROTOR	12.3	60	51'	45'
6 HS	RAINBIRD	F4-PC-SS-HS-NP	6	180	ROTOR	6.2	60	47'	45'
4	RAINBIRD	5505-SS-NP-	4	90	ROTOR	3.6	60	45'	45'
16	RAINBIRD	F4-FC-SS-HS-NP-	16	360	ROTOR	15.7	60	55'	50'
8	RAINBIRD	F4-FC-SS-NP-	8	180	ROTOR	8.2	60	51	50'
5	RAINBIRD	F4-FC-SS-NP-	5	180	ROTOR	4.0	60	41	50'
18	RAINBIRD	F4-FC-SS-HS-NP-	18	360	ROTOR	17.2	60	59'	55'
10	RAINBIRD	F4-FC-SS-NP-	10	180	ROTOR	10.0	60	55'	55'
6	RAINBIRD	F4-FC-SS-NP-	6	90	ROTOR	6.1	60	47'	55'
22	RAINBIRD	8005-SS-NP-	22	180/90	ROTOR	23.2	60	71'	--

F FULL CIRCLE COVERAGE PATTERN
H HALF CIRCLE COVERAGE PATTERN
Q QUARTER CIRCLE COVERAGE PATTERN

EQUIPMENT LEGEND:

SYMBOL	MANUF.	MODEL	DESCRIPTION
	WATTS	C813-NC-CLASSIC SERIES	LINE SIZE, NORMALLY CLOSED, EPOXY COATED CAST IRON PRESSURE REDUCING/SOLENOID/SURGE RELIEF MASTER VALVE
	NETAFIM	LVCZ10075-LF	1" PLASTIC REMOTE CONTROL VALVE W/ PRESSURE REGULATING MODULE & TECHFILTER.
	RAINBIRD	GB-PRS-D SERIES	BRASS REMOTE CONTROL VALVE W/ PRESSURE REGULATING MODULE, SIZE AS NOTED ON PLANS. REFER TO IRRIGATION NOTES NOTE #15 FOR INSTALLATION.
	NIBCO	T-580-70	BRONZE BALL VALVE WITH SCREW BONNET FOR SIZES 2-1/2" AND SMALLER (SIZE PER MAINLINE LINE SIZE)
	LEEMCO	LMV SERIES	CAST IRON GATE VALVE- NON-RISING STEM - RESILIENT WEDGE, ALL DUCTILE IRON PARTS SHALL BE COATED WITH 14-16 MIL FUSION BONDED EPOXY THAT EXCEEDS AWWA C550 STANDARDS. FOR SIZES 3" & LARGER (SIZE PER MAINLINE LINE SIZE)
	NETAFIM	TLSOV	TECHLINE CV MANUAL FLUSH VALVE TO BE INSTALLED AS PER DETAIL IN DETAIL SHEET.
	NESLON	#7645	1" QUICK COUPLER VALVE WITH ACME THREAD & PURPLE RUBBER LOCK COVER
F	RAINBIRD	FS-300	FLOW SENSOR SUPPLIED WITH THE IRRIGATION CONTROLLER SHALL BE TEE MOUNTED SENSOR AND A RAIN BIRD PULSE TRANSMITTER #PT322 PRE-WIRED TO A TERMINAL STRIP.
P	MUNRO	SCSUL0907-5085240480	FOR PERFORMANCE SPECIFICATION AND OTHER INFORMATION SEE BOOSTER STATION SPECIFICATIONS. STATION SHALL START WITH A FLOW START.
B	ORIVAL FILTERS	ORC-06LRV	6" FLANGED BASKET STRAINER W/ 60 STAINLESS STEEL MONEL SCREEN. CONTRACTOR SHALL SUBMITT TO EMWD MANUFACTURERS CUT SHEETS PRIOR TO APPROVAL. SEE PUMP DETAIL FOR INSTALLATION.
AR	CRISPIN	IC-10	1" AIR RELEASE VALVE TO BE INSTALLED AS PER DETAIL SHEET.
PB	BROOKS	1419-2B	PULL BOXES (PB) SHALL BE GREEN PLASTIC RECTANGULAR VALVE BOX WITH BOLT DOWN LID WHEN LOCATED IN PLANTING. PULL BOXES LOCATED IN CONCRETE TO BE #3 BROOKS CONCRETE VALVE BOX WITH LOCKING LID OR EQUAL. PLASTIC PULL BOX SHALL BE BRANDED WHILE CONCRETE BOXES SHALL BE PERMINITLY MARKED WITH 2" HIGH LETTERS "PB".
M	SENSUS	W-1000 DRS	4" WATER METER SHALL BE PROVIDED BY IRRIGATION CONTRACTOR. IRRIGATION CONTRALL SHALL SUBMITT TO EMWD CUT SHEETS OF WATER METER.
WS	RAINBIRD	WSPRO2DC	WEATHER STATION SHALL BE INSTALLED PER DETAIL "J" SHEET LI-2.2. INSTALLATION SHALL BE AS PER MANUFACTURERS SPECIFICATIONS.
RWS	---	---	RECYCLED WATER SIGN APPROVED BY EMWD. FINAL LOCATION AND NUMBER OF SIGN SHALL BE PER EMWD APPROVAL.

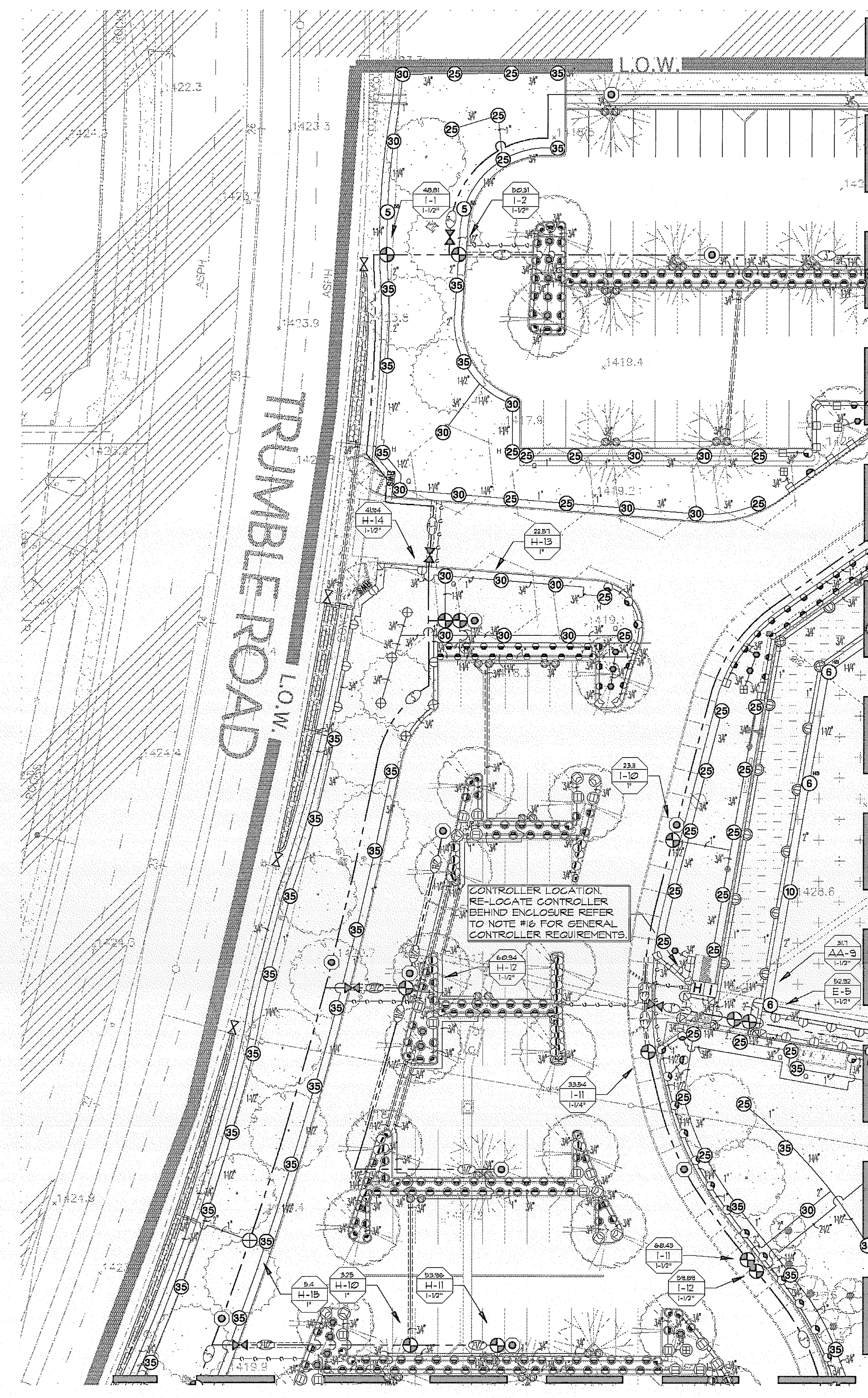
SYMBOL	PIPE TYPE	DESCRIPTION
	P.V.C. SCH 40 IPS PLASTIC PIPE PURPLE PIPE	NON-PRESSURE LATERAL LINE WITH MINIMUM SIZE OF 3/4" & SCH. 40 FITTINGS. THREADED FITTINGS SHALL BE SCH. 40 (SIZE PER PLAN)
	TECHLINE CV BY NETAFIM	NETAFIM DRIP LINE WITH BUILT IN CHECK VALVE HAVING A FLOW OF .6 GPH EMITTER W/ MAXIMUM 18" BETWEEN ROWS & DRIPPER SPACING ON TECHLINE OF 12" O.C. SEE EMITTER NOTES FOR INSTALLATION.
	P.V.C. SCH 40 IPS PLASTIC PIPE	SLEEVE FOR NON-PRESSURE LATERAL LINE (TWO X THE DIA. OF PIPE)
	P.V.C. SCH 40 IPS PLASTIC PURPLE PIPE	PRESSURE MAINLINE 1-1/2" AND SMALLER. THREADED FITTINGS SHALL BE SCH. 40 (SIZE PER PLAN)
	P.V.C. CLASS 315 IPS PLASTIC PURPLE PIPE	PRESSURE MAINLINE 2" AND 3" THREADED FITTINGS SHALL BE SCH. 40 (SIZE PER PLAN). 24" MIN. TRENCH DEPTH
	P.V.C. CLASS 200RT IPS PLASTIC RUBBER O-RING GASKETED PURPLE PIPE	PRESSURE MAINLINE 4" AND LARGER. ALL FITTINGS SHALL BE DUCTILE IRON UTILIZING THE LEEMCO JOINT RESTRAINT SYSTEM. SEE NOTE #15 UNDER IRRIGATION NOTES & SPECIFICATIONS. NOTE: MAINLINE SHALL HAVE A MINIMUM COVER AS FOLLOWS: 6" AND LARGER TO BE 36", 3" & 4" TO BE 24", 2-1/2 AND SMALLER SHALL BE 18".
	P.V.C. SCH 40 IPS PLASTIC PIPE	SLEEVE FOR PRESSURE MAINLINE (TWO X THE DIA. OF PIPE)
—o—o—	P.V.C. SCH 40 IPS PLASTIC PIPE	CONTROLLER WIRE CONDUIT - SIZE CONDUIT AS PER DETAIL X, DETAIL SHEET Y.
— FSC —	P.V.C. SCH 40 IPS PLASTIC PIPE NOT INDICATED ON PLAN	FLOW SENSOR CONDUIT, 1" WITH APPROVED MAXICOM AEF (1) TWISTED PAIR CABLE RUN TO CONTROLLER "J".
— WSC —	1-1/2" P.V.C. SCH 40 IPS PLASTIC PIPE	WEATHER STATION COMMUNICATION WIREING SHALL BE BELDEN #9883 COMING FROM THE CENTROL MAXICOM COMPUTER TO THE WEATHER STATION. REFER TO SPECIFICATIONS FOR DISCIPTION.

23.4 / A-1 / 1": GALLONS PER MINUTE, VALVE SEQUENCE, VALVE SIZE — REMOTE CONTROL VALVE

IRRIGATION LEGEND & NOTES:

1. FOR THE IRRIGATION LEGEND REFER TO SHEETS LI-1.3 & LI-1.5
2. FOR THE IRRIGATION GENERAL NOTES REFER TO SHEET LI-1.4

NOTE:
REFER TO NOTE 17, SHEET LI-1.2 FOR ALL VALVES SHOWN IN WARNING TRACK AND SKINNED AREAS



0' 15' 30' 60'

EMWD Construction Note

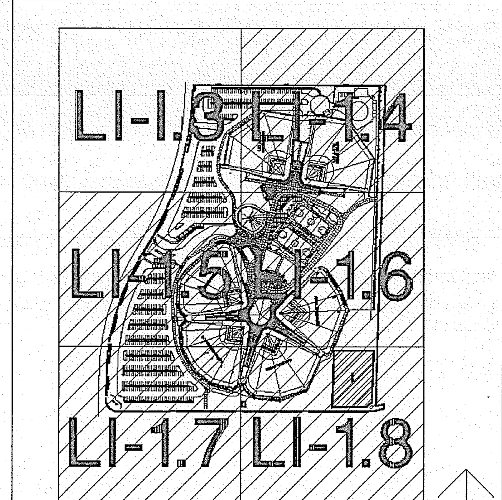
EASTERN MUNICIPAL WATER DISTRICT REQUIRES THAT A PRE-CONSTRUCTION CONFERENCE BE SCHEDULED PRIOR TO ANY CONSTRUCTION BY CALLING THE EASTERN MUNICIPAL WATER DISTRICT FIELD ENGINEERING DEPARTMENT AT (951) 928-3777, EXTENSION 4830.

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.



KEY MAP NOT TO 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
IRRIGATION SHEET

W.O. 12711
I.D 98
S.A. 37
COORD. 37C-43
SHT. LI-1.3 OF 15
SO
D-

DIGALERT
DIAL TOLL FREE
1-800-422-4133
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

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. 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 PLAN

100% CONSTRUCTION DOCUMENT

DATE	REVISIONS

STAMP

LICENSED LANDSCAPE ARCHITECT STEVEN N LANG NO. SIGNATURE 11-30-10 RENEWAL DATE 01-07-10 DATE STATE OF CALIFORNIA

CHECKED BY	DATE
BLW	07-22-09

DATE 07-30-09
FILE NAME
DRAWN BY BLW
JOB NO. 05208.00
SCALE 1"=30'-0"
SHEET LI-1.3
275c OF 313 SHEETS