

IRRIGATION LEGEND for SYSTEMS ON POTABLE WATER
(THIS LEGEND IS FOR IRRIGATION SYSTEMS 'B' & 'C', ON SHEET LI.5 ONLY)

DRIP IRRIGATION									
SYMBOL	MFR.	MODEL NUMBER	COLOR	DESCRIPTION	EMITTERS	GPH.	GPM.	PSI.	DETAIL
(no symbol)	TORO	RSP-212	BLACK	DL2000 PRESSURE COMP. DRIFTLINE w/ ROOTGUARD (FACTORY PRE-ASSEMBLED)	12" O.C.	0.53 GPH.	0.88 / 100'	15 - 60	H-3
(no symbol)	TORO	T-APS1500		PLASTIC STAKE FOR 5/8" DRIFTLINE	INSTALL ROWS AT 12" O.C. MAX. IN PLANTER AREAS				
(no symbol)	TORO	T-FT116		DRIFTLINE ADAPTER TEE (1/2" TPT x DRIFTLINE)	INSTALL AT A MAX. OF 3 FT. O.C. ALONG DRIFTLINE				H-3
(no symbol)	TORO	T-MD-500-34		AIR VACUUM RELIEF VALVE (1/2" MPT)	FOR SMALL AREAS WITH ONE PVC ROLL RISER (EDGE FEED)				H-4
(no symbol)	TORO	T-FUT16		1/2" O.C. 2" MANUAL FLUSH CAP	INSTALL IN #1-T116 TEE IN A 1" ROUND VALVE BOX				H-7
					DRIFTLINE x 3/4" MALE HOSE w/ CAP. INSTALL OFF SIDE OUTLET OF #1-T116 TEE USING SHORT PIECE OF DRIFTLINE				4/21/16

DISTRIBUTION & CONTROL EQUIPMENT				
SYMBOL	MFR.	MODEL NUMBER	DESCRIPTION	REMARKS
(no symbol)	HUNTER	10-600-2L	1-CORE CONTROLLER w/ PLASTIC CABINET	6 STA., WALL MOUNT
(no symbol)	HUNTER	WSS-SEN	WIRELESS SOLAR-SYNC SENSOR	INSTALL ONE FOR EACH CONTROLLER
(no symbol)	STRONG BOX	SRSE	SOLAR SYNC COVER	INSTALL ONE FOR EACH SOLAR-SYNC
(no symbol)	FEBDO	765-BV	PRESSURE VACUUM BREAKER	3/4"
(no symbol)	EPDI	GS-50	"GUARDSHOCK" BACKFLOW ENCLOSEURE	FOREST GREEN, 10" L., 18" H., 10" W. (INSIDE DIMENSIONS)
(no symbol)	RAIN BIRD	PEB	"GUARDSHOCK" PRE-FORMED SUPPORT BASE	INSTALL ONE FOR EACH BACKFLOW PREVENTER ENCLOSEURE
(no symbol)	CREATIVE	FSR-T10-000	ELECTRIC MASTER VALVE	1" w/ FLOW CONTROL
(no symbol)	RAIN BIRD	FSR-T10-000	FLOW SENSOR IN SCH. 40 PVC TEE (SLIP x SLIP)	1" 240 PSI MAX., 0.86-52 GPM. FLOW
(no symbol)	RAIN BIRD	PEB	DRIP ZONE CONTROL VALVE w/ FILTER & REGULATOR	INSTALL IN SEPARATE 12"x18" VALVE BOX. MAIN LINE SHALL BE 1" DIA. FOR 10' UPSTREAM & 5' DOWNSTREAM OF TEE
(no symbol)	TORO	T-ALF075150-L	DISC X-FILTER	1" w/ FLOW CONTROL
(no symbol)	SENNINGER	PRL-25	PRESSURE REGULATOR	3/4" 150 MESH, 0 - 25 GPM.
(no symbol)	KING BROS.	VAL-T	SCH. 40 PVC BALL VALVE (THREADED)	25 PSI @ 0.1 - 8 GPM., 3/4" FPT
(no symbol)	(APPROVED)	SCH. 40 PVC	PRESSURE MAIN LINE (POTABLE WATER SOURCE)	LINE SIZE (2" DIAMETER AND SMALLER)
(no symbol)	(APPROVED)	SCH. 40 PVC	1-1/2" DIAMETER AND SMALLER	FOR UNDERGROUND INSTALLATION
(no symbol)	(APPROVED)	SCH. 40 PVC	NON-PRESSURE LATERAL LINE (POTABLE SOURCE)	SIZES NOTED
(no symbol)	(APPROVED)	SCH. 40 PVC	FOR UNDERGROUND INSTALLATION. SIZES NOTED	A-1

SYMBOL	DESCRIPTION	REMARKS
(no symbol)	POINT OF CONNECTION (P.O.C.)	CONNECT TO POTABLE WATER SUPPLY LINE (BY OTHERS).
(no symbol)	FOR IRRIGATION SYSTEM	
(no symbol)	INDICATES CONTROL VALVE SIZE	
(no symbol)	INDICATES CONTROLLER STATION NUMBER	
(no symbol)	INDICATES FLOW IN GALLONS PER MINUTE	

WHENEVER ANY ITEM OF "DISTRIBUTION & CONTROL EQUIPMENT" IS SIZED SMALLER THAN THE MAIN LINE OR LATERAL LINE PIPING ON WHICH IT IS PLACED, THE REDUCTION IN PIPE SIZE SHALL ONLY OCCUR AT THE THREADED FITTING WHICH ADAPTS THE PIPE TO THE SIZE OF EQUIPMENT.

WATER SERVICE INFORMATION	
TYPE OF SOURCE:	POTABLE
SUPPLY LINE SIZE:	3/4"
EXISTING WATER PRESSURE:	72 - 78 PSI.
MINIMUM OPERATING PRESSURE:	43 PSI.
PEAK IRRIGATION DEMAND:	4 GPM.

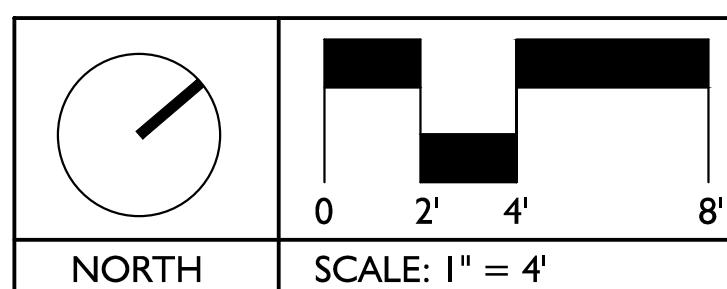
FRICTION LOSS CALCULATION	
WATER METER REF. NO.:	B
VALVE STATION NO.:	B-2
HEAD / BUBBLER / EMITTER	25.00
ADV.	
LATERAL LINE & FITTINGS	0.76
PRESSURE REGULATOR	5.00
FILTER	2.00
MIN. RCV PRV DIFFERENTIAL	
CONTROL VALVE	1.60
PRESSURE MAIN LINE	0.76
FLOW SENSOR	0.02
PRESSURE REDUCER	1.60
BACKFLOW PREVENTER	1.60
STRAINER / FILTER	3.00
WATER METER	
SERVICE LINE	0.26
ELEVATION DIFFERENCE	1.30
CONTINGENCY	2.07
MINIMUM PSI. REQ'D.	43.39
(EXISTING PSI.)	-72.00
RESIDUAL PSI.	28.61

WATER SERVICE INFORMATION	
TYPE OF SOURCE:	POTABLE
SUPPLY LINE SIZE:	3/4"
EXISTING WATER PRESSURE:	72 - 78 PSI.
MINIMUM OPERATING PRESSURE:	42 PSI.
PEAK IRRIGATION DEMAND:	3 GPM.

FRICTION LOSS CALCULATION	
WATER METER REF. NO.:	B
VALVE STATION NO.:	C-1
HEAD / BUBBLER / EMITTER	25.00
ADV.	
LATERAL LINE & FITTINGS	0.11
PRESSURE REGULATOR	5.00
FILTER	2.00
MIN. RCV PRV DIFFERENTIAL	
CONTROL VALVE	1.50
PRESSURE MAIN LINE	0.36
FLOW SENSOR	0.01
PRESSURE REDUCER	1.50
BACKFLOW PREVENTER	2.90
STRAINER / FILTER	
WATER METER	
SERVICE LINE	0.15
ELEVATION DIFFERENCE	1.30
CONTINGENCY	1.99
MINIMUM PSI. REQ'D.	41.82
(EXISTING PSI.)	-72.00
RESIDUAL PSI.	30.18

ROOF DECK - ON STRUCTURE

FOR IRRIGATION NOTES, SEE SHEET LI.2



MS
LANDSCAPE
ARCHITECTURE
507 30th St.
Newport Beach, CA 92663
949.675.9964
mja-la.com



MAIN AND JAMBOREE APARTMENTS
2700 MAIN STREET
IRVINE, CA 92614

SANDERSON J. RAY DEVELOPMENT
SANDERSON J. RAY
DEVELOPMENT
2699 WHITE ROAD, SUITE 150
IRVINE, CA 92614

STREET LIGHTS RESIDENTIAL
MKG CONSULTING
Construction Management

IRRIGATION PLAN - ROOF DECK

2nd City Submittal
05.27.2016

- Approved CUP #00568669 - PCPU
- Approved Park Plan #00595193 - PPP
- Park Design #00661446 - PPD
- Plan Check No. #00663154 - ELC
- Landscape Permit No. #00664705 - LCE
- Structure Permit No. #xxxxxxx - CTIS
- Building Permit #xxxxxxx - RNA

DATES	
-	Plan Check Date
-	Bid Set Date
-	Permit Date
-	Project Number
-	Drawing Date
5.26.2016	Plot Date

D E L T A

LI.5