

IRRIGATION LEGEND

	1111101								
UNDERGRO	UND TREE BUBBLERS								
RAIN BIRD	RWS-B-C-1401-P w/ RWS SOCK & PURPLE GRATE	BUBB	.ER **			REM	ARKS		5-50 P
SYMBOL	DESCRIPTION	T0R0 **	GPH	EA	CH SYMBOL I	REPRESENT	S 1 TREE & 2 '	RWS' SYSTEMS	DETAI
₩	PRE-ASSEMBLED DEEP ROOT WATERING SYSTEM	LF40-PC	4.0 (each)	I	INSTALL 2 'RV	NS' SYSTEM	S FOR EACH 1	REE SYMBOL	F-53
	** IMPORTANT: THE CONTRACTOR SHALL REM								
	WATERING SYSTEMS AND REPLACE WITH	TORO #LF-40	PC 4.0 GPF	BUBBL	LERS PRIOR T	O INSTALLA	TION.		
RAIN BIRD	PA-8S-PRS w/ 'ADV'	VAN		Q	Н	F	30 PSI		

NOZZLE DESCRIPTION COLOR RADIUS 45°-270° GPM		VAN Q		Н			30 PSI
NOZZEE BEGGIN NON COEGI NADIGO 40 270 GI M	90° G	GPM	180°	GPM	360°	GPM	DETAIL
R13-18 SERIES ROTARY NOZZLE BLACK 13' - 16'	8	0.4	8	0.8	•	1.6	F-13
R17-24 SERIES ROTARY NOZZLE YELLOW 17' - 21'	~ (8.0	4	1.5	•	3.0	F-13
R-VAN 1724 ADJ. ARC ROTARY NOZZLE YELLOW 17' - 21' 2.3							F-13

RAIN BIRD	5000 Plus series			М	PR-25 (RED) MATC	HED PR	ECIPITATION	RATE	NOZZLE	S			35 PS
ROTOR	MODEL NO.	RADIUS	Q	GPM	RADIUS	T	GPM	RADIUS	Н	GPM	RADIUS	F	GPM	DETAIL
SHRUB	5000S + PC-SAM	18 - 24'	0	0.9	18 - 24'	P	1.2	18 - 24'	@	1.7	18 - 24'	R	3.3	F-15
RAIN BIRD	5000 Plus series			MP	R-30 (GREE	N) MAT	CHED P	RECIPITATIO	N RATE	NOZZL	.ES			35 PS
ROTOR	MODEL NO.	RADIUS	Q	GPM	RADIUS	T	GPM	RADIUS	Н	GPM	RADIUS	F	GPM	DETAIL
SHRUB	5000S + PC-SAM	23 - 30'	(s)	1.2	23 - 30'	(T)	1.6	23 - 30'	(U)	2.6	23 - 30'	(5.1	F-15

TORO			570S	R-18	w/ 'A	DV'							W	rith P	RECIS	ION	SERIE	S NO	OZZLE	S		30 PSI
NOZZLE	DESCRIPTION	COLOR	RADIUS	60°	GPM	Q	GPM	T	GPM	150°	GPM	Н	GPM	210°	GPM	TT	GPM	TQ	GPM	F	GPM	DETAIL
0-T-8 SERIES	SPRAY	GREEN	6' - 8'	8	0.11	ŷ	0.17	•	0.22	•	0.27	•	0.33	Ŷ	0.36	•	0.44	•	0.49	•	0.66	F-13
0-T-10 SERIES	SPRAY	BLUE	8' - 10'	\$	0.17	Ŷ	0.23	T.	0.34	₩	0.43	Ţ	0.51	Û	0.58	•	0.69	\$	0.79	Ţ	1.03	F-13
0-T-12 SERIES	SPRAY	BROWN	9' - 12'	8	0.25	Ç	0.37	Φ	0.49	₩	0.62	•	0.74	Ŷ	0.82	•	0.99	Ŷ	1.15	•	1.48	F-13
0-T-15 SERIES	SPRAY	BLACK	11' - 15'	0	0.39	0	0.58	Φ	0.77	®	0.96	0	1.16	0	1.20	0	1.54	©	1.78	Q	2.31	F-13

SYMBOL	MFR.	MODEL NUMBER	COLOR	DESCRIPTION	EMITTERS	GPH.	GPM.	PSI.	DETAIL
$\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc$	TOR0	RGP-212-E	PURPLE	DL2000 PRESSURE COMP. DRIPLINE w/ ROOTGUARD	12" O.C.	0.53 GPH.	0.88 / 100'	15 - 60	H-60, H-61
				(FACTORY PRE-ASSEMBLED)	INSTALL DRIPLII	NE 4" BELOW FINIS	H GRADE IN SEE	D AREAS	
	TOR0	RGP-418-E	PURPLE	DL2000 PRESSURE COMP. DRIPLINE w/ ROOTGUARD	18" O.C.	1.02 GPH.	1.13 / 100'	15 - 60	H-1, H-11
				(FACTORY PRE-ASSEMBLED)	INSTALL ROWS /	AT 18" O.C. THROU	JGHOUT SHRUB	AREAS	
					INSTALL DRIPLII	NE 6" BELOW FINIS	SH GRADE IN SHE	RUB AREAS	
—∞—	TOR0	T-FTF16		DRIPLINE ADAPTER TEE (1/2" FIPT x DRIPLINE)	FOR AREAS <4	GPM., USE ONE PV	C FILL RISER ("E	DGE FEED")	H-2
	TOR0	T-FTF16		DRIPLINE ADAPTER TEE (1/2" FIPT x DRIPLINE)	FOR AREAS >4	GPM., USE A PVC I	MANIFOLD OF FIL	L RISERS	H-12, H-13
(A)	TOR0	T-FJJ16		MANUAL FLUSH CAP (DRIPLINE x 3/4" MHT w/ CAP)					H-3
0	TOR0	T-FJJ16		MANUAL FLUSH CAP (3/4" FHT) w/	CAP ONLY; THE	DRIPLINE INSERT I	FITTING IS NOT L	JSED	H-15
	KING BROS.	WLT-S		SCH. 40 PVC BALL VALVE (SLIP)	3/4"				
Ð	TOR0	T-YD-500-34	ļ	AIR VACUUM RELIEF VALVE (1/2" MIPT)	INSTALL IN #T-I	TF16 TEE IN A 6"	ROUND VALVE B	OX	H-20
(no symbol)	TOR0	T-DL-MP9		POP-UP OPERATION INDICATOR	INSTALL 1 ON E	ACH DRIPLINE ZON	IE, AT THE CONT	ROL VALVE	

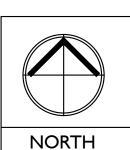
SYMBOL	MFR.	MODEL NUMBER	COLOR	DESCRIPTION	REMARKS	GPH.	GPM.	PSI.	DETAIL
0	SALCO	SLV-PSTR-CV-1	PURPLE	PRO-SPEC EMITTER w/ CHECK VALVE (NON-POTABLE)	1/2" FIPT	1.00	0.02	5 - 65	H-81
0	SALCO	SLV-PSTR-CV-1	PURPLE	PRO-SPEC EMITTER w/ CV (NP): INSTALL 2 PER PLANT	1/2" FIPT	1.00 x 2 emitters	0.03	5 - 65	H-81
•	SALCO	SLV-PSTR-CV-2	PURPLE	PRO-SPEC EMITTER w/ CHECK VALVE (NON-POTABLE)	1/2" FIPT	2.00	0.03	5 - 65	H-81
,,,,_,	SALCO	SLV-PVC-AR-050	PURPLE	PVC FLEX HOSE, w/ RECYCLED WATER WARNINGS	3/8" IPS, INSTAL	L ON-GRADE BELO\	W MULCH		H-81
(no symbol)	SALCO	SLV-436-073R	PURPLE	PVC MALE ADAPTER (1/2" MIPT x 3/8" IPS HOSE)	PVC SOLVENT W	ELD TO FLEX HOSE	USING STD. MI	ETHODS	H-81
(no symbol)	SALCO	SLV-DTS-140-	900	PVC-COATED GALVANIZED TUBING STAKE	INSTALL AT A M	AX. OF 3'-0" O.C. AI	LONG PVC FLEX	(HOSE	H-81
(no symbol)	(ANY)	(3/4" HOSE THREA	D CAP)	MANUAL FLUSH CAP (3/4" FHT)	INSTALL AT THE	END OF EACH TUB	ING RUN		H-83

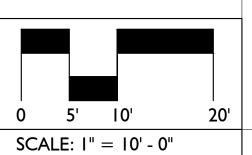
SYMBOL	MFR.	MODEL NUMBER	DESCRIPTION	REMARKS	DETA
A	HUNTER	IC-3600-M	I-CORE CONTROLLER w/ METAL CABINET	36 STA. (w/ 5 ICM-600 MODULES), WALL MOUNT	B-3
(no symbol)	HUNTER	WSS-SEN	WIRELESS SOLAR-SYNC SENSOR	INSTALL ONE FOR EACH CONTROLLER PER MFR.	B-2
(no symbol)	STRONG BOX	SRSE	SOLAR SYNC COVER	INSTALL ONE FOR EACH SOLAR-SYNC	
FS	CREATIVE	FSI-T10-000	FLOW SENSOR in SCH. 40 PVC TEE (SLIP x SLIP)	1", 240 PSI. MAX., 0.86-52 GPM. FLOW	A-21,
FSJ	SENSOR			INSTALL IN SEPARATE 12"x18" VALVE BOX; MAIN LINE SHALL	
	TECHNOLOGY			BE 1" DIA. FOR 10" UPSTREAM & 5" DOWNSTREAM OF TEE	
SYMBOL	MFR.	MODEL NUMBER	DESCRIPTION	REMARKS	DET
'ADV'	HUNTER	HC-F-M	U.V.R. ADJ. ANTI-DRAIN VALVE (FIPT x MIPT)	LINE SIZE TO 3/4", 3-14 PSI. (4-32 FT. OF HEAD); 150 PSI. MAX.	F-1
	FEBC0	825YA-BV	REDUCED PRESSURE BACKFLOW PREVENTER	1-1/2"	C-2
	FEBCO	650A	BRONZE Y-STRAINER (THREADED)	1-1/2", w/ 20 MESH STAINLESS STEEL SCREEN	C-2
ш	STRONG BOX	SBBC-22	"SMOOTH TOUCH" BACKFLOW PREVENTER ENCLOSURE	20" L., 27" H., 14" W. (INSIDE DIMENSIONS)	C-(
MV	GRISWOLD	2230E (normally closed,epoxy coated)	PRESSURE REDUCING MASTER VALVE (10-125 PSI.)	1-1/2", SIZES AND SETTINGS NOTED	A-21,
	GRISWOLD	2-2AA	WATER PRESSURE GAUGE KIT	REMOVE SCHRADER VALVE & REPLACE w/ KIT	
BV	NIBCO	T-580	BRONZE BALL VALVE (THREADED)	LINE SIZE, TO 3" MAX.	D-
7	KING BROS.	KSC-S	SCH. 40 PVC SWING CHECK VALVE (SLIP x SLIP)	LINE SIZE; INSTALL IN 10" DIA. VALVE BOX	
M	KING BROS.	BPC-S	SCH. 40 PVC SPRING CHECK VALVE (SLIP x SLIP)	LINE SIZE TO 2" MAX.; USE 2" ON 2-1/2" LINES	
			CHECKS 5 PSI. (11 FT. OF HEAD)	INSTALL IN 10" DIA. VALVE BOX	
	RAIN BIRD	PESB-R	ELECTRIC CONTROL VALVE	SIZES NOTED, w/ FLOW CONTROL, FOR RECYCLED WATER	A-21,
Т	RAIN BIRD	PESB-R	2 or 4 GPH. TREE BUBBLER ZONE CONTROL VALVE	1", w/ FLOW CONTROL, FOR RECYCLED WATER	A-21,
יי	TORO	T-ALFD75150-L	DISC Y-FILTER	3/4", 150 MESH, 0 - 25 GPM.	
1	RAIN BIRD	PESB-R	DRIP ZONE CONTROL VALVE w/ FILTER & REGULATOR:	1", w/ FLOW CONTROL, FOR RECYCLED WATER	A-21,
ניו	TORO	T-ALFD75150-L	DISC Y-FILTER	3/4", 150 MESH, 0 - 25 GPM.	
	SENNINGER	PRL-25	PRESSURE REGULATOR	25 PSI. @ 0.1 - 8 GPM., 3/4" FIPT	
2	RAIN BIRD	PESB-R	DRIP ZONE CONTROL VALVE w/ FILTER & REGULATOR:	1", w/ FLOW CONTROL, FOR RECYCLED WATER	A-21,
ك	TORO	T-ALFD10150-L	DISC Y-FILTER	1", 150 MESH, 0 - 35 GPM.	
	SENNINGER	PMR-MF-25	PRESSURE REGULATOR	25 PSI. @ 2 - 20 GPM., 3/4" FIPT	
Ø	RAIN BIRD	33 DNP w/ PURPLE COVER	QUICK-COUPLING VALVE w/ PURPLE RUBBER COVER	FOR RECYCLED WATER, 3/4", LOCKING COVER	D-1

SYMBOL	MFR.	MODEL NUMBER	COLOR	DESCRIPTION	REMARKS	DETAIL
				PRESSURE MAIN LINE (RECYCLED WATER SOURCE):	FOR UNDERGROUND INSTALLATION	A-1
	(APPROVED)	SCH. 40 PVC	(PURPLE)	1-1/2" DIAMETER AND SMALLER	SIZES NOTED	
	(APPROVED)	CL. 315 PVC	(PURPLE)	2" DIAMETER TO 3" DIAMETER	SIZES NOTED	
	(APPROVED)	PVC	(EXISTING)	PRESSURE MAIN LINE (BY OTHERS)	2", PER CITY OF SIMI VALLEY DWG. NO. 2015-0379	
	(APPROVED)	CL. 200 PVC	(PURPLE)	NON-PRESSURE LATERAL LINE (RECYCLED SOURCE)	FOR UNDERGROUND INSTALLATION; SIZES NOTED (3/4" MIN.)	A-1
	(APPROVED)	CL. 200 PVC	(PURPLE)	NON-PRESSURE LATERAL LINE (RECYCLED SOURCE)	FOR TREE BUBBLER ZONES; 3/4" UNLESS NOTED OTHERWISE	A-1
	(APPROVED)	SCH. 40 UVR-PVC (("BROWNLINE")	NON-PRESSURE LATERAL LINE PIPING	FOR ON-GRADE INSTALLATION; SIZES NOTED (3/4" MIN.)	A-10
□\$ □\$□	(APPROVED)	SCH. 40 PVC	(WHITE)	MAIN LINE, LATERAL LINE, & CONTROL WIRE SLEEVE	DIAMETER AS NOTED IN THE SLEEVE SYMBOL ON THE PLAN	A-3, A-20
נמֻדמֻ⊒	(APPROVED)	SCH. 40 PVC	(WHITE)	LATERAL LINE SLEEVE	SIZE: TWO TIMES THE SIZE OF THE LINE BEING SLEEVED	A-3
<u> </u>	(APPROVED)	SCH. 40 PVC	(WHITE)	MAIN LINE SLEEVE	DIAMETER AS NOTED IN THE SLEEVE SYMBOL ON THE PLAN	A-3
sw	(APPROVED)	SCH. 40 PVC	(WHITE)	LOW VOLTAGE CONTROL WIRE SLEEVE	DIAMETER AS NOTED IN THE SLEEVE SYMBOL ON THE PLAN	A-3, A-20
	(APPROVED)	SCH. 40 PVC	(GRAY)	LOW VOLTAGE CONTROL WIRE CONDUIT	1-1/2"	A-3, A-20
	ARMOR	181112	(BLACK)	10" ROUND PLASTIC ACCESS BOX w/ LID	LID IS BLACK w/ "ELECTRICAL" MOLDED ON TOP	A-20, A-2

— 2w —	(AFFNOVLD)	3011. 40 F VO	(VVIIIIL)	LOW VOLTAGE CONTROL WINE SELEVE	DIAMETER AS NOTED IN THE SELEVE STIMBOL ON THE FLAN	A-3, A-20
	(APPROVED)	SCH. 40 PVC	(GRAY)	LOW VOLTAGE CONTROL WIRE CONDUIT	1-1/2"	A-3, A-20
Ø	ARMOR	181112	(BLACK)	10" ROUND PLASTIC ACCESS BOX w/ LID	LID IS BLACK w/ "ELECTRICAL" MOLDED ON TOP	A-20, A-2
SYMBOL		DESCRIPTION		REMARKS		
	WATER MET	ER		2" POTABLE WATER METER (BY OTHERS)		
				(WATER METERS ARE INSTALLED UNDER SEPAR	ATE CONTRACT PER THE STREET and/or WATER IMPROVEMENT PLANS))
#	POINT OF CO	NNECTION (P.O.C.)		CONNECT TO CUSTOMER SERVICE SHUT-OFF VAL	LVE (INSTALLED BY OTHERS) ON OUTLET OF WATER METER.	
11	FOR IRRIG	ATION SYSTEM		METER LOCATIONS ARE APPROXIMATE IRRIGA	ATION CONTRACTOR SHALL VERIFY IN THE FIELD.	
"	POINT OF CO	NNECTION (P.O.C.)		CONNECT TO PVC MAIN LINE (INSTALLED BY OTH	HERS).	
11	FOR IRRIG	ATION SYSTEM		P.O.C. LOCATIONS ARE APPROXIMATE IRRIGAT	TION CONTRACTOR SHALL VERIFY IN THE FIELD.	
	SCHEDULE 4	0 PVC CAP		CAP PIPE FOR FUTURE USE. MARK LOCATION OF	N SITE.	•
E -				NOTE LOCATION ON RECORD DRAWINGS USING I	MEASUREMENTS FROM FIXED OBJECTS.	
size	INDICATES C	ONTROL VALVE SIZE				
STA.#		CONTROLLER STATION	NUMBER			
GPM		LOW IN GALLONS PER	MINUTE			

FOR IRRIGATION NOTES, SEE SHEET LI.5





KEY MAP N.T.S.

Issue	ed For:	
_08.	01.16	Ist City Submittal
Revi	sions:	
A	. -	-

6/17/16



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BENCHMARK **COMMUNITIES**

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PH: 661.414.1424



o No.: -	•
awn By:	WRD
ecked By	y: MS
ın Date:	AUGUST 1, 2016
ale:	I" = 10'-0"

IRRIGATION **PLAN**

Plan Status:

1ST SUBMITTAL