IRRIGATION LEGEND

SYMBOL	MFR.	MODEL NUMBER	COLOR	DES	CRIPTION	EMITTERS	GPH.	GPM.	PSI.	DETAIL
	TORO	RGP-418	BLACK	DL2000 PRESSURE COMP	P. DRIPLINE W/ ROOTGUARD	18" O.C.	1.02 GPH.	1.13 / 100'	15 - 60	H-1, H-11
				(FACTORY PRE-ASSEMB	(FACTORY PRE-ASSEMBLED)		AT 18" O.C. THROU	JGHOUT SHRUB	AREAS	1
						INSTALL DRIPLII	INSTALL DRIPLINE 6" BELOW FINISH GRADE IN SHRUB AREAS			
	TORO	T-EHD1645	BLACK	BLUE STRIPE BLANK DRIF	PLINE TUBING	USE AS NEEDED	FOR AIR/VACUUM	I RELIEF LATERA	L LINES	H-21
	TORO	T-FTF16		DRIPLINE ADAPTER TEE (1/2" FIPT x DRIPLINE)	FOR AREAS <4	FOR AREAS < 4 GPM., USE ONE PVC FILL RISER ("EDGE FEED")		H-2	
	TORO	T-FTF16		DRIPLINE ADAPTER TEE (DRIPLINE ADAPTER TEE (1/2" FIPT x DRIPLINE)		FOR AREAS > 4 GPM., USE A PVC MANIFOLD OF FILL RISERS			
0	TORO	T-FJJ16		MANUAL FLUSH CAP (DR	MANUAL FLUSH CAP (DRIPLINE x 3/4" MHT w/ CAP)					H-3
(Ē)	TORO	T-FJJ16		MANUAL FLUSH CAP (3/4	" FHT) w/	CAP ONLY; THE DRIPLINE INSERT FITTING IS NOT USED				H-15
	ING BROS.	WLT-S		SCH. 40 PVC BALL VAL	VE (SLIP)	3/4"				
(A)	TORO	T-YD-500-34		AIR VACUUM RELIEF VAL	VE (1/2" MIPT)	INSTALL IN #T-FTF16 TEE IN A 6" ROUND VALVE BOX			OX	H-20, H-21
o symbol)	TOR0	T-DL-MP9		POP-UP OPERATION INDIC	ERATION INDICATOR INSTALL 1 ON EACH DRIPLINE ZONE, AT THE CONTROL VALVE		ROL VALVE			
										8/19/16

RAIN BIRD	RWS-B-C-1401 w/ RWS SOCK		BLER	REMARKS	20-90 PSI
SYMBOL	DESCRIPTION	NOZZLE	GPM	EACH SYMBOL REPRESENTS 1 TREE & 2 'RWS' SYSTEMS	DETAIL
∇	PRE-ASSEMBLED DEEP ROOT WATERING SYSTEM	1401	0.25 (each)	INSTALL 2 'RWS' SYSTEMS FOR EACH TREE SYMBOL	F-53
					4/5/16

GREEN TECH RAINMASTER JOHN DEERE RSE RSE RAIN SENSOR ENCLOSURE MOUNTED ASSEMBLY WILKINS WILKINS P75XL REDUCED PRESSURE BACKELOW PREVENTER BRONZE Y-STRAINER (THREADED) CGS-3 "COAST GUARDSHAOK" BACKELOW PREVENTER WILKINS BPDI CGS-3 "COAST GUARDSHAOK" BACKELOW PORD SI. GAUGE TIME RAIN BIRD SUPERIOR RAIN BIRD PEB DRIP ZONE CONTROL VALVE W/ RILTER & REGULATOR: TORO T-ALEPOT5150-L DISC Y-FILTER PRESSURE REGULATOR RAIN BIRD PEB DRIP ZONE CONTROL VALVE W/ RILTER & REGULATOR: TORO T-ALEPOT6150-L DISC Y-FILTER PRESSURE REGULATOR RAIN BIRD PEB DRIP ZONE CONTROL VALVE W/ RILTER & REGULATOR: TORO T-ALEPOT6150-L DISC Y-FILTER PRESSURE REGULATOR RAIN BIRD PEB DRIP ZONE CONTROL VALVE W/ RILTER & REGULATOR: TORO T-ALEPOT6150-L DISC Y-FILTER PRESSURE REGULATOR RAIN BIRD PEB DRIP ZONE CONTROL VALVE W/ RILTER & REGULATOR: TORO T-ALEPOT6150-L DISC Y-FILTER PRESSURE REGULATOR RAIN BIRD PEB DRIP ZONE CONTROL VALVE W/ RILTER & REGULATOR: TORO T-ALEPOT6150-L DISC Y-FILTER PRESSURE REGULATOR RAIN BIRD PEB DRIP ZONE CONTROL VALVE W/ RILTER & REGULATOR: TORO T-ALEPOT6150-L DISC Y-FILTER TORO T-ALEPOT6150-L DISC Y-FILTER PRESSURE REGULATOR RAIN BIRD PEB DRIP ZONE CONTROL VALVE W/ RILTER & REGULATOR: TORO T-ALEPOT6150-L DISC Y-FILTER T	DL N	MFR.	MODEL NUMBER	DESCRIPTION	REMARKS	DETAIL
RAINWASTER REBUDE RESE RAIN SENSOR IN CAST BRONZE TEE ((PPT x FIPT) INSTALL IN SEPARATE 12"x18" VALVE BOX; MAIN LINE SHALL BE 1" DIA, FOR 10" UPSTREAM & 5" DOWNSTREAM OF TEE RAIN SENSOR ENCLOSURE MOUNTED ASSEMBLY REDUCED PRESSURE BACKFLOW PREVENTER 2" CONDUCTOR DIRECT BURIAL SHIELDED CABLE FOR R.OW SENSOR TO CONTROLLER WIRE CONNECTION CONSTRUCTION	JOHN	IN DEERE	SA6-RM3-42 / FSF-100B / RSE	CONTROLLER ASSEMBLY 'A', CONSISTING OF:	STAINLESS STEEL TOP-ENTRY PEDESTAL ENCLOSURE	COA 515
INSTALL IN SEPARATE 12"x18" VALVE BOX; MAIN LINE SHALL BE 1" DIA. FOR 10" UPSTREAM & 5" DOWNSTREAM OF TEE RSE **NO SYMBOD) RAINMASTER** EV-CAB-SEN** EV-CAB-SEN** 2 CONDUCTOR DIRECT BURIAL SHIELDED CABLE FOR RLOWSENSOR TO CONTROLLER WIRE CONNECTION (CAST) WILKINS YB BRONZE Y-STRAINER (THREADED) "COAST GUARDSHACK" BACKFLOW PREVENTER "COAST GUARDSHACK" BACKFLOW PREVENTER "COAST GUARDSHACK" BACKFLOW ENCLOSURE WILKINS BPDI SUPERIOR 3100 ELECTRIC MASTER VALVE (NORMALLY OPEN) INBCO T-585 BRONZE BALL VALVE (THREADED) INBCO T-585 BRONZE BALL VALVE (THREADED) DIP ZONE CONTROL VALVE T'', W/FLOW CONTROL ARIN BIRD PEB DRIP ZONE CONTROL VALVE W/ RILTER & REGULATOR: TORO SENNINGER PRI-25 PRESSURE REGULATOR PRESSURE REGULATOR TORO T-ALFD/10150-L DISC Y-FILTER PRESSURE REGULATOR DIP ZONE CONTROL VALVE W/ RILTER & REGULATOR: 1", W/FLOW CONTROL 1", W/FLOW CONTROL 1", W/FLOW CONTROL ARIN BIRD TORO T-ALFD/10150-L DISC Y-FILTER DRIP ZONE CONTROL VALVE W/ RILTER & REGULATOR: 1", W/FLOW CONTROL 1", W/FLOW CONTROL ARIN BIRD TORO T-ALFD/10150-L DISC Y-FILTER DRIP ZONE CONTROL VALVE W/ RILTER & REGULATOR: 1", W/FLOW CONTROL 1", W/FLOW CONTROL 1", W/FLOW CONTROL ARIN BIRD TORO T-ALFD/10150-L DISC Y-FILTER DRIP ZONE CONTROL VALVE W/ RILTER & REGULATOR: 1", W/FLOW CONTROL 1",	GREE	EN TECH	RAINMASTER	RME42EGi-W	42 STATION WALL MOUNT CONTROLLER	
BE 1" DIA. FOR 10" UPSTREAM & 5" DOWNSTREAM OF TEE RAIN SENSOR ENCLOSURE MOUNTED ASSEMBLY OF SYMBOO) RAINMASTER EV-CAB-SEN 2 CONDUCTOR DIRECT BURIAL SHIELDED CABLE FOR FLOW SENSOR TO CONTROLLER WIRE CONNECTION (CX) WILKINS YB BRONZE Y-STRAINER (THREADED) BPDI CGS-3 "COAST GUARDSHACK" BACKFLOW PREVENTER BPDI CGS-3 "COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE TAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE TAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE TAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW PREVENTER 2", INSTALL ON UPSTREAM LEG OF RP ASSEMBLY STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW PREVENTER 2", INSTALL ON UPSTREAM LEG OF RP ASSEMBLY 2", INSTALL ON UPSTREAM LEG OF RP ASSEMBLY STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (INSTAILLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (INSTAILLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (INSTAILLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (INSTAILLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (INSTAILLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (INSTAILLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (INSTAILLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (INSTAILLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (INSTAILLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (INSTAILLESS STEEL; 40" L., 24"			RAINMASTER	FS-B100	1" FLOW SENSOR in CAST BRONZE TEE (FIPT x FIPT)	COA 526
JOHN DEERE RSE RAIN SENSOR ENCLOSURE MOUNTED ASSEMBLY ON SYMBOD) RAINMASTER EV-CAB-SEN 2 CONDUCTOR DIRECT BURIAL SHIELDED CABLE FOR FLOW SENSOR TO CONTROLLER WIRE CONNECTION (CONTROLLER WIRE CONNECTION) WILKINS 975XL REDUCED PRESSURE BACKFLOW PREVENTER 2" 2", INSTALL ON UPSTREAM LEG OF RP ASSEMBLY CGS-3 "COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (COAST GUARDSHACK BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS)						
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WILKINS WIKINS WIKINS BPDI CGS-3 WICAST GUARDSHACK" BACKFLOW PREVENTER BPDI CGS-3 WICAST GUARDSHACK" BACKFLOW ENCLOSURE WILKINS BPDI SUPERIOR SUPERIOR WILKINS WILKINS WILKINS BPDI SUPERIOR WILKINS WICAST GUARDSHACK" BACKFLOW ENCLOSURE WILKINS WIL						
WILKINS PB BRONZE Y-STRAINER (THREADED) 2", INSTALL ON UPSTREAM LEG OF RP ASSEMBLY "COAST GUARDSHACK" BACKFLOW ENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) (INSIDE DIMENSIONS (INSIDE DIMENSIONS) (INSIDE DIMENSIONS (INSIDE DIMENSIONS) (INSIDE DIMENSIONS (INSIDE DIMEN	bol) RAINI	MASTER		2 CONDUCTOR DIRECT BURIAL SHIELDED CABLE	FOR FLOW SENSOR TO CONTROLLER WIRE CONNECTION	COA 526
WILKINS PBDI CGS-3 "COAST GUARDSHACK" BACKFLOWENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) CGS-3 "COAST GUARDSHACK" BACKFLOWENCLOSURE STAINLESS STEEL; 40" L., 24" H., 10 W. (INSIDE DIMENSIONS) CGS-75 PSI. RANGE) w/ 0-100 PSI. GAUGE 1/1/2", SETTINGS NOTED	WII	ILKINS	975XL	REDUCED PRESSURE BACKFLOW PREVENTER	2"	COA 512
PRV (25-75 PSI. RANGE) w/ 0-100 PSI. GAUGE			###		,	
SUPERIOR 3100 ELECTRIC MASTER VALVE (NORMALLY OPEN) 1-1/2" (C INBCO T-585 BRONZE BALL VALVE (THREADED) LINE SIZE (C RAIN BIRD PEB 0.25 GPM. TREE BUBBLER ZONE CONTROL VALVE 1", W/FLOW CONTROL A RAIN BIRD PEB DRIP ZONE CONTROL VALVE W/ FLTER & REGULATOR: 1", W/FLOW CONTROL A TORO T-ALFD75150-L DISC Y-FILTER 3/4", 150 MESH, 0 - 25 GPM. PRI-25 PRESSURE REGULATOR 25 PSI. @ 0.1 - 8 GPM., 3/4" FIPT RAIN BIRD PEB DRIP ZONE CONTROL VALVE W/ FLTER & REGULATOR: 1", W/FLOW CONTROL A TORO T-ALFD10150-L DISC Y-FILTER 1", M/FLOW CONTROL A SENNINGER PMR-MF-25 PRESSURE REGULATOR 25 PSI. @ 2 - 20 GPM., 3/4" FIPT RAIN BIRD PEB DRIP ZONE CONTROL VALVE W/ FLTER & REGULATOR: 1", 150 MESH, 0 - 35 GPM. PMR-MF-25 PRESSURE REGULATOR 25 PSI. @ 2 - 20 GPM., 3/4" FIPT RAIN BIRD TORO T-ALFD10150-L DISC Y-FILTER 11", 150 MESH, 0 - 35 GPM. SENNINGER PR-HF-25 PRESSURE REGULATOR: 1", 150 MESH, 0 - 35 GPM. TORO T-ALFD10150-L DISC Y-FILTER 11", 150 MESH, 0 - 35 GPM. PR-HF-25 PRESSURE REGULATOR 25 PSI. @ 10 - 32 GPM., 1-1/4" FIPT X 1" FIPT X 1	_		0 0,0 0			COA 527
B NIBCO T-585 BRONZE BALL VALVE (THREADED) LINE SIZE C T RAIN BIRD PEB 0.25 GPM. TREE BUBBLER ZONE CONTROL VALVE 1", w/ FLOW CONTROL A PEB DRIP ZONE CONTROL VALVE w/ FLTER & REGULATOR: 1", w/ FLOW CONTROL 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 A PEB DRIP ZONE CONTROL VALVE w/ FLTER & REGULATOR: 1", w/ FLOW CONTROL 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 A PEB DRIP ZONE CONTROL VALVE w/ FLTER & REGULATOR: 1", 150 MESH, 0 - 35 GPM. SENNINGER PMR-MF-25 PRESSURE REGULATOR 25 PSI. @ 2 - 20 GPM., 3/4" FIPT A PEB DRIP ZONE CONTROL VALVE w/ FLTER & REGULATOR: 1-1/2", w/ FLOW CONTROL TORO T-ALFD10150-L DISC Y-FILTER 1-1/2", w/ FLOW CONTROL TORO T-ALFD10150-L DISC Y-FILTER 1-1/2", w/ FLOW CONTROL TORO T-ALFD10150-L DISC Y-FILTER 1", 150 MESH, 0 - 35 GPM. SENNINGER PR-HF-25 PRESSURE REGULATOR 25 PSI. @ 10 - 32 GPM., 1-1/4" FIPT x 1" FIPT	WI	ILKINS	500XLG	PRV (25-75 PSI. RANGE) w/ 0-100 PSI. GAUGE	1/1/2", SETTINGS NOTED	D-3
T RAIN BIRD PEB 0.25 GPM. TREE BUBBLER ZONE CONTROL VALVE 1", w/ FLOW CONTROL A 1 RAIN BIRD TORO SENNINGER PEB DEB DISC Y-FILTER DISC Y-FILTER DISC Y-FILTER PRESSURE REGULATOR 3/4", 150 MESH, 0 - 25 GPM. A 2 RAIN BIRD TORO SENNINGER PRESURE REGULATOR PEB DRIP ZONE CONTROL VALVE w/ FILTER & REGULATOR: 1", w/ FLOW CONTROL A 3 T-ALFD10150-L PRESSURE REGULATOR 1", w/ FLOW CONTROL A 3 T-ALFD10150-L PRESSURE REGULATOR 1", u/ FLOW CONTROL A 3 T-ALFD10150-L PRESSURE REGULATOR 25 PSI. @ 2 - 20 GPM., 3/4" FIPT A 3 TORO T-ALFD10150-L SENNINGER DISC Y-FILTER PRESSURE REGULATOR: 1-1/2", w/ FLOW CONTROL A 3 T-ALFD10150-L PR-HIF-25 DISC Y-FILTER PRESSURE REGULATOR 1-1/2", w/ FLOW CONTROL A 3 T-ALFD10150-L PR-HIF-25 DISC Y-FILTER PRESSURE REGULATOR 1-1/2", w/ FLOW CONTROL A 4 T-ALFD10150-L PR-HIF-25 PRESSURE REGULATOR 25 PSI. @ 10 - 32 GPM., 1-1/4" FIPT x 1" FIPT	SUP	PERIOR	3100	ELECTRIC MASTER VALVE (NORMALLY OPEN)	1-1/2"	COA 526
RAIN BIRD	N	NIBCO	T-585	BRONZE BALL VALVE (THREADED)	LINE SIZE	COA 503
T-ALFD75150-L DISC Y-FILTER 3/4", 150 MESH, 0 - 25 GPM. RAIN BIRD PEB DRIP ZONE CONTROL VALVE W/ FILTER & REGULATOR: 1", w/ FLOW CONTROL 1", w/ FLOW CONTROL 1", w/ FLOW CONTROL A 1", 150 MESH, 0 - 25 GPM. A 1", 150 MESH, 0 - 25 GPM. 1", w/ FLOW CONTROL A 1", 150 MESH, 0 - 35 GPM. 1", 150 MESH, 0 - 35 GPM. 25 PSI. @ 2 - 20 GPM., 3/4" FIPT RAIN BIRD PEB DRIP ZONE CONTROL VALVE W/ FILTER & REGULATOR: 1 -1/2", w/ FLOW CONTROL A 1-1/2", w/ FLOW CONTROL A 25 PSI. @ 10 - 32 GPM., 1-1/4" FIPT x 1" FIPT	RAI	AIN BIRD	PEB	0.25 GPM. TREE BUBBLER ZONE CONTROL VALVE	1", w/ FLOW CONTROL	A-21, E-10
TORO SENNINGER PRL-25 PRESSURE REGULATOR 25 PSI. @ 0.1 - 8 GPM., 3/4" FIPT	RAI	IN BIRD	PEB	DRIP ZONE CONTROL VALVE w/ FILTER & REGULATOR:	1", w/ FLOW CONTROL	A-21, E-13
RAIN BIRD PEB DRIP ZONE CONTROL VALVE w/ FILTER & REGULATOR: 1", w/ FLOW CONTROL	T	TORO	T-ALFD75150-L	DISC Y-FILTER	3/4", 150 MESH, 0 - 25 GPM.	
TORO T-ALFD10150-L DISC Y-FILTER 1", 150 MESH, 0 - 35 GPM. PMR-MF-25 PRESSURE REGULATOR 25 PSI. @ 2 - 20 GPM., 3/4" FIPT RAIN BIRD PEB DRIP ZONE CONTROL VALVE W/ FILTER & REGULATOR: 1", 150 MESH, 0 - 35 GPM. TORO T-ALFD10150-L DISC Y-FILTER 1", 150 MESH, 0 - 35 GPM. SENNINGER PR-HF-25 PRESSURE REGULATOR 25 PSI. @ 10 - 32 GPM., 1-1/4" FIPT x 1" FIPT	SENI	NNINGER	PRL-25	PRESSURE REGULATOR	25 PSI. @ 0.1 - 8 GPM., 3/4" FIPT	
TORO 1-ALFDT0130-L DISC Y-FILTER 1", 150 MESH, 0 - 35 GPM.	RAI	AIN BIRD	PEB	DRIP ZONE CONTROL VALVE w/ FILTER & REGULATOR:	1", w/ FLOW CONTROL	A-21, E-13
RAIN BIRD PEB DRIP ZONE CONTROL VALVE W/ FILTER & REGULATOR: 1-1/2", W/ FLOW CONTROL A 1", 150 MESH, 0 - 35 GPM. SENNINGER PR-HF-25 PRESSURE REGULATOR 25 PSI. @ 10 - 32 GPM., 1-1/4" FIPT x 1" FIPT	T	TORO		DISC Y-FILTER		
TORO T-ALFD10150-L DISC Y-FILTER 1", 150 MESH, 0 - 35 GPM. SENNINGER PR-HF-25 PRESSURE REGULATOR 25 PSI. @ 10 - 32 GPM., 1-1/4" FIPT x 1" FIPT			SARL A SESSE SESSE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
TORO	RAI	AIN BIRD	PEB	DRIP ZONE CONTROL VALVE w/ FILTER & REGULATOR:	1-1/2", w/ FLOW CONTROL	A-21, E-13
1120012 (2002)	2.1		in the transfer of		The state of the s	
(#) RAIN RIRD 44 LRC DUICK-COUPLING VALVE W/ YELLOW RUBBER COVER FOR POTABLE WATER 1" LOCKING COVER (HIRITITY AND LITTLE			
	RAI	AIN BIRD	44 LRC	QUICK-COUPLING VALVE w/ YELLOW RUBBER COVER	FOR POTABLE WATER, 1", LOCKING COVER	COA 504 8/22/16

SYMBOL	MFR.	MODEL NUMBER	DESCRIPTION	REMARKS	DETAIL
	(APPROVED)	SCH. 40 PVC	PRESSURE MAIN LINE (POTABLE WATER SOURCE):	FOR UNDERGROUND INSTALLATION; SIZES NOTED	COA 525
	(APPROVED)	SCH. 40 PVC	NON-PRESSURE LATERAL LINE (POTABLE SOURCE)	FOR UNDERGROUND INSTALLATION; SIZES NOTED (3/4" MIN.)	COA 525
	(APPROVED)	SCH. 40 PVC	NON-PRESSURE LATERAL LINE (POTABLE SOURCE)	3/4"; FOR ALL TREE BUBBLER ZONE LATERAL LINES	COA 525
-4-4- -4-4-	(APPROVED)	SCH. 40 PVC	MAIN LINE & LATERAL LINE SLEEVE	SIZE AS NOTED IN THE SLEEVE SYMBOL ON THE PLAN	COA 525
- 5* - 5* - - 5* - 5* -	(APPROVED)	SCH. 40 PVC	LOW VOLTAGE CONTROL WIRE SLEEVE	SIZE AS NOTED IN THE SLEEVE SYMBOL ON THE PLAN	COA 525
— 5x — 5x — — 5x — 5x —	(APPROVED)	SCH. 40 PVC	LATERAL LINE SLEEVE	SIZE: TWO TIMES THE SIZE OF THE LINE BEING SLEEVED	COA 525
		-			

SYMBOL	DESCRIPTION	REMARKS
P	WATER METER	2" POTABLE WATER METER (BY OTHERS)
		(WATER METERS ARE INSTALLED UNDER SEPARATE CONTRACT PER THE STREET and/or WATER IMPROVEMENT PLANS)
11	POINT OF CONNECTION (P.O.C.)	CONNECT TO OUTLET OF WATER METER.
L 1r	FOR IRRIGATION SYSTEM	METER LOCATIONS ARE APPROXIMATE IRRIGATION CONTRACTOR SHALL VERIFY IN THE FIELD.

STA.# INDICATES CONTROL VALVE SIZE

STA.# INDICATES CONTROLLER STATION NUMBER SPM 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 PIECE OF EQUIPMENT.

FRICTION LOSS CALCULA	TION
WATER METER REF. NO.:	
VALVE STATION NO.:	A-11
HEAD / BUBBLER / EMITTER ADV	25.00
	1.53
PRESSURE REGULATOR	5.00
FILTER	3.75
MIN. RCV PRV DIFFERENTIAL	
CONTROL VALVE	2.68
PRESSURE MAIN LINE	2.09
FLOW SENSOR	0.25
PRESSURE REDUCER	3.48
BACKFLOW PREVENTER	11.20
STRAINER / FILTER	0.20
WATER METER	0.60
SERVICE LINE	0.08
ELEVATION DIFFERENCE	1.30
CONTINGENCY	2.86
MINIMUM PSI. REQ'D.	60.02
(EXISTING PSI.)	-77.00
ŘESIDUAL PSI.	16.98

SERVICE LINE SIZE **: WATER METER SIZE **:

EXISTING WATER PRESSURE: MINIMUM OPERATING PRESSURE:

PEAK IRRIGATION DEMAND: IRRIGATED AREA:

METER ADDRESS:

(** PER STREET and/or WATER IMPROVEMENT PLANS)

METER STATION POINT: APPROX. 12+02 W. CYPRESS ST.

FRICTION LOSS CALCULA	TION		FRICTION LOSS CALCUL
VATER METER REF. NO.:	Α		WATER METER REF. NO.:
ALVE STATION NO.:	A-12		VALVE STATION NO.:
HEAD / BUBBLER / EMITTER	25.00		HEAD / BUBBLER / EMITTER
NDV			ADV
ATERAL LINE & FITTINGS	1.27		LATERAL LINE & FITTINGS
RESSURE REGULATOR	5.00		PRESSURE REGULATOR
ILTER	5.75		FILTER
IN. RCV PRV DIFFERENTIAL			MIN. RCV PRV DIFFERENTIA
CONTROL VALVE	3.72		CONTROL VALVE
PRESSURE MAIN LINE	3.31		PRESSURE MAIN LINE
LOW SENSOR	0.36		FLOW SENSOR
RESSURE REDUCER	5.16		PRESSURE REDUCER
BACKFLOW PREVENTER	11.50		BACKFLOW PREVENTER
STRAINER / FILTER	0.20		STRAINER / FILTER
VATER METER	1.40		WATER METER
SERVICE LINE	0.15		SERVICE LINE
LEVATION DIFFERENCE	0.87		ELEVATION DIFFERENCE
CONTINGENCY	3.18		CONTINGENCY
/INIMUM PSI. REQ'D.	66.87		MINIMUM PSI. REQ'D.
EXISTING PSI.)	-77.00		(EXISTING PSI.)
RESIDUAL PSI.	10.13		RESIDUAL PSI.
/8/16		•	6/8/16

WATER EFFICIENCY LANDSCAPE WORKSHEET

		n (ETo):	49.20	ETAF:	0.55	Landso	ape Area Se	ctor Type:	Street Improv
	Hydrozone # /Planting		Plant Factor	Irrigation	Irrigation Efficiency	ETAF	Landscape		Estimated Tot Water Use
	Description	Location	(PF)	M e thod	(IE)	(PF/IE)	Area (sq. ft.)	ETAF x Area	(ETWU)
Regula	ar Landscape Areas		,						
1	Low Water Use shrubs	varies	0.20	Subsurface Drip	0.81	0.25	6,182	1,526	46,562
2	Moderate Water Use shrubs	varies	0.50	Subsurface Drip	0.81	0.62	568	351	10,695
3									
4									
5									
6									
						Average	Total	Total	
						0.00	0.750		•
						0.28	6,750	1, <mark>877</mark>	
		Ave	erage ETA	AF for Regular La	ndscape A	William Long I	107 1000 2000 2000	1,8// ln	Not In
		Ave	erage ETA	NF for Regular La	ndscape A	William Long I	107 1000 2000 2000	ln	
Specia	l Landscape Areas	Ave	erage ETA	AF for Regular La	indscape A	William Long I	107 1000 2000 2000		
Specia SLA-1	I Landscape Areas	Ave	erage ETA	AF for Regular La	ndscape A	William Long I	107 1000 2000 2000	ln	
	l Landscape Areas	Ave	erage ETA	AF for Regular La	ndscape A	William Long I	107 1000 2000 2000	ln	~
SLA-1	I Landscape Areas	Ave	erage ETA	AF for Regular La	ndscape A	William Long I	107 1000 2000 2000	ln	
SLA-2	l Landscape Areas	Ave	erage ETA	AF for Regular La	ndscape A	William Long I	107 1000 2000 2000	ln	

6/6/16

WATER METER & BACKFLOW DEVICE TO BE INSTALLED PER UWM2016-00013. WATER METER 'A' W. CYPRESS STREET 1½" A-2 23 1" A4 6 1" **A-7** CONTROLLER 'A' LIMIT OF WORK at BACK OF WALK IRRIGATION MAIN LINE & EQUIPMENT SHOWN OUTSIDE THE LIMIT OF WORK / RIGHT-OF-WAY IS FOR INFORMATION ONLY. REFER TO PLANS FOR "UPTOWN VILLAGE APARTMENT HOMES" PREPARED BY MJS DESIGN, INC. FOR REMAINDER OF IRRIGATION SYSTEM OUTSIDE THE LIMIT OF WORK / RIGHT-OF-WAY. ANAHEIM BOULEVARD LEMON STREET SEE SHEET 24 FOR CONTINUATION SEE SHEET 26 FOR CONTINUATION 1½" ELECTRIC MASTER VALVE WATER SERVICE INFORMATIONWATER METER REF. NO.: 'A'TYPE OF SOURCE:POTABLE

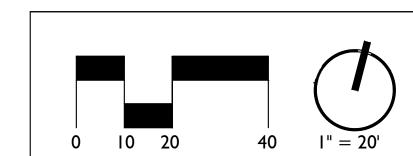
THESE PLANS HAVE BEEN EXAMINED AND IS APPROVED ONLY AS TO COMPATIBILITY WITH ADJOINING EXISTING OR FUTURE IMPROVEMENTS AND CONFORMANCE WITH CITY OF ANAHEIM STANDARD DETAILS AND THE REQUIREMENTS FOR THE FOLLOWING APPLICABLE FACTORS: RIGHT-OF-WAY, ROADWAY MATERIALS, ALIGNMENTS AND GRADES, HYDROLOGY AND HYDRAULIC DESIGN OF STORMDRAIN OR SANITARY SEWER SYSTEMS AND UNDER GROUND CONDUIT OR OPEN CHANNEL

CHANNEL ALIGMENTS, GRADES, SIZES AND MATERIALS.

NOTE TO CONTRACTOR: THE EXISTENCE LOCATION OF ANY UNDERGROUND UTILITIES, PIPES, AND/OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL AS CERTAIN THE TRUE VERTICAL AND HORIZONTAL LOCATION AND SIZE OF THOSE TO BE USED OF ANY UNDERGROUND UTILITIES AND SHALL BE RESPONSIBLE FOR DAMAGE TO ANY PUBLIC OR PRIVATE UTILITIES AS SHOWN HEREON.

1½" PRESSURE-REDUCING VALVE: SET TO 47 PSI WHEN ZONE A-12 IS OPERATING.

2" REDUCED PRESSURE BACKFLOW PREVENTER



LCULATION



ARCHITECTURE

Anaheim, CA

from: Landscape Water Efficiency Ord. Guidelines, 2/1/16, Appendix C

Newport Beach, CA 92663



OWNER/DEVELOPER: UPTOWN ANAHEIM APARTMENTS LLC 5790 FLEET STREET, SUITE 140

RCP2016-11832

Site-wide ETAF

Maximum Allowed Water Allowance (MAWA)

CARLSBAD, CA 92008 ATTN: TODD PHILLIPS PHONE NO. (760)444-5213

REVISIONS				REFERENCES		
		1				BENCH MARK: 4A-31 ELEVATION: NAVD-88=159.08' NGVD-29=156.96'
NO.	INIT.	DATE	DESCRIPTION	DATE	APP'D	LINCOLN AVELINCOLN AVE. & ANAHEIM BLVD. BRASS CAP MARKED CIT
						OF ANAHEIM. TOP OF CURB E.C.R. N.W. CORNER AS SHOWN ON CITY
						PLAN 18011 SHEET 1 OF 39.
						PLANS FOR THESE IMPROVEMENTS:
						STREET:
						SEWER:
						STORM DRAIN:
						LANDSCAPE:
						WATER: UWM 2016-00013

UNDERGROUND SERVICE ALERT CALL TOLL FREE: I-800-422-4133

W. CYPRESS ST.

(6,750 SF.) 0.15 ACRES

77 PSI. 67 PSI.

26 GPM.

TWO WORKING DAYS BEFORE YOU DIG

FOR APPROVAL SEE PLAN	STREET IMPROVE
RCP2016-11832	UPTOWN ANAHE
	W. CYPRES FROM STA. 10+00

EMENT PLANS FOR EIM APARTMENTS ESS STREET 00.00 TO 15+30.43 CITY OF ANAHEIM

FOR IRRIGATION NOTES, SEE SHEET 24

SHEET 25 38 PLAN NO. IRRIGATION PLAN