Irrigation Audit Checklist	
A. Project & Auditor Information	
Inspection Date	
Project Name	
Project Address	
Application Number	
rrigation Auditor Name	
rrigation Auditor Company	
rrigation Auditor Address	
rrigation Auditor Phone Number	
rrigation Auditor Email	
Auditor Certified by EPA WaterSense program:	
☐ Irrigation Association	
□ QWEL	
☐ CLCA WMCP	
☐ G3 Watershed Wise Professional☐ Other EPA Certified	
Note: For large projects or projects with multiple landscape installations (i.e. production home developments), an auditing rate of 1 in 7 lots or approximat	

15% satisfies the audit requirement.

Address______ Pg___of____

Meter Type & Location		Static Water Pressure		Manual Shutoff
☐ Customer Service Water	Meter			☐ Yes
☐ Submeter				□ No
		PSI		
Location				
Location				
	1			
Backflow Prevention	Master	Valve	Flow S	
RP AVB Anti-siphon	☐ Yes		☐ Yes	
DCVA	□ No		□ No	
Location	Locatio	n	Locatio	on
Location				cted to Master □ Yes □ No
			vaive:	
			1_	
Pressure Reducing Valve		Controller Type		ntroller set to ablishment
☐ Yes ☐ No				res □ No
Lasakian		WDIC Call		
Location		WBIC Soil		
Mulch		Total Number of Active Stations		gation Schedule Ited
☐ Yes		Active Stations		
□ No				
				NO
		Hyrdozone Map kep with controller	ot	
		☐ Yes		
		□ No		

Address______ Pg___of____

Address	Pg of

Hydrozone Number	Flow Rate (GPM or GPH)	Precipitation Rate (IPH)

Address	Pg	of
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Controller Station No.	SQ. FT.	Plant Type	Sun Exposure	Slope	Soil Type	Irrigation Method	Zone Pressure	Water Type
							1.	
							2.	
							3.	
							1.	
							2.	
							3.	
							1.	
							2.	
							3.	
							1.	
							2.	
							3.	
							1.	
							2.	
							3.	
							1.	
							2.	
							3.	

Plant Type: Turf (T), High (H), Medium (M), Low (L), VL (VL)

Sun Exposure: Full (F), Mostly (M), Partial Sun (PS), Partial Shade (PSH), Full

Shade (FSH), Mostly Shade (MSH)

Slope: None (N), Steep (S), Gentle (G)

Soil Type: Clay (C), Clay/Loam (CL), Loam (L), Sandy (S), Sandy/loam (SL)

Irrigation Method: Drip (D), Spray (S), Rotating Nozzles (RN), Rotor (R), Bubbler

(B), Microspray (M)

Water Type: Potable (P), Recycled (R), Graywater (G), Stormwater (S)

Note: Zone Pressure taken at beginning (1), middle (2) and end (3) of audit

Note: Microspray does not comply with MWELO

	Address		Pgof
Distribution Unifor	mity Test (DU)		
Catch-can Test Station	on Number	DU	
WM			
		vg. of DU also called Run Time	e Multiplier)

Address	Pg	_of

B. Audit Report

Table 1 B. Audit Report

Applicant:	Item:	Reviewer:	Reviewer:
Write the Plan Sheet Number	Description of Document	Pass	Fail/NA
	 Separate landscape customer service water meter or private submeter has been installed as applicable: 		
	a. Non-residential projects: Greater than 1,000 sf landscape area		
	b. Residential projects: Greater than 5,000 sf landscape area		
	2. The irrigation audit report includes:		
	a. System inspection		
	b. Inspect for leaks		
	c. System tune-up		
	d. Test the operating pressure of the irrigation system		
	e. Test to determine distribution uniformity		
	f. Test to determine precipitation rate of representative overhead irrigation valves		
	 g. Confirm matched precipitation rates on valves with sprinkler heads, rotors and other emission devices 		
	h. Report of any overspray or broken irrigation equipment		
	 Report of overspray or run off that causes overland flow 		

	Address	Pg	of
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Applicant:	Item:	Reviewer:	Reviewer:
Write the Plan Sheet Number	Description of Document	Pass	Fail/NA
	 j. Written recommendations to improve performance of the irrigation system 		
	k. Preparation of an irrigation schedule, including configuring irrigation controllers with application rate, soil types, plant factors, slope, exposure and any other factors necessary for accurate programming		
	I. Other:		

Address_	 Pg	_of	
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C. Irrigation Equipment

Table 2 C. Irrigation Equipment

Applicant:	Item:	Reviewer:	Reviewer:
Write the Plan Sheet Number	Description of Document	Pass	Fail/NA
	 Irrigation equipment is installed (location, type and size) as shown in the approved plans: 		
	 a. Automatic controller is ET-based or soil moisture-based and includes: 		
	I. Irrigation scheduling parameters		
	II. Hydrozone map		
	 Sensors installed include rain, frost (if necessary) and wind sensors (if necessary) 		
	c. Point of connection includes:		
	 I. Backflow prevention devices (if necessary) 		
	II. Manual shut-off valve (gate, ball, butterfly valve)		
	III. Master shut-off valve		
	IV.Flow sensor for landscapes over 5,000 sf only		
	d. Valves (station)		
	I. Flow rate (gpm)		
	II. Application rates (in/hr)		
	III. Design operating pressure:		
	 e. If static pressure is above or below required dynamic pressure of the system, pressure-regulating devices are installed 		
	2. Main and lateral lines		
	3. Sprinklers		

Address	Pg	of	
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Applicant:	Item:	Reviewer:	Reviewer:
Write the Plan Sheet Number	Description of Document	Pass	Fail/NA
	 a. No spray heads within 24 inches of non-permeable surface 		
	 b. Sprinkler heads and other emission devices have matched precipitation rates 		
	 Swing joints or other riser protection provided in high traffic areas and areas near hardscape 		
	4. Drip		
С	a. Emitter type and model match plan		
	b. Emitter location around plants		
	c. Operating pressure checked		
	d. Valve matches plan, specifications, height, flow rate		
	e. Valve box properly set and identified		
	f. Filter installed and serviceable		
	g. Pressure regulator installed		
	h. Wire connections meet specifications		
	i. Proper pipe type and size installed		
	 j. Piping is anchored or buried as per specifications 		
	k. Flush plugs are installed		
	I. Drip system activated by controller		
	m. Piping is anchored or buried as per specifications		
	5. Low volume irrigation (drip, drip lines, and bubblers) is used in mulched planting areas (no spray irrigation) and in areas less than 10 feet wide		
	6. Slopes greater than 25% are irrigated with an application rate not exceeding 0.75 inches per hour		

Address	Pg of	
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Applicant:	Item:	Reviewer:	Reviewer:
Write the Plan Sheet Number	Description of Document	Pass	Fail/NA
	7. Runoff, low head drainage, overspray, or other similar conditions where irrigation water flows onto non-targeted areas are prevented		
	8. Check valves or anti-drain valves are installed to prevent low head drainage		
	9. Pressure regulating devices are used if the static water pressure at the connection of the public water system does not match the water pressure needs of the irrigation system		
	10. Check irrigation legend and manufacturer's online data that sprinkler heads and other emission devices have matched precipitation rates		
	11. Confirm that swing joints or other riser protection are provided in high traffic areas and areas near hardscape		

Address	Pg	_of

D. Hydrozones

Table 3 D. Hydrozones

Applicant:	Item:	Reviewer:	Reviewer:
Write the Plan Sheet Number	Description of Document	Pass	Fail/NA
	 Match on the landscape plan and irrigation plan 		
	2. Are irrigated by valves with similar site, slope, sun exposure, soil conditions, and plant materials with similar water use		
	3. Trees are on separate valves		
	4. Biotreatment areas are on separate valves		

E. Water Features

Table 4 E. Water Features

Applicant:	Item:	Reviewer:	Reviewer:
Write the Plan Sheet Number	Description of Document	Pass	Fail/NA
	1. Use recirculating water systems		
	2. Use recycled water if available		

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F. Irrigation Schedules

Table 5 F. Irrigation Schedules

Applicant:	Item:	Reviewer:	Reviewer:
Write the Plan Sheet Number	Description of Document	Pass	Fail/NA
	1. Irrigation schedules have been developed, managed, and evaluated to utilize the minimum amount of water required to maintain plant health. Irrigation schedules shall meet the following criteria:		
	 a. Irrigation scheduling is regulated by automatic irrigation controllers 		
	 b. Overhead irrigation is scheduled between 8:00 p.m. and 10:00 a.m. unless weather conditions prevent it 		
	 c. Irrigation schedules shall be regulated by automatic irrigation controllers using current reference evapotranspiration data (e.g., CIMIS) or soil moisture sensor data 		
	2. The irrigation schedules have been developed to include the parameters used to set the automatic controller and are submitted for each of the following:		
	a. Plant establishment period		
	b. Established landscape		
	c. Temporarily irrigated areas		
	Each irrigation schedule includes the following that apply for each station (valve):		
	 a. Irrigation interval (days between irrigation) 		

	Address	Pg	of
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Applicant:	Item:	Reviewer:	Reviewer:
Write the Plan Sheet Number	Description of Document	Pass	Fail/NA
	 Irrigation run times (hours or minutes per irrigation event to avoid runoff) 		
	 Number of cycle starts required for each irrigation event to avoid runoff 		
	 d. Amount of applied water scheduled to be applied on a monthly basis 		
	e. Application rate setting		
	f. Root depth setting		
	g. Plant type setting		
С	h. Soil type		
	i. Slope factor setting		
	j. Shade factor setting		
	k. Irrigation uniformity or efficiency setting		

G. Reviewer Comments

Credit: Developed by StopWaste and the Landscape Stakeholder Advisory Group