

City of Lakewood

Facility Details

April 1, 2009

The City of Lakewood

Individual Site Reports

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City of Lakewood

Simon Bolivar Park

3300 Del Amo Boulevard

Lakewood, CA 90712

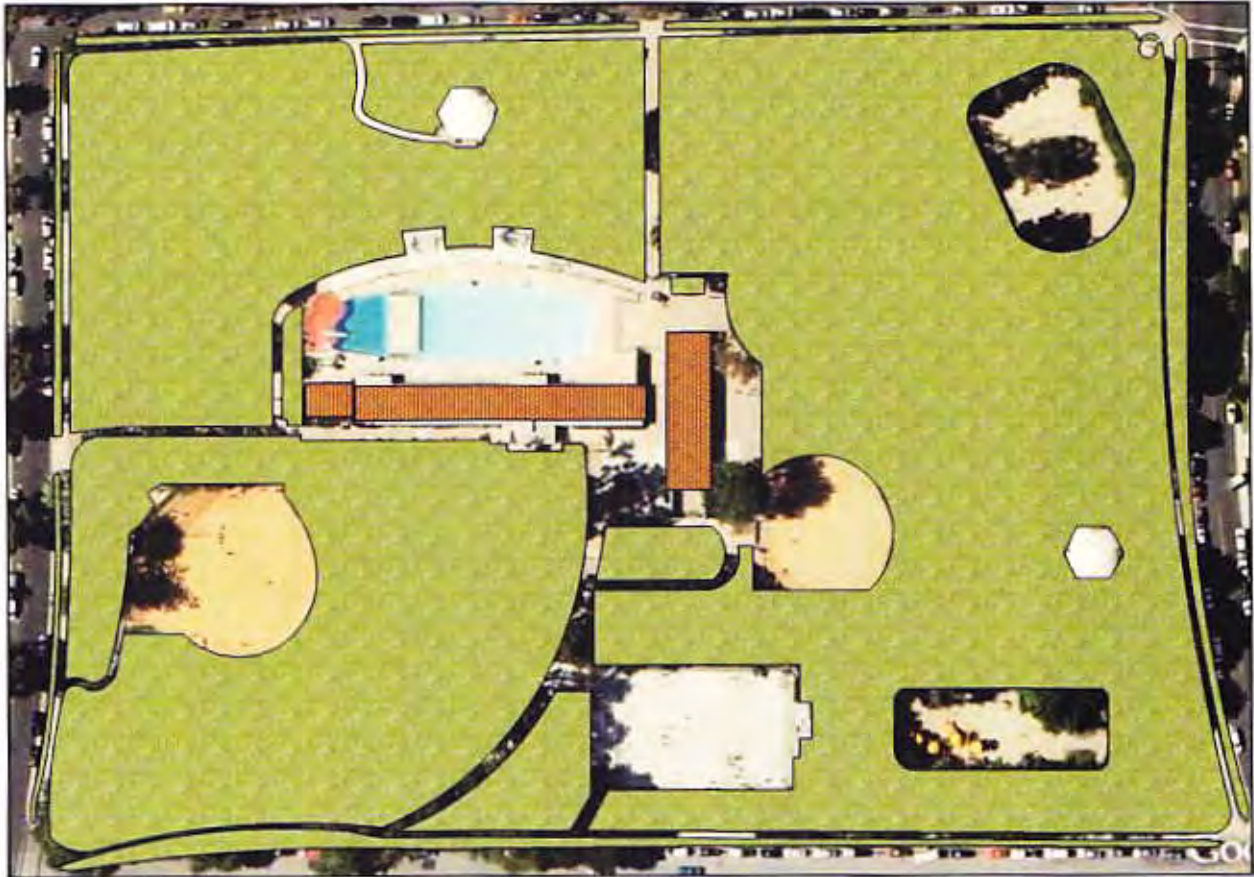
Audit Date:	November 13, 2008
Auditor:	Enrique Zanetti
Assistant:	Chris Jackson
Building Area:	9,382 sq ft
Landscape Irrigated Area:	333,996 sq ft
Total Area:	343,378 sq ft


City of Lakewood


Simon Bolivar Park

3300 Del Amo Boulevard

Lakewood, CA 90712



 Building Area: 9,382 sq ft

 Landscape Irrigated Area: 333,996 sq ft

Simon Bolivar Park

November 13, 2008



Sprinklers that are installed too low cause spray/stream blockage and create dry circles around the sprinklers.



Poor distribution uniformity may be a result of having tipped heads in the irrigation system. Correcting uniformity issues could result in water savings through decreases in run times.



The above photos are examples of leaking and broken heads that are creating major water losses. A broken/leaking head can lead to reduced pressure over an entire station.



Here is an example of a clogged nozzle. Clogged nozzles at Simon Bolivar Park can be easily reduced by routine maintenance.



Arc misalignment is a problem that is easy to solve during maintenance. On spray stations, this is causing wasted water and on rotor stations it is also affecting the distribution uniformity.



Overspray is often a problem on sidewalks and parkways. We recommend adjusting the radius of throw or replacing the nozzles with strip series nozzles types.

Landscape Data - Active Stations By Controller

Facility: Simon Bolivar Park	Address: 3300 Del Amo Blvd., Lakewood, CA 90712	Location: See map	Work Order:																																
Irrigation Controller		WBIC?:	N	Total Stations:	11	Active Stations:	9	Area Description: South & East Side of Park																											
Station No.	Microclimate	Plant Material	Plant Density	Sprinkler Type							Sprinkler Condition						System Condition					Replace Nozzles	Planter Area	Quantity	Notes										
				Sprinkler Make	Rotor	Spray	Stream Rotor	Rotary Nozzle	Bubbler	Micro Spray	Drip	Low	Tipped	Arc-Misaligned	Clogged	Leaking	Broken Head	Non-rotating Head	Overspray	Spray Blocked	Effective					Head-Head Spacing	Pressure Reading	High/Low Pressure	Broken Irr. Line	Valve Malfunction	Photograph				
1	H	T Tr	H	T		25							6						4		Y	Y		OK											
2	M	T Tr	H	T-O		19							2	2					1		Y	Y		OK		7									
3	M	T Tr	H	T		44						4	2	6						3				OK			12								
4	M	T Tr	H	T-O		37						2	8	1					1		Y	Y		OK	1		15							sprinkler in the roots of a big tree	
5	M	T	H	T-O		51							5	4					51		N	Y		OK			23							severe broken head, 6 gpm, mixed heads	
6	M	T Tr	M	T-O		36							6			3	2	1		5				OK			32							1 is clogged, low & jammed, mixed heads	
7	H	T	H	T-O		49						19	3	7	1	1	1			47				OK			38							Major runoff	
8	M	T Tr	H	T		22							5	3							Y	Y		OK											
9	M	T Tr	M	T-O		47							3	3	1	2					7			OK											Really bad design

Reference Codes								
Microclimate	Plant Material H/M/L		Density		Sprinkler Make		Area	
H	High	T	Turf	H	High	R	Rainbird	S 25 sq ft
M	Medium	S	Shrubs	M	Medium	T	Toro	M 50 sq ft
L	Low	G	Ground Cover	L	Low	H	Hunter	L 100 sq ft
			M					Mixed
			Tr	Trees			O	Other

Soil Type	Water Source
Clay	Potable O
Loam O	Recycled
Sand	
Turf Information	
Existing Synthetic Turf:	N
System Information	
Booster Pump:	N
Pressure Regulator:	N

Auditor Name: Enrique Zanetti
Auditor Name: Chris Jackson
Time In:
Appointment:

Landscape Data - Active Stations By Controller

Facility: Simon Bolivar Park	Address: 3300 Del Amo Blvd., Lakewood, CA	Location: See map	Work Order:
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Irrigation Controller Make & Model: Aqua Dial Ace 23 (Controller II)	WBIC?: N	Total Stations: 23	Active Stations: 21	Area Description: east side of park
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Station No.	Microclimate	Plant Material	Plant Density	Sprinkler Type								Sprinkler Condition							System Condition							Replace Nozzles	Planter Area	Quantity	Notes
				Sprinkler Make	Rotor	Spray	Stream Rotor	Rotary Nozzle	Bubbler	Micro Spray	Drip	Low	Tipped	Arc Misaligned	Clogged	Leaking	Broken Head	Non-rotating Head	Overspray	Spray Blocked	Effective	Head-Head Spacing	Pressure Reading	High/Low Pressure	Broken Irr. Line				
1	H	TTr	H	T		26													N	Y		OK					S		Bad design
2	H	TTr	H	T		15													Y	Y		OK			46		S		Mixed nozzles
4	H	TTr	H	HR	13													Y	Y	45	OK			52		S		bad design, mixed nozzles	
5	H	T	H	HO	7													Y	Y	45	L			56		S		O means Thompson	
6	M	TTr	H	HO	6													Y	Y	40	L			62		S		bad design	
7	M	TTr	H	HT	4													Y	Y	35	L					S		Old sprinklers toro, sidewalk is irrigated from one side	
8	H	TTr	H	HO	9													Y	Y	30	L			67		S		Mixed sprinklers, different nozzles in the same area	
9	H	T	H	TO		28												N	Y		OK			71		S		All are overspray	
10	L	T	M	T		10												Y	N		OK					S			
11	H	TTr	H	HTO	9													Y	Y	30	L			75		S		irrigating the picnic area	
12	M	TTr	H	HO	4													Y	Y	40	L					S		irrigating the picnic area	

Reference Codes								
Microclimate	Plant Material H/M/L		Density		Sprinkler Make		Area	
H	High	T	Turf	H	High	R	Rainbird	S 23 sq ft
M	Medium	S	Shrubs	M	Medium	T	Toro	M 50 sq ft
L	Low	G	Ground Cover	L	Low	H	Hunter	L 100 sq ft
		M	Mixed			I	Irritrol	
		Tr	Trees			O	Other	

Soil Type		Water Source	
Clay		Potable	O
Loam	O	Recycled	
Sand			
Turf Information			
Existing Synthetic Turf:		N	
System Information			
Booster Pump:		N	
Pressure Regulator:		N	

Auditor Name: Enrique Zanetti

Auditor Name: Chris Jackson

Time In:

Appointment:

Landscape Data - Active Stations By Controller

Facility: Simon Bolivar Park			Address: 3300 Del Amo Blvd., Lakewood, CA													Location: See map				Work Order:									
Irrigation Controller Make & Model: Aqua Dial Ace 23 (Controller II)													WBIC?: N		Total Stations: 23		Active Stations: 21		Area Description: east side of park										
Station No.	Microclimate	Plant Material	Plant Density	Sprinkler Type								Sprinkler Condition								System Condition						Replace Nozzles	Planter Area	Quantity	Notes
				Sprinkler Make	Rotor	Spray	Stream Rotor	Rotary Nozzle	Bubbler	Micro Spray	Drip	Low	Tipped	Arc Misaligned	Clogged	Leaking	Broken Head	Non-rotating Head	Overspray	Spray Blocked	Effective	Head-Head Spacing	Pressure Reading	High/Low Pressure	Broken Irr. Line				
13	H	TTr	H	HR O	10						7	2						1		Y	Y	30	L			82			irrigating the picnic area
14	H	TTr	H	HR	9								3	5		1		2		Y	Y	35	L						
15	H	TTr	H	HT O	10						4	3	5				1	2	2	Y	Y	35	L						
16	M	TTr	H	TO		32						5	8	2	1				Y	Y		OK							
17	M	TTr	H	TO		22					1	9				2		1	Y	Y		OK							
18	M	TTr	H	T		26					2	6	5		2			1	Y	Y		OK			91				
19	L	TTr	M	T		24						1	2	5	2	1		2	Y	Y		OK			105			bad design inside playground	
20	M	T	H	TO		41					2	4	15		8				Y	Y		OK			95			bad design on sidewalk, 1 leak	
21	M	TTr	H	HO	9						4	1			1		4		Y	Y	35	L						bad design, mixed heads	
22	M	TTr	H	T		32					9	9	13		4				Y	Y		OK			103			sidewalk bad design	

Reference Codes				
Microclimate	Plant Material	H/M/L	Density	Area
H	High	T	Turf	H High 25 sq ft
M	Medium	S	Shrubs	M Medium 50 sq ft
L	Low	G	Ground Cover	L Low 100 sq ft
		M	Mixed	
	Tr	Trees		

Soil Type	Water Source
Clay	Potable O
Loam	O Recycled
Sand	
Turf Information	
Existing Synthetic Turf:	N
System Information	
Booster Pump:	N
Pressure Regulator:	N

Auditor Name: Enrique Zanetti
Auditor Name: Chris Jackson
Time In:
Appointment:

Landscape Data - Active Stations By Controller

Facility: Simon Bolivar Park				Address: 3300 Del Amo Blvd., Lakewood, CA										Location: See map				Work Order:														
Irrigation Controller				WBIC?: N		Total Stations: 24		Active Stations: 22		Area Description: west & south side																						
Make & Model: Rain Master Sentar II (Controller III)																																
Station No.	Microclimate	Plant Material	Plant Density	Sprinkler Type								Sprinkler Condition						System Condition						Replace Nozzles	Planter Area	Quantity	Notes					
				Sprinkler Make	Rotor	Spray	Stream Rotor	Rotary Nozzle	Bubbler	Micro Spray	Drip	Low	Tipped	Arc Misaligned	Clogged	Leaking	Broken Head	Non-rotating Head	Overspray	Spray Blocked	Effective	Head-Head Spacing	Pressure Reading					High/Low Pressure	Broken Irr. Line	Valve Malfunction	Photograph	
1	M	T Tr	H	HO	7													1		Y	Y	40	L			110				Thompson heads		
3	H	T	M	H	12														Y	Y	20	L										
4	M	T Tr	H	HO	5														Y	Y	30	L										
5	H	T	H	HR	2														Y	Y	40	L										
6	M	T Tr	H	HO	3														Y	Y	35	L			111							
7	H	T	H	T		38													N	Y		OK			117					a lot of old leaking heads		
8	M	T	H	HO	3														Y	Y	38	L			118							
9	H	T	H	HO	2														Y	Y	45	OK			119							
10	M	T Tr	H	HO	8														Y	Y	30	L										
11	M	T Tr	H	HO	6														Y	Y	35	L										
12	M	T Tr	H	HR O	7														Y	Y	35	L									1 is not rotating	

Reference Codes								
Microclimate	Plant Material H/M/L			Density		Sprinkler Make		Area
H	High	T	Turf	H	High	R	Rainbird	S 25 sq ft
M	Medium	S	Shrubs	M	Medium	T	Toro	M 50 sq ft
L	Low	G	Ground Cover	L	Low	H	Hunter	L 100 sq ft
		M	Mixed			I	Irritrol	
		Tr	Trees			O	Other	

Soil Type	Water Source
Clay	Potable O
Loam	O Recycled
Sand	
Turf Information	
Existing Synthetic Turf:	N
System Information	
Booster Pump:	N
Pressure Regulator:	N

Auditor Name: Enrique Zanetti

Auditor Name: Chris Jackson

Time In:

Appointment:

Landscape Data - Active Stations By Controller

Facility: Simon Bolivar Park	Address: 3300 Del Amo Blvd., Lakewood, CA	Location: See map	Work Order:
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Irrigation Controller Make & Model: Rain Master Sentar II (Controller III)	WBIC?: N	Total Stations: 24	Active Stations: 22	Area Description: west & south side
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Station No.	Microclimate	Plant Material	Plant Density	Sprinkler Type								Sprinkler Condition						System Condition						Replace Nozzles	Planter Area	Quantity	Notes					
				Sprinkler Make	Rotor	Spray	Stream Rotor	Rotary Nozzle	Bubbler	Micro Spray	Drip	Low	Tipped	Arc Misaligned	Clogged	Leaking	Broken Head	Non-rotating Head	Overspray	Spray Blocked	Effective	Head-Head Spacing	Pressure Reading					High/Low Pressure	Broken Irr. Line	Valve Malfunction	Photograph	
13	M	TTr	H	H	6													1	1	Y	Y	35	L			122				I is not rotating		
14	H	T	H	HO	5													3	1	Y	Y	40	L			125						
15	H	T	H	TO		58												5	3	1		20				130				old leaking heads & a Major broken head 6 gpm		
16	M	TTr	H	TO		39												3	3	2	1	2				132						
17	H	TTr	H	HT	7													4	1													
18	M	TTr	H	H	7													3		3							133				I is not rotating, is over watering	
19	H	TTr	H	HR	8													2	3	1												
20	H	T	H	TO		40												2	4	6		14					139					
21	M	TTr	H	TO		37													5	6	2	2						140				
23	M	TTr	H	RH	6																											
24	M	T	H	R	6																											

Reference Codes								
Microclimate	Plant Material H/M/L			Density		Sprinkler Make		Area
H	High	T	Turf	H	High	R	Rainbird	S 25 sq ft
M	Medium	S	Shrubs	M	Medium	T	Toro	M 50 sq ft
L	Low	G	Ground Cover	L	Low	H	Hunter	L 100 sq ft
		M	Mixed			I	Irritrol	
		Tr	Trees			O	Other	

Soil Type	Water Source
Clay	Potable O
Loam O	Recycled
Sand	
Turf Information	
Existing Synthetic Turf:	N
System Information	
Booster Pump:	N
Pressure Regulator:	N

Auditor Name: Enriqe Zanetti

Auditor Name: Chris Jackson

Time In:

Appointment:

Landscape Data - Active Stations By Controller

Facility: Simon Bolivar Park				Address: 3300 Del Amo Blvd., Lakewood, CA				Location: See map				Work Order:																								
Irrigation Controller				WBIC?: N				Total Stations: 1				Active Stations: 1				Area Description: west side of the swimming pool																				
Make & Model: Manual																																				
Station No.	Microclimate	Plant Material	Plant Density	Sprinkler Type								Sprinkler Condition								System Condition								Notes								
				Sprinkler Make	Rotor	Spray	Stream Rotor	Rotary Nozzle	Bubbler	Micro Spray	Drip	Low	Tipped	Arc Misaligned	Clogged	Leaking	Broken Head	Non-rotating Head	Overspray	Spray Blocked	Effective	Head-Head Spacing	Pressure Reading	High/Low Pressure	Broken Irr. Line	Valve Malfunction	Photograph		Replace Nozzles	Planter Area	Quantity					
1	M	T S	H	T		14								2																						

Reference Codes							
Microclimate	Plant Material	H/M/L	Density	Sprinkler Make	Area		
H	High	T	Turf	H	High	R Rainbird	S 25 sq ft
M	Medium	S	Shrubs	M	Medium	T Toro	M 50 sq ft
L	Low	G	Ground Cover	L	Low	H Hunter	L 100 sq ft
	M		Mixed			I Irritrol	
	Tr		Trees			O Other	

Soil Type		Water Source	
Clay		Potable	O
Loam	O	Recycled	
Sand			
Turf Information			
Existing Synthetic Turf:		N	
System Information			
Booster Pump:		N	
Pressure Regulator:		N	

Auditor Name: Enrique Zanetti
Auditor Name: Chris Jackson
Time In:
Appointment:



City of Lakewood

Bloomfield Park

21420 Pioneer Boulevard
Lakewood, CA 90716

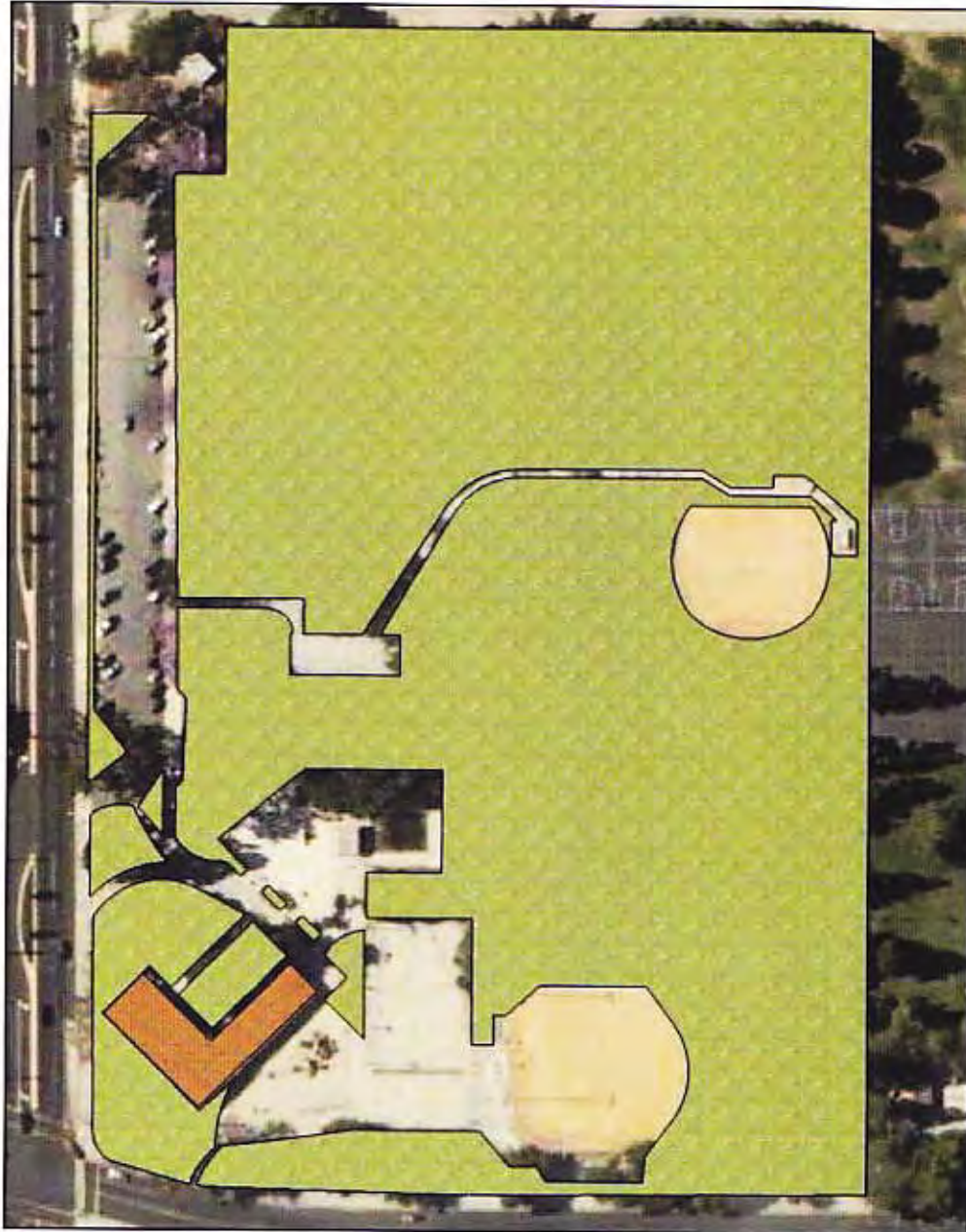
Audit Date:	December 4, 2008
Auditor:	Enrique Zanetti
Assistant:	Chris Jackson
Building Area:	7,620 sq ft
Landscape Irrigated Area:	426,719 sq ft
Total Area:	434,339 sq ft


City of Lakewood


Bloomfield Park

21420 Pioneer Boulevard

Lakewood, CA 90716



 Building Area: 7,620 sq ft

 Landscape Irrigated Area: 426,719 sq ft

Bloomfield Park

December 4, 2008



This is an example of a low rotor. Of the 152 rotors that we audited, 14% were low which causes pooling around the base of the rotor and poor distribution uniformity.



Over 10% of the sprinklers were tipped. Tipped sprinkler heads cause uneven distribution of water.



Here are two examples of arc misalignment. The arc on these rotor heads should be rotated to water the lawn area instead of the sidewalks.



Here is an example of a blocked rotor of 14 blocked rotors we found. This is not only unhealthy for the tree but, inefficient for the uniformity of water being distributed.



Station 5, was battery operated and overspraying onto a hardscape. We recommend either adjusting the radius of throw or downsizing nozzles.



Of the 11 active stations at Controller I which were irrigating large lawn areas, 8 stations were operating at lower than optimum pressure. Check the control valves or downsize the nozzles.

Landscape Data - Active Stations By Controller

Facility: Bloomfield Park	Address: 21420 Pioneer Blvd. Lakewood, CA, 90716	Location: See map	Work Order:
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Irrigation Controller Make & Model: Rain Master Sentor II (Controller I)	WBIC?: N	Total Stations: 24	Active Stations: 13	Area Description: Sport Field, sidewalks & recreation area
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Station No.	Microclimate	Plant Material	Plant Density	Sprinkler Type								Sprinkler Condition								System Condition						Replace Nozzles	Planter Area	Quantity	Notes				
				Sprinkler Make	Rotor	Spray	Stream Rotor	Rotary Nozzle	Bubbler	Micro Spray	Drip	Low	Tipped	Arc Misaligned	Clogged	Leaking	Broken Head	Non-rotating Head	Overspray	Spray Blocked	Effective	Head-Head Spacing	Pressure Reading	High/Low Pressure	Broken Irr. Line					Valve Malfunction	Photograph		
5	H	TTr	H	HR O	16								2	5	1					2		Y	N	30	L	1		1					
6	H	TTr	H	HR O	15								2	1	1							Y	N	25	L			5					
7	M	TTr	H	H	4									1								Y	N	45	L			8					
9	H	S	M	T		17																N	N		L								Many are completely clogged
11	M	TTr	H	H	10								2	1	1					2		Y	N	25	L								2 heads are not rotating
12	H	TTr	H	H	14								3	1								Y	N	30	L								
13	H	TTr	H	HO	12																	Y	N	30	L								
15	H	TTr	H	HR O	16									2	1					3		Y	N	40	H			22					Misting
16	M	TTr	4	HR O	14								4	2								Y	N	50	OK								
17	H	TTr	H	HR O	14									1								Y	N	30	L			24					
19	M	TTr	H	R	16									1						1	1	Y	Y	20	L			28					

Reference Codes									
Microclimate	Plant Material	H/M/L	Density	Sprinkler Make	Area				
H	High	T	Turf	H	High	R	Rainbird	S	25 sq ft
M	Medium	S	Shrubs	M	Medium	T	Toro	M	50 sq ft
L	Low	G	Ground Cover	L	Low	H	Hunter	L	100 sq ft
		M	Mixed			I	Irritrol		
		Tr	Trees			O	Other		

Soil Type	Water Source
Clay	Potable
Loam	Recycled
Sand	
Turf Information	
Existing Synthetic Turf:	N
System Information	
Booster Pump:	Y
Pressure Regulator:	Y

Auditor Name: Enrique Zanetti

Auditor Name: Chris Jackson

Time In:

Appointment:

Landscape Data - Active Stations By Controller

Facility: Bloomfield Park				Address: 21420 Pioneer Blvd. Lakewood, CA, 90716										Location: See map				Work Order:															
Irrigation Controller				Make & Model: Rain Master Sentor II (Controller I)				WBIC?: N		Total Stations: 24		Active Stations: 13		Area Description: Sport Field, sidewalks & recreation area																			
Station No.	Microclimate	Plant Material	Plant Density	Sprinkler Type							Sprinkler Condition							System Condition							Replace Nozzles	Planter Area	Quantity	Notes					
				Sprinkler Make	Rotor	Spray	Stream Rotor	Rotary Nozzle	Bubbler	Micro Spray	Drip	Low	Tipped	Arc Misaligned	Clogged	Leaking	Broken Head	Non-rotating Head	Overspray	Spray Blocked	Effective	Head-Head Spacing	Pressure Reading	High/Low Pressure					Broken Irr. Line	Valve Malfunction	Photograph		
22	M	T Tr	H	R	20										2						3		Y	Y	40	OK			30				
23	M	T Tr	H	T	1	47	1								8						1		Y	N		OK			33				Bad Design

Reference Codes								
Microclimate	Plant Material H/M/L			Density		Sprinkler Make		Area
H	High	T	Turf	H	High	R	Rainbird	S 25 sq ft
M	Medium	S	Shrubs	M	Medium	T	Toro	M 50 sq ft
L	Low	G	Ground Cover	L	Low	H	Hunter	L 100 sq ft
		M	Mixed			I	Irritrol	
		Tr	Trees			O	Other	

Soil Type	Water Source
Clay	Potable
Loam	0 Recycled
Sand	
Turf Information	
Existing Synthetic Turf:	N
System Information	
Booster Pump:	Y
Pressure Regulator:	Y

Auditor Name: Enrique Zanetti

Auditor Name: Chris Jackson

Time In:

Appointment:

Landscape Data - Active Stations By Controller

Facility: Bloomfield Park				Address: 21420 Pioneer Blvd., Lakewood, Ca.										Location: See map				Work Order:									
Irrigation Controller				WBIC?: N				Total Stations: 11				Active Stations: 10				Area Description: Sidewalks & planters											
Make & Model: Manual Valves - Unik (battery operated)																											
Station No.	Microclimate	Plant Material	Plant Density	Sprinkler Type							Sprinkler Condition							System Condition						Replace Nozzles	Planter Area	Quantity	Notes
				Sprinkler Make	Rotor	Spray	Stream Rotor	Rotary Nozzle	Bubbler	Micro Spray	Drip	Low	Tipped	Arc Misaligned	Clogged	Leaking	Broken Head	Non-rotating Head	Overspray	Spray Blocked	Effective	Head-Head Spacing	Pressure Reading				
1	M	T Tr	H	OT		17						5	2						Y	N	OK			35			A lot of run off. Stations 1 & 2 work at same time
2	M	T Tr	H	OT															Y	N	OK						Stations 1 & 2 work at same time
3	M	S Tr	H	O		8											8		Y	N	OK			36			
4	M	T Tr	H	T	6														Y	Y	35	OK			37		
5	M	T Tr	H	O			10						2	1	1		3		Y	Y		H			41		
6	M	S Tr	H	T		4											4		Y	N		H			42		2 Planters
7	M	T	H	T		18													Y	N		OK					
8	M	T Tr	H	HO	15							1		1		1			Y	N	30	OK			43		
9	H	T Tr	H	HR O	16														Y	N	25	L					
10	H	T Tr	H	TR O	16						1			1		1			Y	N	40	OK					
11	M	T Tr	H	HR O	9								1				1		Y	N	35	OK					

Reference Codes									
Microclimate	Plant Material H/M/L	Density	Sprinkler Make	Area					
H	High	T	Turf	H	High	R	Rainbird	S	21 sq ft
M	Medium	S	Shrubs	M	Medium	T	Toro	M	50 sq ft
L	Low	G	Ground Cover	L	Low	H	Hunter	L	100 sq ft
		M	Mixed			I	Irritrol		
		Tr	Trees			O	Other		

Soil Type	Water Source
Clay	Potable
Loam	0
Sand	Recycled
Turf Information	
Existing Synthetic Turf:	N
System Information	
Booster Pump:	Y
Pressure Regulator:	Y

Auditor Name: Enrique Zanetti

Auditor Name: Chris Jackson

Time In:

Appointment:



City of Lakewood

Biscailuz Park

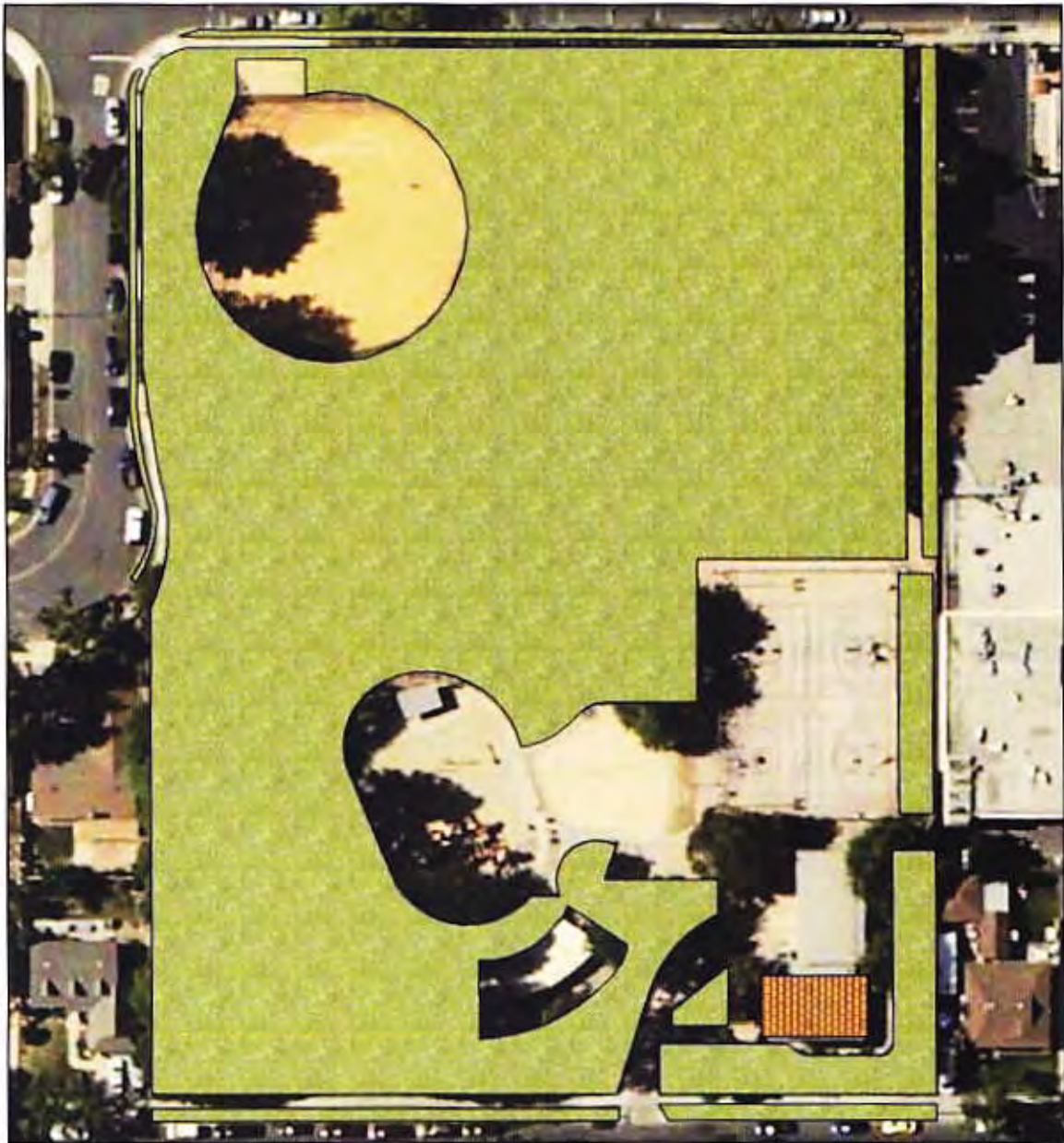
2601 Dollar Street
Lakewood, CA 90712


Audit Date:	December 4, 2008
Auditor:	Enrique Zanetti
Assistant:	Chris Jackson
Building Area:	1,304 sq ft
Landscape Irrigated Area:	123,702 sq ft
Total Area:	125,006 sq ft


City of Lakewood

Biscailuz Park

2601 Dollar Street
Lakewood, CA 90712



 Building Area: 1,304 sq ft

 Landscape Irrigated Area: 123,702 sq ft

Biscailuz Park

December 4, 2008



About 14% of the sprinklers were tipped. Tipped sprinkler heads cause uneven distribution of water.



Here is an example of a rotor with arc misalignment. A total of 34 sprinklers at Biscailuz Park were out of alignment.



Over 25% of the sprinklers at Controller I were found broken. Broken sprinklers should be kept to a minimum with maintenance, these broken sprinklers are creating major water losses.



The above photo shows low sprinkler heads with high water pressure resulting in misting. Misting can be fixed by adding pressure regulators.



This photo shows a low rotor. Low sprinklers produce poor water distribution uniformity and pooling at the base of the sprinkler.



Overspray is often a problem on sidewalks and parkways. We recommend replace the nozzles with strip series nozzle types at stations 4 and 10 Controller I and manual station 5.

Landscape Data - Active Stations By Controller

Facility: Biscailuz Park	Address: 2601 Dollar St., Lakewood, Ca.	Location: See map	Work Order:
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Irrigation Controller Make & Model: Aqua Dial 523A (Controller I)	WBIC?: N	Total Stations: 24	Active Stations: 19	Area Description: Field
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Station No.	Microclimate	Plant Material	Plant Density	Sprinkler Type							Sprinkler Condition							System Condition					Replace Nozzles	Planter Area	Quantity	Notes									
				Sprinkler Make	Rotor	Spray	Stream Rotor	Rotary Nozzle	Bubbler	Micro Spray	Drip	Low	Tipped	Arc Misaligned	Clogged	Leaking	Broken Head	Non-rotating Head	Overspray	Spray Blocked	Effective	Head-Head Spacing					Pressure Reading	High/Low Pressure	Broken Irr. Line	Valve Malfunction	Photograph				
13	H	T	H	TO		28								11	2	6	1		1							Y	Y		H			51			
15	H	T Tr	H	HO	3											1		1								Y	Y	40	L						
17	H	T Tr	H	HO	8											1		2	1		2					Y	Y	30	L						
18	H	T	H	HO	6											2		1								Y	Y	30	L						
19	H	T	H	HO	1													1		1						Y	N	40	L						
20	H	T Tr	H	HO	4											1		1			2					Y	Y	40	L						
21	H	T Tr	H	HO	5										1	2										Y	Y	35	L						
22	H	T Tr	H	RO	4										1	2					1					Y	Y	35	L						

Reference Codes									
Microclimate	Plant Material H/M/L		Density		Sprinkler Make		Area		
H	High	T	Turf	H	High	R	Rainbird	S	25 sq ft
M	Medium	S	Shrubs	M	Medium	T	Toro	M	50 sq ft
L	Low	G	Ground Cover	L	Low	H	Hunter	L	100 sq ft
		M	Mixed			I	Irritrol		
		Tr	Trees			O	Other		

Soil Type		Water Source	
Clay		Potable	O
Loam	O	Recycled	
Sand			
Turf Information			
Existing Synthetic Turf:		N	
System Information			
Booster Pump:		N	
Pressure Regulator:		N	

Auditor Name: Enrique Zanetti
Auditor Name: Chris Jackson
Time In:
Appointment:

Landscape Data - Active Stations By Controller

Facility: Biscailuz Park				Address: 2601 Dollar St., Lakewood, CA, 90712												Location: See map				Work Order:													
Irrigation Controller				WBIC?: N				Total Stations: 5				Active Stations: 5				Area Description: Field																	
Make & Model: Manual Stations																																	
Station No.	Microclimate	Plant Material	Plant Density	Sprinkler Type							Sprinkler Condition							System Condition							Replace Nozzles	Planter Area	Quantity	Notes					
				Sprinkler Make	Rotor	Spray	Stream Rotor	Rotary Nozzle	Bubbler	Micro Spray	Drip	Low	Tipped	Arc Misaligned	Clogged	Leaking	Broken Head	Non-rotating Head	Overspray	Spray Blocked	Effective	Head-Head Spacing	Pressure Reading	High/Low Pressure					Broken Irr. Line	Valve Malfunction	Photograph		
1	M	TTr	H	T		11								2	3	3	1			2		Y	Y		L								
2	H	S	H	TO		7								1	1					1	3	Y	Y		H								
3	H	TTr	H	HTO	6									1			1		1			Y	Y	35	L								
4	H	T	H	HO	5					1	2	5								1		Y	Y	35	L								
5	M	S	L	O		24					1	2	2	3						24	2	Y	Y		H								

Reference Codes									
Microclimate	Plant Material H/M/L			Density		Sprinkler Make		Area	
H	High	T	Turf	H	High	R	Rainbird	S	25 sq ft
M	Medium	S	Shrubs	M	Medium	T	Toro	M	50 sq ft
L	Low	G	Ground Cover	L	Low	H	Hunter	L	100 sq ft
		M	Mixed			I	Irritrol		
		Tr	Trees			O	Other		

Soil Type		Water Source	
Clay		Potable	O
Loam	O	Recycled	
Sand			
Turf Information			
Existing Synthetic Turf:		N	
System Information			
Booster Pump:		N	
Pressure Regulator:		N	

Auditor Name: Enrique Zanetti

Auditor Name: Chris Jackson

Time In:

Appointment:




City of Lakewood
Candle Verde Park
6300 Candle Wood Street
Lakewood, CA 90713

Audit Date:	November 19, 2008
Auditor:	Kelly Takai
Assistant:	Kosta Duncan
Landscape Irrigated Area:	87,705 sq ft
Total Area:	87,705 sq ft

City of Lakewood
Candle Verde Park
6300 Candle Wood Street
Lakewood, CA 90713



 Landscape Irrigated Area: 87,705 sq ft

Landscape Data - Active Stations By Controller

Facility: Candle Verde Park	Address: 6300 Candlewood St., Lakewood, CA 90713	Location: See map	Work Order:
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Irrigation Controller Make & Model: Rain Master Sentar	WBIC?: N	Total Stations: 12	Active Stations: 9	Area Description: Field
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Station No.	Microclimate	Plant Material	Plant Density	Sprinkler Type								Sprinkler Condition								System Condition							Replace Nozzles	Planter Area	Quantity	Notes	
				Sprinkler Make	Rotor	Spray	Stream Rotor	Rotary Nozzle	Bubbler	Micro Spray	Drip	Low	Tipped	Arc Misaligned	Clogged	Leaking	Broken Head	Non-rotating Head	Overspray	Spray Blocked	Effective	Head-Head Spacing	Pressure Reading	High/Low Pressure	Broken Irr. Line	Valve Malfunction					Photograph
1	H	T	H	H	10							1	4				1					Y	Y		OK			21	S M L		
2	H	T	H	H	9							2										Y	Y		OK			22	S M L		
4	H	T	H	H	5																	Y	Y		OK				S M L		
5	H	T	H	H	7							4	1									Y	Y		OK			24	S M L		
6	H	T	H	H	8								1	3						1		Y	Y		OK			25	S M L		
7	H	T	H	H	7							2	3	4	1	1						Y	Y		OK			27	S M L		
9	L	TTr	H	H	4							4					1	1			4	Y	Y		OK				S M L		
10	M	TTr	H	H	2							2										Y	Y		OK			28	S M L		
11	H	T	H	HR	7	5						1				1						Y	Y		OK			32	S M L		

Reference Codes				
Microclimate	Plant Material H/M/L	Density	Sprinkler Make	Area
H	High	T	Turf	H High
M	Medium	S	Shrubs	M Medium
L	Low	G	Ground Cover	L Low
	M	Mixed		
	Tr	Trees		
			I Irritrol	
			O Other	

Soil Type	Water Source
Clay	Potable O
Loam O	Recycled
Sand	
Turf Information	
Existing Synthetic Turf:	N
System Information	
Booster Pump:	N
Pressure Regulator:	N

Auditor Name: Kelly Takai

Auditor Name: Kosta Duncan

Time In:

Appointment:



City of Lakewood

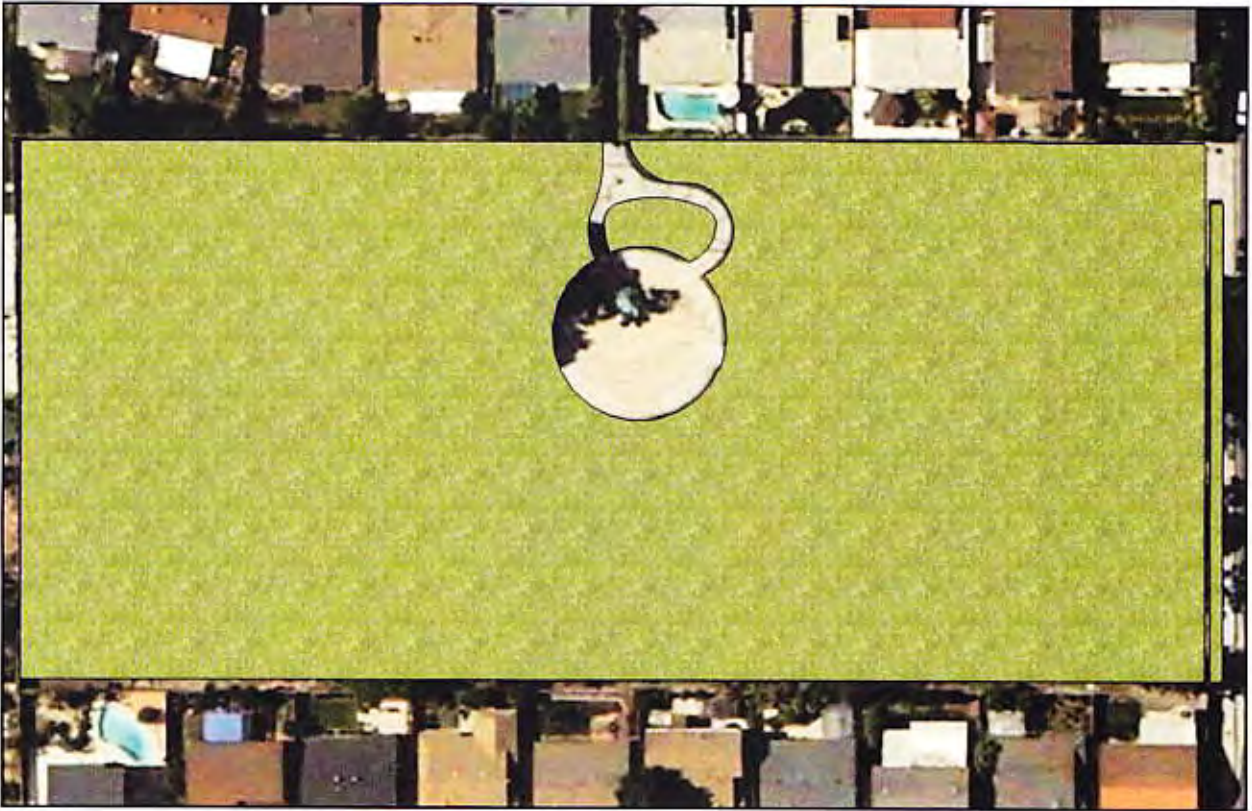
Cherry Cove Park


5149 Meadow Wood Avenue
Lakewood, CA 90712

Audit Date:	December 19, 2008
Auditor:	Kelly Takai
Assistant:	Kosta Duncan

Landscape Irrigated Area:	119,374 sq ft
Total Area:	119,374 sq ft

City of Lakewood
Cherry Cove Park
5149 Meadow Wood Avenue
Lakewood, CA 90712



 Landscape Irrigated Area: 119,374 sq ft

Landscape Data - Active Stations By Controller

Facility: Cherry Cove Park	Address: 5149 Meadow Wood Ave., Lakewood, CA 90712	Location: See map	Work Order:
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Irrigation Controller Make & Model: Aqua-Dial	WBIC?: N	Total Stations: 12	Active Stations: 11	Area Description: Field
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Station No.	Microclimate	Plant Material	Plant Density	Sprinkler Type								Sprinkler Condition								System Condition								Replace Nozzles	Planter Area	Quantity	Notes
				Sprinkler Make	Rotor	Spray	Stream Rotor	Rotary Nozzle	Bubbler	Micro Spray	Drip	Low	Tipped	Arc Misaligned	Clogged	Leaking	Broken Head	Non-rotating Head	Overspray	Spray Blocked	Effective	Head-Head Spacing	Pressure Reading	High/Low Pressure	Broken Irr. Line	Valve Malfunction	Photograph				
1	H	T	H	R		22													Y	Y		OK									
2	L	TTr	H	T	3	1	17										1		Y	Y		OK			34					Mixed heads	
3	L	TTr	H	T			21										2		Y	Y		OK			35						
4	L	TTr	H	T		17	2										1		Y	Y		OK								Mixed heads	
5	H	T	H	T	6												1	1	Y	Y		OK			36						
6	M	TTr	H	T	1		16												1	Y	Y		OK							Mixed heads	
7	M	TTr	H	T	9														5	Y	Y		OK			38					
8	H	T	H	T	6														1	Y	Y		OK								
9	H	T	H	T	6														Y	Y		OK									
10	M	T	H	T	8														Y	Y		OK									
11	H	T	H	T	3														Y	Y		OK									

Reference Codes									
Microclimate	Plant Material H/M/L	Density	Sprinkler Make	Area					
H	High	T	Turf	H	High	R	Rainbird	S	25 sq ft
M	Medium	S	Shrubs	M	Medium	T	Toro	M	50 sq ft
L	Low	G	Ground Cover	L	Low	H	Hunter	L	100 sq ft
		M	Mixed			I	Irritrol		
		Tr	Trees			O	Other		

Soil Type	Water Source
Clay	Potable O
Loam O	Recycled
Sand	

Turf Information	
Existing Synthetic Turf:	N

System Information	
Booster Pump:	N
Pressure Regulator:	N

Auditor Name: Kelly Takai
Auditor Name: Kosta Duncan
Time In:
Appointment:

