

Robert Mitchell & Associates
 22982 El Toro Road
 Lake Forest, CA 92630
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IRRIGATION SCHEDULES

10/7/11

Project Site Information

Job #1078 R
 BRIDGES HVP-1B COMMUNITY PARK
 HERITAGE VALLEY PARKS
 Fillmore, CA

Project Contact Information

LANDSTONE COMMUNITIES
 12011 San Los Angeles, CA 90049 Vicente Blvd., Suite
 Los Angeles, CA 90049
 (310) 889-1076

Controller B

Program: A

B-2

TURF - MPR rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	20:50	27:43	19:28	26:24	14:56	16:40	16:40	15:58	26:24	19:28	27:45	20:50
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	63.1 GPM											
Precip Rate:	0.64 in/hr											

B-3

TURF - spray - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	09:13	12:16	08:37	11:41	06:37	07:23	07:23	07:04	11:41	08:37	12:17	09:13
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	63.1 GPM											
Precip Rate:	1.73 in/hr											

Program: B

B-1

SHRUBS - spray - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	10:05	06:42	09:25	08:31	09:39	10:46	10:46	10:18	08:31	09:25	06:43	10:05
Cycles Per Day	1	2	2	3	3	3	3	3	3	2	2	1
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	50.9 GPM											
Precip Rate:	1.73 in/hr											

B-4

FESCUE - P/C rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	14:35	22:11	15:34	21:07	23:54	13:20	13:20	25:32	21:07	15:34	22:12	14:35
Cycles Per Day	2	1	1	1	1	2	2	1	1	1	1	2
Days to Irrigate	1	2	3	4	4	4	4	4	4	3	2	1
Valve Total Flow:	85.2 GPM											
Precip Rate:	0.85 in/hr											

B-5

FESCUE - F/C rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	29:30	44:53	31:31	42:45	48:23	27:00	27:00	51:42	42:45	31:31	44:57	29:30
Cycles Per Day	2	1	1	1	1	2	2	1	1	1	1	2
Days to Irrigate	1	2	3	4	4	4	4	4	4	3	2	1
Valve Total Flow:	85.2 GPM											
Precip Rate:	0.42 in/hr											

B-6

FESCUE - P/C rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	14:35	22:11	15:34	21:07	23:54	13:20	13:20	25:32	21:07	15:34	22:12	14:35
Cycles Per Day	2	1	1	1	1	2	2	1	1	1	1	2
Days to Irrigate	1	2	3	4	4	4	4	4	4	3	2	1
Valve Total Flow:	88.8 GPM											
Precip Rate:	0.85 in/hr											

B-7

FESCUE - F/C rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	29:30	44:53	31:31	42:45	48:23	27:00	27:00	51:42	42:45	31:31	44:57	29:30
Cycles Per Day	2	1	1	1	1	2	2	1	1	1	1	2
Days to Irrigate	1	2	3	4	4	4	4	4	4	3	2	1
Valve Total Flow:	85.8 GPM											
Precip Rate:	0.42 in/hr											

B-8

FESCUE - P/C rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	14:35	22:11	15:34	21:07	23:54	13:20	13:20	25:32	21:07	15:34	22:12	14:35
Cycles Per Day	2	1	1	1	1	2	2	1	1	1	1	2
Days to Irrigate	1	2	3	4	4	4	4	4	4	3	2	1
Valve Total Flow:	85.2 GPM											
Precip Rate:	0.85 in/hr											

B-9

FESCUE - F/C rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	29:30	44:53	31:31	42:45	48:23	27:00	27:00	51:42	42:45	31:31	44:57	29:30
Cycles Per Day	2	1	1	1	1	2	2	1	1	1	1	2
Days to Irrigate	1	2	3	4	4	4	4	4	4	3	2	1
Valve Total Flow:	85.2 GPM											
Precip Rate:	0.42 in/hr											

Program: D**B-10**

TREES - bubblers - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	01:26	01:54	01:47	02:25	02:03	02:18	02:18	02:12	02:25	01:47	01:55	01:26
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	3 GPM											
Precip Rate:	7.66 in/hr											

B-11

TREES - bubblers - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	00:53	01:11	01:07	01:31	01:17	01:26	01:26	01:22	01:31	01:07	01:11	00:53
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	5.5 GPM											
Precip Rate:	7.66 in/hr											

B-12

TREES - bubblers - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	01:26	01:54	01:47	02:25	02:03	02:18	02:18	02:12	02:25	01:47	01:55	01:26
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	2.5 GPM											
Precip Rate:	7.66 in/hr											

B-13

TREES - bubblers - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	00:53	01:11	01:07	01:31	01:17	01:26	01:26	01:22	01:31	01:07	01:11	00:53
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	2 GPM											
Precip Rate:	7.66 in/hr											

B-14

TREES - bubblers - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	00:53	01:11	01:07	01:31	01:17	01:26	01:26	01:22	01:31	01:07	01:11	00:53
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	2.5 GPM											
Precip Rate:	7.66 in/hr											

B-15

TREES - bubblers - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	01:26	01:54	01:47	02:25	02:03	02:18	02:18	02:12	02:25	01:47	01:55	01:26
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	2 GPM											
Precip Rate:	7.66 in/hr											

B-16

TREES - bubblers - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	00:53	01:11	01:07	01:31	01:17	01:26	01:26	01:22	01:31	01:07	01:11	00:53
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	2.5 GPM											
Precip Rate:	7.66 in/hr											

NOTE: THIS IRRIGATION SCHEDULE IS MEANT TO BE USED AS A GUIDELINE ONLY, AND DOES NOT TAKE THE PLACE OF PROPER, ONGOING SYSTEM MANAGEMENT. DIFFERING SITE AND CLIMATIC CONDITIONS MAY REQUIRE ADJUSTMENTS NOT REFLECTED IN THIS SCHEDULE.

Total Maximum Runtime Per Station in Minutes and Seconds (per Irrigation Day)

Program: A	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
B-2	21	28	20	27	15	17	17	16	27	20	28	21
B-3	10	13	9	12	7	8	8	8	12	9	13	10
total minutes	31	41	29	39	22	25	25	24	39	29	41	31

Program: B	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
B-1	11	14	19	26	29	33	33	31	26	19	14	11
total minutes	11	14	19	26	29	33	33	31	26	19	14	11

Program: C	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
B-4	30	23	16	22	24	27	27	26	22	16	23	30
B-5	60	45	32	43	49	55	55	52	43	32	45	60
B-6	30	23	16	22	24	27	27	26	22	16	23	30
B-7	60	45	32	43	49	55	55	52	43	32	45	60
B-8	30	23	16	22	24	27	27	26	22	16	23	30
B-9	60	45	32	43	49	55	55	52	43	32	45	60
total minutes	270	204	144	195	219	246	246	234	195	144	204	270

Program: D	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
B-10	3	4	6	8	9	10	10	9	8	6	4	3
B-11	2	3	4	5	6	6	6	6	5	4	3	2
B-12	3	4	6	8	9	10	10	9	8	6	4	3
B-13	2	3	4	5	6	6	6	6	5	4	3	2
B-14	2	3	4	5	6	6	6	6	5	4	3	2
B-15	3	4	6	8	9	10	10	9	8	6	4	3
B-16	2	3	4	5	6	6	6	6	5	4	3	2
total minutes	17	24	34	44	51	54	54	51	44	34	24	17

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 (310) 889-1076

Controller C

Program: A

C-7

TURF - spray - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	09:13	12:16	08:37	11:41	06:37	07:23	07:23	07:04	11:41	08:37	12:17	09:13
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	58.3 GPM											
Precip Rate:	1.73 in/hr											

Program: C

C-1

FESCUE - F/C rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	29:30	44:53	31:31	42:45	48:23	27:00	27:00	51:42	42:45	31:31	44:57	29:30
Cycles Per Day	2	1	1	1	1	2	2	1	1	1	1	2
Days to Irrigate	1	2	3	4	4	4	4	4	4	3	2	1
Valve Total Flow:	85.8 GPM											
Precip Rate:	0.42 in/hr											

C-2

FESCUE - F/C rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	29:30	44:53	31:31	42:45	48:23	27:00	27:00	51:42	42:45	31:31	44:57	29:30
Cycles Per Day	2	1	1	1	1	2	2	1	1	1	1	2
Days to Irrigate	1	2	3	4	4	4	4	4	4	3	2	1
Valve Total Flow:	83.3 GPM											
Precip Rate:	0.42 in/hr											

C-3

FESCUE - F/C rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	29:30	44:53	31:31	42:45	48:23	27:00	27:00	51:42	42:45	31:31	44:57	29:30
Cycles Per Day	2	1	1	1	1	2	2	1	1	1	1	2
Days to Irrigate	1	2	3	4	4	4	4	4	4	3	2	1
Valve Total Flow:	80.7 GPM											
Precip Rate:	0.42 in/hr											

C-4

FESCUE - F/C rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	29:30	44:53	31:31	42:45	48:23	27:00	27:00	51:42	42:45	31:31	44:57	29:30
Cycles Per Day	2	1	1	1	1	2	2	1	1	1	1	2
Days to Irrigate	1	2	3	4	4	4	4	4	4	3	2	1
Valve Total Flow:	84 GPM											
Precip Rate:	0.42 in/hr											

C-5

FESCUE - P/C rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	14:35	22:11	15:34	21:07	23:54	13:20	13:20	25:32	21:07	15:34	22:12	14:35
Cycles Per Day	2	1	1	1	1	2	2	1	1	1	1	2
Days to Irrigate	1	2	3	4	4	4	4	4	4	3	2	1
Valve Total Flow:	85.2 GPM											
Precip Rate:	0.85 in/hr											

C-6

FESCUE - MPR rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	18:13	27:43	19:28	26:24	29:53	16:40	16:40	31:56	26:24	19:28	27:45	18:13
Cycles Per Day	2	1	1	1	1	2	2	1	1	1	1	2
Days to Irrigate	1	2	3	4	4	4	4	4	4	3	2	1
Valve Total Flow:	41.9 GPM											
Precip Rate:	0.64 in/hr											

Program: D**C-8**

TREES - bubblers - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	01:47	02:23	01:40	02:16	01:43	01:55	01:55	01:50	02:16	01:40	02:23	01:47
Cycles Per Day	1	1	2	2	3	3	3	3	2	2	1	1
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	3 GPM											
Precip Rate:	7.66 in/hr											

C-9

TREES - bubblers - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	01:47	02:23	01:40	02:16	01:43	01:55	01:55	01:50	02:16	01:40	02:23	01:47
Cycles Per Day	1	1	2	2	3	3	3	3	2	2	1	1
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	2.5 GPM											
Precip Rate:	7.66 in/hr											

NOTE: THIS IRRIGATION SCHEDULE IS MEANT TO BE USED AS A GUIDELINE ONLY, AND DOES NOT TAKE THE PLACE OF PROPER, ONGOING SYSTEM MANAGEMENT. DIFFERING SITE AND CLIMATIC CONDITIONS MAY REQUIRE ADJUSTMENTS NOT REFLECTED IN THIS SCHEDULE.

Total Maximum Runtime Per Station in Minutes and Seconds (per Irrigation Day)

Program: A	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
C-7	10	13	9	12	7	8	8	8	12	9	13	10
total minutes	10	13	9	12	7	8	8	8	12	9	13	10

Program: C	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
C-1	60	45	32	43	49	55	55	52	43	32	45	60
C-2	60	45	32	43	49	55	55	52	43	32	45	60
C-3	60	45	32	43	49	55	55	52	43	32	45	60
C-4	60	45	32	43	49	55	55	52	43	32	45	60
C-5	30	23	16	22	24	27	27	26	22	16	23	30
C-6	37	28	20	27	30	34	34	32	27	20	28	37
total minutes	307	231	164	221	250	281	281	266	221	164	231	307

Program: D	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
C-8	2	3	4	5	6	6	6	6	5	4	3	2
C-9	2	3	4	5	6	6	6	6	5	4	3	2
total minutes	4	6	8	10	12	12	12	12	10	8	6	4

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Controller D

Program: A

D-2

TURF - P/C rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	16:40	22:11	15:34	21:07	11:57	13:20	13:20	12:46	21:07	15:34	22:12	16:40
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	74.5 GPM											
Precip Rate:	0.85 in/hr											

D-3

TURF - F/C rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	33:43	44:53	31:31	42:45	24:11	27:00	27:00	25:51	42:45	31:31	44:57	33:43
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	56.8 GPM											
Precip Rate:	0.42 in/hr											

D-4

TURF - F/C rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	33:43	44:53	31:31	42:45	24:11	27:00	27:00	25:51	42:45	31:31	44:57	33:43
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	54.2 GPM											
Precip Rate:	0.42 in/hr											

D-5

TURF - MPR rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	20:50	27:43	19:28	26:24	14:56	16:40	16:40	15:58	26:24	19:28	27:45	20:50
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	71.8 GPM											
Precip Rate:	0.64 in/hr											

D-6

TURF - MPR rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	20:50	27:43	19:28	26:24	14:56	16:40	16:40	15:58	26:24	19:28	27:45	20:50
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	74.8 GPM											
Precip Rate:	0.64 in/hr											

D-7

TURF - MPR rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	20:50	27:43	19:28	26:24	14:56	16:40	16:40	15:58	26:24	19:28	27:45	20:50
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	75.7 GPM											
Precip Rate:	0.64 in/hr											

Program: C

D-1

FESCUE - MPR rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	18:13	27:43	19:28	26:24	29:53	33:21	33:21	31:56	26:24	19:28	27:45	18:13
Cycles Per Day	2	1	1	1	1	1	1	1	1	1	1	2
Days to Irrigate	1	2	3	4	4	4	4	4	4	3	2	1
Valve Total Flow:	66 GPM											
Precip Rate:	0.64 in/hr											

D-8

TREES - bubblers - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	01:26	01:54	01:47	02:25	02:03	02:18	02:18	02:12	02:25	01:47	01:55	01:26
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	2.5 GPM											
Precip Rate:	7.66 in/hr											

D-9

TREES - bubblers - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	01:26	01:54	01:47	02:25	02:03	02:18	02:18	02:12	02:25	01:47	01:55	01:26
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	3 GPM											
Precip Rate:	7.66 in/hr											

D-10

TREES - bubblers - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	00:53	01:11	01:07	01:31	01:17	01:26	01:26	01:22	01:31	01:07	01:11	00:53
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	11 GPM											
Precip Rate:	7.66 in/hr											

NOTE: THIS IRRIGATION SCHEDULE IS MEANT TO BE USED AS A GUIDELINE ONLY, AND DOES NOT TAKE THE PLACE OF PROPER, ONGOING SYSTEM MANAGEMENT. DIFFERING SITE AND CLIMATIC CONDITIONS MAY REQUIRE ADJUSTMENTS NOT REFLECTED IN THIS SCHEDULE.

Total Maximum Runtime Per Station in Minutes and Seconds (per Irrigation Day)

Program: A	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
D-2	17	23	16	22	12	14	14	13	22	16	23	17
D-3	34	45	32	43	25	28	28	26	43	32	45	34
D-4	34	45	32	43	25	28	28	26	43	32	45	34
D-5	21	28	20	27	15	17	17	16	27	20	28	21
D-6	21	28	20	27	15	17	17	16	27	20	28	21
D-7	21	28	20	27	15	17	17	16	27	20	28	21
total minutes	148	197	140	189	107	121	121	113	189	140	197	148

Program: C	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
D-1	37	28	20	27	30	34	34	32	27	20	28	37
total minutes	37	28	20	27	30	34	34	32	27	20	28	37

Program: D	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
D-8	3	4	6	8	9	10	10	9	8	6	4	3
D-9	3	4	6	8	9	10	10	9	8	6	4	3
D-10	2	3	4	5	6	6	6	6	5	4	3	2
total minutes	8	11	16	21	24	26	26	24	21	16	11	8

Robert Mitchell & Associates
 22982 El Toro Road
 Lake Forest, CA 92630
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IRRIGATION SCHEDULES

10/7/11

Project Site Information

Job #1078 R
 BRIDGES HVP-1B COMMUNITY PARK
 HERITAGE VALLEY PARKS
 Fillmore, CA

Project Contact Information

LANDSTONE COMMUNITIES
 12011 San Los Angeles, CA 90049
 Vicente Blvd., Suite
 Los Angeles, CA 90049
 (310) 889-1076

Controller E

Program: A

E-2

TURF - spray - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	09:13	12:16	08:37	11:41	06:37	07:23	07:23	07:04	11:41	08:37	12:17	09:13
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	60.7 GPM											
Precip Rate:	1.73 in/hr											

E-6

TURF - MPR rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	20:50	27:43	19:28	26:24	14:56	16:40	16:40	15:58	26:24	19:28	27:45	20:50
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	78.2 GPM											
Precip Rate:	0.64 in/hr											

E-7

TURF - spray - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	09:13	12:16	08:37	11:41	06:37	07:23	07:23	07:04	11:41	08:37	12:17	09:13
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	32.8 GPM											
Precip Rate:	1.73 in/hr											

E-10

TURF - spray - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	09:13	12:16	08:37	11:41	06:37	07:23	07:23	07:04	11:41	08:37	12:17	09:13
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	71.4 GPM											
Precip Rate:	1.73 in/hr											

E-11

TURF - spray - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	09:13	12:16	08:37	11:41	06:37	07:23	07:23	07:04	11:41	08:37	12:17	09:13
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	46.7 GPM											
Precip Rate:	1.73 in/hr											

E-12

TURF - MPR rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	20:50	27:43	19:28	26:24	14:56	16:40	16:40	15:58	26:24	19:28	27:45	20:50
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	42.3 GPM											
Precip Rate:	0.64 in/hr											

E-13

TURF - spray - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	09:13	12:16	08:37	11:41	06:37	07:23	07:23	07:04	11:41	08:37	12:17	09:13
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	11.4 GPM											
Precip Rate:	1.73 in/hr											

E-15

TURF - MPR rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	20:50	27:43	19:28	26:24	14:56	16:40	16:40	15:58	26:24	19:28	27:45	20:50
Cycles Per Day	1	1	1	1	1	1	1	1	1	1	1	1
Days to Irrigate	2	2	4	4	5	5	5	5	4	4	2	2
Valve Total Flow:	63.6 GPM											
Precip Rate:	0.64 in/hr											

E-1

SHRUBS - spray - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	10:05	06:42	09:25	08:31	09:39	10:46	10:46	10:18	08:31	09:25	06:43	10:05
Cycles Per Day	1	2	2	3	3	3	3	3	3	2	2	1
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	50.4 GPM											
Precip Rate:	1.73 in/hr											

E-8

SHRUBS - spray - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	10:05	06:42	09:25	08:31	09:39	10:46	10:46	10:18	08:31	09:25	06:43	10:05
Cycles Per Day	1	2	2	3	3	3	3	3	3	2	2	1
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	46.8 GPM											
Precip Rate:	1.73 in/hr											

E-9

SHRUBS - spray - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	10:05	06:42	09:25	08:31	09:39	10:46	10:46	10:18	08:31	09:25	06:43	10:05
Cycles Per Day	1	2	2	3	3	3	3	3	3	2	2	1
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	71.3 GPM											
Precip Rate:	1.73 in/hr											

E-14

SHRUBS - spray - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	10:05	06:42	09:25	08:31	09:39	10:46	10:46	10:18	08:31	09:25	06:43	10:05
Cycles Per Day	1	2	2	3	3	3	3	3	3	2	2	1
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	64.7 GPM											
Precip Rate:	1.73 in/hr											

Program: C**E-3**

GROUNDCOVER - MPR rotors - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	11:23	15:09	14:11	14:26	18:40	20:50	20:50	19:57	14:26	14:11	15:11	11:23
Cycles Per Day	2	2	3	4	2	2	2	2	4	3	2	2
Days to Irrigate	1	1	1	1	2	2	2	2	1	1	1	1
Valve Total Flow:	60.1 GPM											
Precip Rate:	0.64 in/hr											

E-4

GROUNDCOVER - MPR rotors - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	11:23	15:09	14:11	14:26	18:40	20:50	20:50	19:57	14:26	14:11	15:11	11:23
Cycles Per Day	2	2	3	4	2	2	2	2	4	3	2	2
Days to Irrigate	1	1	1	1	2	2	2	2	1	1	1	1
Valve Total Flow:	60 GPM											
Precip Rate:	0.64 in/hr											

E-5

FESCUE - MPR rotors - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	18:13	24:15	22:42	23:06	29:53	33:21	33:21	31:56	23:06	22:42	24:17	18:13
Cycles Per Day	2	2	3	4	2	2	2	2	4	3	2	2
Days to Irrigate	1	1	1	1	2	2	2	2	1	1	1	1
Valve Total Flow:	63.5 GPM											
Precip Rate:	0.64 in/hr											

Program: D**E-16**

TREES - bubblers - high PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	01:26	01:54	01:47	02:25	02:03	02:18	02:18	02:12	02:25	01:47	01:55	01:26
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	3 GPM											
Precip Rate:	7.66 in/hr											

E-17

TREES - bubblers - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	00:53	01:11	01:07	01:31	01:17	01:26	01:26	01:22	01:31	01:07	01:11	00:53
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	4.5 GPM											
Precip Rate:	7.66 in/hr											

E-18

TREES - bubblers - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	00:53	01:11	01:07	01:31	01:17	01:26	01:26	01:22	01:31	01:07	01:11	00:53
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	2 GPM											
Precip Rate:	7.66 in/hr											

E-19

TREES - bubblers - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	00:53	01:11	01:07	01:31	01:17	01:26	01:26	01:22	01:31	01:07	01:11	00:53
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	6 GPM											
Precip Rate:	7.66 in/hr											

E-20

TREES - bubblers - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	00:53	01:11	01:07	01:31	01:17	01:26	01:26	01:22	01:31	01:07	01:11	00:53
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	4 GPM											
Precip Rate:	7.66 in/hr											

E-21

TREES - bubblers - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	00:53	01:11	01:07	01:31	01:17	01:26	01:26	01:22	01:31	01:07	01:11	00:53
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	4 GPM											
Precip Rate:	7.66 in/hr											

E-22

TREES - bubblers - moderate PF - S/W

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Minutes Per Cycle:	00:53	01:11	01:07	01:31	01:17	01:26	01:26	01:22	01:31	01:07	01:11	00:53
Cycles Per Day	2	2	3	3	4	4	4	4	3	3	2	2
Days to Irrigate	1	1	1	1	1	1	1	1	1	1	1	1
Valve Total Flow:	4.5 GPM											
Precip Rate:	7.66 in/hr											

NOTE: THIS IRRIGATION SCHEDULE IS MEANT TO BE USED AS A GUIDELINE ONLY, AND DOES NOT TAKE THE PLACE OF PROPER, ONGOING SYSTEM MANAGEMENT. DIFFERING SITE AND CLIMATIC CONDITIONS MAY REQUIRE ADJUSTMENTS NOT REFLECTED IN THIS SCHEDULE.

Total Maximum Runtime Per Station in Minutes and Seconds (per Irrigation Day)

Program: A	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
E-2	10	13	9	12	7	8	8	8	12	9	13	10
E-6	21	28	20	27	15	17	17	16	27	20	28	21
E-7	10	13	9	12	7	8	8	8	12	9	13	10
E-10	10	13	9	12	7	8	8	8	12	9	13	10
E-11	10	13	9	12	7	8	8	8	12	9	13	10
E-12	21	28	20	27	15	17	17	16	27	20	28	21
E-13	10	13	9	12	7	8	8	8	12	9	13	10
E-15	21	28	20	27	15	17	17	16	27	20	28	21
total minutes	113	149	105	141	80	91	91	88	141	105	149	113

Program: B	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
E-1	11	14	19	26	29	33	33	31	26	19	14	11
E-8	11	14	19	26	29	33	33	31	26	19	14	11
E-9	11	14	19	26	29	33	33	31	26	19	14	11
E-14	11	14	19	26	29	33	33	31	26	19	14	11
total minutes	44	56	76	104	116	132	132	124	104	76	56	44

Program: C	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
E-3	23	31	43	58	38	42	42	40	58	43	31	23
E-4	23	31	43	58	38	42	42	40	58	43	31	23
E-5	37	49	69	93	60	67	67	64	93	69	49	37
total minutes	83	111	155	209	136	151	151	144	209	155	111	83

Program: D	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
E-16	3	4	6	8	9	10	10	9	8	6	4	3
E-17	2	3	4	5	6	6	6	6	5	4	3	2
E-18	2	3	4	5	6	6	6	6	5	4	3	2
E-19	2	3	4	5	6	6	6	6	5	4	3	2
E-20	2	3	4	5	6	6	6	6	5	4	3	2
E-21	2	3	4	5	6	6	6	6	5	4	3	2
E-22	2	3	4	5	6	6	6	6	5	4	3	2
total minutes	15	22	30	38	45	46	46	45	38	30	22	15