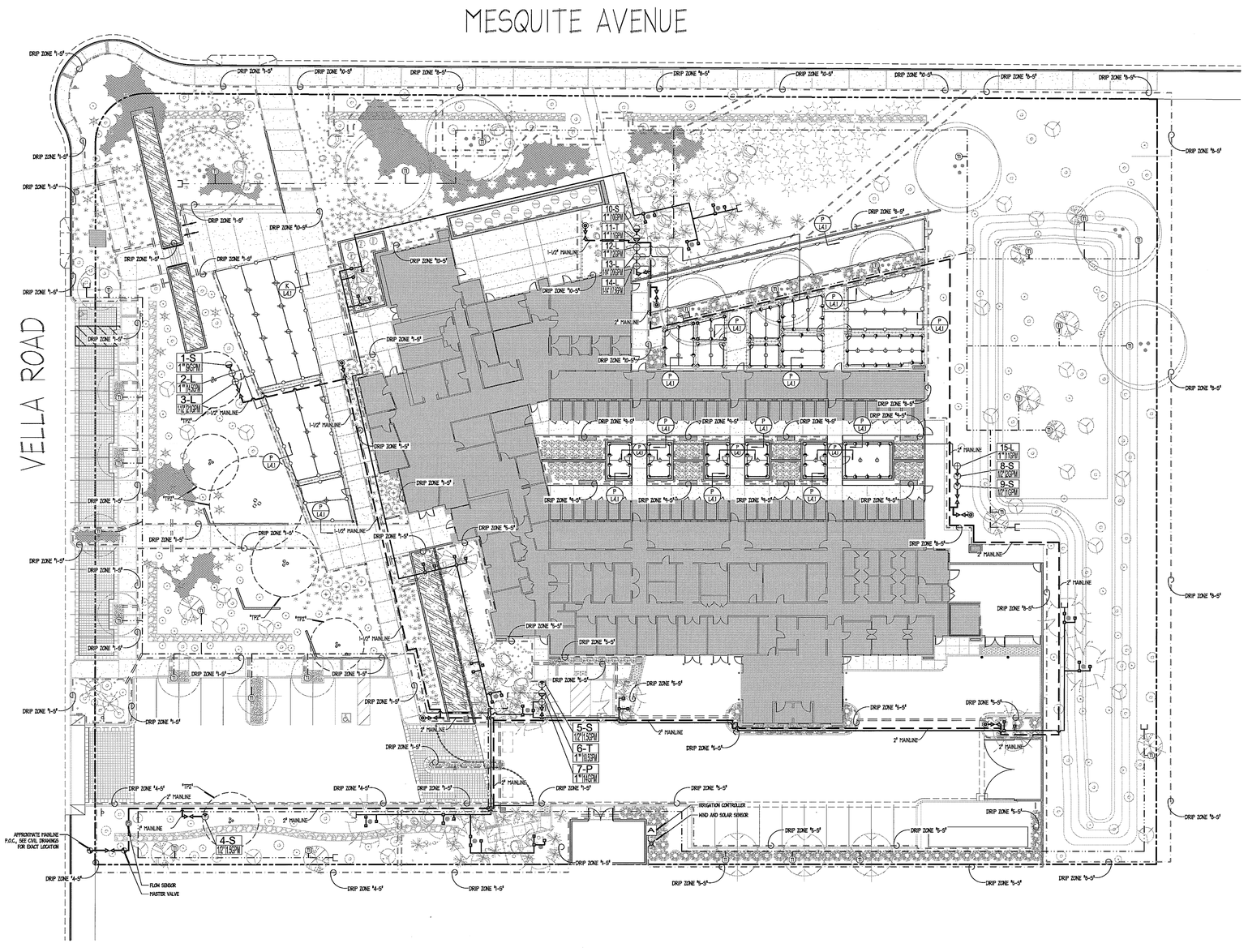


IRRIGATION LEGEND

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION	NOZZLE	RADIUS	GPM/ (GPH.)	PSI	PATTERN	DETAIL
	RAINBIRD	1401	FULL CIRCLE BUBBLER	-	-	0.25	30	-	N
T1	RAINBIRD	XBT-20	SINGLE OUTLET EMITTER	-	-	(2.0)	30	-	L
	RAINBIRD	XBT-05PC-1032	SINGLE OUTLET EMITTER			(0.5)	30	-	I,J
	RAINBIRD	XBT-10PC-1032	SINGLE OUTLET EMITTER			(1.0)	30	-	I,J
	RAINBIRD	XBT-20PC-1032	SINGLE OUTLET EMITTER			(2.0)	30	-	I,J
	RAINBIRD	PC-07-1032 W/ PC-DIFF-PPL & 1032 THREAD ADAPTER	SINGLE OUTLET EMITTER			(7.0)	30	-	I,J
	RAINBIRD	1804-PRS-MPR-10F	4" LAWN POP-UP SPRAY HEAD	10F	10'	1.58	30	FULL	K,B
	RAINBIRD	1804-PRS-MPR-10H	4" LAWN POP-UP SPRAY HEAD	10H	10'	0.79	30	HALF	K,B
	RAINBIRD	1804-PRS-MPR-10Q	4" LAWN POP-UP SPRAY HEAD	10Q	10'	0.39	30	QUARTER	K,B
	RAINBIRD	1804-PRS-MPR-8F	4" LAWN POP-UP SPRAY HEAD	8F	8'	1.05	30	FULL	K,B
	RAINBIRD	1804-PRS-MPR-8H	4" LAWN POP-UP SPRAY HEAD	8H	8'	0.52	30	HALF	K,B
	RAINBIRD	1804-PRS-MPR-8Q	4" LAWN POP-UP SPRAY HEAD	8Q	8'	0.26	30	QUARTER	K,B
	RAINBIRD	1804-PRS-MPR-5F	4" LAWN POP-UP SPRAY HEAD	5F	5'	0.41	30	FULL	K,B
	RAINBIRD	1804-PRS-MPR-5H	4" LAWN POP-UP SPRAY HEAD	5H	5'	0.20	30	HALF	K,B
	RAINBIRD	1804-PRS-MPR-5Q	4" LAWN POP-UP SPRAY HEAD	5Q	5'	0.10	30	QUARTER	K,B
	RAINBIRD	XCZ-075-PRF-BF CONTROL ZONE KIT W/PRESSURE REGULATOR (WITH PURPLE HANDLE IF AVAILABLE)							G
	RAINBIRD	XCZ-100-B-COM CONTROL ZONE KIT W/ PRESSURE REGULATOR (WITH PURPLE HANDLE PEB-NP-HAN1)							G
	RAINBIRD	PEB SERIES VALVE 100-PEB-NP-HAN1 OR 150-PEB-NP-HAN2							H
	RAINBIRD	5-NP QUICK-COUPLING VALVE							C
	RAINBIRD	MASTER VALVE RAINBIRD PEB SERIES 200-PEB-NP-HAN1 (NORMALLY CLOSED OPERATION)							P
FS	HUNTER	FTC-100 "FLOW-CLIK" SENSOR							Q
	HUNTER	POLE MOUNTED WIND AND SOLAR SENSOR (HUNTER WIND CLIK & SOLAR SYNC.)							M
		NIBCO 4660 PVC SCH 40 BALL VALVE TO BE INSTALLED AT ALL SINGLE VALVES AND / OR VALVE GROUPING. VALVES ARE TO BRANCH-OFF MAINLINE COURSE AND ISOLATE VIA BALL VALVE.							E
	RAINBIRD	16A-FDV AUTOMATIC DRAIN VALVE (PURPLE COVER AND PIPE)							A
		INDICATES ZONE FOR VALVE TO MATCH STATION NUMBER (PURPLE: NON-POTABLE WATER)							D
		MAINLINE CLASS 315 AND LARGER PVC PIPE WITH DEEP SOCKET FITTINGS (PURPLE: NON-POTABLE WATER)							D
		LATERAL LINE CLASS 200 PVC PIPE (PURPLE: NON-POTABLE WATER)							D
		LATERAL LINE CLASS 200 PVC PIPE (PURPLE: NON-POTABLE WATER)							D
		LATERAL LINE CLASS 200 PVC PIPE (PURPLE: NON-POTABLE WATER)							D
		1-S / 1" 15GPM — INDICATES ELECTRIC CONTROL VALVE SIZE; VALVE STATION: TREE (T), PALM (P), SHRUB (S), GROUND COVER (GR), LAWN (L), HYDROSEED (H), POTS (PT); INDICATES FLOW IN GALLONS PER MINUTE							
A		HUNTER IRRIGATION CONTROLLER "I-CORE" IC-1801-M, ACC-PED-HFS (18 STATION) W/ SOLAR SYNC & ICR-KIT							F,M
		FOR ALL SLEEVING CROSSING BELOW PAVING SEE DETAIL "O" SHEET L4.1, ALL LOCATIONS SHALL BE COORDINATED WITH HARDSCAPE CONTRACTOR							O

NOTES:

1.- THESE PLANS ARE DIAGRAMMATIC.
2.- MAIN LINE AND VALVES MAY BE SHOWN IN HARDSCAPE FOR CLARITY ONLY.
3.- AT IRREGULAR SHAPED AREAS, CONTRACTOR SHALL USE ADJUSTABLE ARC NOZZLES AS NECESSARY TO AVOID OVERSPRAY ON BUILDINGS, WALLS AND HARDSCAPE. CONTRACTOR SHALL INSTALL VAN SERIES IN LIEU OF MPR SERIES TO AVOID OVERSPRAY.
4.- ALL WATER LINES, VALVES, VALVE BOXES TO BE IN PURPLE COLOR TO INDICATE ALL IRRIGATION WATER BEING USED IS NON-POTABLE.

GENERAL IRRIGATION NOTES:

1.- CONTRACTOR SHALL CONFIRM AVAILABLE FLOW PER VALVE PRIOR TO INSTALLATION.

IRRIGATION NOTES

1. PROVIDE PURPLE VALVE CAP ON ALL NEW VALVES ON NON-POTABLE IRRIGATION SYSTEM.
2. USAGE OF PURPLE PIPE IS ADMINISTERED ON NON-POTABLE IRRIGATION SYSTEM.
3. PROVIDE PURPLE VALVE BOXES FOR ALL IRRIGATION CONTROLS.
4. ALL TOP OF VALVE BOXES SHALL BE HEAT BRAND IDENTIFYING STATION NUMBER.

PIPE SIZING CHART

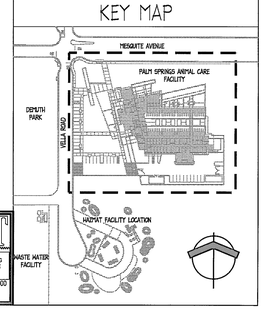
PIPE SIZE	MAX. ALLOWABLE FLOW
1"	0 - 5 GPM
3/4"	5 - 10 GPM
1"	11 - 15 GPM
1 1/2"	16 - 25 GPM
1 1/2"	26 - 35 GPM
2"	36 - 55 GPM

EXISTING TREE PROTECTION NOTE

1. NO SOIL GRADE CHANGES OR COMPACTION SHALL TAKE PLACE WITHIN THE TPZ (TREE PROTECTION ZONE), EXCEPT AS DIRECTED.
2. NO STORAGE OF MATERIAL SHALL BE ALLOWED WITH THE TPZ.
3. IF WORK IS DONE WITHIN THE TPZ, CARE MUST BE TAKEN TO MINIMIZE ROOT DISTURBANCE. SPECIAL CARE SHALL BE TAKEN DURING EXCAVATION AND REMOVAL OF EXISTING MATERIALS TO AVOID DAMAGE TO TREE ROOTS. LOCATE EXISTING TREE ROOTS USING HAND TOOLS.
4. PROTECTIVE FENCING IS REQUIRED WHEN THE WORK AREA IS WITHIN THE TPZ EXCEPT WHERE PORTIONS OF THE TPZ ARE COVERED WITH PAVEMENT SUCH AS STREETS OR WALKS.
5. NO ROOTS OVER 2" IN DIAMETER SHALL BE CUT WITHOUT APPROVAL OF AN APPROVED ARBORIST. NO ROOTS SHALL BE CUT OR TORN DURING TRENCHING WITH POWER EQUIPMENT SUCH AS BACKHOES AND TRENCHERS. ROOTS SHALL BE CUT WITH APPROVED SAWS. UTILITY LINES AND IRRIGATION OR OTHER PIPES SHALL BE INSTALLED BY HAND DIGGING OR TUNNELING UNDER ROOTS, AS NECESSARY TO AVOID CUTTING ROOTS 2" AND LARGER.
6. IF TREES ARE IN GROUPS OF TWO OR MORE, CONTRACTOR CAN HAVE PROTECTIVE FENCING SURROUNDING MULTIPLE TREES WITHIN ONE ENCLOSURE.

SEE DETAIL "H" ON SHEET L6.1 FOR EXISTING TREE PROTECTION DETAIL.

KEY MAP



20' 0' 40' 80'

DIGALERT — DIAL BEFORE YOU DIG — TWO WORKING DAYS BEFORE YOU DIG — 1-800-227-2600 — TOLL FREE — A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

SWATT | MIERS ARCHITECTS

5845 Doyle Street,
Suite 104
Emeryville, CA 94608
Tel: 510 985 9779
Fax: 510 985 0116
www.swattmiers.com

RANDY PURNEL LANDSCAPE ARCHITECTS
RPLA
70390
Hwy 111 Suite A
Rancho Mirage
CA 92270
email: info@rpla.net
760.324-2682
760.202-7012 fax
www.rpla.net
Consulting
Residential design
Commercial design
ca. lic. 4275

LANDSCAPE ARCHITECT
LICENSED LANDSCAPE ARCHITECT — RANDY W. PURNEL NO. 4275 — 12-31-10 — Renewal Date — 01/18/10 — Date — STATE OF CALIFORNIA

JAN 19 2010

BID SET

PREVAILING WAGE JOB

FOR BID ONLY
NOT FOR CONSTRUCTION

PALM SPRINGS ANIMAL CARE FACILITY

4575 E. MESQUITE AVE.
PALM SPRINGS, CA 92262

CITY OF PALM SPRINGS
PROJECT NO. CP. 07-24

APN: 680-020-010

Issue: BID SET

Rev	Date	By	Description
1	11/23/09	RAJ	BUILDING PERMIT SET.
2	01/04/10	RAJ	BUILDING PERMIT RESUBMITTAL

Drawn By RWP & RAJ
Checked By RWP
Job No. 0910
Issue Date 01/18/10
Scale 1" = 20' - 0"

Drawing Title

IRRIGATION PLAN

L3.1

Sheet

These plans, drawings and specifications are the property of Swatt | Miers Architects and any use and/or reuse thereof in part or in whole without the written permission of the Architect is prohibited.
Copyright 2009 Swatt | Miers Architects