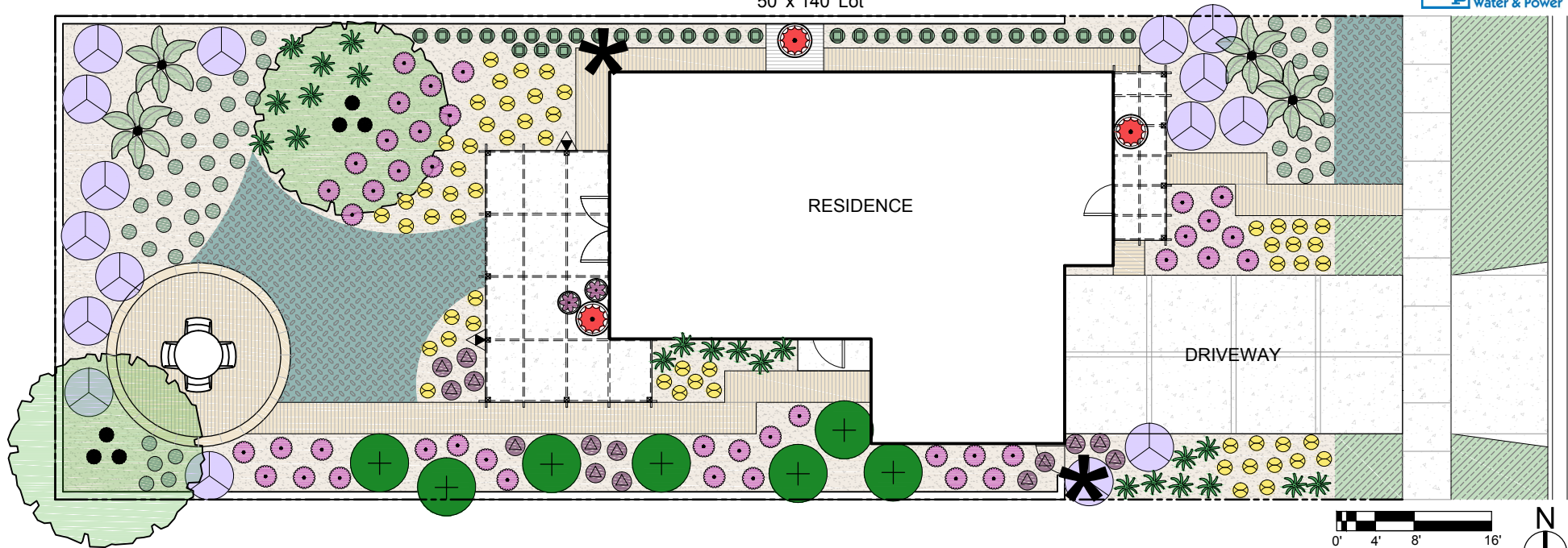


50' x 140' Lot



LEGEND

TREES	BOTANICAL NAME	COMMON NAME	SIZE	SPACING*	SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
	ARBUTUS 'MARINA'	MARINA ARBUTUS (MULTI-TRUNK)	15 GAL			WESTRINGIA 'WYNABBIE GEM'	WYNABBIE GEM COAST ROSEMARY	1 GAL	60" O.C.
	BRAHEA ARMATA	MEXICAN BLUE PALM	15 GAL			AGAVE ATTENUATA	FOX TAIL AGAVE	1 GAL	30" O.C.
VINE						DIANELLA REVOLUTA 'LITTLE REV'	LITTLE REV FLAX LILY	1 GAL	18" O.C.
	BOUGAINVILLEA 'BARBARA KARST'	BARBARA KARST BOUGAINVILLEA	1 GAL	24" O.C.		RHUS INTEGRIFOLIA	LEMONADE BERRY	1 GAL	72" O.C.
GROUNDCOVERS						ZAUSCHNERIA CALIFORNICA	CALIFORNIA FUCHSIA	1 GAL	24" O.C.
	SENECIO MANDRALISCAE	KLEINIA	FLAT	12" O.C.		BULBINE FRUTESCENS	YELLOW STALKED BULBINE	4" POT	18" O.C.
	FRAGARIA CHILOENSIS	BEACH STRAWBERRY	FLAT	12" O.C.		LIMONIUM PEREZII	STATICE	1 GAL	24" O.C.
	MULCH	3" LAYER. CLICK HERE FOR INFORMATION ON FREE CITY MULCH				HEUCHERA MAXIMA	ISLAND ALUM ROOT	1 GAL	18" O.C.
PERMEABLE PAVING						RUSSELIA EQUISETIFORMIS	CORAL FOUNTAIN	1 GAL	
	SAND-SET BRICK					AEONIUM ARBOREUM 'ZWARTKOP'	DARK LEAF AEONIUM	1 GAL	

* O.C. = ON CENTER SPACING

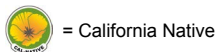


Rain Barrel – can be added at a downspout to qualify for turf rebate

COAST

Plant Images & Care Instructions

These plants are widely available at Home Improvement Stores and Nurseries.



Trees



MARINA ARBUTUS

Arbutus 'Marina' (Multi-trunk)
Full sun, low water



MEXICAN BLUE PALM

Brahea armata
Full sun, low water

Shrubs



WYNYABBIE GEM

COAST ROSEMARY

Westringia 'Wynyabbie Gem'
Sun/shade, low water



FOX TAIL AGAVE

Agave attenuata

Sun/shade, low water



LITTLE REV FLAX LILY

Dianella revoluta 'Little Rev'

Sun/shade, low water



LEMONADE BERRY

Rhus integrifolia

Sun/shade, low water



CALIFORNIA FUCHSIA

Zauschneria californica

Full sun, low water



YELLOW STALKED

BULBINE

Bulbine frutescens

Full sun, low water



STATICE

Limonium perezii

Full sun, low water



ISLAND ALUM ROOT

Heuchera maxima

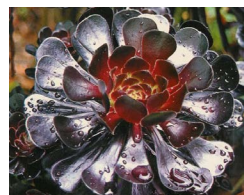
Cool sun/light shade,
low water



CORAL FOUNTAIN

Russelia equisetiformis

Sun/shade, moderate water



DARK LEAF AEONIUM

Aeonium arboreum 'Zwartkop'

Cool sun/light shade,
low water

Groundcovers



KLEINIA

Senecio mandraliscae

Full sun, low water



BEACH STRAWBERRY

Fragaria chiloensis

Full sun, moderate
water

Vine



BARBARA KARST

BOUGAINVILLEA

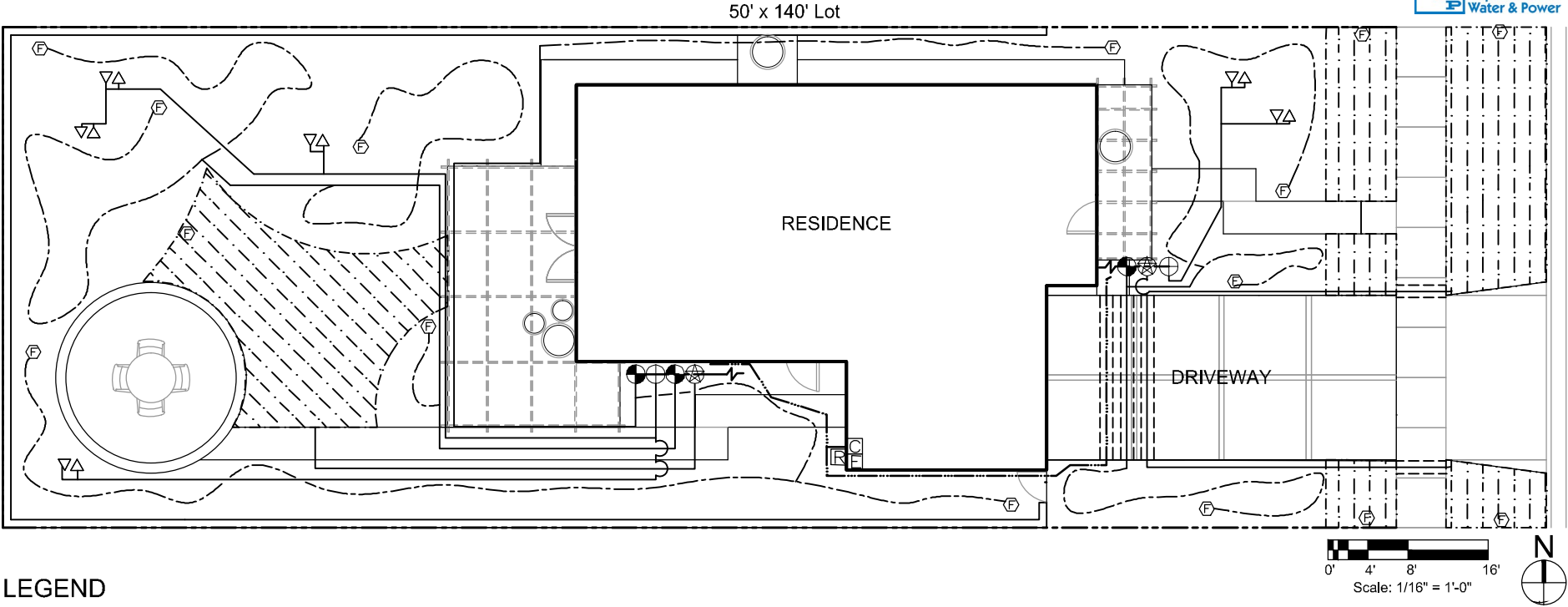
Bougainvillea 'Barbara Karst'

Full sun, low water

Permeable Paving



SAND-SET BRICK



LEGEND

SYMBOL	EQUIPMENT	DESCRIPTION
	EXISTING IRRIGATION MAINLINE	CONNECT TO EXISTING IRRIGATION MAINLINE
	PVC LATERAL	PVC PIPE 3/4" - 1" SCHEDULE 40
	PVC SLEEVE	PVC PIPE SCHEDULE 40 SLEEVING
	VALVE WIRE	IRRIGATION CONTROL WIRE #18UF
	SMART CONTROLLER	WEATHER BASED CONTROLLER
	SENSOR	RAIN/TEMPERATURE SENSOR
	N/A	ELECTRICAL OUTLET
	SHRUB DRIP VALVE	DRIP AUTOMATIC CONTROL VALVE ASSEMBLY
	GROUNDCOVER DRIP VALVE	DRIP AUTOMATIC CONTROL VALVE ASSEMBLY
	TREE VALVE	AUTOMATIC CONTROL VALVE ASSEMBLY
	DRIP TUBING FOR SHRUB AREAS	1/2" FLEXIBLE TUBING
	GROUNDCOVER DRIP TUBING	INLINE DRIP TUBING WITH BUILT-IN EMITTERS
	FLUSH CAP	SELF-FLUSHING END VALVE
	BUBBLER FOR TREES	2 BUBBLERS PER TREE

NOTE: LAYOUT SHOWN IS DIAGRAMMATIC.
ADJUST TO FIT ACTUAL CONDITIONS.



2 BUBBLERS PER TREE
(≤4 GAL/HR)



DRIP TUBING WITH 1 OR 2 DRIP
EMITTER(S) PER SHRUB



INLINE DRIP TUBING GRID
WITH EVEN SPACING
BETWEEN DRIP LINES FOR
GROUNDCOVER AREAS



SMART CONTROLLER
USING REAL TIME
WEATHER DATA



RAIN SENSOR



AUTOMATIC CONTROL
VALVE ASSEMBLY



MICRO-SPRAY DRIP
SPRINKLER

COAST

Irrigation Installation

LEGEND

SYMBOL	EQUIPMENT	INSTALLATION
	EXISTING IRRIGATION MAINLINE	CONNECT TO EXISTING IRRIGATION MAINLINE BY REPLACING EXISTING SPRINKLER VALVES WITH NEW REDUCED PRESSURE DRIP VALVES (10 GALLONS PER MIN. MAX. FLOW) USING 1" PVC SCHEDULE 40 PIPE. STATIC WATER PRESSURE TO BE 45 POUNDS PER SQUARE INCH TO ACCOMMODATE THIS DESIGN.
	PVC LATERAL	PVC PIPE 3/4" - 1" SCHEDULE 40 LATERAL LINES, 12" BELOW GRADE.
	PVC SLEEVE	PVC PIPE SCHEDULE 40 SLEEVING, TWICE THE DIAMETER OF PIPE OR WIRE BUNDLE CARRIED. PLACE BELOW PAVING.
	VALVE WIRE	IRRIGATION CONTROL WIRE #18UF ALUMINUM WIRE GAUGE DIRECT BURIAL, 6 -WIRE STRAND, BURIED 6" DEEP (U.L. APPROVED).
NO SYMBOL	WIRE NUT	WATER-PROOF WIRE CONNECTORS FOR USE ON ALL WIRE CONNECTIONS (U.L. APPROVED).
	SMART CONTROLLER	WEATHER BASED CONTROLLER UTILIZING PAID WEATHER SUBSCRIPTION, RAIN/TEMPERATURE SENSOR OR WIFI. INTERIOR WALL MOUNT.
	SENSOR	RAIN/TEMPERATURE SENSOR. MOUNT TO EAVE OF ROOF IN FULL SUN EXPOSURE AND WIRE TO CONTROLLER.
	N/A	120 VOLT ELECTRICAL POWER OULET.
	SHRUB DRIP VALVE	1" DRIP AUTOMATIC CONTROL VALVE ASSEMBLY W/ ANTI-SIPHON VALVE, 1" FILTER AND 40 PSI REGULATOR. INSTALL 6" ABOVE HIGHEST POINT. 3/4" DRIP VALVE ASSEMBLIES CAN BE USED FOR FLOWS LESS THAN 5 GALLONS PER MINUTE.
	GROUND COVER DRIP VALVE	1" DRIP AUTOMATIC CONTROL VALVE ASSEMBLY W/ ANTI-SIPHON VALVE, 1" FILTER AND 40 PSI REGULATOR. INSTALL 6" ABOVE HIGHEST POINT. 3/4" DRIP VALVE ASSEMBLIES CAN BE USED FOR FLOWS LESS THAN 5 GALLONS PER MINUTE.
	TREE VALVE	3/4" AUTOMATIC CONTROL VALVE ASSEMBLY W/ ANTI-SIPHON VALVE. INSTALL 6" ABOVE HIGHEST POINT.
	DRIP TUBING FOR SHRUBS	1/2" FLEXIBLE DRIP TUBING (100' MAX. LENGTH), CONNECTED TO PVC LATERAL LINE WITH 2 MICRO-SPRAY DRIP SPRINKLERS PUNCHED INTO TUBING AT EACH SHRUB INSTALL ON-GRADE BELOW MULCH.
NO SYMBOL	MICRO-SPRAY DRIP SPRINKLERS FOR SHRUBS	PRESSURE COMPENSATING MICRO-SPRAY DRIP SPRINKLERS (1.0 GALLON PER HOUR); TWO PER SHRUB. 300 SHRUBS CAN BE PLANTED USING A 1" VALVE AT ROUGHLY 10 GALLONS PER MINUTE. 150 SHRUBS CAN BE PLANTED USING A 3/4" VALVE AT ROUGHLY 5 GALLONS PER MINUTE.
NO SYMBOL	EMITTER STAKE FOR SHRUBS	ONE EMITTER STAKE PER MICRO-SPRAY DRIP SPRINKLER CONNECTED WITH 6" OF 1/4" TUBING TO 1/2" DRIP TUBING.
	GROUNDCOVER DRIP TUBING	INLINE DRIP TUBING WITH BUILT-IN EMITTERS EVERY 18" ON CENTER WITH A ROW SPACING OF 18" AND AN EMITTER FLOW OF 0.6 GPH. ALL TUBING SHALL BE INSTALLED ON GRADE BELOW MULCH W/ WIRE STAKES EVERY 5' ON CENTER. 2000 S.F. MAXIMUM AREA TO CREATE A FLOW OF ROUGHLY 10 GALLONS PER MINUTE. 1000 S.F. MAXIMUM AREA TO CREATE A FLOW OF ROUGHLY 5 GALLONS PER MINUTE.
	FLUSH CAP	1/2" BARB X 3/4" THREAD W/ PLASTIC CAP AS A FLUSH POINT. ONE REQUIRED AT THE END OF EACH TUBING LENGTH.
NO SYMBOL	DRIP FITTINGS	ALL CONNECTIONS BETWEEN DRIPLINE TUBING SHALL BE MADE USING 1/2" BARB X BARB FITTINGS. ALL CONNECTIONS BETWEEN DRIPLINE TUBING AND PVC SHALL BE MADE USING 1/2" BARB X 1/2" THREAD.
	BUBBLERS FOR TREES	BUBBLER ON PVC SCHEDULE 80 RISER, TWO PER TREE.

CLICK [HERE](#) FOR MORE INFORMATION ABOUT IRRIGATION.



Drip Irrigation Valve Kit comes with the following:

- Low Flow Anti-siphon Valve—must be 6 inches above the highest drip tubing (this is not a typical sprinkler valve)
- Pressure Regulator (usually set at 30 psi)
- Filter

Pipes include:

- Above the ground pipe—PVC schedule 80 or copper
- Below the ground pipe - PVC schedule 40

IMAGE COURTESY OF SANTA MONICA OFFICE OF SUSTAINABILITY AND THE ENVIRONMENT