	Botanical Name	Common Name	Size	No
	Arbutus unedo	Strawberry Tree	36" box	5
	Ceanothus 'Ray Hartman'	Ray Hartman California Lilac	15 gal	17
	Distictis buccinatoria	Red Trumpet Vine	5 gal	17
	Dodonea viscosa	Hopseed Bush	24" box	9
	Garrya elliptica 'Evie'	Silk Tassel Bush	15 gal	6
	Melaleuca nesophila	Pink Melaleuca	36" box	5
	Phormium tenax 'Yellow Wave'	Yellow Wave New Zealand Flax	15 gal	14
	Tecoma stans	Yellow Bells	24" box	13

REVISIONS | DRAWN | DATE

CHOW ENGINEERING, INC.
7770 PARDEE LANE, SUITE 100
OAKLAND, CA 94621
Phone: (510) 636-8500 Fax: (510) 636-8544
Web: www.choweng.com E-Mail: info@choweng.com

SHEET TITLE: LANDSCAPE PLAN
5827 CREST ROAD
RANCHO PALOS VERDES, CA

OWNER: CALIFORNIA WATER SERVICE COMPANY

STAMP

DATE	7-7-17
DRAWN	DW
CHECKED	JD
JOB NO.	17R-106
SCALE	AS SHOWN
DRAWING No.	L-1
SHEET No.	X OF N
REV.	-

Ceanothus 'Ray Hartman' – Ray Hartman California Lilac

Ceanothus 'Ray Hartman' is a fast-growing, evergreen shrub or small tree that reaches 10 to 20 feet tall with an equal width. This popular cultivar has large, rounded, dark green leaves and medium blue flowers in 3 to 5 inch-long spikes that appear in late winter through early spring. Plant in full sun to light shade in any soil, as this cultivar is surprisingly tolerant of heavy clay as well as light, sandy soil. It is thoroughly drought tolerant but accepts periodic summer irrigation. Ceanothus do not do well with spray irrigation and suffer from root disease. They accept irrigation but not frequent irrigation (2+ times a week) and, if irrigated at all, should have occasional deep drenches. Thrives in cool coastal gardens but also tolerates inland heat. California native.

- Full Sun/ Light Shade
- Drought Tolerant
- Fast growth
- Blue flowers Late Winter/Spring
- Height 15-20 feet
- Width 15-20 feet

Dodonaea viscosa 'Purpurus' – Purple leafed Hopseed Bush

Rapid growing, evergreen shrub reaches 12 to 16 feet tall and about as wide - more upright when young - spreading out with age. Narrow bronzy-green 4 inch long leaves turn purple with cooler weather. Tolerates some shade but color is better if grown in full sun. Tiny green flowers in clusters appear in mid-summer followed by brown maple-like seed capsules in late summer. It needs a well-draining soil. It is drought tolerant once established but looks best with occasional deep water. This species has an incredibly wide cosmopolitan distribution - it is considered native throughout the southwest US and northern Mexico but varieties and subspecies are found throughout the tropics and sub-tropics including Hawaii, New Zealand and all of Australian states and territories, where it grows in a wide range of habitats.

- Evergreen
- Full Sun/ Light Shade
- Drought Tolerant
- Fast growth
- Inconspicuous flowers
- Height 12-16 feet
- Width 12-16 feet

Phormium tenax 'Yellow Wave' – Yellow Wave New Zealand Flax

Phormium 'Yellow Wave' (New Zealand Flax) - New Zealand Flax hybrid species grows to 3-4 feet tall with wide spreading 2 1/2 inch wide leaves with a wide yellow stripe that arch gracefully. It flowers only rarely. Plant in full sun to light shade. The variegation can revert to green. To prevent the plant doing this green flags should be pruned out as they appear. If it is allowed to revert the plant will become taller. This Phormium can tolerate fairly dry conditions (coastal) but looks best with occasional to regular irrigation

- Evergreen
- Full Sun/ Light Shade
- Drought Tolerant
- Fast growth
- Inconspicuous flowers
- Height 3-4 feet
- Width 4-5 feet

Tecoma stans - Yellow Bells

This Mexico/Southern US native is large densely branched shrub that can be trained as a small tree. The bright green leaves offer a nice contrast to the more common grey or dark green. Big clusters of bright yellow flowers appear from summer into the fall, followed by long bean-like fruits. It tolerates a wide range of soil conditions and is drought tolerant but accepts irrigation which will encourage faster growth, as will soil amendment and a biologically active soil..

- Shrub
- Evergreen
- Full Sun
- Drought Tolerant
- Sea coast tolerant
- Fast growth
- Yellow flowers Summer/Fall
- Height 15-20 feet
- Width 8-12 feet

Melaleuca nesophila – Pink Melaleuca

A large, fast growing shrub from Australia, this can be kept as a shrub or pruned to a low wide tree. The pink/mauve powder puff flowers appear in Spring and stay through to Summer. The bark is thick, spongy and peeling and the branches curve and twist. It tolerates a poor soil and neglect and is drought tolerant but irrigation which will encourage faster growth, as will soil amendment and a biologically active soil.

- Shrub
- Evergreen
- Full Sun
- Drought Tolerant
- Sea coast tolerant
- Fast growth
- Pink flowers Spring/Summer
- Height 20-25 feet
- Width 20-25 feet

Garrya elliptica – Silk Tassel Bush

A densely growing evergreen large shrub or small tree with opposite 1 1/2 to 2 inch long elliptically shaped leathery leaves with slightly wavy margins and are dark green on the upper surface and gray with woolly hairs underneath. This species is dioecious (male and female flowers on different plants) and the cultivar 'Evie' is a selected male flowering form - in the fall appear the male flowers buds that open in late winter as stunning display of 8 to 10 inch long creamy white tassels that often take on a purplish hue. This shrub has a moderate growth rate, typically reaching about 12 feet tall by as wide but in ideal conditions with additional water, can get considerably larger. Best in full sun but it is likely to need some shade and give only occasional to very little summer water. California Native.

- Evergreen
- Full Sun
- Drought Tolerant
- Medium/Fast growth
- White flowers Late Fall/Winterl
- Height 12-20 feet
- Width 12-15 feet

Distictus buccinatoria – Red Trumpet Vine

Red Trumpet Vine is a fast growing evergreen vine reaching 30 feet tall. It has green somewhat-leathery 4 inch long leaves with tendrils that form disks so it can climb fences and structures. The showy orange red trumpet flowers with yellowish throats are abundant throughout the warm months. Plant in full sun to part shade and water occasionally in the summer.

- Evergreen
- Full Sun/ Light Shade
- Fairly Drought Tolerant
- Fast growth
- Orange Red Flowers in Spring to Summer
- To 30 feet
- N/A

Arbutus unedo – Strawberry Tree

A very versatile shrub or small tree that can grow at the beach or in the desert and in any soil or climate type. In time it can grow to 30 feet high with equal spread. The white flowers and edible red strawberry-like fruits appear in the fall through the winter. Trunk and branches shred their bark exposing the red-colored new bark. Plant in sun or shade. Drought tolerant, but will take regular watering. California native.

- Full Sun/ Shade
- Drought Tolerant
- Fast growth
- White flowers in Fall/Winter
- Height 20-30 feet
- Width 20 - 30 feet

Notes:

A. Details, as shown, are diagrammatic and are intended as guidelines, to be adjusted in the field, as appropriate.

B. Preparation. In reservoir area remove top layer of soil with a sod cutter and discard. Add a generous quantity of organic humus rich material and mycorhizzae inoculants to all planting areas and work into the top 6-8" soil.

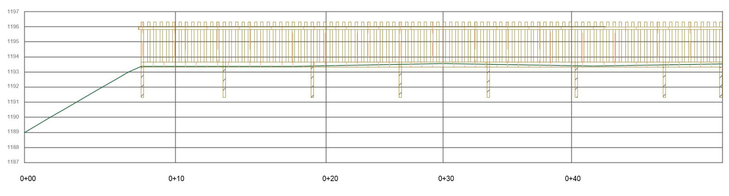
C. Add organic material and mycorhizzae inoculants to existing planted areas especially the Podocarpus hedge and the shrubs between the offices and the reservoir.

D. Plants should be planted such that an irrigation basin is formed around the rootball.

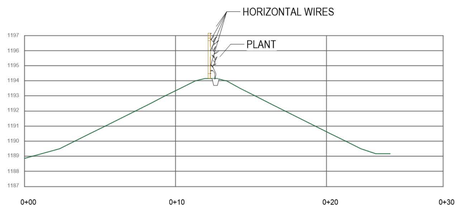
D. Irrigation. For new shrubs and existing Podocarpus hedge ½ inch dripline irrigation is recommended. For the reservoir and berms matched precipitation rotators (low volume spray) is recommended. All new plantings require irrigation until established.

E. All shrubs should be mulched with organic material to a depth of at least 3" after installation.

DETAIL OF FENCE ON BERM



SECTION A-A



SECTION B-B

REVISIONS | DRAWN | DATE

CHOW ENGINEERING, INC.
7770 PARDEE LANE, SUITE 100
OAKLAND, CA 94621
Phone: (510) 636-8500 Fax: (510) 636-8544
Web: www.choweng.com E-Mail: info@choweng.com

SHEET TITLE: LANDSCAPE PLAN
5827 CREST ROAD
RANCHO PALOS VERDES, CA

OWNER: CALIFORNIA WATER SERVICE COMPANY

STAMP

DATE	7-7-17
DRAWN	DW
CHECKED	JD
JOB NO.	17R-106
SCALE	AS SHOWN
DRAWING No.	L-2
SHEET No.	X OF N
REV.	-