

# Planting Design

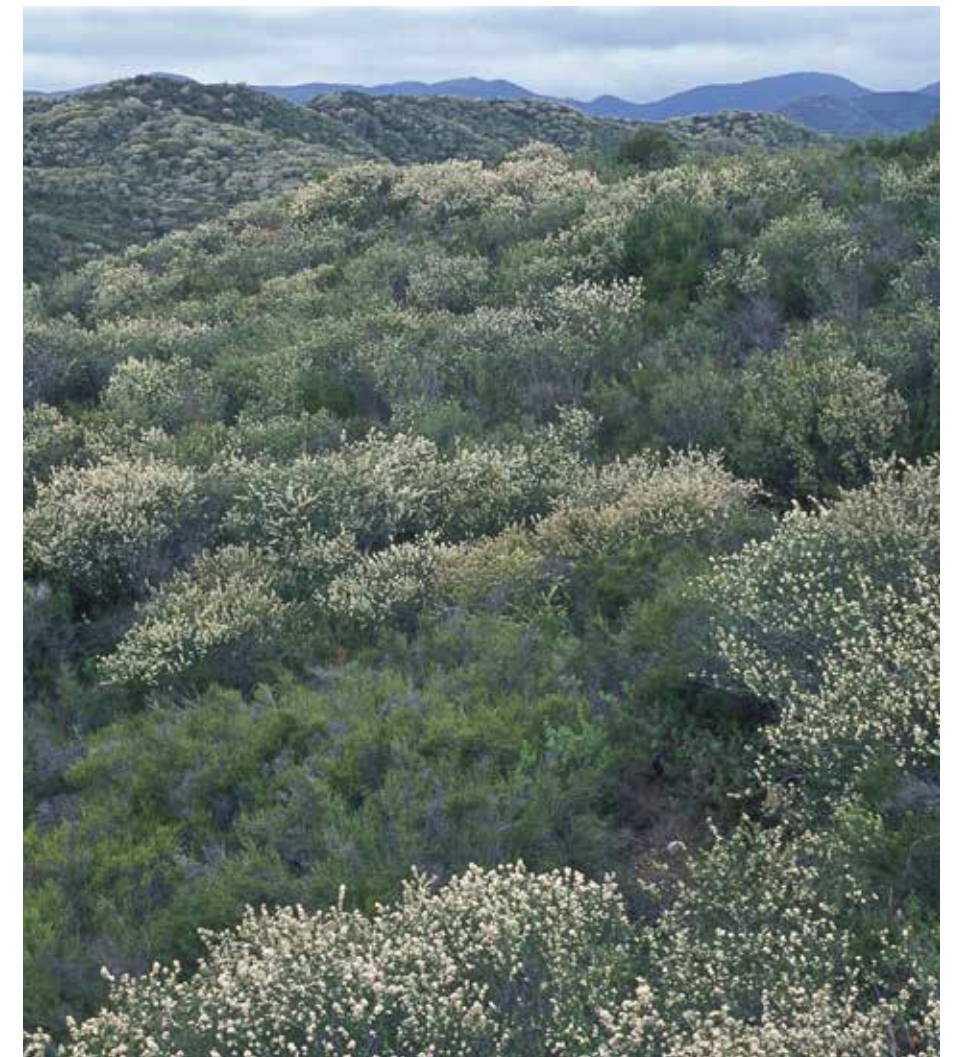
Erosion Control - W. Janss Rd. - Lynnmere Dr.  
Thousand Oaks , California

Heather Wu  
Planting Design - LD5  
UCLA Extension  
Pamela Brief  
Spring 2023





# INSPIRATION

























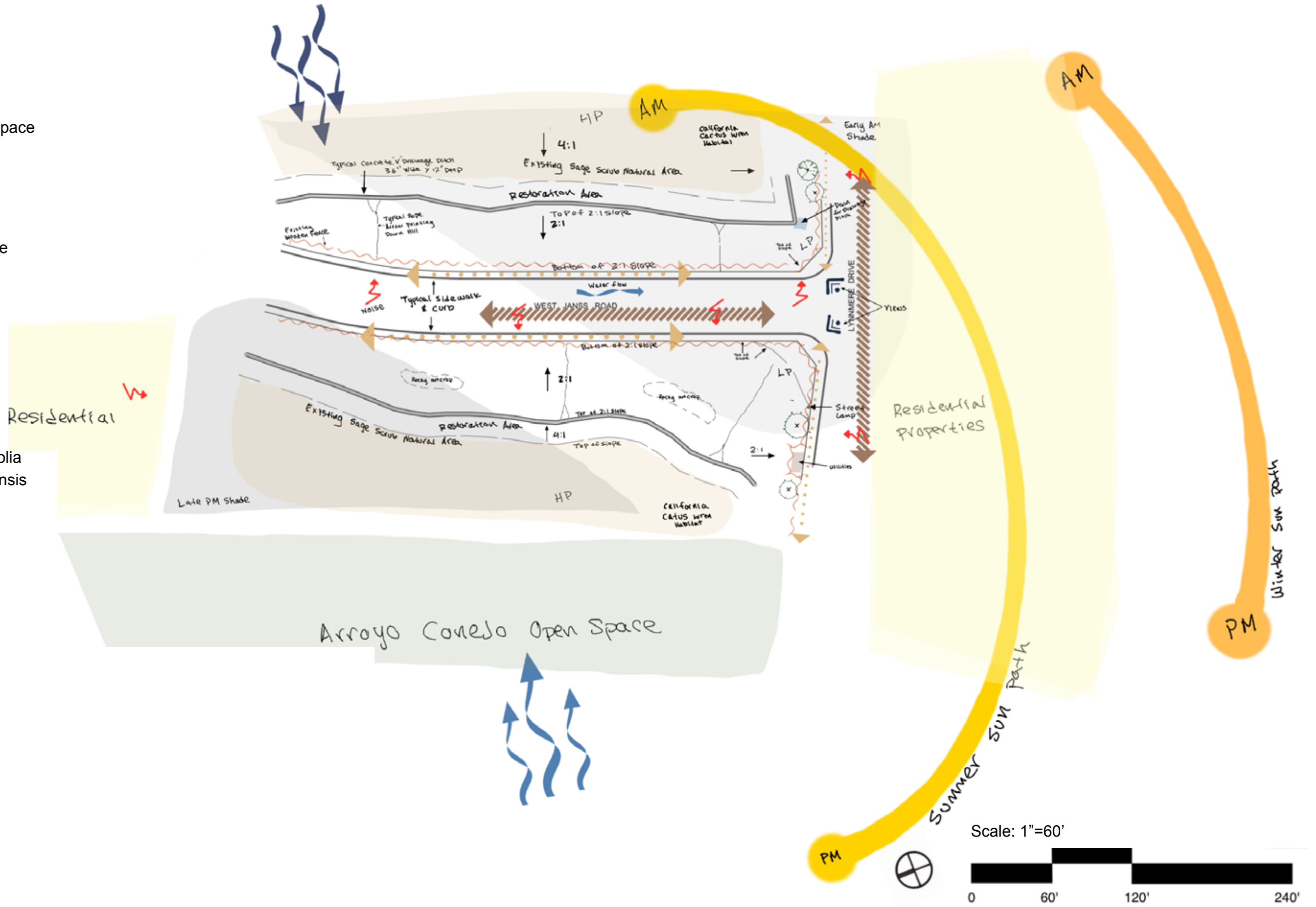
This design was inspired by the Cactus Wren, and the naturally occurring sage scrubs and chaparrals in southern California. Habitat building and food for the California Wren and other animals were taken into account for the plant selection in this design, keystone species such as the Quercus Agrifolia give home and shade to animals and people. The colors the blooms provide seasonal interest for pedestrians and act as a pollinator garden for many insects. This is a space for all to use and to enjoy.



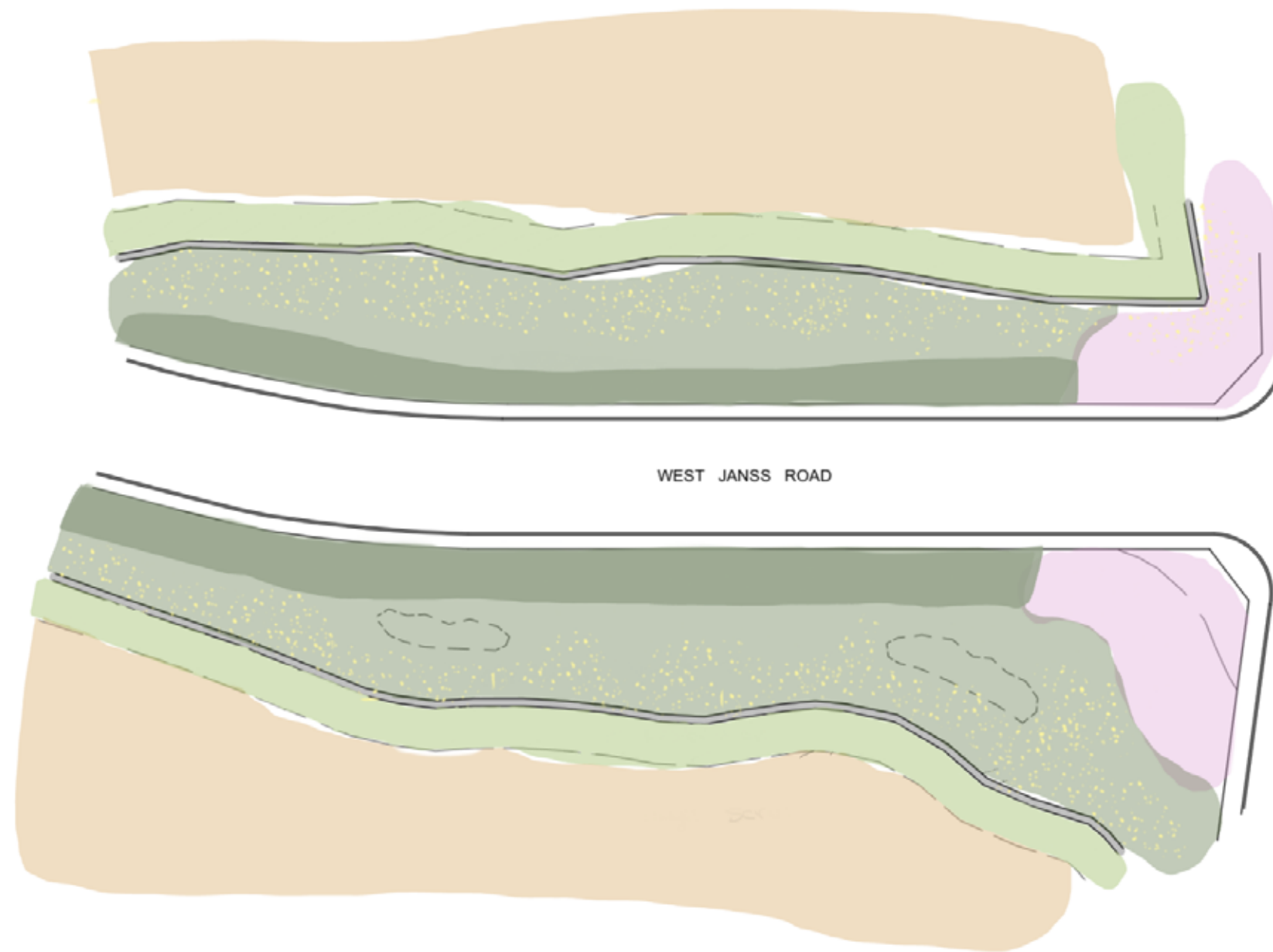
# SITE ANALYSIS

## LEGEND







-  Early AM shade
-  Late PM Shade
-  Arroyo Conejo Open Space
-  Cactus Wren Habitat
-  Residential Property
-  Pedestrian Circulation
-  Vehicular Circulation
-  Existing Wooden Fence
-  Santa Ana Winds
-  Prevailing Winds
-  Noise
-  Views
-  Waterflow
-  Utilities
-  Drain
-  Light Pole
-  Existing Quercus Agrifolia
-  Existing Pistacia chinensis
-  LP Low Point
-  HP High Point
-  Sunset Zone :21
-  Soil - Rocky Loam



# BUBBLE DIAGRAM



## LEGEND

-  Hydroseed Zone
-  Habitat Restoration
-  Natural Sage Scrub
-  Oak Chaparral
-  Visual Focal Point
-  Pedestrian Interest

LYNNMERE DRIVE






WEST JANS S ROAD

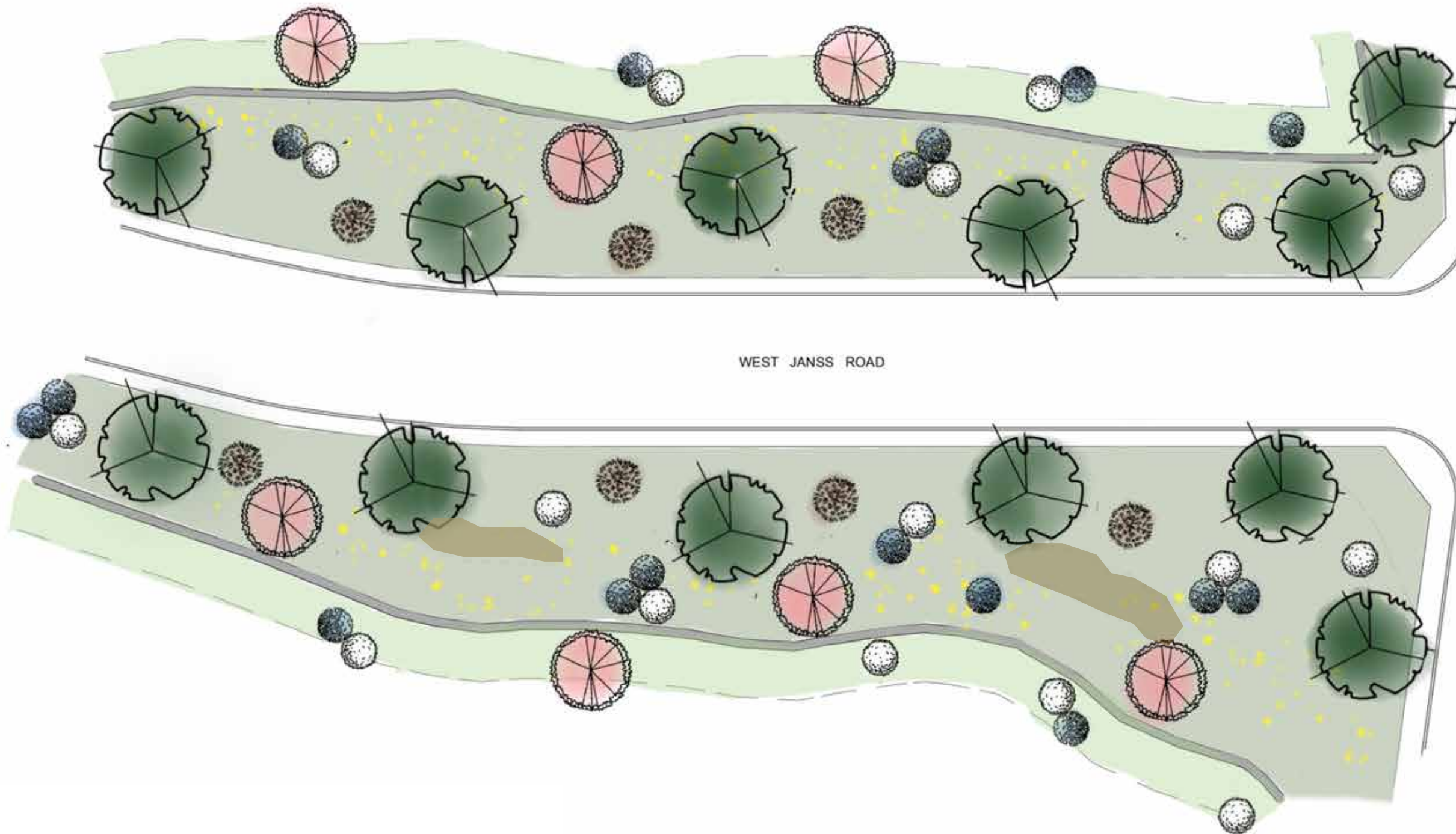
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# PLANTING CONCEPT - TREES

## LEGEND

-  *Quercus agrifolia*
-  *Rhus ovata*
-  *Ceanothus oliganthus*
-  *Ceanothus spinosus*
-  *Frangula californica*  
ssp. *tomentella*



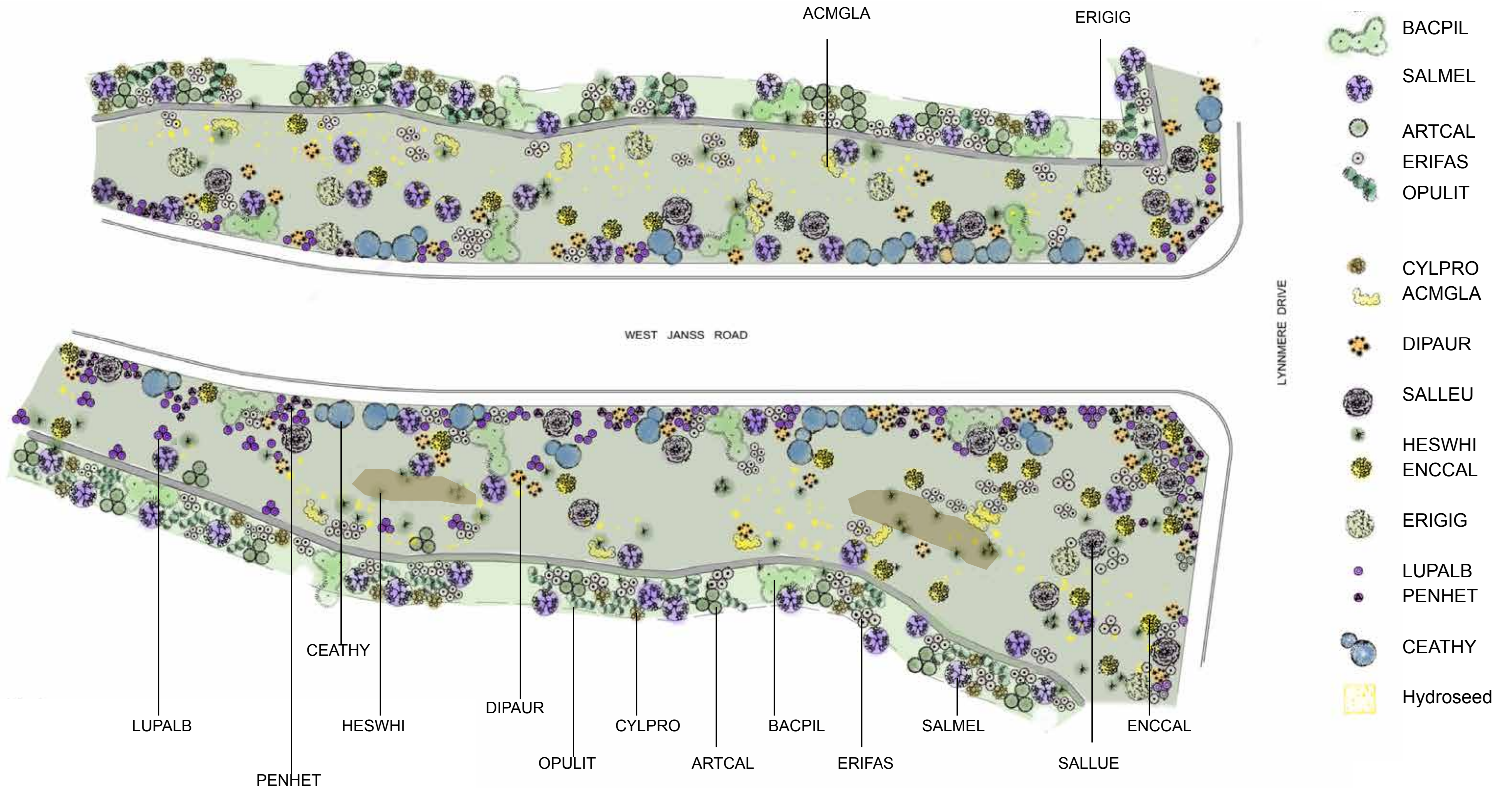
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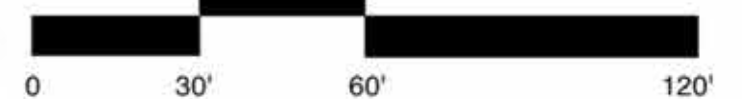


# PLANTING CONCEPT - SHRUBS

## LEGEND



Scale: 1"=30'

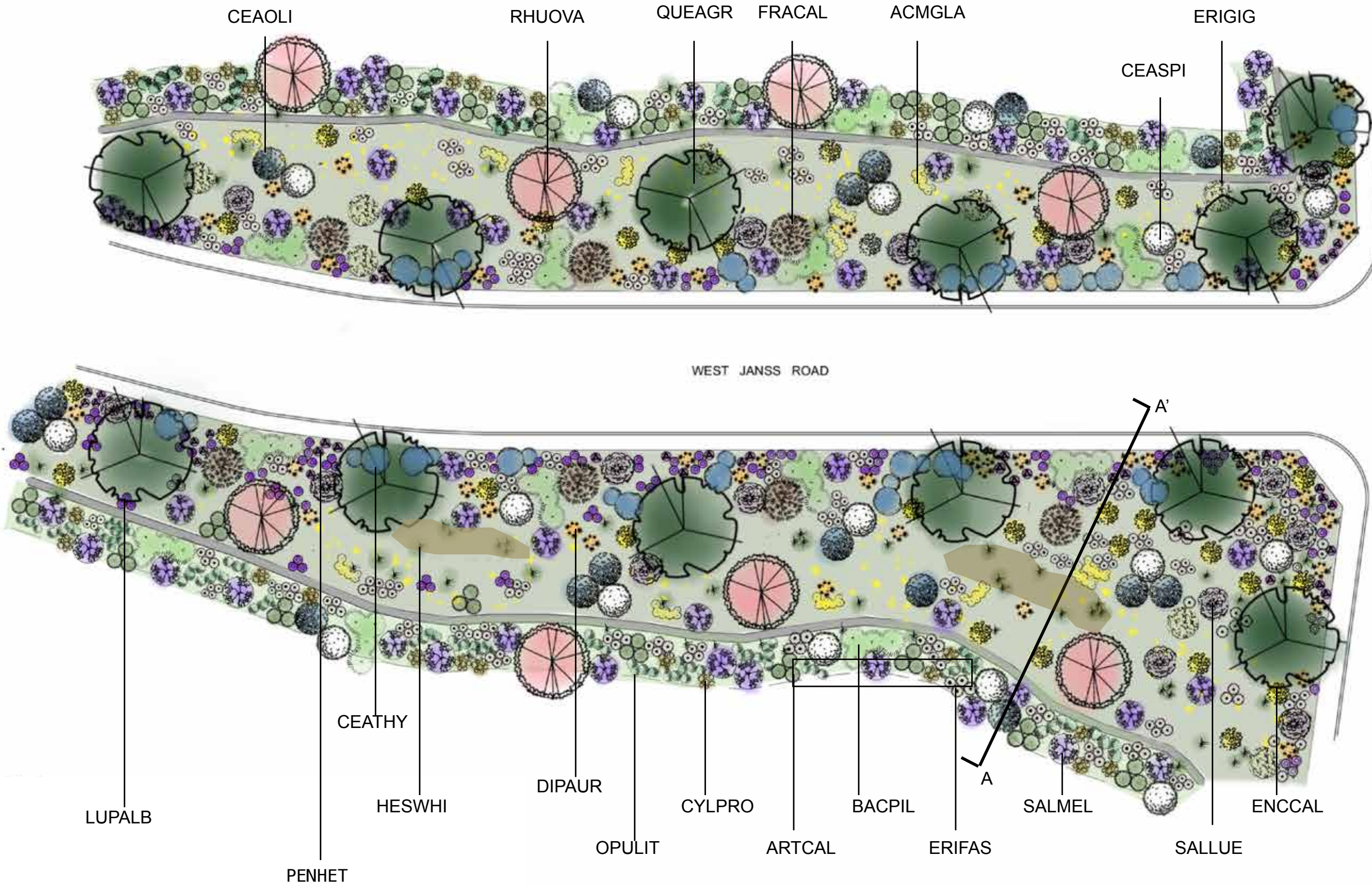




# PLANTING CONCEPT

## LEGEND

-  QUEAGR
-  RHUOVA
-  CEASPI
-  CEAOLI
-  FRACAL
-  BACPIL
-  SALMEL
-  ARTCAL
-  ERIFAS
-  OPULIT
-  CYLPRO
-  ACMGLA
-  DIPAU
-  SALLEU
-  HESWHI
-  ENCCAL
-  ERIGIG
-  LUPALB
-  PENHET
-  CEATHY
-  Hydroseed

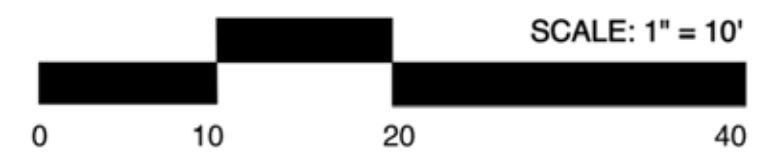
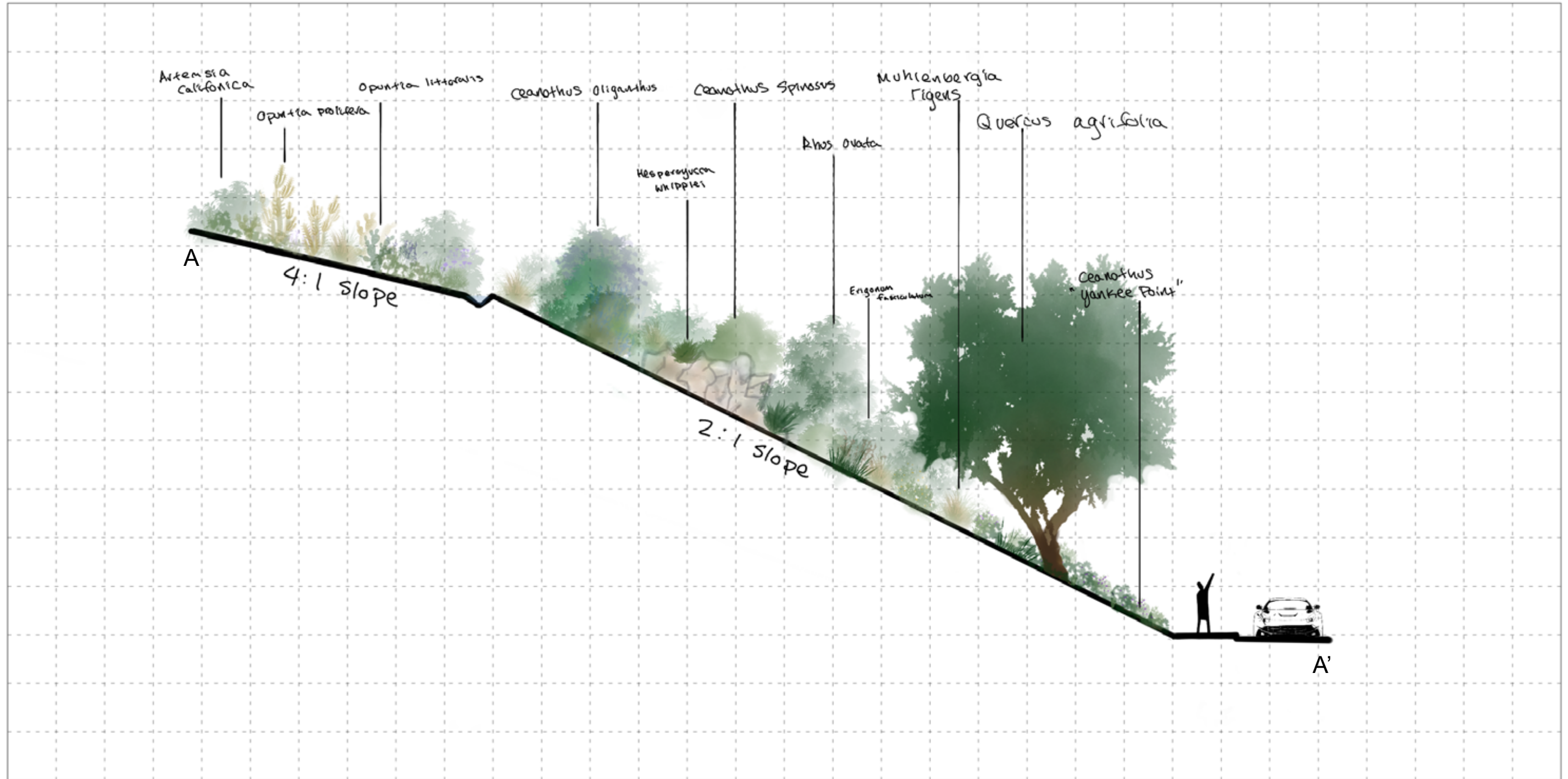


Scale: 1"=30'






# SECTION





# PLANT SELECTION

- |    |   |  |    |  |  |    |   |   |    |   |  |
|----|---|--|----|--|--|----|---|---|----|---|--|
| 1  |    | <b>Deerweed</b><br>Acmispon glaber               | 2  |    | <b>California Sagebrush</b><br>Artemisia californica                                       | 3  |    | <b>Pigeon Point Coyote Brush</b><br>Baccharis pilularis ssp. pilularis 'Pigeon Point' | 4  |    | <b>Hairy Ceanothus</b><br>Ceanothus oliganthus                   |
| 5  |    | <b>Greenbark Ceanothus</b><br>Ceanothus spinosus | 6  |    | <b>Yankee Point Carmel Ceanothus</b><br>Ceanothus thyrsiflorus var. griseus 'Yankee Point' | 7  |    | <b>Coastal Cholla</b><br>Cylindropuntia prolifera                                     | 8  |    | <b>Bush monkey flower</b><br>Diplacus aurantiacus                |
| 9  |   | <b>Bush Sunflower</b><br>Encelia californica     | 10 |   | <b>California Buckwheat</b><br>Eriogonum fasciculatum                                      | 11 |   | <b>St. Catherine's Lace</b><br>Eriogonum giganteum                                    | 12 |   | <b>Hoary Coffeeberry</b><br>Frangula californica ssp. tomentella |
| 13 |  | <b>Chaparral Yucca</b><br>Hesperoyucca whipplei  | 14 |  | <b>Silver Lupine</b><br>Lupinus albifrons  | 15 |  | <b>Coast Prickly Pear</b><br>Opuntia littoralis                                       | 16 |  | <b>Foothill Penstemon</b><br>Penstemon heterophyllus             |
| 17 |  | <b>Coast Live Oak</b><br>Quercus agrifolia       | 18 |  | <b>Sugar Bush</b><br>Rhus ovata  | 19 |  | <b>Purple Sage</b><br>Salvia leucophylla  | 20 |  | <b>Black Sage</b><br>Salvia mellifera                            |



# PLANT LIST

|    | Current Botanical                                 | Common Name   | Acronym | Plant Type            | Height                   | Width                     | Water Requirement       | Growth Rate    | Deciduous / Evergreen                               | Flowers                    | Flowering Season       | Sun                  | Soil   | Drainage           |
|----|---|---|---------|-----------------------|--------------------------|---------------------------|-------------------------|----------------|---|----------------------------|------------------------|----------------------|--|--------------------|
| 1  | Acmispon glaber                                   | Deerweed  | ACMGLA  | Perennial herb        | 1.6 - 3 ft(0.49 - 0.9 m) | 3 ft (0.9 m)              | Very Low                | Fast           | Summer Semi-Deciduous, Winter Deciduous             | Yellow                     | Winter, Spring, Summer | Full Sun             | Tolerates a wide variety of soils  | Medium             |
| 2  | Artemisia californica                             | California Sagebrush  | ARTCAL  | Shrub                 | 1 - 8 ft (0.3 - 2.4 m)   | 4 ft (1.2 m)              | Extremely Low, Very Low | Fast           | Summer Deciduous                                    | Cream, White, Yellow       | Spring, Summer, Fall   | Full Sun             | Usually found on very dry slopes or sandy soil with low nutrient content, although it is also said to tolerate clay    | Fast, Medium, Slow |
| 3  | Baccharis pilularis ssp. pilularis 'Pigeon Point' | Pigeon Point Coyote Brush   | BACPIL  | Shrub                 | 1 - 2 ft (0.3 - 0.6 m)   | 6 - 8 ft (1.8 - 2.4 m)    | Low, Moderate           | Fast           | Evergreen   | Cream                      | Summer, Fall, Winter   | Full Sun             | Tolerates a wide variety of soils  | Fast, Medium, Slow |
| 4  | Ceanothus oliganthus                              | Hairy Ceanothus   | CEAOLI  | Shrub                 | 10 ft(3 m)               | 12 ft (3.7 m)             | Very Low                | Moderate       | Evergreen   | Blue, Purple               | Winter, Spring         | Full Sun             | Tolerates both heavy and sandy soils   | Fast, Medium       |
| 5  | Ceanothus spinosus                                | Greenbark Ceanothus   | CEASPI  | Shrub                 | 10 - 20 ft(3 - 6.1 m)    | 10 ft (3.0 m)             | Very Low                |                | Summer Semi-Deciduous, Evergreen                    | Blue, White                | Winter, Spring         | Full Sun             | Tolerates a variety of soils   | Fast, Medium, Slow |
| 6  | Ceanothus thrysiflorus var.                       | Yankee Point Carmel Ceanothus   | CEATHY  | Shrub                 | 3 - 4 ft (0.9 - 1.2 m)   | 10 - 12 ft (3 - 3.7 m)    | Low                     | Fast           | Evergreen   | Blue                       | Spring                 | Full Sun, Part shade | Tolerates a wide variety of soils  | Fast, Medium, Slow |
| 7  | Cylindropuntia prolifera                          | Coastal Cholla  | CYLPRO  | Shrub, Succulent      | 10 ft(3 m)               | 1 - 5ft                   | Extremely Low, Very Low | Fast           | Evergreen   | Purple, Red                | Spring, Summer         | Part Shade, Full     | Prefers sand or sandstone  | Fast               |
| 8  | Diplacus aurantiacus                              | Bush Monkey Flower  | DIPAU   | Shrub                 | 3.9 - 5 ft(1.2 - 1.5 m)  | 5 ft (1.5 m)              | Very Low, Low           | Moderate       | Evergreen   | Orange, Yellow             | Winter, Spring, Summer | Part Shade, Full Sun | Tolerant of difficult soils if adequate drainage is provided   | Fast, Medium       |
| 9  | Encelia californica                               | Bush Sunflower  | ENCCAL  | Shrub                 | 1.6 - 5 ft(0.49 - 1.5 m) | 3 - 7 ft (0.9 - 2.1 m)    | Very Low                | Fast           | Summer Semi-Deciduous,                              | Brown, Purple, Yellow      | Winter, Spring         | Part Shade, Full Sun | Tolerates a wide variety of soils  | Fast, Medium, Slow |
| 10 | Eriogonum fasciculatum                            | California Buckwheat  | ERIFAS  | Perennial herb, Shrub | 1 - 6.6 ft (0.3 - 2.0 m) | 3 ft (0.9 m)              | Extremely Low, Very Low | Fast, Slow     | Evergreen   | Yellow, Cream, Pink, White | Summer, Spring, Fall   | Full Sun             | Prefers loamy soils  | Fast, Medium, Slow |
| 11 | Eriogonum giganteum                               | St. Catherine's Lace  | ERIGIG  | Shrub                 | 1.6 - 5 ft(0.49 - 1.5 m) | 4 - 10 ft (1.2 - 3.0 m)   | Very Low                | Fast           | Evergreen, Winter Semi-Deciduous                    | Cream, Pink, White         | Spring, Summer, Fall   | Full Sun             | Rocky, gravelly  | Fast               |
| 12 | Frangula californica ssp. tomentella              | Hoary Coffeeberry   | FRACAL  | Shrub                 | 20 ft(6.1 m)             | 10-15ft                   | Low                     | Fast           | Evergreen   | Cream, Brown               | Summer                 | Full Sun, Part Shade | Prefers coarse to medium-textured soils  | Medium             |
| 13 | Hesperoyucca whipplei                             | Chaparral Yucca   | HESWHI  | Succulent             | 2 - 12 ft(0.6 - 3.7 m)   | 2 - 3 ft (0.6 - 0.9 m)    | Extremely Low, Very Low | Moderate       | Evergreen   | Cream, Pink, Purple, White | Spring                 | Full Sun             | Prefers rocky soils  | Fast               |
| 14 | Lupinus albifrons                                 | Silver Lupine   | LUPALB  | Shrub                 | 3.2 - 5 ft(1 - 1.5 m)    | 2 - 3 ft (0.6 - 0.9 m)    | Very Low                | Fast           | Evergreen   | Blue, Lavender, Purple     | Winter, Spring, Summer | Full Sun             | Occurs in a variety of soils   | Fast               |
| 15 | Opuntia littoralis                                | Coast Prickly Pear  | OPULIT  | Shrub, Succulent      | 3.3 ft(1 m)              | 12ft                      | Very Low                | Fast           | Evergreen   | Yellow, Purple, Red        | Spring                 | Full Sun             | Prefers sand or sandstone  | Fast               |
| 16 | Penstemon heterophyllus                           | Foothill Penstemon  | PENHET  | Perennial herb        | 3.3 - 5 ft(1 - 1.5 m)    | 5 ft (1.5 m)              | Very Low                | Fast           | Evergreen   | Blue, Lavender, Purple     | Winter, Spring, Summer | Full Sun, Part Shade | Tolerant of a variety of soils as long as drainage is good   | Fast, Medium, Slow |
| 17 | Quercus agrifolia                                 | Coast Live Oak  | QUEAGR  | Tree                  | 25 - 82 ft(7.6 - 25 m)   | 15 - 35 ft (4.6 - 10.7 m) | Low                     | Moderate, Slow | Evergreen   | Yellow, Cream, Green       | Spring, Winter         | Full Sun, Part Shade | Tolerates a variety of soils but prefers a deep, well draining loam which it usually develops over time from leaf drop | Medium             |
| 18 | Rhus ovata  | Sugar Bush  | RHUOVA  | Shrub                 | 6.6 - 32.8 ft(2 - 10 m)  | 30 ft (9.1 m)             | Very Low                | Fast, Moderate | Evergreen   | White, Pink                | Spring, Winter         | Full Sun, Part Shade | Tolerates a variety of soils   | Fast, Medium       |
| 19 | Salvia leucophylla                                | Purple Sage   | SALLEU  | Shrub                 | 2 - 5 ft(0.6 - 1.5 m)    | 3 - 10ft                  | Extremely Low, Very Low | Fast           | Evergreen, Summer Semi-Deciduous                    | Purple, Lavender, Pink     | Spring, Summer         | Full Sun             | Variable   | Fast, Medium       |
| 20 | Salvia mellifera                                  | Black Sage  | SALMEL  | Shrub                 | 3 - 6 ft(0.9 - 1.8 m)    | 3 - 10 ft (0.9 - 3.0 m)   | Extremely Low, Very Low | Moderate       | Evergreen, Summer Semi-Deciduous, Summer Deciduous, | Blue, Lavender, White      | Winter, Spring, Summer | Full Sun             | Tolerates a variety of soils although it is happier with good drainage   | Fast, Medium       |
|    |   |   |         |                       |                          |                           |                         |                |   |                            |                        |                      |  |                    |
|    |   | <a href="https://calscape.org/myplantlist/44418/ord-species/page-all">https://calscape.org/myplantlist/44418/ord-species/page-all</a>   |         |                       |                          |                           |                         |                |   |                            |                        |                      |  |                    |
|    |   | <a href="https://calscape.org/qrcode/https://calscape.org/myplantlist/44418/ord-species/page-all">//calscape.org/qrcode/https://calscape.org/myplantlist/44418/ord-species/page-all</a> |         |                       |                          |                           |                         |                |   |                            |                        |                      |  |                    |



# PLANT SELECTION - HYDROSEED



**California Brome Grass**

Bromus carinatus



**Dudley's Clarkia**

Clarkia dudleyana



**California poppy**

Eschscholzia californica



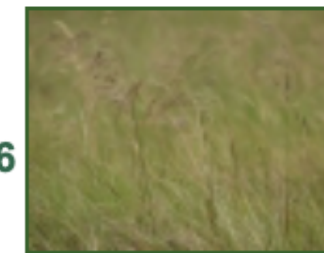
**Common Tidy Tips**

Layia platyglossa



**Deergrass**

Muhlenbergia rigens



**Purple Needlegrass**

Stipa pulchra

## HYDROSEED MIX:

|                          |     |
|--------------------------|-----|
| Bromus carinatus         | 10% |
| Clarika dudleyana        | 20% |
| Eschscholzia californica | 20% |
| Layia platyglossa        | 20% |
| Muhlenbergia rigens      | 10% |
| Stipa pulchra            | 20% |

3500 lb/arce of Flexterra HP - FGM



# PLANT LIST

|   | Current Botanical Name   | Common Name            | Plant Type                 | Height                    | Width                   | Water Requirement | Growth Rate   | Flowers                    | Flowering Season          | Sun                  | Soil  | Drainage          |
|---|--------------------------|------------------------|----------------------------|---------------------------|-------------------------|-------------------|---------------|----------------------------|---------------------------|----------------------|---|-------------------|
| 1 | Bromus carinatus         | California Brome Grass | Grass                      | 1 - 5 ft(0.3 - 1.5 m)     | 1                       | Low               | Fast          | Yellow                     | Spring                    | Full Sun, Part Shade | Tolerates most soil types but especially good in clay | Medium,Slow       |
| 2 | Clarkia dudleyana        | Dudley's Clarkia       | Annual herb                | 1.6 ft(0.49 m)            | .5 - 2 ft (0.2 - 0.6 m) | Low               | Fast          | Pink,Purple ,Lavender, Red | Spring                    | Full Sun, Part Shade | Prefers sandy, infertile, well-drained soils.         | Fast,Medium, Slow |
| 3 | Eschscholzia californica | California poppy       | Annual herb,Perennial herb | 0.16 - 2 ft(0.05 - 0.6 m) | 1 - 2 ft (0.3 - 0.6 m)  | Very Low,Low      | Fast,Moderate | Orange, Yellow             | Spring,Winter Summer,Fall | Full Sun             | Prefers sandy, infertile, well-drained soils.         | Fast,Medium, Slow |
| 4 | Layia platyglossa        | Common Tidy Tips       | Annual herb                | 0.5 - 2 ft(0.15 - 0.6 m)  | .5 - 2 ft (0.2 - 0.6 m) | Low               | Fast          | Yellow                     | Winter,Spring             | Full Sun             | Prefers clay or loamy soil, tolerates sandy soil      | Fast,Medium, Slow |
| 5 | Muhlenbergia rigens      | Deergrass              | Grass                      | 4 - 5 ft(1.2 - 1.5 m)     | 4 ft (1.2 m)            | Low               | Fast,Moderate | Yellow, Cream              | Spring                    | Full Sun             | Tolerant of sand and clay                             | Fast,Medium, Slow |
| 6 | Stipa pulchra            | Purple Needlegrass     | Grass                      | 3.3 ft(1 m)               | 1.5 ft (0.5 m)          | Low,Very Low      | Moderate,Slow | Cream, Green, Purple,Red   | Spring                    | Full Sun             | Found in virtually every type of soil                 | Medium            |



Thank you



References :  
<https://calscape.org/> , <https://selecttrees.com/our-trees/> - <https://www.pinterest.com/> -<https://www.google.com/>