

*Project #2:
Erosion Control - Slope Planting*

W. Janss Ave & Lynnmere Drive, Thousand Oaks

UCLAx

Landscape Design 5

Pamela Brief

Grace Pan



Design Narrative

This design creates a planting palette and concept for a slope restoration that is attractive to and enjoyable by both humans and wildlife. The beginning of the design is greeted by the native coastal sage scrub community at the crest of the hill. As the planting design travels down the hill, it transforms into a colorful, slope-retaining, and naturalistic planting design that eventually gives way to an undulating planting zone dedicated to the pedestrian experience. Accent corner plantings further accentuate the site and helps to define a sense of identity for the site.

In regards to planting selection, keystone species such as oaks and ceanothus varieties were included, and a variety of other textures, forms, and heights were utilized to add visual interest and habitat value. A key endangered species of note is the Cactus Wren, who calls this area its home -- specifically, the Opuntia cacti that already grow in the hills. To facilitate an environment that is conducive to the survival of this species, Opuntia is planted along the hill. Not only does Opuntia offer shelter for the Cactus Wren, but, in conjunction with the agave, it also serves as an architectural feature on the site.






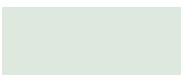


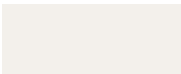

Inspiration Photo



Existing Site Conditions

Site Analysis 01

Legend

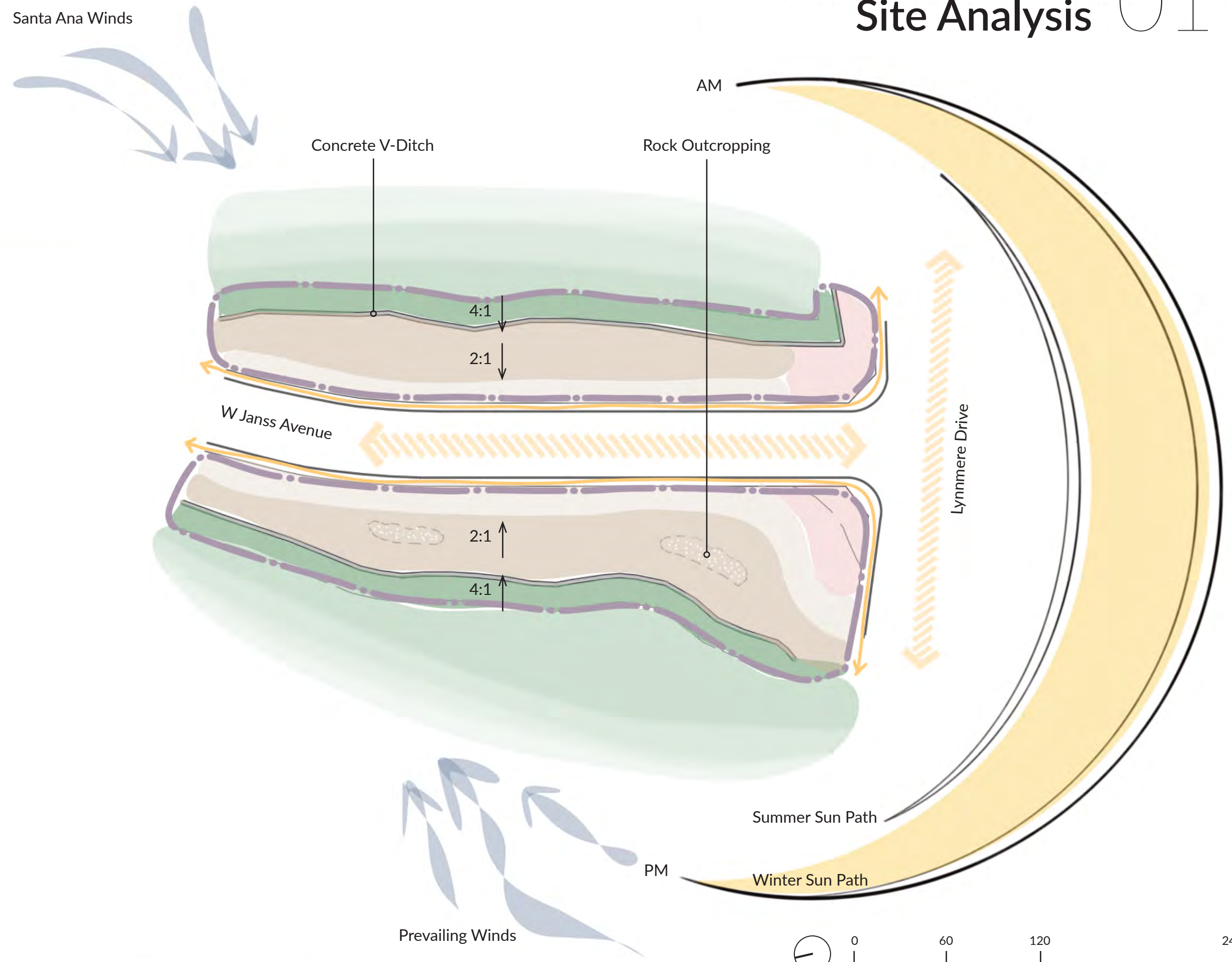
-  Vehicular Circulation
-  Pedestrian Circulation
-  Limit-of-Work
-  Existing Sage Scrub Natural Area (PIP)
-  Restoration Area
-  Naturalistic Background Planting
-  Enhanced Pedestrian Experiential Planting
-  Corner Accent Planting

Sunset Zone: 21
 • Temperature: 40°F Low, 90°F - 94°F High

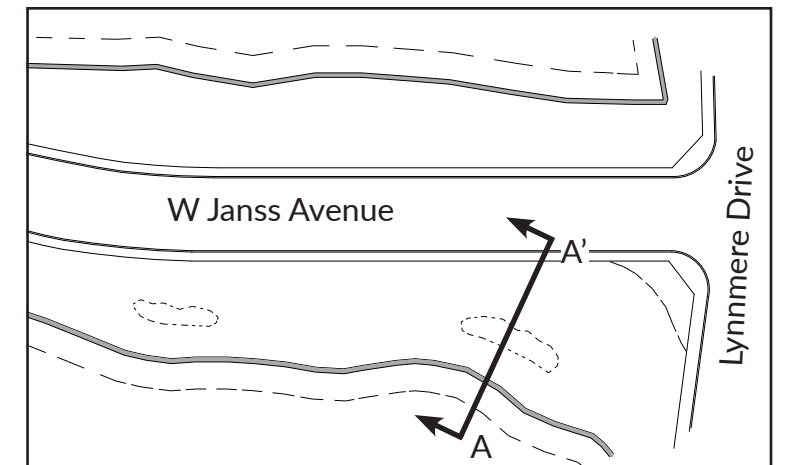
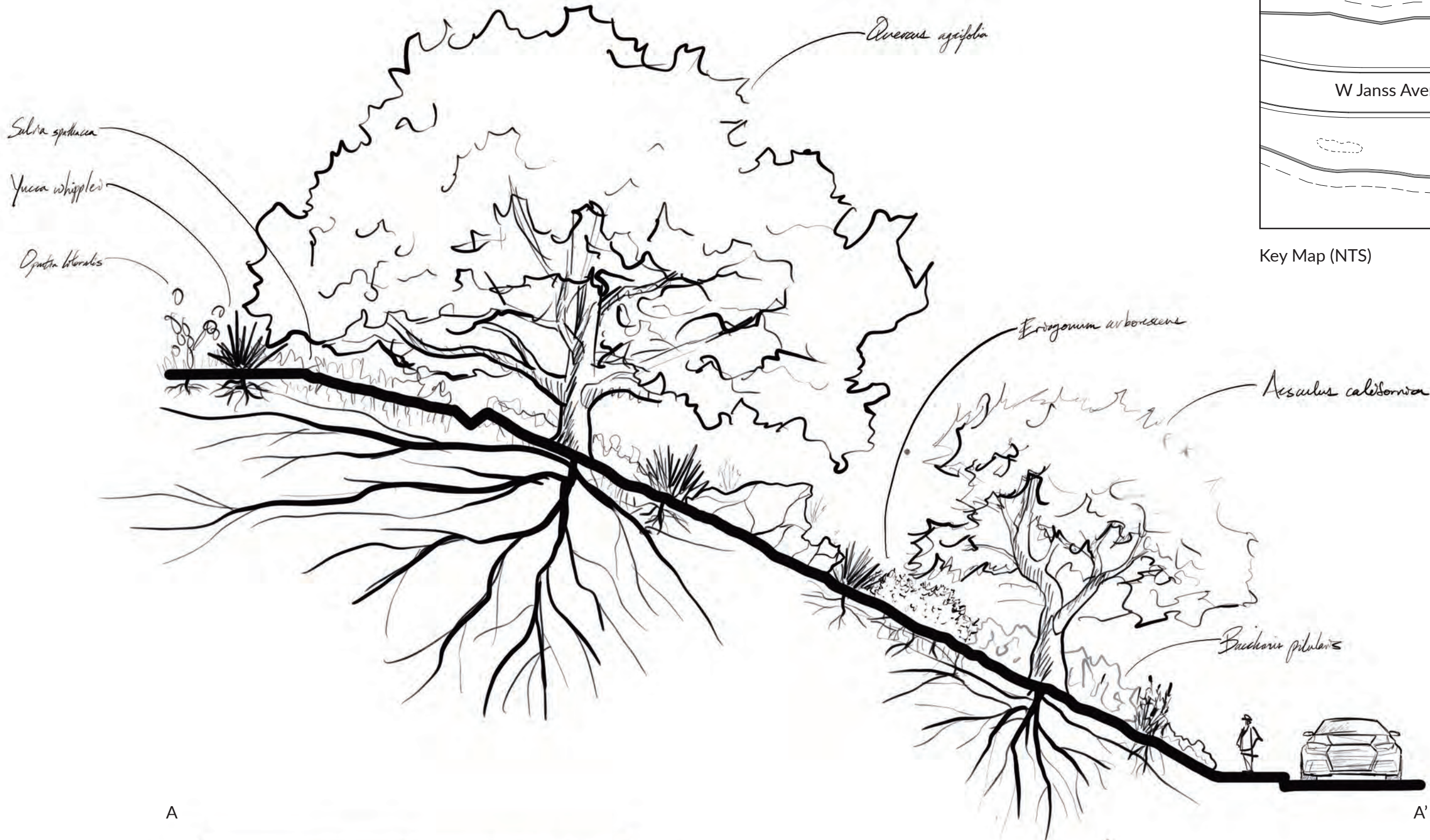
Soil: Rocky/Shaley Loam

- Existing Vegetation Includes:
- *Optuntia ssp.*
 - *Baccharis pilularis*
 - *Artemisia californica*
 - *Salvia mellifera*
 - *Eriogonum fasciculatum*
 - *Acacia redolens*

Santa Ana Winds



Conceptual Section Elevation 02

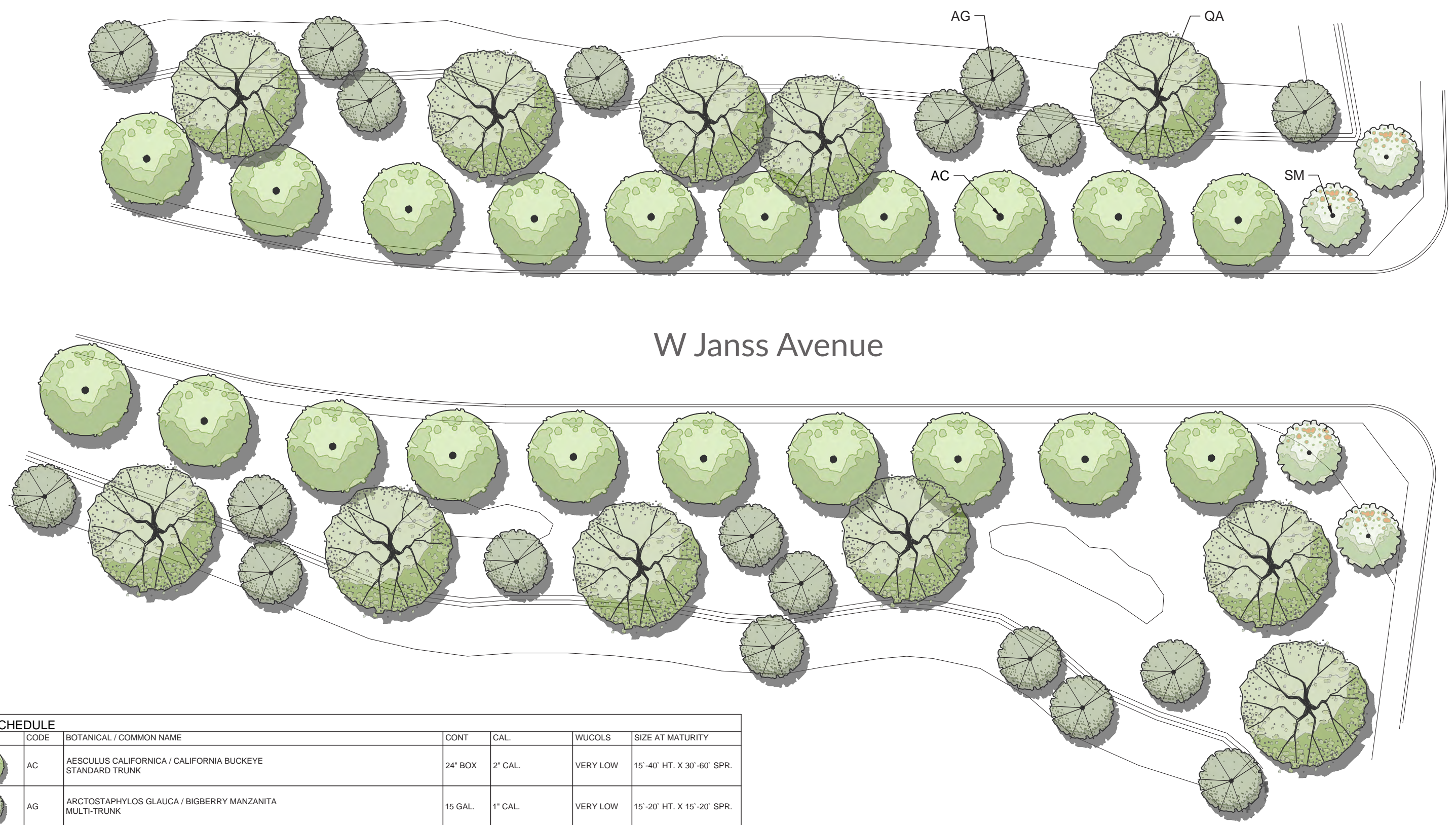


Key Map (NTS)

*Fun fact: the roots of angiosperms, such as oak trees, grow upslope, as if the tree is "pulling" itself upright!







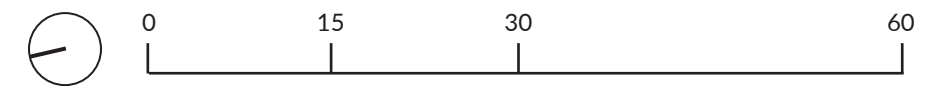
Tree Layout Plan 03



W Janss Avenue

Lynnmere Drive

PLANT SCHEDULE						
TREES	CODE	BOTANICAL / COMMON NAME	CONT	CAL.	WUCOLS	SIZE AT MATURITY
	AC	AESCULUS CALIFORNICA / CALIFORNIA BUCKEYE STANDARD TRUNK	24" BOX	2" CAL.	VERY LOW	15'-40' HT. X 30'-60' SPR.
	AG	ARCTOSTAPHYLOS GLAUCA / BIGBERRY MANZANITA MULTI-TRUNK	15 GAL.	1" CAL.	VERY LOW	15'-20' HT. X 15'-20' SPR.
	QA	QUERCUS AGRIFOLIA / COAST LIVE OAK MULTI-TRUNK	24" BOX	2" CAL.	VERY LOW	40'-60' HT. X 40'-50' SPR.
	SM	SAMBUCUS MEXICANA / MEXICAN ELDERBERRY MULTI-TRUNK	15 GAL.	1" CAL.	LOW	25'-30' HT. X 20' SPR.

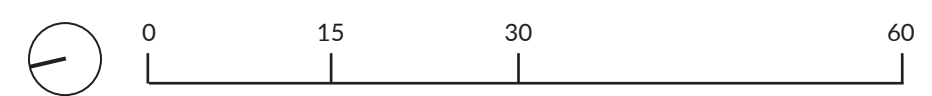


























SHRUBS	CODE	BOTANICAL / COMMON NAME
	AOV	AGAVE OVATIFOLIA 'VANZIE' / VANIZE WHALE'S TONGUE AGAVE
	APM	ARCTOSTAPHYLOS X 'PACIFIC MIST' / PACIFIC MIST MANZANITA
	ACM	ARTEMISIA CALIFORNICA 'MONTARA' / MONTARA CALIFORNIA SAGEBRUSH
	BPP	BACCHARIS PILULARIS 'PIGEON POINT' / PIGEON POINT COYOTE BRUSH
	CAE	CALLIANDRA ERIOPHYLLA / FAIRY DUSTER
	CAT	CAREX TUMULICOLA / FOOTHILL SEDGE
	CGH	CEANOTHUS GRISEUS HORIZONTALIS 'YANKEE POINT' / YANKEE POINT CARMEL CREEPER
	DUB	DUDLEYA BRITTONII / GIANT CHALK DUDLEYA

	DUB	DUDLEYA BRITTONII / GIANT CHALK DUDLEYA
	ECS	EPILOBIUM CANUM 'SCHIEFFELIN'S CHOICE' / SCHIEFFELIN'S CHOICE CALIFORNIA FUCHSIA
	EGR	ERIOGONUM GRANDE RUBESCENS / RED BUCKWHEAT
	FM	FESTUCA MAIREI / ATLAS FESCUE
	HWR	HESPERUYCCA WHIPPLEI 'RBG' / OUR LORD'S CANDLE
	OPL	OPUNTIA LITTORALIS / SHORE CACTUS
	PEA	PEROVSKIA ATRIPLICIFOLIA 'BLUE SPRITZER' / BLUE SPRITZER RUSSIAN SAGE
	SAC	SALVIA APIANA 'COMPACTA' / COMPACT WHITE SAGE

	PEA	PEROVSKIA ATRIPLICIFOLIA 'BLUE SPRITZER' / BLUE SPRITZER RUSSIAN SAGE
	SAC	SALVIA APIANA 'COMPACTA' / COMPACT WHITE SAGE
	SAG	SALVIA GREGGII / AUTUMN SAGE
	SAM	SALVIA MELLIFERA 'JADE CARPET' / JADE CARPET BLACK SAGE
	HYDROSEED MIX	EROSION CONTROL SPOROBOLIS ARIOIDES FESTUCA RUBRA MUHLENBERGIA RIGENS SALVIA SPATHACEA SALVIA LEUCOPHYLLA ERIOGONUM ARBORESCENS



Planting Highlight 05

PLANT SCHEDULE						
TREES	CODE	BOTANICAL / COMMON NAME	CONT	CAL.	WUCOLS	SIZE AT MATURITY
	AC	AESCULUS CALIFORNICA / CALIFORNIA BUCKEYE STANDARD TRUNK	24" BOX	2" CAL.	VERY LOW	15'-40' HT. X 30'-60' SPR.
	AG	ARCTOSTAPHYLOS GLAUCA / BIGBERRY MANZANITA MULTI-TRUNK	15 GAL.	1" CAL.	VERY LOW	15'-20' HT. X 15'-20' SPR.
	QA	QUERCUS AGRIFOLIA / COAST LIVE OAK MULTI-TRUNK	24" BOX	2" CAL.	VERY LOW	40'-60' HT. X 40'-50' SPR.
	SM	SAMBUCUS MEXICANA / MEXICAN ELDERBERRY MULTI-TRUNK	15 GAL.	1" CAL.	LOW	25'-30' HT. X 20' SPR.
SHRUBS	CODE	BOTANICAL / COMMON NAME	CONT.	SPACING	WUCOLS	SIZE AT MATURITY
	AOV	AGAVE OVATIFOLIA 'VANZIE' / VANIZE WHALE'S TONGUE AGAVE	5 GAL.	AS SHOWN	VERY LOW	2'-5' HT. X 2'-7' SPR.
	APM	ARCTOSTAPHYLOS X 'PACIFIC MIST' / PACIFIC MIST MANZANITA	5 GAL.	10" O.C.	LOW	2' HT. X 6'-10' SPR.
	ACM	ARTEMISIA CALIFORNICA 'MONTARA' / MONTARA CALIFORNIA SAGEBRUSH	5 GAL.	3' O.C.	VERY LOW	2'-3' HT. X 2'-3' SPR.
	BPP	BACCHARIS PILULARIS 'PIGEON POINT' / PIGEON POINT COYOTE BRUSH	5 GAL.	12" O.C.	LOW	1.5'-2' HT. X 10'12' SPR.
	CAE	CALLIANDRA ERIOPHYLLA / FAIRY DUSTER	5 GAL.	3' O.C.	VERY LOW	1'-3' HT. X 3' SPR.
	CAT	CAREX TUMULICOLA / FOOTHILL SEDGE	5 GAL.	3' O.C.	LOW	1'-2' HT. X 2'-3' SPR.
	CGH	CEANOTHUS GRISEUS HORIZONTALIS 'YANKEE POINT' / YANKEE POINT CARMEL CREEPER	5 GAL.	10" O.C.	VERY LOW	2'-3' HT. X 8'-10' SPR.
	DUB	DUDLEYA BRITTONII / GIANT CHALK DUDLEYA	5 GAL.	AS SHOWN	VERY LOW	<1' HT. X 1'-1.5' SPR.
	ECS	EPILOBIUM CANUM 'SCHIEFFELIN'S CHOICE' / SCHIEFFELIN'S CHOICE CALIFORNIA FUCHSIA	5 GAL.	3' O.C.	VERY LOW	0.5' HT. X 3' SPR.
	EGR	ERIOGONUM GRANDE RUBESCENS / RED BUCKWHEAT	5 GAL.	3' O.C.	VERY LOW	1' HT. X 3' SPR.
	FM	FESTUCA MAIREI / ATLAS FESCUE	5 GAL.	3' O.C.	LOW	2'-3' HT. X 2'-3' SPR.
	HWR	HESPEROYUCCA WHIPPLEI 'RBG' / OUR LORD'S CANDLE	5 GAL.	AS SHOWN	VERY LOW	4' HT. X 5' SPR.
	OPL	OPUNTIA LITTORALIS / SHORE CACTUS	5 GAL.	AS SHOWN	VERY LOW	3' HT. X SPREADING
	PEA	PEROVSKIA ATRIPLICIFOLIA 'BLUE SPRITZER' / BLUE SPRITZER RUSSIAN SAGE	5 GAL.	4' O.C.	LOW	2'-3' HT. X 4' SPR.
	SAC	SALVIA APIANA 'COMPACTA' / COMPACT WHITE SAGE	5 GAL.	3' O.C.	VERY LOW	2'-3' HT. X 2'-3' SPR.
	SAG	SALVIA GREGGII / AUTUMN SAGE	5 GAL.	3' O.C.	LOW	2'-3' HT. X 2'-3' SPR.
	SAM	SALVIA MELLIFERA 'JADE CARPET' / JADE CARPET BLACK SAGE	5 GAL.	6' O.C.	VERY LOW	2' HT. X 6' SPR.
HYDROSEED MIX	CODE	EROSION CONTROL	CONT.	SPACING	WUCOLS	SIZE AT MATURITY
	ERC	SPOROBOLIS ARIOIDES FESTUCA RUBRA MUHLENBERGIA RIGENS SALVIA SPATHACEA SALVIA LEUCOPHYLLA ERIOGONUM ARBORESCENS	-	-	VARIES	VARIES

Trees





