

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
BUILDING AND SAFETY DIVISION

STANDARD SPECIFICATIONS FOR HILLSIDE PLANTING

GENERAL STATEMENT

The intent of these specifications is to assist in compliance with the requirements of Section 7013 of the Los Angeles County Building Code applying to the planting of graded slopes.

A. Hillside seeding:

1. Seeding rate:

a. Annual grass and legume mixture.

Annual Ryegrass	16 lbs./acre
Vetch	15 lbs./acre
Bur Clover	<u>4 lbs./acre</u>
TOTAL	35 lbs./acre

b. Perennial grass and legume mixture.

Kentucky Bluegrass	5 lbs./acre
Birdsfoot Trefoil	<u>4 lbs./acre</u>
TOTAL	9 lbs./acre

c. Various grasses and legume mixtures.

Blando Brome	8 lbs./acre
Tall Wheatgrass	8 lbs./acre
Harding Grass	2 lbs./acre
Black Medic Clover	<u>4 lbs./acre</u>
TOTAL	22 lbs./acre

d. Alyssum and legume mixture.

Birdsfoot Trefoil	25 lbs./acre
Alyssum	<u>5 lbs./acre</u>
TOTAL	30 lbs./acre

- e. Other seeds as recommended by a registered landscape architect, subject to approval by the Department. Color may be provided utilizing flower seeds with recommended mixes.
2. Fertilizer applied at the rate of 32 pounds nitrogen and 40 pounds of phosphorus per acre. Drill or cultivate fertilizer into soil.
3. Apply seed by drilling or raking seed into soil using an organic material or soil mulch of 1/4" thickness. On large scale projects it is recommended that mulch seed and fertilizer be applied by hydro-mulching organic material in a water slurry that is applied by spraying on slope.
4. Irrigate seeded area immediately after planting at low rate of water application and maintain seeded slope in a moist condition.

B. Ground covers:

1. Recommended varieties (see attached plant list).
2. Planting:
 - a. Rooted cuttings to be planted in ground that has been moistened and plant pits to be 6" x 6".
 - b. Container grown plants to be planted in plant pits three (3) times wider than plant pit and depth double the height of plant ball. Backfill plant pit with 1/3 organic material mixed with soil from the site and amendments as needed to insure healthy growth. Plant crown to be at its natural growing height after settlement.
 - c. Mulch planting area with organic material to aid in providing cool moist surface for plants. Rate of application to depend on the steepness of slope.
 - d. Fertilize as necessary to assure health growth.
 - e. Irrigate immediately after planting and as required using low rate of water application to insure healthy growth of plant without excessive water runoff from slope.

C. Shrubs and trees:

1. Varieties (see attached list).
2. Planting (refer to paragraph on container grown plants for ground covers. Paragraph B-2(b)).

- a. Plants to be planted perpendicular to slope.
 - b. Trees to be staked utilizing at least one (1) red-wood stake 2" x 2" x 8' driven into soil adjacent to plant ball at least 6" in solid ground. Tie tree to stake with a material that will not damage tree trunk.
3. Mulch plant with at least 1" of organic material.
 4. Fertilize as necessary to assure healthy growth after plant begins new growth.
 5. Irrigate immediately after planting, soaking the soil around the plant ball so that there will be no air pockets.

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This table indicates the suggested planting for SLOPE EROSION CONTROL. Other suitable plants, as recommended by a landscape architect, may be approved.

BOTANICAL NAME	COMMON NAME	SOIL TYPE				CLIMATIC CONDITION				FIRE RETARDANT	SPACING	
		SAND OR LOAM	CLAYS	SHALES	GRANITE	SEA SHORE	COASTAL HUMID BELT	INLAND FROST FREE	INLAND FROST BELT		ROOTED CUTTINGS	GALLON SIZE
<u>SHRUBS (cont)</u>												
Grevillea banksi	Crimson coneflower	X	X		X		X	X				
Juniperus sab. Tam'folia	Savin juniper	X	X		X		X	X	X			
Myoporum species	Myoporum	X	X	X	X	X	X	X		X		
Nerium oleander	Oleander	X	X	X	X	X	X	X				
Photinia arbutifolia	Toyon or Christmasberry	X	X	X	X	X	X	X				
Rhus laurina	Laurel sumac	X	X	X	X	X	X	X				
Santolina virens	Green lavendercotton	X	X	X	X	X	X	X		X	X	
Spartium junceum	Yellow Spanish broom	X	X	X	X	X	X	X		X	X	
<u>TREES</u>												
Albizzia julibrissin	Silk tree	X	X	X	X	X	X	X	X			
Calodendrum capense	Cape chestnut	X	X	X	X	X	X	X				
Erythrina species	Coral tree	X	X	X	X	X	X	X				
Eucalyptus grossa	Phillips' River Euc.	X	X	X	X	X	X	X		X		
Gingo biloba	Maidenhair tree	X	X	X	X	X	X	X		X	X	
Gleditsia triacanthus	Honeylocust	X	X	X	X	X	X	X		X	X	
Liquidambar orientalis	Oriental sweet gum	X	X	X	X	X	X	X		X	X	
Parkinsonia aculeata	Jerusalem thorn	X	X	X	X	X	X	X		X	X	
Pinus species	Pine	X	X	X	X	X	X	X		X	X	
Prunus integrifolia	Catalina Cherry	X	X	X	X	X	X	X		X	X	
Schinus molle	California Pepper	X	X	X	X	X	X	X		X	X	
Schinus terebinthifolius	Brazilian Pepper	X	X	X	X	X	X	X		X	X	

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<u>GROUND COVER</u>												
Achillea Tomentosa	Woolly Yarrow	X	X		X	X	X	X	X	X	12"	5'
Boug'villea spectabilis	Brazil bougainvillea	X	X		X	X	X	X	X		24"	5'
Gazania Uniflora leucoleana	Trailing gazania	X	X		X	X	X	X	X		24"	3'
Hedera varieties	Ivy	X	X	X	X	X	X	X	X		18"	3'
Hypericum calycinum	Aarons beard	X	X	X	X	X	X	X	X		18"	3'
Lantana varieties	Lantana	X	X	X	X	X	X	X	X		21"	4'
Lippia canescens repens	Creeping Lippia	X	X	X	X	X	X	X	X		15"	4'
Lonicera species	Honeysuckle	X	X	X	X	X	X	X	X		24"	4'
Mesembryanthemum small leaf varieties	Iceplant	X	X		X	X	X	X	X		*	
Osteospermum fruticosus	Trailing African Daisy	X	X	X	X	X	X	X	X		12"	4'
Plumbago capensis	Cape plumbago (Leadwort)	X	X	X	X	X	X	X	X			4'
Rosmarinus prostrate type	Creeping Rosemary	X	X	X	X	X	X	X	X		21"	4'
Vinca varieties	Periwinkle	X	X	X	X	X	X	X	X		24"	4'
<u>SHRUBS</u>												
Acacia longifolia	Sallow wattle	X	X		X		X	X	X			
Acacia verticillata	Star acacia	X	X		X	X	X	X	X			
Althea syriacus	Rose of Sharon	X	X	X	X		X	X	X			
Atriplex canescens	Four winged salt bush	X	X		X	X	X	X	X			
Atriplex lentiformis	Salt bush	X			X	X	X	X	X			
Baccharis pilularis	Dwarf coyote bush	X			X	X	X	X	X			
Callistemon species	Bottle brush	X	X	X	X	X	X	X	X			
Ceanothus floriosus	Point reyes ceanothus	X			X	X	X	X	X			
Ceanothus griseus horizontalis	Carmel creeper	X	X		X	X	X	X	X			
Cistus species	Rockrose	X	X		X	X	X	X	X			
Echium fastuosum	Pride of Madiera	X	X	X	X	X	X	X	X			
Eleagnus pungens	Silverberry	X	X	X	X	X	X	X	X			
Eriogonum fasciculatum	Flat top eriogonum	X			X	X	X	X	X			

*Unrooted cuttings 6" long 18" apart