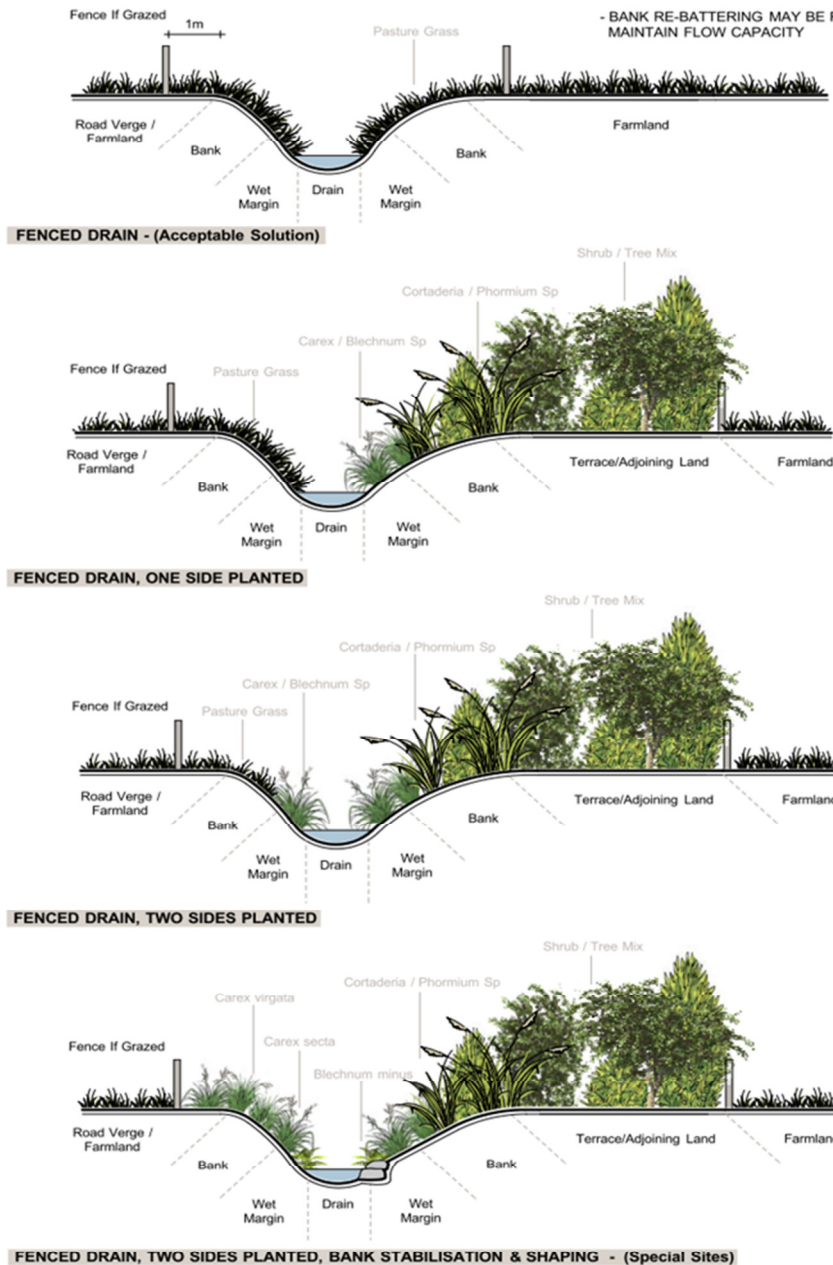


Land Drainage Planting Design and Recommended Native Plant Species

NOTE: - FENCE AND PLANTING REQUIREMENTS TO BE CONFIRMED ONSITE WITH COUNCIL
- REFER TO SDC DRAIN PLANTING LIST
- BANK RE-BATTERING MAY BE REQUIRED TO MAINTAIN FLOW CAPACITY



Land Drainage Recommended Native Plant Species

Botanical Name	Common Name	Plant Type	Planting Zone				Comments
			Wet Margin	(upper) Bank	Terrace	Bank Stabilisation	
<i>Blechnum Minus</i>	Fern	Fern	Y				Damp, shady edges
<i>Chionochloa rubra</i>	red tussock	Grass		Y		Y	Handles wet to dry conditions
<i>Cortaderia richardii</i>	toe toe	Grass		Y	Y	Y	Smaller than other toe toe species, good low shelter
<i>Carex secta</i>	tussock sedge	Sedge	Y	Y		Y	Suits larger sites
<i>Carex virgata</i>	swamp sedge	Sedge	Y	Y	Y	Y	Smaller than Secta, not suitable for fast water
<i>Coprosma propinqua</i>	mikimiki (shrub)	Shrub		Y	Y	Y	Berries good lizard and bird food source
<i>Coprosma repens</i>	Taupata	Shrub		Y	Y		Berries attracts birds
<i>Plagianthus divaricatus</i>	Swamp ribbonwood	Shrub		Y	Y	Y	Tolerant of wet soils, good hedge
<i>Coprosma crassifolia</i>		Shrub			Y		Tolerates dry sites
<i>Phormium tenax</i>	harakeke / NZ flax	Flax		Y	Y	Y	Care should be taken to not plant too close to lower bank to avoid slumping of banks
<i>Coraderia Toe Toe</i>	Toe Toe	Grass			Y	Y	Good shelter, and hardy
<i>Griselinia littoralis</i>	Broadleaf	Small tree					Withstands wind, good shelter and berries attract birds
<i>Coprosma robusta</i>	karamū	Small tree		Y	Y	Y	Berries attracts birds
<i>Cordyline australis</i>	tī kōuka / cabbage tree	Small tree			Y	Y	Nectar for birds and bees
<i>Olearia paniculata</i>	Akiraho	Small tree			Y		Nectar for birds and bees
<i>Dodonea viscosa</i>	Akeake	Small tree			Y		Tolerates dry sites, good shelter
<i>Leptospermum</i>	Manuka	Small tree		Y	Y	Y	Nectar for birds and bees
<i>Pseudopanax arboreus</i>	Five Finger	Small tree			Y		Tolerates wind, good shelter. Berries for birds
<i>Pittosporum tenuifolium</i>	Kohuhu	Small tree			Y		Good shelter
<i>Aristotelia serrata</i>	Wineberry	Small tree			Y		Berries
<i>Hoheria angustifolia</i>	hungere / narrow-leaved lacebark	Small tree			Y		Good shelter
<i>Hoheria populnea</i>	Lacebark/Houhere	Tree			Y		Good shelter
<i>Pittosporum</i>	Lemonwood	Tree			Y		Good shelter
<i>Kunzea ericoides</i>	Kanuka	Tree			Y		Nectar for birds and bees
<i>Carpodetus serratus</i>	Marbleleaf	Tree			Y		Berries, needs moist conditions
<i>Plagianthus regius</i>	mānatu / lowland ribbonwood	Tree			Y		Wind resistant, good shelter
<i>Sophora microphylla</i>	Kowhai	Tree			Y		Nectar for birds and bees. Can be poisonous to stock so a setback from fence
<i>Elaeocarpus hookerianus</i>	Pokaka	Tall Tree			Y		Berries
<i>Northofagus fusca</i>	Red Beech	Tall Tree			Y		
<i>Northofagus solandri</i>	Black Beech	Tall Tree			Y		Honey dew
<i>Podocarpus Totara</i>	Totara	Tall Tree			Y		Berries for birds
<i>Pseudopanax crassifolius</i>	Lancewood/Horoeka	Tall Tree			Y		Hardy, wind resistant.
<i>Dacrycarpus dacrydoides</i>	Kahikatea	Tall Tree			Y	Y	Suits sites with larger riparian set back from drains or wet sites

Suit sites with wider riparian set back from drain

The above species are recommended as they are hardy species that provide bank stabilisation, shade and shelter for adjacent farmland as well as habitat and food for our native fish, birds, bees, invertebrates and lizards. Other native species may be suitable but the above are foundation species for riparian planting along drains. Planting should follow the Land Drainage Planting Design and after a Land Drainage Planting Application Form has been submitted to Council.

For information and advice please contact the Selwyn District Council Land Drainage Engineer ph 347 2800
www.selwyn.govt.nz