



REV A_FOR INFORMATION | 15.FEBRUARY.2019

REV B_UPDATE TREES TO BE REMOVED | 26.JUNE.2019



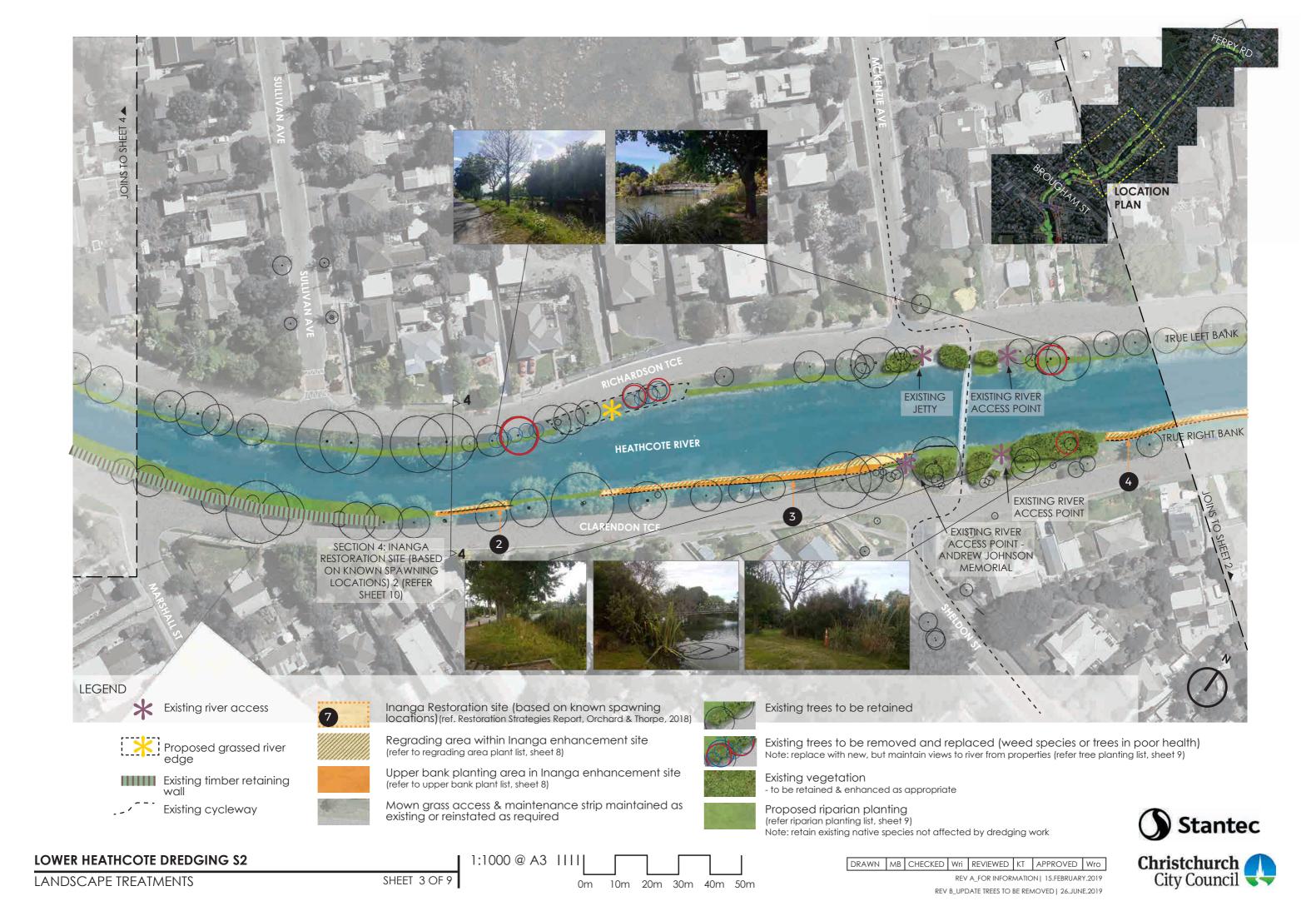


LOWER HEATHCOTE DREDGING \$2

10m 20m 30m 40m 50m

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Christchurch City Council





LOWER HEATHCOTE DREDGING \$2

LANDSCAPE TREATMENTS

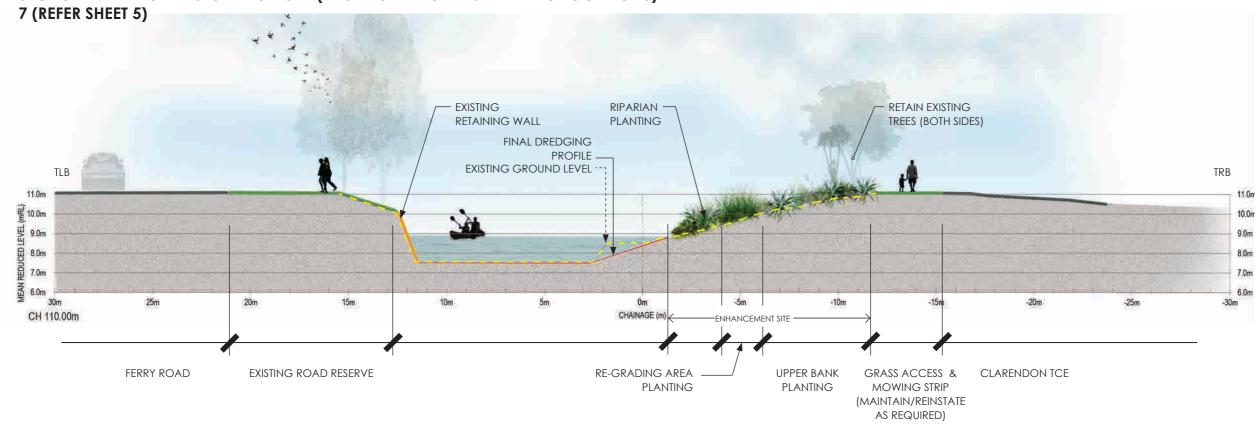
10m 20m 30m 40m 50m

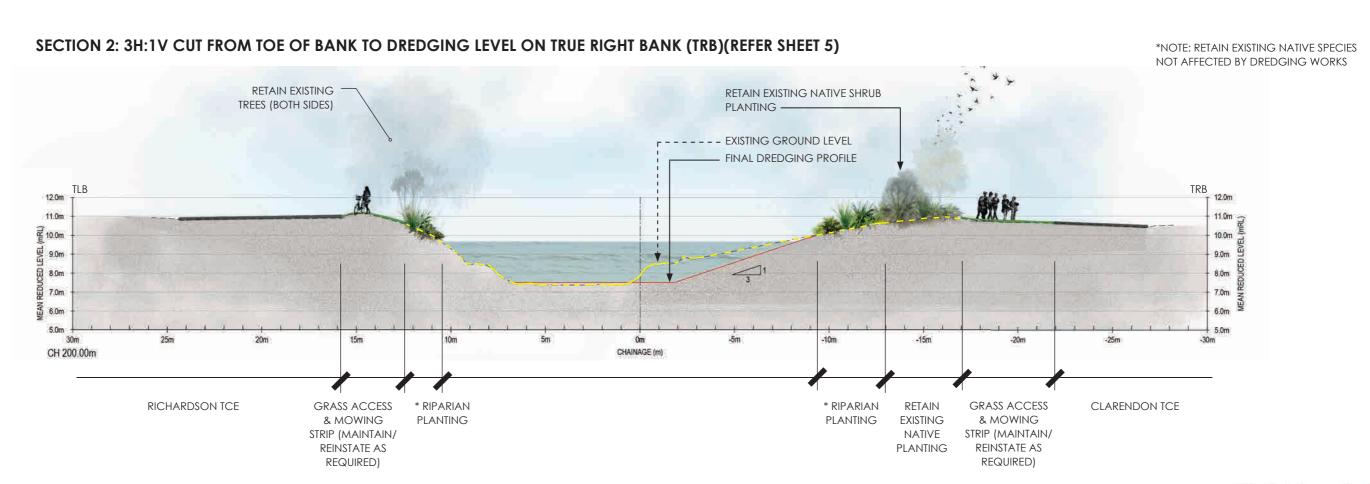
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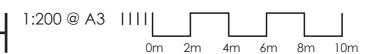


SECTION 1: INANGA RESTORATION SITE (BASED ON KNOWN SPAWNING LOCATIONS)



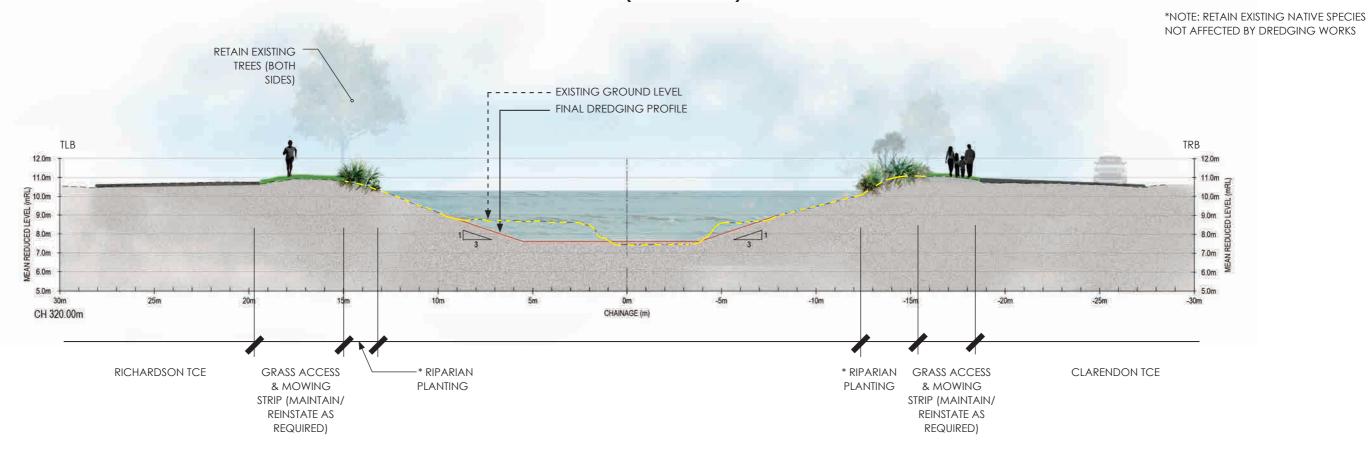


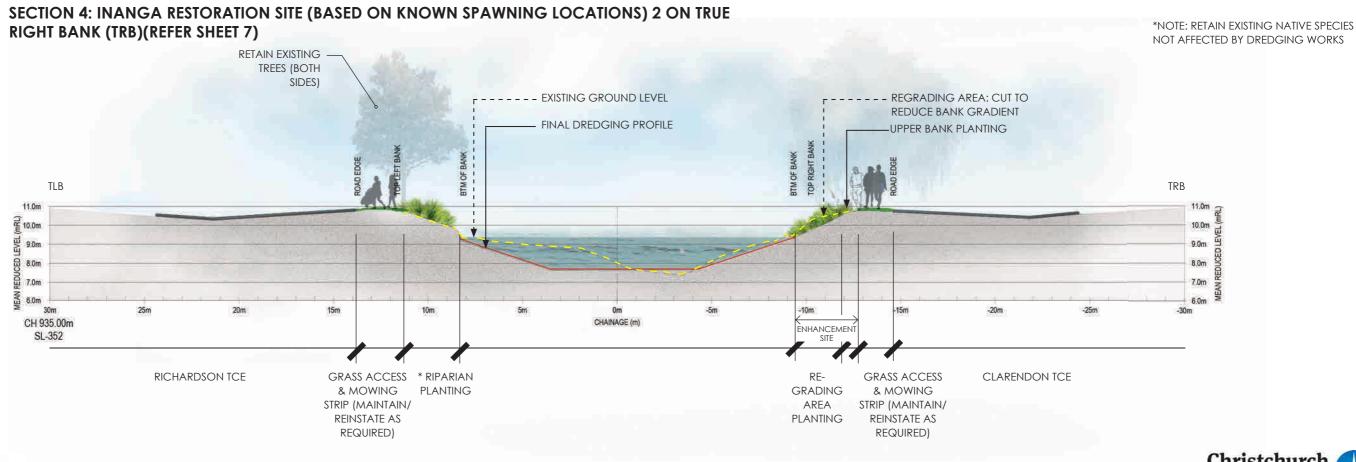




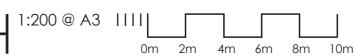


SECTION 3: 3H:1V CUT FROM TOE OF BANK TO DREDGING LEVEL ON BOTH SIDES (REFER SHEET 5)



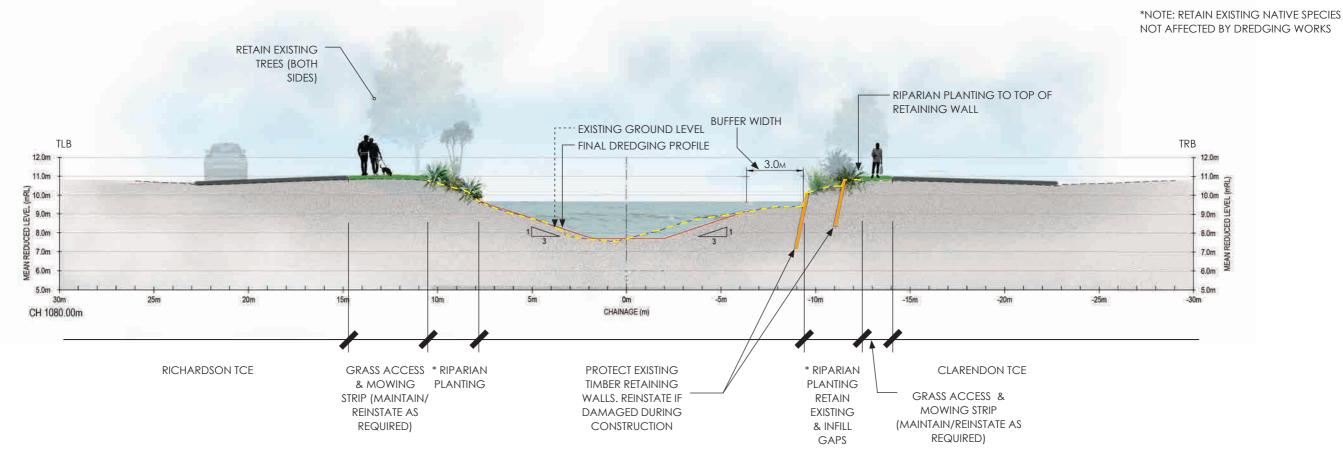


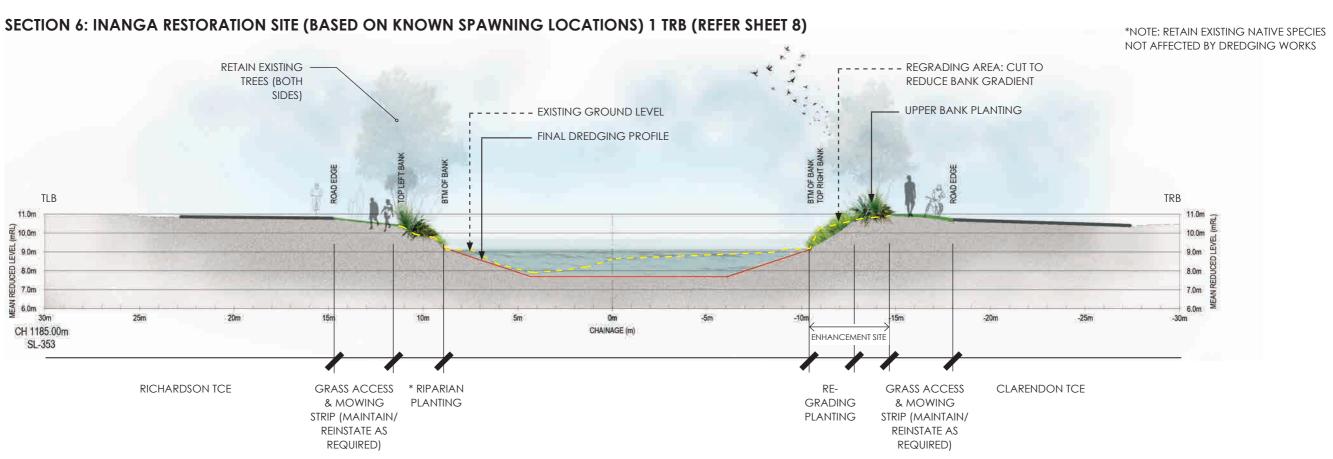






SECTION 5: BUFFER WIDTH ON TRB TO PROTECT EXISTING RETAINING WALL (REFER SHEET 8)







 Christchurch City Council

| DRAWN | MB | CHECKED | Wri | REVIEWED | KT | APPROVED | Wro |
| REV A_FOR INFORMATION | 15.FEBRUARY.2019 | SHOWN AT MATURITY

X-SECTIONS 5 & 6 SHEET 7 OF 9

UPPER BANK PLANT LIST

Main planting









Carex maorica Carex secta
- Māori sedge - Pukio

ecta Carex virgata io - Pukio

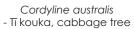
Dianella nigra - Wiwi



Libertia ixioides - Mikoikoi

Use Sparingly







Phormium tenax - Harakeke, fla



Plagianthus divaricatus - Swamp ribbonwood



Austroderia richardii - Toetoe

Note: Work around and retain existing native species.

Swamp ribbonwood to only be used where there is sufficien width and where views to the river will not be compromised.

LOWER HEATHCOTE DREDGING \$2- CONSULTATION DRAWING

REGRADING AREAS PLANT LIST

Main planting





Carex secta - Pukio

- Pukio







Juncus sarophorus

- Giant rush

Stantec

Christchurch
City Council

RIPARIAN PLANTING

Main planting





TREES

To replace any removed







- Manatu







Alnus rubra

- Red Alder

GRASS ACCESS & MOWING STRIP

Grass seed as per CSS Part 7.



On the true right bank (TRB), the mowing strip is linear between existing planting and ecological restoration sites.

On the true left bank (TLB), the mowing strip is to extend beyond the tree trunks to maintain views to the river and enable more successful establishment of plants (the crest of the bank is very dry). In wide areas, the mowing strip could extend up to 3m. In narrow areas the mowing strip is to be to the edge of sprayed radius around trees. Fill hollows in the existing banks formed by earthworks or tree removal.

Use Sparingly



Carex virgata

- Pukio

Blechnum penna-marina - Kiokio



Dianella nigra

- Wiwi

Coprosma propinqua - Mingimingi



Veronica salicifolia

- Koromiko, hebe

Cordyline australis - Tī kouka, cabbage tree



Phormium tenax - Harakeke, fla

Note: possible include other hard ferns e.g. Microsorum pustulatum / hounds tongue fern.





