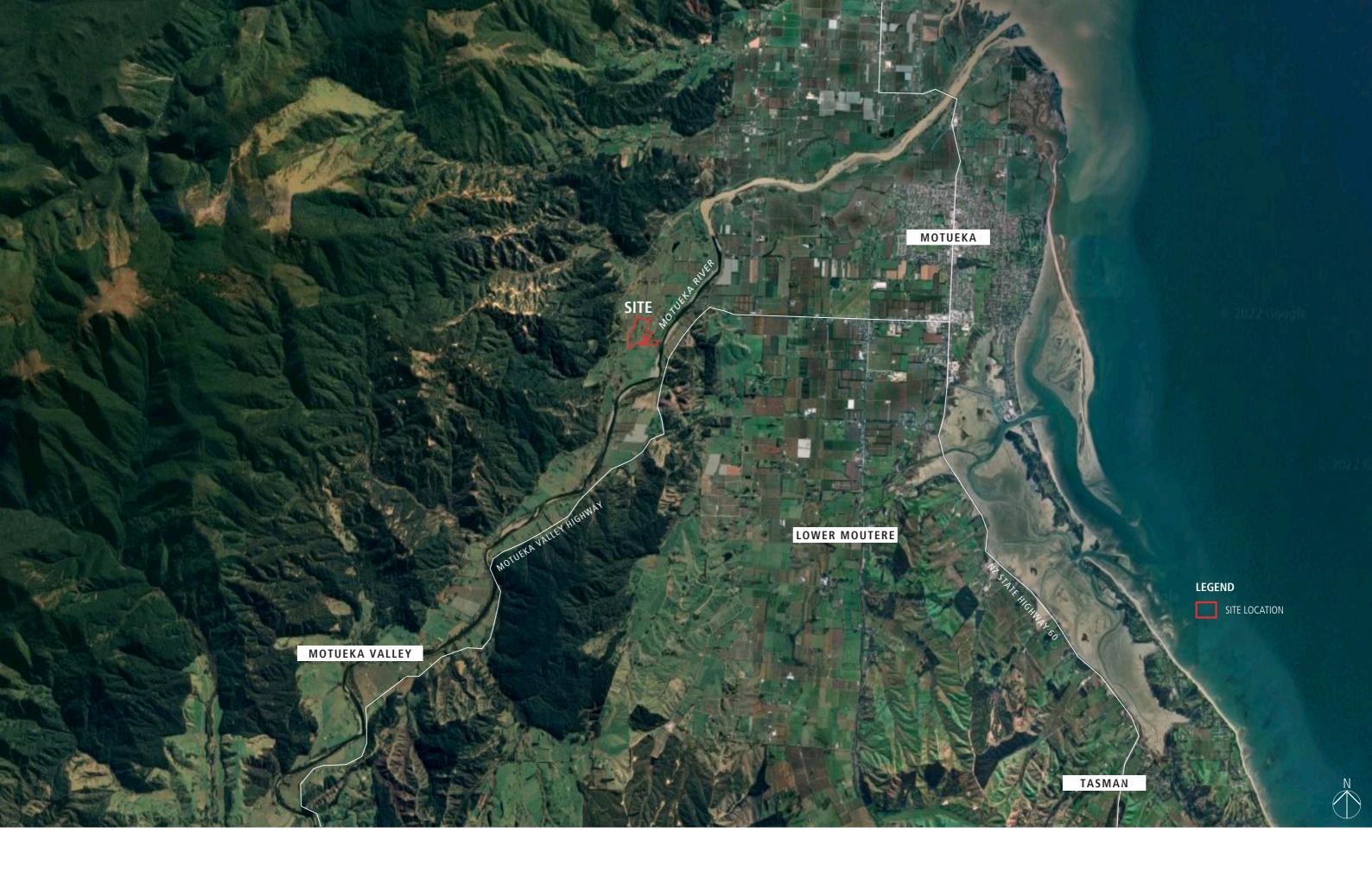




# APPENDIX 1 C J INDUSTRIES FAST TRACK APPLICATION 22ND APRIL 2024





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# LEGEND



Proposed Location of Additional Monitoring Bore

. (AREA A) ALL NATIVE SPECIES .PLANTING TO BE A MIX OF THE FOLLOWING LIST BELOW (ONLY NATIVES), PLANTED AT 1.5/2m SPACINGS FOR SHRUBS WITH RT SHRUB GRADE SOURCED LOCALLY, AND 4.5m SPACINGS FOR TREES WITH PB18 SPECIMEN TREE GRADE.



(AREA B) NO POPULUS 'CROWS NEST' -PLANTING TO BE A MIX OF THE FOLLOWING LIST BELOW MINUS POPULUS 'CROWS NEST', PLANTED AT 1.5/2m SPACINGS FOR SHRUBS WITH RT SHRUB GRADE SOURCED LOCALLY, AND 4.5m SPACINGS FOR TREES WITH PB18 SPECIMEN TREE GRADE.



(AREA C) INFILL UNDERSTOREY PLANTING

-PLANTING TO BE A MIX OF THE UNDERSTOREY SPECIES, PLANTED AT 1.5/2m SPACINGS FOR SHRUBS WITH RT SHRUB-GRADE SOURCED LOCALLY, AND 4.5m SPACINGS FOR TREES WITH PB18 SPECIMEN TREE GRADE.

TALL TREES EUCALYPTUS GLOBOIDEA - WHITE STRINGYBARK DACRYCARPUS DACRYDIOIDES - KAHIKATEA POPULUS 'CROWS NEST' - CROWS NEST POPLAR POPULUS NIGRA - LOMBARDY POPLAR

UNDERSTOREY ALECTRYON EXCELSUS - TITOKI ARISTOTELIA SERRATA - MAKOMAKO CARPODETUS SERRATUS - PUTAPUTAWETA CARPODETUS SERVATUS - PUTAPOTAWETA COPROSMA ROBUSTA - KARAMU CORDYLINE AUSTRALIS - CABBAGE TREE DODONAEA VISCOSA - AKEAKE KUNZEA ERICOIDES - KANUKA LEPTOSPERMUM SCOPARIUM - MANUKA MELICYTUS RAMIFLORUS - MAHOE

# MYRSINE AUSTRALIS - MAPOU MYOPORUM LAETUM - NGAIO MYOPORUM LAFLUM - NGAIO PHORNIUM TENAX - SWAMP FLAX PITTOSPORUM EUGENIOIDES - LEMONWOOD PITTOSPORUM TENUIFOLIUM - KOHUHU PLAGIANTHUS REGIUS - RIBBONWOOD PSEUDOPANAX ARBOREUS - FIVE FINGER SOPHORA MIRCROPHYLLA - KOWHAI

### MAINTENANCE & ESTABLISHMENT PLAN

### TIMING

1. Planting to be undertaken between the months of April and October to take advantage of optimum rainfall and climatic conditions best suited to plant growth.

PREPARATION 2. The contractor shall carry out the works to protect the existing subsoil structures and prevent excessive soil structure damage. Ensure at least 50mm of topsoil present

3. Prepare planting area by spraying planting zone areas as required to reduce initial weed and grass growth

4. Plants should be of the species on the drawings. Plants shall be vigorous, well established, hardened off, of good form consistent with the specie or varieties, not soft or forced, free from disease and insect pests, with large healthy root systems and no evidence of being restricted or damaged. The trees shall have a single leading shoot.

### SETOUT

5. The planting hole shall be twice the root ball width and twice the root ball depth. Planting holes , except for wetland plants, shall be loosened for at least 75mm each side of the under plant prior to planting.

6. Each plant shall be watered thoroughly after planting, ensuring that the moisture has penetrated to the full depth of the root ball (initial watering is also important to settle the soil around the roots).

### PEST MANAGEMEN

7. To minimise rabbit damage to plants apply telgrow foliage spray after planting and as required after heavy rain and install cardboard, biodegradable plant guards around plants.

8. Plant pests to be controlled by continual weeding and regularly monitored for a period of three years or until plant specimens become fully sufficiently established.

9. All planting next to stock paddocks to be fenced off.

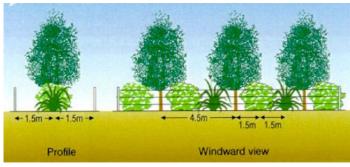
### MAINTENANCE

9. General maintenance shall include watering, weed removal, plant trimming, cultivation, insect and disease control, checking stakes and ties, pruning and other accepted horticultural operations to ensure normal and healthy plant establishment and growth.

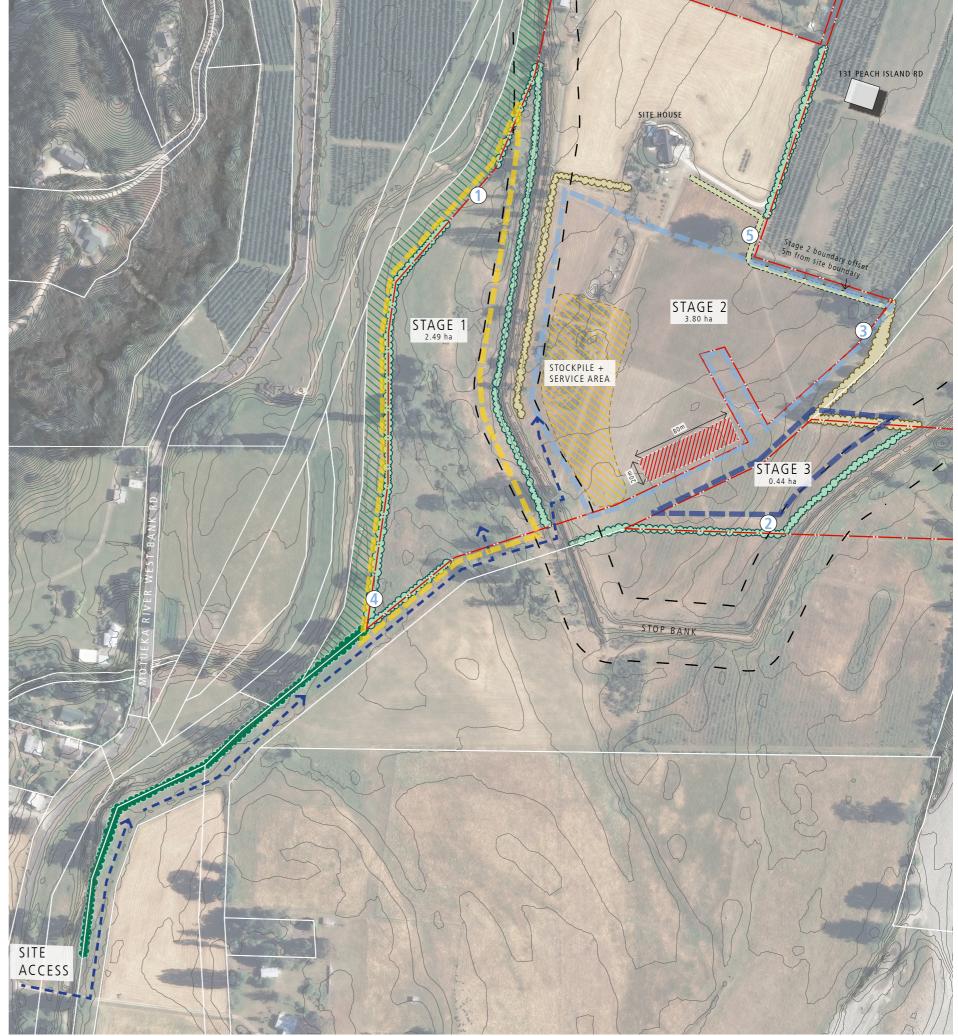
10. Any plants that fail are to be replaced and planted during the next available planting season as defined above.

### SHELTERBELT FORMATION TO BE USED

Boffa Miskell







# OVERALL LANDSCAPE MITIGATION PLAN FIGURE 1

Note: Contours shown are existing. Earthworks will be reinstated to be consistent with these contours

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# LEGEND

----- SITE BOUNDARY

----- PROPOSED FENCING FOR LIVESTOCK

— 20m SETBACK FROM STOPBANK



ADJOINING MARGINAL CONSERVATION STRIP

STAGE 1 EXTRACTION SITE BOUNDARY

MITIGATION PLANTING -NEW TREES TO BE PLANTED MINIMUM OF 5m FROM BOTTOM OF STOPBANK

## (AREA A) ALL NATIVE SPECIES

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## STAGE 1 RIVER TERRACE RESTORATION: TOTAL AREA = 1.35ha

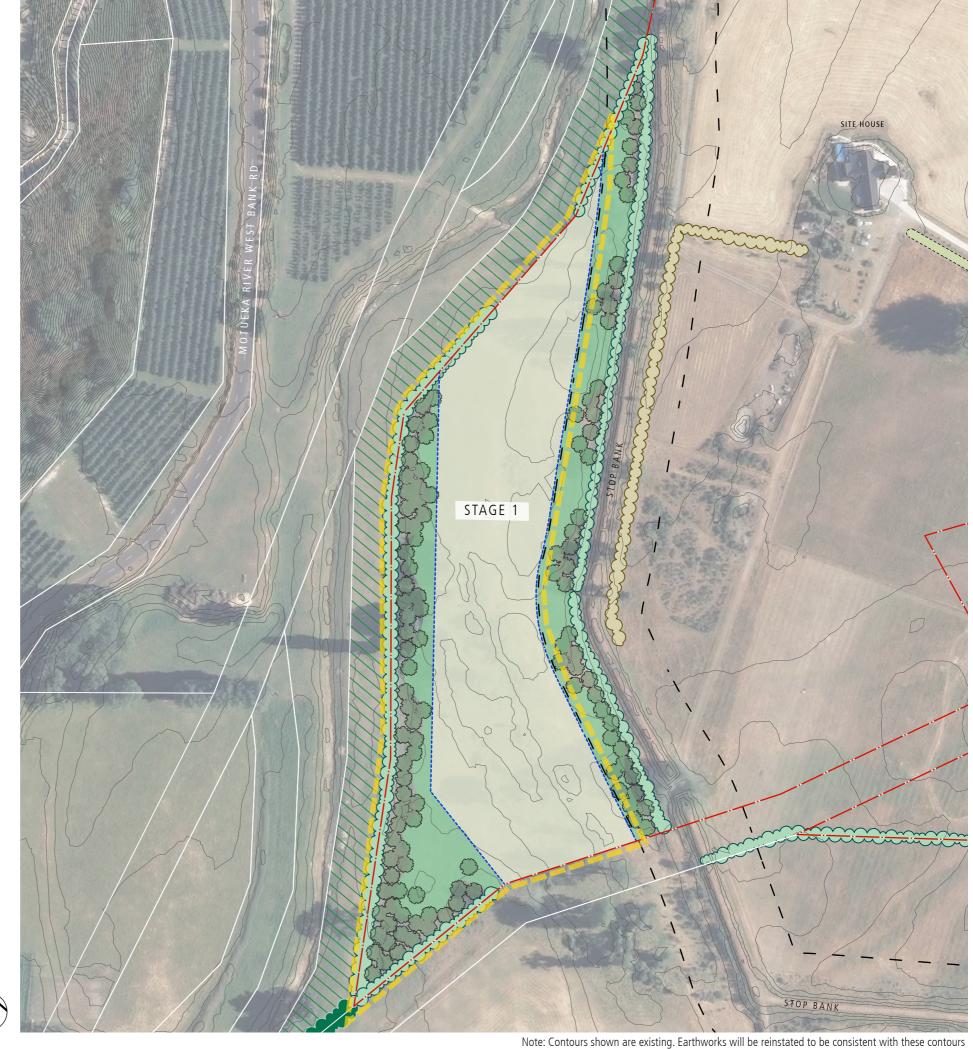
NATIVE GRASSES / SEDGES -PLANTING TO BE A MIX OF THE FOLLOWING LIST BELOW, PLANTED AT 1.5/2m SPACINGS FOR SHRUBS WITH RT GRADE SOURCED LOCALLY.

COPROSMA PROPINQUA - MINGIMINGI CORTADERIA RICHARDII - SOUTH ISLAND TOETOE PHORMIUM TENAX - NZ FLAX



NATIVE TREES -PLANTING TO BE A MIX OF THE FOLLOWING LIST BELOW, PLANTED AT 4.5m SPACINGS FOR TREES WITH PB18 SPECIMEN TREE GRADE. CORDYLINE AUSTRALIS - CABBAGE TREE DACRYCARPUS DACRYDIOIDES - KAHIKATEA HOHERIA ANGUSTIFOLIA - NARROW-LEAVED LACEBARK PENNANTIA CORYMBOSA - KAIKOMAKO PLAGIANTHUS REGIUS - LOWLAND RIBBONWOOD

STAGE 1 PASTURE LAND: TOTAL AREA = 1.66ha TO BE FENCED AND KEPT CLEAR OF NEW PLAN





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