

WAIMAKARIRI IRRIGATION LIMITED

WRIGHTS ROAD STORAGE PONDS

Appendix 3 - Supplimentary A3 Plans

In the Environment Court of New Zealand at Christchurch

under: the Resource Management Act 1991

in the matter of: an appeal under section 120 of the Act

between: Eyre Community Environmental Safety Society Incorporated
Appellant

and: Canterbury Regional Council
First Respondent

and: Waimakariri District Council
Second Respondant

and: Waimakariri Irrigation Limited
Applicant

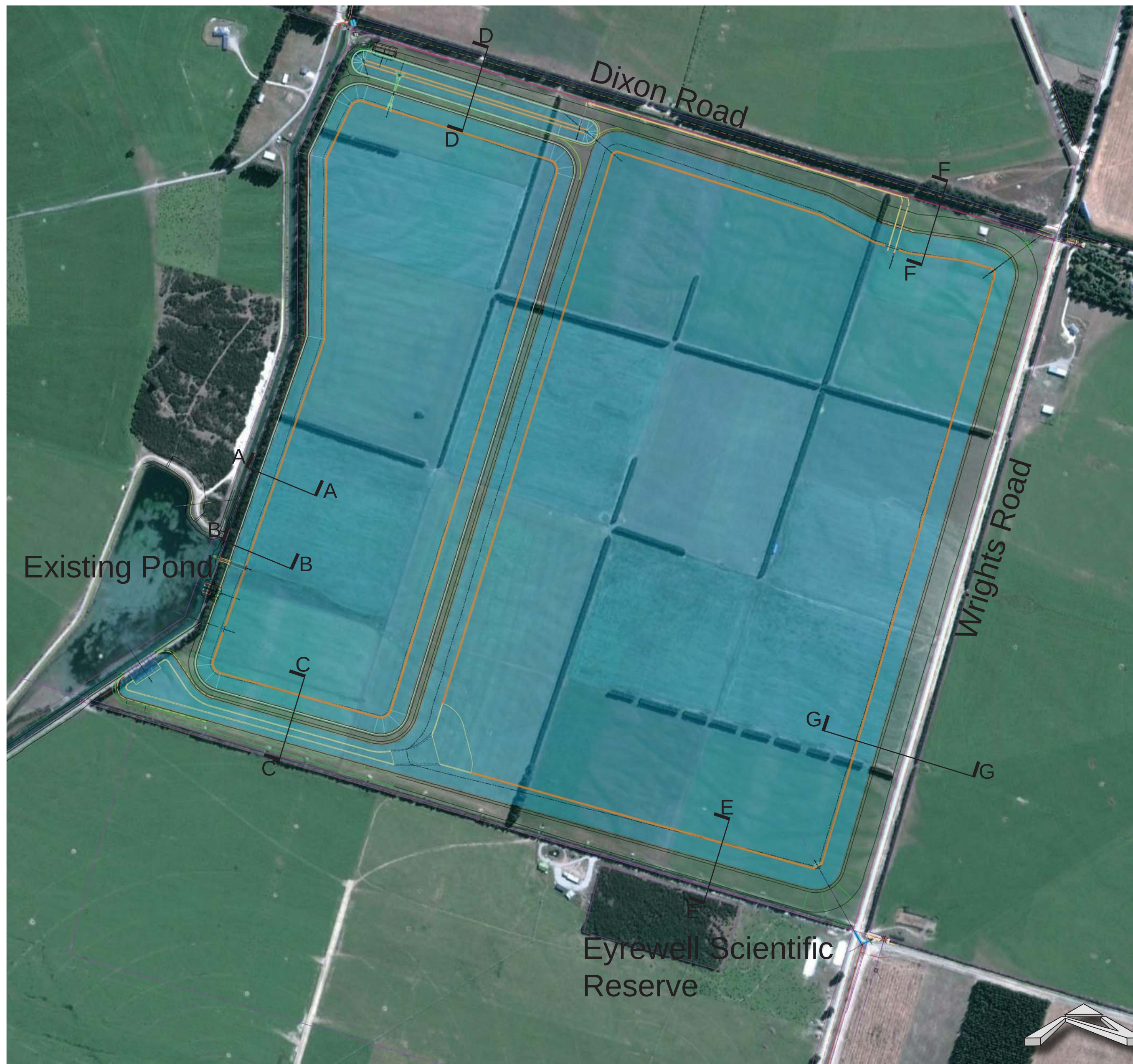
Statement of Evidence of Grant Edge
May 2015

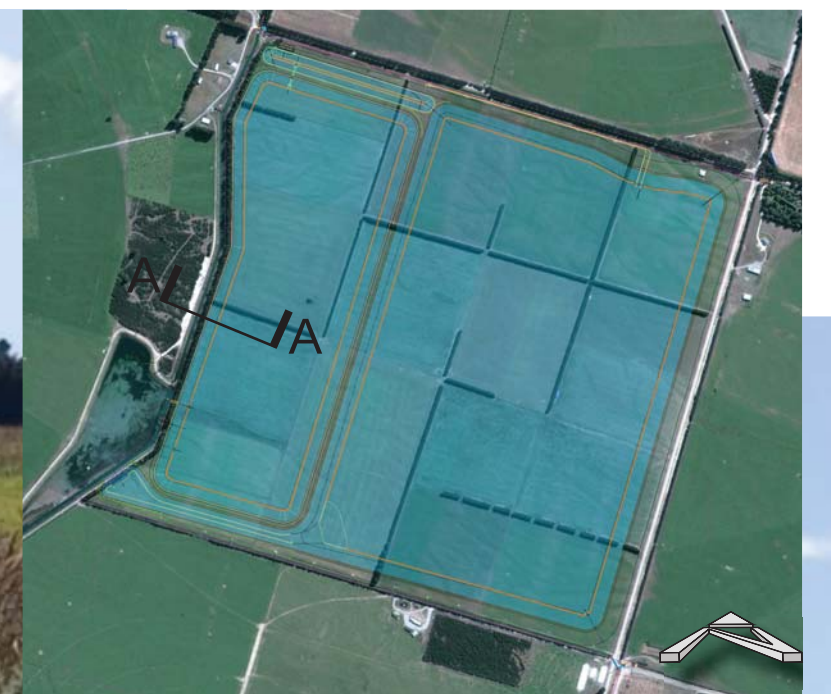
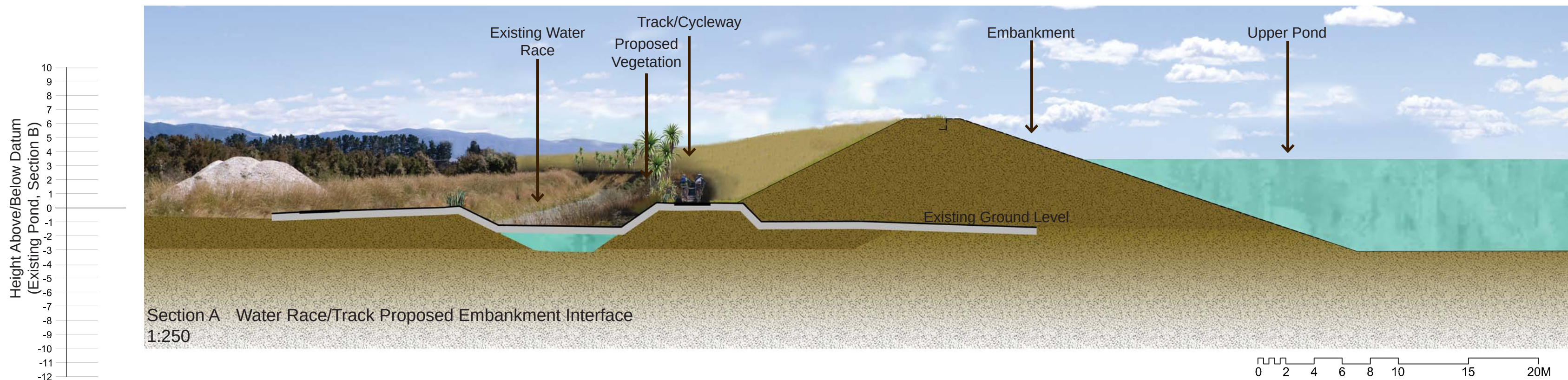
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Landscape Visual Assessment - Supplementary Plans A3 Reduced

Dated: 18.05.2015

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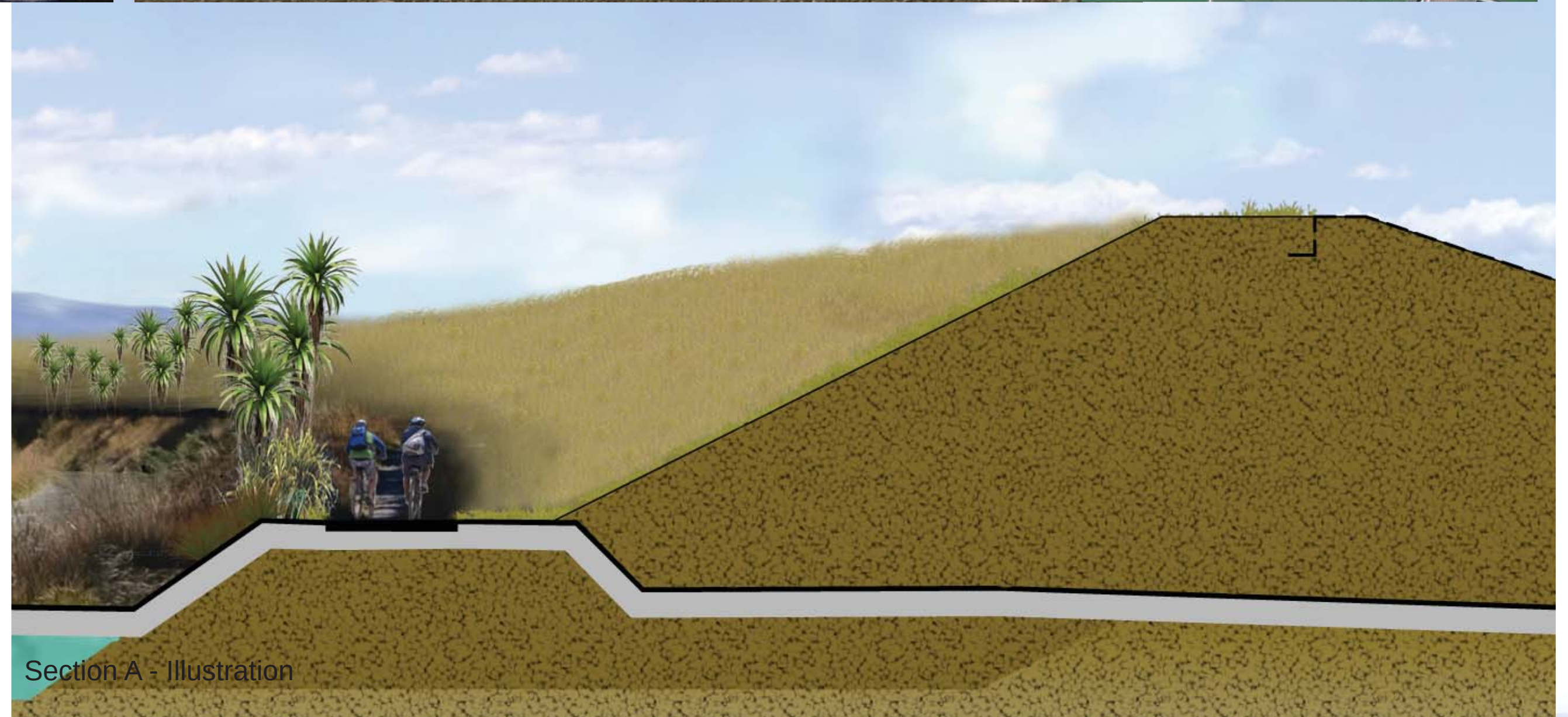


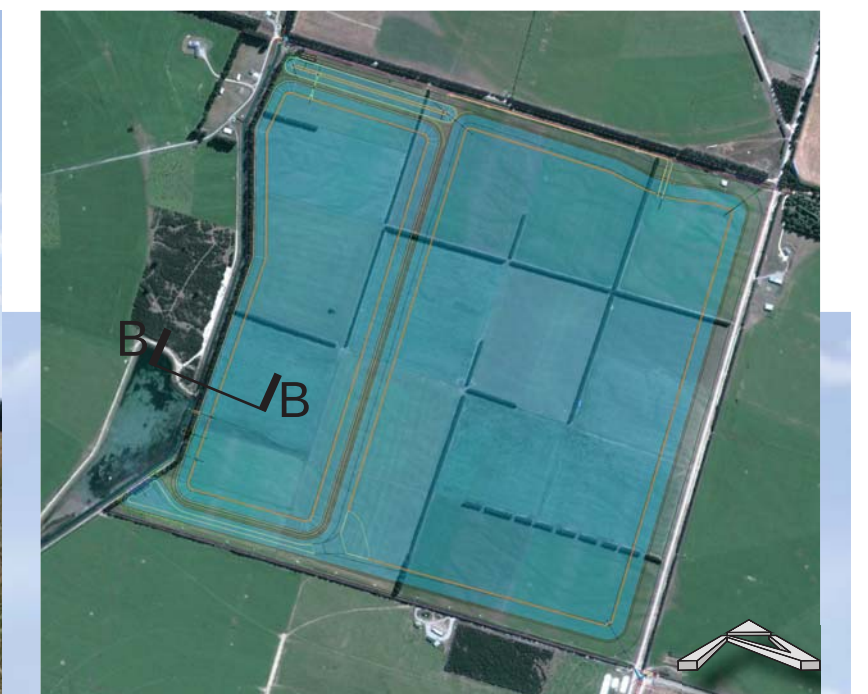
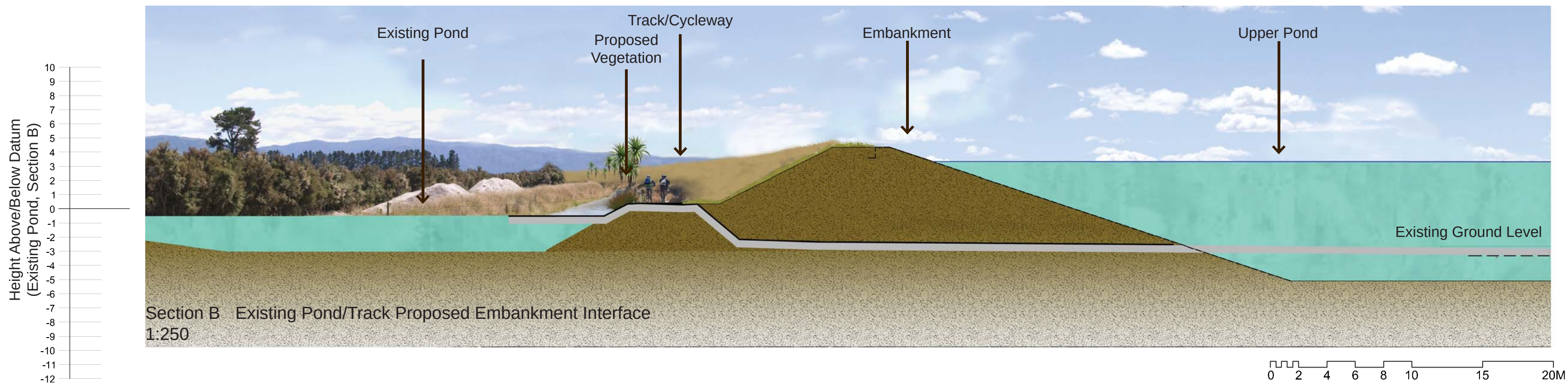
Existing Landscape

A remnant piece of Kanuka bush is growing to the west of the access track to the existing pond. The track follows the water race and sits on elevated ground with a mature pine shelterbelt to the east. The proposed pond site is currently grassland paddocks at a lower level.

Proposed Landscape

The remnant bush will be retained. The water race will remain. The track will be modified during construction of the embankments but improved to provide for a publicly accessible cycle/ walking route. The pine trees will be removed and the lower slopes of the embankment revegetated with meadow grasses. Where possible native species would be introduced along the edge of the track. The upper pond is located to the east.



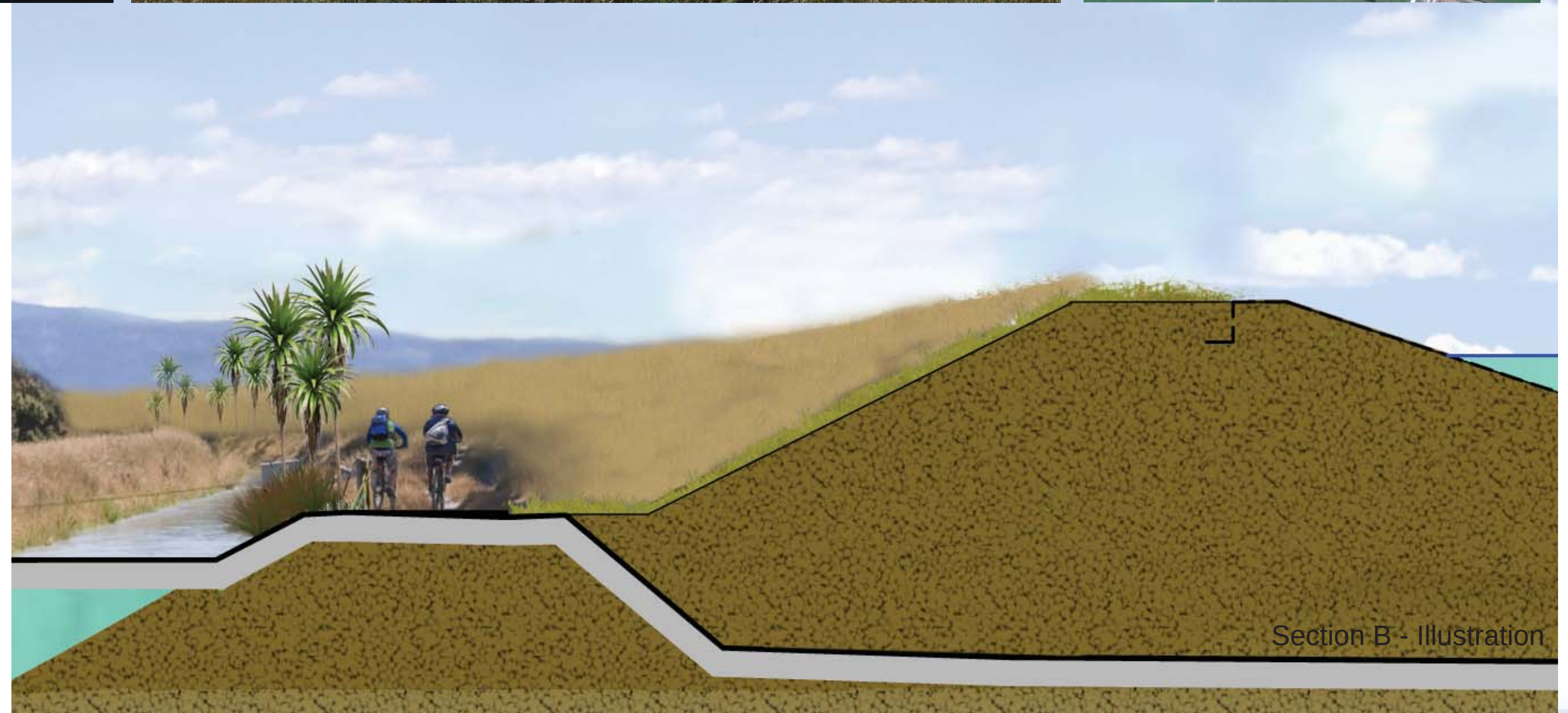


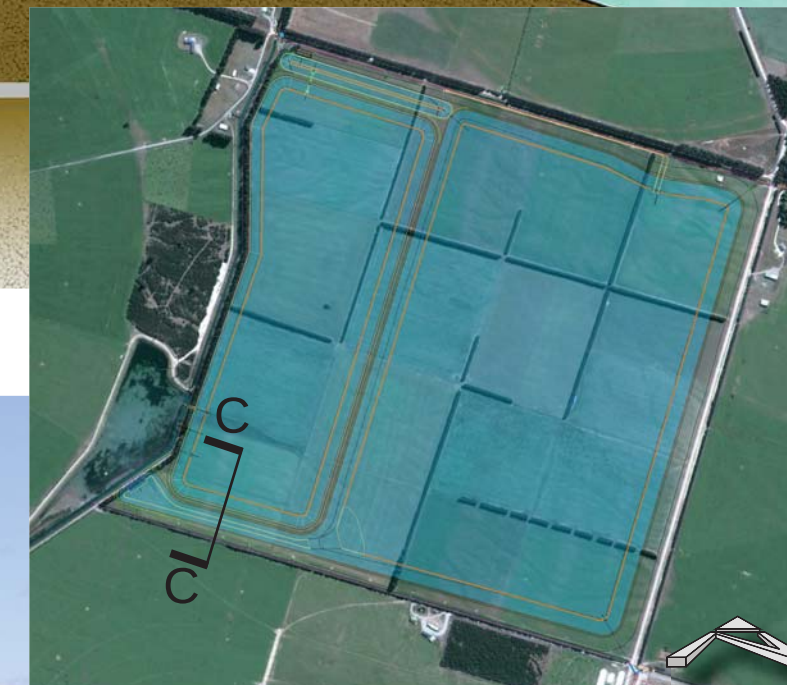
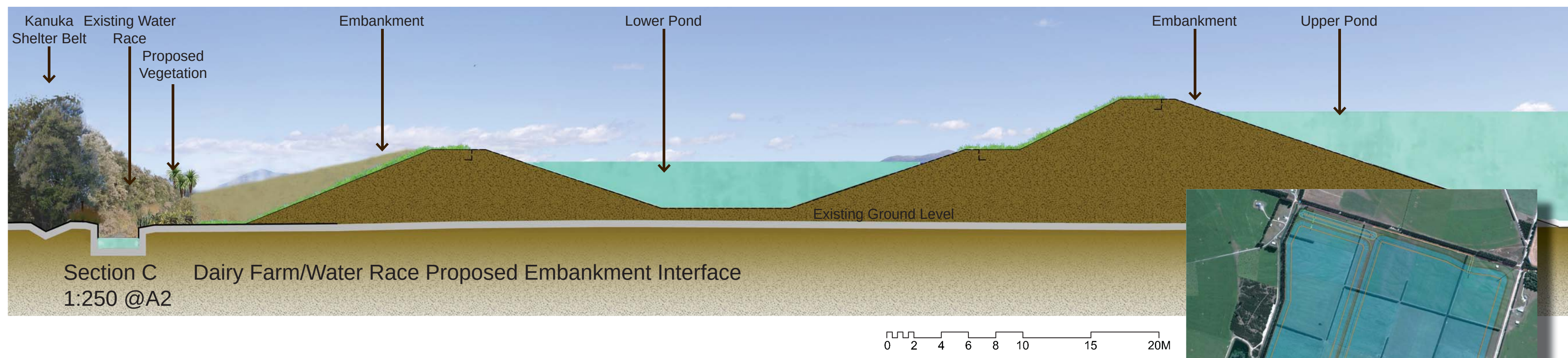
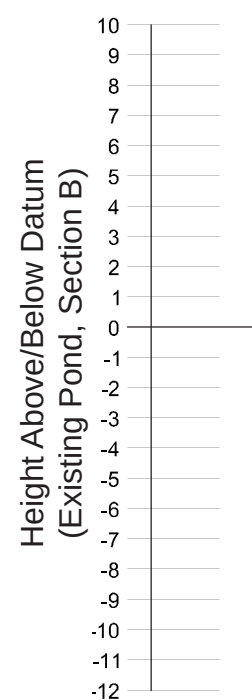
Existing Landscape

The existing large storage pond has a natural ambiance with wild fowl resting on the waters. There are distant views west Oxford and the mountains. The track on elevated ground provides views across the pond and the proposed upper pond will be constructed to the eastern side of the pines that follow the track.

Proposed Landscape

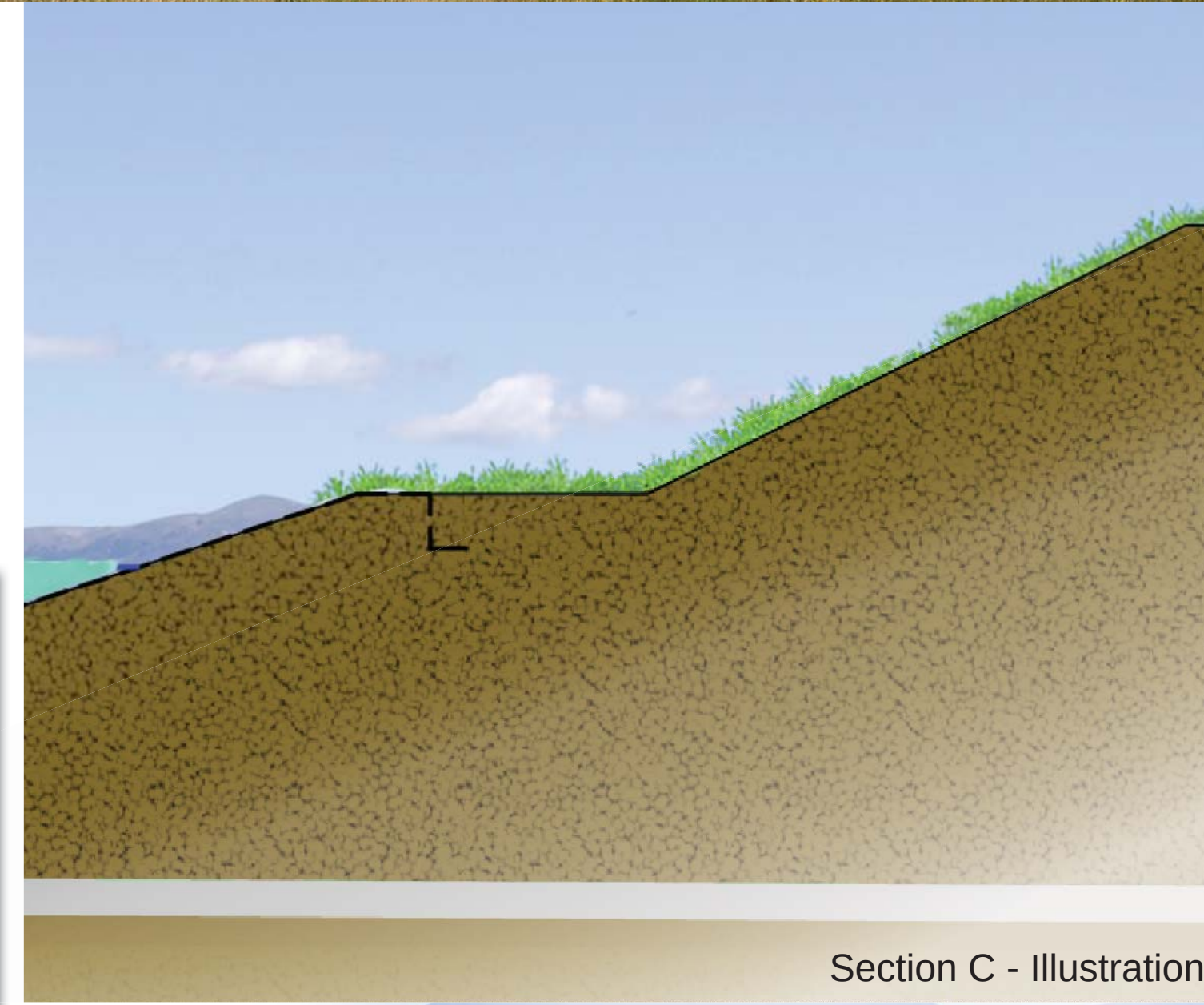
The existing pond will be retained but slightly altered at the edge to provide for more wetland type vegetation. The track will be modified during construction of the embankments but improved to provide for a publicly accessible cycle/ walking route. The pine trees will be removed and the lower slopes of the embankment revegetated with meadow grasses. The upper pond is located to the east.



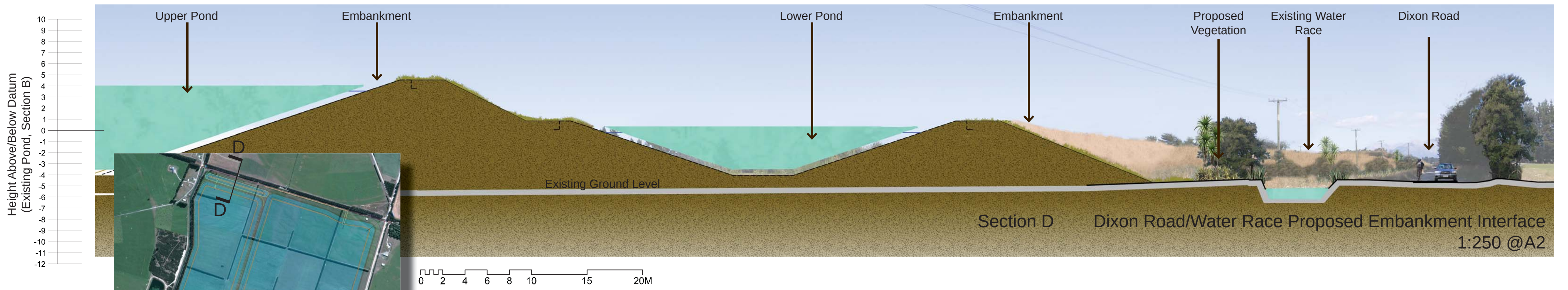


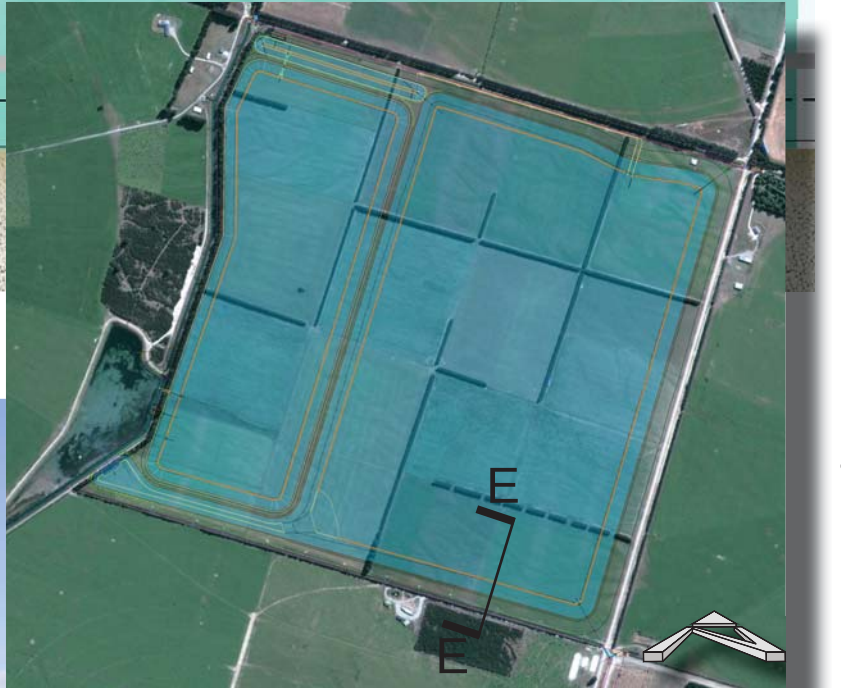
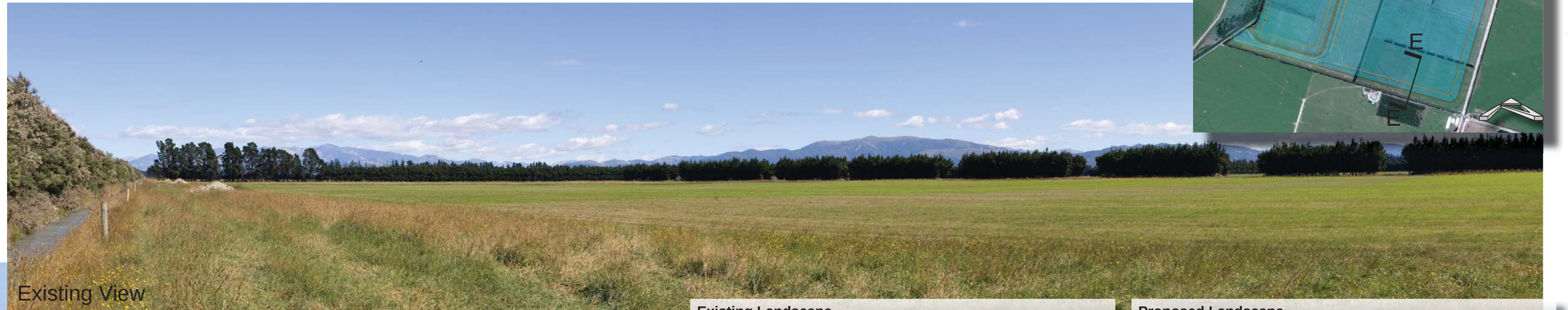
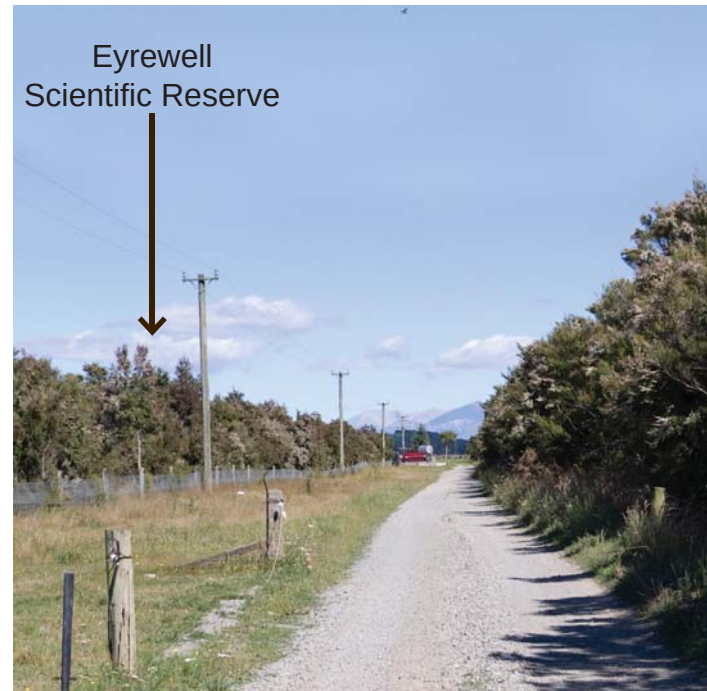
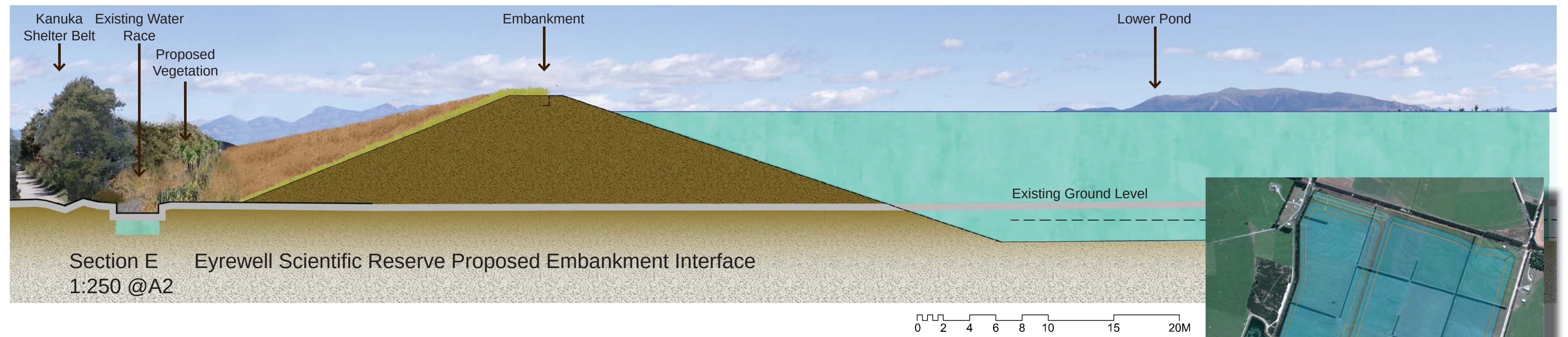
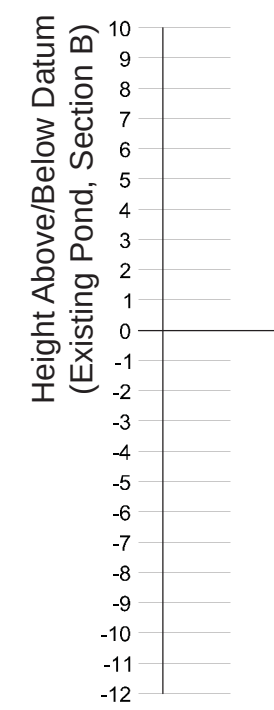
Existing Landscape
The agricultural land to the south is grazed with cows and has a pivot irrigator. There are views toward the existing pond and more distant views toward the mountains and Burnt Hill. The dairy farm is separated from the proposed pond site with a water race and an existing shelterbelt of mature Kanuka trees that provide a visual and physical linkage to the protected Ecological area to the SE.

Proposed Landscape
The dairy farm site will retain its production capabilities with a grazed grassland landscape. The Kanuka hedge will be retained. Views westward will be interspersed with some native plantings located along the water race. The lower slopes of the proposed embankment will be revegetated with meadow grasses. The new pond will be effectively screened by the existing Kanuka trees.



Section C - Illustration



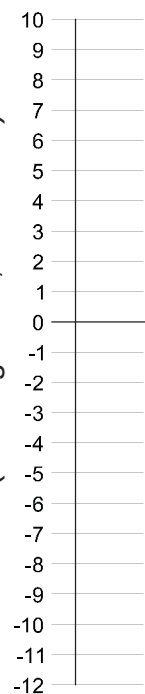


Existing Landscape
The section transects an existing protected Scientific Reserve of Regional significance. The farm access road separates the reserve from a shelterbelt of mature Kanuka trees that run alongside the water race heading in an easterly direction. There are a few isolated and sparsely vegetated homes located to the east. The reserve is surrounded by dairy land with Pivot irrigators. Distant views to the east and south contain no significant landscape features nearby.

Proposed Landscape
The protection of the existing Scientific Reserve has been upgraded and provides a valuable ecological reference for the new planting regime associated with the ponds. The existing Kanuka shelterbelt will remain with no alteration to the water race. The lower slopes of the proposed embankment will be revegetated with meadow grasses, cabbage trees and other native species would be planted in drifts where space permits. The new pond will be effectively screened by this existing shelterbelt and proposed vegetation.



Height Above/Below Datum
(Existing Pond, Section B)



Lower Pond

Embankment

Proposed Pump

Proposed Vegetation

Existing Water Race

Dixon Road

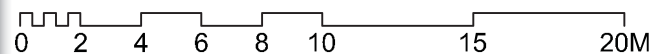
Existing Pine Trees

Existing Ground Level

Section F

Dixon Road/Water Race Proposed Embankment Interface

1:250 @A2



Existing View

Existing Landscape

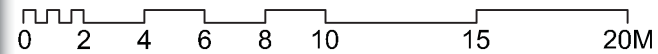
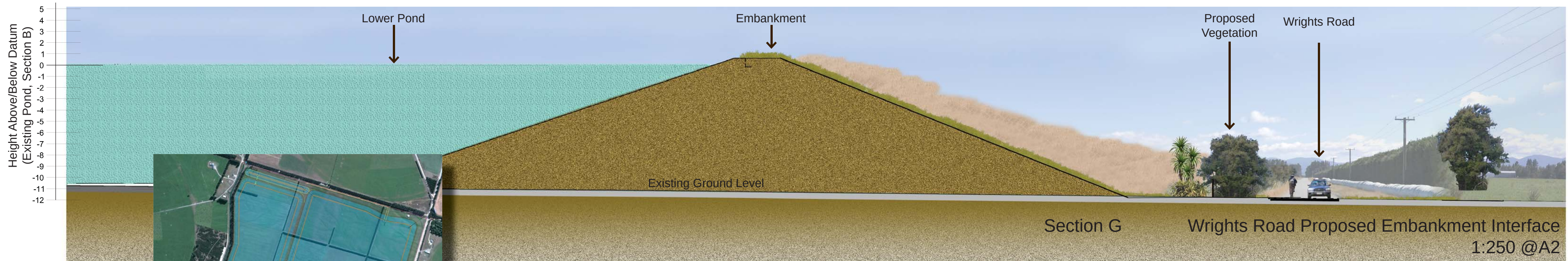
Wrights Road intersects with Dixon Road at the NE corner of the proposed pond site. This gravel road has the same cross section landscape typology as Section D. It is flanked by the main water race heading east. A large Pine shelterbelt is located on the northern side of the gravel road. The agricultural land to the south and east is grazed with cows. The farmland to the north and west is also grazed with distant view toward the mountains.

Proposed Landscape

The current character of the Dixon Road landscape will remain to the north and west. The proposed embankment (slightly higher than Section D) will rise to the south on the far side of the water race. The lower slopes of the proposed embankment will be revegetated with meadow grasses, Kanuka and other native species will be planted in drifts if possible along the southern side of the water race and along the roadside berm. The planting will help mitigate visual effects of the embankment.



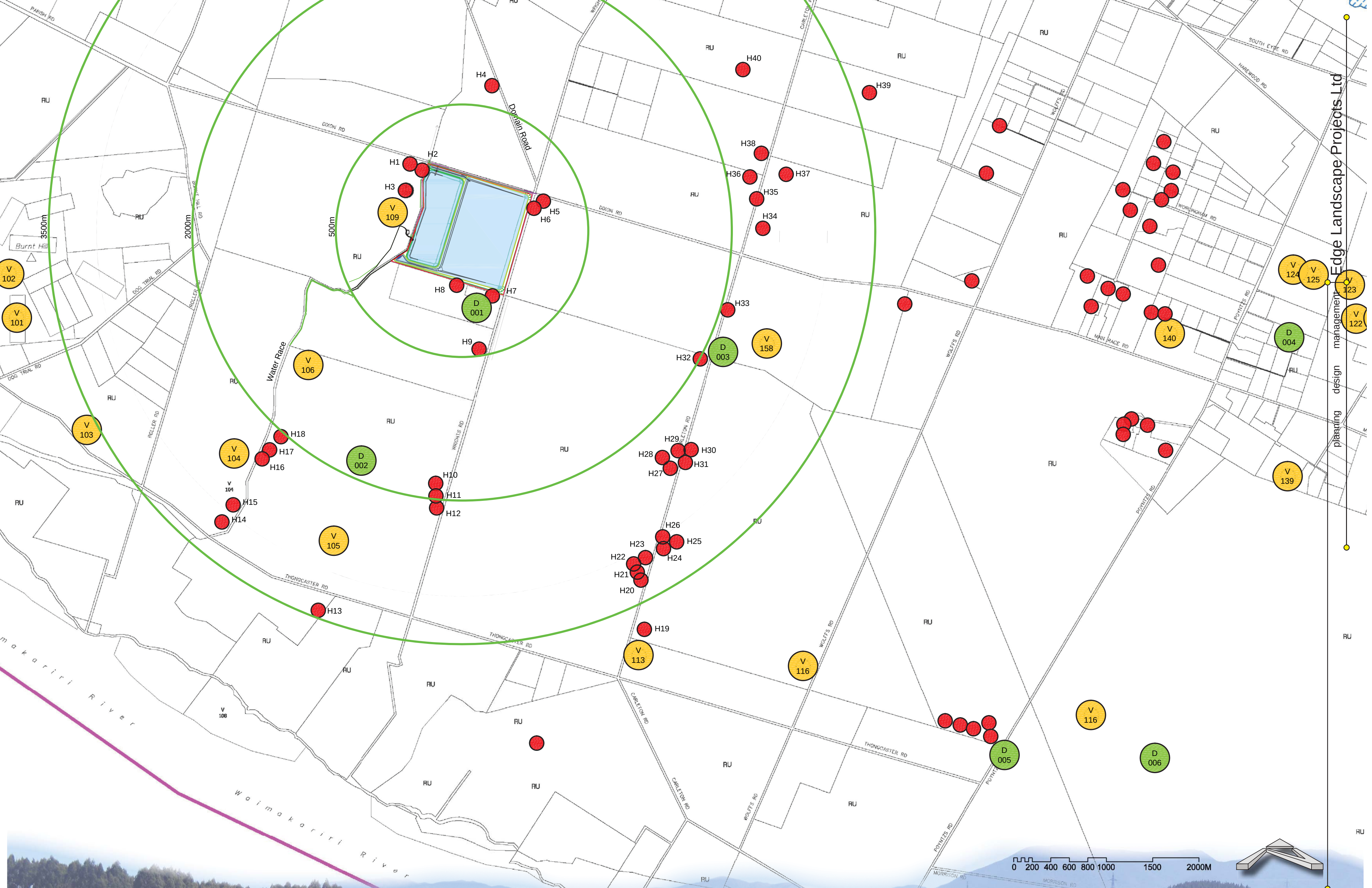
Section F - Illustration

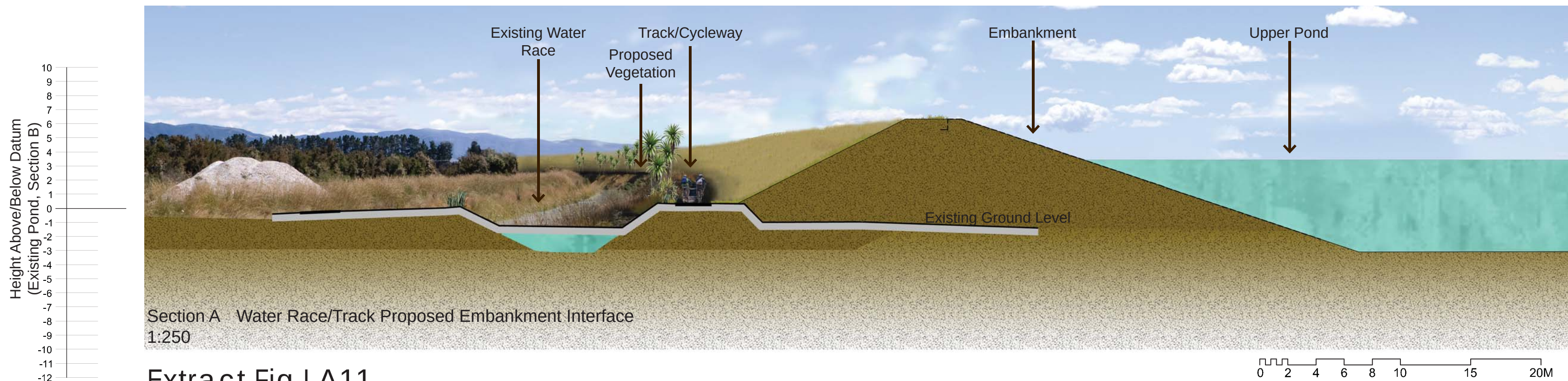


Existing Landscape
 The Wrights Road landscapes consists of dairy grazed land with pine shelterbelts flanking paddocks to the west. On the eastern side of the road a large pine shelterbelt obscures views of an expansive flat landscape with paddocks and pivot irrigators. To the SE the previous pine plantation is now substantially cleared ready for the creation of paddocks and dairy farming. There are distant views toward the mountains. The shelterbelts effectively enclose the proposed pond site and shorten views across the landscape.

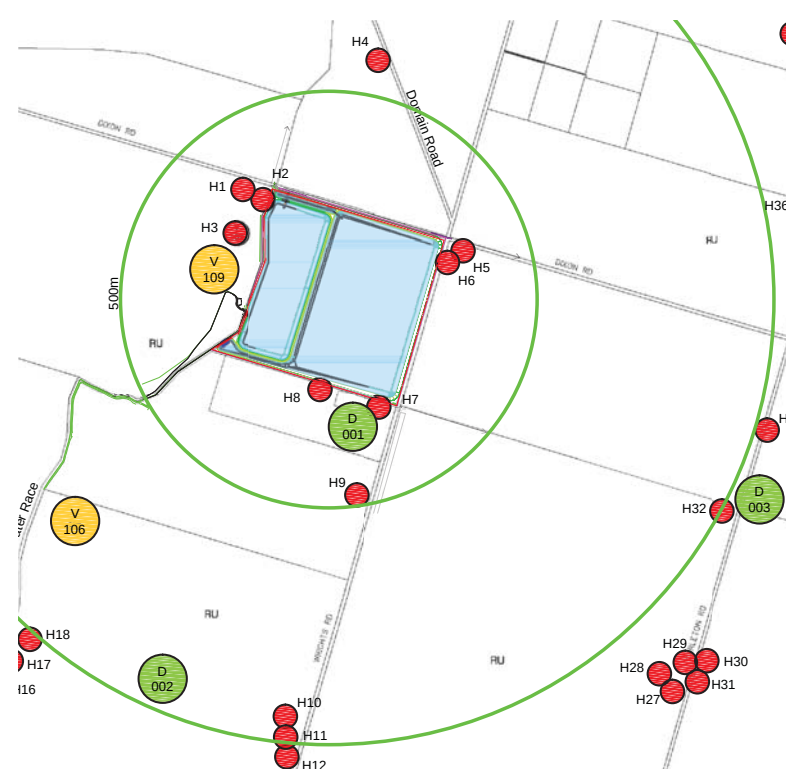
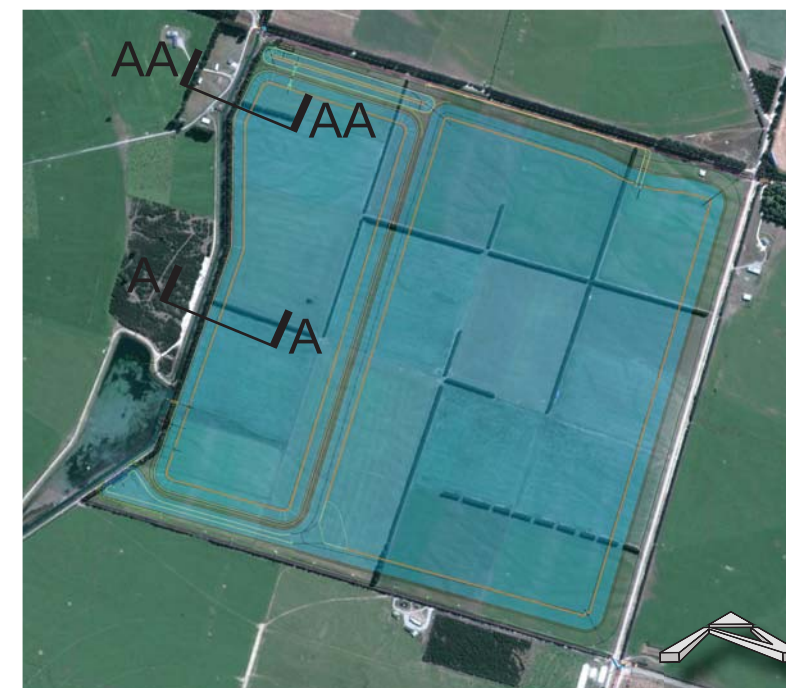
Proposed Landscape
 The Wrights Road boundary has the lowest elevation and so the embankment profile is higher along this edge. Distant views will be obscured. The existing landscape character to the north and east will remain unaltered. The embankment will appear to be a grassland meadow style landscape with drifts of Kanuka and other native plant species planted close to the boundary and along the back of the roadside berm.



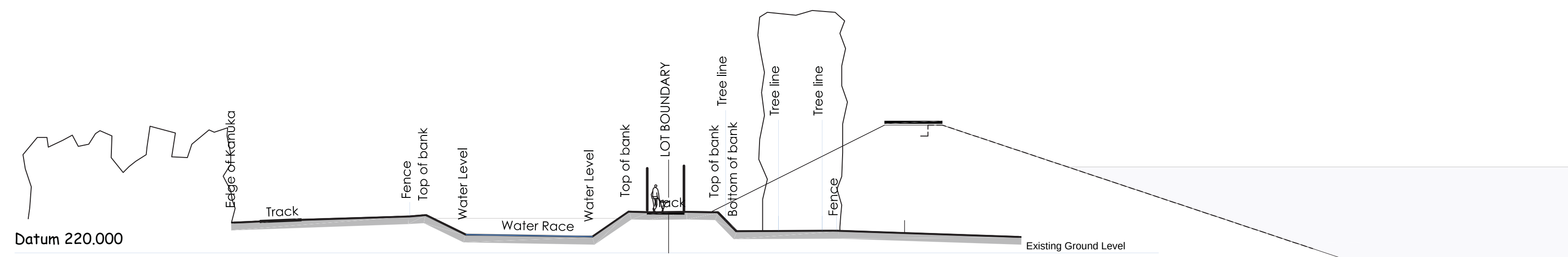




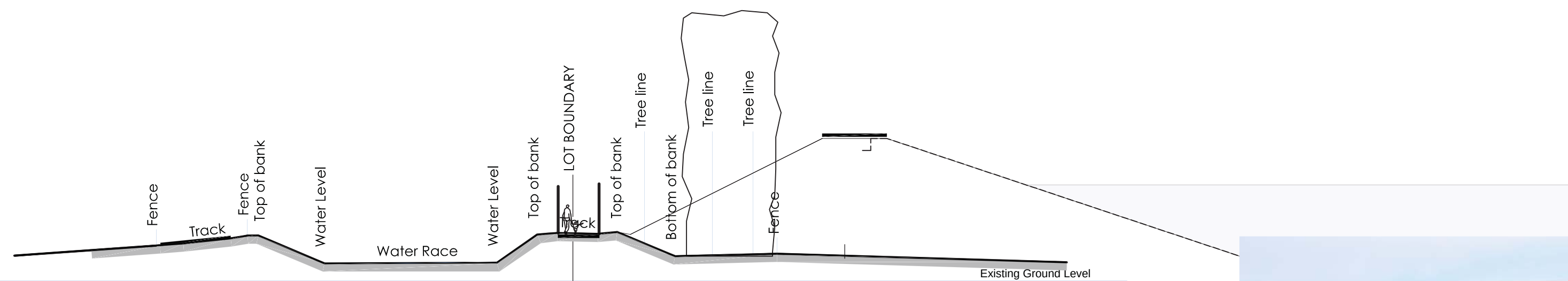
Extract Fig LA11



Extract Fig LA22

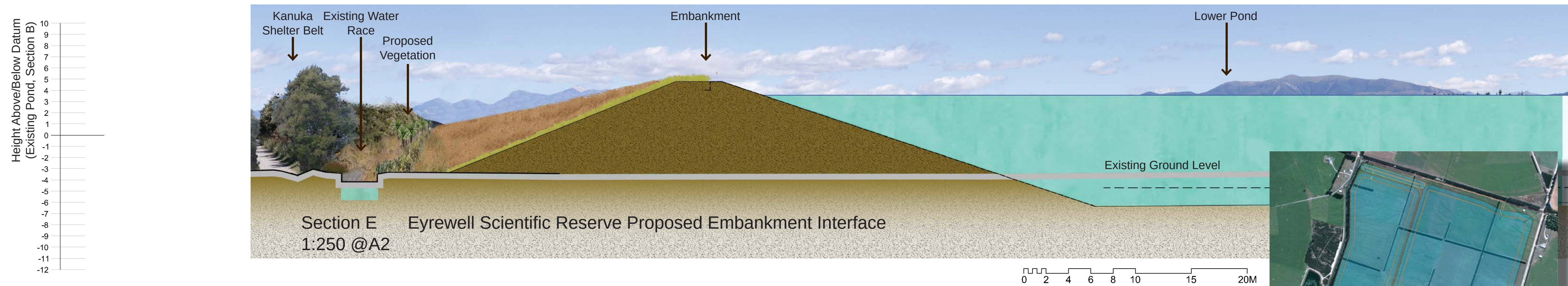


Section AA
Combined Survey/Engineer Section

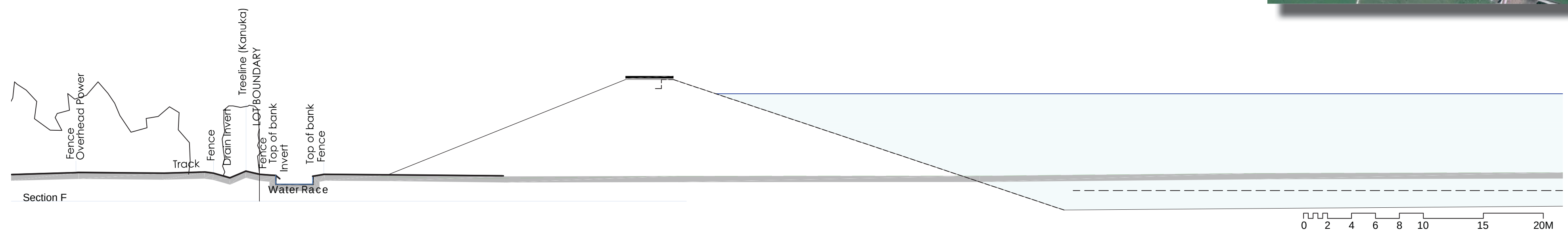


Section A
Combined Survey/Engineer Section

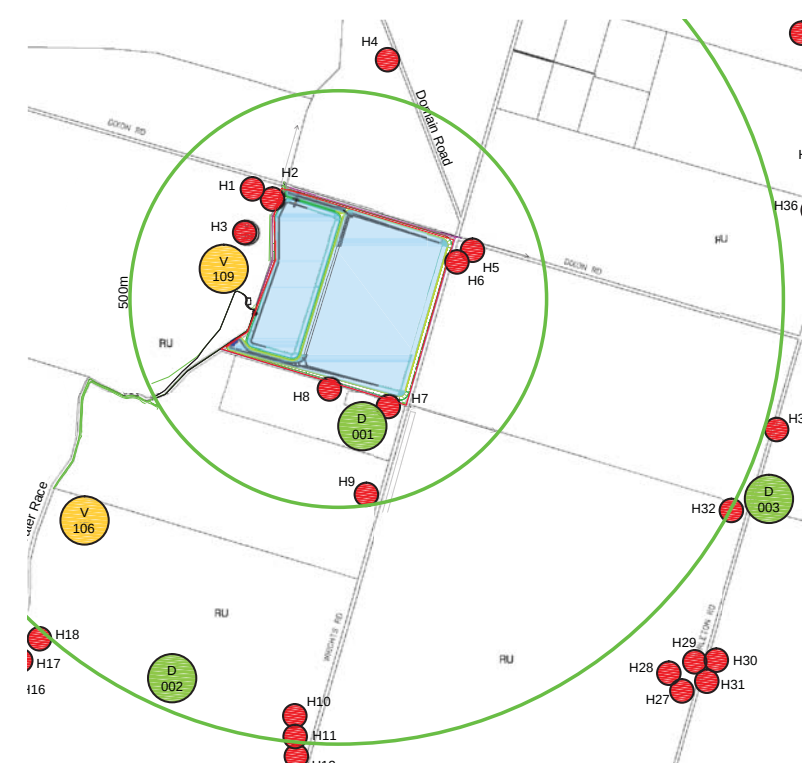




Extract Fig LA15



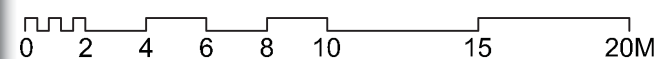
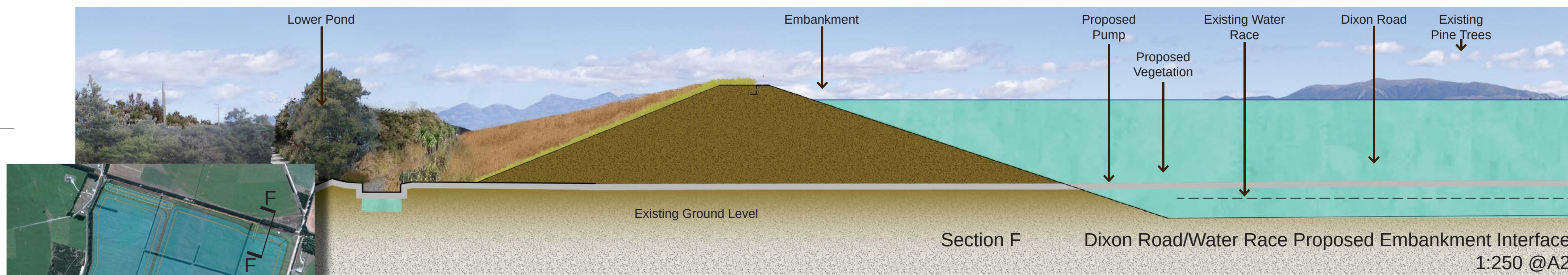
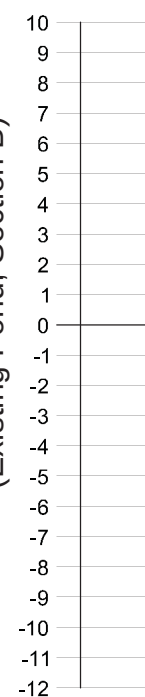
Section E
Combined Survey/Engineer Section



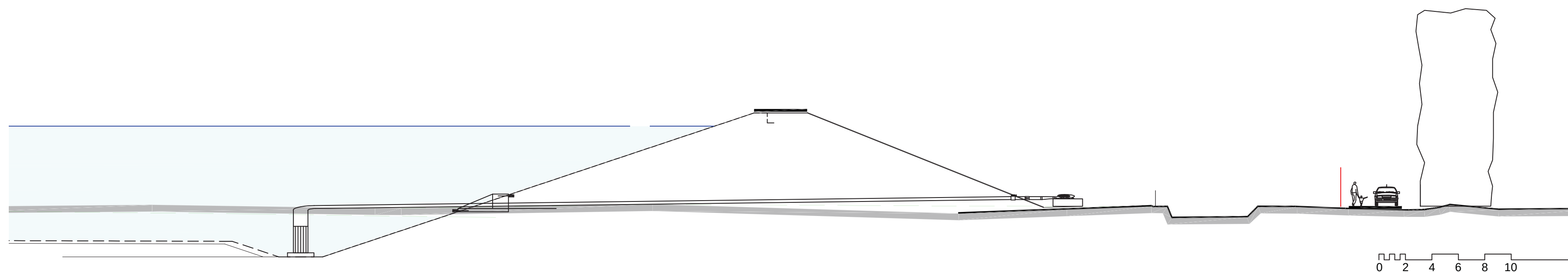
Extract Fig LA22



Height Above/Below Datum
(Existing Pond, Section B)



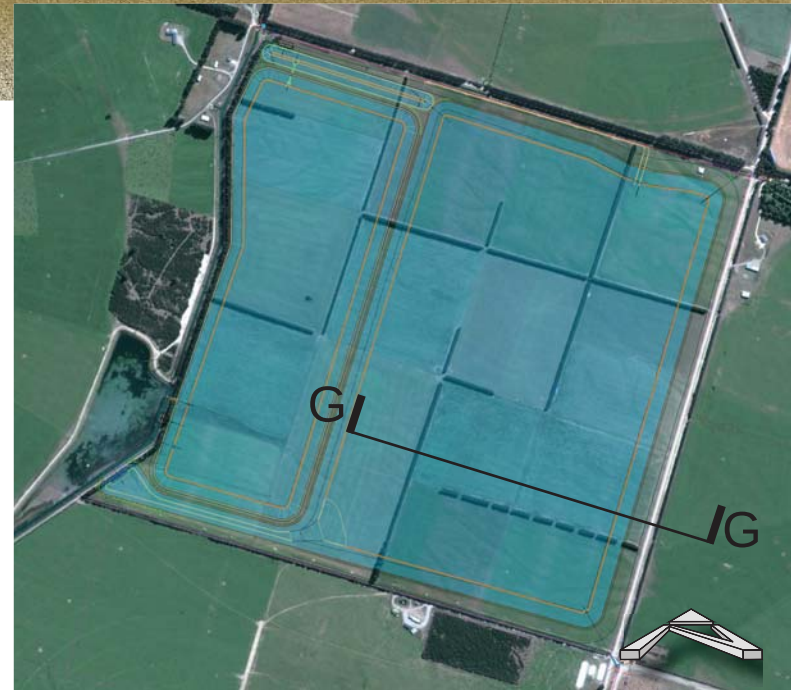
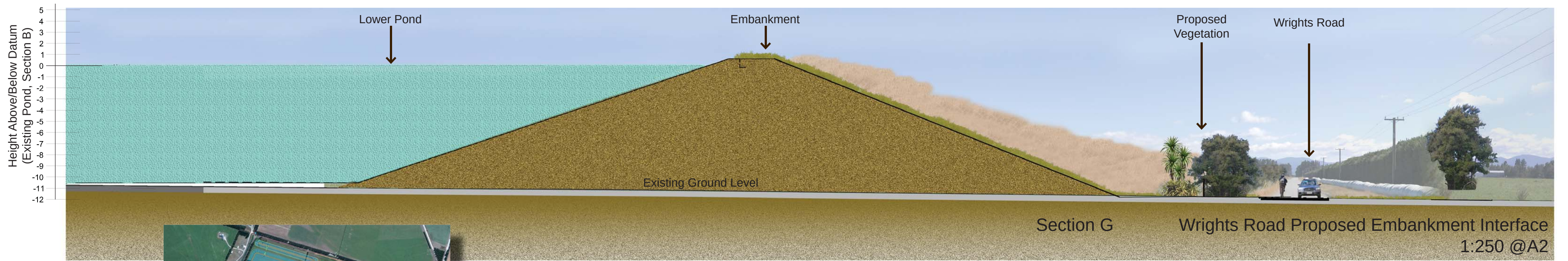
Extract Fig LA16



Section F
Combined Survey/Engineer Section



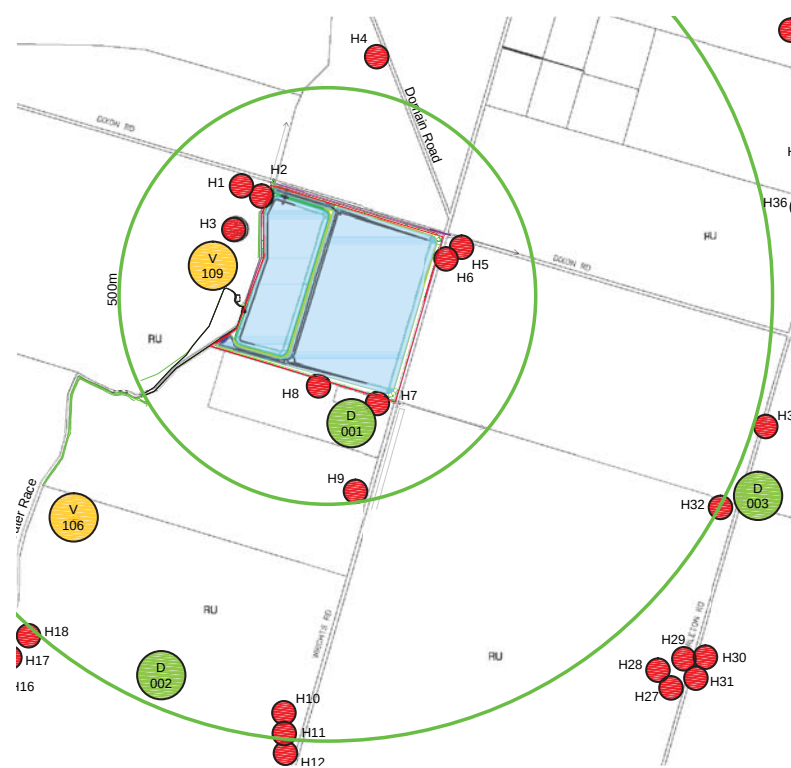
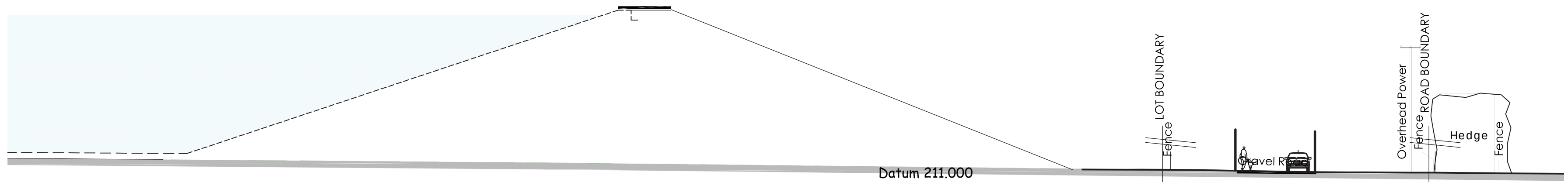
Extract Fig LA22



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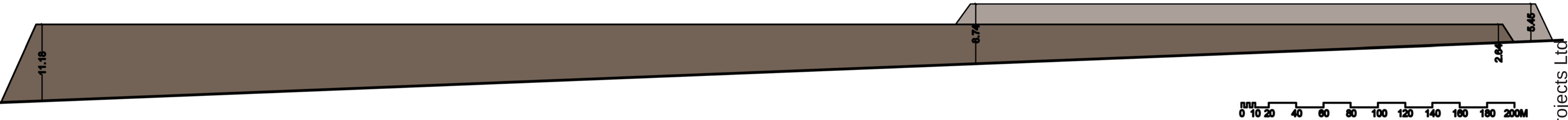
Extract Fig LA26

Section G Combined Survey/Engineer Section

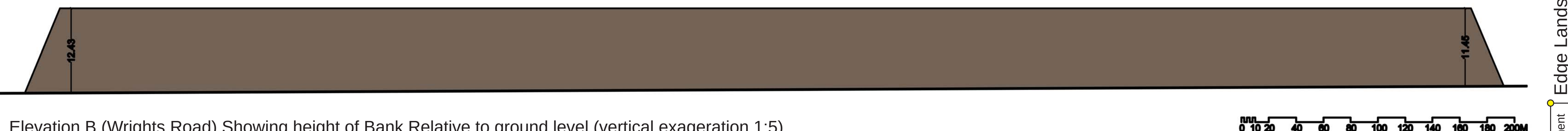


Extract Fig LA22





Elevation A (Dixon Road) Showing height of Bank Relative to ground level (vertical exaggeration 1:5)



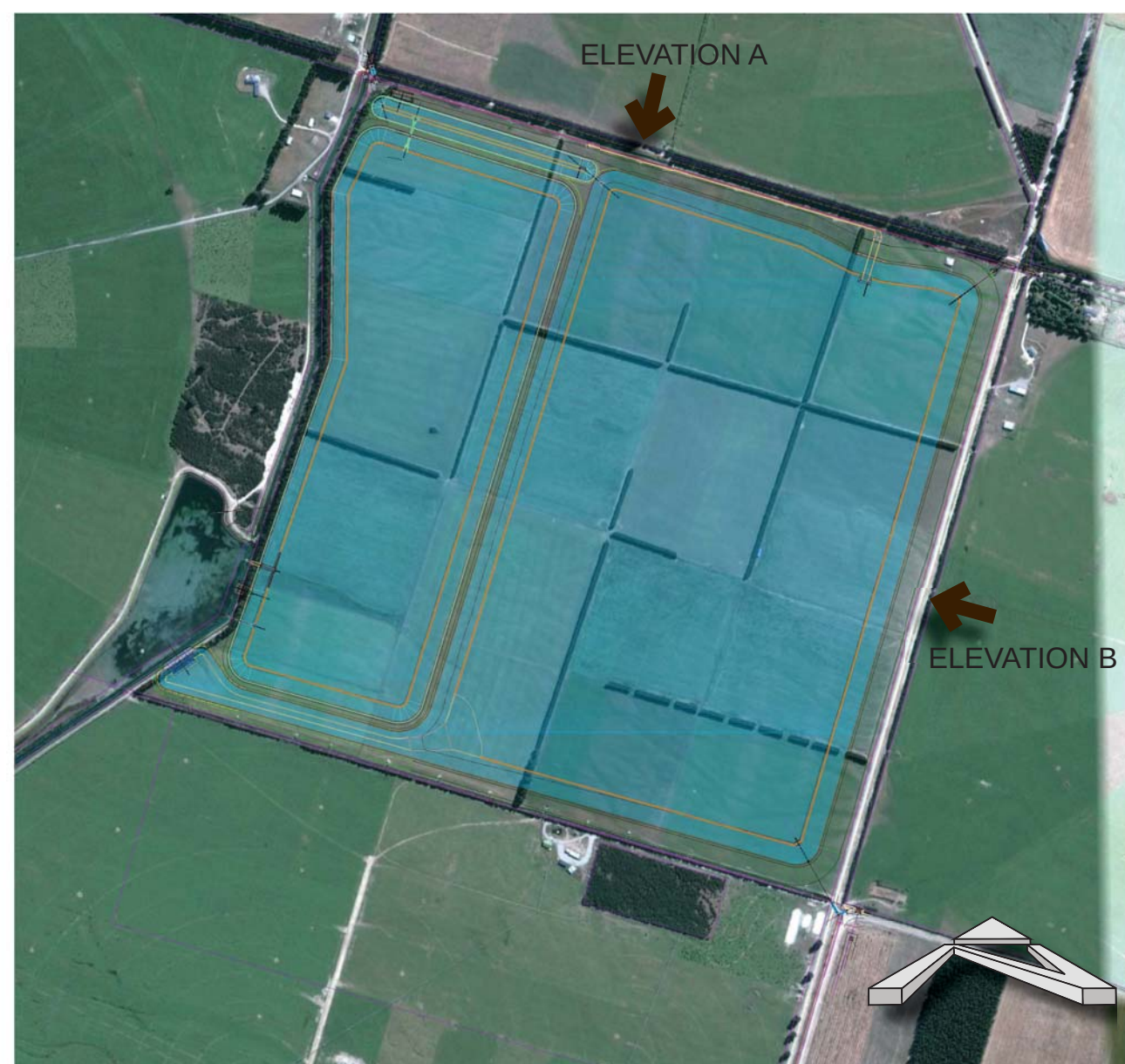
Elevation B (Wrights Road) Showing height of Bank Relative to ground level (vertical exaggeration 1:5)



Elevation B (Wrights Road) Showing height of Bank Relative to ground level (No vertical exaggeration)



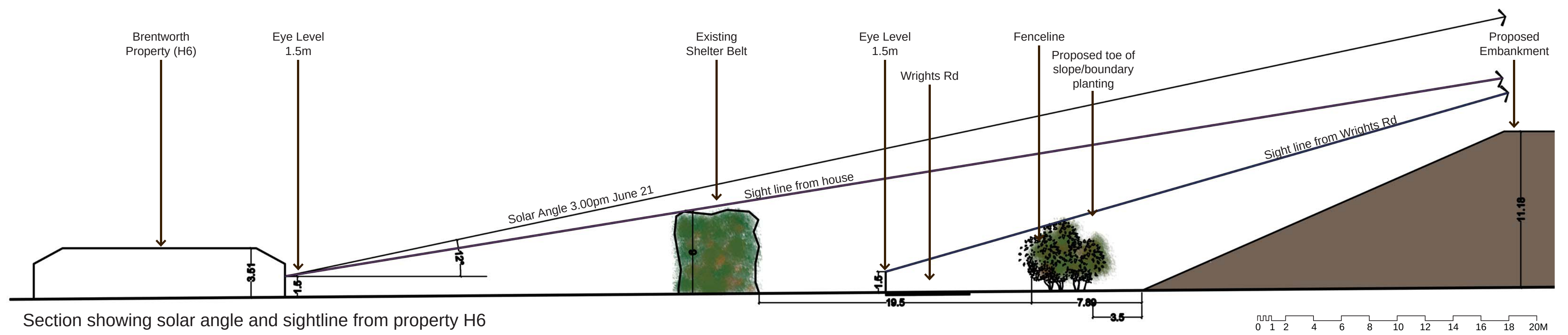
Elevation A (Dixon Road) Showing height of Bank Relative to ground level (No vertical exaggeration)



Looking along Dixon Road towards east



Wrights road looking south



View from Property Location H5