

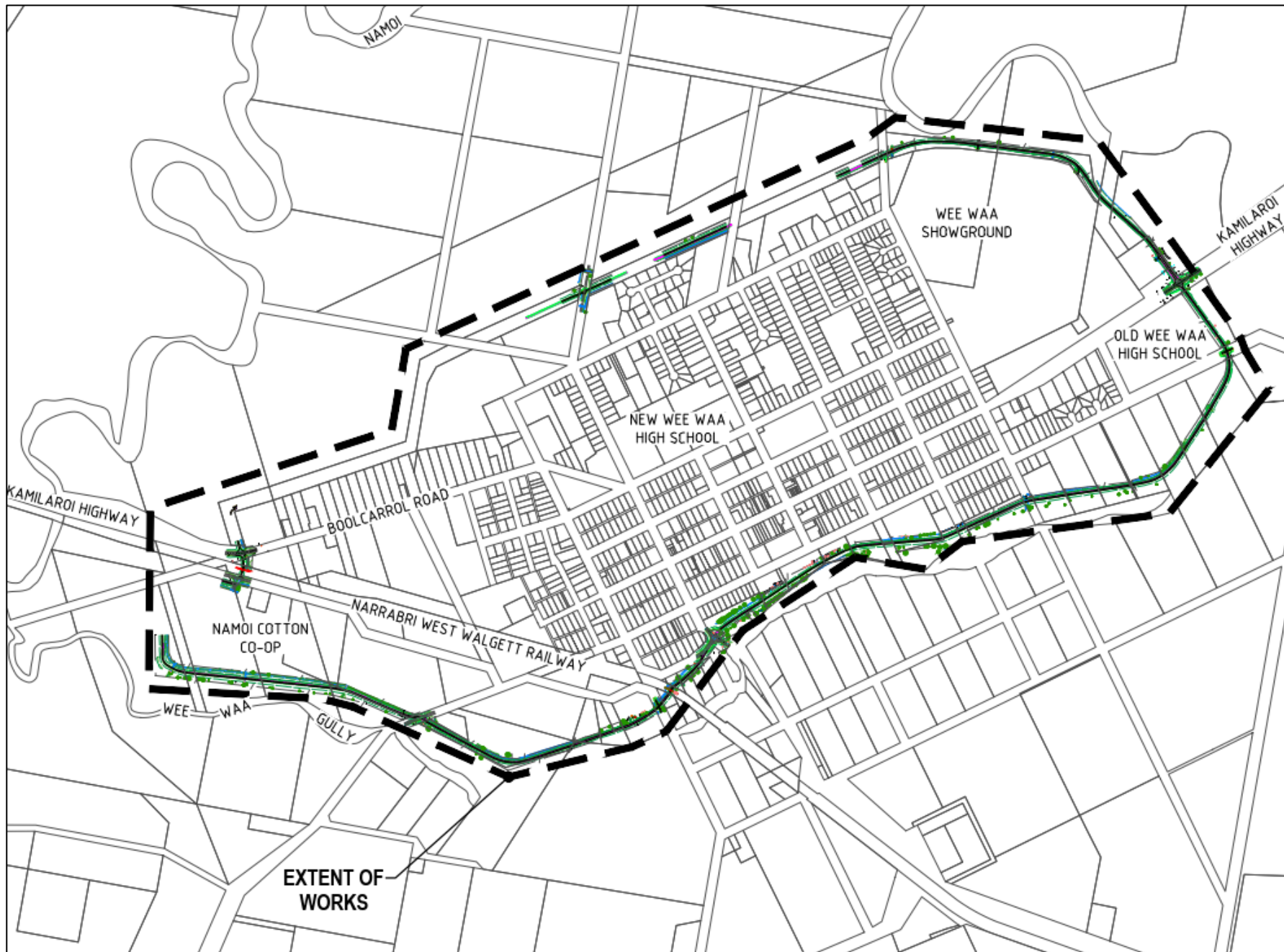


**Wee Waa Levee Upgrade
Detailed Design Summary**

Narrabri Shire Council

13/08/2024

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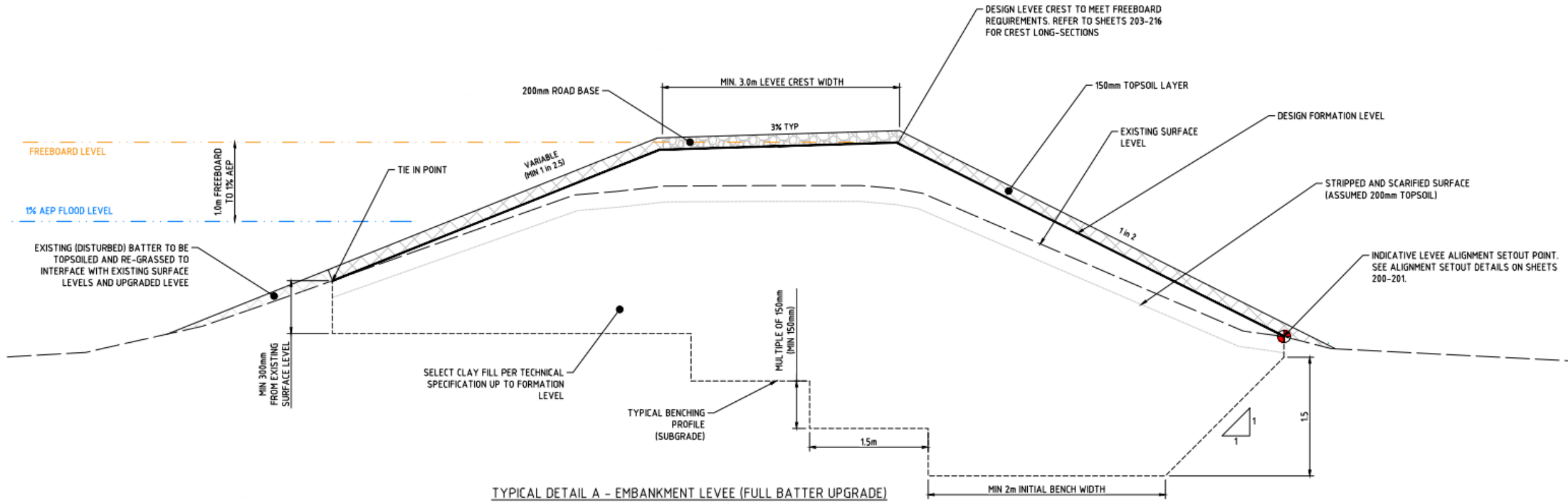


Extent of works

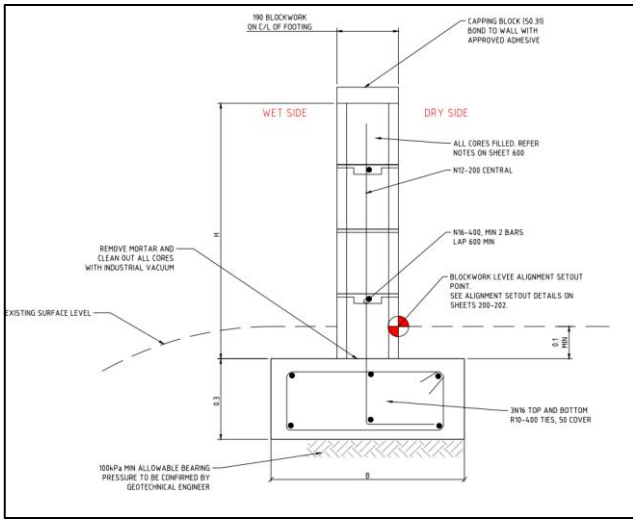
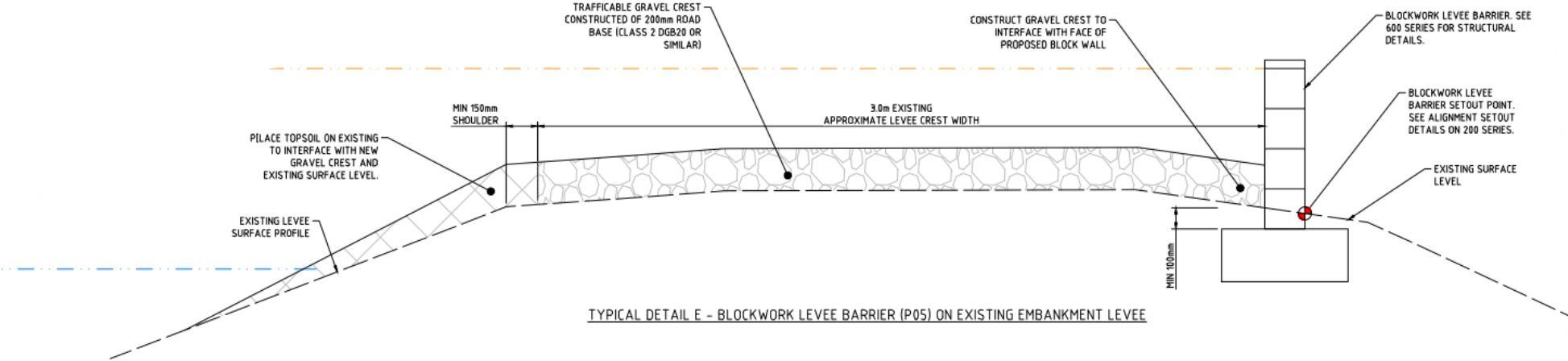
Key Levee Upgrade Components

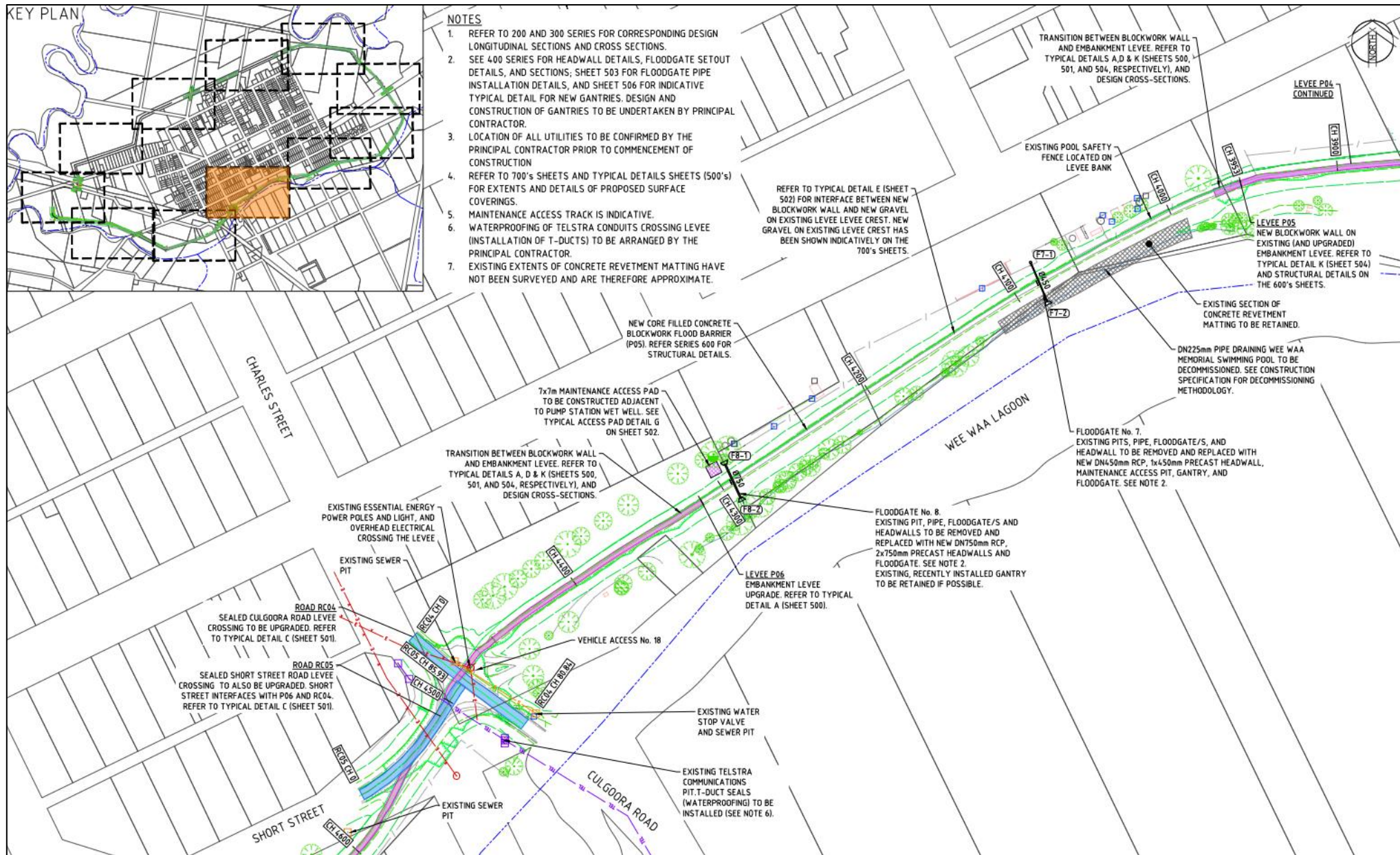
- 1% AEP + 1m freeboard
- Upgrade of 6.2km of the 8.6km existing ring levee
- Upgrade with embankment levee, and a small 400m section of blockwork wall
- 3m levee crest width
 - Levee crest to have an all-weather trafficable gravel crest
 - Wider crest was considered but was prohibitive due to additional land take, and earthworks volumes
- Upgrades to the road crossings and access tracks to the levee
- Upgrades to the 13 x existing floodgates through the levee
 - New gantry to enable easy maintenance access
 - Replacement of the existing cracked concrete pipes

Typical Embankment Levee Upgrade Detail



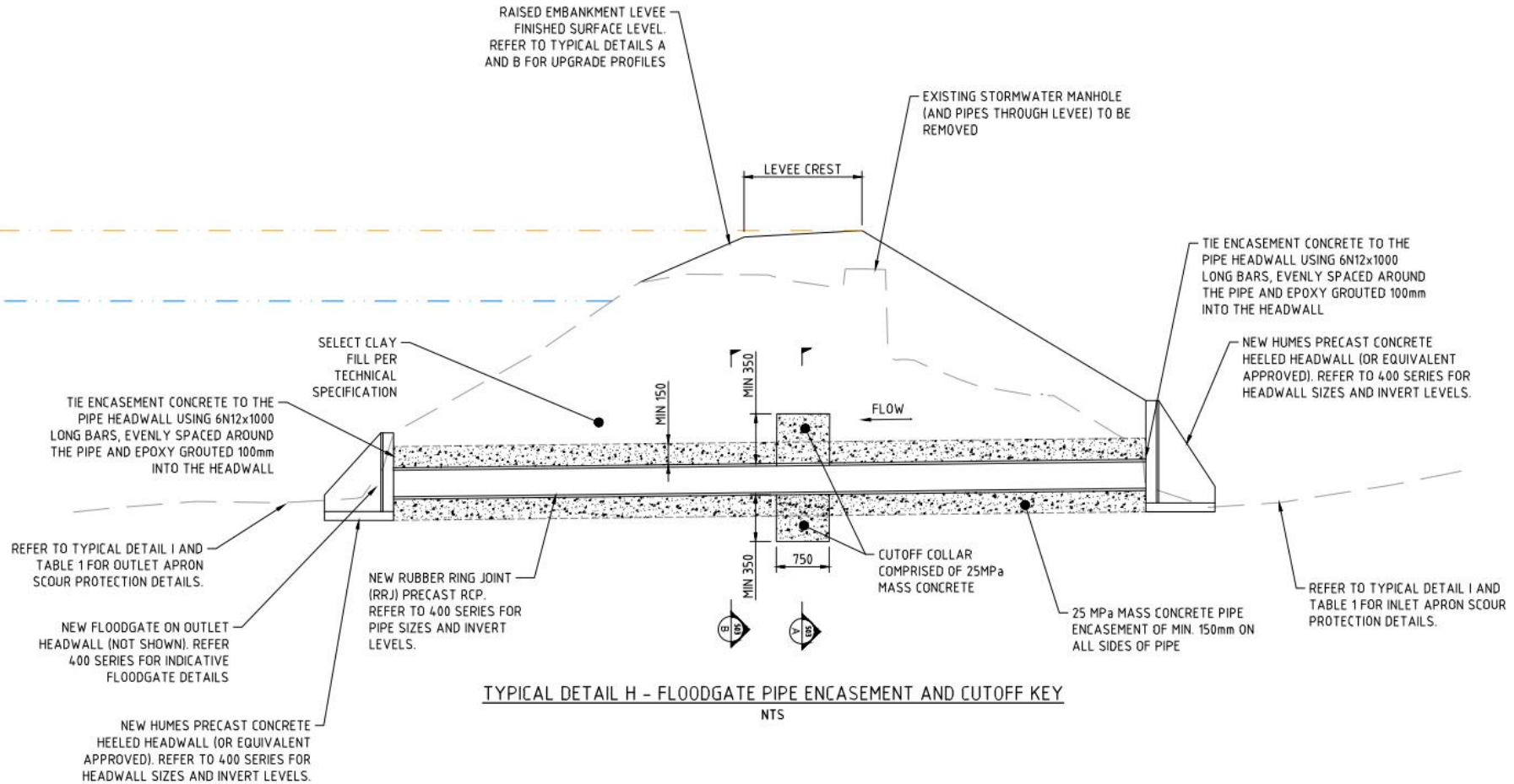
Typical Reinforced Concrete Blockwork Levee Upgrade Detail



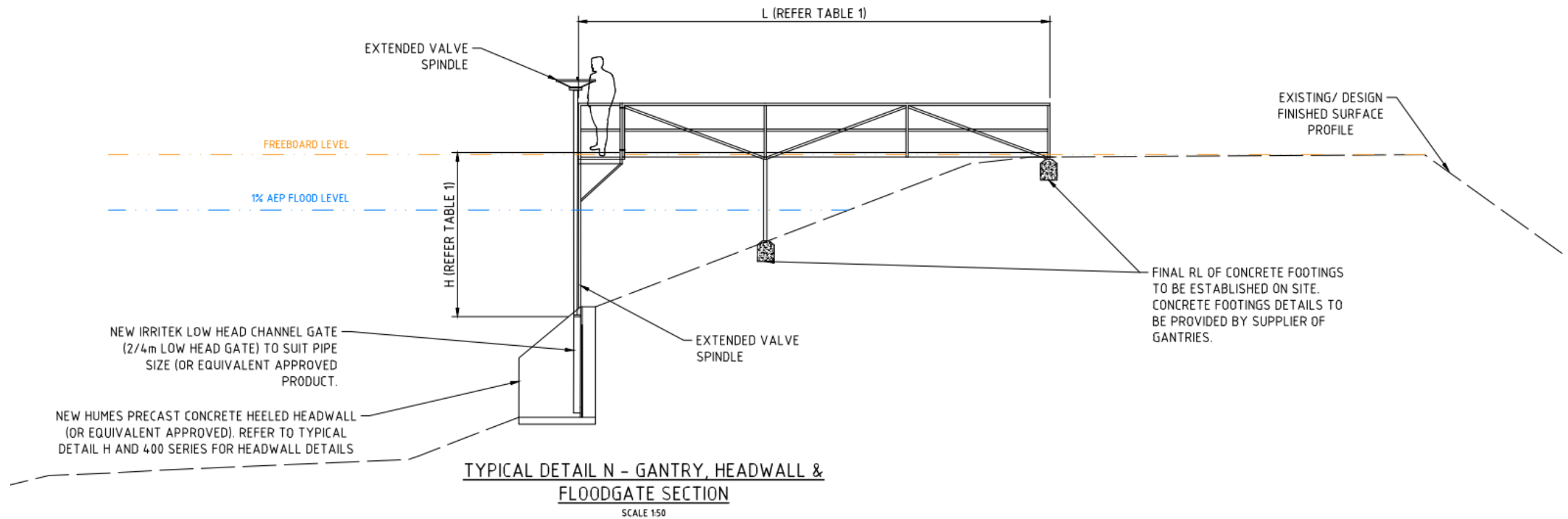


Design at Wee Waa Lagoon & Culgoora Road

Typical Floodgate Pipe Upgrade



Indicative Gantry Detail (at floodgates)





Thank you

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We are passionate about the protection and restoration of waterways, catchments and water resources. We strive to make a positive difference to the world we live in.