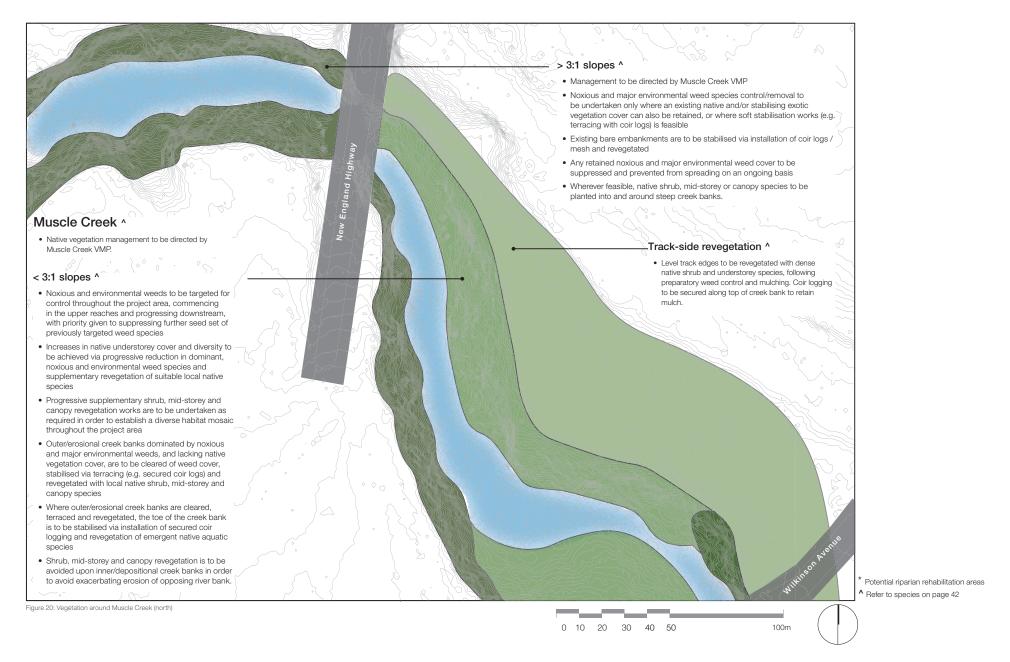
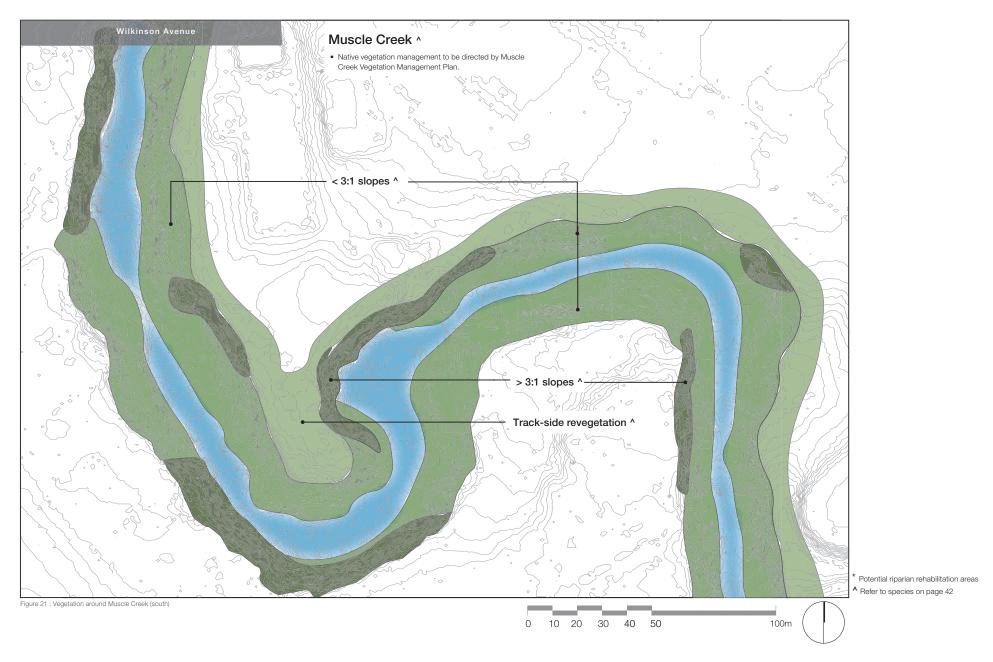
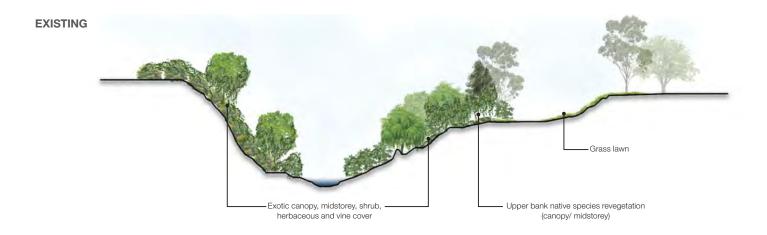
### Precinct 4 - Nature Trail



## Precinct 5 - Olympic Park





### **PROPOSED**

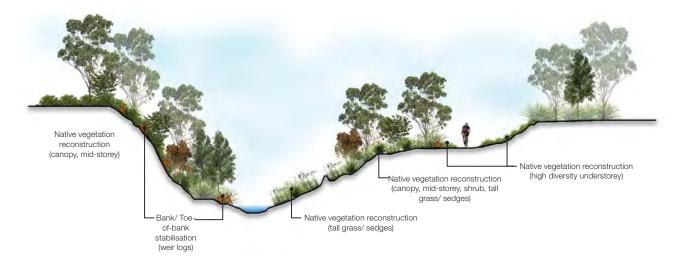


Figure 22: Section of vegetation in Muscle Creek

## Species in Muscle Creek - Precinct 4 and 5

| MAJOR TARGET WEED<br>SPECIES                 | TYPICAL DIVERSITY<br>PLANTING   |
|--|---------------------------------|
| Acacia podalyriifolia                        | Aristida ramosa                 |
| Anredera cordifolia                          | Echinopogon caespitosus         |
| Araujia sericifera                           | Elymus scaber                   |
| Brassica sp.                                 | Eragrostis leptostachya         |
| Bromus catharticus                           | Microlaena stipoides            |
| Bromus sp.                                   | Paspalidium aversum             |
| Cardiospermum grandiflorum                   | Rytidosperma fulvum             |
| Cestrum parqui                               | Sporobolus creber               |
| Cinnamomum camphora                          | Ajuga australis                 |
| Eriobotrya japonica                          | Alternanthera denticulata       |
| Foeniculum vulgare                           | Calotis lappulacea              |
| Fraxinus angustifolia subsp.<br>angustifolia | Carex inversa                   |
| Galium aparine                               | Commelina cyanea                |
| • Ipomoea alba                               | Cynoglossum australe            |
| Ipomoea indica                               | Cyperus fulvus                  |
| Ligustrum lucidum                            | Cyperus gracilis                |
| Lonicera japonica                            | Desmodium varians               |
| Morus alba                                   | Dichondra repens                |
| Phoenix canariensis                          | Einadia hastata                 |
| Ricinus communis                             | Einadia trigonos                |
| Salix babylonica                             | Geranium solanderi              |
| Schinus areira                               | Glycine clandestina             |
| Silybum marianum                             | Glycine tabacina                |
| Tradescantia fluminensis                     | Goodenia gracilis               |
| Vinca major                                  | Lepidium<br>pseudohyssopifolium |
| Unidentified conifers                        | Oxalis radicosa                 |
|  | Plantago debilis                |
|  | Pratia concolor                 |
|  | Pratia purpurascens             |
|  | Rumex brownii                   |
|  | Sida corrugata                  |
|  | Solanum americanum              |
|  | Solanum cinereum                |
|  | Urtica incisa                   |
|  |                                 |

| ITEM       | TRACK-SIDE REVEGETATION   | < 3:1 SLOPES  | < 3:1 SLOPES  |
|------------|---|---|---|
| Canopy     | <ul><li>Angophora floribunda</li><li>Eucalyptus crebra</li><li>Eucalyptus moluccana</li></ul>   | <ul> <li>Eucalyptus camaldulensis</li> <li>Casuarina cunninghamiana subsp. cunninghamiana</li> <li>Angophora floribunda</li> <li>Eucalyptus amplifolia</li> </ul> | <ul> <li>Eucalyptus camaldulensis</li> <li>Casuarina cunninghamiana subsp. cunninghamiana</li> <li>Angophora floribunda</li> <li>Eucalyptus amplifolia</li> </ul> |
| Mid storey | <ul> <li>Allocasuarina luehmannii</li> <li>Brachychiton populneus subsp. populneus</li> <li>Acacia implexa</li> <li>Jacksonia scoparia</li> </ul>   | <ul> <li>Allocasuarina luehmannii</li> <li>Brachychiton populneus subsp. populneus</li> <li>Melia azedarach</li> </ul>  | <ul> <li>Allocasuarina luehmannii</li> <li>Brachychiton populneus subsp. populneus</li> <li>Melia azedarach</li> </ul>  |
| Shrubs     | <ul> <li>Bursaria spinosa</li> <li>Exocarpos strictus</li> <li>Notelaea microcarpa</li> <li>Notelaea neglecta</li> </ul>  | <ul> <li>Bursaria spinosa</li> <li>Callistemon salignus</li> <li>Exocarpos strictus</li> <li>Notelaea neglecta</li> </ul>   | <ul> <li>Bursaria spinosa</li> <li>Callistemon salignus</li> <li>Exocarpos strictus</li> <li>Notelaea neglecta</li> </ul>   |
| Grasses    | <ul> <li>Aristida ramosa</li> <li>Austrostipa verticillata</li> <li>Echinopogon caespitosus</li> <li>Elymus scaber</li> <li>Eragrostis leptostachya</li> <li>Microlaena stipoides</li> <li>Paspalidium aversum</li> <li>Rytidosperma fulvum</li> <li>Sporobolus creber</li> </ul>   | Austrostipa verticillata  | Austrostipa verticillata  |
| Herbs      | Aluga australis Alternanthera denticulata Calotis lappulacea Commelina cyanea Cynoglossum australe Desmodium varians Dichondra repens Einadia hastata Einadia trigonos Geranium solanderi Goodenia gracilis Lepidium pseudohyssopifolium Oxalis radicosa Plantago debilis Pratia concolor Pratia purpurascens Rumex brownii Sida corrugata Solanum cinereum |   |   |
| Sedges     | Carex inversa     Cyperus fulvus     Cyperus gracilis   | Juncus usitatus     Lomandra longifolia   | Juncus usitatus     Lomandra longifolia   |
| Twiners    | Glycine clandestina     Glycine tabacina  |   |   |

# **Section 05**

Materials and plant species











### 5.1 Materials

The materials for the Muswellbrook Urban Riparian Landcare Master Plan will reflect the building materials used in the civic centre. The use of sandstone will be a common element throughout the design, with steel, concrete, brick, timber and corten for structural elements adding to this earthy materials palette.

#### **Stairs**

- Stairs to gradients no steeper than 1:6 will be sandstone risers (150mm x 300mm minimum) with decomposed granite infill to path (Image - Bedlam Bay)
- Recommended locations for this type of stairs and path would be at Precinct 2, The Greenroom

- 3m wide shared pathways will be concrete with recycled brick edging (Image - Glebe, Sydney)
- Currently the existing walkway to Muscle Creek is a 1.5m wide concrete footpath. To make this a shared pathway, a simple application of recycled brick edge
- Resting points along the river edge at Precinct 2 have the opportunity to be sandstone crazy paving
- The Urban Beach at Precinct 1 will be sand/10mm river gravel to suit the existing riparian edge landscape character
- Cement stabilised crushed sandstone and decomposed granite informal nature trails

#### Signage and seats

- A consistent design language of seating and information boards at resting points and shared path routes is recommended (Image - Bedlam Bay).

#### Sandstone wall

- A durable sandstone for retaining wall applications is recommended. This image illustrates a retaining wall made from Sydney sandstone.

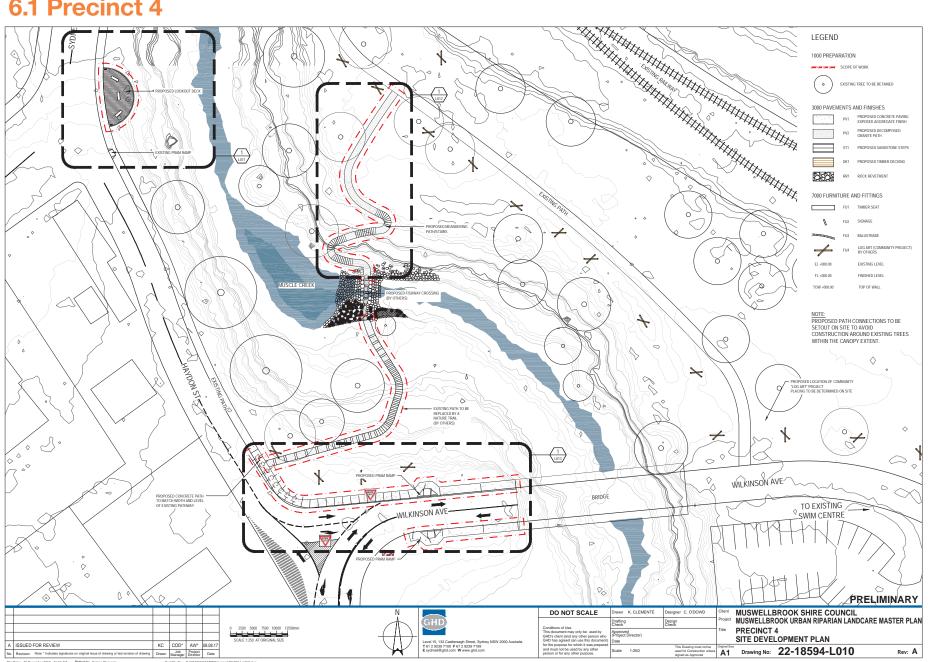
### Bridge

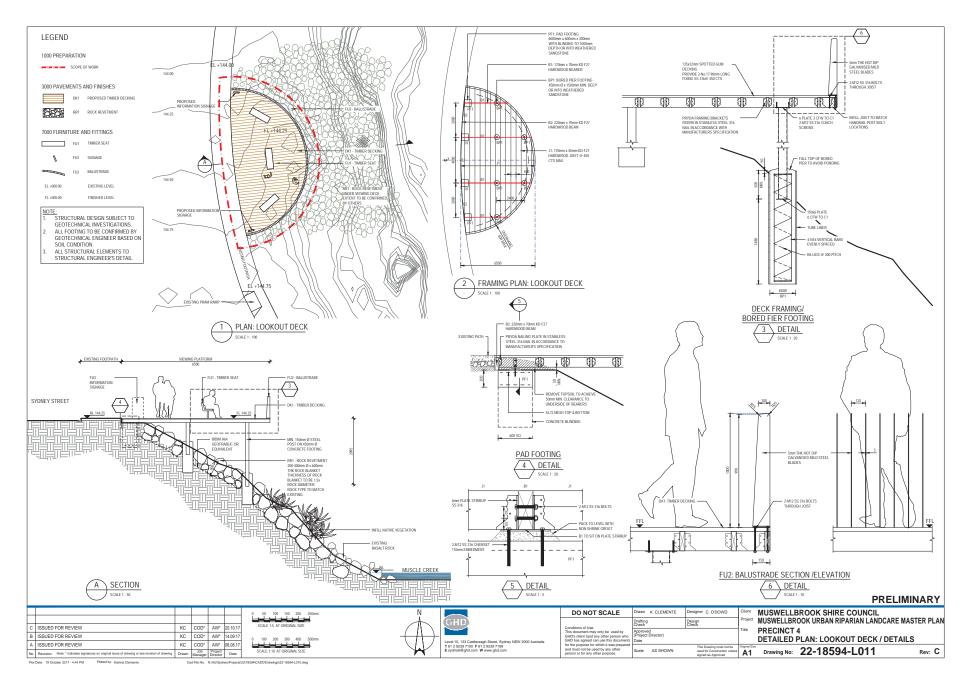
- A steel bridge will connect the proposed facilities at Precinct 1, Karoola Parklands and span over Karoola Pond. The bridge will ideally be located above the 2 year ARI flood event water level of 147 metres (Image -Johnstone Canal)
- A timber bridge and deck will connect the amenities area to the wetlands in Precinct 1
- Lookout areas will be designed as steel with a timber detail to soften visual amenity.

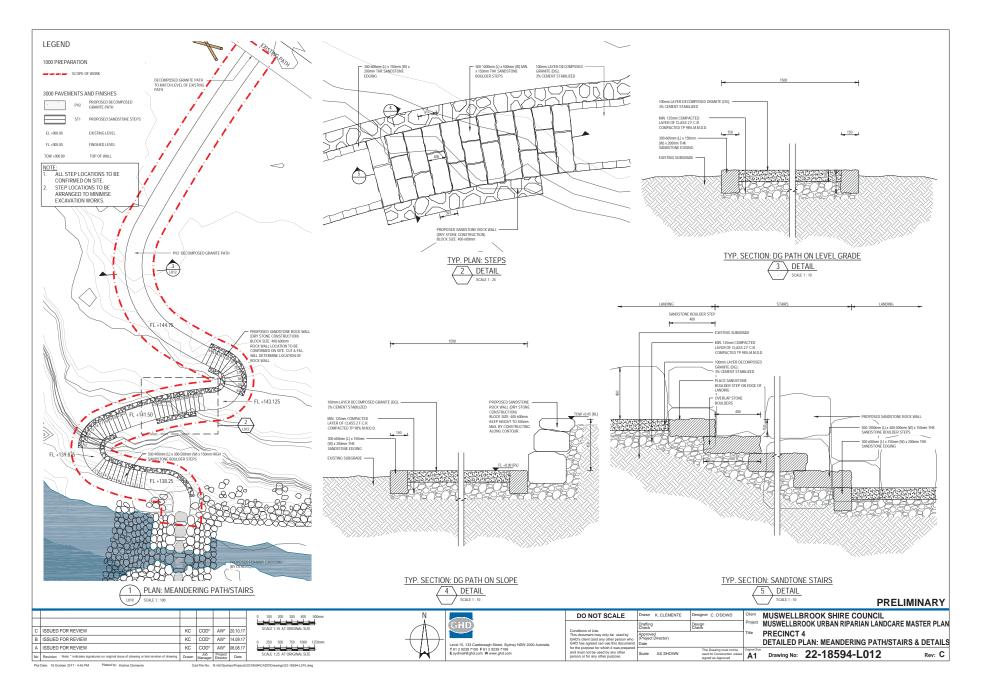
**Section 06** 

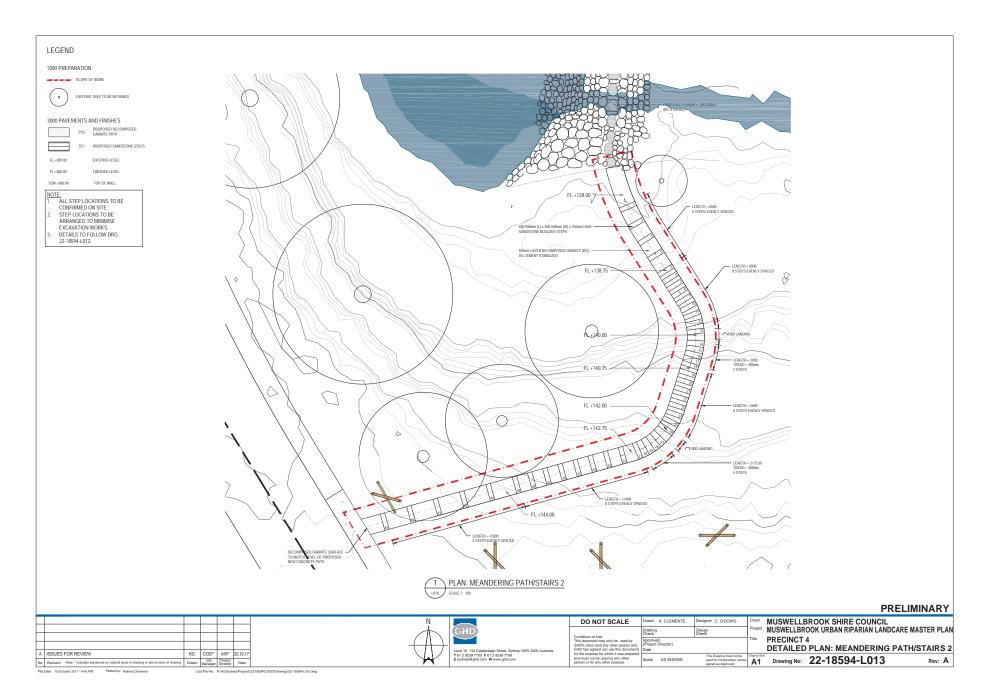
**Detail drawings** 

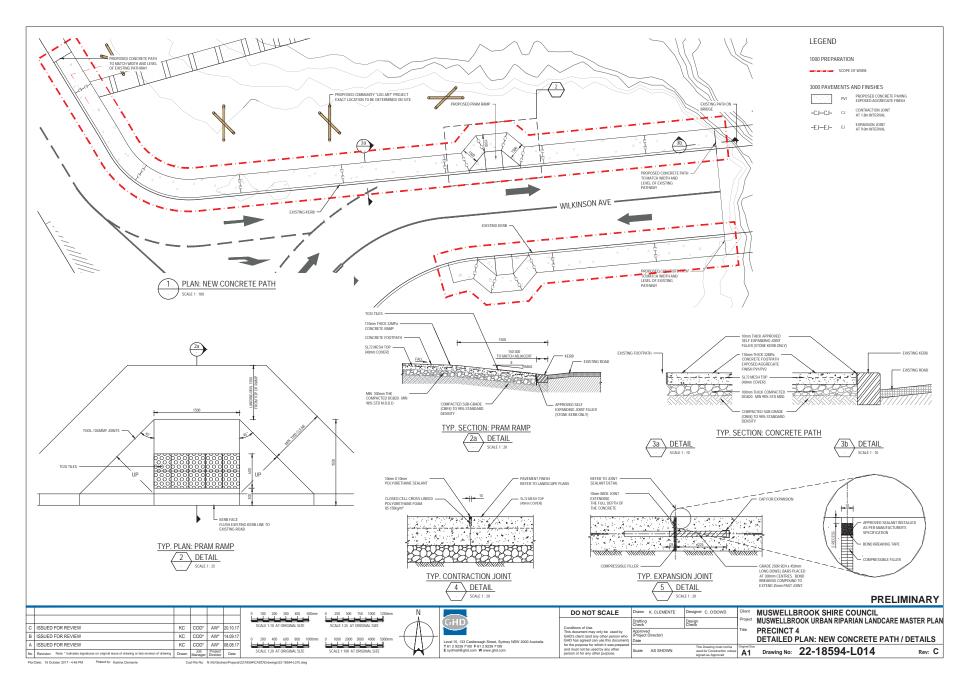
## 6.1 Precinct 4



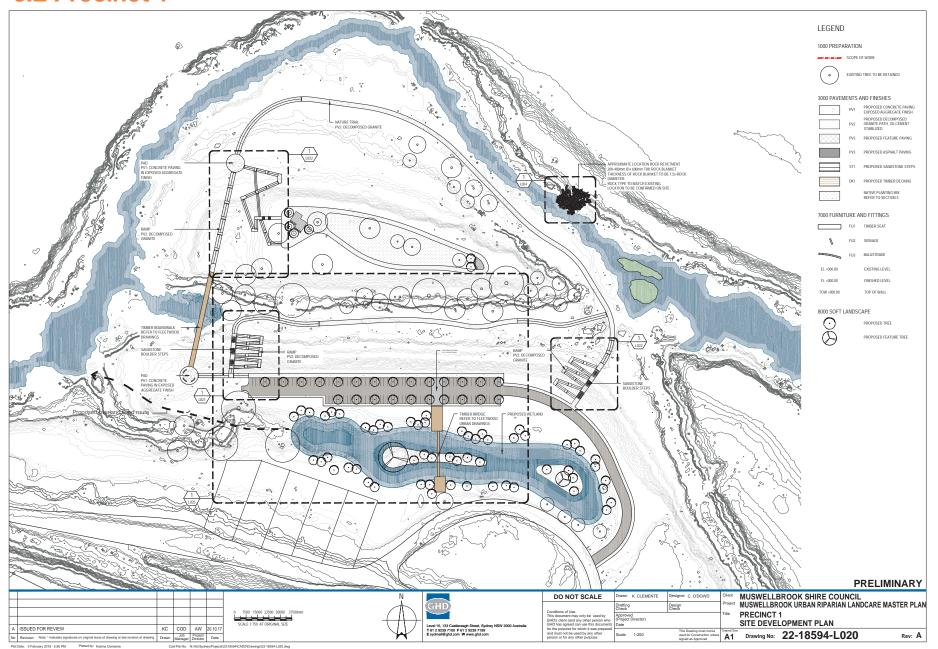


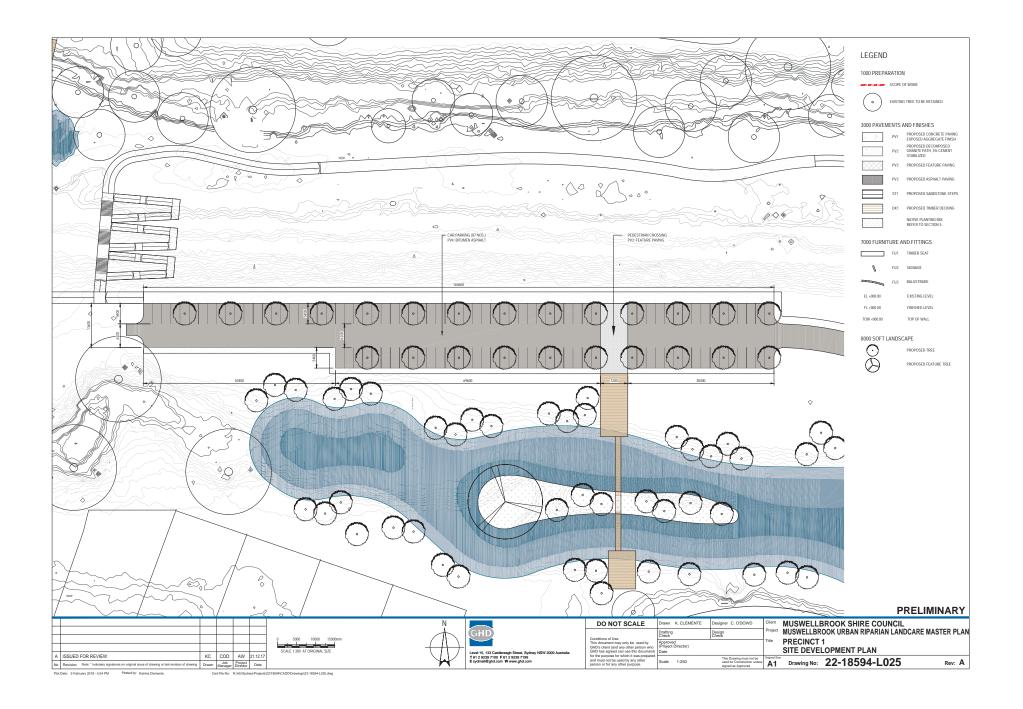


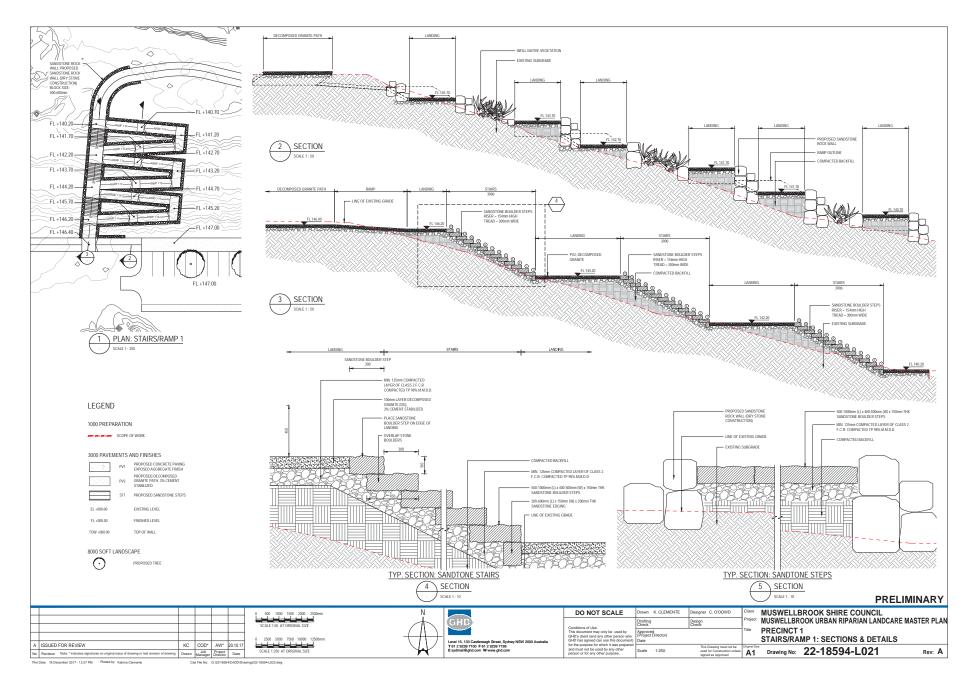


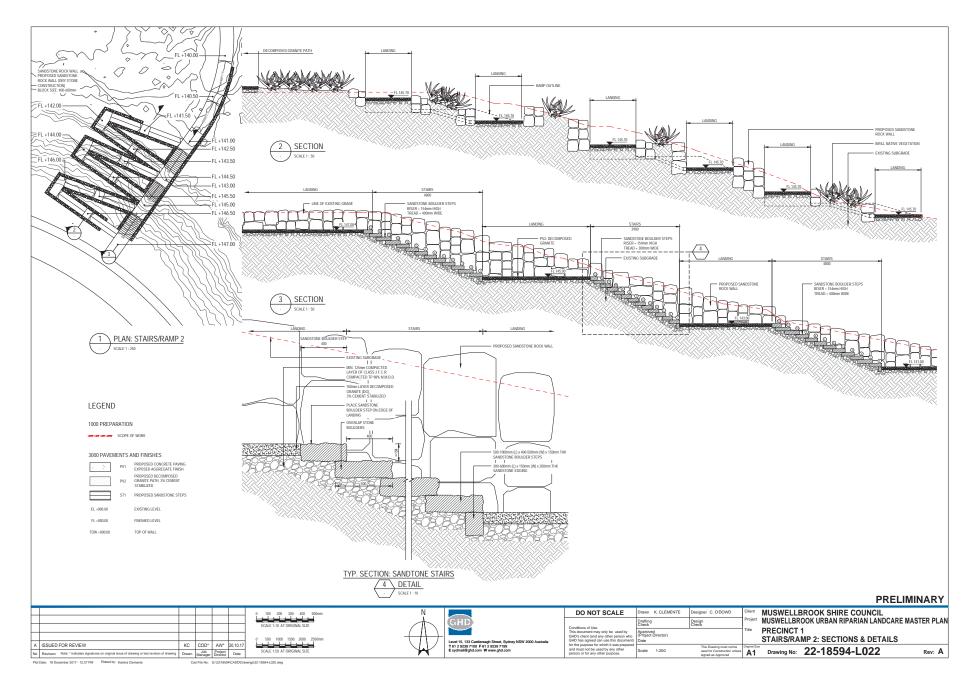


## 6.2 Precinct 1

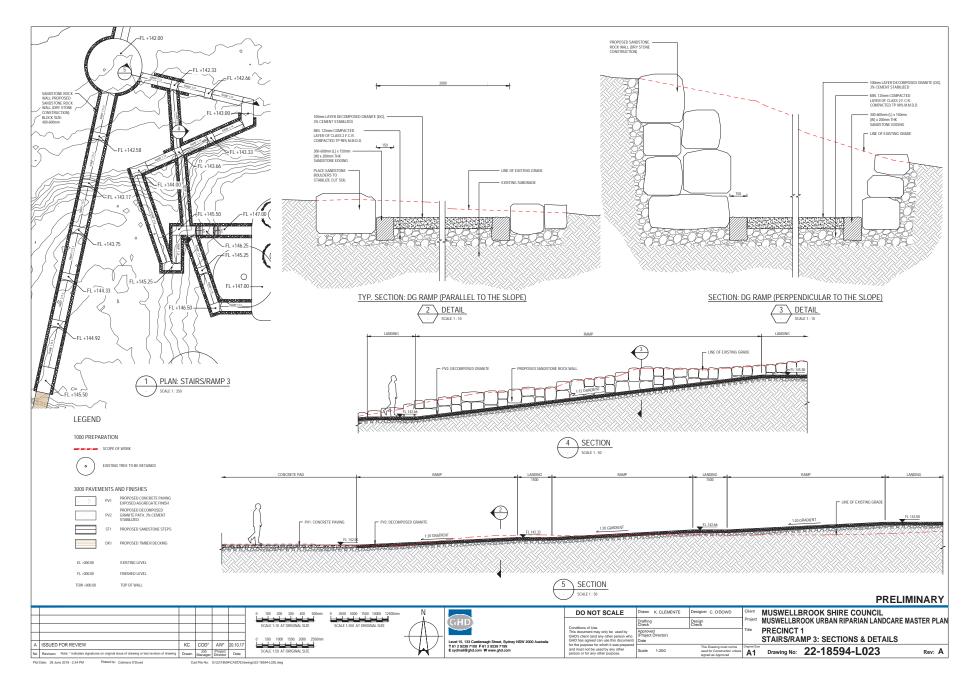


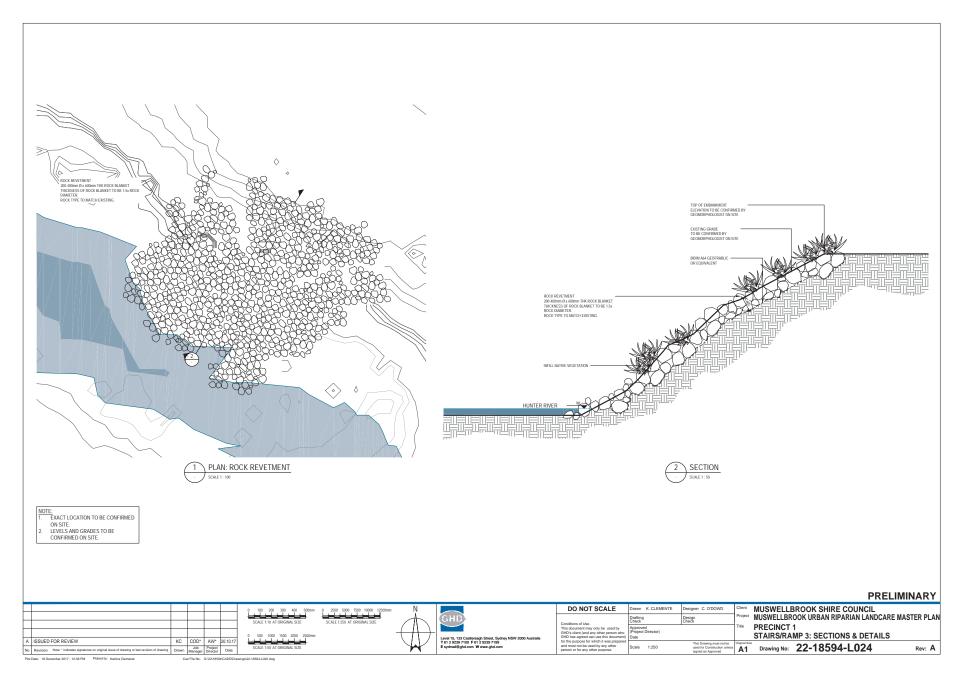






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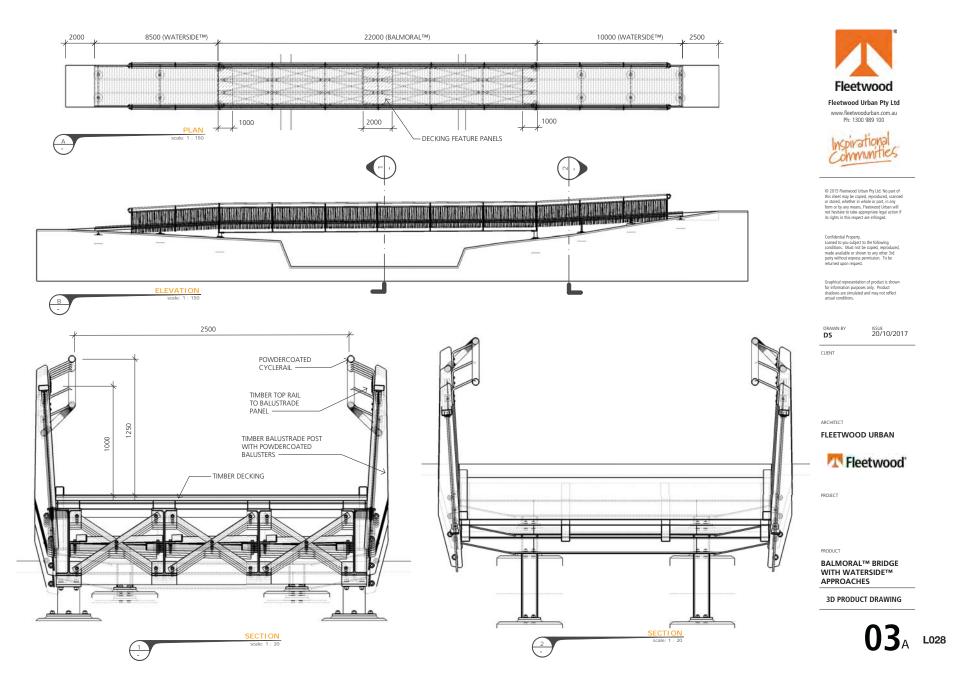
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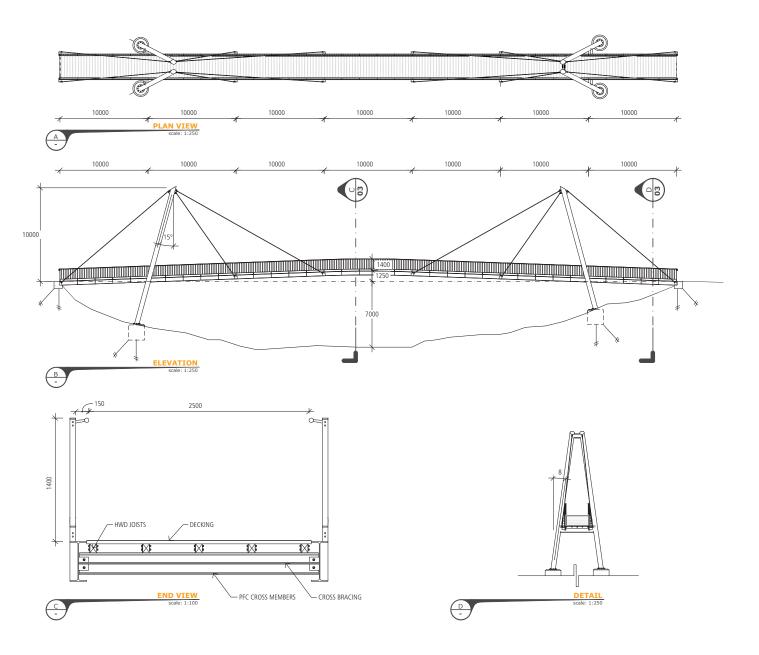
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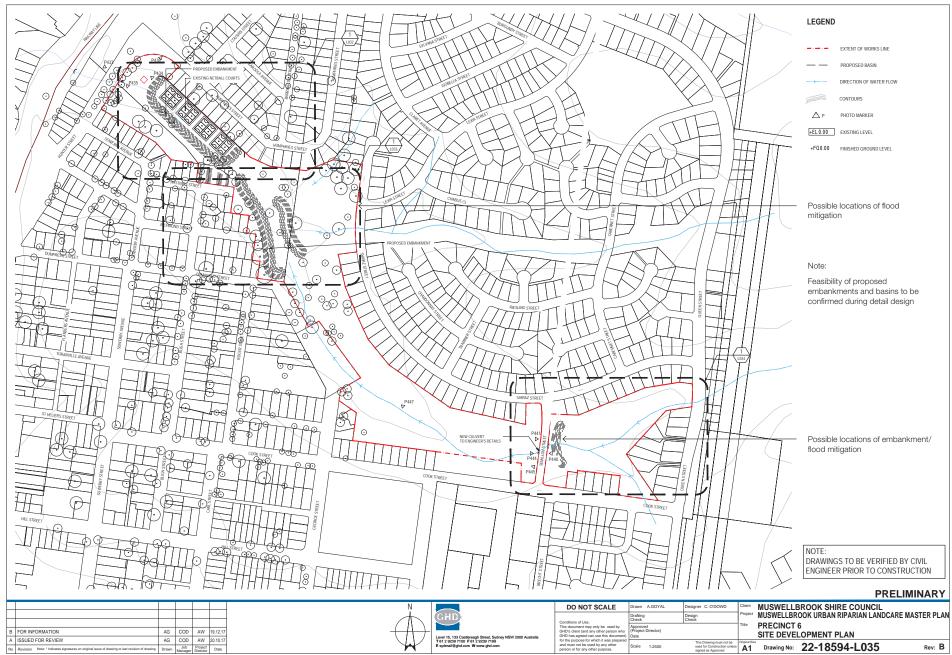
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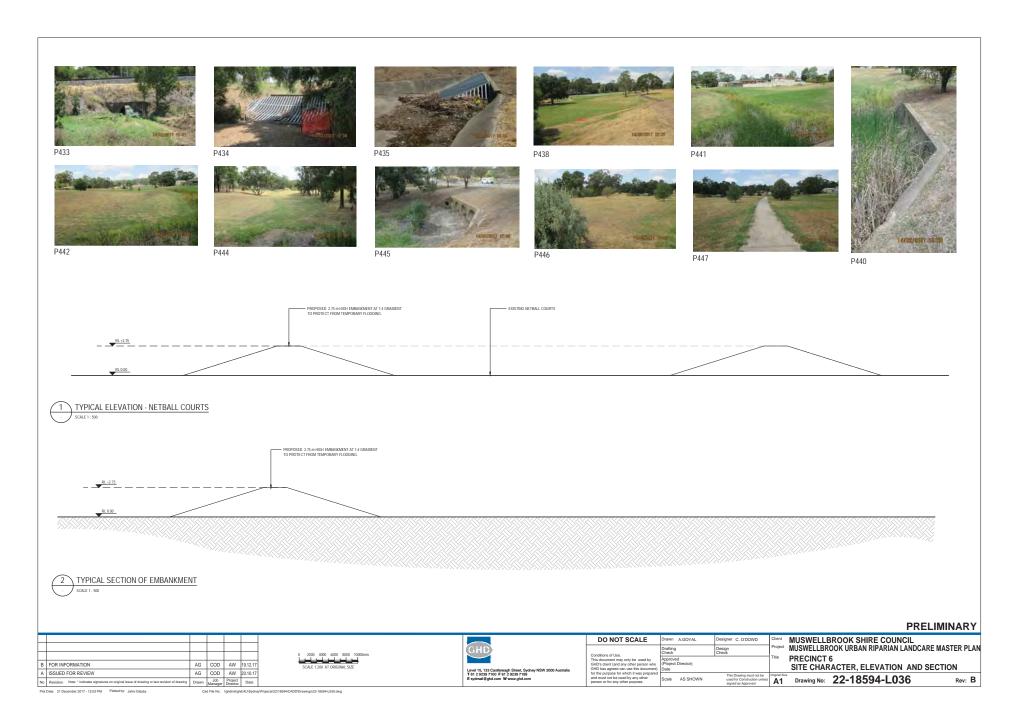
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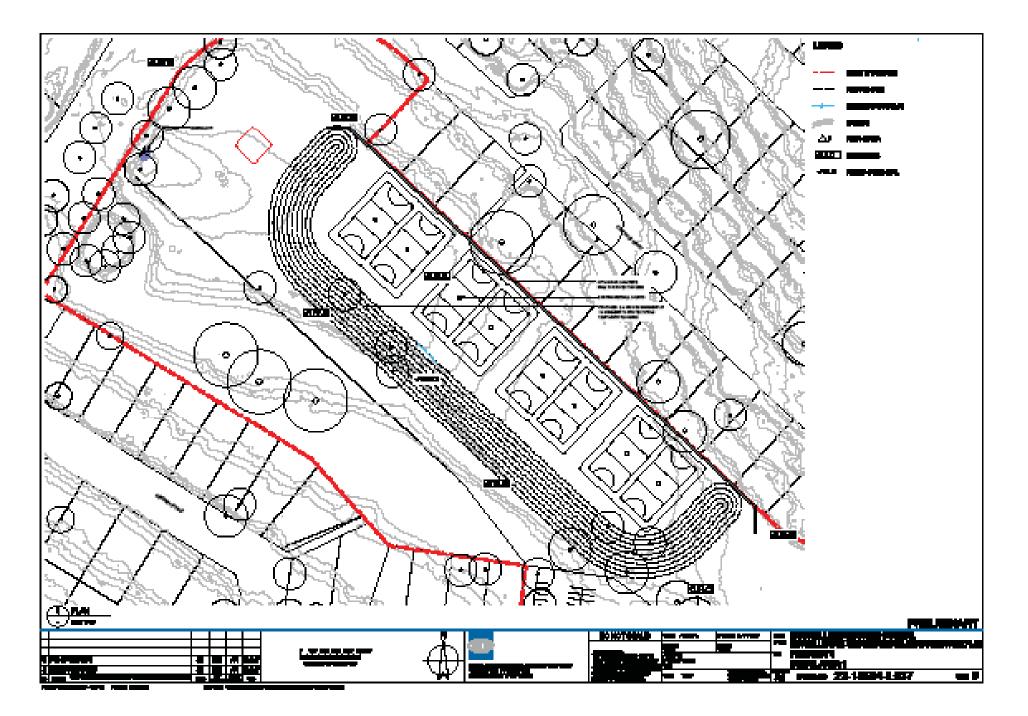
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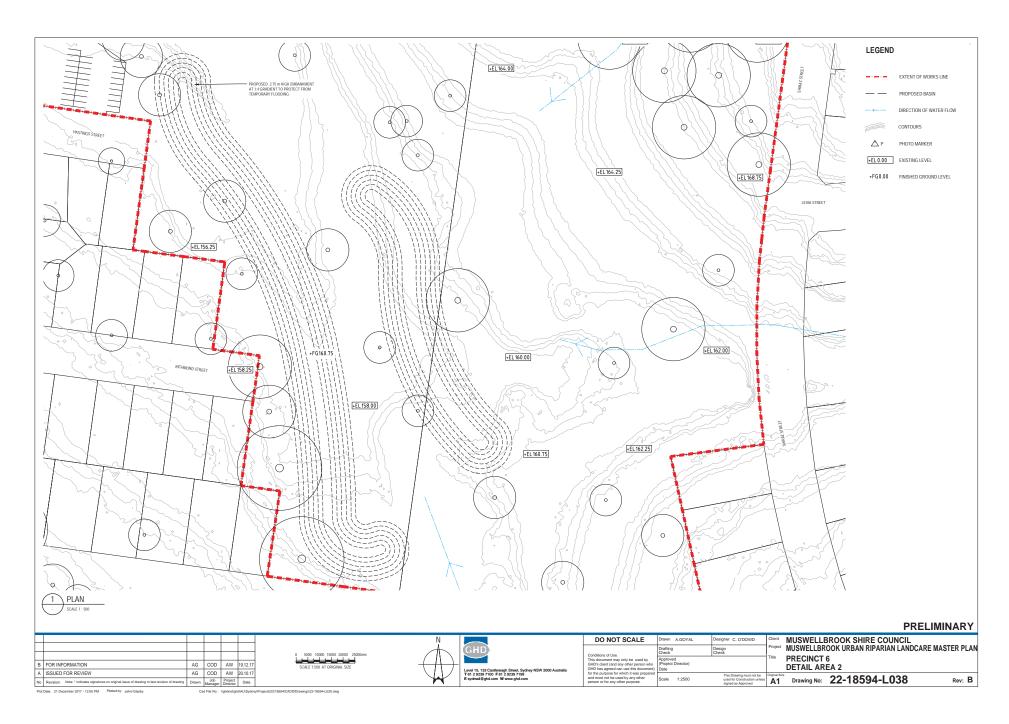
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## 6.3 Precinct 6

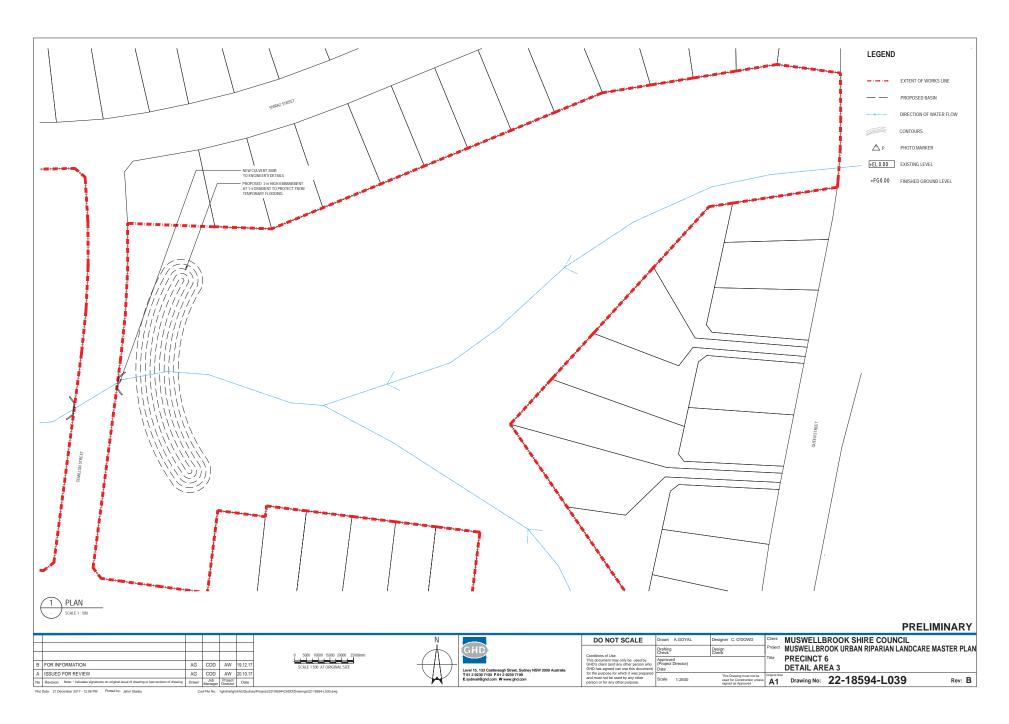








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