

BRAUNSTONE TOWN COUNCIL

CITIZEN'S ADVISORY PANEL – 23rd MAY 2024

Item 9 – Mossdale Meadows Flood Alleviation and Drainage Improvements

Purpose

To receive and comment on proposals for rebuilding the Culvert and carrying out flood alleviation and drainage improvements to Mossdale Meadows.

Background

At the meeting of the Policy & Resources Committee held in 28th October 2021 members received a full report regarding the condition of the vehicular and pedestrian bridges over the brook at Mossdale and the increase in incidents of flooding from the brook onto the park.

The main issue that is causing the flooding is the culvert pipes that run under the vehicular and pedestrian access bridge. We were advised these are too small and as there are two pipes next to each other debris is collecting and building up between them which is restricting flow through the pipes even though they are cleared regularly. The pedestrian bridge is also too small and it was suggested that this is removed, along with the overflow pipe, and replaced with a larger culvert pipe under the vehicular bridge.

Action taken to date

A contractor had been contracted to provide formal plans and specifications that could then form the basis of a tender document to undertake the proposed works which included the removal of the pedestrian bridge.

Several tender documents had been prepared and submitted for various works but due to various issues with costs, none of the tenders received to date had been accepted.

Tender submissions for the culvert bridge and bank work falls below the minimum amount for public borrowing and the Town Council was not in a position to fund the project through the budget and reserves. Consideration was made about other possible works that could be included in a revised plan to provide a larger project plan that a Public Works Loan could fund.

Proposed Alternative

Problems with flooding and drainage in different areas of Mossdale Meadows had been reported over some years and it was therefore proposed at the meeting of Policy & Resources held on 15th June 2023, that revised plans and a new tender be commissioned to include all the following work:

1. Replacement of vehicular culvert bridge over the brook
2. Works to the brook banks as previously proposed
3. Inclusion of drainage channels down the Lubbesthorpe bridle path adjacent to the pavilion building to alleviate flooding issues in the workshop
4. Drainage work to the entrance of Mossdale Meadows car park to drain water from the car park into the brook as the car park entrance was prone to frequent flooding that was raised during the Walking & Cycling route construction.
5. Resurfacing of Mossdale Meadows car park with tarmac. Currently the car park consists of hardcore and stone which frequently gets washed down towards the brook in heavy rain.

The above have all been approved for inclusion in the 2024/2025 Capital Plan.

Update

A site meeting had been arranged with the Civil Engineering Company in order for them to prepare plans to include the additional works above. Plans for the proposed work to the car park and drainage down Lubbesthorpe Bridle Park had been received and included with the plans for the Culvert Bridge and Bank Work as shown at appendices 1 – 5.

The draft Tender documents had been approved at Policy & Resources Committee meeting held on 25th April 2024.

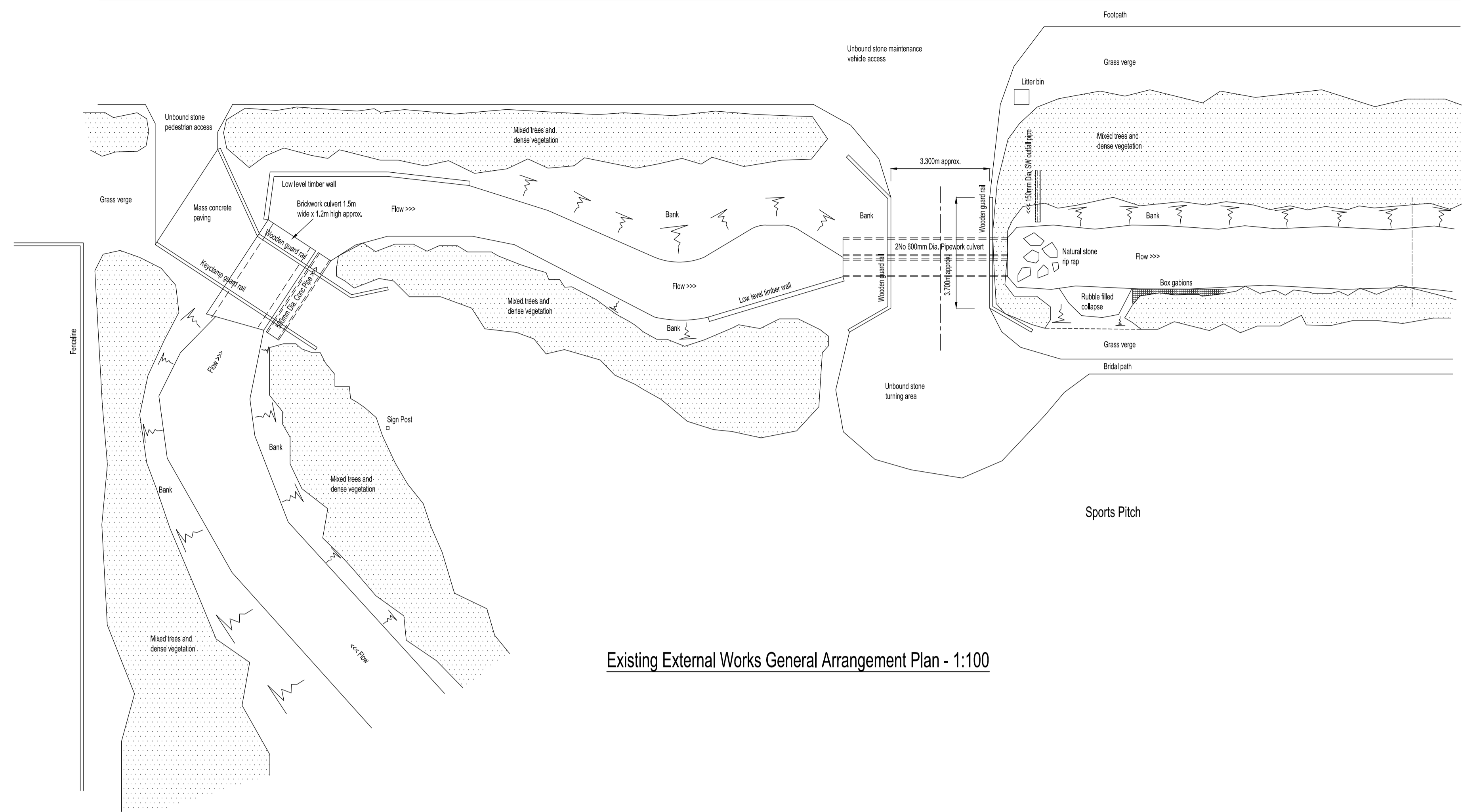
Timescales and Proposed Work

The following timescale and proposed work schedule had been agreed by Policy & Resources Committee on 25th April 2024.

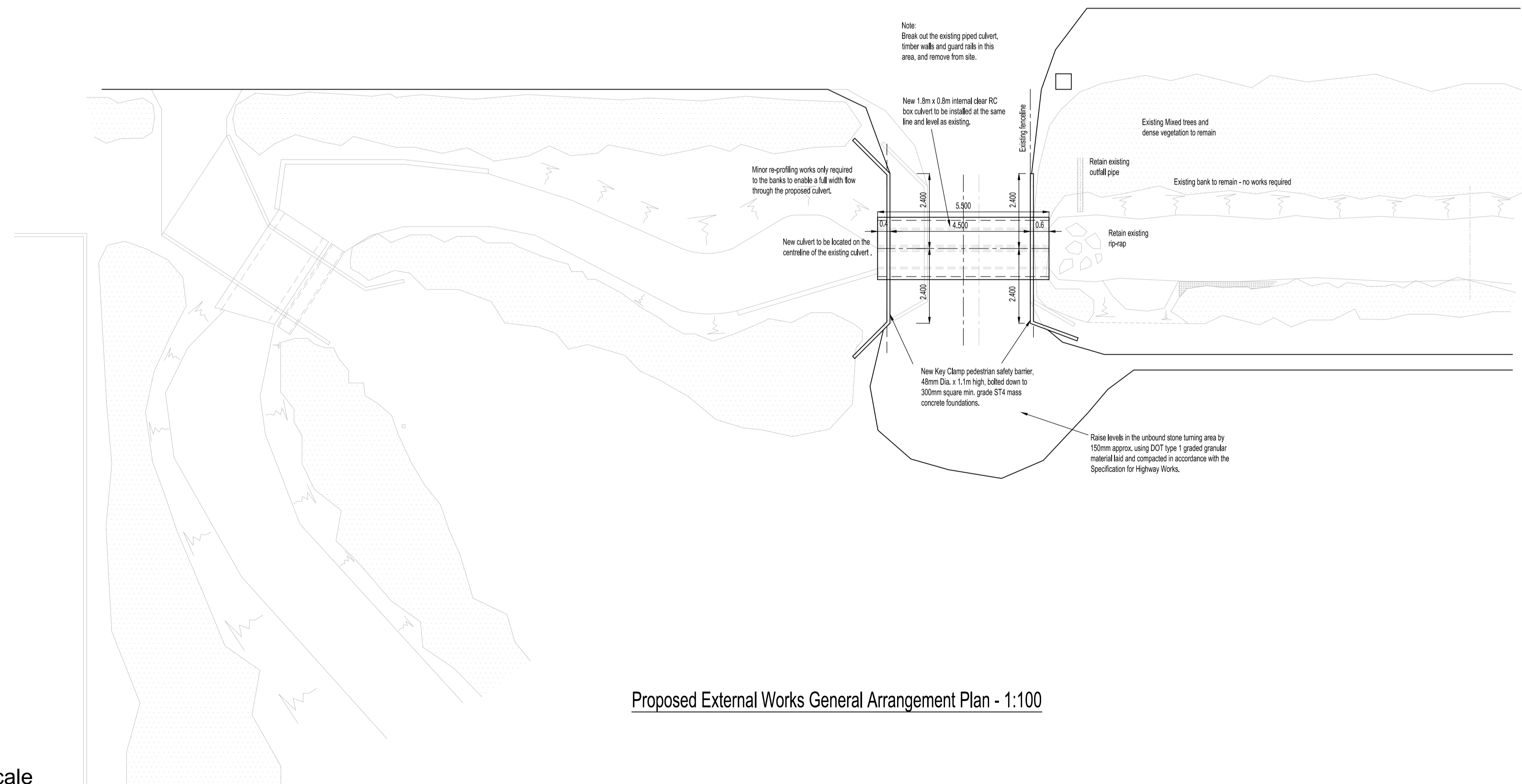
Date	Proposal
June 2024	Tenders to be made available to suitable contractors
July - August 2024	Tenders received and shortlist of suitable contractors be considered
September 2024	Final designs and contractor to be approved
October – November 2024	Work to commence

Action Required

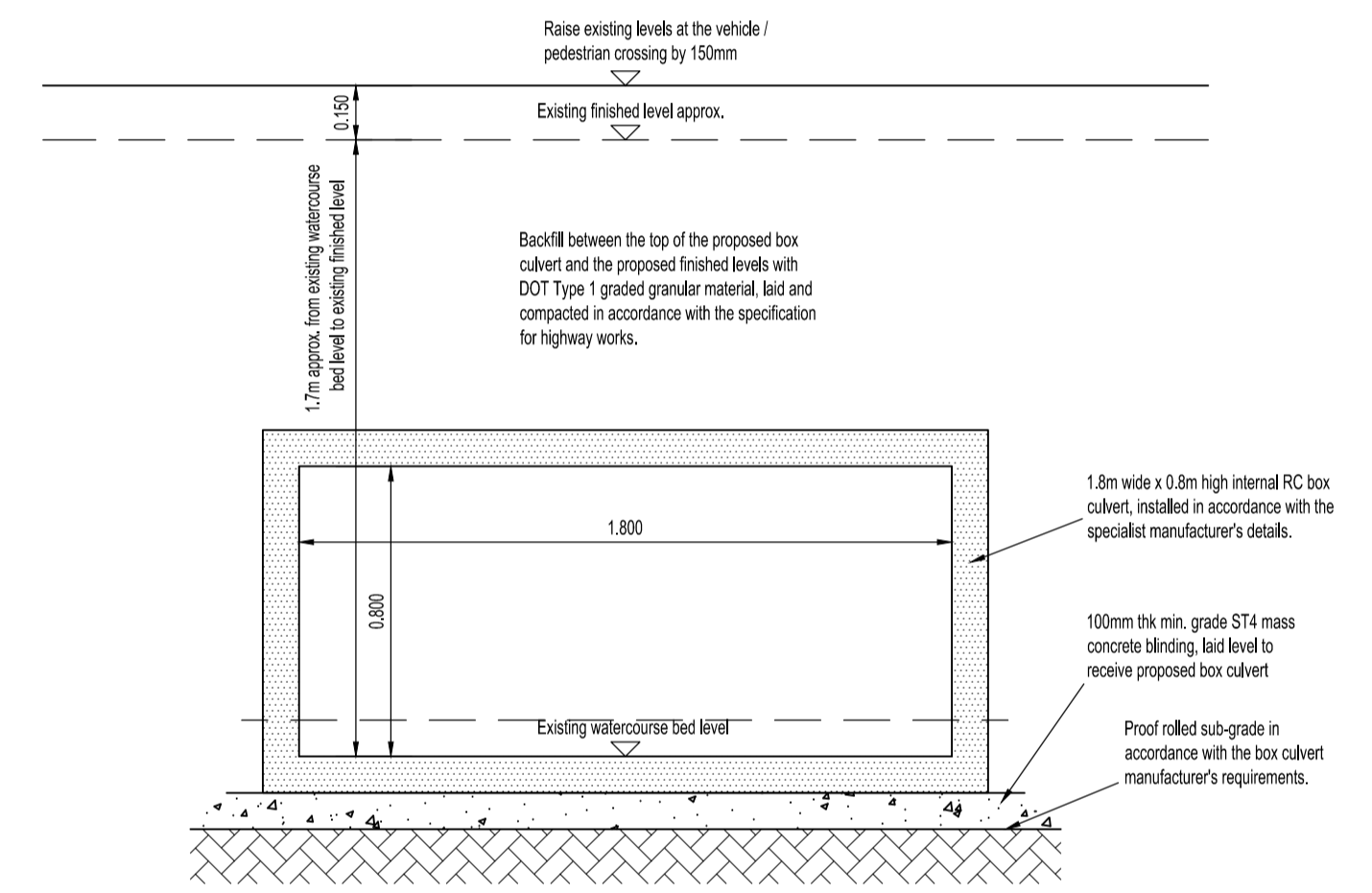
To consider and comment on the proposed works to the Mossdale Meadows vehicular culver bridge, drainage work to Lubbesthorpe Bridle Path and drainage to the car park and improvement work.



Existing External Works General Arrangement Plan - 1:100



Proposed External Works General Arrangement Plan - 1:100



Typical Detail Through Proposed Box Culvert At The Vehicle / Pedestrian Crossing - 1:20

NOTES

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Dimensions must not be scaled from this drawing. The Contractor is to check and verify all building and site dimensions before work is put in hand.

This drawing must be read and checked against any Architects or other specialists drawings.

The Contractor is to check and verify with all Statutory Authorities and the Employer the location and condition of any underground or overhead services or confirm that none exist prior to work commencing on site.

The Contractor shall comply with enactments regulations and working rules relating to safety health and welfare of workpeople.

IMPORTANT:
The existing general arrangement plan shown opposite, was produced using very limited surveying techniques and access generally, as a result, it is important that all the proposed works are re-measured before any costings are confirmed, once the site has been cleared of the mixed trees and dense vegetation.

The proposals shown opposite will require a comprehensive temporary works method statement to be produced by the main contractor to the satisfaction of the Local Authority LLFA and Environment Agency as appropriate.

Further pedestrian safety barriers may be required by BTC adjacent the proposed works TBC.

08.11.22	Scope Of Works Reduced	AL	-	P03
13.04.22	Bridge Added	AL	-	P02
07.10.21	Preliminary Issue	AL	-	P01
Date	Description	Drawn	Chkd	Rev

Drawing Status	Preliminary		
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21 Stoney Street, Lode Market, Nottingham, NG1 1LP Tel: 01159 417145 Fax: 01159 484445	Courtwood House, Silver Street Head, Sheffield, S1 2DD Tel: 01143 211900	Lincoln Office Tel: 01522 245020 Fax: 01159 484445
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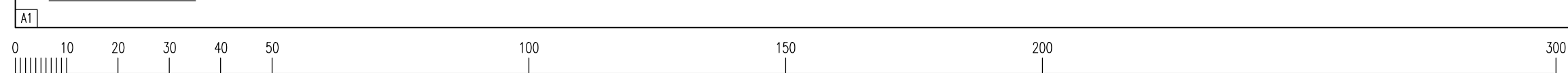
Project	Mossdale Meadows Culvert, Braunstone.
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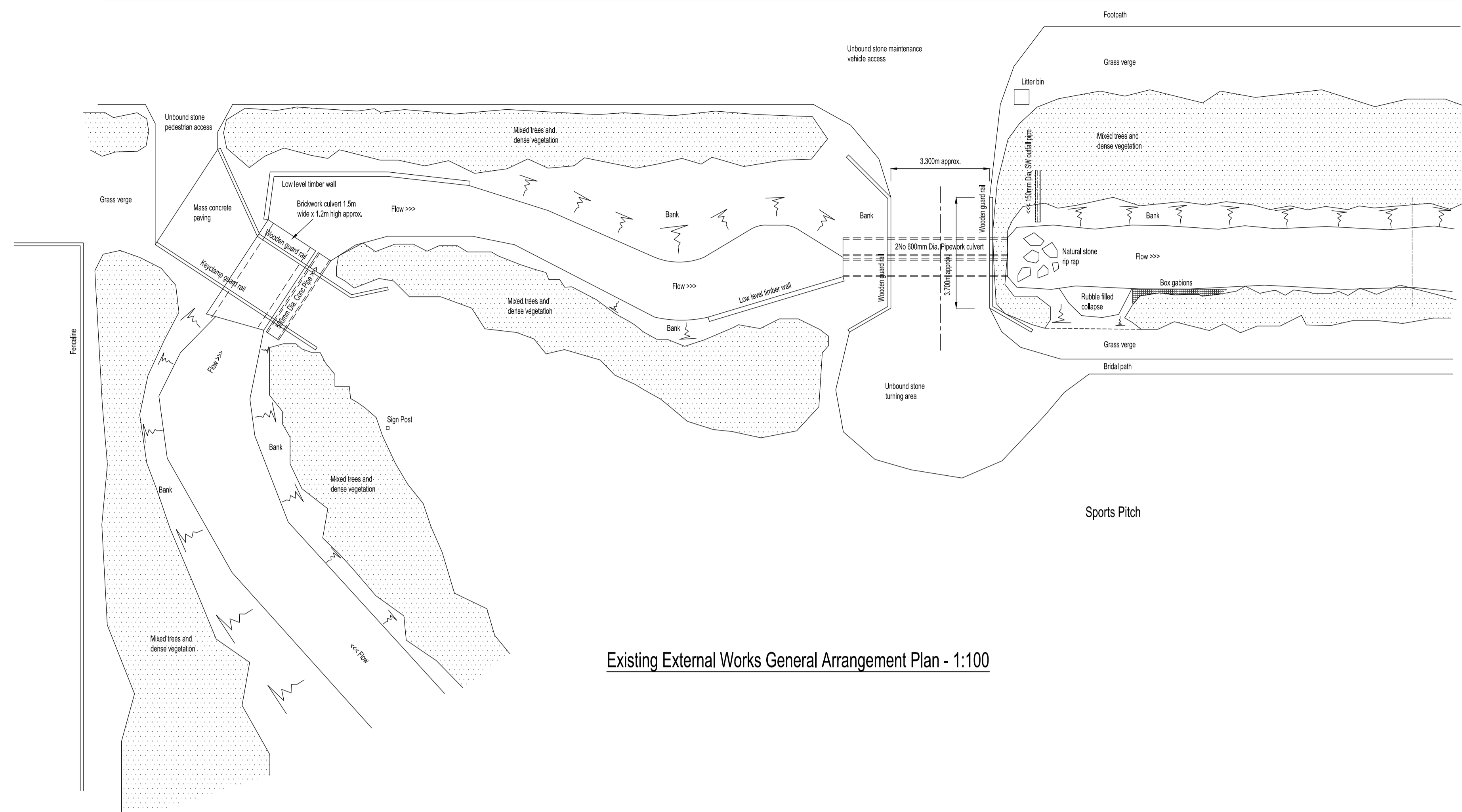
Title	Existing & Proposed General Arrangement Plans
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Dwg Scale	1:100	Drawn	AL	Checked	-	CHG job No.	H291
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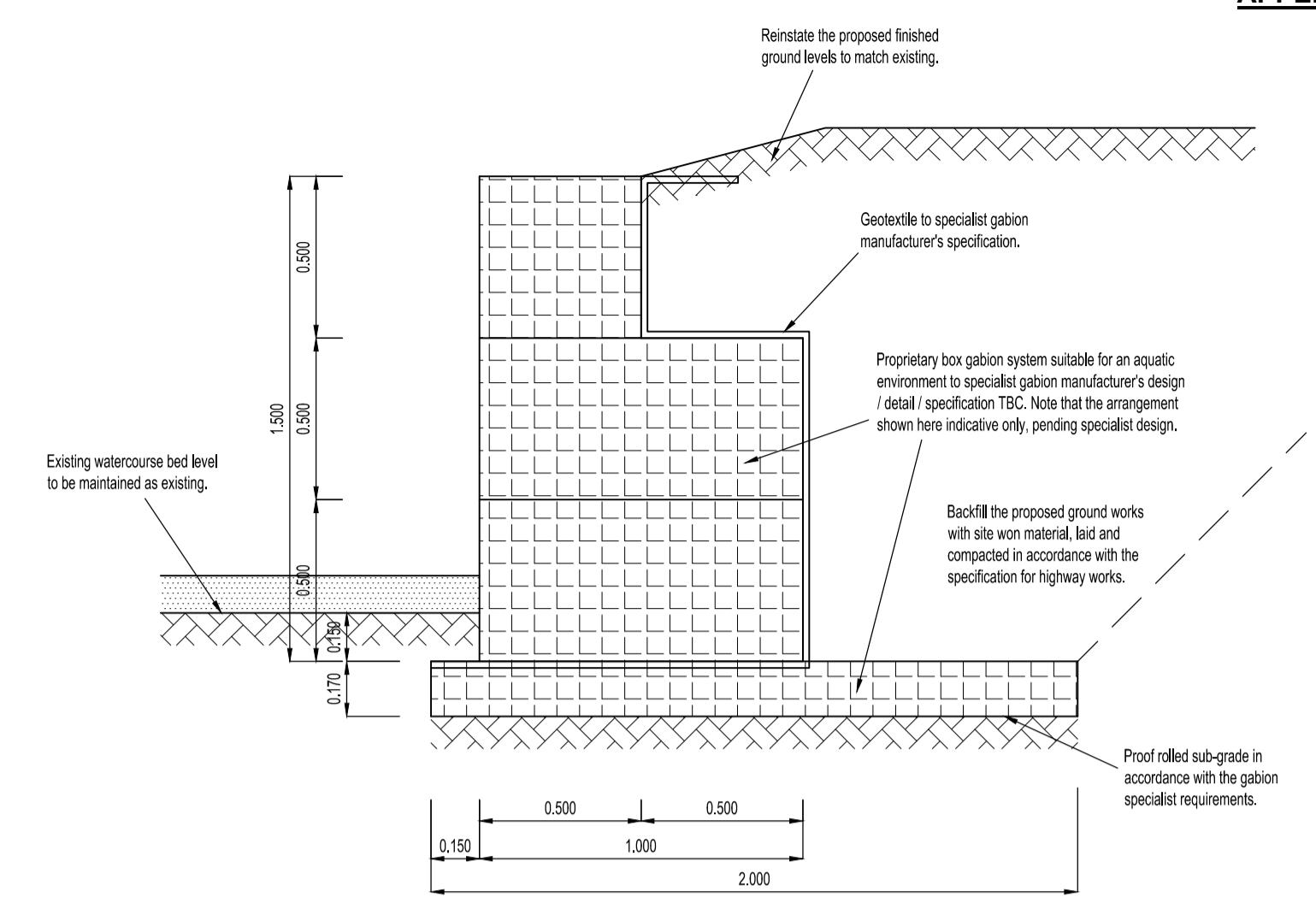
Drawing Number	H291-CHG-Z0-00-DR-C-3000	Revision	P03
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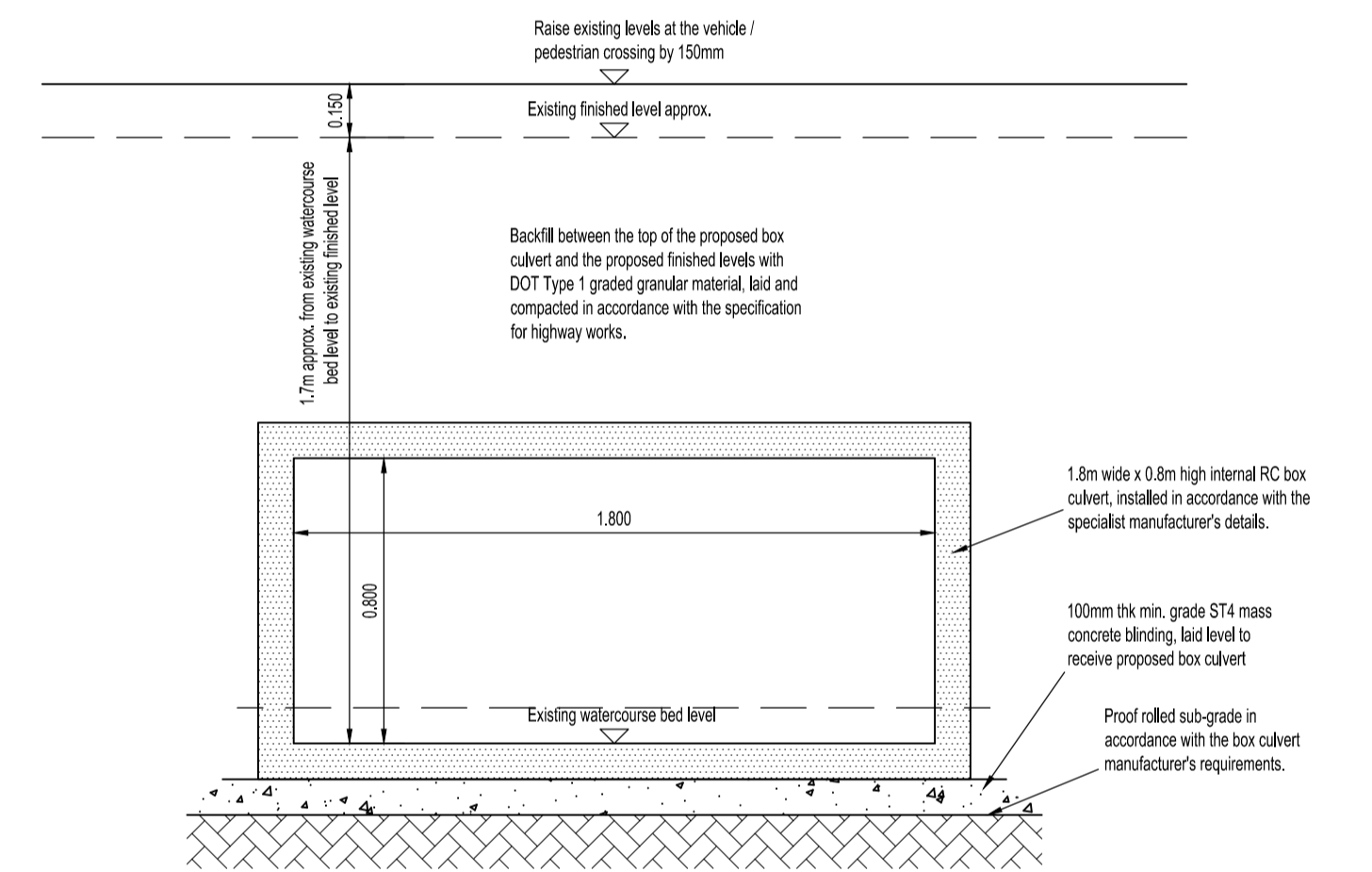




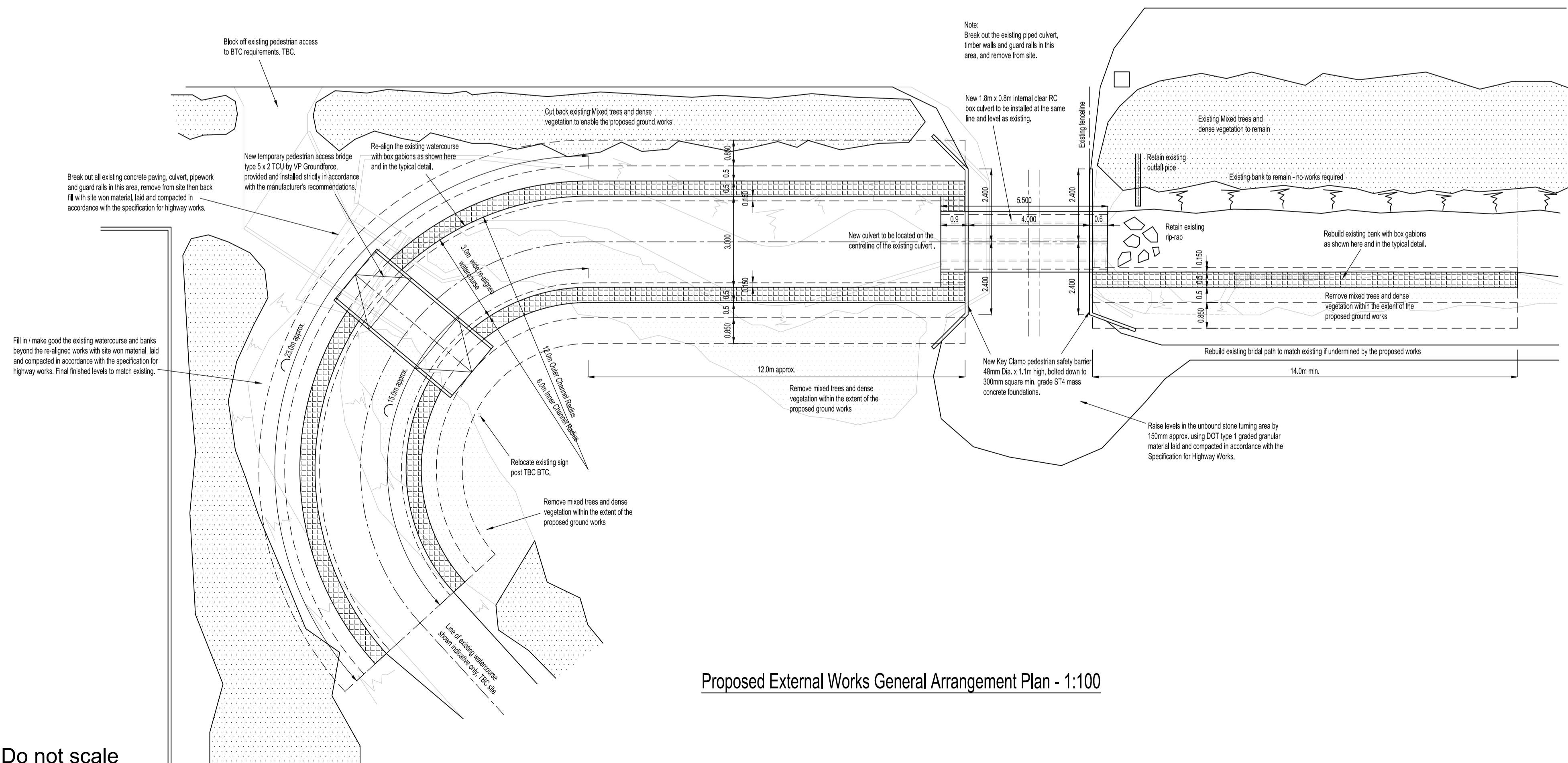
Existing External Works General Arrangement Plan - 1:100



Typical Detail Through Proposed Box Gabions To Be Installed As The Re-aligned Watercourse Sides - 1:20



Typical Detail Through Proposed Box Culvert At The Vehicle / Pedestrian Crossing - 1:20



Proposed External Works General Arrangement Plan - 1:100

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The proposals shown opposite will require a comprehensive temporary works method statement to be produced by the main contractor to the satisfaction of the Local Authority LLFA and Environment Agency as appropriate.

Further pedestrian safety barriers may be required by BTC adjacent the proposed watercourse realignment TBC.

13.04.22	Bridge Added	AL	-	P02
07.10.21	Preliminary Issue	AL	-	P01
Date	Description	Drawn	Chkd	Rev

Drawing Status: **Preliminary**

21 Stoney Street, Lode Market, Nottingham, NG1 1LP
Tel: 01159 417145 Fax: 01159 484445
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Project: **Mossdale Meadows Culvert, Braunstone.**

Title: **Existing & Proposed General Arrangement Plans**

Dwg Scale	Drawn	Checked	CHG job No.
1:100	AL	-	H291

Drawing Number	Revision
H291-CHG-Z0-00-DR-C-3000	P02

Do not scale

