Worsborough Reservoir

Proposed Access and Construction Methodology

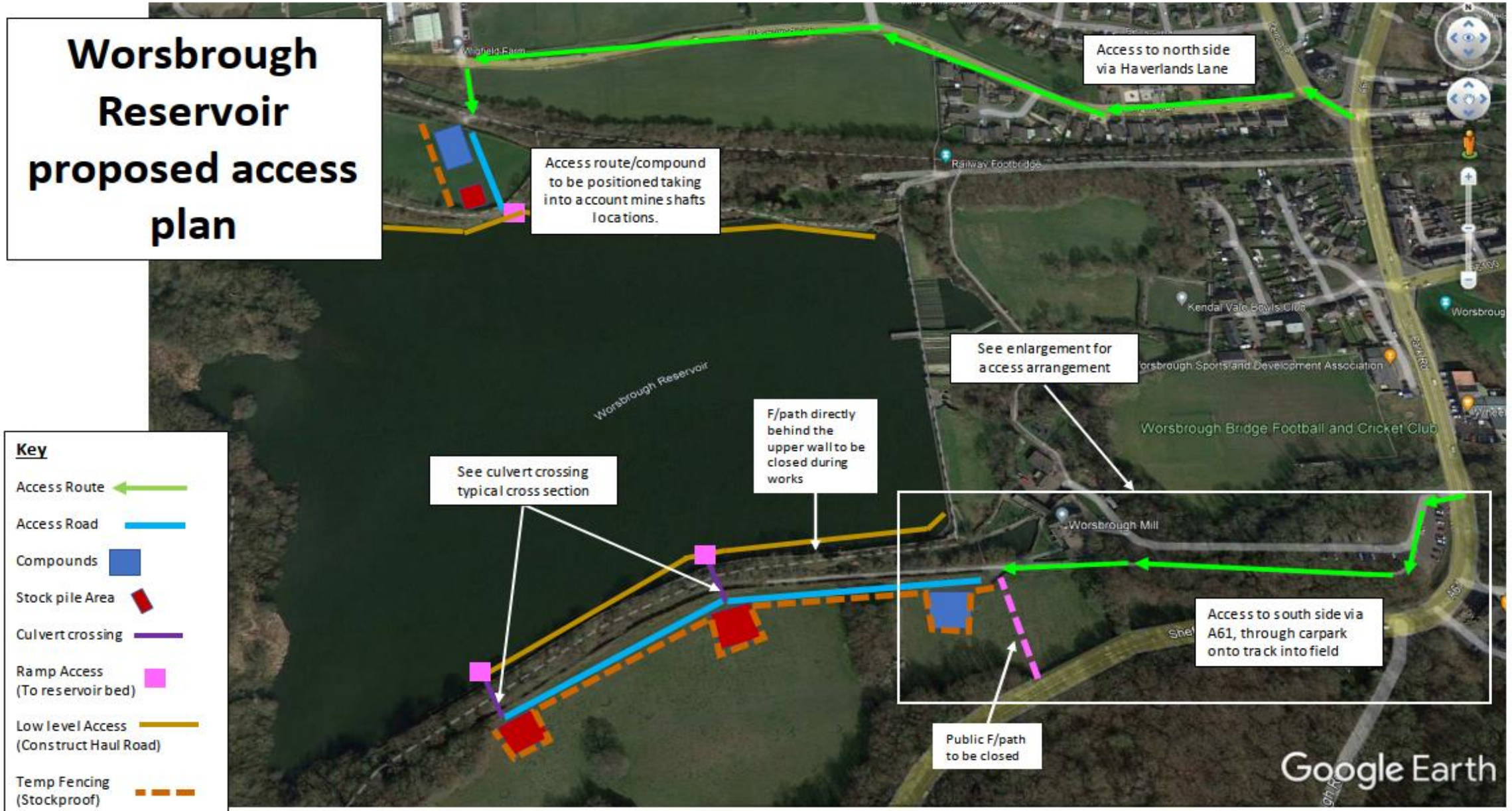
Date: 16/11/2022

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Worsbrough Reservoir proposed access plan



Key

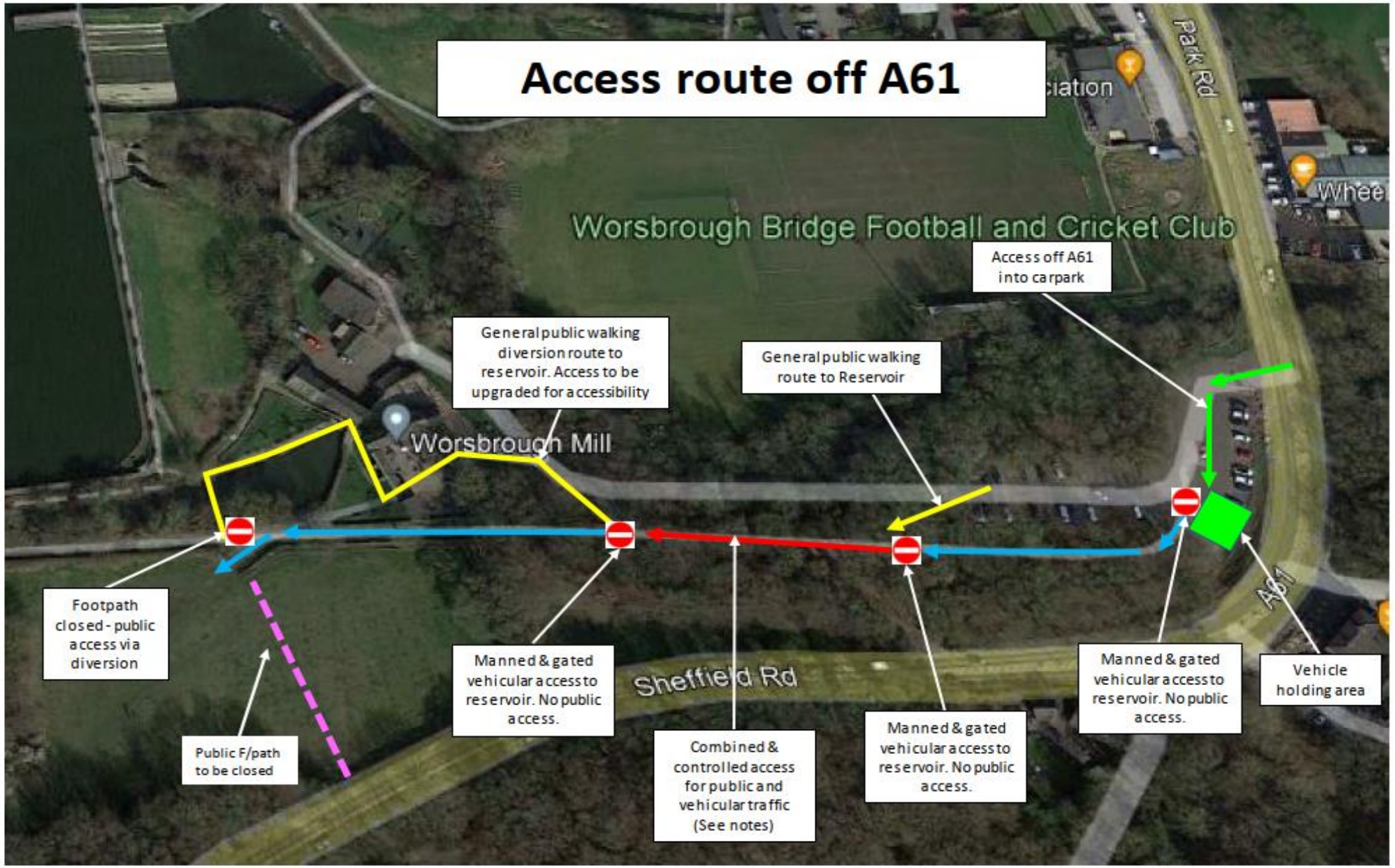
- Access Route
- Access Road
- Compounds
- Stock pile Area
- Culvert crossing
- Ramp Access (To reservoir bed)
- Low level Access (Construct Haul Road)
- Temp Fencing (Stockproof)

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Access route off A61



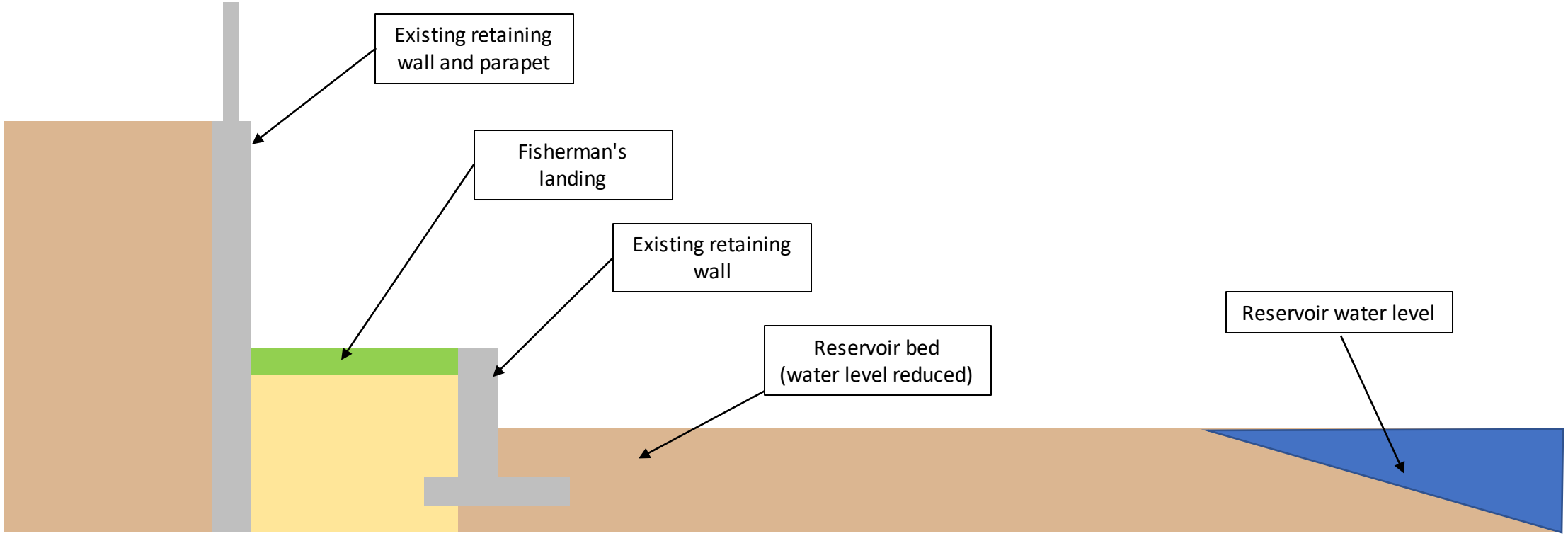
Key

- Access
- Vehicle holding Area
- Access Road (Balfour Beatty Only)
- Access Road (Combined access)
- Footpath diversion

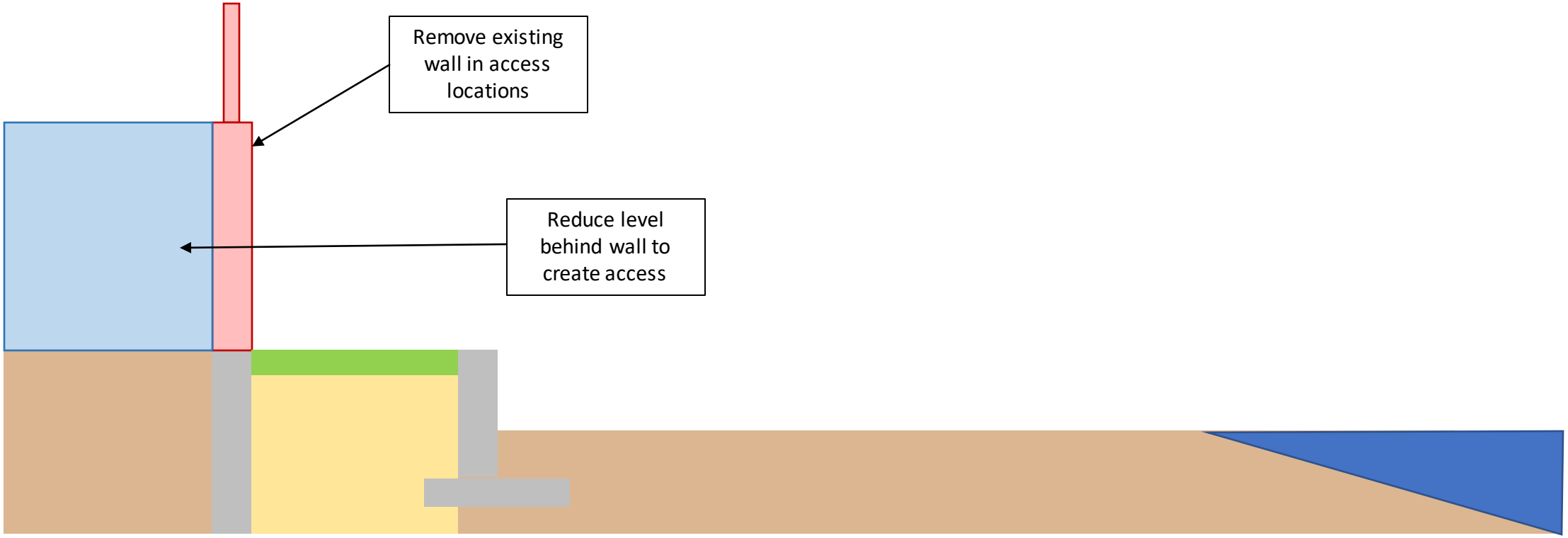
Notes

1. Combined access for public and vehicular traffic to be managed by gatemen at closure points.
2. Vehicles and pedestrians will not use this section of access at the same time.

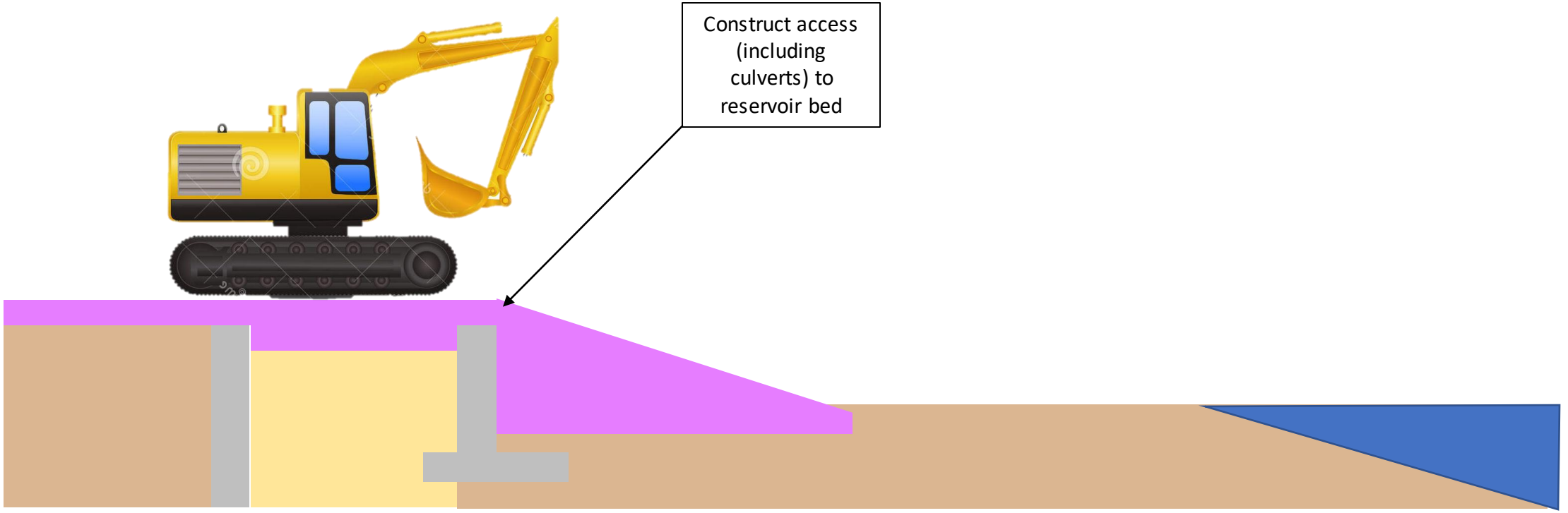
South Bank Construction Methodology – typical cross section



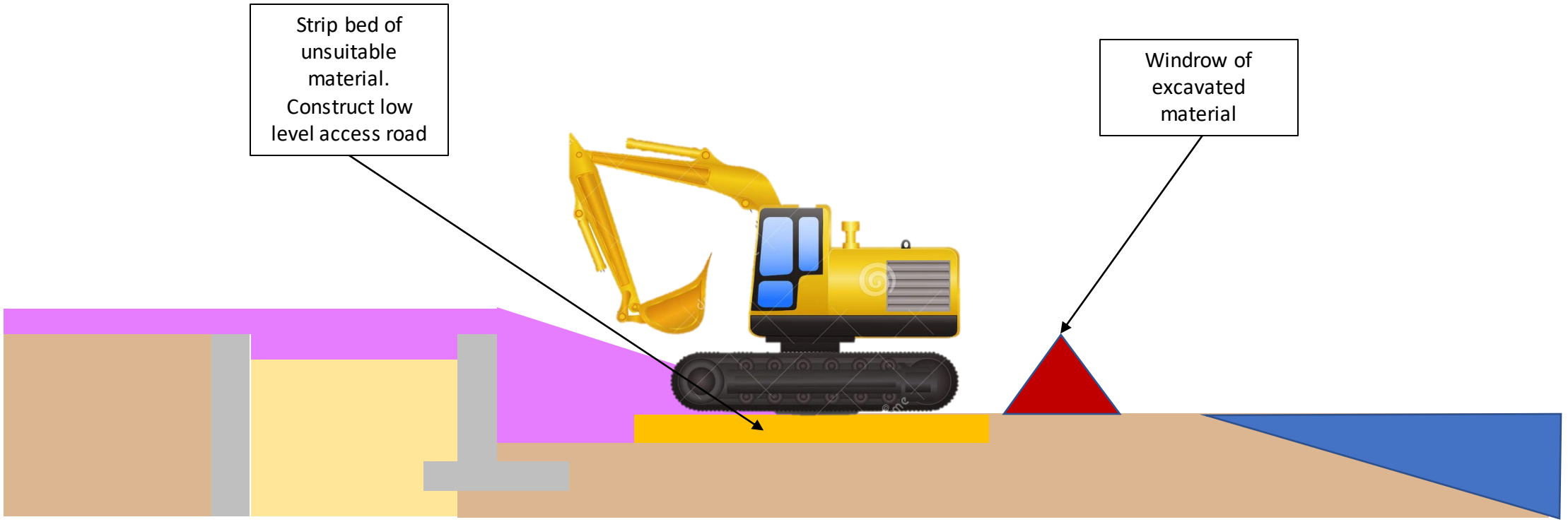
Stage 1 - Remove section existing wall



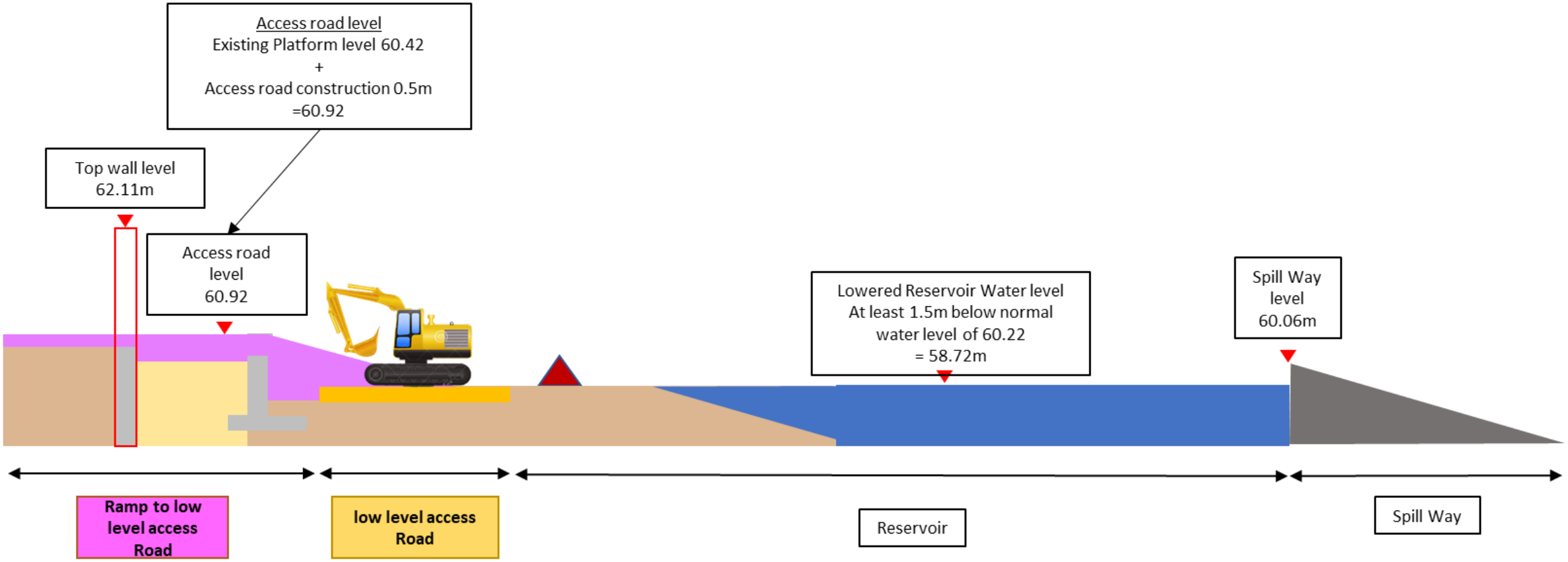
Stage 2 – Construct access ramp



Stage 3 – Construct low level access road



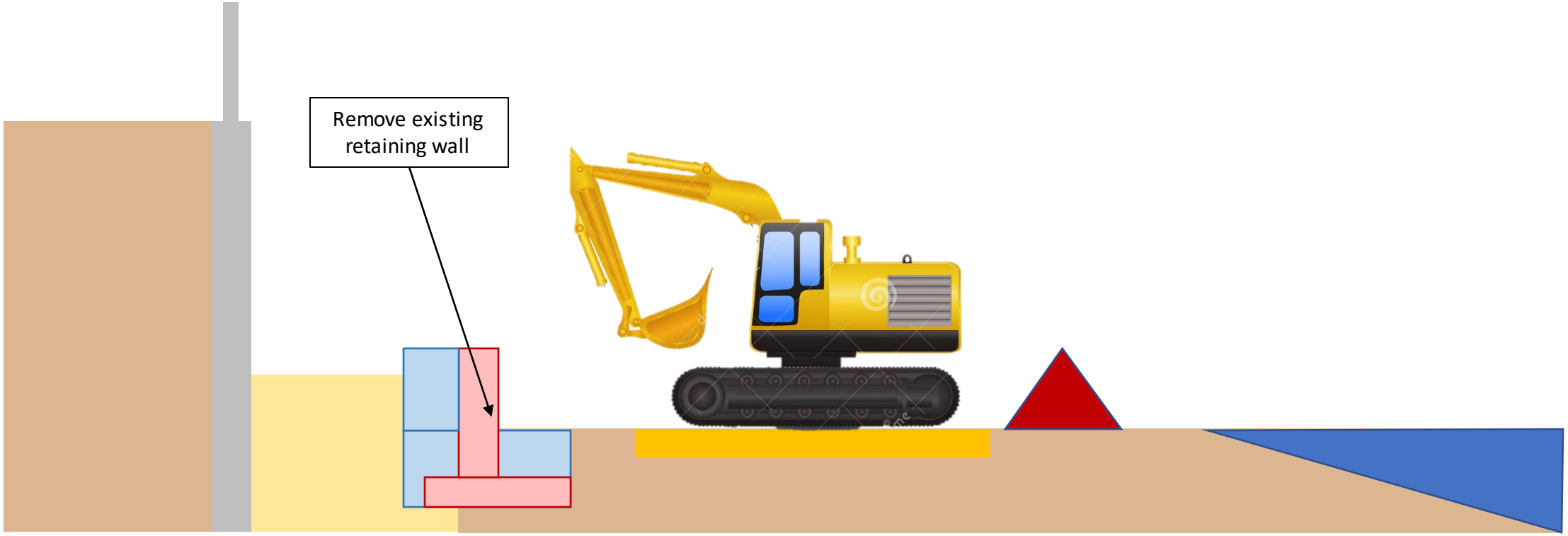
Stage 3 - Access ramp cross section



Notes

1. In a flood event, the gap in the existing reservoir wall will be temporarily reinstated to the height of the existing wall. Material to be used will either be taken from the stone ramp or from a local stockpile.

Stage 4 – Remove existing retaining wall



Stage 5 – Excavate to new foundation level



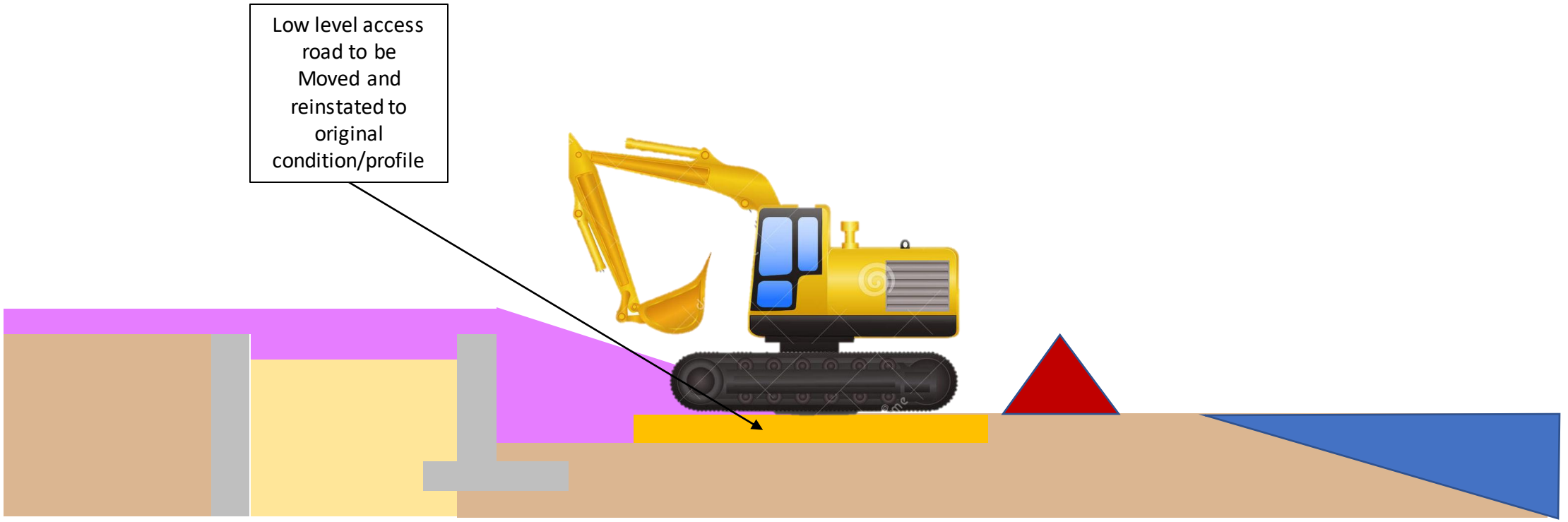
Stage 6 – Install rock armour



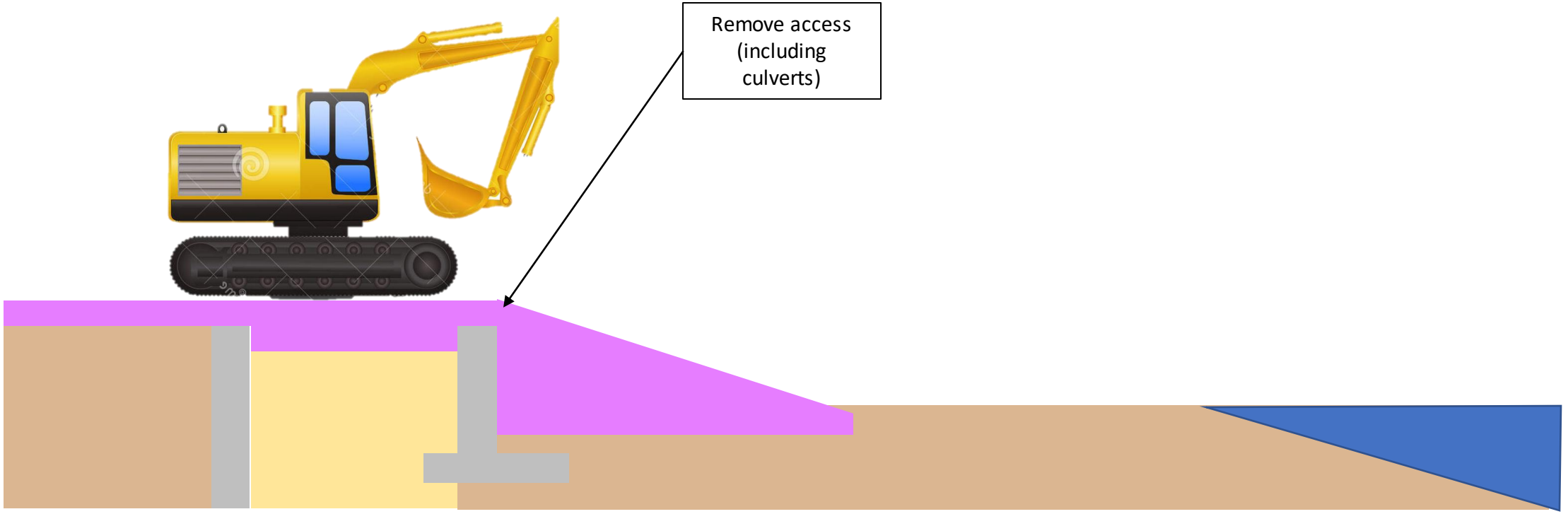
Stage 7 – Reinstate fisherman's landing



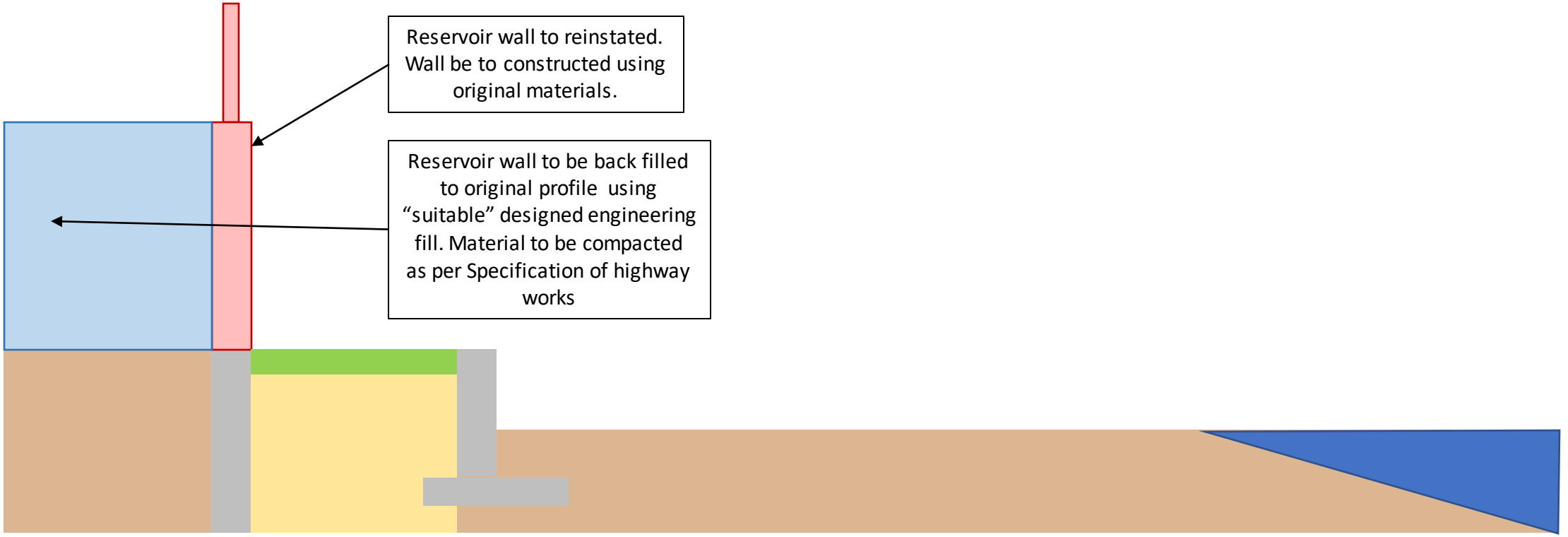
Stage 8 – Low level access road reinstatement



Stage 9 – Access removal



Stage 10 – Reservoir wall reinstatement

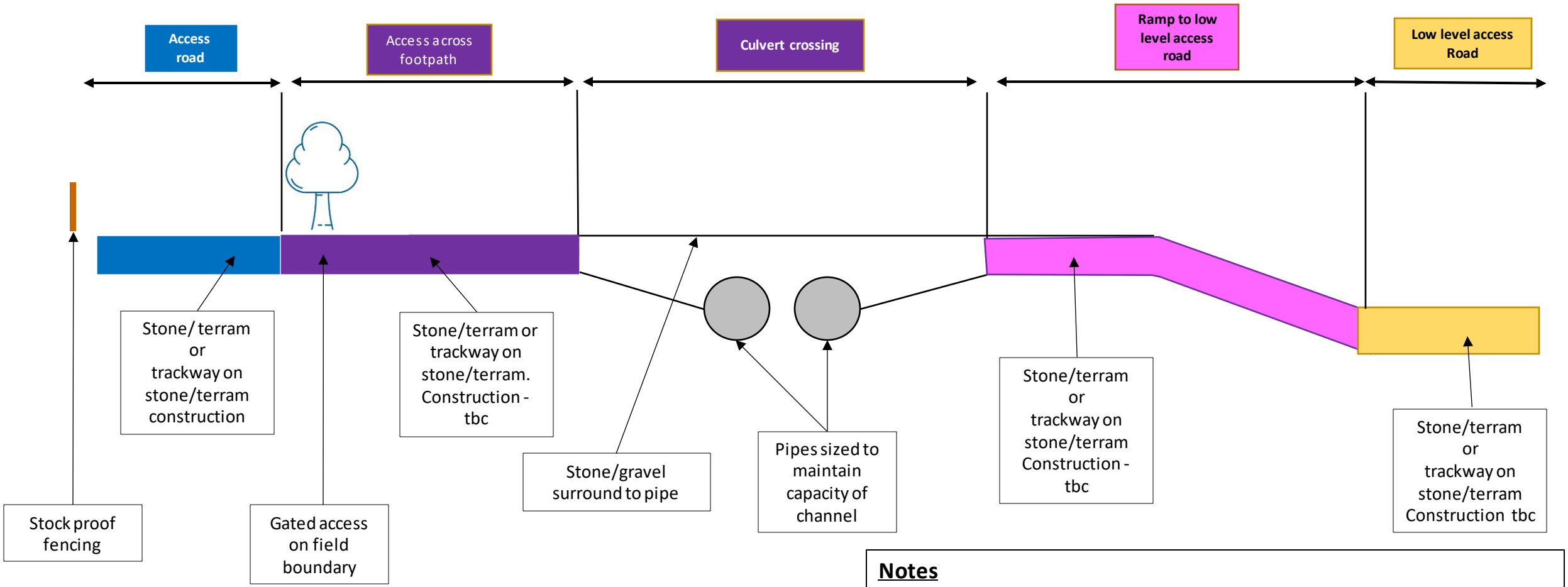


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Culvert crossing typical cross section



Notes

1. Preliminary access road and culvert proposals - to be designed by temporary works department to ensure suitability.
2. Culvert crossing points to be agreed with Barnsley MBC ecologist and any trees to be removed prior to commencement of works.
3. See access ramp section for typical levels

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