

Top of wing walls 200 mm above the calculated 1/100 + 25% flow to keep the flow in-channel (over weir).

Impounding weir created in a series of 5 steps of 440 mm high, broadly following the Environment Agencies guidance for 'pool and weir' fish pass design. This is so that the impounding weir does not create a barrier to fish passage, and will add visual interest to the area. However, due to the watercourse only having a mean flow rate of 96 l/s, the notches have been designed to discharge only 9 l/s when the design flow rate of 125 l/s is reached, and then discharge all the surplus water from 125 l/s and above. The weir notches are 0.6 m wide and 0.0464 m deep.

Width of weir crest capable of discharging 1/100 +25% (=3 m<sup>3</sup>/s) with a depth of water over the weir of 700 mm.

Main structure would be reinforced concrete, but visible parts would be faced in local stone.

Open eel pass with brush substrate. Width of pass is 100 mm with either 20 mm or 30 mm brush spacing. The brush tufts at 4 mm in diameter.

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**REFERENCE DRAWINGS**  
S01

02	THIRD ISSUE	MB	03.02.25
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**Plan**

Drawing No:  
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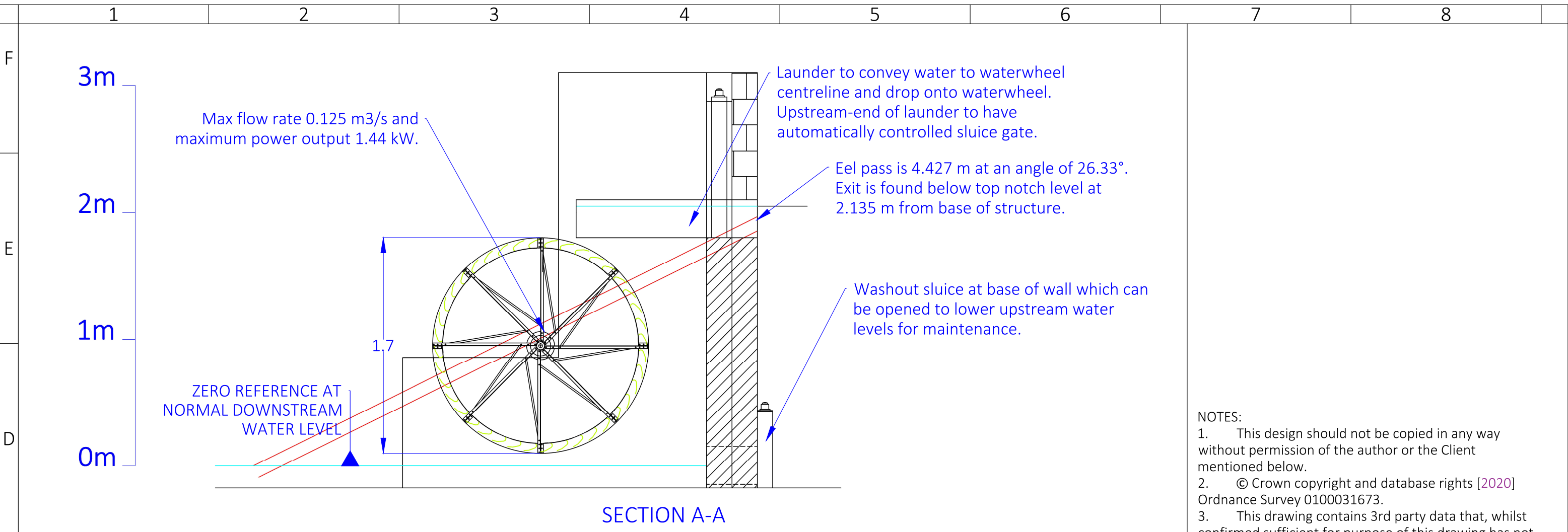
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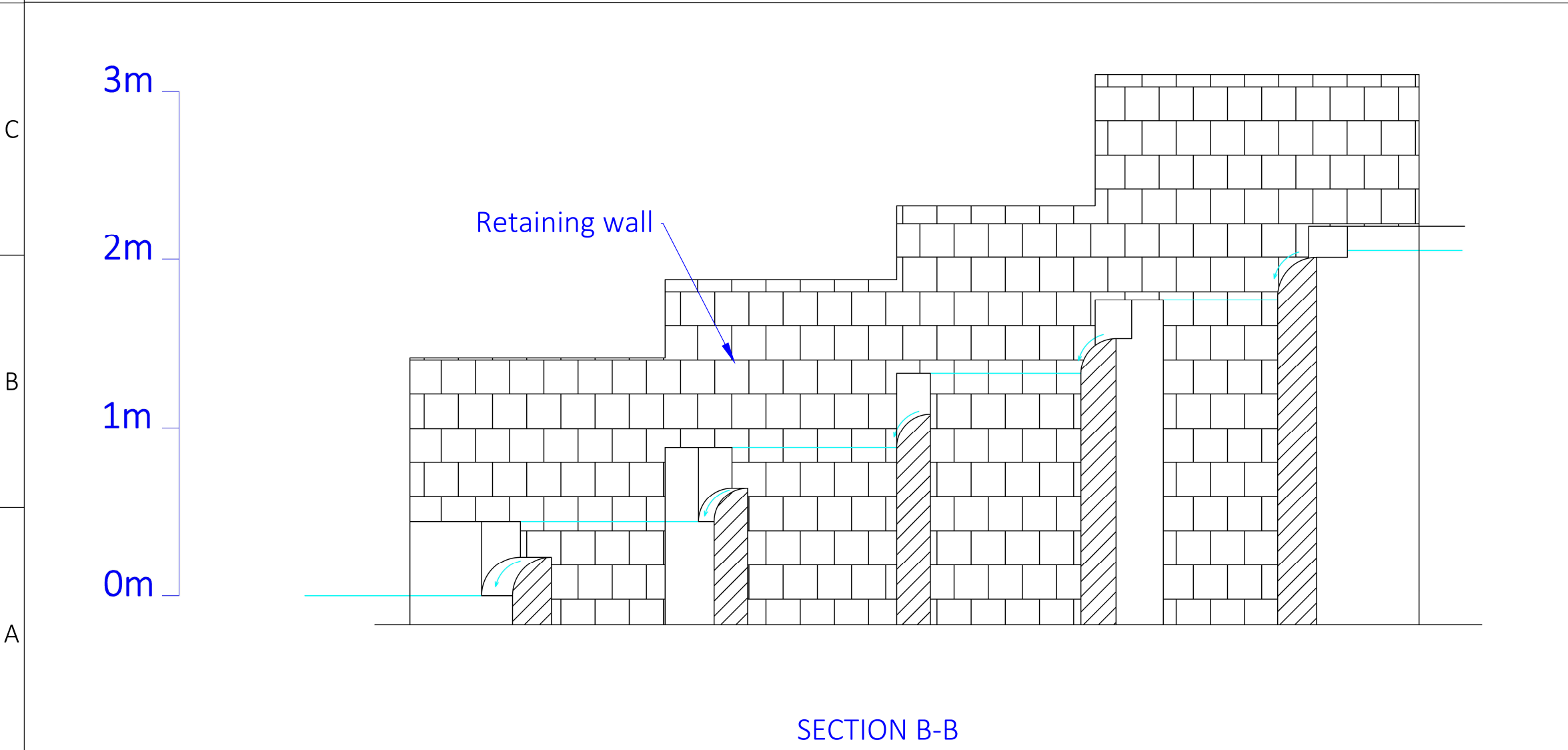
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SECTION A-A



SECTION B-B

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REFERENCE DRAWINGS  
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**HOLLM\_S01**

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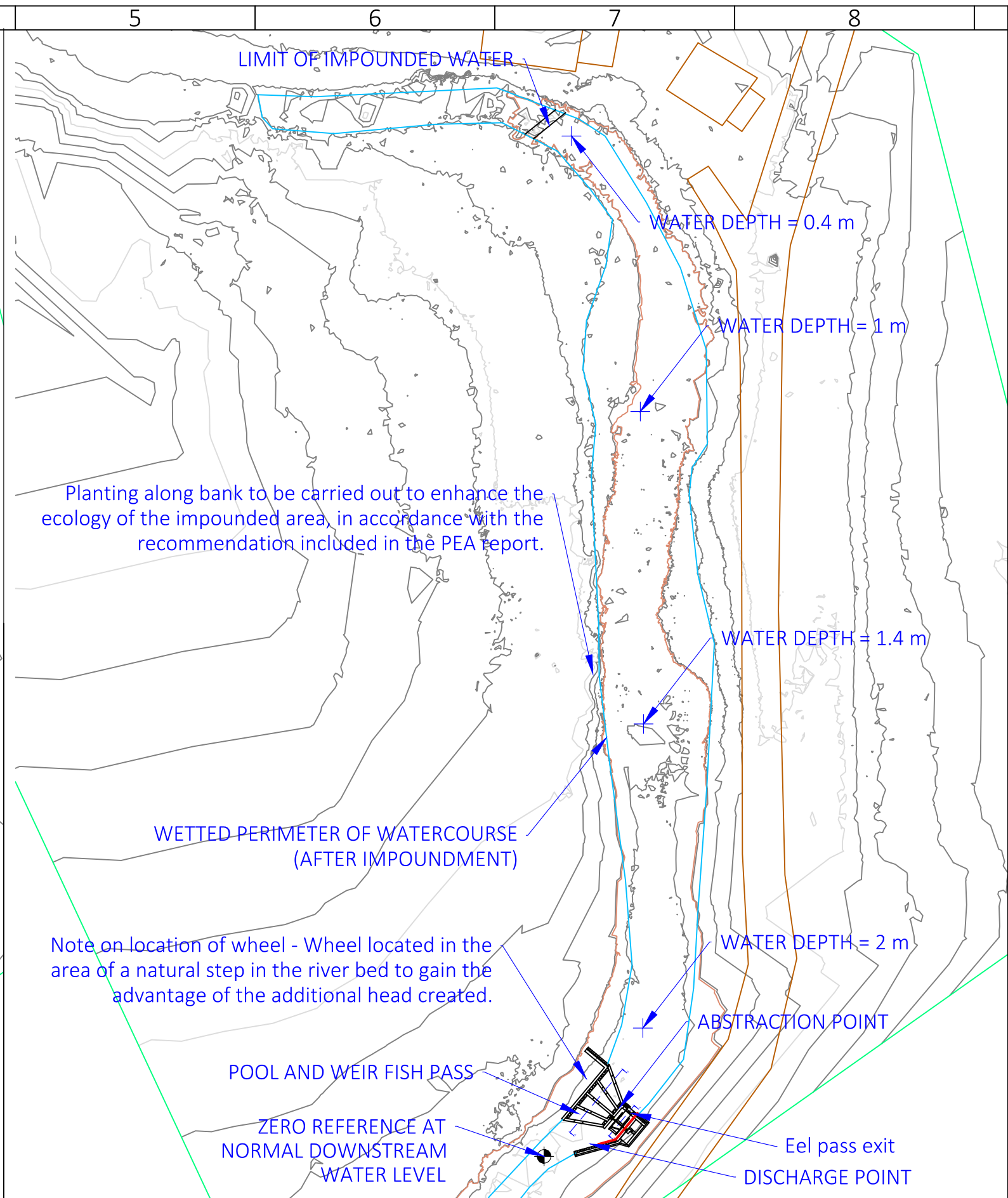
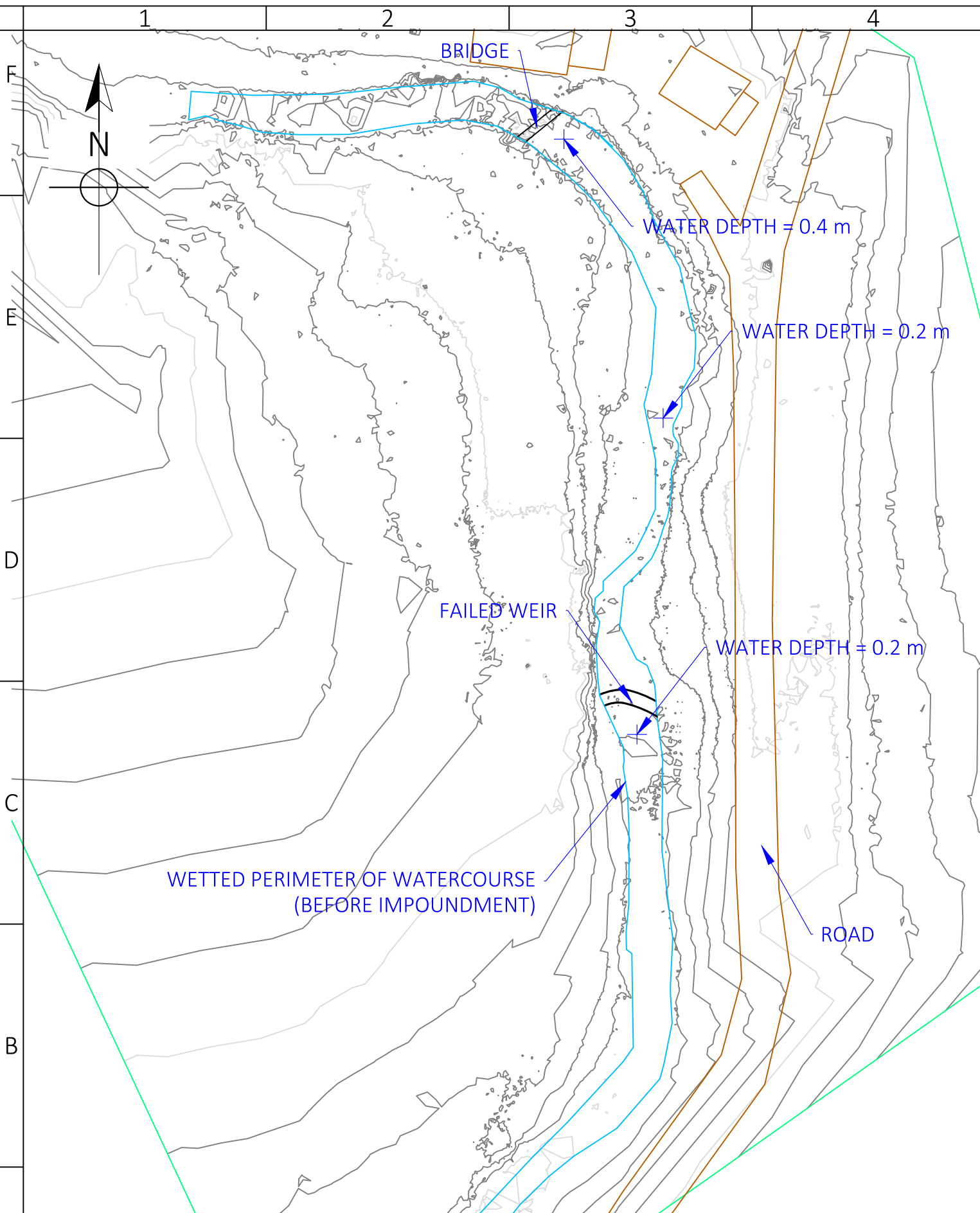
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**Alastair Tulloch**

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Drawing No:  
**HOLLM\_P001**

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