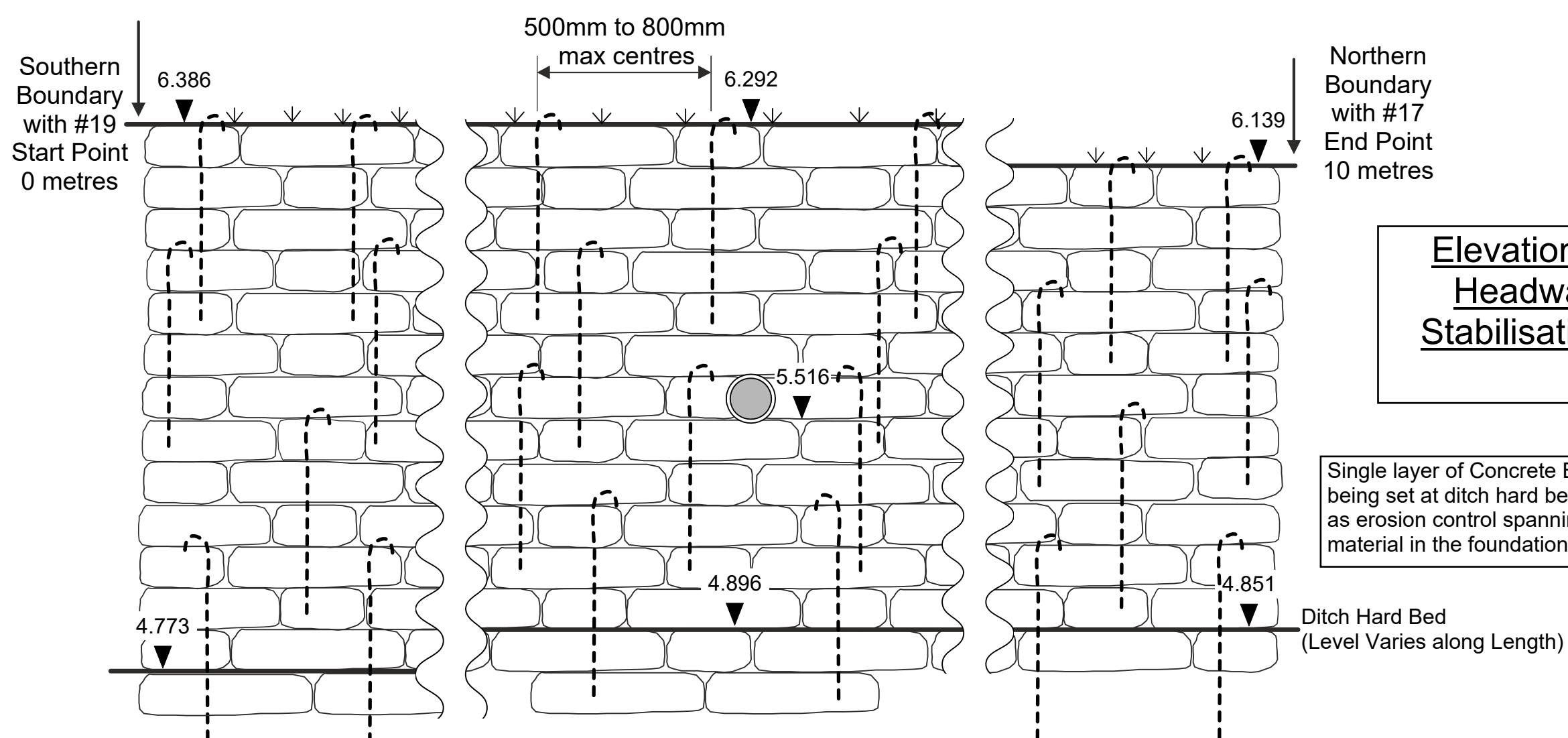
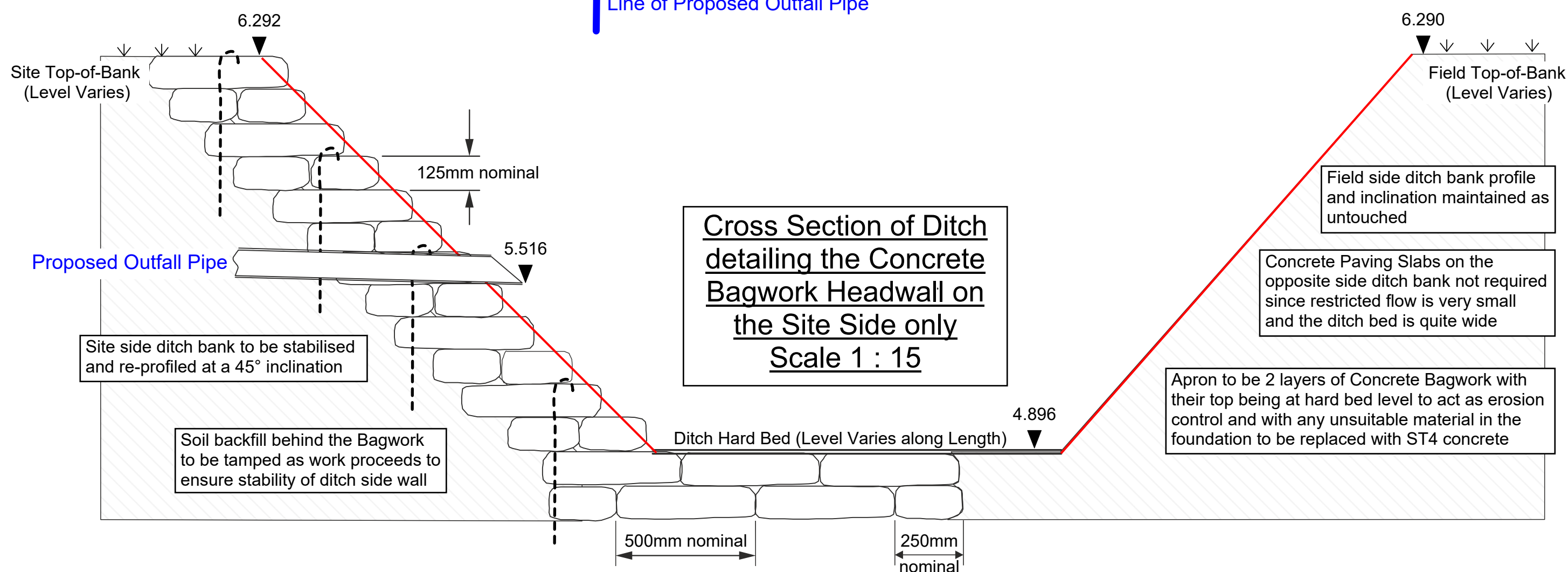


The diagram illustrates a cross-section of a ditch and the proposed outfall pipe. The ditch is defined by a 'Hard Ditch Bed' and 'Field Top-of-Bank' on the left, and a 'Site Top-of-Bank' on the right. A 'Line of Proposed Outfall Pipe' is shown at the bottom, with an 'Outfall Invert Level' of 5.516. Elevation points are marked along the ditch bed and top of bank lines. A blue arrow points to the outfall pipe line.

Stationing	Field Top-of-Bank	Hard Ditch Bed	Site Top-of-Bank
12	6.290	-	-
11	6.253	-	-
10	6.248	4.292	6.292
9	6.268	4.292	6.139
8	6.266	4.292	6.270
7	6.290	4.292	6.292
6	6.272	4.292	6.372
5	6.232	4.292	6.463
4	6.284	4.292	6.543
3	6.321	4.292	6.521
2	6.283	4.292	6.459
1	6.201	4.292	6.411
0	6.268	4.292	6.386
+1	6.277	-	-
+2	6.268	-	-



- a) Bags shall be of Hessian of nominal size 500mm x 250mm x 125mm to provide an overall headwall thickness of 500mm.
- b) Concrete bagwork shall be to Clause 519 and be three quarter filled with 25mm slump ST4 concrete, with the ends securely sewn up, immediately prior to their placing in position.
- c) The bags shall be placed in a modified Flemish bond so as to 'break joint' with the mouths away from the surface and be tamped into position to form a rectangular block.
- d) Bagwork to be keyed into the site ditch side and front faces raked back 45° from the vertical.
- e) Sidewall Bagwork to be founded along the entire length of the ditch with a single additional layer of bagwork, and at the proposed 100mm Ø Outfall Pipe spanning across the full width of the ditch hard bed level and the apron set into the hard ditch bed to extend a minimum of two Bags (1000mm) across from the centre line of the outfall pipe along the ditch line, to provide Erosion Control.
- f) Each row of bags to be STAKED through the one below and hooked into each topmost bag, with spacing 500mm minimum to 800mm maximum to suit bagwork pattern and extending through 3 - 4 complete bags vertically, using hooked 12mm rebar pins or similar, and at the ditch bed to extend into the ground by 100mm minimum excepting the apron.
- g) ALL BAGS on the TOP GROUND LEVEL BAGS to be STAKED, with the spacing across the bagwork to suit. There MUST be NO STAKING ABOVE the PROFILE of the OUTFALL PIPE to remove the possibility of damage to it.

01	Original	RC	28-05-25
Rev.	Description	Drn.	Date

Project

Side and Rear Extension
#18 West View Drive
Yapton
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Client	Mr & Mrs Roberts-Davies
Drawing Title	Ditch & Headwall Details

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Scale	As Shown	Drawing Original	A2
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Drawing Number MGS – Y/56/24 - rev01