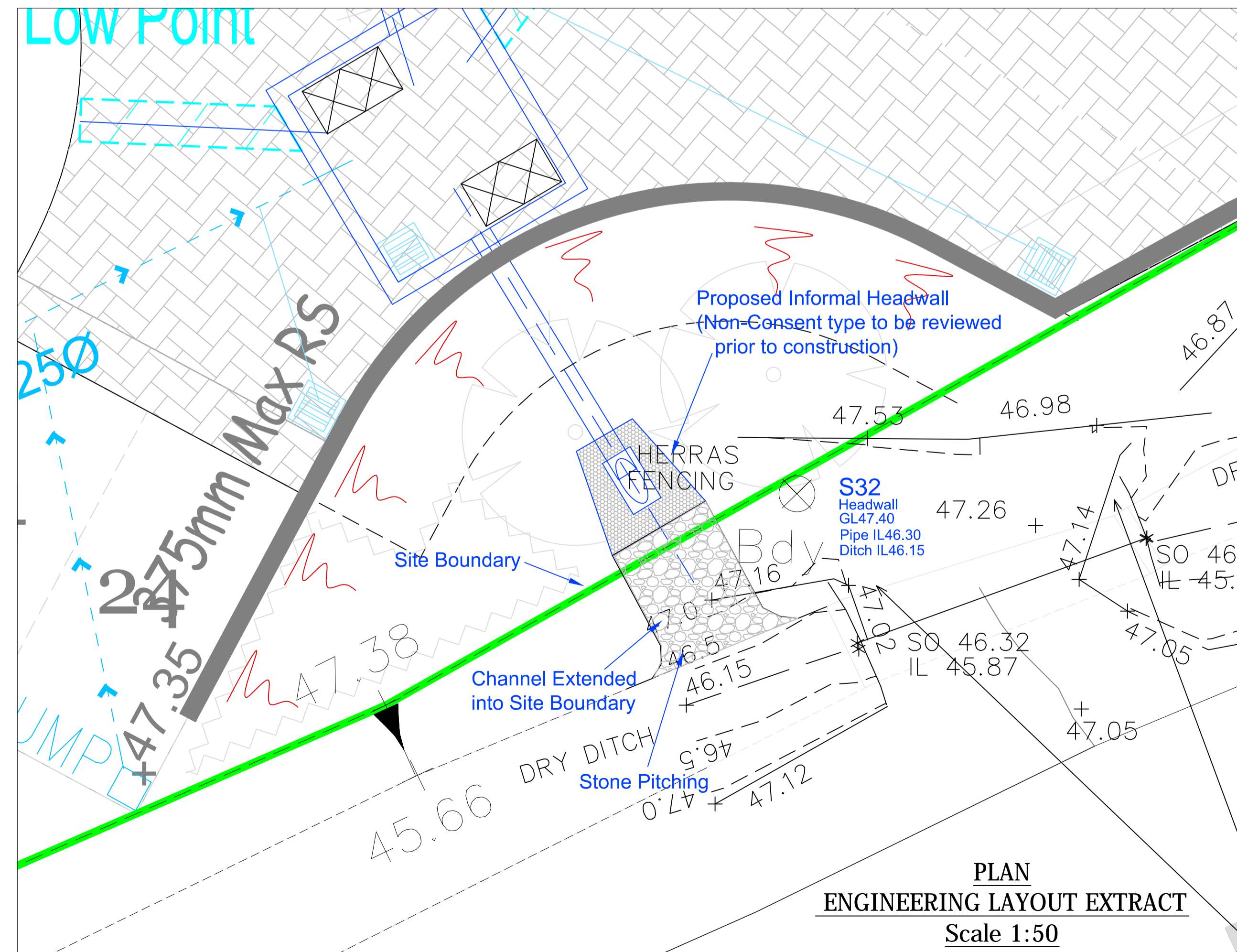
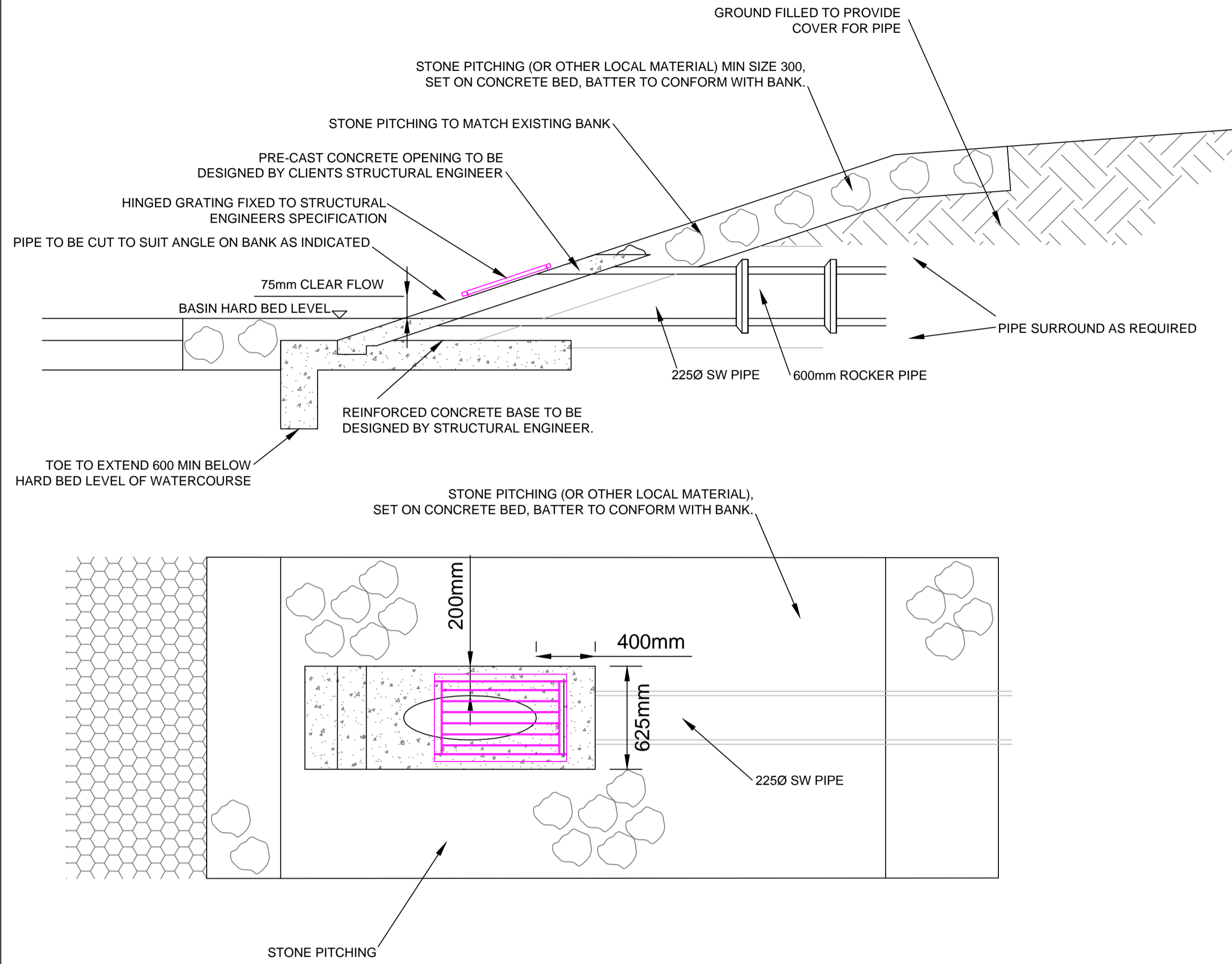


# 'STONE PITCHING' HEADWALL DETAIL 225Ø PIPE



The Contractor is to check and verify all building and site dimensions, levels and sewer invert levels at connection points before works starts. The Contractor is to comply in all respects with current Building Legislation, British Standard Specifications, Building Regulations, Construction (Design & Management) Regulations, Party Wall Act, etc. whether or not specifically stated on this drawing. This drawing must be read with and checked against any structural, geotechnical or other specialist documentation provided. This drawing is not intended to show details of foundations, ground conditions or ground contaminants. Each area of ground relied upon to support any structure depicted (including drainage) must be investigated by the Contractor. A suitable method of foundation should be provided allowing for existing ground conditions. Any suspect or fluid ground, contaminates on or within the ground, should be further investigated by a suitable expert. Any earthwork constructions shown indicate typical slopes for guidance only & should be further investigated by a suitable expert. Where existing trees / structures are to be retained they should be subject to a full specialist inspection for safety. All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings. A suitable method of foundation is to be provided to accommodate the proposed tree planting. Residential & Commercial Engineering Limited do not accept any responsibility for any losses (financial or otherwise) to any Client or third party arising out of the Clients (be it Developer or Contractor but not limited thereto) non-compliance with afore mentioned provisos. c. This drawing is the property of Residential & Commercial Engineering Limited and may not be copied or used for any purpose other than that for which it is supplied without the express written authority of Residential & Commercial Engineering Limited.

**Notes:**

- PRELIMINARY SUBJECT TO NECESSARY LA APPROVALS**
1. ALL DIMENSION IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
  2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DESIGN DRAWINGS AND OTHER INFORMATION.
  3. ALL SEWERS ARE TO COMPLY WITH SEWERS FOR ADOPTION 6TH EDITION AND SEVERN TRENT WATER REQUIREMENTS.
  4. REINFORCED TO BE DESIGNED BY CLIENTS STRUCTURAL ENGINEER - REFER TO STRUCTURAL ENGINEERS DRAWINGS.
  5. ALL WALL DIMENSION SHOWN ARE SUBJECT TO DETAILED DESIGN BY CLIENTS STRUCTURAL ENGINEER.
  6. THE AREA HAS A HIGH GROUND WATER LEVEL, HENCE THE CONTRACTOR HAS TO TAKE ALL NECESSARY MEASURES TO DEAL WITH SUCH GROUND WATER BOTH AT SURFACE AND BELOW SURFACE DURING THE CONSTRUCTION OF THE DRAINAGE NETWORK.
  7. ALL JOINTS BETWEEN PIPES AND CONCRETE SHALL BE WATER TIGHT.
  8. ROCKER PIPES SHALL BE 600mm IN LENGTH OR 1.5 X D, WHICHEVER IS GREATER.
  9. ANY BANK STABILISATION METHODS REQUIRED FOR BALANCING POND, TO BE ASSESSED BY STRUCTURAL ENGINEER.
  10. ALL REINFORCED CONCRETE EDGES TO BE FINISHED WITH A 25 X 25 FILLET.
  11. MINIMUM COVER TO REINFORCEMENT IN THE TOP FACE OF THE BASE SLAB TO BE 40.
  12. AN OUTLET GRILL MUST BE PROVIDED ON ALL OUTFALLS WHERE THE PIPE SIZE EXCEEDS 450MM, WHERE PIPE DIAMETERS ARE 375 TO 450, 200 DIA. STAINLESS STEEL BARS ARE TO BE PROVIDED ACROSS OUTLET AT A MAXIMUM 10MM G.C. LEAVING 100MM MAXIMUM CLEAR OPENING.
  13. WHERE OUTLETS HAVE A FLAP VALVE, A SPECIAL DETAILED GRILL MUST BE PROVIDED ON ALL OUTLETS 375MM DIAMETER AND ABOVE.
  14. SECURE HANDRAILING SHALL BE SUPPLIED WHERE A PERSON MAY FALL 2 METRES OR MORE OR WHERE A FALL OF LESS THAN 2 METRES CARRIES AN INCREASED RISK OF INJURY DUE TO THE LOADING SURFACE.

Rev	Description	Date	Drawn	Check
A	Headwall type changed to informal stone pitching type.	18.09.17	SM	#

**Revisions:**

**Lioncourt Homes**  
**RACE**  
 RESIDENTIAL & COMMERCIAL ENGINEERING

**Drawing Status:**  
 Subject to the following approvals:  
 S1 - Subject to Technical Approval from Staffordshire CC, Highways  
 S104 - Subject to Technical Approval from Severn Trent Water  
 S108 - Developer to complete application/approval with STW  
 Consent to Discharge - Developer to complete application/approval with SCC Land Drainage Team

**Client:**  
 Lioncourt Homes

**Project:**  
 Tattenhill Lane, Branston

**Title:**  
 HEADWALL CONSTRUCTION DETAILS

**Job Number:** RACE/LCH/TLB  
**Drawing No.:** ENG\_270  
**Revision:** A

**Scale:** 1:25 @ A1  
**Date:** June '17  
**Drawn by:** JL  
**Checked by:** SM

**Contact us:**  
 Residential & Commercial Engineering Ltd,  
 Unit 17, Lakeside Business Park, Walkmill Lane, Cannock, WS11 0XE.  
 Tel : 01922 411552