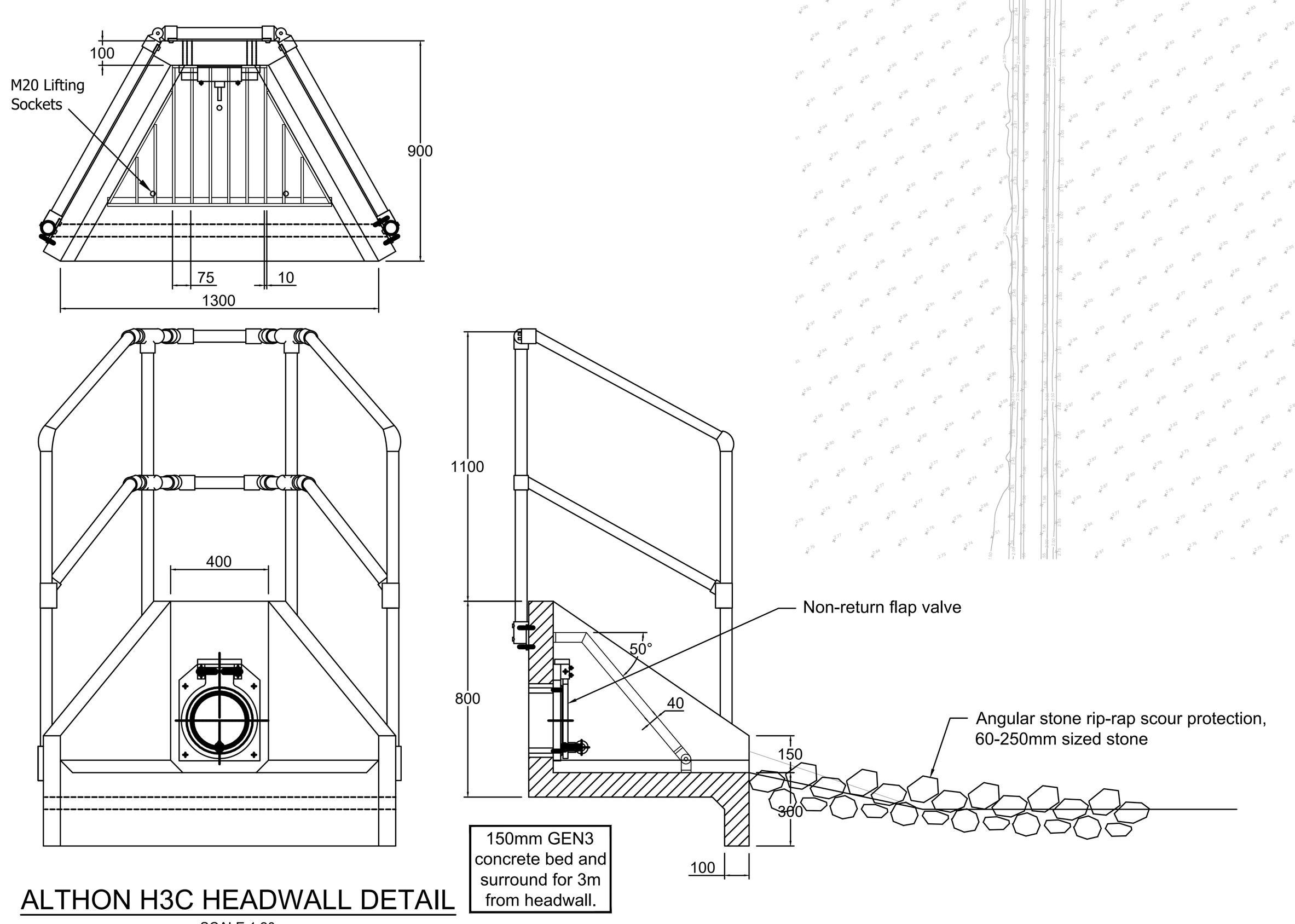
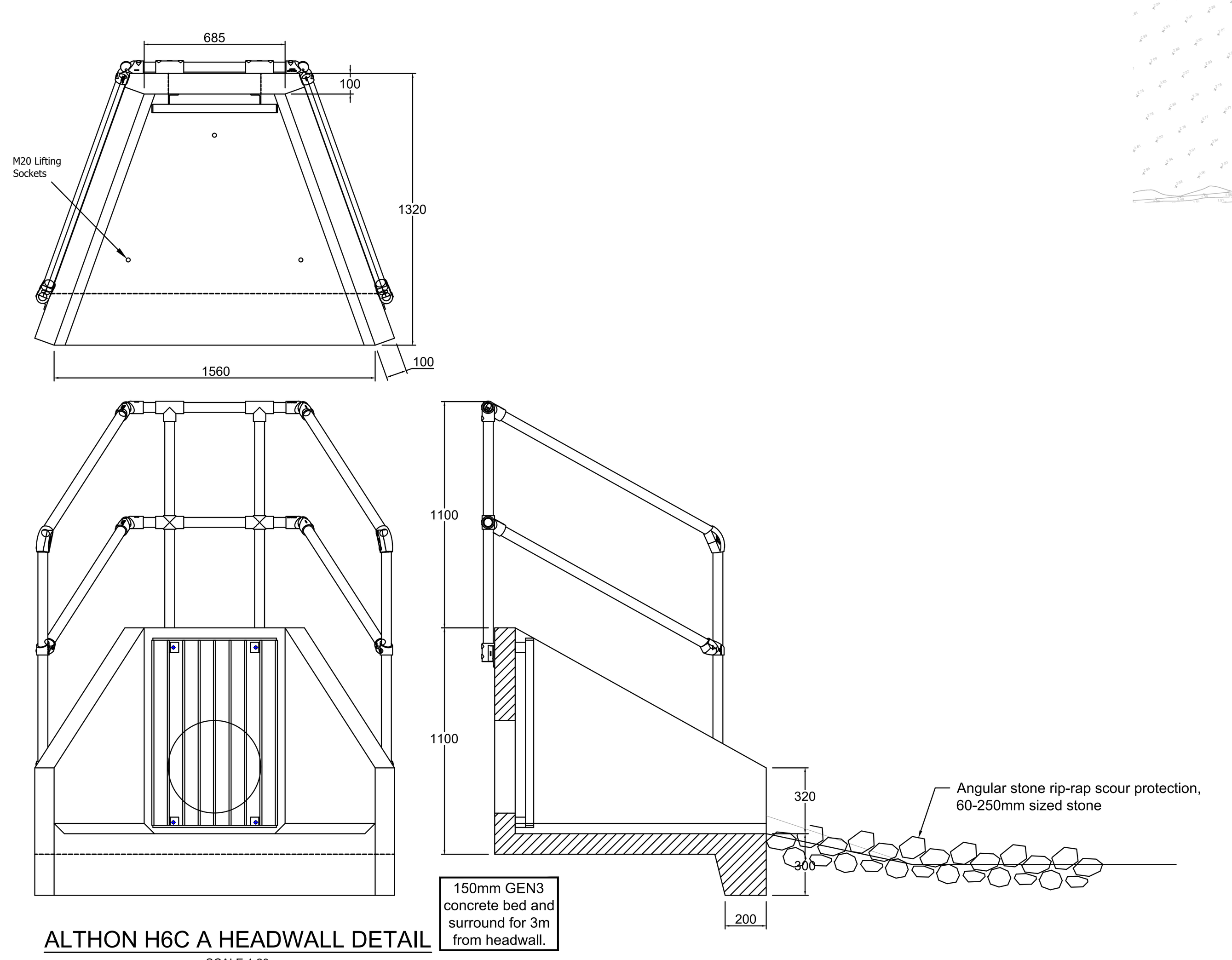


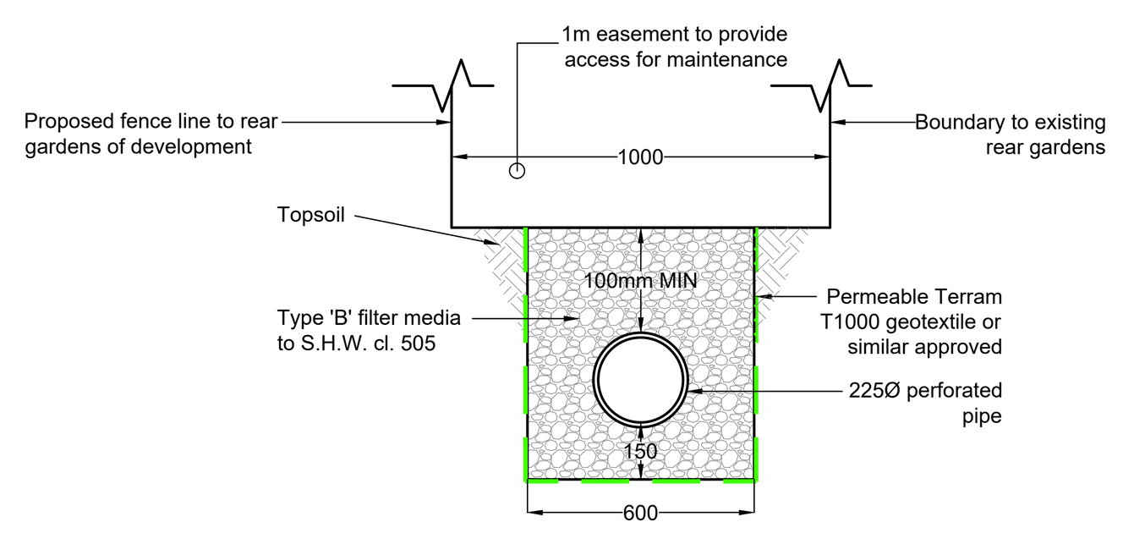
ALTHON H3C HEADWALL DETAIL

SCALE 1:20



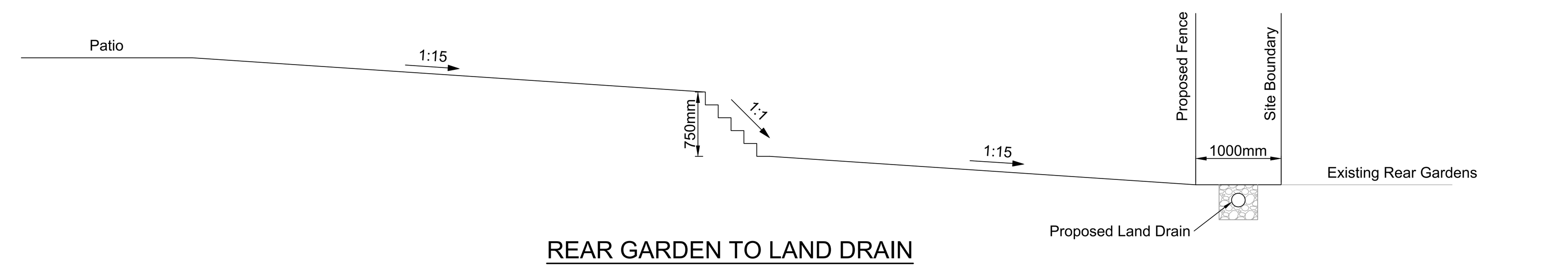
ALTHON H6C A HEADWALL DETAIL

SCALE 1:20



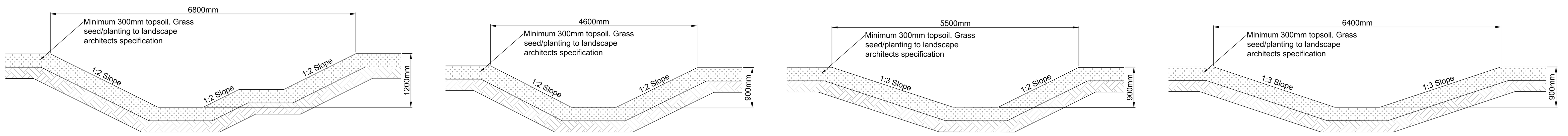
LAND DRAIN TYPICAL DETAIL

SCALE 1:20



REAR GARDEN TO LAND DRAIN TYPICAL SECTION

SCALE 1:50



Ditch A Typical Section
Scale 1:50

Ditch A Overflow North Typical Section
Scale 1:50

Ditch A Overflow South Typical Section
Scale 1:50

Ditch B Typical Section
Scale 1:50

GENERAL NOTES

1. Do not scale this drawing. If in doubt, ask.
2. This drawing is to be read in conjunction with all other relevant Engineers, Architects and specialist design drawings and details.
3. All dimensions are in metres unless noted otherwise. All levels are in metres unless noted otherwise.
4. Any discrepancies noted on site are to be reported to the Engineer immediately.
5. Sewers shall be constructed to the satisfaction of Southern Water and in accordance with Appendix C of the UK Water Sewerage Sector Guidance "Design and Construction Guidance" 2020.
6. All clauses referenced relate to Appendix C of the UK Water Sewerage Sector Guidance "Design and Construction Guidance" 2020, unless noted otherwise.
7. The Contractor shall check all tie-ins for line and level with existing at least 3 weeks prior to the commencement of any works. The Engineer shall be notified immediately in writing, should any errors be found.
8. It is the responsibility of the Contractor to locate any service apparatus in the vicinity of the works.
9. It is the responsibility of the Contractor to execute the works at all times in strict accordance with the requirements of the Health And Safety At Work Act 1974, and the C.D.M. Regulations 2015. The Contractor will be deemed to have allowed for full compliance, including full liaison with the Principal Designer, within his rates.
10. The Contractor is responsible for ensuring that all works are to the satisfaction of the site Engineer, and shall be deemed to have included within his rates for any necessary testing.
11. The Contractor will be responsible for providing all necessary de-watering and trench support to execute the works in a satisfactory manner, and shall be deemed to have allowed for the same within his rates.
12. All buried concrete products and mortar shall be made using sulphate resisting cement.
13. All pipes 225mm dia or less shall be Extra Strength Vitrified Clay. Pipe joints shall be spigot and socket joints. Sleeve type joints will not be permitted. 300mm and above to be class 120 concrete.
14. All pipes shall be laid with soffits level unless stated otherwise.
15. Design subject to approval by KCC and SW.
16. Where FW crosses above SW the pipe trench to be lined with1,000 gauge impermeable membrane to eliminate any chances of cross contamination.
17. Infill covers and frames within block paved areas are not to be used.
18. Easements at any change of width should be 3.0m either side of pipes up to Ø375mm, and 3.5m either side of pipes greater than Ø375mm.
19. All manhole covers to be in accordance with the BS EN 124. Class D400 and embossed FW or SW as appropriate.
20. All manhole covers and frames to be kitemarked.
21. Protective concrete cover slabs to be used on pipes in non-trafficked areas which don't achieve 900mm cover and in trafficked areas that don't achieve 1200mm cover.
22. Precast concrete manhole rings are not to be cut under any circumstances.
23. All proposed landscaping and tree planting adjacent to sewers shall be in accordance with clauses B5.1.10 and B7.6.

KEY

- Development Boundary
- Proposed IDB Culvert
- Existing Drainage
- Perforated Land Drain
- Ø100 / Ø150mm Storm Water Drain (Ø100mm pipework unless otherwise shown)
- Ø600mm Storm Water Inspection Chamber (Maximum Depth 3.0m & Non-man entry required for depths > 1.2m)
- re99.500 — Sealed Rodding Eye
- Overland Flow Route
- 1m Easement for maintenance of Land Drain
- 1 — **Proposed Overflow & Alternate Ditch Route**
  Proposed ditch linked to reprofiled ditch to accommodate overflow route through development in the event of surcharging to reprofiled ditch to the north.
- 2 — **Flood Compensation Zone**
  Levels lowered locally to provide a minimum of 1,914m³ additional flood storage. This volume has been based on Herrington Consulting Limited Flood Risk Assessment.
- 3 — **Non-Return Valve**
  Althon H3C Headwall or similar approved to be fitted with Non-return flap valve
- 4 — **Land Drain**
  Proposed Ø225mm perforated pipe to be installed in 600mm wide gravel filled trench. Plot fencing to be set-back from development boundary to provide 1m access for maintenance of land drain.
- 5 — **Western Ditch Culvert**
  Althon H6C A Headwall or similar approved to 450Ø culverted section of western ditch

Health and safety symbols refer to reference numbers indicated on Designers Risk Assessment number: 21184-RLL-22-XX-HS-C-001

Health & Safety Information Key

- Used to provide design specific safety information that may not be obvious to a competent contractor but may be useful
- Used to restrict/prevent a possible action, e.g. stop construction traffic from entering an area
- Used to warn of significant design hazards, adding recommendations
- Used to encourage a positive action, e.g. use of robust protection for inspection chambers

Rev	Date	Amendments	By	Chk
G	24.05.22	Land drain amended adjacent Plot 34. Western ditch amended	LH	NMF
F	20.05.22	Land drain amended	LH	NMF
E	19.05.22	Land drain added adjacent Plot 1	LH	NMF
D	19.05.22	Land drain amended & detail added. IDB Culvert updated.	LH	NMF
C	13.04.22	Footpaths through POS adjacent to Ditch A updated to reflect amended Architect's layout.	BRM	MJA
B	07.04.22	Footprint of attenuation updated as requested by the Architect.	BRM	MJA
A	06.04.22	FFLs added and attenuation storage shaping updated as requested by L&G 04.04.22.	BRM	MJA

RLRE Consulting Engineers
St James House • Mansfield Road • Derby • DE1 3TQ • Tel: 01332 285000 • www.rodgersleask.co.uk

Client

LEGAL AND GENERAL MODULAR HOMES

Project

VICTORIA ROAD WEST, LITTLESTONE, KENT

Drawing Title

OVERLAND FLOW ROUTING

Status

PLANNING

Scale	Drawn	Checked	Date
1:500 @ A0	BRM	NMF	31.03.22

Drawing Number	Revision
0058-RLL-00-XX-DR-C-1015	G

Scale Bar

1:500 10 20 30