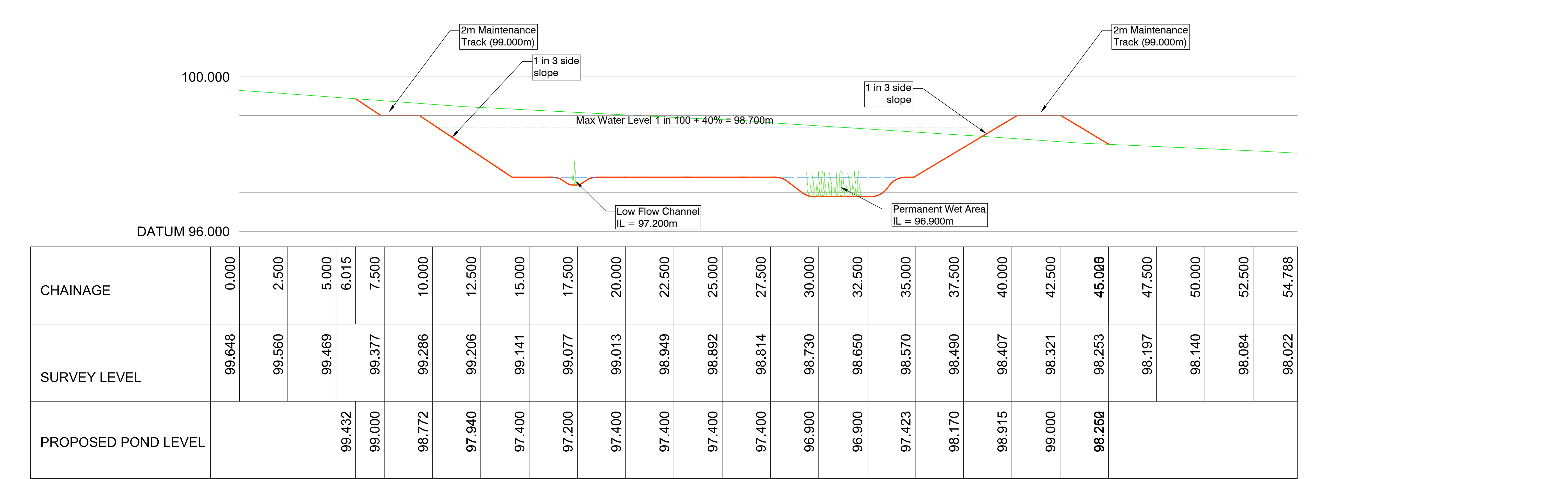
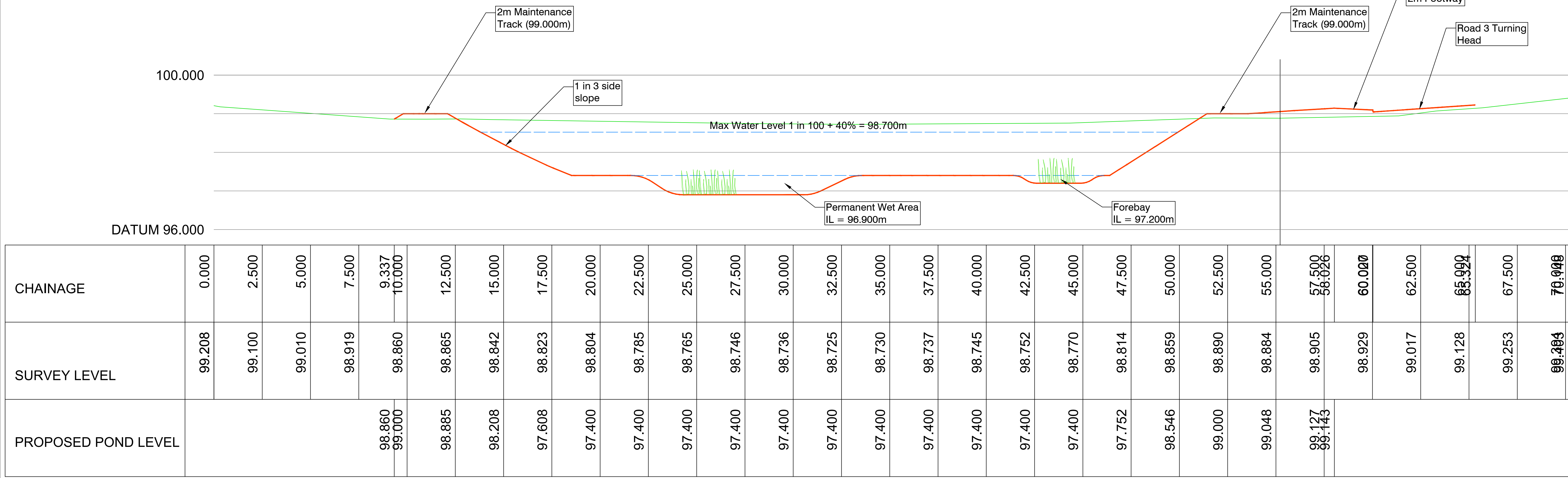
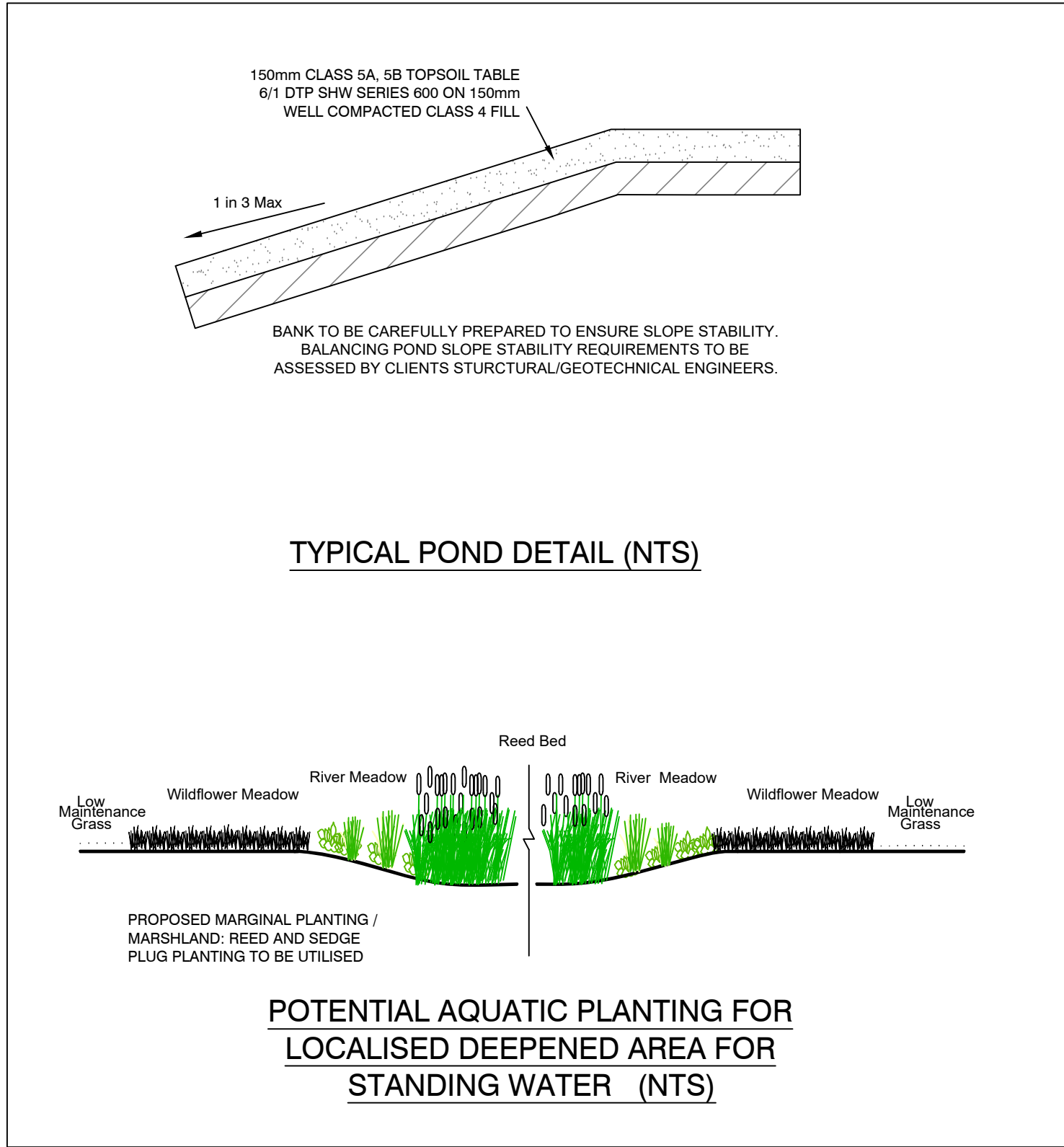
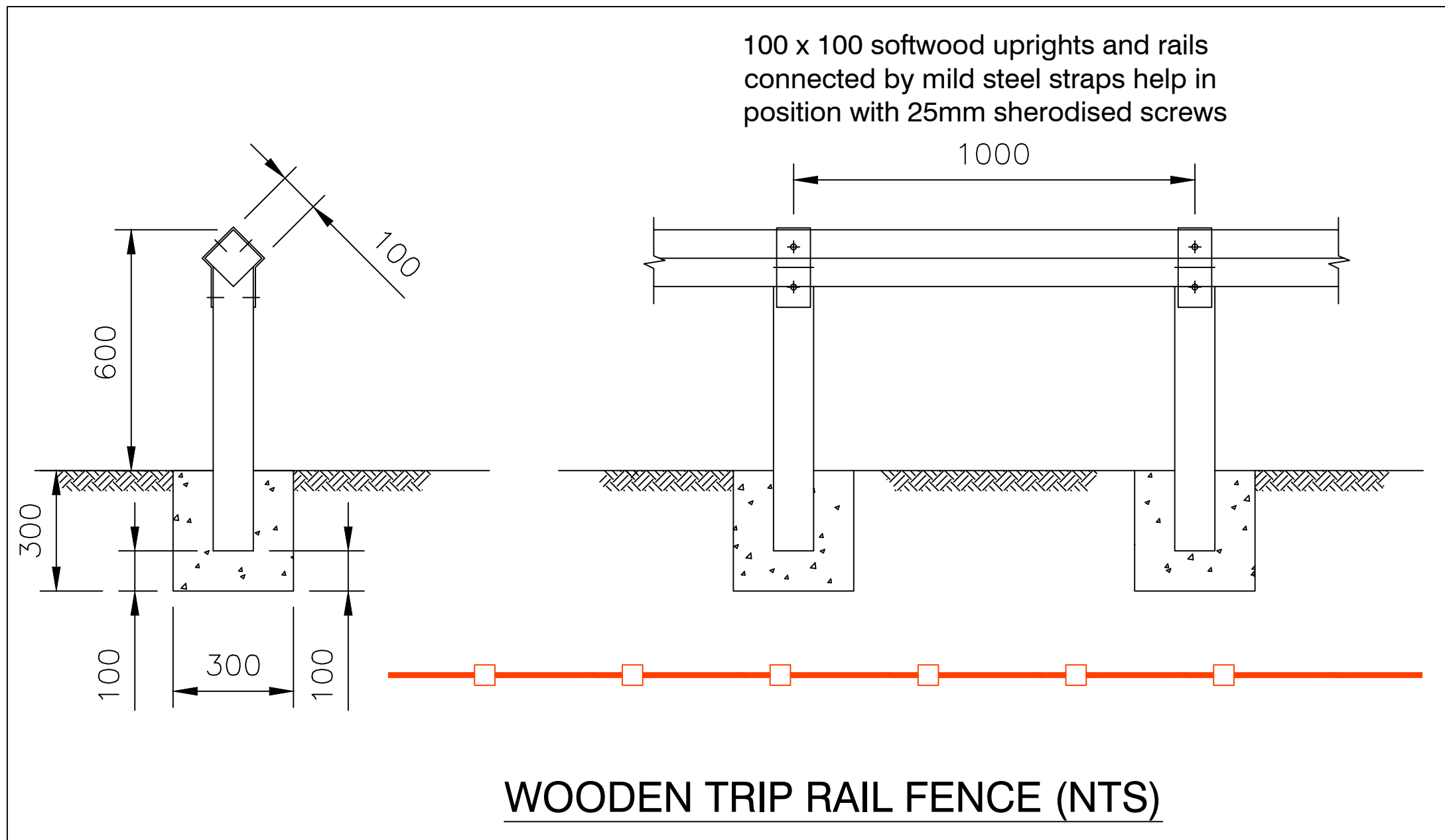




SECTION A-A



SECTION B-B



Notes

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Drawings must not be scaled. Work to figured dimensions only

- Due to a change in legislation on 1st October 2011, there could be formally private sewers which have transferred over to the responsibility of the Sewerage Undertaker. If such sewers are located on site during construction works, please contact the Engineer and Harris so that a Section 185 Agreement can be prepared to divert these sewers.
- Any survey information used in the preparation of this drawing is not warranted. The contractor shall check all dimensions and levels on site.
- This drawing shall be used in conjunction with the site investigation report. Before work commences contractor should consult the engineer and the SR report regarding any contamination issues. All necessary health and safety measures to be taken.
- Before work commences, the contractor shall liaise with all Statutory Authorities to determine the exact location of all apparatus and take all precautions deemed necessary to locate, protect and where necessary divert such requirement.
- This drawing is subject to approval by Local Authority, Building Control, Sewerage Undertaker and the Environment Agency. Any works undertaken prior to the granting of these approvals is carried out at risk of offence.
- Should any surplus excavated material require disposal off site, it should be taken to a legally licensed landfill site.
- The contractor shall check all dimensions and levels on site.
- Setting out to be confirmed by the Architect.
- Prior to commencing work on the drainage, all existing drains, sewers, manholes and culverts by means shall be located, identified and a CCTV condition survey carried out. Where necessary, protection to the existing drainage infrastructure shall be provided.
- All existing sewers and manholes abandoned due to the proposed works are to be either removed, and suitably backfilled or grouted in.
- All acceptable drainage works shall be completed in accordance with the WfE publication Design and Construction Guidance for Foul and Surface Water Sewers (DCG) and the Water Authority's guidance.
- Private drainage in accordance with the Building regulations Part H and BS EN 752.
- All existing drainage levels, diameters & locations need to be checked on site prior to any drainage works, and any discrepancies need to be reported back to the Engineer.
- Cover levels for manholes are approximate only and should be adjusted to match surrounding levels.
- All manhole and drainage covers shall comply with BS EN 124. Manhole covers within stock paved areas and buildings shall be recessed. Cover strengths to be Class D400 in areas of heavy loading.
- Class D400 in heavy traffic lane areas (roads, service yards).
- Class C500 Light traffic areas (car parks).
- Class B125 in landscape and non trafficked areas (min. 100mm dip frame).
- Drainage pipes 150mm Ø unless stated otherwise.
- Pipes to be - Verified clay to BS EN 286 or Concrete to BS 5911 or UPVC pipes to BS EN 1402 or Thermoplastic Structural wall pipes complying with BS 5911.
- BS 5911 identified. Class B125 nominal short term ring stiffness.
- All pipes to be laid with 1 in 3 side slope, unless noted otherwise.
- Where cover to pipes is less than 1200mm under carriageway - concrete bed and surround or concrete protection slab is required.
- All pipes beneath buildings to be B45 concrete. Where cover is less than 300mm the concrete to be cast integrally with the floor slab.
- Pipes penetrating floors.
- As opening is to be formed through walls to give pipes at least 50mm clearance all round. Backfilling work shall be supported by a limit. Opening to be marked each side with rigid steel material.
- Pipes embedded in walls shall have joints formed within 150mm of either wall face. Adjacent rock rock pipes of max 600mm length with feasible joints shall continue the pipeline.
- Pipe runs near Buildings.
- If a trench is within 1m of a building it shall be filled with concrete up to the lowest level of the adjacent foundation. If a trench is greater than 1m from a building the trench shall be filled with concrete up to a level below the building equal to the distance from the building less 150mm.
- Ventilation shall be provided at the head of the foul drainage runs.
- Pipe setting out of top and base line earthworks works.
- Threatened drainage is required where levels fall towards a building entrance. Archimedean to confirm if not required.
- Yard Gully positions are indicative, should be adjusted on site to suit levels.
- All gully positions to suit the points and to be trapped.
- Pipe gully shall be trapped 4500 x 900mm deep with Class D 400 frame and grating to BS EN 124.
- Drainage channel detailed design to be undertaken by manufacturers. Alternative channels may be used, subject to Engineer approval.
- All concrete to drainage manholes base, surrounds etc to be in accordance with the BRE Special Digest 1 - Concrete in aggressive ground. Refer to the investigation report for material requirements.
- All manholes, pipe trenches etc. to be backfilled with imported granular fill to Class 4/5 (Capping material to BS 5911 Table B1 & compacted in accordance with Table 6.4).
- All pipelines shall be tested both before and after backfilling, using either air test or water test in accordance with BS EN 1610.
- Demarcation manholes and lateral drains need All acceptable drainage work shall be constructed in accordance with the WfE publication Design and Construction Guidance for Foul and Surface Water Sewers (DCG) and the Water Authority's guidance.
- Requirement for Land Drains to be assessed on site by the Site Manager.

A		28.03.2025	Basin construction detail amended in line with Client instruction	AJM
REV	DATE	AMENDMENT		BY
M&H MUCKLOW & HARRIS CONSULTING CIVIL & STRUCTURAL ENGINEERS 8 Ardent Court, William James Way, Hesley-in-Arden, B65 5CF t: 0121 771 0848 e: info@mucklowandharris.co.uk w: www.mucklowandharris.co.uk				
DRAWING STATUS: COMMENT / APPROVAL				
CLIENT				
Vistry Partnerships				
PROJECT				
Leicester Road, Earl Shilton				
TITLE				
Basin 1 Construction Details				
DATE		DRAWN		
19.03.2025		AJM		
SCALE		SIZE		CHECKED
As Shown		A0		DJH
DRAWING NUMBER				REVISION
22071-114.1				A