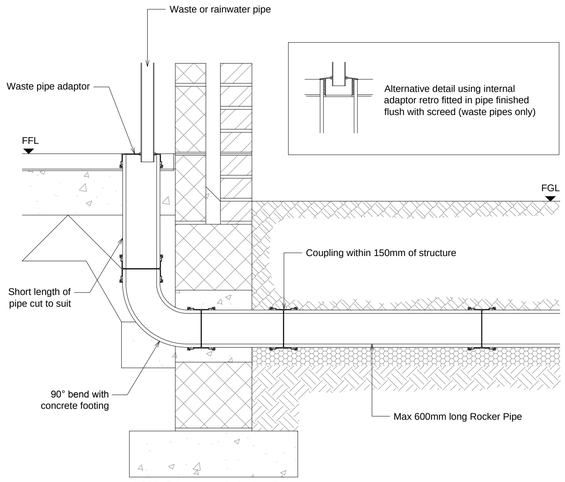
Typical Internal Waste Pipe Connection Detail

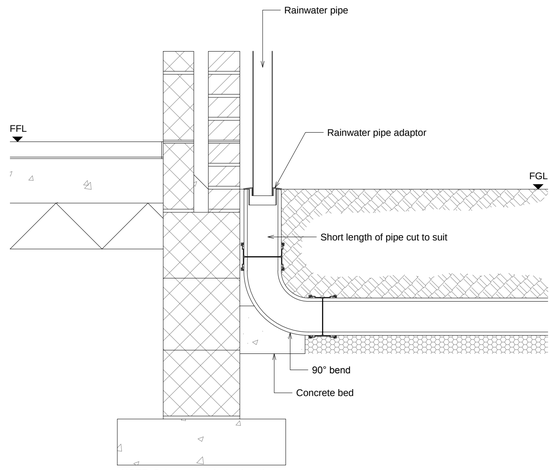
scale 1:10



NOTE: Substructure design by others.

Typical External Rainwater Pipe Connection Detail

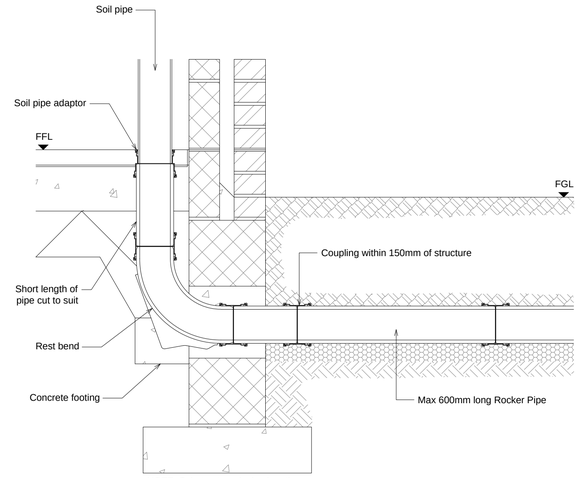
scale 1:10



NOTE: Substructure design by others.

Typical Soil Vent Pipe / Stub Stack Connection Detail

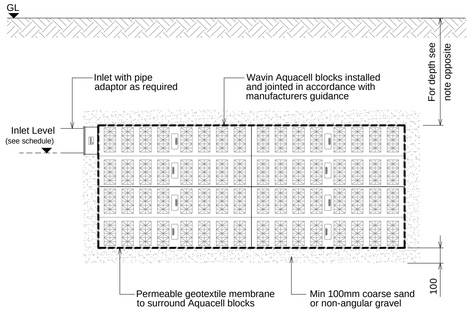
scale 1:10



NOTE: Substructure design by others.

Typical Section: Cellular Soakaway *(Aquacell)*

scale 1:20



See manufacturers literature for details of block arrangement / fixing and selection.

As strength varies between block models, the contractor is to consult the manufacturer to ascertain the correct block selection for each installation.

NOTE: Minimum cover depths. (Guidance Only)

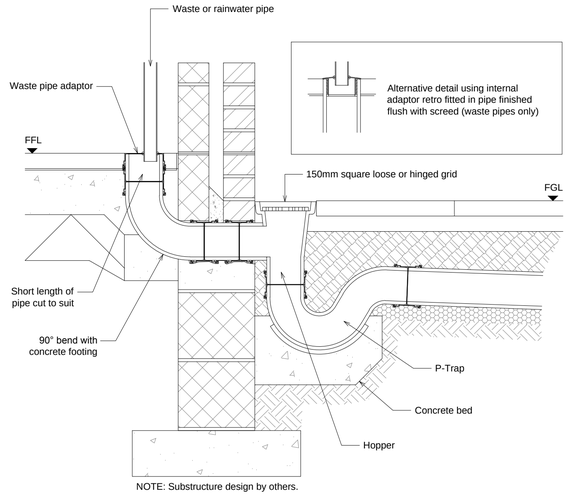
- Heavy vehicle loading (i.e. large vehicles)
  Cover to be not less than 1200mm.
- Light vehicle loading (i.e. parked cars)
  Cover to be not less than 800mm.
- Non trafficked areas:
  Cover to be not less than 600mm

Aquacell Installation Notes: (Contractor to consult manufacturers literature for full details)

1. Excavate the trench to the required depth ensuring that the plan area is slightly greater than that of the AquaCell units.
2. Lay 100mm bed of coarse sand or non angular granular material, level and compact.
3. Lay the geotextile membrane over the base and up the sides of the trench.
4. Lay the AquaCell units parallel with each other. In multiple layer applications, wherever possible, continuous vertical joints should be avoided. AquaCell units can be laid in a 'brick bonded' formation (i.e. to overlap the joints below) For single layer applications use AquaCell Clips and for multi layers use AquaCell Clips and AquaCell Shear Connectors (vertical rods).
5. Fix the pipe adaptors to the AquaCell units as required to suit the incoming pipework.
6. In order to prevent silt from entering the tank, clogging the inlet pipework and reducing the storage capacity, it is recommended that a silt trap / catchpit is installed upstream of the tank inlet.
7. Wrap and overlap the geotextile covering the entire AquaCell structure, minimum lap to be in the order of 300mm.
8. Lay 100mm of coarse sand or non angular granular material between the trench walls and the AquaCell structure and compact being careful not to damage either the blocks or the geotextile membrane.
9. Lay 100mm of coarse sand or non angular granular material over the geotextile and compact.
10. Backfill tank with suitable clean material, free of organic matter and debris.

Typical Horizontal Inlet Trapped Gully Detail

scale 1:10



NOTE: Substructure design by others.

DRAINAGE NOTES

- The location of any existing drains and sewers are to be accurately located and reported prior to any work commencing on site.
- All materials, workmanship and construction to be in accordance with the requirements of 'Sewers for Adoption - 7th Edition' and published addendum and corrigendum.
- Channel drains shown are only to collect surface water run-off from hard paved areas and door thresholds and are not intended to collect groundwater or run-off from gardens and landscaped areas.
- All abandoned pipework to be completely removed or grout filled unless stated otherwise.

NOTES

- The Contractor should check all dimensions on site.
- It is the Contractors responsibility to ensure compliance with building regulations and current codes of practice.
- Drawings cannot take into account any drains or underground works not locatable by visual survey of the site.
- Commencement of any building works prior to full building regulation approval is entirely at the clients risk.

Rev	Description	Date
00	First issue to client	03/02/2020

PROJECT
Residential Development rear of
9 Hill Drive, Eastry,
CT13 0DU.

CLIENT
Maplegate Homes Limited

tridax
Design Office, Suite 3, Honeywood House,
Whitfield, Dover, Kent, CT16 3EH
Tel: 01304 820777

DRAWING
Proposed Drainage Details
Sheet 2

SCALES: As Noted | DATE: 03/02/2020 | SIZE: A1

STATUS: **PRELIMINARY**

Dwg No.: **T-2020-011-04** | REV: 00