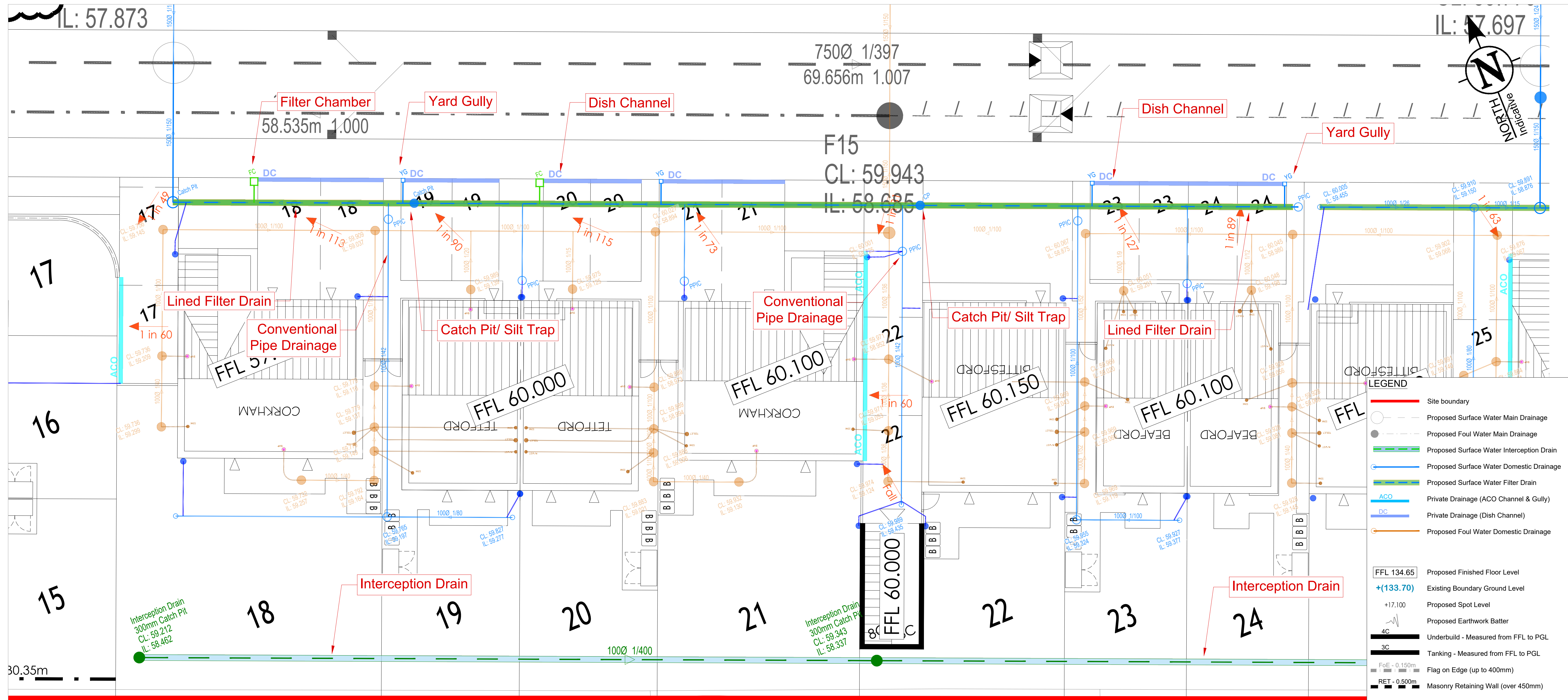




### INTERCEPTION DRAIN DETAIL

Interception drain located to rear of proposed gardens, along site boundary. Designed to intercept surface water runoff from adjacent land and prevent uncontrolled flows entering or leaving the development.

Clean gravel (Type B), broken stone with no fines, graded 75 to 20mm

Geotextile below drive construction or garden [Permeable]

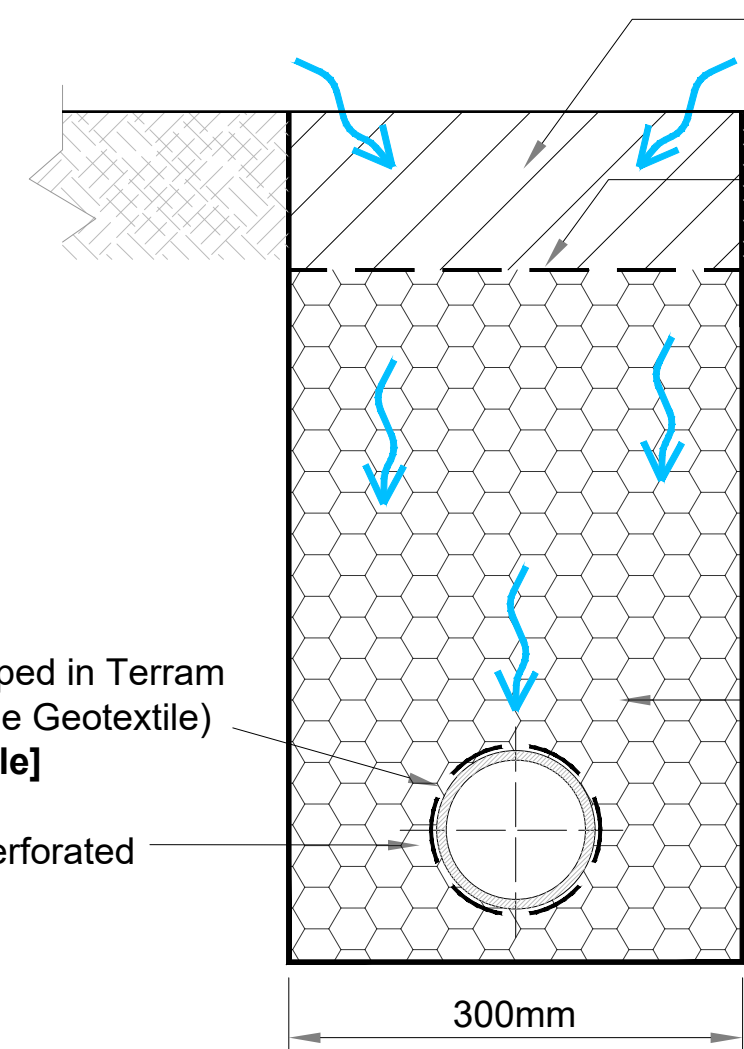
Line trench with Visqueen or similar approved Impermeable membrane. All joints lapped min 300mm [Impermeable]

Clean gravel (Type B), broken stone with no fines, graded 75 to 20mm and compacted in 225mm layers

Invert Level if specified

Pipe wrapped in Terram (Permeable Geotextile) [Permeable]

100mm Perforated Pipe



### FILTER DRAIN DETAIL

Private Drives > Discharge to Dish Channels and runoff to small filter chambers (Granular filled IC that connect to Filter Drain.

Surface Varies - Drives (Impermeable standard construction) - Gardens (300mm Soil with Geotextile)

Geotextile below drive construction or garden [Permeable]

Line trench with Visqueen or similar approved Impermeable membrane. All joints lapped min 300mm [Impermeable]

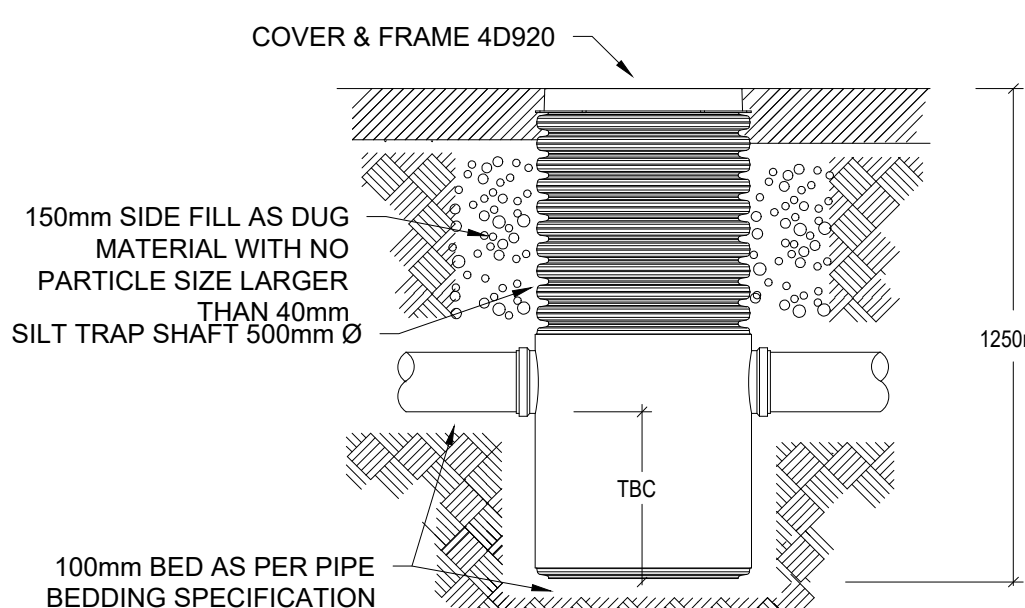
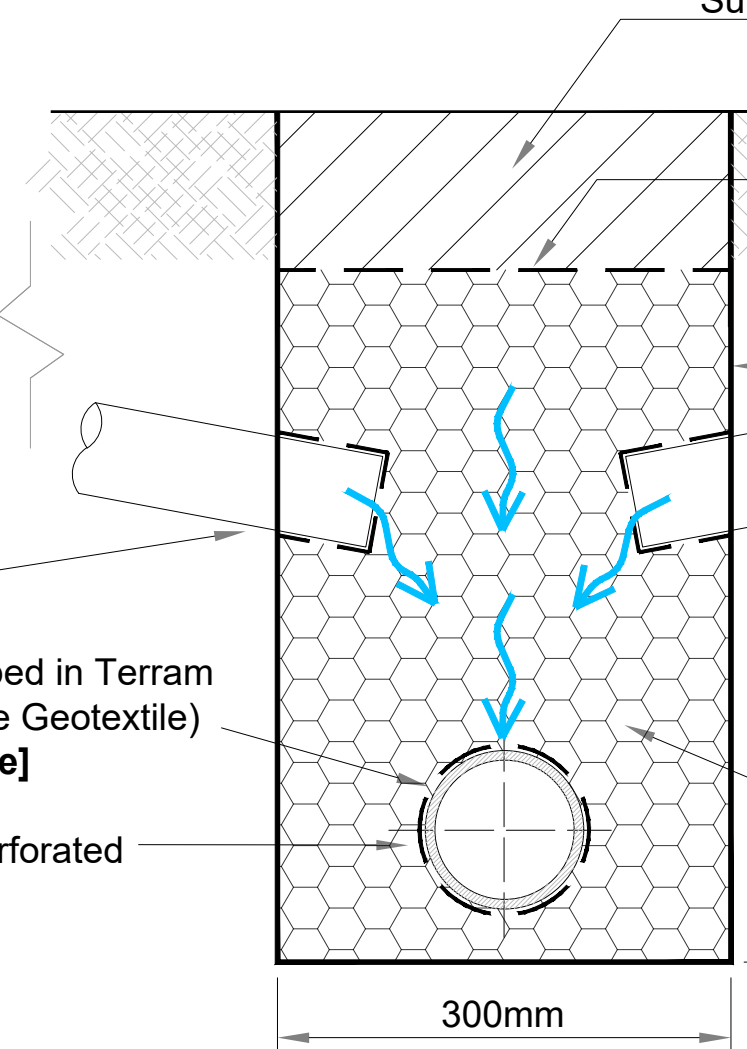
Where Filter Chambers don't use Gully pots and connect direct to the Filter Drain. Pipe end to be wrapped in Geotextile. [Permeable]

Clean gravel (Type B), broken stone with no fines, graded 75 to 20mm and compacted in 225mm layers

Some RWP/Plot Drainage connections direct to the Filter Drain. Pipe end to be wrapped in Geotextile. [Permeable]

Pipe wrapped in Terram (Permeable Geotextile) [Permeable]

100mm Perforated Pipe



PPIC SILT TRP CHAMBER (NON TRAFFICKED AREAS) Scale 1:20

- LEGEND**
- Site boundary
  - Proposed Surface Water Main Drainage
  - Proposed Foul Water Main Drainage
  - Proposed Surface Water Interception Drain
  - Proposed Surface Water Domestic Drainage
  - Proposed Surface Water Filter Drain
  - Private Drainage (ACO Channel & Gully)
  - Private Drainage (Dish Channel)
  - Proposed Foul Water Domestic Drainage
- FFL 134.65 Proposed Finished Floor Level  
+(133.70) Existing Boundary Ground Level  
+17.100 Proposed Spot Level  
Proposed Earthwork Batter  
4C Underbuild - Measured from FFL to PGL  
3C Tanking - Measured from FFL to PGL  
FoE - 0.150m Flag on Edge (up to 400mm)  
RET - 0.500m Masonry Retaining Wall (over 450mm)

P01 20.08.26 Preliminary issue for review CP RDN  
Mark Date Details By Chk

Drawing originator: Revision history

BETTS HYDRO CONSULTING ENGINEERS BETTS ASSOCIATES CONSULTING ENGINEERS BETTS GEO CONSULTING ENGINEERS

Client: **Taylor Wimpey**

Project title: Former Glen Dimplex, Soney Lane, Whiston

Drawing title: Proposed Lined Filter Drain Detail

Scale: for the original size of A1  
Drawn by: CP Checked by: - Passed by: Date: Aug 26  
Drawing status: For Information

Job No: TAY143 Drawing No: xx BET xx xx xx C 0011 Revision: P01

Do not scale this drawing  
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