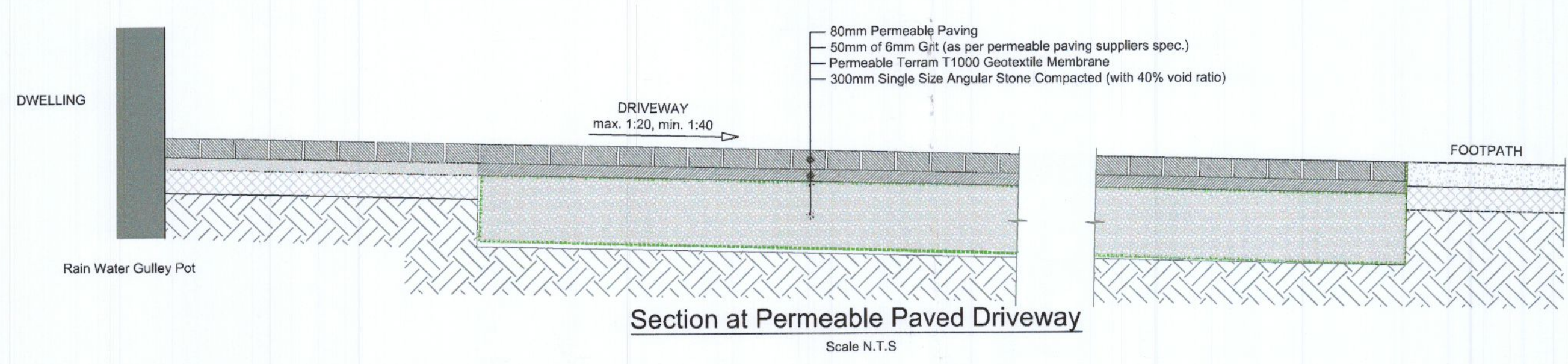


**SURFACE WATER SOAKAWAY**  
 SOAKAWAY DESIGN CONSISTING OF A 4000mm X 1600mm TRENCH EXTENDING 2500mm BELOW GROUND LEVEL STONE FILLED AND DOUBLE LINED WITH A GEOTEXTILE LAYER TO PREVENT INFILTRATION OF FINES. THE INTAKE INVERT OF TO BE AGREED ON SITE NOMINALLY 1000mm BELOW GROUND LEVEL PROVIDES AN EFFECTIVE DEPTH OF 1500mm. THREE 1000mm PERFORATED PRECAST CONCRETE CHAMBERS EVENLY SPACED WITHIN THE TRENCH ACT AS ADDITIONAL STORAGE.

**MANHOLES**  
 SURFACE WATER MANHOLES WITH INTERNAL DIMENSION OF 600mmX600mm CONSTRUCTED IN HIGH DENSITY BLOCKWORK FLUSH POINTED IN ACCORDANCE WITH IS20  
 FOUL MANHOLES WITH INTERNAL DIMENSION OF 600mmX600mm CONSTRUCTED IN HIGH DENSITY BLOCKWORK FLUSH POINTED IN ACCORDANCE WITH IS20 AND LINED INTERNALLY WITH ENGINEERING BRICK TO IS91 TO A HEIGHT OF 1000mm ABOVE BENCHING CONSTRUCTED TO WITHSTAND SULPHATE ATTACK

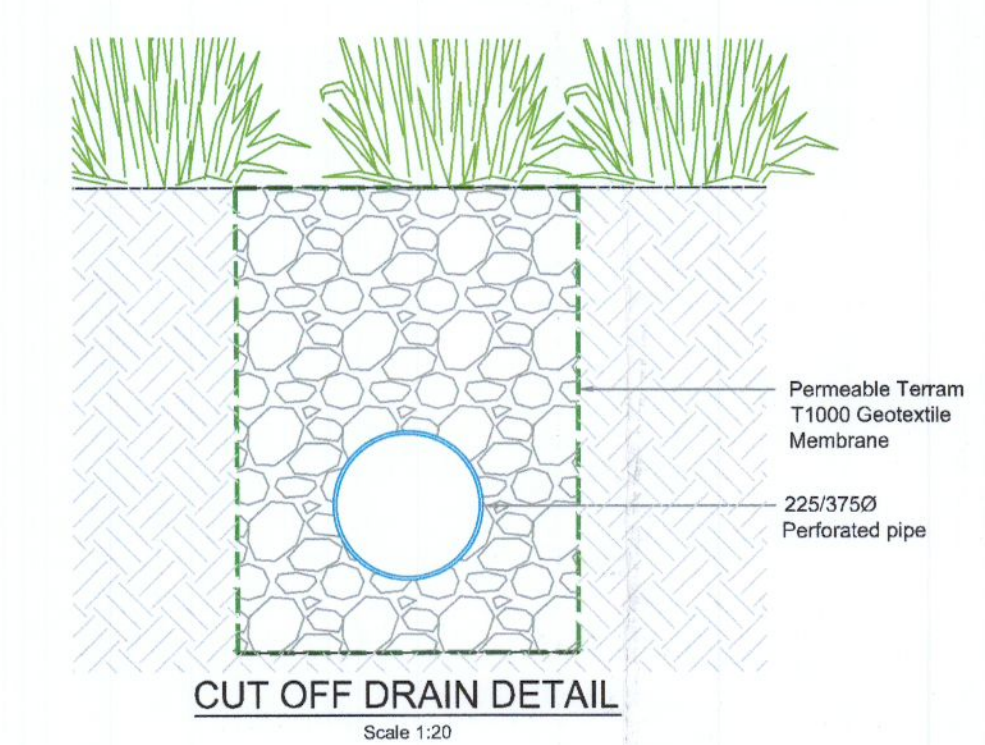
- LEGEND:**
- SITE BOUNDARY
  - IRISH WATER
  - SURFACE WATER
  - FOUL WATER
  - RWB ● PROPOSED RAINWATER BUTT
  - RWP □ RAINWATER PIPE
  - ▨ PERMEABLE PAVING

**DRAINAGE PLAN (PROPOSED)**  
 SCALE 1:150



**Section at Permeable Paved Driveway**  
 Scale N.T.S

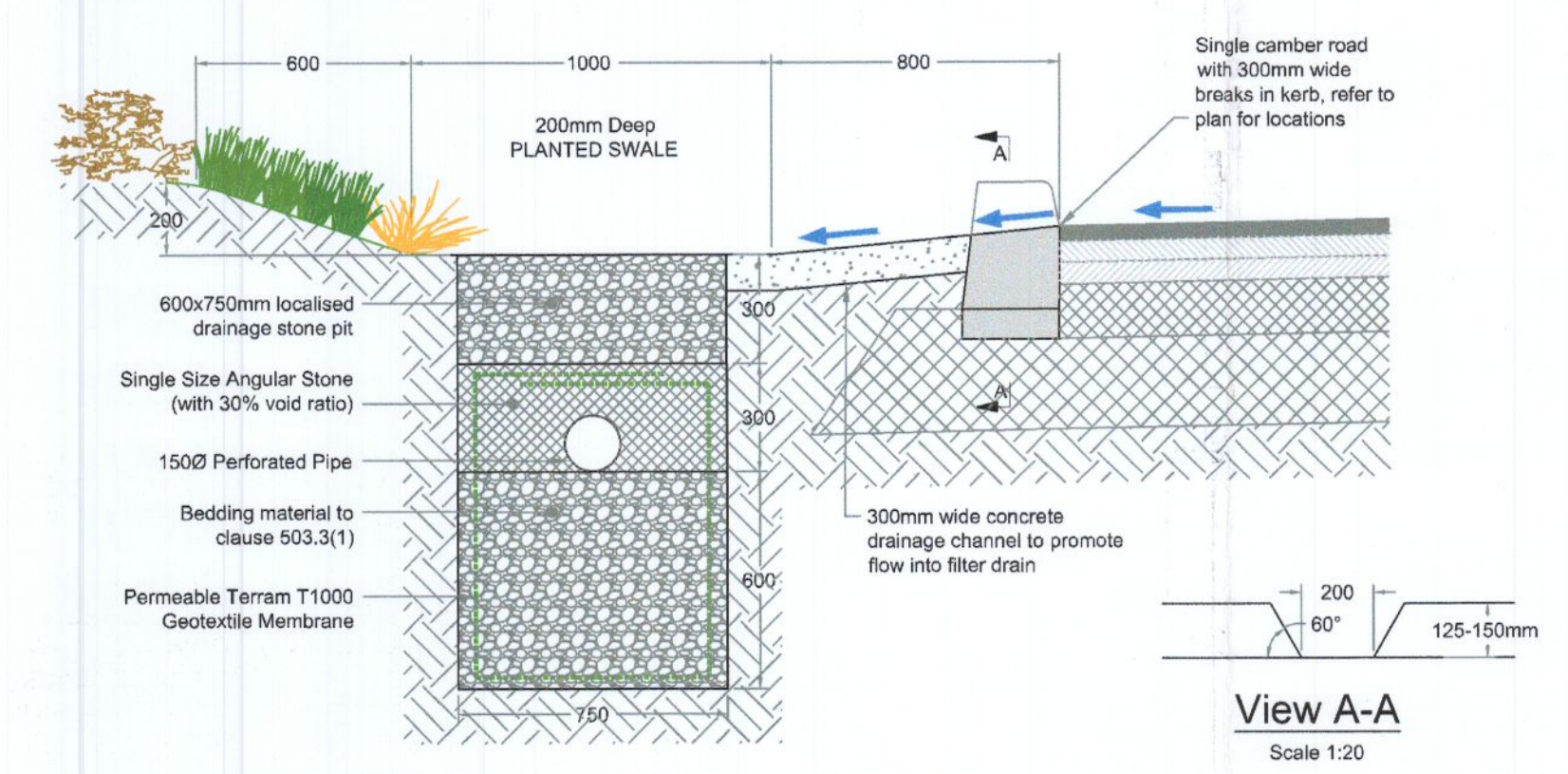
- SPECIFICATIONS**
- External finishes to match existing
  - Gutters and downpipes to match existing
  - Roof finishes to match existing
  - Windows and doors UPVC or wood to match existing



**CUT OFF DRAIN DETAIL**  
 Scale 1:20



**Typical 220 Litre Rainwater Butt**  
 SCALE N.T.S



**Drainage Swale Detail at Broken Kerb Inlet**  
 Scale 1:20

<p><b>NOTES:</b>          Drawings not to be scaled from. Use written dimensions only. Setting out dimensions to be checked against plans. To be used with other drawings and specifications. Any discrepancies in dimensions or specifications to be brought to the attention Architect Engineer Builder. All structures to be confirmed by Engineer. DRAWINGS NOT FOR CONSTRUCTION PURPOSES CHANGES IN MAGENTA</p>	<p>DRAWINGS BY          KEVIN TIERNAN          ARCHITECT SERVICES          19 ARANLEIGH GARDENS          RATHFARNHAM          DUBLIN 14          PH 01 5349272          www.architectservices.ie</p>	<p>CLIENT: Ossie Houghton          56 Dodder Rd Lower, Rathfarnham, Dublin 14, D14 YW98</p>
		<p>THIS DRAWING: Drainage plan          Scale 1 to 150</p> <p>Area: area of entire site 328 sq.m,          area of existing house, incl. garage 135 sq.m          area of new extensions 74 sq.m</p>