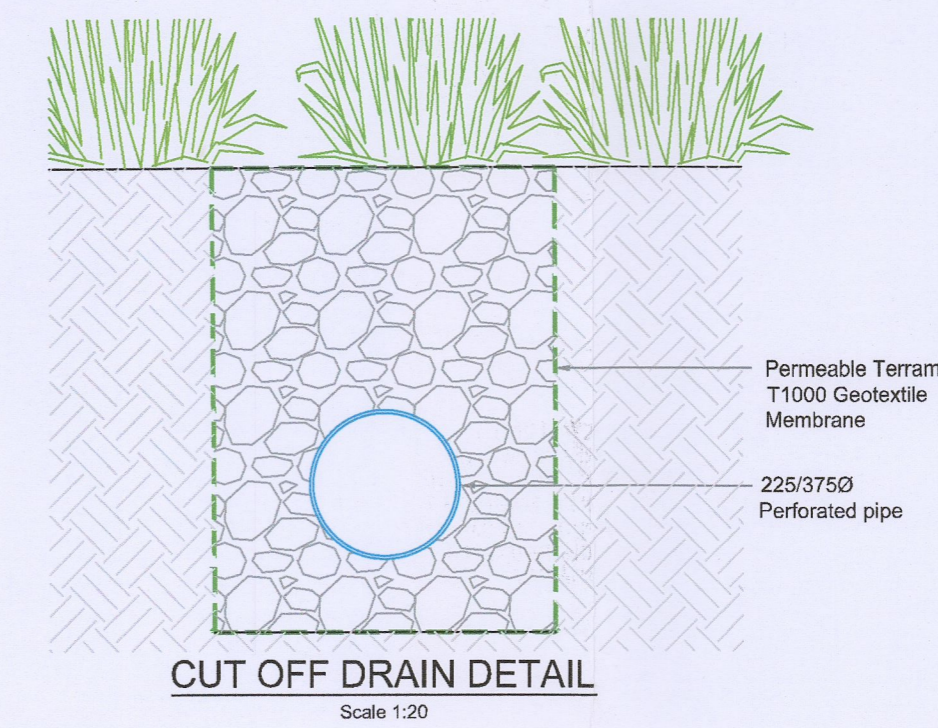


DRAINAGE PLAN (PROPOSED)
SCALE 1:150

SURFACE WATER SOAKAWAY

SOAKAWAY DESIGN CONSISTING OF A 5000mm 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. FOUR 1000mm PERFORATED PRECAST CONCRETE CHAMBERS EVENLY SPACED WITHIN THE TRENCH ACT AS ADDITIONAL STORAGE.



CUT OFF DRAIN DETAIL
Scale 1:20

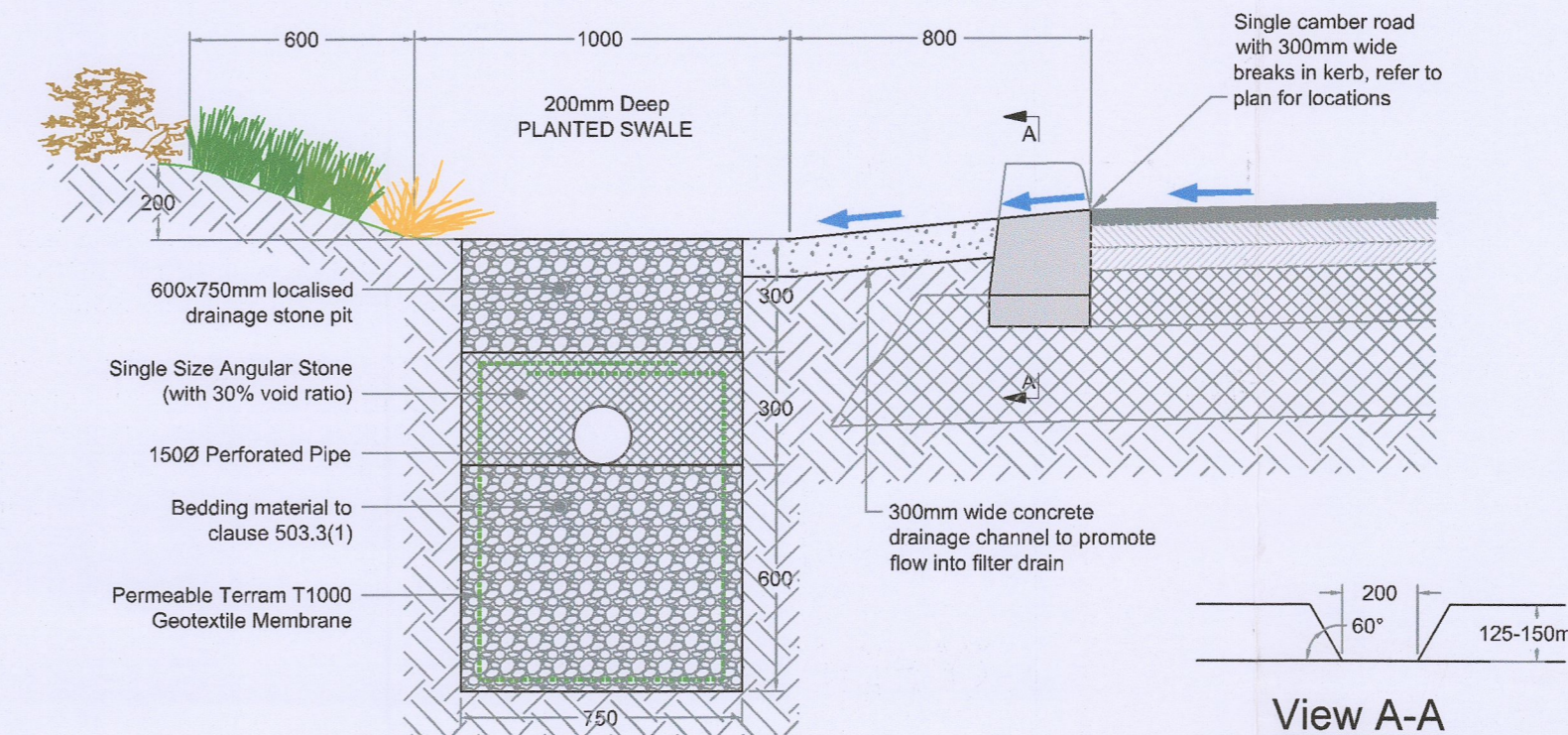
MANHOLES

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

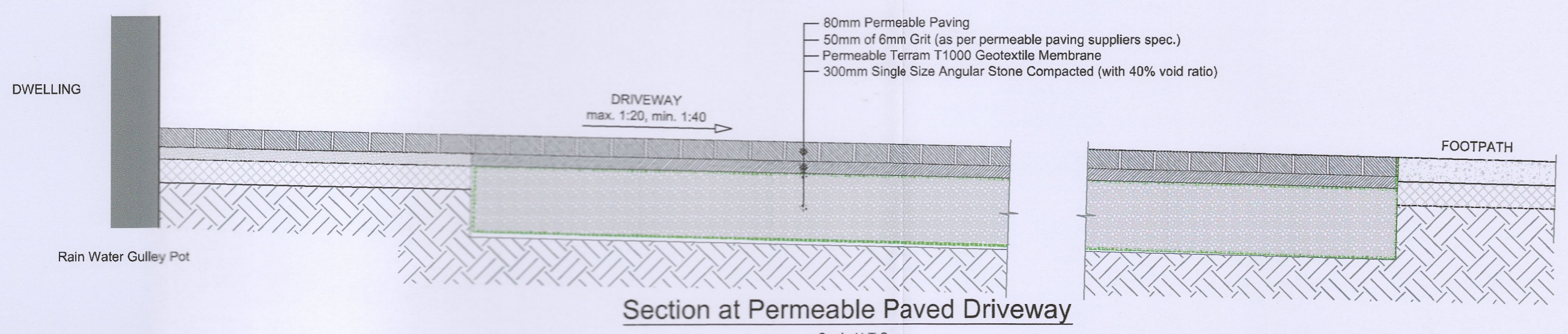
LEGEND:

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

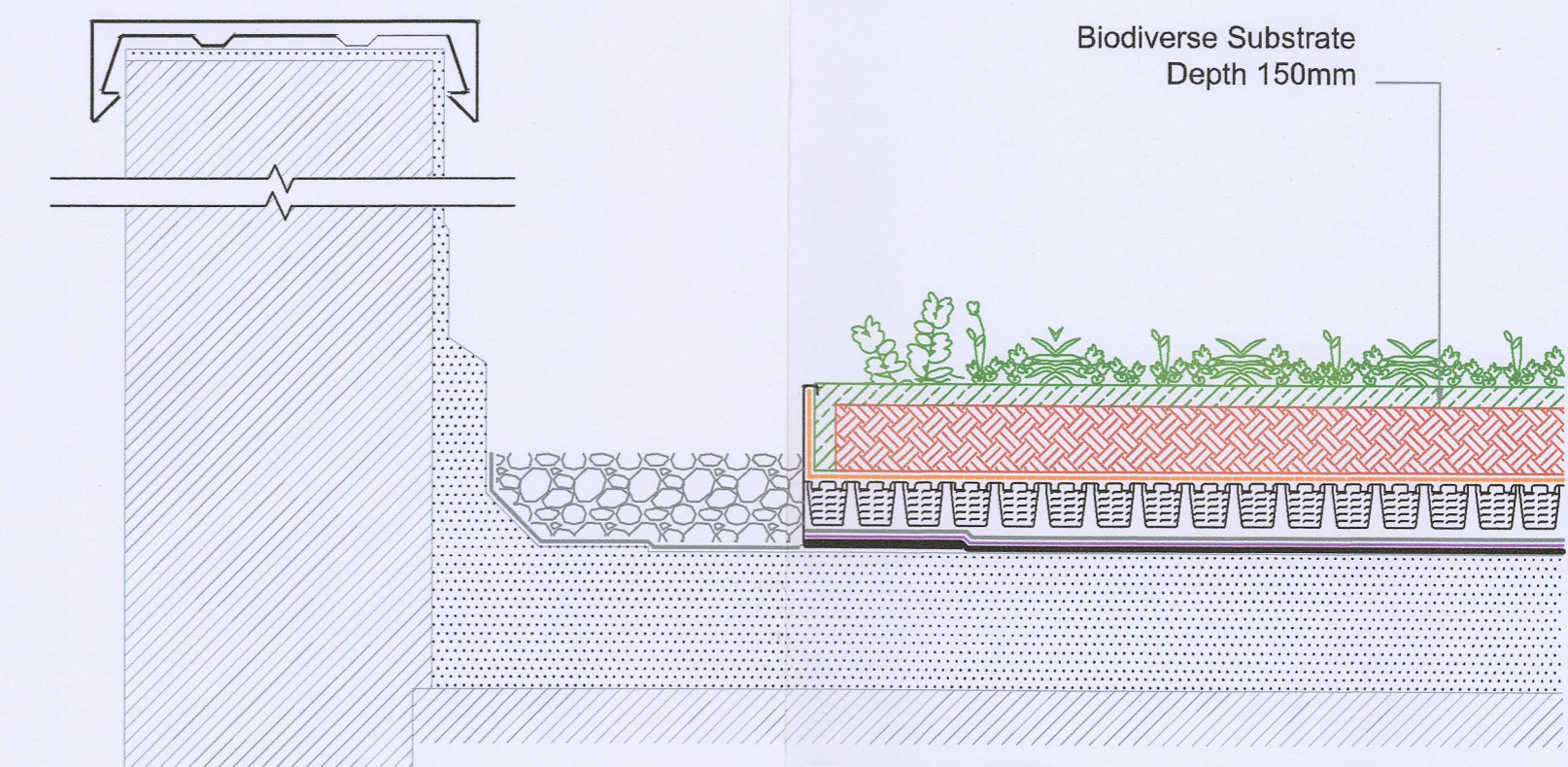


Drainage Swale Detail at Broken Kerb Inlet
Scale 1:20

View A-A
Scale 1:20



Section at Permeable Paved Driveway
Scale N.T.S



Typical Green Roof Details
Scale N.T.S

- Green Roof Key**
- Plug / Seed Mix Planting
 - Extensive / Biodiverse Substrate
 - 80mm Drainage Board
 - Filter Fleece
 - Protection Mat
 - PE Foil
 - Capping Sheet / Membrane
 - Deck / Substrate
 - 80mm Vegetation barrier
 - Drainage trim

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

NOTES:
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

DRAWINGS BY
KEVIN TIERNAN
ARCHITECT SERVICES
19 ARANLEIGH GARDENS
RATHFARNHAM
DUBLIN 14
PH 01 5349272
www.architectservices.ie

CLIENT: Imelda and Donal Hickey
1, Killakee Park, Dublin 24, D24 W9T2

THIS DRAWING: Drainage plan
Scale 1 to 150

Area: area of entire site 552 sq.m,
area of new site for detached house 335 sq.m
area of new detached house 177 sq.m