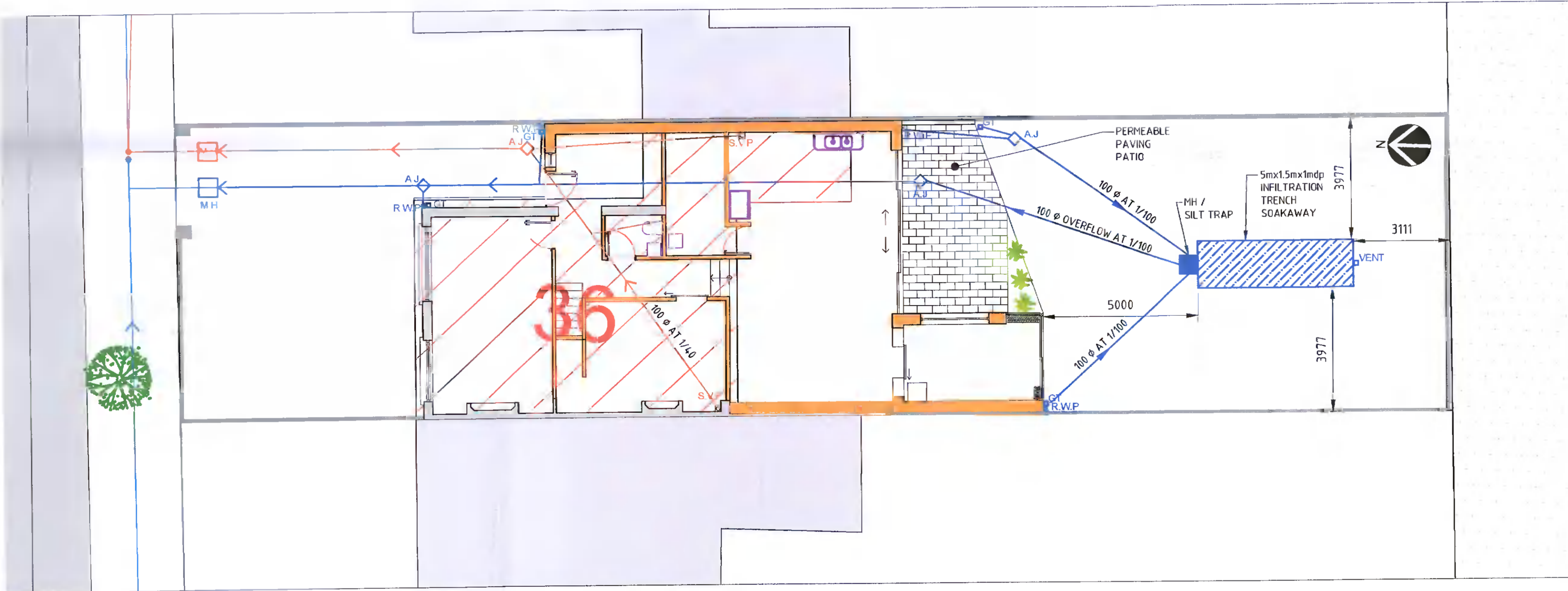


PROPOSED DRAINAGE PLAN  
SCALE 1:100



PROPOSED DRAINAGE PLAN  
SCALE 1:100

**LEGEND:**

- M.H. (circle with cross) = EXISTING FOUL SEWER
- M.H. (circle with dot) = PROPOSED FOUL SEWER
- M.H. (square with cross) = EXISTING STORM SEWER
- M.H. (square with dot) = PROPOSED STORM SEWER
- (green line) = EXISTING WATERMAIN
- (red line) = PROPOSED WATERMAIN
- (red line) = SITE BOUNDARY
- F.A.J. (diamond) = PROPOSED A.J. W/AVN 315 W/AJ UP TO 600mm DEPTH (OR SIMILAR APPROVED) (GALVANISED LIDS AND SEATING TO ALL A.P.'S)
- S.A.J. (diamond) = PROPOSED INSPECTION CHAMBER W/AVN 1250mm 600 (OR SIMILAR APPROVED) (GALVANISED LIDS AND SEATING TO ALL L.C.'S)
- B.G.T. (diamond) = BACK INLET GULLEY TRAP
- R.W.D.P. (line) = RAIN WATER DOWN PIPE (REFER TO ARCHITECTS DRAWINGS FOR LOCATIONS)
- R.G. (line) = ROAD GULLEY
- D.C. (line) = DRAINAGE CHANNEL
- S.A. (line) = SOAKAWAY
- F.F.L. (+ 0.00) = PROPOSED LEVELS
- + 0.00 = EXISTING LEVELS
- (hatched area) = INDICATES - PERMEABLE PAVING

- DRAINAGE NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS
  - ALL FOUL SEWERS TO BE FULLY SEALED UPVC PIPES IN ACCORDANCE WITH I.S. EN 14.01-1
  - ALL INTERNAL MANHOLE COVERS TO BE DOUBLE SEALED RECESS 'SET-IN' TYPE
  - ALL EXTERNAL MANHOLE COVERS TO BE ROUND GRADE DN 400 E.N. 124
  - ALL EXISTING REDUNDANT PIPEWORK, GULLYS, MANHOLES ETC. TO BE FULLY REMOVED AND BACKFILLED/MADE GOOD ETC. ANY REDUNDANT INTERNAL PIPEWORK TO REMAIN SHOULD BE CAPPED AND FULLY SEALED
  - CONTRACTOR TO CAREFULLY SURVEY & LOCATE ALL EXISTING DRAINAGE AND ENSURE ALL REMAINING DRAINAGE CONNECTIONS ARE RECONNECTED TO NEW DRAINAGE SYSTEM, INCLUDING EXISTING S.V.P.'S
  - ANY REPAIRS NECESSARY DUE TO DAMAGE BY THE CONTRACTOR WILL BE AT THE CONTRACTOR'S EXPENSE.
  - ALL WORKS AND TEMPORARY DISCONNECTION OF SERVICES TO BE PHASED AND AGREED WITH THE CLIENT AND DESIGN TEAM
  - PRIOR TO COMMENCEMENT, CONTRACTOR TO CARRY OUT FULL INVESTIGATION INCLUDING CCTV SURVEY AND LEVELS ETC. OF ALL EXISTING DRAINAGE.
  - CONTRACTOR TO CARRY OUT PRESSURE TESTING OF ALL NEW DRAINAGE FOR INSPECTION BY THE ENGINEER AND TO CARRY OUT A CCTV SURVEY OF COMPLETED DRAINAGE NETWORK.
  - ALL DRAINS WITH COVER LESS THAN 0.6m IN PAVED AREAS AND LESS THAN 12m UNDER ROADS TO BE WRAPPED IN A MEMBRANE AND BEDDED AND SURROUNDED IN C20/25 CONCRETE. A 20mm GAP SHALL BE PROVIDED IN THE CONCRETE SURROUND AT PIPE JOINTS AND NOT MORE THAN 6m APART. ALL OTHER PIPEWORK SHALL BE BEDDED AND SURROUNDED IN GRANULAR MATERIAL TO SPECIFICATION.

- NOTES: FOUL**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATIONS & IRISH WATER CODE OF PRACTICE FOR WASTE WATER INFRASTRUCTURE IW-CDS-5020-03 AND IW-CDS-5020-01
  - ALL FOUL SEWER PIPELINES TO BE SEWER GRADE UNPLASTICISED P.V.C. PIPES (SN8) TO IW.3.13.3. SPEC. EN 14.01 AND BS. 4514 OR SIMILAR APPROVED
  - ALL COVERS TO FOUL SEWER MANHOLES TO BE ROUND TYPE GRADE DN 400 E.N. 124 & BS7903
  - ALL NEW TREES TO BE LOCATED SO AS TO ACHIEVE THE MINIMUM PLANTING DISTANCE FROM NEW FOUL SEWER SERVICE CONNECTION IN ACCORDANCE WITH STD-WW-06A.

A	ISSUED FOR F.I. REQUEST	03.05.22
REV	DESCRIPTION	DATE

**Donnelly Troy & Associates**  
CONSULTING STRUCTURAL & CIVIL ENGINEERS  
First Floor  
Richmond House Telephone: 8632223  
Richmond Road Fax: 8632224  
Fairview, Dublin 8. info@donnelly-troy.com

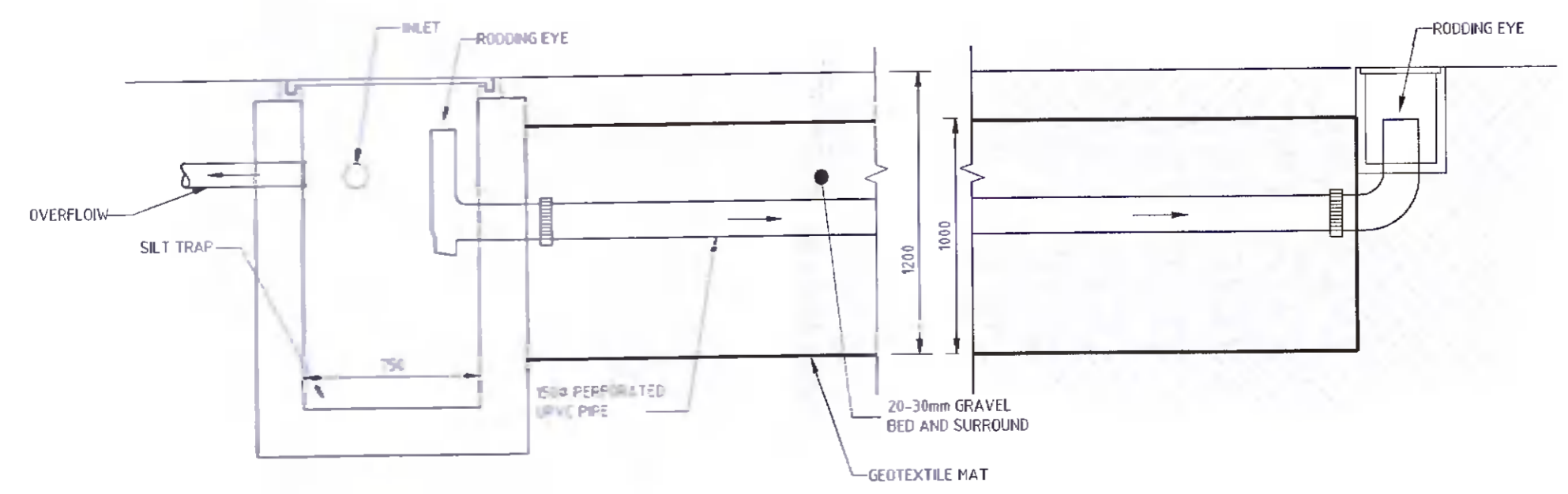
**ARCHITECT**  
**MODULE**  
ARCHITECTURE (DESIGN) | PROJECT MANAGEMENT  
180-185, 20-21 Upper Hill Street, Dublin 8  
t: +353 1 852 8254 f: +353 1 852 8255 e: info@module.ie

**PROJECT**  
Proposed Development  
At 36 KEW PARL CRESCENT, LUCAN,  
CO. DUBLIN

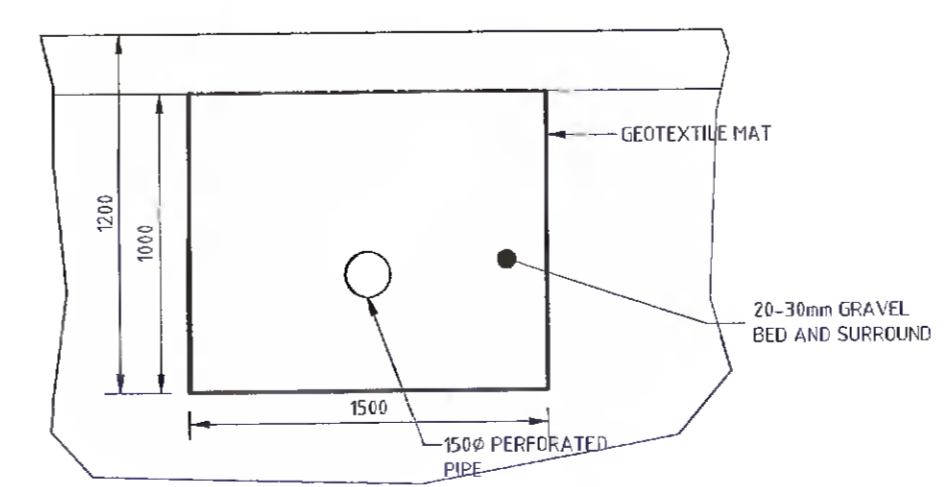
**DRG. TITLE**  
EXISTING & PROPOSED DRAINAGE PLAN  
AND DETAILS

drawn by AB scales AS SHOWN AT A1  
checked by S.C. date MAY '22

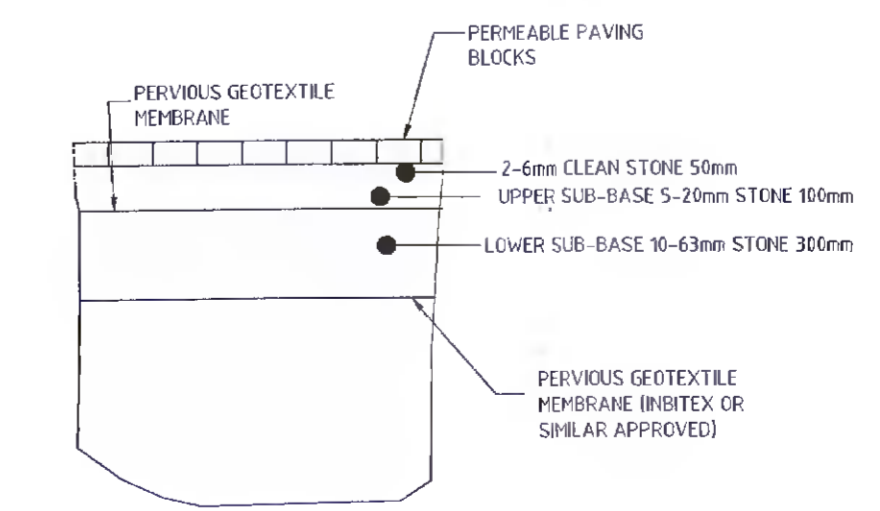
JOB No. 22029 DRG. No. 01 REV. A



TYPICAL LONGITUDINAL SECTION THROUGH SILT TRAP AND INFILTRATION TRENCH SOAKAWAY  
1:25 AT A1



TYPICAL CROSS SECTION THROUGH INFILTRATION TRENCH SOAKAWAY



TYPICAL CROSS SECTION THROUGH PERMEABLE PAVING