



INTERCEPTION STORAGE (FIRST 5mm OF RAINFALL)

INTERCEPTION PROVIDED BY SMALLE
 646m² x 0.005m = 3.23m³
 VOLUME STORED BEHIND CHECK DAMS: 6m³
 6 x 0.38m³ = 2.28m³

INTERCEPTION PROVIDED BY PERMEABLE PAVING
 1765m² x 0.005m = 8.82m³
 TOTAL AREA OF PERMEABLE PAVING = 1765m²
 VOLUME BENEATH OVERFLOW PIPE WHICH IS SET 100mm ABOVE BASE = 1765m² x 0.10m = 0.1765m³

INTERCEPTION PROVIDED BY BIO-RETENTION
 1059m² x 0.005m = 5.29m³
 TOTAL AREA OF BIO-RETENTION = 1059m²
 ALLOW FOR A POOLING DEPTH OF 150mm FOR EVAPORATION
 75m² x 0.15m = 11.25m³

INTERCEPTION PROVIDED BY INFILTRATION TRENCH
 1075m² x 0.005m = 5.37m³
 TOTAL AREA OF INFILTRATION TRENCH = 1075m²
 VOLUME BENEATH OVERFLOW PIPE WHICH IS SET 250mm ABOVE BASE = 1075m² x 0.25m = 0.26875m³

LEGEND

- RED LINE BOUNDARY
- TOTAL AREA FOR DISCHARGE RATE CALCULATION (13205m²)
- TOTAL HARDSTAND AREA (6483m²)
- GREEN/OPEN AREAS (8732m²)
- SUBS ELEMENTS
- SMALLE
- AREA DRAINING TO SMALLE (646m²)
- AREA DRAINING TO PERMEABLE PAVING (1765m²)
- AREA DRAINING TO BIO-RETENTION AREAS (1059m²)
- AREA DRAINING TO INFILTRATION TRENCH (1075m²)
- AREA DRAINING TO TREE PITS (292m²)
- AREA DRAINING TO ISOLATOR NOW ONLY (1144m²)
- AREA DRAINING TO PETROL INTERCEPTOR ONLY (1102m²)

PLANNING DRAWING, NOT FOR CONSTRUCTION.
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NOTES

- For setting out refer to Architect's drawings.
- This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
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P1	18.05.2022	ISSUED FOR PLANNING	SC	SS
P2	18.05.2022	REVISED AND REISSUED FOR PLANNING	SC	SS

Architect	JFOC Architects Proposed Development at Newcastle, Dublin Contributing Areas And Subs Areas
Drawn By	SC
Checked By	SS
Date	May 2022

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Environment	IS EN ISO 14001:2015
Health & Safety	OS HAS 18001:2017