N
NE
E
SE
S
SW
W
NW
MAGNETIC NORTH

Scale 1:250

Drainage Strategy Design Assumptions and Recommendations
System 1 (East)

Proposed Discharge Rate 11.8L/S

(based on QBAR for developable area as outlined within RSK Flood Risk Assessment subject to LLFA Approval)

Total impermeable area is calculated at 1.377ha (including 10% for Urban Creep)

Therefore, the following detention pond have been calculated.

Return Period	Type	Volume attenuated
1 in 100 years + 40%	Pond 1	870 m³

Allowance to be made in costing's for a pair of road gullies at every 15m change.

Pumping Station to be designed by Pumping Station Manufacturer/Specialist.

Rising Main to be designed by Pumping Station Manufacturer/Specialist.

Existing ditchcourse to be culverted under proposed highway - subject to LLFA approval

Relocation / Rerouting of existing footpath

Proposed SUDs features

Pool 0.5m Deep

Forebay

Low Flow Channel

Basin 1
Bed Level 97.400
Max Water level 98.500
Max slope 1:3
Volume 870m³

Headwall

Overflow

Proposed 600Ø Surface Water Sewer

Proposed 1500 Foul Water Sewer

Proposed 3000 Surface Water Sewer

Proposed 1500 FWS

Proposed 1500 Foul Water Sewer

Proposed 3000 Foul Water Sewer

Proposed 1500 Surface Water Sewer

Proposed 4500 Surface Water Sewer

Proposed 4500 Foul Water Sewer

Proposed 1500 Foul Water Sewer

Proposed 1500 Surface Water Sewer

Proposed 3000 Surface Water Sewer

Proposed 1500 Foul Water Sewer

Proposed 1500 Foul Water Sewer

Proposed 3000 Surface