
DO NOT SCALE
KEY:
SITE BOUNDARY
PROPOSED SURFACE WATER CATCHMENTS
PROPOSED ATTENUATION BASINS
PROPOSED DISCHARGE LOCATIONS
DRAINAGE DITCH / SWALE
PROPOSED SURFACE WATER CUT-OFF DITCH (APPROX. REQUIRED CAPACITY = 0.55 m³/s)
EXISTING DRAINAGE DITCH TO BE RETAINED (EXISTING BANK FULL CAPACITY = 2.3 m³/s)
PROPOSED SWALE TO CONVEY RUNOFF GENERATED BY CATCHMENT A
PROPOSED SURFACE WATER CUT-OFF DITCH (APPROX. REQUIRED CAPACITY = 0.55 m³/s)
EXISTING DRAINAGE DITCH TO BE RETAINED (EXISTING BANK FULL CAPACITY = 2.3 m³/s)
PRIMARY SCHOOL
REQUIRED ATTENUATION VOLUMES FOR PRIMARY SCHOOL TO BE PROVIDED AT SOURCE THROUGH THE USE OF PERMEABLE BLOCK PAVING OR ABOVE-GROUND ATTENUATION FEATURE(S)
LOCAL CENTRE
CENTRAL NEAP GREEN
PRINCIPAL AVENUE
SHARED PRIVATE DRIVES TO BE SURFACED USING PERMEABLE BLOCK PAVING
SHARED PRIVATE DRIVES TO BE SURFACED USING PERMEABLE BLOCK PAVING
ACCESS TO PITCHES/ALLOTMENTS
PAVILION/ CHANGING ROOMS/PARKING
ACCESS TRACKWAY TO ALLOTMENTS
SPORTS PITCHES
ALLOTMENTS LOCATION TBC SUBJECT TO ACCURATE FLOOD PLAN EXTENT
COMMUNITY PARK
CATCHMENT A (MIXED)
DEVELOPABLE AREA = 18.6 Ha
IMPERMEABLE AREA = 9.3 Ha
REQUIRED STORAGE = 4,835 m³
MAX DISCHARGE RATE = 141.1 l/s
CATCHMENT B (HIGHWAY CORRIDOR)
DEVELOPABLE AREA = 2.1 Ha
IMPERMEABLE AREA = 1.7 Ha
REQUIRED STORAGE = 1,205 m³
MAX DISCHARGE RATE = 16.0 l/s
CATCHMENT C (RESIDENTIAL)
DEVELOPABLE AREA = 13.0 Ha
IMPERMEABLE AREA = 7.1 Ha
REQUIRED STORAGE = 3,845 m³
MAX DISCHARGE RATE = 98.8 l/s
PROPOSED SWALE TO CONVEY RUNOFF GENERATED BY CATCHMENT C
EXISTING HIGHWAY DRAINAGE ASSET
EXISTING OUTFALL TO BARRACKS BROOK
A
B
C
NOTES:
1) THIS DRAWING IS A GENERAL ARRANGEMENT DRAWING SHOWING THE SPATIAL RELATIONSHIP BETWEEN EXISTING AND PROPOSED FEATURES AT THE SITE. IT SHOULD NOT BE USED FOR CONSTRUCTION.
2) THE INDICATIVE SURFACE WATER DRAINAGE STRATEGY PRESENTED ON THIS DRAWING REPRESENTS ONE POTENTIAL DESIGN SOLUTION TO DEMONSTRATE THE FEASIBILITY OF THE PROPOSED DEVELOPMENT WITH REGARDS TO THE MANAGEMENT OF SURFACE WATER. IT SHOULD NOT BE CONSIDERED THE DEFINITIVE DESIGN SOLUTION FOR THE SCHEME.
3) THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING FLOOD RISK ASSESSMENT PRODUCED BY WSP (REF: 70023672-FRA-001; DATE: JULY 2018).
4) THIS DRAWING IS BASED ON THE INDICATIVE MASTERPLAN FOR THE PROPOSED DEVELOPMENT PRODUCED BY PEGASUS (REF: B.0375_08K DATE: 26/03/2018).
P02 17/01/2019 SK SOURCE CONTROL FEATURES ADDED
P01 16/07/2018 SK FIRST ISSUE
REV DATE BY DESCRIPTION CHK APP
DRAWING STATUS: S2 - FOR INFORMATION
wsp
Mountbatten House, Basing View, Basingstoke, RG21 4HJ, UK
T+ 44 (0) 1256 318 800, F+ 44 (0) 1256 318 700
wsp.com
CLIENT: BLOOR HOMES AND SPITTAL FIELD HOLDINGS LTD
ARCHITECT: PEGASUS
SITE/PROJECT: ERMINE STREET SOUTH, HUNTINGDON, CAMBRIDGESHIRE
TITLE: INDICATIVE SURFACE WATER DRAINAGE STRATEGY
SCALE @ A1: 1:2000
CHECKED:
APPROVED:
PROJECT NO: 70023672
DESIGNED: SK
DRAWN: SK
DATE: January 19
DRAWING No: 3672-D-001
REV: P02
Reproduced from the Ordnance Survey map with the permission of the Controller of Her Majesty's Stationery Office. Licence no. 100048725. Crown copyright reserved.
© WSP UK Ltd