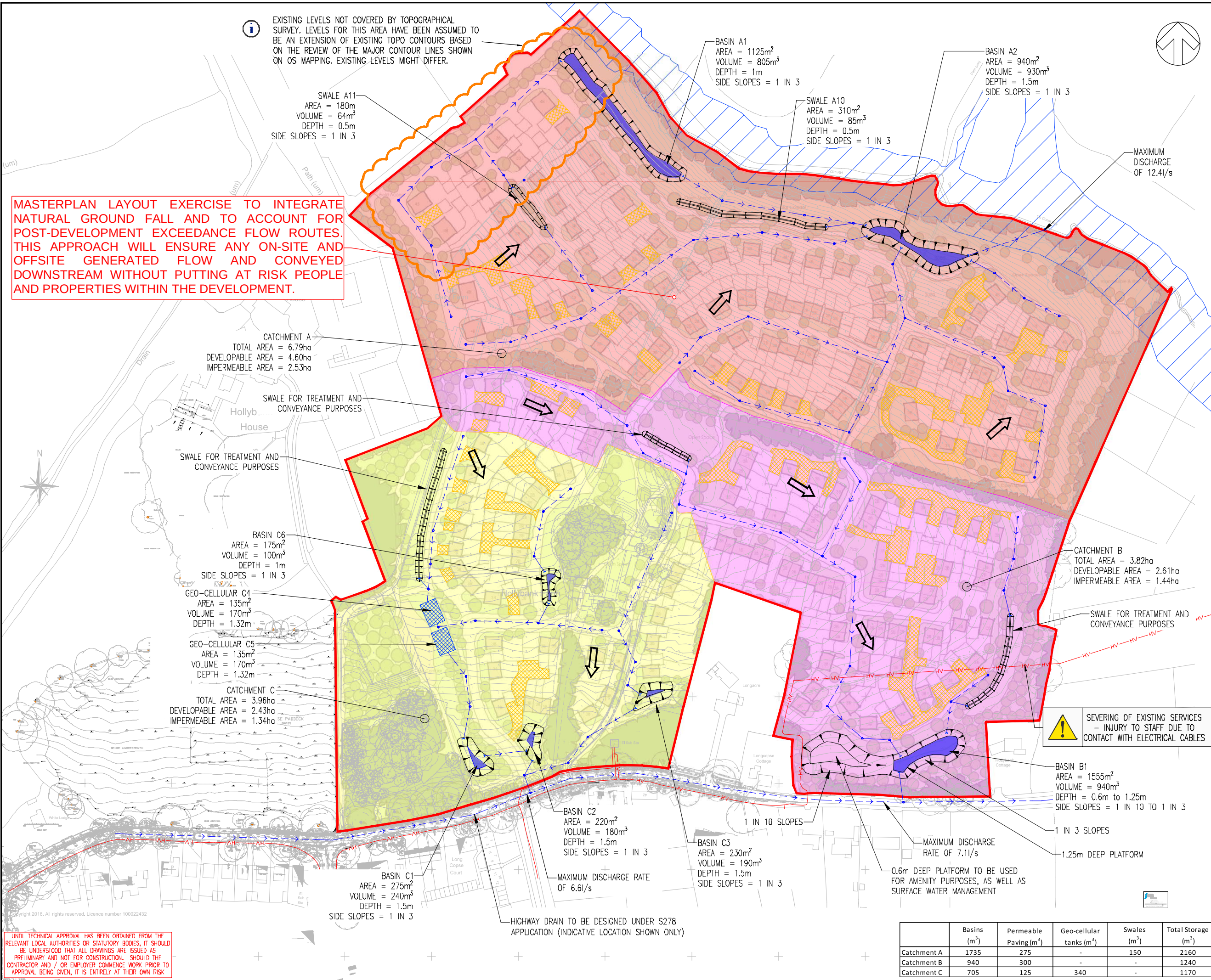




KEY:

SITE BOUNDARY

PROPOSED GEO-CELLULAR TANKS

PROPOSED PERMEABLE PAVING

ENVIRONMENT AGENCY'S 0.1% AEP SURFACE WATER FLOOD EXTENT

PROPOSED PIPE NETWORK

PROPOSED SURFACE WATER MANHOLE CHAMBER

PROPOSED SURFACE WATER HEADWALL

TYPICAL FALL OF PRE-DEVELOPMENT GROUND LEVELS

PROPOSED WETLAND AND BIO-DIVERSITY NET GAIN AREAS

HV HIGH VOLTAGE CABLE

DO NOT SCALE

NOTES:

1. THIS DRAWING SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES, WITHOUT UNDERGOING FURTHER DETAILED DESIGN.

2. THE PRELIMINARY DESIGN PRESENTED ON THIS DRAWING HAS BEEN PRODUCED FOR THE PURPOSES OF INFORMING THE DEVELOPMENT OF THE EMERGING MASTERPLAN AND HAS NOT BEEN AGREED THROUGH CONSULTATION WITH THE RELEVANT AUTHORITIES. CONSEQUENTLY, IT SHOULD NOT BE INTERPRETED AS A DEFINITIVE SOLUTION.

3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELATED DOCUMENTATION, DRAWINGS AND STANDARD DETAILS. FOR PROPOSED FOUL DRAINAGE STRATEGY REFER TO DRAWING 2250-WSP-LG-00-DR-001.

4. EA LONG-TERM FLOOD RISK MAP USED TO INFORM FLOOD EXTENTS ASSOCIATED TO THE UNNAMED TRIBUTARY OF RIVER EMS. EA'S 0.1% AEP SURFACE WATER FLOOD EXTENT ASSUMED AS 1% AEP + CC FOR THE PURPOSE OF INFORMING THE MASTERPLAN LAYOUT.

5. ACCURACY OF EA'S SURFACE WATER FLOOD EXTENTS SUBJECT TO CONFIRMATION WITH LLFA.

6. IMPERMEABLE AREAS ASSUMED AS 55% OF TOTAL DEVELOPABLE AREA. URBAN CREEP ASSUMED AS 5% OF TOTAL DEVELOPABLE AREAS.

7. HYDROLOGICAL ANALYSIS UNDERTAKEN VIA REF#2. GREENFIELD RUNOFF RATES ESTIMATED USING REF#2. STORAGE ASSESSED ON A OBAR DISCHARGE RATE OF 4.9L/S/HA.

8. DRAINAGE STRATEGY SUBJECT TO AGREEMENT WITH LOCAL LEAD FLOOD AUTHORITY (HCC) AND LPA (HBC)

9. NITROGEN OFFSET REQUIREMENTS TO BE INCORPORATED IN THE SUDS DESIGN AT A LATER STAGE.

10. INVERT LEVEL OF WATER STREAM TO BE ASSESSED AT DETAILED DESIGN STAGE.

11. STORAGE SHOWN NOT INCLUSIVE OF WETLAND VOLUMES. WETLAND FEATURES TO BE INCLUDED IN THE DESIGN OF ATTENUATION BASINS FOR PURPOSES OF OFFSETTING TOTAL NITROGEN. WETLAND FEATURES ALWAYS TO REMAIN BELOW INVERT LEVEL OF THE OUTGOING PIPES.

12. AREAS OF WETLAND TO BE INCORPORATED IN THE DESIGN OF SURFACE WATER ATTENUATION FEATURES FOR PURPOSES OF OFFSETTING TOTAL NITROGEN AND PROVIDING BIO-DIVERSITY NET GAIN. INVERT LEVELS OF THE WETLAND AREAS TO BE SET BELOW THE INVERT OF THE OUTGOING PIPES, FOR THE RESPECTIVE ATTENUATION FEATURE.

PO3

02/07/21

JD

ISSUE FOR COMMENT

JD

18

PO2

17/06/21

JD

ISSUE FOR COMMENT

JD

18

PO1

20/05/21

JD

ISSUE FOR COMMENT

JD

18

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:

LAND AND PARTNERS LTD

ARCHITECT:

PEGASUS

SITE/PROJECT:

LONG COPSE LANE, EMSWORTH

TITLE:

OUTLINE SURFACE WATER DRAINAGE STRATEGY

SCALE @ A1:

1:1000

CHECKED:

JG

APPROVED:

EI

PROJECT NO:

70052250

DESIGNED:

JD

DRAWN:

JD

DATE:

July 21

DRAWING NO:

70052250-WSP-FR-00-001

REV:

PO3

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	Basins (m ³)	Permeable Paving (m ³)	Geo-cellular tanks (m ³)	Swales (m ³)	Total Storage (m ³)
Catchment A	1735	275	-	150	2160
Catchment B	940	300	-	-	1240
Catchment C	705	125	340	-	1170

File name: L:\UK\WSP\BOLUP\CONCENTRAL DATA\PROJECTS\70052250\LONG COPSE LANE\EMSWORTH\IN SUPPORT\02 IMPERF FLOOD BS002 CAD AND GEOI AUTOCAD1 DRAWINGS\70052250-WSP-FR-00-001.DWG, printed on 08 July 2021 17:12:31 by Des Savva (dl.savva@wsp.com)

UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT LOCAL AUTHORITIES OR STATUTORY BODIES, IT SHOULD BE UNDERSTOOD THAT ALL DRAWINGS ARE ISSUED AS PRELIMINARY AND NOT FOR CONSTRUCTION. SHOULD THE CONTRACTOR AND / OR EMPLOYER COMMENCE WORK PRIOR TO APPROVAL BEING GIVEN, IT IS ENTIRELY AT THEIR OWN RISK