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A0 ORIGINAL

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KEY

- PROPOSED SURFACE WATER SEWER AND MANHOLE
- PROPOSED HIGHWAY DRAINAGE AND CATCHPIT
- PROPOSED SURFACE WATER FLOW CONTROL CHAMBER
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED FOUL WATER SEWER AND MANHOLE
- PROPOSED FOUL WATER BACKDROP MANHOLE
- PROPOSED FOUL WATER SHALLOW MANHOLE
- PROPOSED FOUL WATER RISING MAIN
- PROPOSED FOUL WATER DRAINAGE
- EXISTING WATER MAIN TRACE
- PROPOSED ROAD GULLY AND GULLY LEAD
- PROPOSED HEADWALL
- PROPOSED SWALE
- PROPOSED CONTOURS
- PROPOSED EMBANKMENT
- LIMIT OF WORKS ASSOCIATED WITH MAIN AVENUE
- DIRECTIONAL FLOW/FALL OF PROPOSED SURFACE WATER AND ROADS
- PREMARK ANTI-SKID TREATMENT TO MANHOLE COVER

NOTES:

1. This drawing is not to be scaled.
2. Based on topographic survey undertaken by Subvision Survey Ltd on March 2022, drawing reference SS-PH-013.
3. Drawing based on Banners Gate Engineering Base drawing reference " X_21044 - Engineering Base", received on 22/06/2022.
4. This drawing is to be read in conjunction with all relevant engineering and landscaping drawings. Any discrepancies are to be reported to the engineer immediately for clarification.
5. All on-site civils and drainage works constructed in accordance with the Mayer Brown Limited Specification, details and MH schedules.
8. Proprietary items are to be constructed in accordance with manufacturers recommendations / requirements.
9. All drainage works shall be carried out in accordance with the requirements of the Local Authority, the Environment Agency and in conjunction with all relevant British Standards, Codes of Practice, the Design and Construction Guidance for foul and surface water sewers and any addendums as appropriate.
10. Invert levels and positions of existing drains / chambers / sewers where new connections are to be made must be checked and confirmed to the engineer to the commencement of any works.
11. Any part of the existing drainage system to be retained as part of the new scheme shall be cleaned and inspected. Any structural defects shall be repaired using appropriate and approved means.
12. All new manholes and catchpits are soffit to soffit unless noted otherwise. Invert level shown is outlet pipe.
13. All drainage shall comply with the typical details and the requirements of BS EN 752 and Part H of the Building Regulations.
14. All precast concrete units used in the drainage works shall be manufactured using sulphate resisting cement.
15. The diameters and gradients of the main surface water and foul water carrier drains are identified on the layout.
16. Cover levels are to be adjusted locally to suit finished ground levels.
17. HEALTH AND SAFETY: The works shall be carried out by specialist competent and experienced contractors who are members of a recognised national organisation.Operatives shall have received full and appropriate training for the operations they are to undertake. All work shall be carried out in accordance with all pertinent Health and Safety Regulations.

NOTE This drawing needs to be read in conjunction with the overall Drainage Strategy drawing reference "01_Main Avenue & East of Wetlands Drainage Strategy" which identifies the outfalls and peak discharge rates.

CLIENT RISK - Please note that the Section 38 Works indicated on this drawing are subject to Technical Approval by West Sussex County Council and therefore the works indicated on the drawing are subject to change. At the request of Persimmon Homes, this drawing is issued for 'Construction' and therefore Mayer Brown Ltd takes no responsibility for any alterations to the design or associated costs required to achieve technical approval.

FOR DETAILS OF S104 DRAINAGE FOR PHASE 5 REFER TO BANNERS GATE DRAWING REFERENCE '21044/100S104-A'

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Crossing point of swale for maintenance and access. (fording point for maintenance equipment with side slope of approx 1in5)

BEBO ARCH - Precast Concrete Arch
Wetland Ground Level = 1.38m AOD
2.1m Clear Height = underside Structure = 3.48m
Structure Thickness 320mm, Crown = 3.80m
Carriageway Level @ Crown= 4.67m AOD
Back of footpath level @ Crown = 4.80m AOD
Footpath 1.0m Clear over crown

Phase 2 drainage pipes (existing stubs) should be extended to meet the main avenue manholes FW01 & SW02

Proposed new shallow ditch in central wetland area as shown on WYG Landscape Architect's drawings
Ground level where ditch runs is at a constant level of 1.38m
Bed of ditch = 1.00m

Existing Water Main

CREST

SAG

Rd 1–Main Ave

Road 4

Road 5

Road 6

Road 7

Road 7E

Road 8

SWALE 01

SWALE 02

SWALE 03

CENTRAL WETLAND

PHASE 2

FFL 4.200

VIEWPORT 01

VIEWPORT 02

1 2 3 4 5

FOR CONSTRUCTION

rev.	amendment	checked	date
C7	Alignment and levels of rising main amended after chainage 70. Drainage updated following revised submission to WSCC. (TC)	SF	22/11/23
C6	FW02 & FW03 moved so no longer above BEBO Arch. (TC)	SF	07/07/23
C5	Revised to accommodate WCSS's comments received on 19/01/2023: 1) FW02 & FW03 moved away from bebo arch, 2) G31 moved to bottom of run. General Changes: Swales 01, 02 & 03 lowered. Pump Station Compound updated. (TC)	IC	12/04/23
C4	SW10a removed, gully leads updated accordingly. (clouded). (TC)	SF	22/11/22
C3	Drawing revised following design meeting on 02/11/2022. Key updated. (TC)	SF	11/11/22
C2	Gully spacing revised. Catchpit SW01 moved and Catchpit SW10a added. Key Updated (clouded). (TC)	IC	26/10/22
C1	Status changed to **For Construction**. (TC)	SF	21/07/22
T8	Drainage updated to reflect S104 sewers ownership. Banners Gate's design added. (IC)	SF	21/06/22
T7	Manholes renumbered, some Manholes changed to Catchpits and Key updated. (TC)	SF	26/05/22
T6	Drawing updated following RSA comments received on 12/01/22 and comments from WSCC dated 08/02/22. (TC)	IC	24/02/22
T5	Revised Architect's layout received on 22/11/2021. Gully numbers and catchment areas added.	SF	25/11/21

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client
PERSIMMON HOMES THAMES VALLEY

project
NORTH LITTLEHAMPTON
EAST OF WETLANDS
MAIN AVENUE & NORTHERN CROSSING

scale	drawn by	checked by
1:250	TC	SF

date	cad file
OCTOBER 2019	20.DWG

title
DRAINAGE GENERAL ARRANGEMENT DRAWING
(SHEET 1 OF 3)

Mayer Brown Limited jobcode	suitability	revison
		C7

drawing number
A/PHLITTLE-MAIN.1/20-1