Extent of licensed area for flood mitigation works in accordance with BIDWELLS drawing B.12.931j

Existing watercourse to be filled in between points A & B. Excluding root protection areas.

HW4
Outfall invert level - 7.525
Discharge rate - 3.0 l/s

750 diameter culvert to be installed to provide drainage route for surface water from tree area in event of flooding.

Wetland Area
To be constructed in accordance with approved and signed Environment Agency environmental permit reference: EPR/GB3598JL

Attenuation Road 1D
Top of sub base - 9.59m
Maximum formation level - 8.49m
Area of porous paving - 868m²
Drained area - 4,676m²
Discharge rate - 4.8 l/s

Foul Pump Station
Designed to serve Southern area of development and to be sized to cater for emergency storage in accordance with Building Regulations. To be connected to public sewerage system via rising main.

Existing watercourse to be filled in between points A & B. Excluding root protection areas.

Route of proposed footway

KEY

- Redundant surface water sewer
- Diverted surface water sewer
- Foul water sewer
- Domestic Foul Drain with TYPE 3 Inspection Chamber and Invert Level
- Rising Main
- Pump station
- Domestic Surface Water Drain with TYPE 3 Inspection Chamber and Invert Level
- Domestic Surface Water Plastic Road Gully with 150 dia Plastic pipe
- ST — Silt trap
- CAR — Porous block paving with Wavin Carastor and Stormbloc Distribution chambers.
- Porous block paving with Naylor Aquavoid traffic units channel at formation level of porous carriageway sub base. Silt traps situated along channel.
- FC — Flow control manhole situated in impermeable carriageway
- Surface water storage tank
- Concrete headwall with outfall connecting to wetland area via gravel filled low flow channels
- Concrete headwall
- Concrete bagwork headwall located in overflow pond.
- LD — Proposed extensions of existing land drains in accordance with drawings approved under Environmental Permit EPR/GB3598JL/-L01. Headwalls indicated when draining to wetland area.
- LD — Proposed headwalls to serve existing land drains discharging to wetland area in accordance with approved drawings of Environmental Permit EPR/GB3598JL/-L01.
- Flood flow route
- Root protection area

Refer to drawings ES1711-500-04-01 & 02 for construction details.
Wetland area works to be carried out in accordance with Environment Agency environmental permit EPR/GB3598JL/-L01.

Rev.	Date	Details	Initials
C	11.07.17	Amended in accordance with latest planning layout.	MRH
B	22.05.17	Flood mitigation design amended. Extent of license area indicated.	MRH
A	07.04.17	Initial issue	MRH

Drawing Status
PRELIMINARY

Project
Horndean Road
Emsworth

Client

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Drawing Title
Engineering Details
Drainage Strategy Sheet 3 of 3

Drawn	Checked	Scales	Paper Size	Date
MRH	KAM	1:250	A0	03.17

Job No.	Drawing No.	Revision
ES1711	500–05–03	C

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