



Insets between the North and South parcels of the site can be used to drain excess flow, whilst utilising the green band beneath the overhead cables



Porous Paving to be used for all private driveways to provide water quality treatment in accordance with CIRIA Guidelines



Proposed filter trench will drain runoff from shared private drives where possible.

- KEY**
- SITE BOUNDARY
 - PROPOSED SURFACE WATER SEWER
 - PROPOSED SURFACE WATER MANHOLE
 - PROPOSED FOUL WATER SEWER
 - PROPOSED FOUL WATER MANHOLE
 - EXISTING PUBLIC FOUL WATER SEWER
 - EXISTING PUBLIC SURFACE WATER SEWER
 - PROPOSED LINED FILTER DRAIN
 - PROPOSED LINED POROUS PAVING
 - PROPOSED SW ATTENUATION BASIN
 - PROPOSED LINED SWALE
 - PROPOSED BUND
 - OVERLAND FLOW ROUTES
 - EXCEEDANCE FLOW ROUTES
 - INDICATIVE FINISHED FLOOR LEVEL

DUE TO THE PRESENCE OF HIGH GROUNDWATER ALL SUDS FEATURES ARE TO BE SUITABLY LINED. THE ATTENUATION BASIN IS LIKELY TO REQUIRE A PUDDLED CLAY LAYER TO PREVENT INGRESS OF GROUNDWATER. SPECIALIST ADVICE FROM GEOTECHNICAL ENGINEER REQUIRED

THIS IS AN INDICATIVE DRAINAGE STRATEGY AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES. DRAINAGE PROPOSALS INCLUDING PIPE SIZES & INVERT LEVELS ARE SUBJECT TO DETAILED DESIGN. THE ACTUAL POSITION AND DETAILS OF ANY EXISTING SERVICES ARE SUBJECT TO A DETAILED SURVEY.

E	Minor updates to strategy, floor levels added	24.05.22	TJW	SJB
D	Basin and strategy updated to suit revised layout	04.05.22	TJW	NUM
C	Basin updated to suit revised discharge rate	03.06.21	JUN	SJB
B	Drainage Strategy updated to suit revised layout	11.03.21	JUN	BDR
A	Drainage Strategy updated to suit revised layout	12.02.21	JUN	BDR

Wivenhoe, Land Off Richard Avenue

Indicative Drainage Strategy

Drawing Number	Scale	Date	Drawn	Checked	Approved
ST-2981-01-E	1:500@A1	21.07.20	BDR	SJB	XXX

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PROPOSED FW SEWER CONNECTION SECTION 106 APPROVAL REQUIRED FROM ANGLIAN WATER. IT MAY BE NECESSARY TO CONSTRUCT A NEW MANHOLE UPSTREAM DUE TO THE EXISTING NUMBER OF SEWER CONNECTIONS. TO BE DETERMINED AT DETAILED DESIGN.

3rd PARTY LAND OWNER APPROVAL OR SEWER REGISTRATION REQUIRED FOR FW SEWERS LAID OUTSIDE OF SITE BOUNDARY

3rd PARTY LAND OWNER APPROVAL OR SEWER REGISTRATION REQUIRED FOR SW SEWERS LAID OUTSIDE OF SITE BOUNDARY

PROPOSED SW SEWER CONNECTION SECTION 106 APPROVAL REQUIRED FROM ANGLIAN WATER FOR SEWER CONNECTION

Basin to be suitably lined to prevent ingress of groundwater. PERMANENT WET AREA OR BICRETION AREA REQUIRED TO PROVIDE SUFFICIENT WATER TREATMENT

PROPOSED FLOW CONTROL DEVICE LIMITING SW DISCHARGE TO 4L/S FOR ALL FLOWERS IN ACCORDANCE WITH ANGLIAN WATER REQUIREMENTS

Top of Basin = 30.2m
Bed Level = 27.60m
Attenuation Volume = 198m³

