DRAWING TO BE READ IN CONJUNCTION WITH THE DRAINAGE STRATEGY REPORT SW23-334-REP-01

NOMINAL DEPRESSION TO BE FORMED TO NORTHERN EDGE OF ROAD TO ATTENUATE SW RUN-OFF IN EXCESS OF 1:100 + CC EVENT

PROPOSED UNDERGROUND SURFACE WATER ATTENUATION TANK
266 NO. POLYSTORM CRATES O.S.A
52.34m³ STORAGE VOLUME
TANK DIMENSIONS 2m WIDE x 37m LONG x 0.8m DEEP
WITH 1 NO. STEP IN CRATES FOR PERFORATED PIPE RUN
FORMATION LEVEL: 1.350

Point	Easting	Northing	Elevation
J1	522083.544	330355.836	3.407
J2	522099.647	330360.478	3.417
J3	522116.237	330365.398	3.393

NEW SW03
450ø PPIC
CL: 3.150
IL: 1.325

NEW SW04
FLOW CONTROL CHAMBER
WITH INTEGRAL PUMP
MAX FLOW RATE: 5.00L/s
CL: 3.250
IL: 1.220 (INCOMING)

PROPOSED FOUL WATER TREATMENT PLANT AND PUMPING STATION
MIN. 10m FROM ANY STRUCTURE

HATCHED AREA DENOTES 10m EXCLUSION ZONE

NEW FW03
1200ø PCC
CL: 3.520
IL: 1.880

NEW FW02
1200ø PCC
CL: 3.520
IL: 2.050

NEW SW02
1200ø PCC
CL: 3.335
IL: 1.365

NEW FW01
1200ø PCC
CL: 3.410
IL: 2.525

NEW SW01
1200ø PCC
CL: 3.410
IL: 1.675

NEW SW05
SURFACE WATER MANHOLE CHAMBER
TO CONNECT BY GRAVITY
TO W&D IDB MAINTAINED DRAIN
CL: 3.400
IL: 2.350

MIN. FFL TO BE 300mm ABOVE EXISTING GROUND LEVEL IN ACCORDANCE WITH RM ASSOCIATES FRA V1 DATED NOVEMBER 2023

PLOT 1 FFL 3.550
PLOT 2 FFL 3.625
PLOT 3 FFL 3.700
PLOT 4 FFL 3.700
PLOT 5 FFL 3.625
PLOT 6 FFL 3.550

3m WIDE EASEMENT

ASSUMED LINE OF FENCE

NOMINAL BOUNDARY RETAINING MAY B REQUIRED TO SOUTH OF SITE, MAX 300mm

WORKS WITHIN 9m of A MAINTAINED WATERCOURSE SUBJECT TO WDIDB CONSENT UNDER BYELAW 10

TREATED FOUL WATER DISCHARGE TO WATERCORUSE SUBJECT TO WDIDB CONSENT UNDER BYELAW 3

SURFACE WATER DISCHARGE TO WATERCORUSE SUBJECT TO WDIDB CONSENT UNDER BYELAW 3

HW01 NEW
PCC HEADWALL
DISCHARGING INTO WELLAND & DEEPING IDB MAINTAINED WATERCOURSE

WATER LEVEL AT TIME OF SURVEY = 1.545 AOD

IDB MAINTAINED WATERCOURSE

KEY:

- PROPOSED FOUL WATER SEWER – MANAGEMENT CO.
- PROPOSED FOUL WATER CHAMBER – MANAGEMENT CO.
- PROPOSED PUMPED TREATED FOUL WATER SEWER – MANAGEMENT CO.
- PROPOSED FOUL DRAIN – PRIVATE
- PROPOSED SURFACE WATER SEWER – MANAGEMENT CO.
- PROPOSED SURFACE WATER CHAMBER – MANAGEMENT CO.
- PROPOSED SURFACE WATER GULLY & LATERAL – MANAGEMENT CO.
- PROPOSED PUMPED SURFACE WATER SEWER – MANAGEMENT CO.
- PROPOSED UNDERGROUND ATTENUATION TANK – MAN. CO.
- PROPOSED SURFACE WATER DRAIN – PRIVATE
- 3.67 EXISTING SITE LEVEL
- 3.000 PROPOSED SITE LEVEL
- 1:150 FALL PROPOSED SURFACE FALL
- DENOTES PROPOSED FLOOD EXCEEDANCE ROUTE
- DENOTES EXISTING FLOOD EXCEEDANCE ROUTE
- AREA A – PROPOSED SHARED ACCESS ROAD – IMPERMEABLE = 445m²
- AREA B – PROPOSED DWELLING ROOF'S – IMPERMEABLE = 810m²

TOTAL IMPERMEABLE AREA TO WDIDB WATERCOURSE VIA DRAINAGE SYSTEM = 1,255m²

- AREA C – PROPOSED SHARED DRIVEWAY – PERMEABLE = 210m²
- AREA D – PROPOSED PRIVATE DRIVEWAYS – PERMEABLE = 350m²

TOTAL PERMEABLE AREA TO INFILTRATE TO GROUND (AT SOURCE) = 560m²

PLEASE REFER TO ARCHITECTS DRAWINGS FOR CONFIRMATION OF ALL WALL/SETTING OUT DIMENSIONS PRIOR TO COMMENCING OF WORKS

THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS & STRUCTURAL CALCULATIONS

N

0 2 4 6 8 12 16 20m
1:200

REV.	DESCRIPTION	DRN.	APP.	DATE
–	PRELIMINARY – FOR INFORMATION	MRB	APW	26.03.24

SHIELDS WILSON
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STRUCTURAL AND CIVIL ENGINEERING

STATUS: FOR INFORMATION

CLIENT: R K WILSON BUILDERS (GR) LTD.

PROJECT: PROPOSED RESIDENTIAL DEVELOPMENT
LAND OFF WINDMILL LANE, GOSBERTON RISEGATE,
SPALDING, LINCOLNSHIRE, PE11 4ES

TITLE: PROPOSED DRAINAGE STRATEGY ARRANGEMENT

DATE	MAR. '24	SCALE @A1 1:200	DRAWING NO. SW23-334-001	REV. –
DRAWN	MRB			

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