EXISTING IDB PIPE

NEW SW10 –
BREAK CHAMBER
CL: 4.250 TBC
IL: 3.250 TBC

150ø @ 1:90

EXISTING BLACK SLUICE IDB
SURFACE WATER MH
UNSURVEYED POSITION
CL: 4.250 TBC
IL: 2.700 TBC

SURFACE WATER DISCHARGE TO CHAMBER SUBJECT TO BSIDB CONSENT UNDER BYELAW 3

PROPOSED RISING MAIN

PROPOSED SURFACE WATER RISING MAIN TO BE LOCATED WITHIN LCC HIGHWAYS OWNED FOOTPATH

APPROXIMATE EXTENT OF HIGHWAY OWNED FOOTPATH SHOWN PURPLE

FULL UPSTAND KERB WITH A MINIMUM TOP LEVEL 4.325

NEW SW02
CL: 4.200
IL: 2.825

UNDERGROUND ATTENUATION SYSTEM
INVERT LEVEL: 2.735–2.850
STORAGE STRUCTURE DEPTH: 630mm
3 NO. POLYSTORM XTRA (TBC) CRATES DEEP
AVAILABLE STORAGE VOLUME: 41.5m³

EXISTING FOUL WATER MH
CL: 4.740
IL: 3.020

EXISTING HIGHWAY DRAIN
UNSURVEYED POSITION
(HEAVILY SILTED)
CL: 5.000 TBC
IL: 4.460 TBC

NEW SW01
CL: 4.100
IL: 2.975

NEW FW03
CL: 4.350
IL: 3.100

NEW SW05 – PUMP CHAMBER
DUTY AND STANDBY PUMPS EACH CAPABLE OF DISCHARGING 5L/S
CL: 4.325
IL: 2.690 (INCOMING PIPE)

NEW SW03
CL: 4.400
IL: 2.800

NEW SW04
CL: 4.425
IL: 2.710

UNDERGROUND ATTENUATION SYSTEM
INVERT LEVEL: 2.735–2.825
STORAGE STRUCTURE DEPTH: 630mm
3 NO. POLYSTORM XTRA (TBC) CRATES DEEP
AVAILABLE STORAGE VOLUME: 32.0m³

NEW FW02
CL: 4.900
IL: 2.875

NEW FW01
CL: 4.900
IL: 2.850 TBC

EXISTING HIGHWAY DRAIN
UNSURVEYED POSITION
(HEAVILY SILTED)
CL: 4.980
IL: UNKNOWN

EXISTING ANGLIAN WATER
FOUL WATER MH
REF: 0601
CL: 4.930
IL: 2.640 TBC

PLOT 10 FFL 4.300
PLOT 11 FFL 4.300
PLOT 9 FFL 4.400
PLOT 8 FFL 4.500
PLOT 1 FFL 5.050
PLOT 2 FFL 5.050
PLOT 3 FFL 5.050
PLOT 4 FFL 5.050
PLOT 5 FFL 4.950
PLOT 6 FFL 4.950
PLOT 7 FFL 4.950

1:50 FALL
1:185 FALL
225ø @ 1:170
150ø @ 1:150

A152 / HIGH STREET

EXISTING 150ø PIPE

OVERHEAD CABLE

WOODEN CLOSE BOARD FENCE (METAL POSTS)

METAL PALISADE FENCE

OVERHANGING HEDGE & TREES

ROUGH GROUND

GRAVELLY STONE SURFACE

CONCRETE SURFACE

TARMAC FOOTPATH

TARMAC ACCESS ROAD

STEEL CONTAINER

METAL GATES

SECURITY GATE

SHED

FACTORY

COMMERCIAL PREMISES

DWELLINGS

LIGHT DUTY DOMESTIC CROSSING

RIDGE 10.81
RIDGE 10.74
RIDGE 12.36
RIDGE 13.73
RIDGE 13.22

EAVES 8.70
EAVES 8.07
EAVES 7.16
EAVES 10.20
EAVES 11.30
EAVES 11.47

FN TOP 5.94
FN TOP 5.72
FN TOP 5.99
FN TOP 6.69
FN TOP 6.46 PANEL FENCE
FN TOP 5.21

4.100
4.250
4.300
4.200
4.400
4.500
4.900
4.780

KEY:

- EXISTING FOUL WATER – AWS
- EXISTING FOUL WATER – PRIVATE
- EXISTING SURFACE WATER – LCC HIGHWAYS
- PROPOSED FOUL WATER DRAIN – MAN. CO.
- PROPOSED FOUL WATER CHAMBER – MAN. CO.
- PROPOSED FOUL DRAIN – PRIVATE
- PROPOSED FOUL INSPECTION CHAMBER – PRIVATE
- PROPOSED SURFACE WATER DRAIN – MAN. CO.
- PROPOSED SURFACE WATER RISING MAIN – MAN. CO.
- PROPOSED SURFACE WATER CHAMBER – MAN. CO.
- PROPOSED ROAD GULLY & LATERAL – MAN. CO.
- PROPOSED DISHED CONCRETE CHANNEL – MAN. CO.
- PROPOSED SURFACE WATER DRAIN – PRIVATE
- PROPOSED SURFACE INSPECTION CHAMBER – PRIVATE
- PROPOSED UNDERGROUND ATTENUATION TANK – MAN. CO.
- EXISTING SITE LEVEL
- PROPOSED SITE LEVEL
- PROPOSED SURFACE FALL
- AREA A – PROPOSED DWELLING ROOFS TOTAL AREA: 610m²
- AREA B – TARMAC ACCESS ROAD (MANAGEMENT CO.) TOTAL AREA: 460m²
- AREA C – IMPERMEABLE BLOCK PAVED DRIVEWAYS – (PRIVATE/MANAGEMENT CO.) TOTAL AREA: 540m²

TOTAL DRAINED AREA: 1,610m²

DENOTES PROPOSED FLOOD EXCEEDANCE ROUTE

DRAWING TO BE READ IN CONJUNCTION WITH THE DRAINAGE STRATEGY REPORT SW 22-311-REP-01

PLEASE REFER TO DRAWING SW 22-311-011 FOR TYPICAL CONSTRUCTION DETAILS

N

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

REV.	DESCRIPTION	DRN.	APP.	DATE
–	FIRST ISSUE – FOR PLANNING.	MP	APW	16.05.23

SHIELDS WILSON
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STRUCTURAL AND CIVIL ENGINEERING

STATUS: FOR PLANNING

CLIENT: MAGNUM FABRICATIONS LTD.

PROJECT: PROPOSED RESIDENTIAL DEVELOPMENT
LAND AT MAGNUM FABRICATIONS,
HIGH STREET, DONINGTON, LINCS.

TITLE: PROPOSED DRAINAGE STRATEGY ARRANGEMENT

DATE	MAY '23	SCALE @A1 1:200	DRAWING NO. SW 22-331-010	REV. –
DRAWN	MP			

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