KEY:

- PROPOSED SURFACE WATER - PRIVATE
- PROPOSED FOUL WATER - RIVATE
- PROPOSED TREATED FOUL WATER - PRIVATE
- PROPOSED SURFACE WATER DRAINAGE CHANNEL
- +2.99 EXISTING GROUND LEVELS
- 3.060 PROPOSED GROUND LEVELS
- 1:150 FALL PROPOSED SURFACE FALLS
- PROPOSED TARMAC ROAD CONSTRUCTION
- PROPOSED TARMAC CAR PARK CONSTRUCTION
- PROPOSED TARMAC FOOTPATH CONSTRUCTION
- PROPOSED CONCRETE YARD CONSTRUCTION
- PROPOSED PAVING SLAB CONSTRUCTION
- PROPOSED GRAVEL CONSTRUCTION
- PROPOSED FLOOD EXCEEDANCE ROUTE

HW101
IL: 2.465

PROPOSED WET SWALE 02
TOP OF BANK LEVEL = 2.800
WATER LEVEL = 2.465
BED LEVEL = 2.315
BASIN SIDE SLOPES 1:3

RIP RAP OUTFALL TO DRAINAGE CHANNEL

HW102
IL: 2.465

SW02
CL: 3.250
IL: 2.575

ACO MultiDrain MD150D
185mm DEEP, D400 COVER

RE01
CL: 3.250
IL: 2.625

RE03
CL: 3.225
IL: 2.620

SW03
CL: 3.225
IL: 2.530

RE02
CL: 3.225
IL: 2.630

RE13
CL: 3.240
IL: 2.720

INTERNAL TREATED FOUL WATER COLLECTION CHAMBER

TFW01
CL: 3.195
IL: 2.385

SW15
CL: 3.240
IL: 2.530

HW118
IL: 2.435

HW119
IL: 2.380

HW120
IL: 2.380

PROPOSED WET SWALE 06
TOP OF BANK LEVEL = 2.900
WATER LEVEL = 2.435
BED LEVEL = 2.285
BASIN SIDE SLOPES 1:3

PROPOSED WET SWALE 07
TOP OF BANK LEVEL = 2.800
WATER LEVEL = 2.380
BED LEVEL = 2.230
BASIN SIDE SLOPES 1:3

EXISTING CULVERT TO BE CLEARED AT THE COMMENCEMENT OF WORKS ON SITE

EXISTING CULVERT
300ø TWINWALL
IL: ≈1.710

E 526446.035
N 322736.184
EL 3.091

TIMBER DAM,
TOP LEVEL 2.465

PROPOSED CONVEYANCE SWALE 03
TOP OF BANK LEVEL = 2.800
BED LEVEL = 2.465-2.175
BASIN SIDE SLOPES 1:3

PROPOSED CONVEYANCE SWALE 08
TOP OF BANK LEVEL = 2.800
BED LEVEL = 2.390-2.175
BASIN SIDE SLOPES 1:3

TIMBER DAM,
TOP LEVEL 2.380

PROPOSED ATTENUATION POND:
TOP OF BANK LEVEL: 2.800 (1790m²)
BENCH LEVEL: 2.175 (1390m²)
PERMANENT WATER LEVEL: 2.100 (515m²)
BED LEVEL: 1.500 (215m²)
BASIN SIDE SLOPES 1:3
BASIN STORAGE VOLUME = 1,065m³

HW103
IL: 2.250

HW130
IL: 2.100

HW131
ALTHON H3C
IL: 2.030

SW20
CL: 2.800
IL: 2.075

PROPOSED HYDROBRAKE CHAMBER TO RESTRICT DISCHARGE TO 1.1 LITRES/SECOND

PROPOSED FACTORY
FFL 3.400

Rangell Gate

B1165

RIPARIAN WATERCOURSE

ditch

Arable

554450 E

0 2.5 5 7.5 10 15 20 25m
1:250

REV.	DESCRIPTION	DRN.	APP.	DATE
B	MINOR DRAWING AMENDMENTS.	MP	APW	08.09.22
A	DRAWING GENERALLY DEVELOPED.	MP	APW	07.09.22
–	PRELIMINARY – FOR APPROVAL	MP	APW	MAR. 22

SHIELDS WILSON
e: info@shieldswilson.co.uk t: 01775 729252
STRUCTURAL AND CIVIL ENGINEERING

STATUS: FOR INFORMATION

CLIENT: NAYLORS NUTRITION

PROJECT: PROPOSED FACTORY PROJECT
ON LAND OFF RANGELL GATE,
LOW FULNEY, SPALDING, LINCS.

TITLE: PROPOSED DRAINAGE ARRANGEMENT
(SHEET 2 OF 2)

DATE	MAR. '22	SCALE @A1 1:250	DRAWING NO. SW 21-193-11	REV. B
DRAWN	MP			

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