KEY:

- EXISTING FOUL SEWER – AWS
- EXISTING FOUL RISING MAIN – AWS
- EXISTING HIGHWAY DRAIN – LCC
- EXISTING SURFACE WATER CULVERT – IDB
- PROPOSED FOUL WATER VACUUM SEWER – S104 ADOPTABLE
- PROPOSED FOUL WATER CHAMBER – S104 ADOPTABLE
- PROPOSED FOUL DRAIN – PRIVATE
- PROPOSED FOUL INSPECTION CHAMBER – PRIVATE
- PROPOSED SURFACE WATER SEWER – S104 ADOPTABLE
- PROPOSED SURFACE WATER CHAMBER – S104 ADOPTABLE
- PROPOSED SURFACE WATER DRAIN – PRIVATE
- PROPOSED SURFACE INSPECTION CHAMBER – PRIVATE
- PROPOSED ROAD GULLY & LATERAL – S38 ADOPTABLE
- PROPOSED FILTER DRAIN – S38 & 104 ADOPTABLE
- PROPOSED UNDERGROUND ATTENUATION TANK – PRIVATE
- EXISTING SITE LEVEL
- PROPOSED SITE LEVEL
- PROPOSED SURFACE FALL
- AREA A – PROPOSED TARMAC ROAD/FOOTPATH/FILTER DRAIN (S38 ADOPTABLE) TOTAL AREA: 1,980m²
- AREA B – PROPOSED TARMAC ROAD/FOOTPATH (S38 ADOPTABLE) TOTAL AREA: 210m²
- AREA C – PROPOSED DWELLING ROOFS TOTAL AREA: 2,760m²
- AREA D – PERMEABLE DRIVEWAYS TO INFILTRATE TO GROUND (PRIVATE/MANAGEMENT COMPANY) TOTAL AREA: 2,490m²
- TOTAL AREA TO PROPOSED DRAINAGE SYSTEM (AREAS A & C): 4,740m²

N

EXISTING ANGLIAN WATER FOUL WATER MH REF: 1701 UNSURVEYED POSITION CL: 3.062 TBC IL: 0.993 TBC

EXISTING 150ø PIPE

Limit Of Survey

NEW F00 CL: 0.000 IL: 1.095

NEW F05 CL: 3.050 IL: 1.130

NEW SW100 CL: 3.350 IL: 2.545

Area Of Development in progress

EXISTING 150ø PIPE

EXISTING HIGHWAY MH UNSURVEYED POSITION CL: 2.970 TBC IL: 1.750 TBC

EXISTING ANGLIAN WATER FOUL WATER MH REF: 1702 CL: 3.010 IL: 1.421 TBC

EXISTING 150ø PIPE

EXISTING HIGHWAY MH UNSURVEYED POSITION CL: 2.900 TBC IL: 1.500 TBC

EXISTING 150ø PIPE

NEW SW101 CL: 3.350 IL: 2.210

NEW F04 CL: 2.850 IL: 1.595

NEW F02 CL: 3.350 IL: 1.805

NEW F01 CL: 3.500 IL: 2.500

NEW S10 CL: 3.350 IL: 2.145

NEW S11 CL: 3.350 IL: 2.095

NEW S12 CL: 3.250 IL: 1.990

NEW S13 CL: 3.170 IL: 1.890

NEW S04 CL: 3.200 IL: 1.725

NEW S02 CL: 3.360 IL: 1.875

NEW S01 CL: 3.295 IL: 2.145

NEW S03 CL: 3.085 IL: 1.745

NEW HW01 PCC HEADWALL PIPE IL: 1.510

PLOT 1
PLOT 2
PLOT 3
PLOT 4
PLOT 5
PLOT 6
PLOT 7
PLOT 8
PLOT 9
PLOT 10
PLOT 11
PLOT 12
PLOT 13
PLOT 14
PLOT 15
PLOT 16
PLOT 17
PLOT 18
PLOT 19
PLOT 20
PLOT 21
PLOT 22
PLOT 23
PLOT 24
PLOT 25
PLOT 30
PLOT 31
PLOT 32
PLOT 33
PLOT 34

Mixed Hedgrow 7b

Arable Land

Edge of River Water Edge

Limit Of Survey

1:300 FALL

1:27 FALL

1:26 FALL

1506 @ 1:150

2254 @ 1:170 PN 1.002

2254 @ 1:170 PN 1.005

3756 @ 1:325 PN 1.003

3004 @ 1:250 PN 1.004

3004 @ 1:250 PN 1.001

3004 @ 1:250 PN 1.000

FIRST 25m OF ADOPTABLE HIGHWAY TO DRAIN INDEPENDENTLY FROM THE PROPOSED SITES DRAINAGE SYSTEM. THIS AREA IS TO DRAIN VIA GULLIES TO AN EXISTING HIGHWAY DRAIN WHICH DISCHARGES TO SHIDB SYSTEM. UN-RESTRICTED DISCHARGE AGREED IN PRINCIPLE BY SHIDB

SOUTH HOLLAND IDB MAINTAINED DRAIN REFERENCE: P60 WHAPLODE RIVER SILT LEVEL: 0.80m AOD WATER LEVELS: 1:2 YEAR = +1.70m AOD 1:30 YEAR = +2.10m AOD 1:100 YEAR = +2.42m AOD 1:100+CC YEAR = +2.63m AOD

PROPOSED FLOW CONTROL CHAMBER: TO BE FITTED WITH HYDROBRAKE TO RESTRICT DISCHARGE TO 5.00L/S (PRACTICAL MIN. RATE PREFERED BY ANGLIAN WATER, TO PROVIDE MIN. 100mm ORIFICE TO CURRENT SSG DCG) DISCHARGE RATE AGREED IN PRINCIPLE WITH SOUTH HOLLAND IDB

UNDERGROUND ATTENUATION SYSTEM INVERT LEVEL: 1.750 STORAGE STRUCTURE DEPTH: 400mm AVAILABLE STORAGE VOLUME: 239.4m³

LOCAL AREA FOR PLAY

PUBLIC OPEN SPACE

9m SHIDB EASEMENT ZONE

EXISTING ANGLIAN WATER FOUL WATER MH REF: 1600 CL: 2.900 IL: 1.880 TBC

EXISTING HIGHWAY HEADWALL UNSURVEYED POSITION IL: 1.200 TBC

Un inhabited

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

REV.	DESCRIPTION	DRN.	APP.	DATE
B	MINOR UPDATES FOR CLARITY.	MP	APW	05.08.22
A	DRAWING GENERALLY DEVELOPED FOLLOWING MEETING WITH SHIDB.	MP	APW	18.07.22
–	PRELIMINARY – FOR INFORMATION.	MP	APW	24.05.22

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

STATUS: FOR INFORMATION

CLIENT: MR WELCH

PROJECT: PROPOSED RESIDENTIAL DEVELOPMENT LAND EAST OF STOCKWELL GATE, WHAPLODE, LINCOLNSHIRE

TITLE: PROPOSED DRAINAGE STRATEGY LAYOUT SHEET 1 OF 2 (NORTH)

DATE	SCALE @A1	DRAWING NO.	REV.
MAY '22	1:250	SW 22-150-002	B
DRAWN: MP			

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