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
- 3.67 EXISTING SITE LEVEL
- 3.000 PROPOSED SITE LEVEL
- 1:150 FALL 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

SUMMARY OF SURFACE WATER STORAGE:

STORM EVENT:	STORAGE VOLUME:	WATER LEVEL:	STORAGE LOCATION:
1:2	63m³	1.854	UNDERGROUND ATTENUATION
1:10	128m³	1.963	UNDERGROUND ATTENUATION
1:30	197m³	2.079	UNDERGROUND ATTENUATION
1:30 (SURCHARGED)	241m³	2.658	UNDERGROUND ATTENUATION
1:100+CC	458m³	2.929	UNDERGROUND ATTENUATION & POS DEPRESSION
1:100+CC (SURCHARGED)	503m³	2.980	UNDERGROUND ATTENUATION & POS DEPRESSION

THE ABOVE STORAGE DETAIL ARE TAKEN FROM DRAINAGE CALCULATIONS, 0.474HA IMPERMEABLE AREA WITH A 5L/S RESTRICTED OUTFLOW USING FEH RAINFALL DATA WITH A 10% ALLOWANCE FOR URBAN CREEP.

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

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STATUS: FOR INFORMATION

CLIENT: MR WELCH

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

TITLE: PROPOSED DRAINAGE STRATEGY LAYOUT SHEET 2 OF 2 (SOUTH)

DATE	MAY '22	SCALE @A1 1:250	DRAWING NO.	REV.
DRAWN	MP		SW 22–150–003	B

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