KEY:

- EXISTING FOUL VACUUM SEWER – AWS
- PROPOSED FOUL WATER VACUUM SEWER – S104 ADOPTABLE
- PROPOSED FOUL WATER CHAMBER – S104 ADOPTABLE
- PROPOSED FOUL DRAIN – PRIVATE
- PROPOSED FOUL INSPECTION CHAMBER – PRIVATE
- PROPOSED ROAD GULLY & LATERAL – S38 ADOPTABLE
- PROPOSED SURFACE WATER DRAIN – S38 ADOPTABLE
- PROPOSED SURFACE WATER FILTER DRAIN – S38 ADOPTABLE
- PROPOSED SURFACE WATER CHAMBER – S38 ADOPTABLE
- HATCHED AREA DENOTES PROPOSED LCC HIGHWAYS EASEMENT
- PROPOSED SURFACE WATER DRAIN – PRIVATE
- PROPOSED SURFACE WATER INSPECTION CHAMBER – PRIVATE
- EXISTING SITE LEVEL
- PROPOSED SITE LEVEL
- PROPOSED SURFACE FALL
- PROPOSED TACTILE PAVING
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- PROPOSED TREE (REFER TO LANDSCAPE ARCHITECTS DETAILS) ORANGE CIRCLE DENOTES TYPE A TREE ROOT BARRIER
- AREA A – PROPOSED TARMAC ROAD – S38 ADOPTABLE
- AREA B – PROPOSED TARMAC FOOTPATH / VEHICLE CROSSOVER – S38 ADOPTABLE
- AREA C – PERMEABLE BLOCK PAVED DRIVE CONSTRUCTION, TYPE A SYSTEM TO INFILTRATE – PRIVATE

ALL PRIVATE CONNECTIONS TO ADOPTABLE DRAINAGE TO BE A MINIMUM OF 100mm DIAMETER, CLAY AND LAID SOFFIT–SOFFIT. PLEASE REFER TO PLOT DRAINAGE DRAWINGS TO CONFIRM DIAMETERS AND GRADIENTS.

CHAPELGATE

WILL LANE

EXISTING 160ø VACUUM SEWER

TARMAC FOOTPATH

GRASS

CONCRETE

ROUGH GRASS

HAVENCOMBE

AVALON

GARAGE

SILO

DYKE

NEW H10 CL: 2.190 IL: 1.400

NEW H11 CL: 2.105 IL: 1.180

NEW H12 CL: 2.035 IL: 1.040

NEW H13 CL: 2.170 IL: 0.985

NEW H03 CL: 2.105 IL: 0.970

NEW H04 CL: 1.930 IL: 0.830

NEW H05 CL: 1.760 IL: 0.635

NEW H06 CL: 1.710 IL: 0.510

NEW H07 CL: 1.660 IL: 0.470

NEW H21 CL: 1.850 IL: 0.740

NEW HW10 PIPE IL: 0.600

NEW HW11 PIPE IL: 0.575

NEW HW01 PIPE IL: 0.250

New VS01 CL: 1.950

New VS02 CL: 2.320

New VS03 CL: 2.310

New VS04 CL: 1.900

New VS05 CL: 2.220

PROPOSED ATTENUATION BASIN:–
'SWALE' IN BASIN BED TO STORE
APPROXIMATELY 1:10 YEAR STORM EVENT
BANK TOP LEVEL: 1.775 (558m²)
BED LEVEL: 1.175 (406m²)
SWALE BED LEVEL: 0.575
TOTAL BASIN VOLUME: 335m³
FSR MAX. WATER LEVEL: 1.401 138m³ (1:100+CC)
FEH MAX. WATER LEVEL: 1.600 235m³ (1:100+CC)

PROPOSED FLOW CONTROL CHAMBER: TO BE FITTED WITH HYDROBRAKE TO RESTRICT DISCHARGE TO 2.50L/S

PLOT 1 FFL 2.200
PLOT 2 FFL 2.200
PLOT 3 FFL 2.200
PLOT 4 FFL 2.200
PLOT 5 FFL 2.325
PLOT 6 FFL 2.450
PLOT 7 FFL 2.450
PLOT 12 FFL 2.300
PLOT 13 FFL 2.200
PLOT 14 FFL 2.200
PLOT 15 FFL 2.300
PLOT 16 FFL 2.400
PLOT 26 FFL 2.550
PLOT 27 FFL 2.500
PLOT 28 FFL 2.500
PLOT 29 FFL 2.500
PLOT 30 FFL 2.500

6.0m EASEMENT

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

REV.	DESCRIPTION	DRN.	APP.	DATE
P1	PLOTS 1 & 2 FFL'S UPDATED.	SW	APW	18.10.22
–	PRELIMINARY – FOR COMMENT.	MP	APW	14.06.22

SHIELDS WILSON
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STRUCTURAL AND CIVIL ENGINEERING

STATUS: FOR INFORMATION

CLIENT: SCENIC HOMES

PROJECT: PROPOSED RESIDENTIAL DEVELOPMENT LAND OFF CHAPLE GATE, SUTTON ST. JAMES, SPALDING, LINCS. PE12 0EJ

TITLE: SECTION 104
PROPOSED DRAINAGE ARRANGEMENT
(SHEET 1 OF 2)

DATE	MAY '22	SCALE @A1 1:250	DRAWING NO. SW 21–117–121	REV. P1
DRAWN	MP			

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