



LEGEND

- FOUL WATER SEWER
- SURFACE WATER SEWER
- FOUL WATER MANHOLE
- FOUL WATER INSPECTION CHAMBER (PIC)
- SURFACE WATER MANHOLE
- SURFACE WATER INSPECTION CHAMBER
- SURFACE WATER DRAINAGE CHANNEL (ACO TYPE)
- CONCRETE DISHED CHANNEL WITH YARD GULLIES
- PERMEABLE PAVING
- PODIUM ATTENUATION
- GEOCELLULAR CRATE ATTENUATION

NOTE:
REFER TO DRAWING C151867/C/102 FOR LOCATIONS OF GREEN AND BLUE ROOF

- NOTES:**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH C151867/C/001, C151867/C/101 AND C151867/C/102.
 - THE LOCATION OF EXISTING MANHOLES, PIPE SIZES, PIPE TYPE AND INVERT LEVELS TO BE CONFIRMED BY CONTRACTOR.
 - CONDITION OF EXISTING DRAINAGE CONNECTIONS FROM SITE TO BE CONFIRMED AND RETAINED IF FEASIBLE.

MAX DISCHARGE FROM BLUE ROOF 0.6l/s

PERMEABLE PAVING (PP1 +2)
DEPTH OF ATTENUATING SUBBASE 0.30m
IL = VARIES

PERMEABLE PAVING (PP4 +PP5)
DEPTH OF ATTENUATING SUBBASE 0.25/ 0.47m
IL = VARIES

GEO CELLULAR CRATES (GC1)
DEPTH = 400mm
VOLUME = 200m³
IL = 30.00

DRAINAGE LAYOUT IS SUBJECT TO FURTHER DESIGN DEVELOPMENT DURING DETAILED DESIGN

SUNKEN TREE PITS . WATER TO ENTER VIA KERB INLETS. PERFORATED PIPE TO DRAIN EXCESS

GEO CELLULAR CRATES (GC2)
DEPTH = 500mm
VOLUME = 180m³
IL 29.00

PODIUM ATTENUATION (BLUE ROOF)
DEPTH = 100mm
VOLUME = 90m³
IL = TBC

PODIUM ATTENUATION (BLUE ROOF)
DEPTH = 100mm
VOLUME = 160m³
IL = TBC

SMH 67.2
CL 30.99
IL 29.29
FLOW CONTROL MANHOLE
DISCHARGE RATE 14.1L/S
(1 IN 100yr + 40%)

SMH 74.1
CL 30.33
IL 28.97
FLOW CONTROL MANHOLE
DISCHARGE RATE 18.0L/S
(1 IN 100 yr +40%)
REFER DISCHARGE TABLE

MAX DISCHARGE FROM BLUE ROOF 1.3l/s

CONNECTION TO EXISTING THAMES WATER FOUL MANHOLE (8106)
CL 31.13
IL 29.08

FLOW CONTROL MANHOLE
DISCHARGE RATE 11.1L/S
(1 IN 100yr + 40%)
CL 30.89
IL 29.72

CONNECTION TO EXISTING THAMES WATER FOUL MANHOLE (9101)
CL 30.96
IL 28.74

DRAINAGE AT LOWER LEVEL COLLECTING PODIUM OUTLETS TO CONNECT TO SMH 67.1. FLOW CONTROLS TO LIMIT DISCHARGE TO 68.4l/s (1 IN 100yr + 40%) REFER DISCHARGE TABLE

CONNECTION TO EXISTING THAMES WATER FOUL MANHOLE (9102)
CL 30.81
IL 28.25

CONNECTION TO EXISTING THAMES WATER MANHOLE (9103)
CL 30.77
IL 29.18

CONNECTION TO EXISTING THAMES WATER FOUL MANHOLE (0005)
CL 30.59
IL 27.85

SMH 74.2
NEW MANHOLE TO BE CONSTRUCTED OVER EXISTING SEWER LINE IN ACCORDANCE WITH COUNCIL'S REQUIREMENTS.
CL 30.29
IL 28.86 (TBC)

CONNECTION EXISTING THAMES WATER FOUL MANHOLE (1002)
CL 30.35
IL 27.35

SURFACE WATER DISCHARGE RATES TO THAMES WATER SEWERS

TOTAL PROPOSED DISCHARGE L/S	RETURN PERIOD		
	1 IN 2 YR	1 IN 30 YR	1 IN 100 YR + 40%
	12.3L/S	31.6 L/S	44.5L/S

Rev	Date	Description	By	Ckd
P4	11.08.17	UPDATED IN ACCORDANCE WITH LBH COMMENTS	AB	JH
P3	21.04.17	UPDATED SITE LAYOUT	AB	JH
P2	27.01.17	SANDOW STREET & BUILDING H DRAINAGE	AB	JH
P1	25.01.17	PRELIMINARY ISSUE	AB	JH

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Client:

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Project Title:

FORMER NESTLÉ SITE
HAYES

Drawing Title:

PROPOSED DRAINAGE STRATEGY SHEET 2

Drawing Status:

PRELIMINARY ISSUE

Hydrock Job No:

C151867

Drawn: AB, Checked: JH, Scale @ A1: 1:500, Date: 27.01.17, Issue Date: 27.01.17

Drawing Number: **C151867/C/002**, Revision: **P4**