SFA 6

For off site surface water see drawing no 1507/04

Permitted discharge from the development as per AWS Pre Planning Report is 49 l/s up to the 100 year plus climate change event.
Calculated discharges from S23 Hydrobrake are:
2 year = 29.6 l/s
30 year = 38.2 l/s
100 year +30% climate change = 48.1 l/s
Pumps to be rated to comply with these discharge rates.

2.95m to provide sufficient cover to rising main.

193mmØ Hydrobrake Flow Control, fitted to S23.
invert level = 0.622m.
Rated at 45.0 l/s @ 1.5m head.
2 year storm = 29.6 l/s, water level = 1.264m
30 year storm = 38.2 l/s, water level = 1.715m
100 year + 30% cc storm = 48.1 l/s, water level = 2.363m

Public Open Space. This area to be retained at existing level to retain existing tree planting.

Public Open Space. Storage Area 3. cl:3.650 il:1.300 0.8m deep cellular crates (40m²)

Public Open Space. Storage Area 2. cl:3.000 il:1.300 0.8m deep cellular crates (70m²)

Storage Car Park 6. cl:3.000 il:1.500 1.0m thick subbase reservoir layer (197m²)

Storage Car Park 3. cl:3.350 il:2.000 0.5m thick subbase reservoir layer (251m²)

Storage Car Park 4. cl:3.350 il:1.500 1.0m thick subbase reservoir layer (189m²)

Storage Car Park 1. cl:3.100 il:1.500 1.0m thick subbase reservoir layer (246m²)

Car Park 7. (not used for surface water storage)

Public Open Space. Storage Area 1. cl:3.000 il:1.300 0.8m deep cellular crates (84m²)

Play Area.

Public Open Space. This area to be retained at existing level to retain existing tree planting.

Tree Pits as detail on Cyden Homes Ltd drg no 1850/4-B

Tegula Block Paved Courtyard Feature (see drg no 1507/11)

Build out 1.8m x 1.2m Column set back 1.6m (as detail on drg 1507/08)

DENSE TREES & SHRUBS (TO BE TRIMMED BACK SO AS NOT TO OVERHANG ADJACENT PROPERTY)

Domestic Curtilage Drainage Notes

Plot 05 DENOTES PLOT NUMBER
3.600 DENOTES SUGGESTED FINISHED FLOOR LEVEL
(2.56) DENOTES EXISTING GROUND LEVEL

150mm Ø SURFACE WATER SEWER (S104). (min 1:150 in domestic curtilage, min 1m/s scv on main lines).
100mm Ø (min 1:80) SURFACE WATER HOUSE DRAIN (PRIVATE).
150mm Ø (min 1:150) (11+ PLOTS) FOUL WATER SEWER (S104).
100mm Ø (min 1:80) 150mm Ø (min 1:150) FOUL WATER HOUSE DRAIN (PRIVATE).

RAINWATER PIPE ADAPTOR
SVP ADAPTOR
WB WASH BASIN / BATH / SHOWER ADAPTOR
WC WC ADAPTOR
BIG BACK INLET GULLY
RE RODDING EYE
YG YARD GULLY FITTED WITH 100mm OUTLET
POLYPROPYLENE ACCESS CHAMBER (PRIVATE) - STORM
POLYPROPYLENE MINI ACCESS CHAMBER (PRIVATE) - STORM
POLYPROPYLENE ACCESS CHAMBER (PRIVATE) - FOUL
POLYPROPYLENE MINI ACCESS CHAMBER (PRIVATE) - FOUL

POLYPROPYLENE ACCESS CHAMBERS (TYPE 3) TO BE USED UP TO 3.0m DEEP.
POLYPROPYLENE ACCESS CHAMBERS (TYPE 4) TO BE USED UP TO 2.0m DEEP SERVING MAX 3 PLOTS.
ALL CHAMBERS ON SEWERS AND LATERALS WITHIN GARDEN AREAS, FOOTWAYS AND DRIVEWAYS TO BE FITTED WITH BS EN 124 GRADE B125 COVERS.
CHAMBERS WITHIN PARKING COURTYARDS TO BE FITTED WITH BS EN 124 GRADE D 400 COVERS.
CHAMBERS WITHIN FOOTWAYS, DRIVEWAYS AND PARKING COURTYARDS TO BE PROVIDED WITH 150mm DEEP C20 CONCRETE COLLAR.
WHERE CHAMBERS ARE WITHIN 1.2m OF ANY BUILDING AND THE INVERT LEVEL OF THE CHAMBER IS MORE THAN 800mm DEEP ENSURE BUILDING FOUNDATION IS LOCALLY DEEPENED SO THAT BOTTOM OF FOUNDATION IS 150mm BELOW CHAMBER INVERT LEVEL.
DOMESTIC DRAINAGE TO BE UPVC OR CLAY.
100mm Ø DOMESTIC DRAINAGE (not S104) TO BE LAID NO FLATTER THAN 1:80 GRADIENT.
150mm Ø DOMESTIC DRAINAGE (not S104) TO BE LAID NO FLATTER THAN 1:150 GRADIENT.

REV B - Drainage to plots 24 - 31 amended - NS - 06.09.2016
REV A - DPC level of plots 101 & 102 garage increased by 50mm - NS - 30.08.2016

Supersedes	165-08-01-A		
Issued By		Date	

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Project Title	DeMontfort Park, Boston		
Drawing Title	Drainage Layout sheet 1 of 2		
Date April 2016	Drawn/ Checked by NS/	Drg No 165-08-01	
Floor Area	Scale @ A1 1 : 250	Revision B	