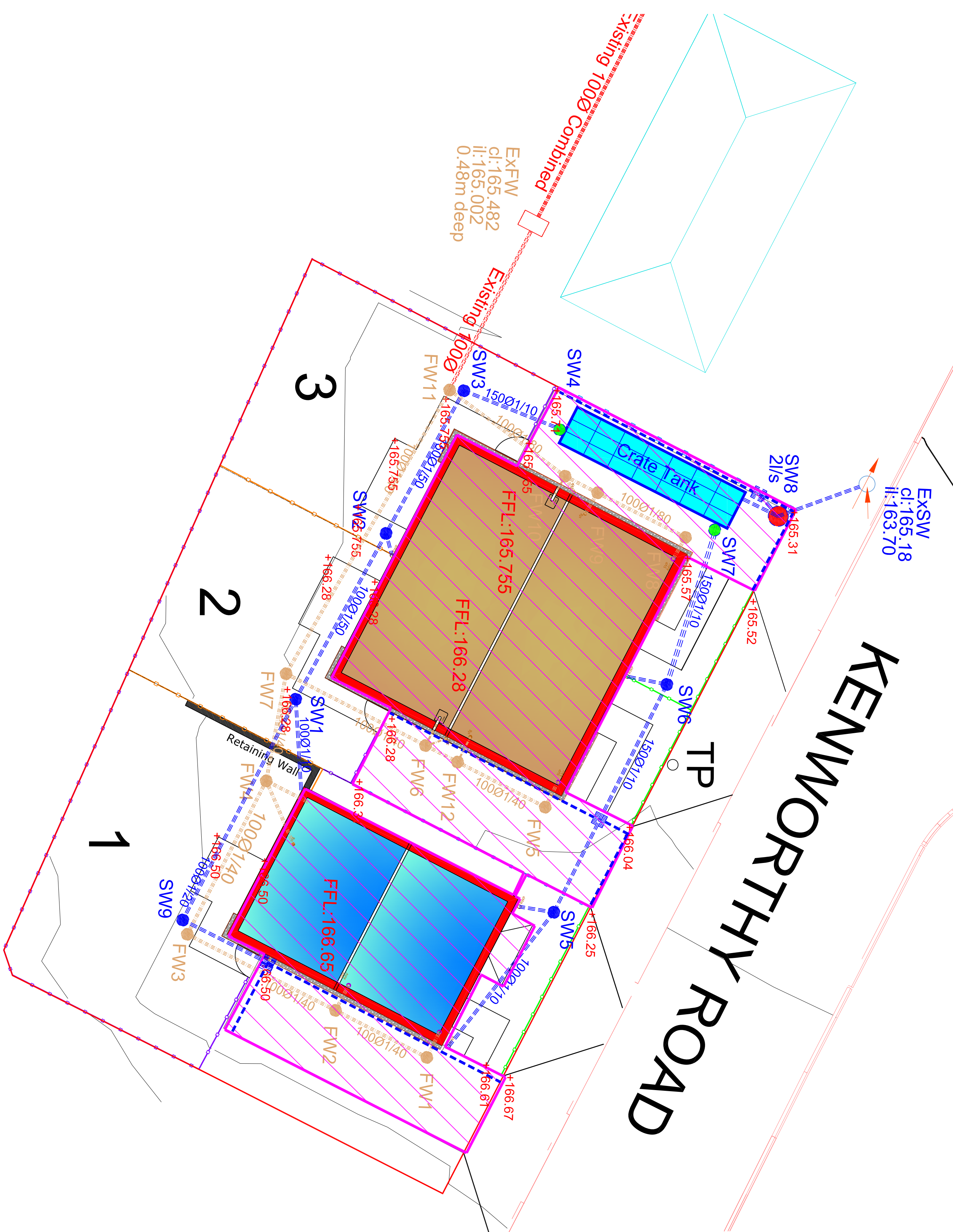
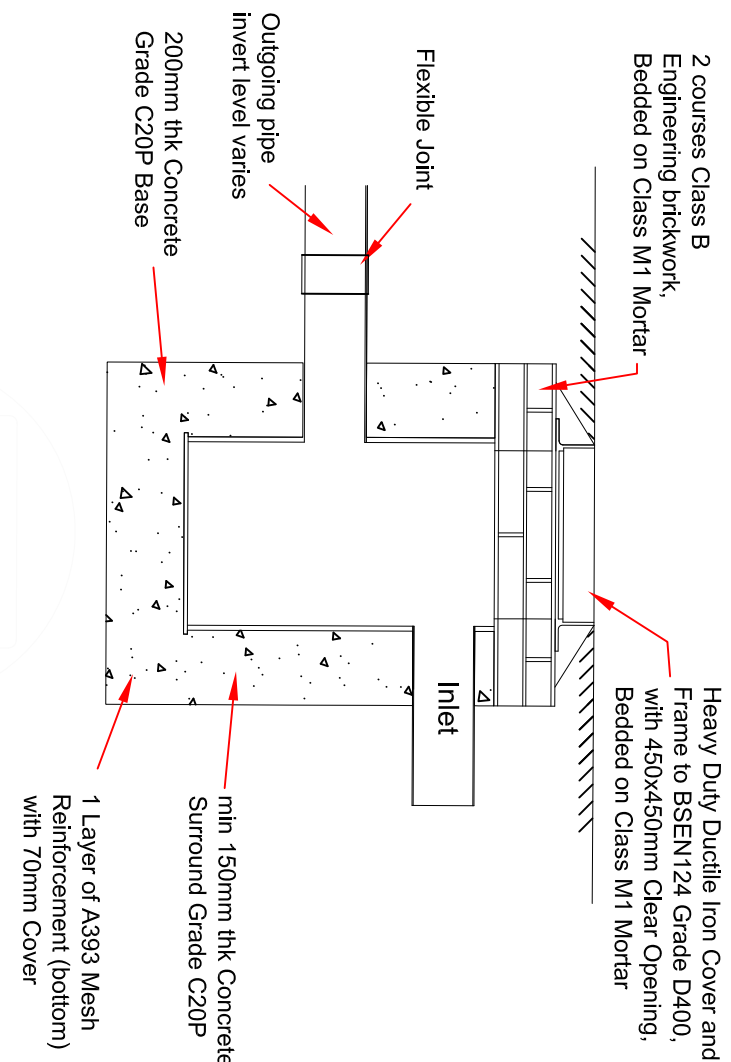
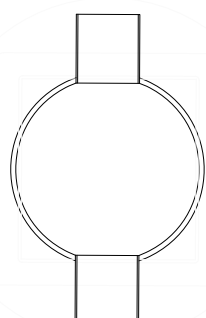


PLANNING APPROVAL DRAWING ONLY

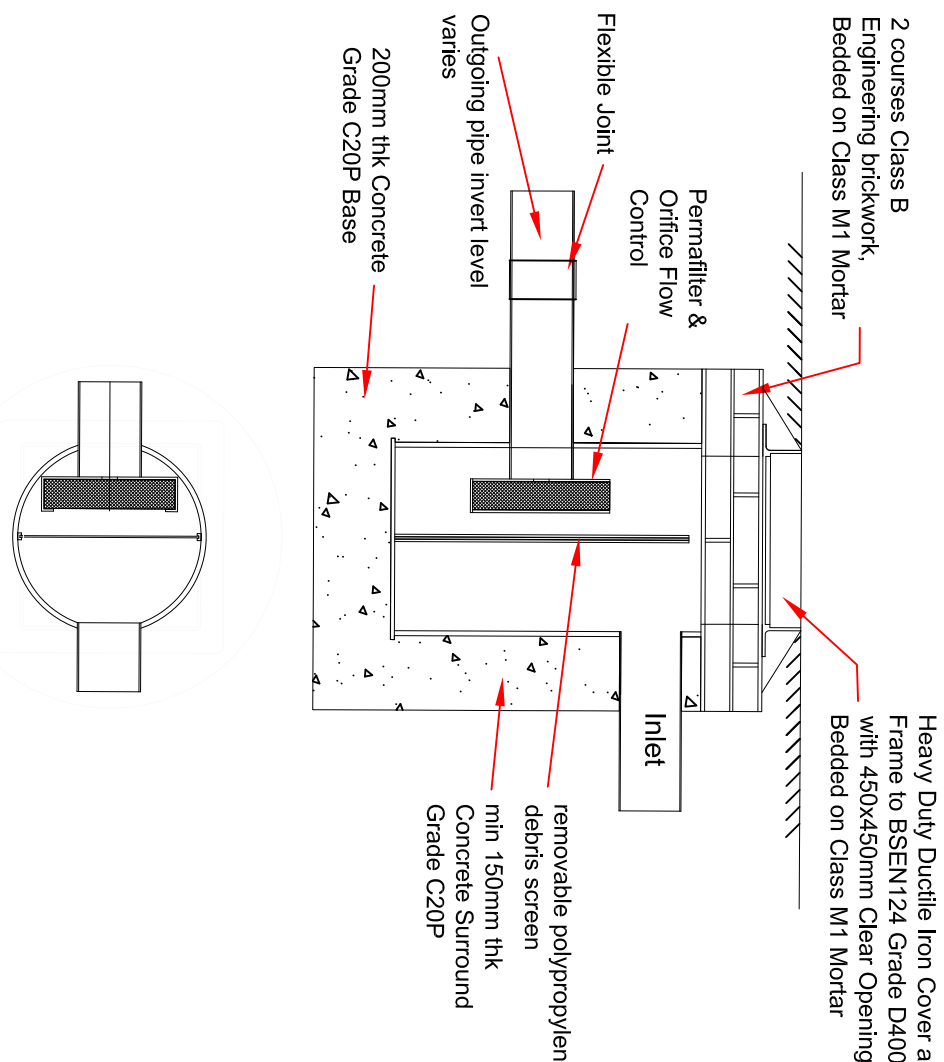
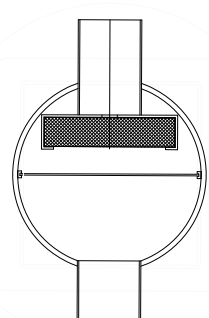


SURFACE WATER MANHOLE SCHEDULE						
MANHOLE REF:	PIPE OUTLET SIZE mm	PIPE MATERIAL	COVER LEVEL	INVERT LEVEL	DEPTH m	DEPTH to soffit
SW1	100	Polysewer	166.280	164.980	1.300	1.200
SW2	150	Polysewer	165.755	164.810	0.945	0.795
SW3	150	Polysewer	165.755	164.700	1.055	0.905
SW4	150	Polysewer	165.720	164.300	1.420	1.270
SW5	150	Polysewer	166.300	165.840	0.460	0.310
SW6	150	Polysewer	166.050	164.900	0.780	0.630
SW7	150	Polysewer	165.480	164.300	1.180	1.030
SW8	150	Polysewer	165.310	164.000	1.310	1.160
SW9	100	Polysewer	166.500	165.900	0.600	0.500

FOUL WATER MANHOLE SCHEDULE						
MANHOLE REF:	PIPE OUTLET SIZE mm	PIPE MATERIAL	COVER LEVEL	INVERT LEVEL	DEPTH m	DEPTH to soffit
FW1	100	Polysewer	166.500	165.900	0.600	0.500
FW2	100	Polysewer	166.500	165.800	0.700	0.600
FW3	100	Polysewer	166.500	165.650	0.850	0.750
FW4	100	Polysewer	166.500	165.480	1.020	0.920
FW5	100	Polysewer	166.120	165.540	0.580	0.480
FW6	100	Polysewer	166.240	165.510	0.730	0.630
FW7	100	Polysewer	166.280	165.380	0.900	0.800
FW8	100	Polysewer	165.570	165.230	0.340	0.240
FW9	100	Polysewer	165.670	165.180	0.490	0.390
FW10	100	Polysewer	165.700	165.160	0.540	0.440
FW11	100	Polysewer	165.755	165.100	0.655	0.555



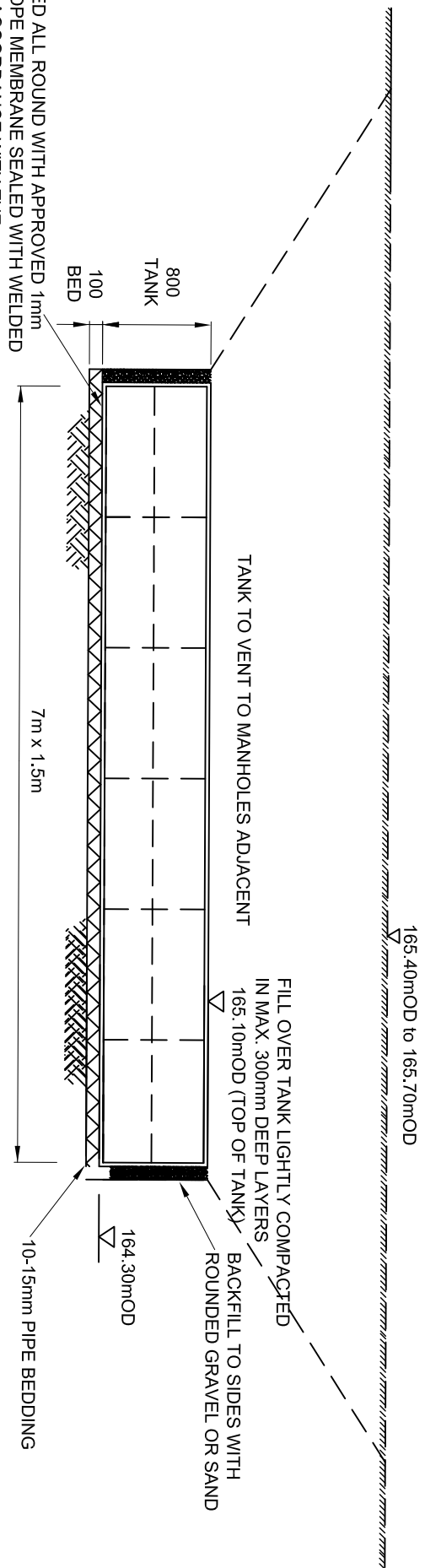
TYPICAL 750mmØ CATCHPIT INSPECTION CHAMER (MAXIMUM DEPTH 1200MM)
SCALE 1:20



TYPICAL 750mmØ CATCHPIT INSPECTION CHAMER INCORPORATING FLOW CONTROL AND DEBRIS DEVICE (MANHOLES SW8)
SCALE 1:20

FLOW CONTROL SCHEDULE

MH REF.	DISCHARGE LIMIT	ORIFICE DIAMETER
SW8	2l/s	29mm



CRATE TANK - CROSS-SECTION (1:50)

NOTES

1. Driveway and car park surfacing design and construction to Engineer's Specification (by others).
2. All dimensions are in millimetres unless otherwise stated.
3. Pre-cast concrete products shall comply with the relevant provisions of BS 5911.
4. Manhole covers and frames, grids and frames shall comply with the relevant provisions of BS EN 124. D400 class manhole cover to be used within trafficked areas. A15 class manhole cover to be used in untrafficked areas.
5. Do not scale from this drawing. If in doubt ask.

Proposed Discharge rate of 2l/s based on practical minimum.

Occupier should undertake inspection of sump manholes upstream of crate tank and clear when required.

All internal foul pipe work 100mm dia 1 in 40 gradient. Overflow from boiler 50mm diameter pipe.

KEY:

- Roofted & Paved Areas draining to crate tank 253m12
- Roofted areas to sealed downpipes

SW PPIC Manhole 450mm dia

SW PPIC Manhole with 300mm deep sump

SW PPIC Manhole with 300mm deep sump and control of 2l/s

FW PPIC Manhole 450mm dia

Existing Public Combined Manhole 0.46m deep. Sewer into site assumed gradient 1/80

Proposed Crate Tank 10.5m12 by 0.6m deep with minimum 0.5m cover. 100%+CC40% volume of 8.5m3

ACCO Drainage Channel

Silt Trap Gully

REV	DESCRIPTION	DATE
O	For Approval	04/05/19
A	For Approval	20/05/19
B	For Approval	17/06/19

EWE Associates Ltd

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7 Waverley Close
Sutton Upon Asher
DN15 9PT
Tel: 07875 972270

Email: lea.fawell@eweassociates.com

PROJECT
Kenworthy Street
Barnsley

CLIENT
NPS Barnsley

DRAWING TITLE
Drainage Layout & Details

SCALE	DATE
1 : 100	17/06/19
DRAWN BY	CHECKED BY
LJF	JF
REVISION	B

DRAWING No
EWE/2418/01