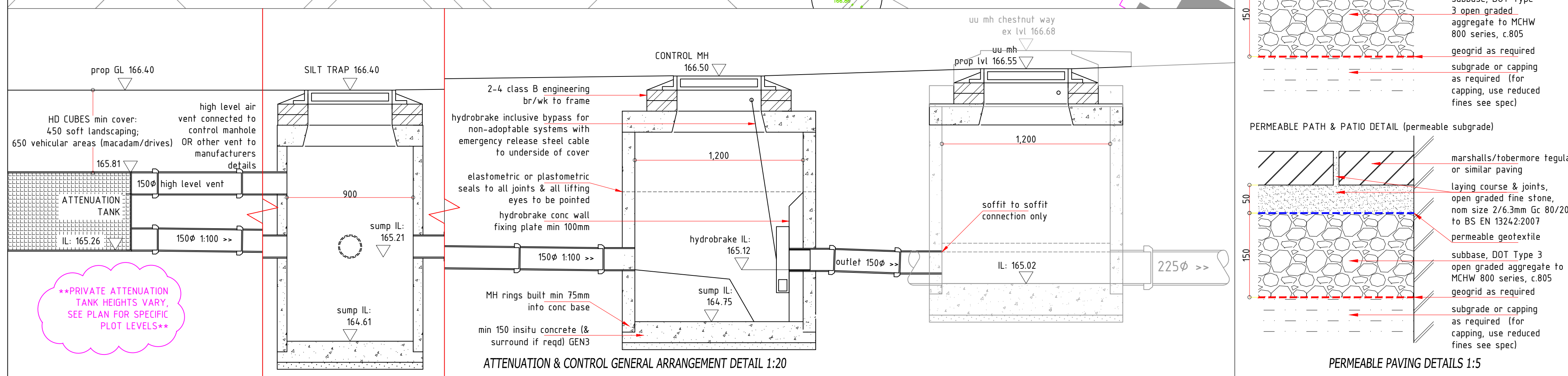
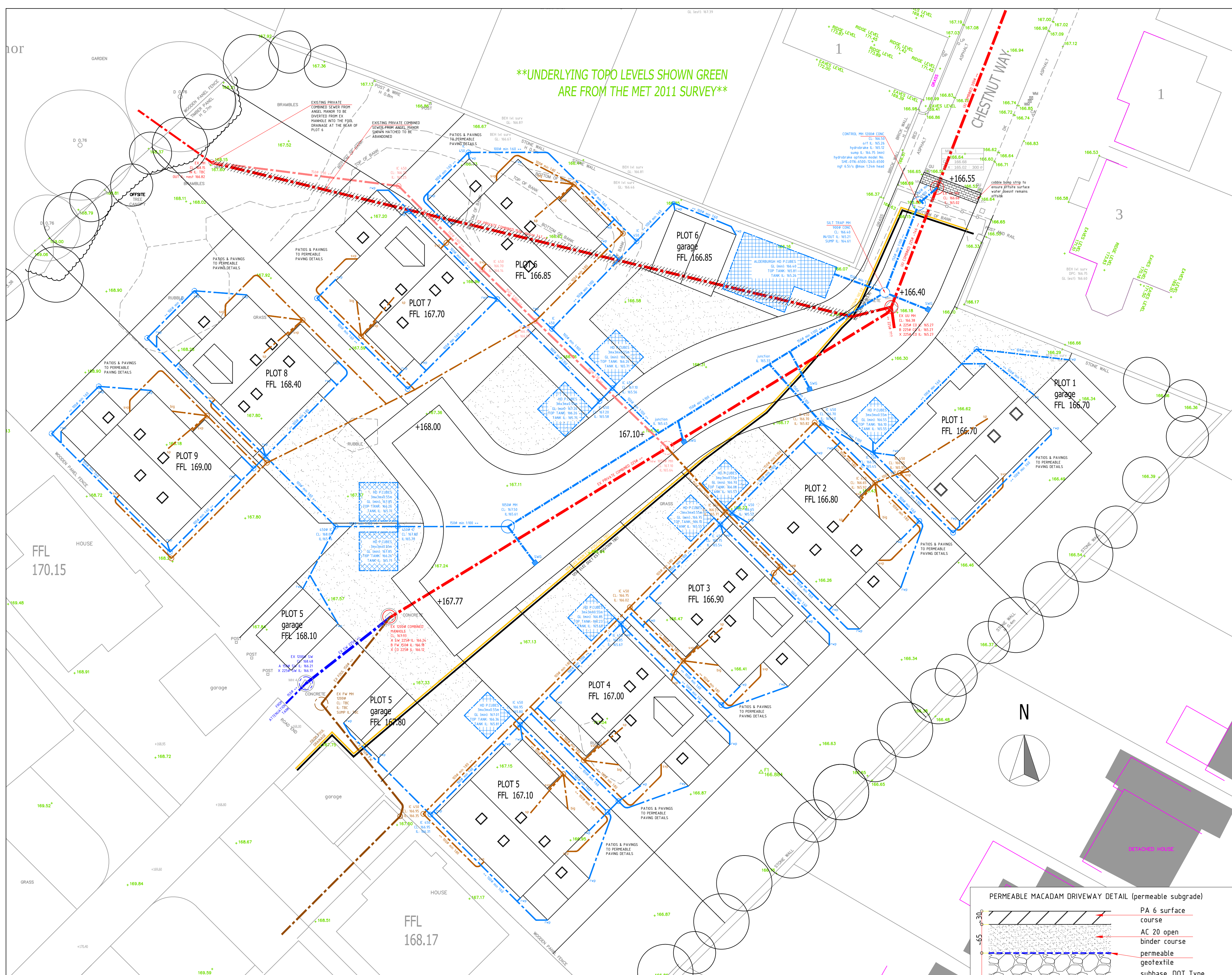




TYPICAL INSPECTION CHAMBER DETAIL - TYPE 3 (Flexible material detail)

Maximum depth from cover level to soffit of pipe in areas subject to vehicle loading 3 m, non-entry

Plastic chambers and rings shall comply with BS EN 13598-1 and BS EN 13598-2 or have equivalent independent approval

Mortar bedding and haunching to cover and frame to Clause DS.4

Surface course

Precast concrete slab or in-situ concrete slab to support cover and frame

Flexible seal

Temporarily cast shaft during construction

Access opening restricted to 350 mm diameter or 300 mm x 300 mm if depth of chamber to invert is > 1 m

Class B engineering brickwork or precast concrete cover frame sealing rings

DOT Type 1 sub-base (thickness varies)

Minimum internal dimensions 450 mm diameter or 450 mm x 450 mm

DOT Type 1 sub-base (thickness varies) or concrete surround

Base unit to have connections with soffit levels set to lower than that of the main pipe

Invert of connecting pipe at least 50 mm above that of the main pipe

ALTERNATIVE TOP DETAILS FOR LIGHT VEHICLE LOADING AND LANDSCAPED AREAS - TYPE 3

Plastic chambers and rings shall comply with BS EN 13598-1 and BS EN 13598-2 or have equivalent independent approval

Sited in domestic driveways or footways

Mortar bedding and haunching to cover and frame to Clause DS.4

150 mm deep concrete collar

Temporarily cast shaft during construction

Flexible seal

Access opening restricted to 350 mm diameter or 300 mm x 300 mm if depth of chamber to invert is > 1 m

Minimum internal dimensions 450 mm diameter or 450 mm x 450 mm

Sited in domestic gardens

Mortar bedding and haunching to cover and frame to Clause DS.4

Cover complying with BS EN 124 and BS 7903 Gardens - Class A15 See Clause D2.17

Access opening restricted to 350 mm diameter or 300 mm x 300 mm if depth of chamber to invert is > 1 m

Minimum internal dimensions 450 mm diameter or 450 mm x 450 mm

INSPECTION CHAMBER CONSTRUCTION DETAILS (NTS)

Depth from cover level to invert of pipe chamber less than 15 m, Maximum lateral drain diameter 225 mm

Mortar haunching to MH cover and frame Refer to Clause 5.6.7

Lifting eyes in concrete rings to be pointed

In-situ concrete to be GEN3 Designed to BR1 Special Digest 1 Concrete in Aggressive Ground

In-situ concrete to be GEN3 Designed to BR1 Special Digest 1 Concrete in Aggressive Ground

2-4 courses of Class B engineering bricks, concrete blocks or precast concrete cover frame sealing rings

min 150 conc surround in roads & car parks

all lifting eyes to be pointed

elastomeric or plastometric seals to all joints

The bottom precast section to be built into base concrete minimum 75 mm

SILT TRAP CONSTRUCTION DETAILS (NTS)

LOCATION PLAN 1:2000

PERMEABLE MACADAM DRIVEWAY DETAIL (permeable subgrade)

PA 6 surface course

AC 20 open binder course

permeable geotextile

subbase, DOT Type 3 open graded aggregate to MCHW 800 series, c.805

geogrid as required subgrade or capping as required (for capping, use reduced fines see spec)

PERMEABLE PATH & PATIO DETAIL (permeable subgrade)

marshalls/robmore tegula or similar paving

laying course & joints, open graded fine stone, nom size 2/6.3mm Gc 80/20 to BS EN 1242:2007

permeable geotextile

subbase, DOT Type 3 open graded aggregate to MCHW 800 series, c.805

geogrid as required subgrade or capping as required (for capping, use reduced fines see spec)

ATTENUATION & CONTROL GENERAL ARRANGEMENT DETAIL 1:20

2-4 class B engineering br/wk to frame

hydrobrake inclusive bypass for non-adaptable systems with emergency release steel cable to underside of cover

elastomeric or plastometric seals to all joints & all lifting eyes to be pointed

hydrobrake conc wall fixing plate min 100mm

MH rings built min 75mm into conc base

min 150 insitu concrete (& surround if reqd) GEN3

ATTENUATION TANK

HD CUBES min cover: 450 soft landscaping, 650 vehicular areas (macadam/drives) OR other vent to manufacturers details

high level air vent connected to control manhole

1500 high level vent

1500 1:100 >>

1500 1:100 >>

sump IL: 165.21

sump IL: 164.61

sump IL: 165.12

outlet 1500 >>

IL: 165.02

2250 >>

PERMEABLE PAVING DETAILS 1:5

DRAINAGE KEY

EXISTING FW SEWER

EXISTING COMBINED SEWER

EXISTING SW SEWER

PROPOSED PRIVATE FW

PROPOSED PRIVATE COMBINED SEWER

PROPOSED PRIVATE SW SEWER

GENERAL KEY

PERMEABLE DRIVEWAY refer to details

PLANNING

T J BOOTH ASSOCIATES

20A Eastgate Street

Lancashire

OL16 1DH

Tel: 01706 686288

CRH / Chestnut way, Littleborough, Rochdale

PROPOSED RESIDENTIAL DEVELOPMENT

DRAINAGE PLAN & DETAILS

FILE NAME: dwg-tjba-CRH-chestnut way-020922

SCALE: 1 : 200 @ A1