

Motor Haunching to Manhole
Cover & Frame

600mm Clear opening
Cover Frame to be Bedded on
Mortar

Reinforced Concrete Cover
Slab Bedded with Mortar
Proprietary Bitumen or Resin
Mastic Sealant

C20P Concrete Surround
150mm Thick

High Strength Concrete Together to be
Bored to a Depth of 200mm
Neatly Shaped & Finished to all
Branch Connectors
(Min Thickness 20mm)

Engineering or Special Purpose
Concrete Blockwork, 4 courses
(max 2 courses (min) and/or
Precast Concrete Cover Frame
Sealing Flange

NOTE: Inverts Formed
Generally using Channel Pipes

Joint to be as close as practicable to Face of
Manhole to Permit Satisfactory Joint &
Subsequent Movement

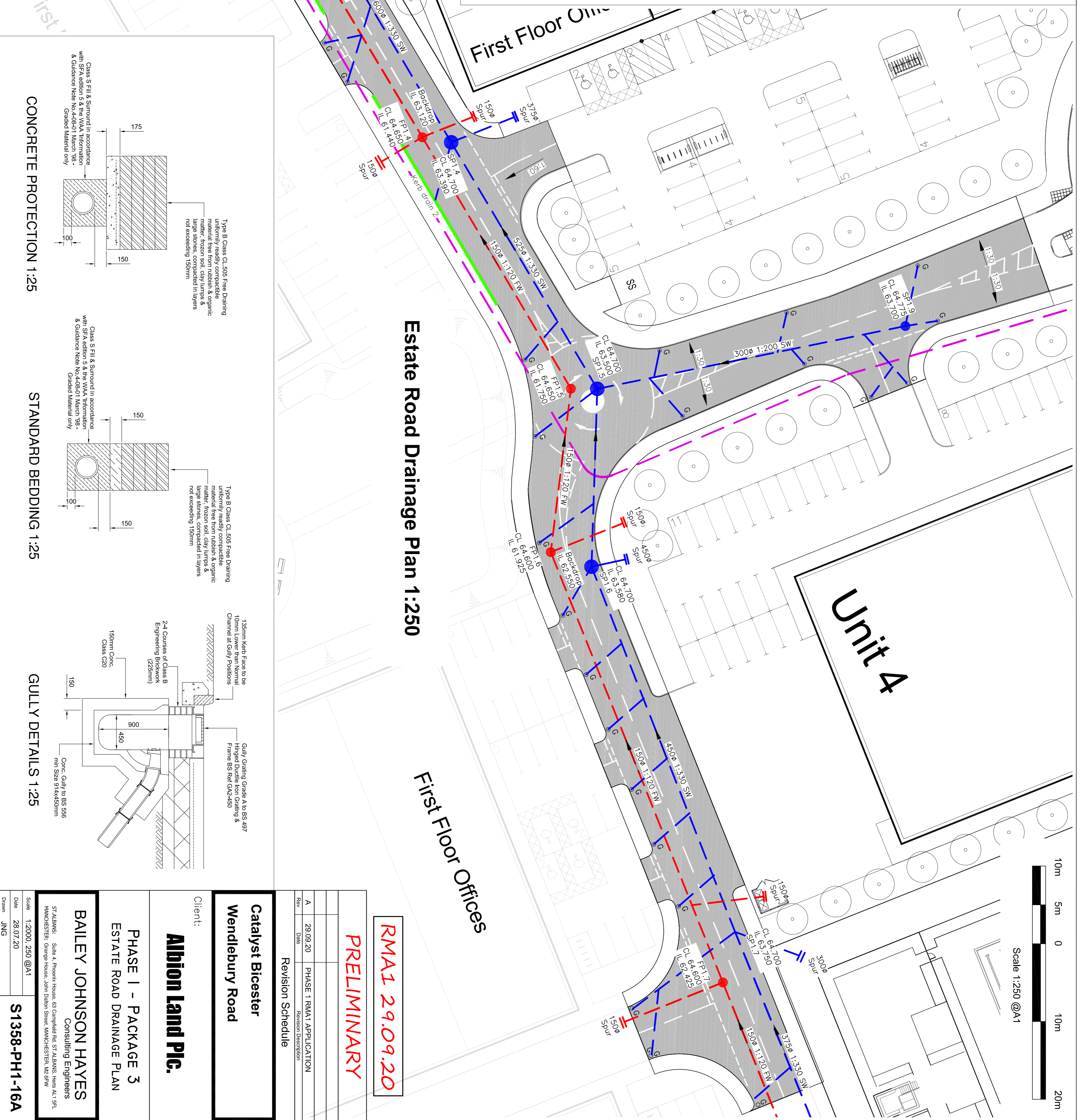
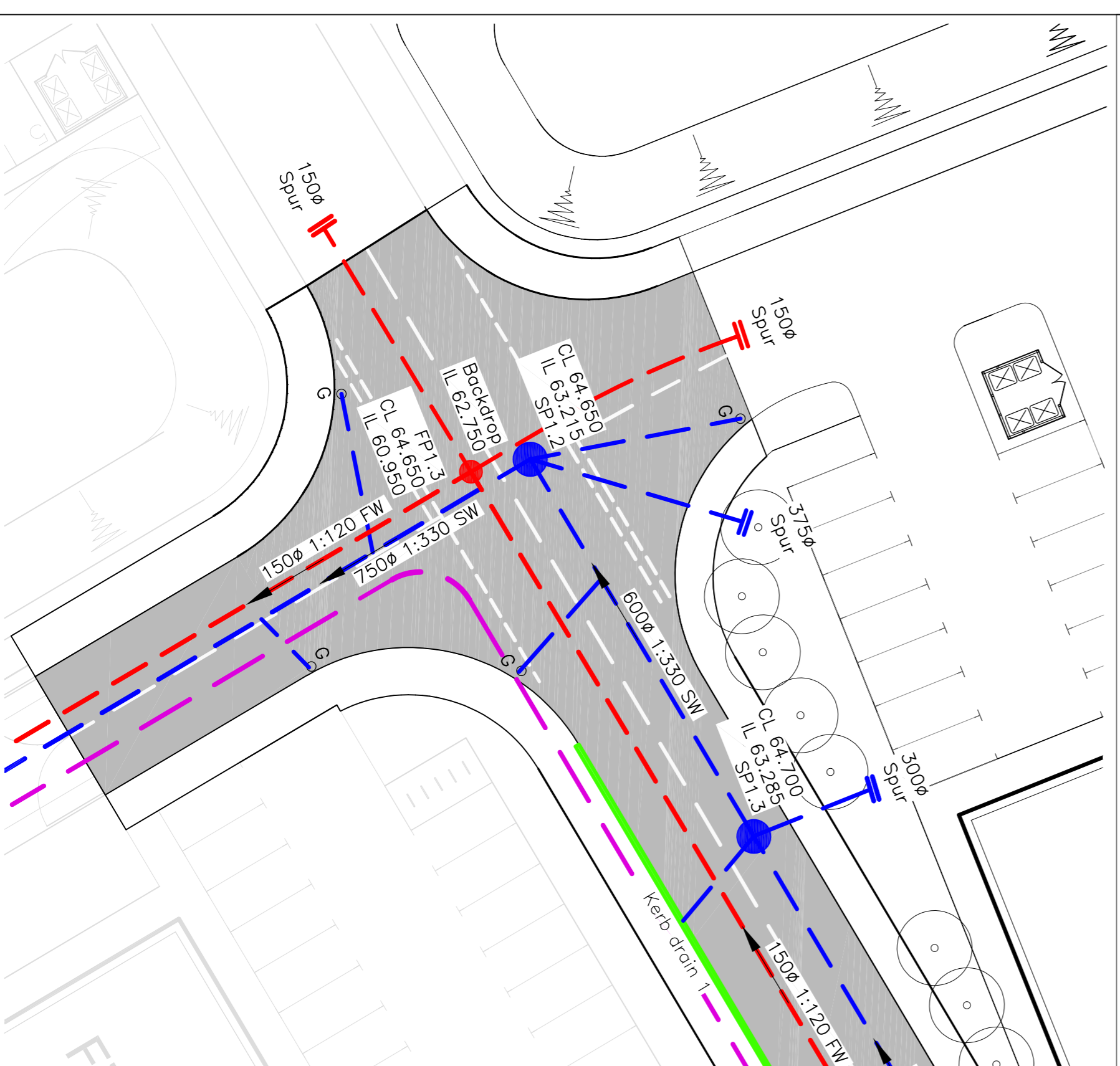
Pipe Diameter	Rocker Pipe Length
150 - 450	500 - 750
450 - 750	750 - 1000
> 750	Seek Guidance

NB: Tee Holes to be Provided in
Benching Slope to be not
later than 1 in 30

NB: Chambers with Outgoing Pipes
Greater than 600mm ϕ shall be
fitted with Guard Bars, Safety
Chairs or other Safety Devices

NB: THE SAFETY POLICY OF INDIVIDUAL SEWERAGE UNDERTAKERS MAY REQUIRE A LARGER
MINIMUM CLEAR OPENING INTO MANHOLES AND THE FITTING OF GUARD BARS, SAFETY
CHAIRS OR OTHER SAFETY DEVICES, IN MANHOLES WITH OUTGOING PIPES OF LESS THAN 600mm.

TYPICAL MANHOLE DETAILS 1:25



10m 5m 0 10m 20m

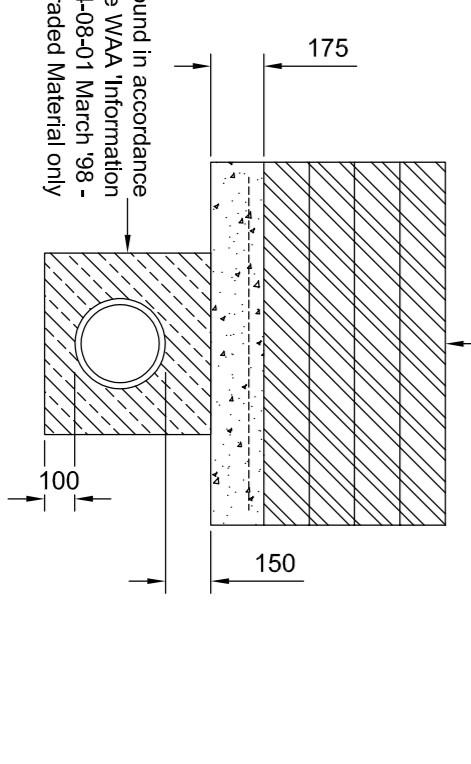
Scale 1:250 @A1

Estate Road Drainage Plan 1:250

First Floor Offices

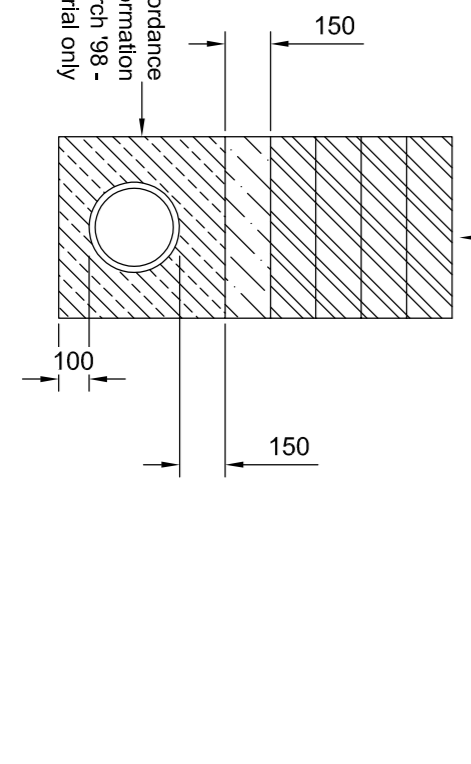
Unit 4

CONCRETE PROTECTION 1:25



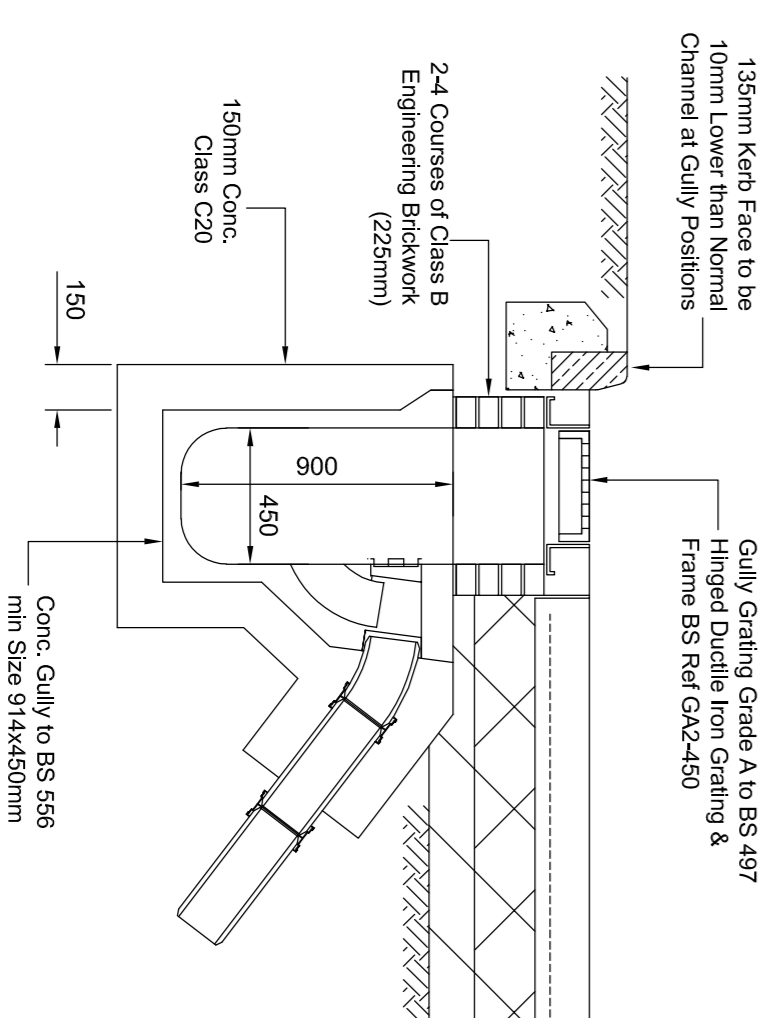
Type B Class CL 50/5 Free Draining
uniformly readily compatible
material free from rubbish & organic
matter, frozen soil, clay lumps &
large stones, compacted in layers
not exceeding 150mm

STANDARD BEDDING 1:25



Type B Class CL 50/5 Free Draining
uniformly readily compatible
material free from rubbish & organic
matter, frozen soil, clay lumps &
large stones, compacted in layers
not exceeding 150mm

GULLY DETAILS 1:25



135mm Kerb Face to be
10mm Lower than Normal
Channel at Gully Positions

2-4 Courses of Class B
Engineering Brickwork
(225mm)

150mm Conc.
Class C20

Gully Grating Grade A to BS 497
Hinged Ductile Iron Grating &
Frame BS Ref: GR2-450

Conc. Gully to BS 556
min Size 314x450mm

PRELIMINARY

RMA1 29.09.20

Rev	Date	Revision Description
A	29.09.20	PHASE 1 RMA1 APPLICATION

Revision Schedule

Catalyst Bicester
Wendlebury Road

Client:
Albion Land Plc.

PHASE 1 - PACKAGE 3
ESTATE ROAD DRAINAGE PLAN

BAILEY JOHNSON HAYES
Consulting Engineers

STABINS: Site 4 Phoenix House, 83 Campfield Rd, STABINS, Herts AL1 5PL
MANCHESTER: George House, John Dalton Street, MANCHESTER, M2 6JW

Scale: 1:2000, 250 @A1
Date: 28.07.20
Drawn: JNG

S1358-PH1-16A