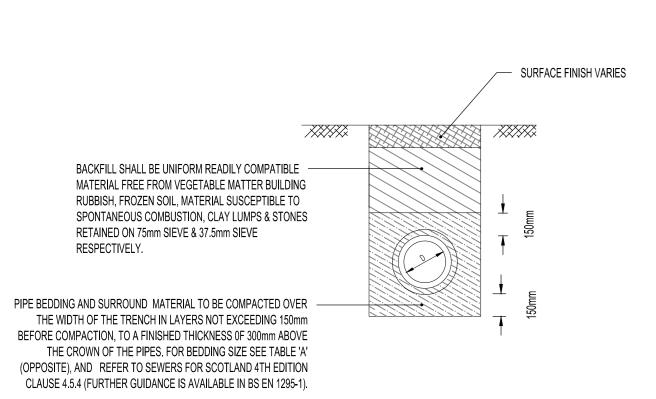


# MAXIMUM DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 3000mm



## **CLASS 'S' PIPE BEDDING DETAIL**

SCALE = 1:25

- RODDING EYE TO BE B125 & COMPLY WITH BS EN 124:2004, 300mm x 300mm CLEAR OPENING. 1-2 COURSE CLASS B ENGINEERING BRICK - 45° RADIUS BEND 150mm GRADE ST1 CONCRETE SURROUND (CONCRETE SURROUND CAN BE DELETED WHERE COVER TO PIPE EXCEEDS 1200mm

GULLY GRATING AND FRAME TO BS EN 124

- 150mm DRAINAGE OUTLET

150mm ST2 CONCRETE SURROUND (CL:508)

GULLY POT OF APPROVED TYPE AND

MANUFACTURE. POTS TO BE TRAPPED AND HAVE A CAPACITY OF 100 LITRES.

- 675mm X 675mm COVER & FRAME TYPE D400 TO BE BEDDED & HAUNCHED

(MANHOLES WITHIN BLOCK PAVED AREA TO HAVE RECESSED COVERS)

HEAVY DUTY PRECAST CONCRETE COVER

SLAB WITH 675mm SQUARE OPENING

PRECAST CONCRETE MANHOLE

SECTIONS AND COVER SLAB

PROPRIETARY BITUMEN OR

RESIN MASTIC SEALANT

BENDING SLOPE TO BE 1 IN 12

PIPE DIAMETER VARIES, DISTANCE FROM

TOP OF PIPE TO UNDERSIDE OF PRECAST

MANHOLE SECTION TO BE MINIMUM 50mm

200mm TO BARREL OF PIPE

75mm THICK BLINDING CONCRETE

MINIMUM WIDTH OF BENCHING TO BE 225mm

TO BE BEDDED WITH MORTAR,

WITH POLYESTER MANHOLE BEDDING MORTAR

PIPE TO BE WRAPPED IN GEOTEXTILE

MEMBRANE AT INLET TO FILTER TRENCH

CLASS D400 5-10MM BELOW ROAD LEVEL

HOT ROLLED ASPHALT ROAD-

SURFACE LEVEL

ENGINEERING BRICK TO

150mm ST2 CONCRETE -

150mm ST4 CONCRETE -SURROUND AT BASE (CL:508)

MORTAR HAUNCHING TO

MH COVER AND FRAME

1-3 COURSES CLASS B

ENGINEERING BRICKS,

CONCRETE BLOCKS OR PRECAST

CONCRETE COVER FRAME SEATING

ALL LIFTING EYES ON CONCRETE

MANHOLE RINGS TO BE SEALED

STEP RUNGS TO COMPLY WITH

THE RELEVANT PROVISIONS OF

BS EN 13101. STEP RUNGS TO BE

ENCAPSULATED STEPS.

GALVANISED MILD STEEL OR PLASTIC

GRANOLITHIC CONCRETE TOPPING TO

BE BROUGHT UP TO A DENSE SMOOTH

FACE NEATLY SHAPED AND FINISHED

INVERTS TO BE FORMED -

USING CHANNEL PIECES

TO ALL BRANCH CONNECTIONS

MINIMUM WIDTH OF BENCHING FOR -LANDING AREA TO BE 500mm

PIPE JOINT WITH CHANNEL

TO BE LOCATED MIN 100mm

INSIDE FACE OF MANHOLE

FIRST JOINT TO BE AS CLOSE TO MANHOLE BASE AS POSSIBLE. THIS SHOULD NOT EXCEED A CLEAR 100mm

FROM CONCRETE BASE AND MUST NOT BE ENCASED IN

THE CONCRETE BASE

TYPE 'B' PRECAST CONCRETE MANHOLE

MAXIMUM DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 3000mm

(MIN THICKNESS 50mm)

IN SITU ST4 CONCRETE BASE -

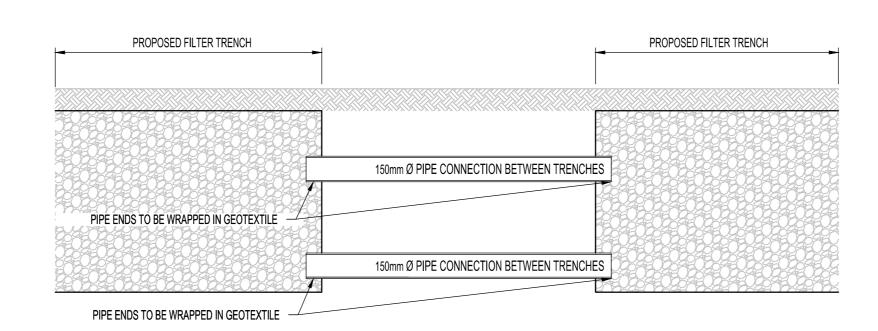
**ROAD GULLY DETAIL** 

SURROUND (CL:508)

(CL:2400)

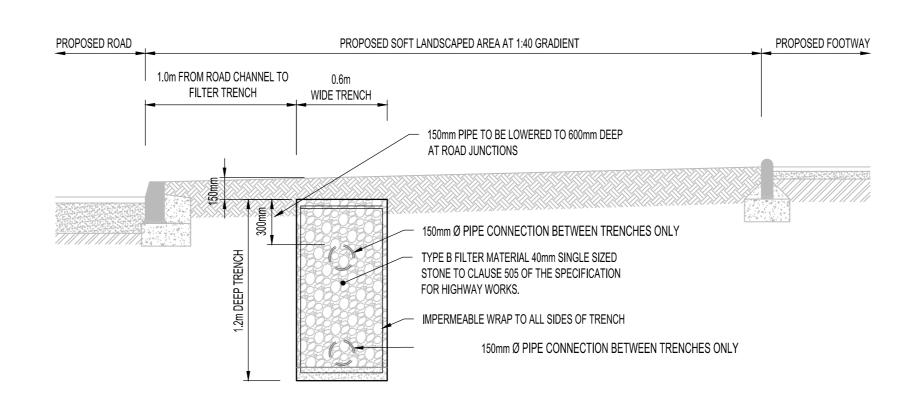
PROPOSED RODDING EYE DETAIL

SCALE = 1:25

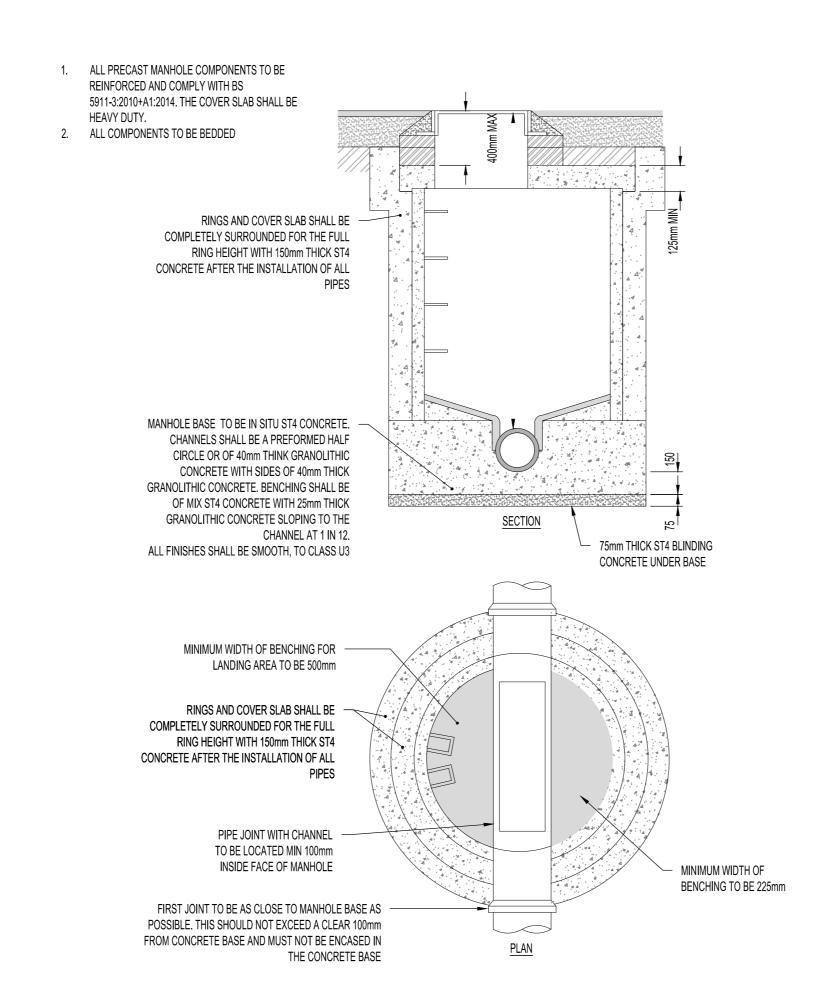


## PROPOSED SECTION AT FILTER TRENCH CROSSINGS

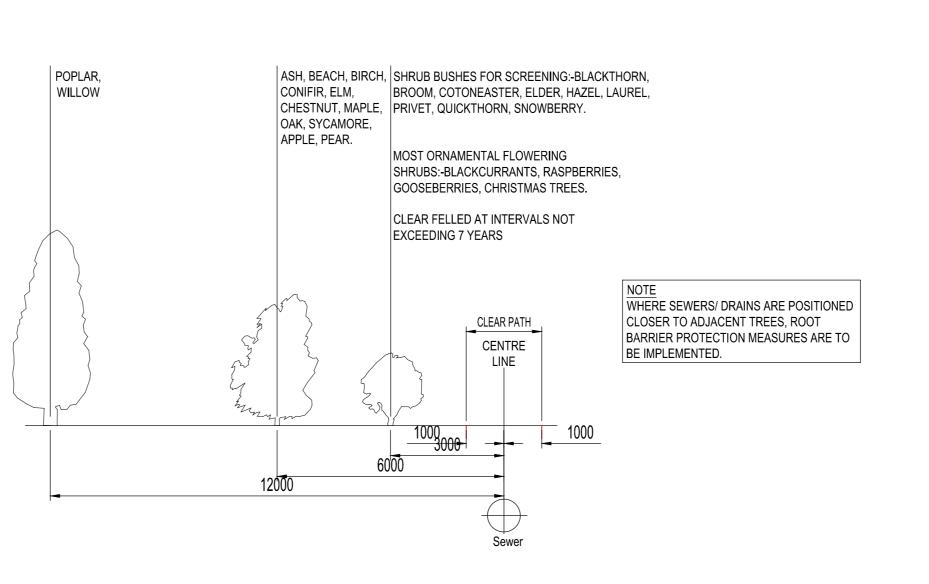
SCALE = 1:25



## **ROAD FILTER TRENCH DETAIL**



# TYPE 'B' PRECAST CONCRETE MANHOLE (WITHIN ADOPTED CARRIAGEWAY) MAXIMUM DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 3000mm

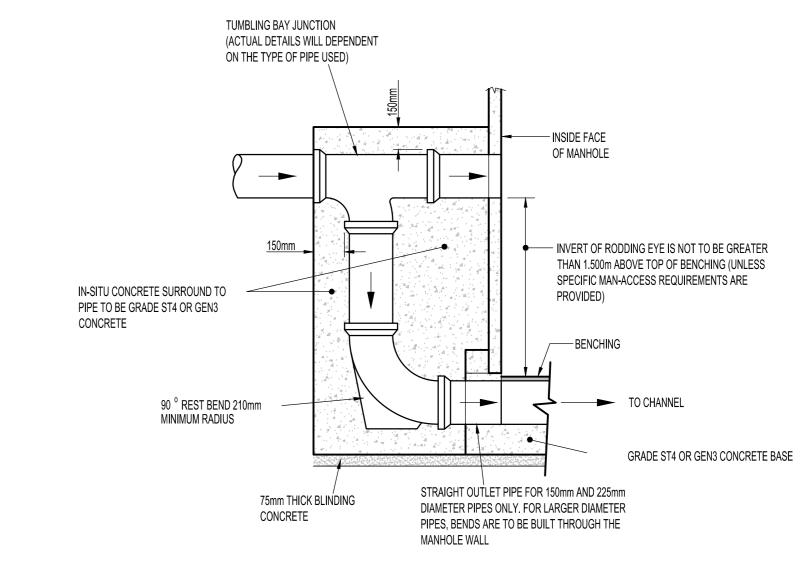


RESTRICTION ON TREE PLANTING NEXT TO SEWERS

SCALE = 1:100

MAXIMUM CF VALUE FOR ACCEPTABILITY NOMINAL MAXIMUM PARTICAL SIZE (mm) MATERIALS SPECIFIED IN PRESSURE PIPE PIPE NOMINAL BORE (mm) NON PRESSURE PIPE BRITISH STANDARD 0.15 10mm NOMINAL SINGLE SIZE 0 OR 14mm NOMINAL SINGLE SIZE OVER 100 TO 150 0.15 OR 14mm TO 5mm GRADED 0, 14 OR 20mm NOMINAL SINGLE SIZE OVER 100 TO 300 OR 14mm TO 5mm GRADED OR 20mm TO 5mm GRADED 10 OR 20mm NOMINAL SINGLE SIZE OVER 300 TO 550 OR 14mm TO 5mm GRADED OR 20mm TO 5mm GRADED 14, 20 OR 40mm NOMINAL SINGLE SIZE OR 14mm TO 5mm GRADED OVER 550 OR 20mm TO 5mm GRADED OR 40mm TO 5mm GRADED

# TABLE 'A'



NOTES:

CARRIAGEWAY OR A HARD SHOULDER AND 600mm ELSEWHERE.

3. WHEN AN INSITU CAST GULLY HAS A TRAP, THE STOPPERS SHALL COMPLY

APPROPRIATE WITH MINIMUM FRAME DEPTH OF 100mm OR B125 FOR

5. BRICKWORK SHALL BE FLAT BEDDED (MORTAR THICKNESS 10mm TO 25mm)

6. THE BACK FACE OF THE GULLY POT SHALL BE IN A VERTICAL LINE WITH THE

FRONT FACE OF THE KERB AND THIS WILL PRECLUDE CORBELLED

CORBELLING BRICKWORK IF NECESSARY, 25mm MAXIMUM.

LEVELLING BRICKWORK DEPTH SHALL BE A MULTIPLE OF 75mm.

9. WHERE INSITU CONCRETE GULLIES ARE FORMED WITH PERMANENT

10. WHERE BOTH NON ROCK AND CAPTIVE HINGE GRATING IS REQUIRED, THEN

TYPE D400 SINGLE PIECE, HINGED, NON ROCK WATERSHED OR SIMILAR

AND NOT TO BE TRAFFICKED UNTIL SPECIFIED STRENGTH (AS INDICATED IN

SHUTTERING SHALL HAVE A CURRENT BRITISH BOARD OF AGREEMENT ROADS

2. PRECAST CONCRETE GULLIES SHALL BE TO BS5911: PART 2.

4. THE GULLY GRATING NORMALLY SHALL BE D400 OR C250 TYPE AS

WITH REQUIREMENTS OF BS 5911: PART 2.

THE CONTRACT DOCUMENT) IS ATTAINED.

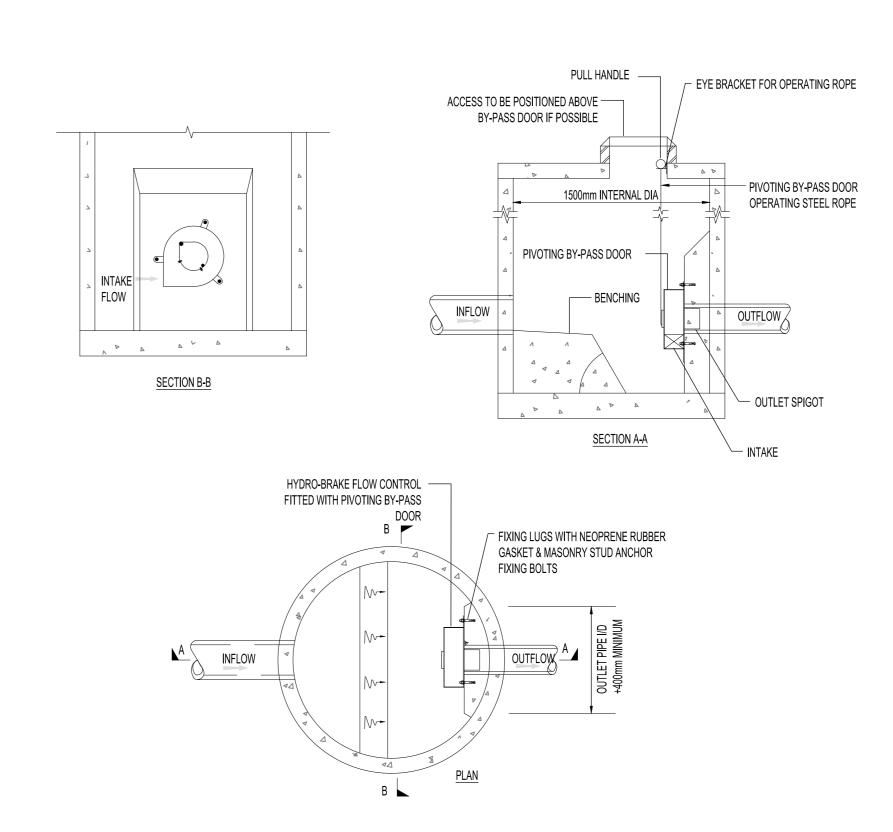
NON-CONTIGUOUS PARKS.

AND BRIDGES CERTIFICATE.

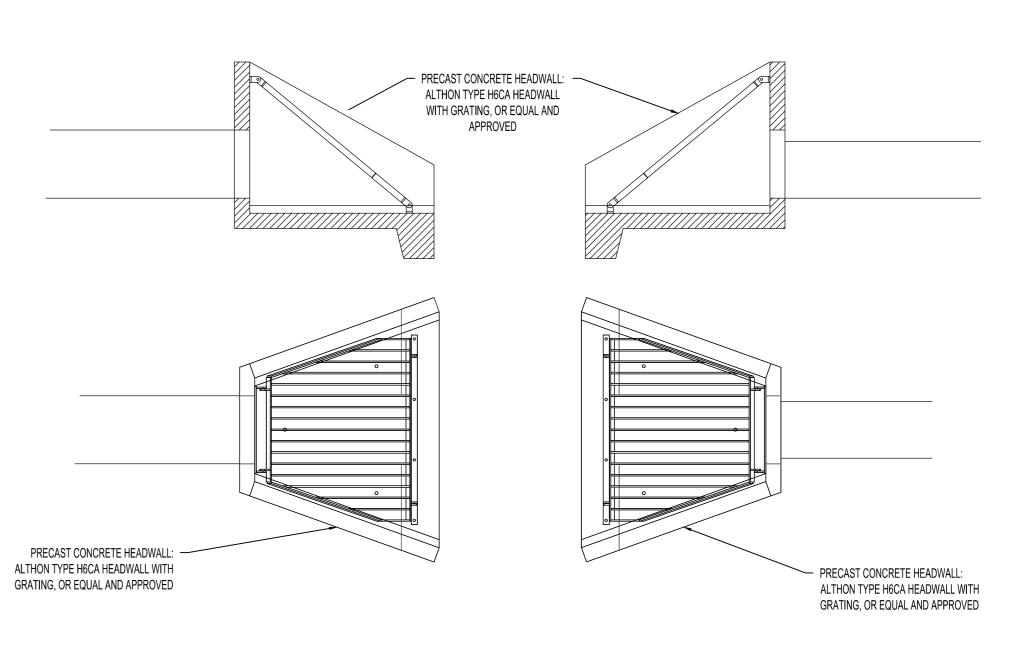
APPROVED TYPE CAN BE USED,

BRICKWORK

# TYPICAL VERTICAL BACKDROP DETAIL



# TYPE 'B' PRECAST CONCRETE CATCHPIT MANHOLE WITH HYDROBRAKE FLOW CONTROL DETAILS



**INLET HEADWALL** 

**OUTLET HEADWALL** SCALE = 1:25

Only figured dimensions to be used. Dimensions to be verified on site. Any discrepancies should be referred to the Engineer prior to work being put in hand. drawing is issued on the condition that it is not copied reproduced, retained or disclosed to any unauthorised person, either wholly or in part without the consent in writing of 1. THE MINIMUM DEPTH FROM THE TOP OF THE GRATING TO THE TOP OF THE ckfords Wharf, Clink Street, London SE1 9DG t 020 7928 7888 f 020 7902 0992 GULLY OUTLET IS TO BE 750mm WHEN THE CONNECTING PIPE IS UNDER A

#### **GENERAL NOTES**

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEER'S, ARCHITECT'S OR OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.

ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PREPARING ANY WORKING

DRAWINGS OR COMMENCING ON SITE.

THE CONTRACTOR MUST ENSURE AND WILL BE HELD RESPONSIBLE FOR THE OVERALL STABILITY OF THE BUILDING/STRUCTURE/EXCAVATION AT ALL STAGES OF THE

. ALL WORK BY THE CONTRACTOR MUST BE CARRIED OUT IN SUCH A WAY THAT ALL REQUIREMENTS UNDER THE HEALTH AND SAFETY AT WORK ACT ARE SATISFIED.

5. ALL WORK IS TO BE CARRIED OUT IN COMPLIANCE WITH THE REQUIREMENTS OF THE RELEVANT STATUTORY AUTHORITIES AND REGULATIONS.

P02 15:01:21 ISSUED FOR PLANNING P01 | 18.12.20 | DRAFTED FOR PLANNING Description Amendments

BLINDWELLS

PROPOSED DRAINAGE DETAILS

HARGREAVES SERVICES (BLINDWELLS) LTD



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10/12/20 Project - Originator - Volume - Level - Type - Role - Number

17684-WIE-92-ZZ-M3-C-00002-XREF-DRAINAGE\_DETAILS, A0-Wat-BS-S, A1-Wat-BS-S

17684-WIE-98-ZZ-DR-C-00002