

100mm INSIDE FACE OF

THIS SHOULD NOT EXCEED A

CONCRETE BASE AND MUST NOT BE ENCASED IN THE

HIGHWAY AUTHORITY IF APPROPRIATE.

NOMINAL SIZE

CLASS 120 CLAYWARE

PIPES (CLASS B BEDDING)

100mm

150mm

225mm

400mm

600mm

CLASS M CONCRETE

PIPES (CLASS B BEDDING)

300mm

450mm

600mm

THERMOPLASTIC

PIPES (CLASS S BEDDING) 100 - 300mm

TYPE B MANHOLE

MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3.0m

SUITABLE FILL - THE SUITABLE FILL SHALL BE SUITABLE FOR THE LOCATION AND SHALL BE CAREFULLY COMPACTED TO PROVIDE A STABLE FILL WITHOUT DAMAGING THE PIPE. FILL UNDER CAR PARKING AREAS, SHARED DRIVES AND PRIVATE ROADS SHALL BE WELL COMPACTED GRADED GRANULAR MATERIAL. FILL UNDER ADOPTABLE ROADS MAY NEED TO BE TYPE 1 GRANULAR SUB-BASE MATERIAL - CHECK WITH

GRANULAR MATERIAL - FOR RIGID PIPES THE GRANULAR MATERIAL SHOULD

CONFORM TO BS EN: 1610 Annex B Table B.15 AND SHOULD BE SINGLE SIZE

LAID IN HELDS

0.9m - 8.0+ m

0.9m - 8.0+ m

0.9m - 5.0m

0.9m - 4.5m

0.9m - 4.5m

0.9m - 3.0m

0.9m - 3.5m

0.9m - 3.5m

0.9m - 7.0m

MATERIAL OR GRADED MATERIAL FROM 5mm UPTO A MAXIMUM SIZE OF 10mm FOR

100mm DIAMETER PIPES, 14mm FOR 150mm DIAMETER PIPES, 20mm FOR PIPES FROM 150mm TO 600mm DIAMETER AND 40mm FOR PIPES MORE THAN 600mm DIAMETER.

LIMITS OF COVER IN ANY WIDTH OF TRENCH

LAID IN LIGHT ROADS

1.2m - 8.0+ m

1.2m - 8.0+ m

1.2m - 5.0m

1.2m - 4.5m

1.2m - 4.5m

1.2m - 3.0m

1.2m - 3.5m

1.2m - 3.5m

0.9 - 7.0m

LAID IN MAIN ROADS

1.2m - 8.0m

1.2m - 8.0m

1.2m - 4.5m

1.2m - 4.0m

1.2m - 4.0m

1.2m - 2.5m

1.2m - 2.5m

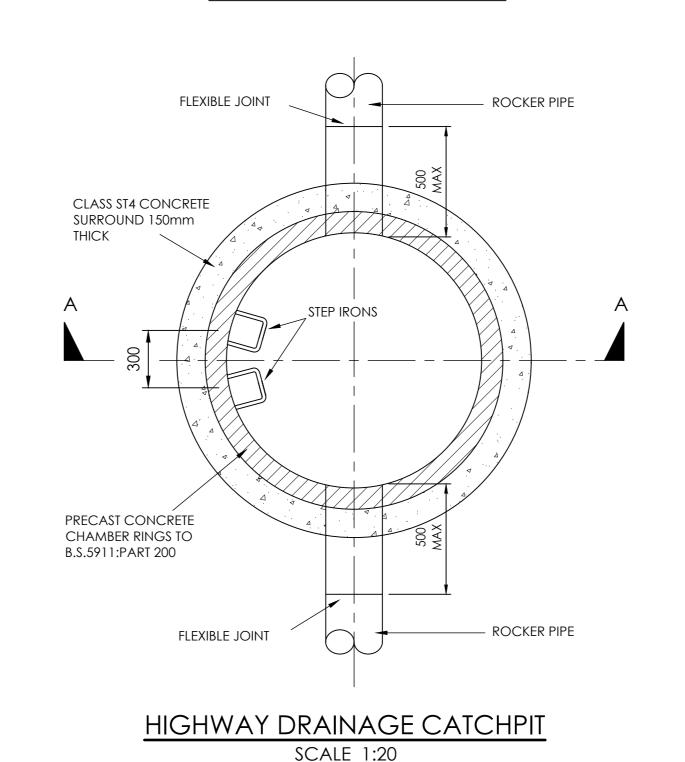
1.2m - 3.0m

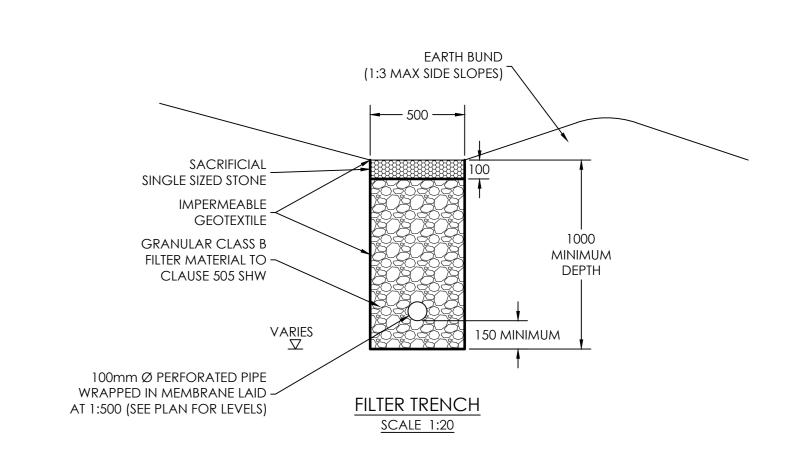
0.9m - 7.0m

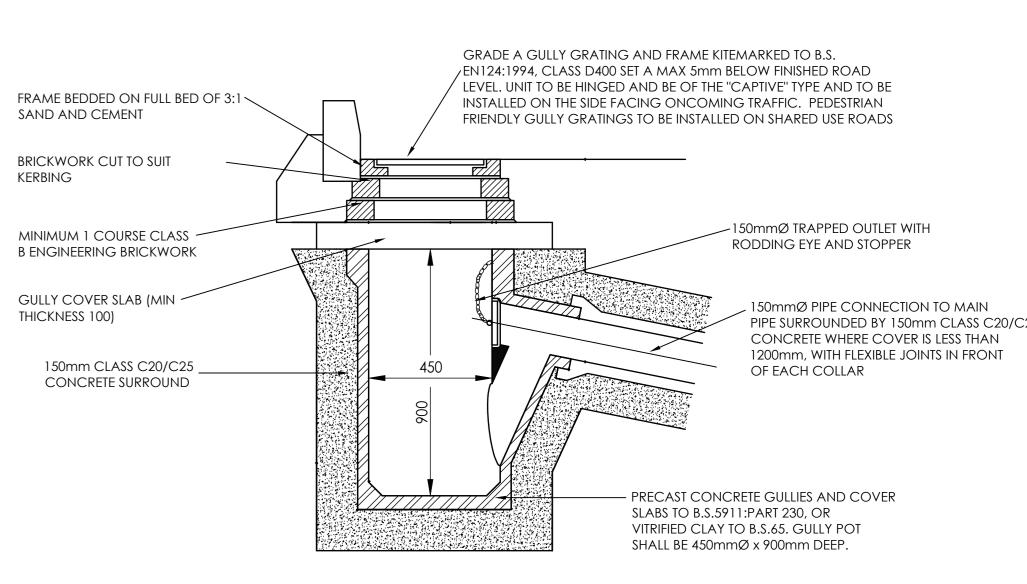
CLEAR 100mm FROM

CONCRETE BASE

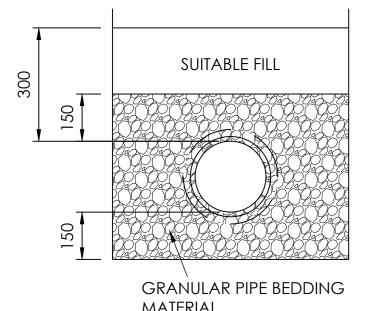
COVER AND FRAME TO B.S.EN 124; 1994 CLASS D400 DOUBLE TRIANGULAR WITH MINIMUM 600mm CLEAR OPENING. MARKED `SW' FOR SURFACE WATER. CLASS 1 MORTAR BED AND HAUNCH 2-4 COURSES OF ENGINEERING BRICKWORK CLASS B 215mm THICK HEAVY DUTY PRECAST CONCRETE COVER SLAB THICKNESS TO PLASTIC B.S.5911:PART 200, MIN ENCAPSULATED THICKNESS 150mm GRADE 316 STAINLESS STEEL STEP IRONS TO B.S.1247 CLASS ST4 CONCRETE SURROUND 150mm THICK PRECAST CONCRETE CHAMBER RINGS TO B.S.5911:PART 200 225mm MIN INSITU CONCRETE MAX 4 4 4 ST4 BASE SLAB · A · · A · · A · · A - 75mm ST1 BLINDING CONCRETE CLASS 1 MORTAR BÉD SECTIONAL ELEVATION A-A







ROAD GULLY DETAIL



NOTE: OPENING TO BE LOCATED

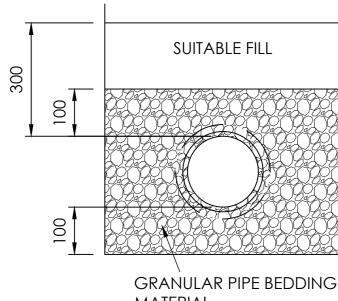
CENTRALLY OVER 900mm SHAFT

MATERIAL CLASS S PIPE BEDDING

FOR RIGID PIPES:

e.g.. CLAYWARE, CONCRETE

e.g.. THERMOPLASTIC



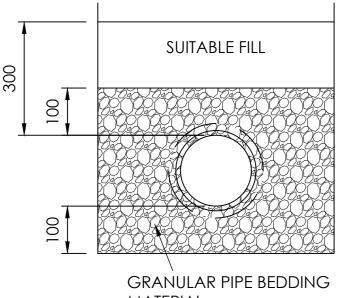
MATERIAL CLASS S PIPE BEDDING

TYPICAL PIPE BEDDING DETAILS

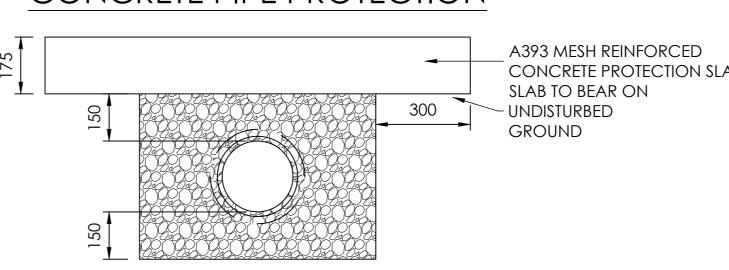
TYPE A MANHOLE

DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 3.0m TO 6.0m

# FOR FLEXIBLE PIPES:



## CONCRETE PIPE PROTECTION



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### <u>NOTES</u>

- 1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS
- DRAWINGS AS APPROPRIATE.
- 2. ALL PROPOSED ADOPTABLE SEWERS (EXCLUDING HIGHWAY DRAINS) AND ALL WORKS TO THE EXISTING PUBLIC SEWERS SHALL BE CARRIED OUT STRICTLY IN ACCORDANCE WITH THE WATER AUTHORITIES ASSOCIATION SPECIFICATION "DESIGN AND CONSTRUCTION GUIDANCE" AND THE REQUIREMENTS OF THE WATER AUTHORITY.

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