

In addition to these notes, reference shall be made to the specification of work and the relevant Architect's and Specialist's drawings and specifications. The Contractor is responsible for verifying all the dimensions before commencing work.

All dimensions are in millimetres unless noted otherwise.

This drawing has been produced electronically and may have been photo scanned. Dimensions shall be taken from the original drawing. Dimensions shall not be scaled. Work only to be reported to the engineer immediately.

Levels are in metres unless noted otherwise to Ordnance Survey datum.

The Contractor is responsible for the stability of the building whilst the works are in progress.

NOTES

1. THIS DRAWING IS BASED ON DRAWING NO. 16.1012 GA01A BY STUDIO 5 ARCHITECTS LIMITED.

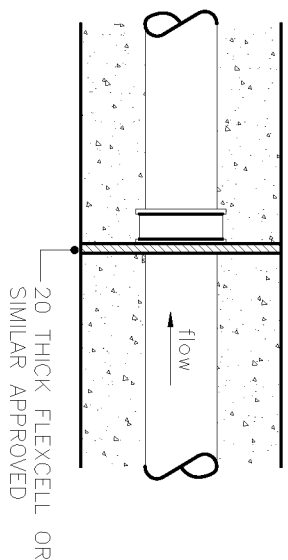
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING DRAWING:

51091/10 DRAINAGE LAYOUT 1 OF 2
51091/11 DRAINAGE LAYOUT 2 OF 2

SCALE 1:20

TYPICAL PIPE JOINTING DETAIL

For Sleeved Pipes



3. CONTRACTOR IS TO TAKE NECESSARY PRECAUTIONS TO ENSURE THAT TRENCHES ARE KEPT CLEAR OF GROUND WATER DURING CONSTRUCTION.

4. ALL DRAINAGE WORKS TO BE CARRIED OUT IN ACCORDANCE WITH "SEWERS FOR ADOPTION" 7TH EDITION.

5. ALL PIPEWORK TO BE 100Ø CLAY UNLESS NOTED OTHERWISE.

6. ALL PREWORK THROUGH WALLS TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS.

7. ALL PREWORK UNDER ROADS WITH LESS THAN 900MM COVER TO HAVE 150MM CONCRETE SURROUND.

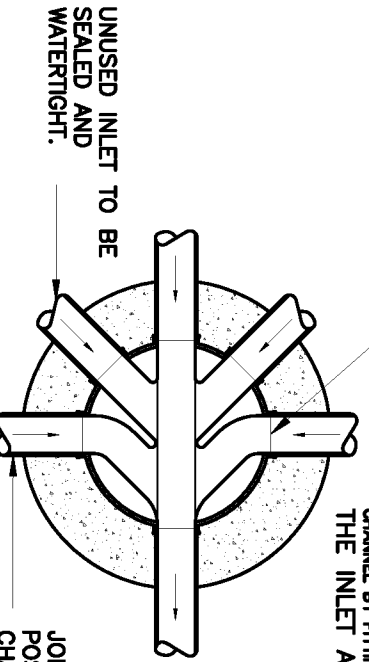
8. MINIMUM GRADIENT TO DRAINS TO BE 1:80 FOR 100Ø OR 150Ø FW AND 1:100 FOR 110Ø SW.

9. POSITIONS OF MANHOLES SHOWN ON THIS DRAWING ARE INDICATIVE ONLY. ACTUAL LOCATIONS TO BE FINALIZED ON SITE.

10. PROVIDE CONCRETE LINTELS OVER OPENINGS WHERE PIPES PASS THROUGH WALLS. ALLOW FOR 150MM CLEARANCE ALL ROUND PIPE.

JOINT TO BE AS CLOSE AS POSSIBLE TO FACE OF CHAMBER TO PERMIT AND SUBSEQUENT MOVEMENT.

NOTE: WHERE CHAMBER ARE POSITIONED ON 90° CORNERS, ALWAYS USED THE MAIN CHANNEL BY FITTING A 45° BEND ON THE INLET AND OUTLET.



PLAN

JOINT TO BE AS CLOSE AS POSSIBLE TO FACE OF CHAMBER TO PERMIT AND SUBSEQUENT MOVEMENT.

MANHOLE COVER TO SUIT BS EN 124 LOADING. HIGHWAYS - CLASS D400 800 MM CLEAR OPENING.

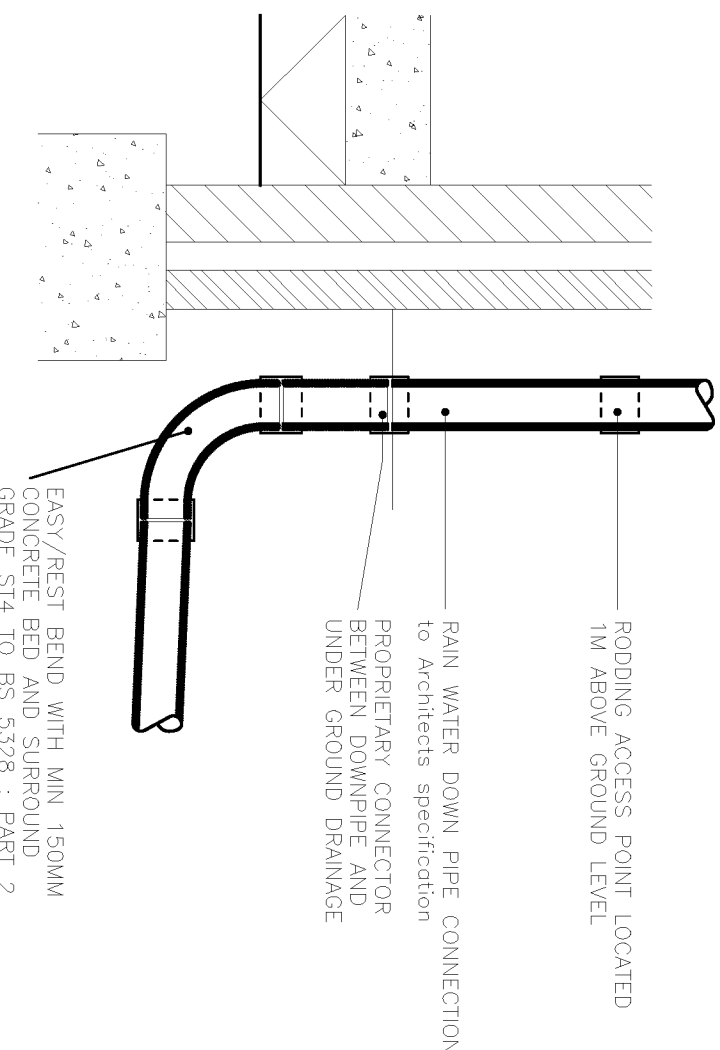
MORTAR BEDDING AND HAUNCHING TO COVER AND FRAME.

SURFACE COURSE
BINDER COURSE
BASE COURSE

PRECAST CONCRETE SLAB OR IN-SITU CONCRETE SLAB TO SUPPORT COVER AND FRAME.

ROOFING ACCESS POINT LOCATED 1M ABOVE GROUND LEVEL

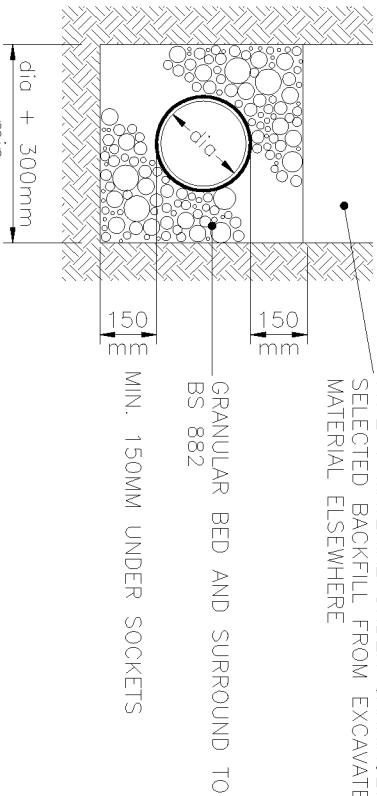
RAIN WATER DOWN PIPE CONNECTION TO ARCHITECT'S SPECIFICATION BETWEEN DOWNPIPE AND UNDER GROUND DRAINAGE



SCALE 1:20

TYPICAL RAIN WATER DOWNPIPE DETAIL

TYPE 1 MATERIAL UNDER CARPARKWAYS. SELECTED BACKFILL FROM EXCAVATED MATERIAL ELSEWHERE.



TYPE 'S'

(BEDDING FACTOR - 2.2)
Drainage with more than 1.2m cover

PIPE BEDDING DETAIL

SCALE 1:20

80mm AQUADUR BLOCKS (COLOUR TBC BY ARCHITECTS)

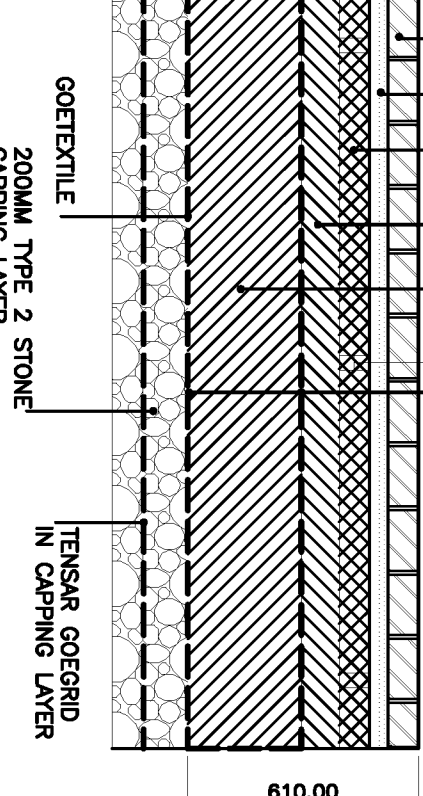
50mm THICK 5mm CLEAN SINGLE SIZE STONE

80mm BRUSH BRUSH MODULAR BASE COURSE (FINISHED AT ROOM LEVEL) CENTERS FOLLOWING WORK HOLES FILLED WITH 2-5mm CLEAN STONE.

100mm UPPER SUBBASE (5mm - 20mm STONE)

300mm LOWER SUBBASE (10mm - 63mm STONE)

SC INTERGRAD

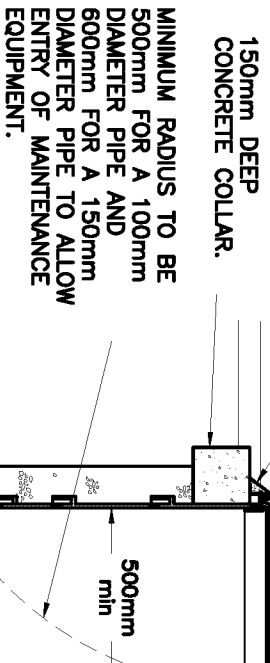


FORMPAVE CAR PARKING ACCESS ROAD CONSTRUCTION DETAIL-1

SCALE 1:20

COVER COMPLYING WITH BS EN 124 AND BS 7903 DRIVEWAYS, FOOTINGS AND LANDSCAPED AREAS. SEE CLAUSE B12.3. SEE

MORTAR BEDDING AND HAUNCHING TO COVER AND FRAME TO CLAUSE E6.7.



DOT TYPE 1 SUB BASE (THICKNESS VARIES) OR CONCRETE SURROUND.

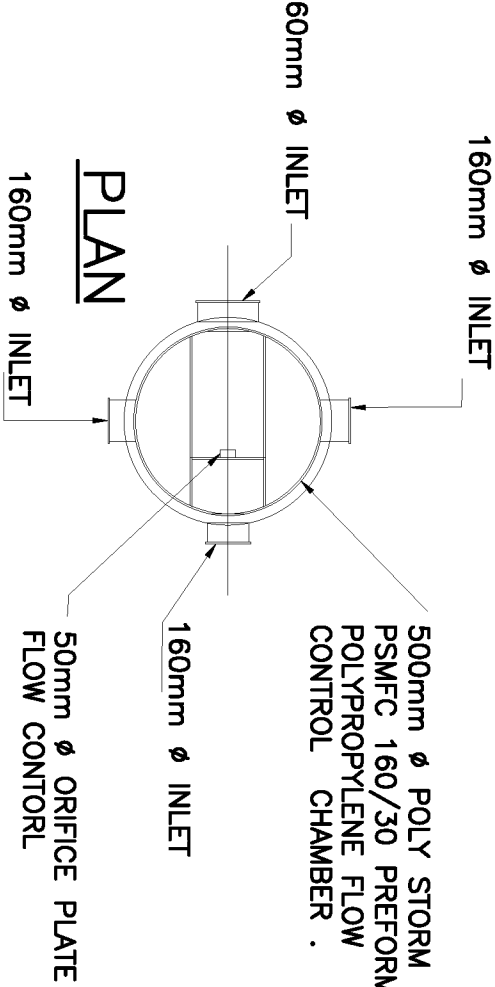
MINIMUM INTERNAL DIMENSION 450mm Ø OR 450mm X 450mm.

JOINT BETWEEN BASE AND SHAFT AND BETWEEN SHAFT AND COVER TO BE FITTED WITH WATER TIGHT SEALS.

CONCRETE COLLAR.

500P POLYPROPYLENE SILT TRAP CHAMBER

SCALE 1:20



500mm Ø POLY STORM DRAIN 160/200 PERFORMED POLYPROPYLENE FLOW CONTROL CHAMBER.

50mm Ø ORIFICE PLATE FLOW CONTROL

ACCESS OPENING RESTRICTED TO 300mm DIAMETER OR 300mm X 300mm IF DEPTH OF CHAMBER INVERT IS > 1m.

COVER COMPLYING WITH BS EN 124 AND BS 7903 DRIVEWAYS, FOOTINGS AND LANDSCAPED AREAS. CLASS B12.3. GRADENS - GRADE A15.

PRECAST CONCRETE CHAMBER SECTIONS.

MINIMUM INTERNAL DIMENSION 450mm DIAMETER OR 1200mm X 750mm.

JOINT TO BE MADE WITH EITHER BUTYL RESIN SEALANT OR CEMENT MORTAR.

CONCRETE SURROUND 150mm THICK.

JOINT TO BE AS CLOSE AS POSSIBLE TO FACE OF CHAMBER TO PERMIT SATISFACTORY JOINT AND SUBSEQUENT MOVEMENT.

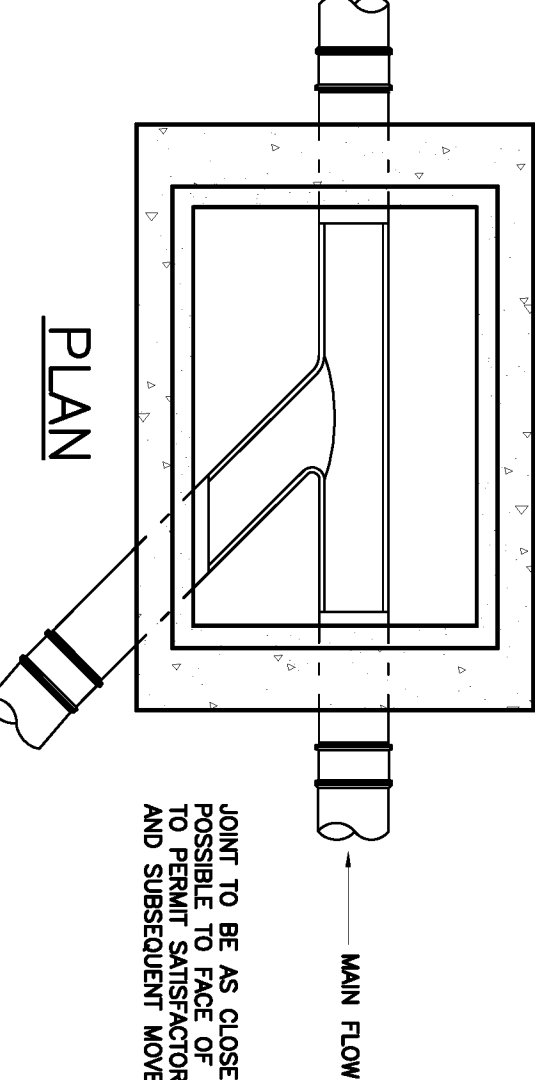
225mm TO THE UNDERSIDE OF PIPE

INVERTS TO BE FORMED USING CHANNEL PIPES

SECTION

IN-SITU CONCRETE TO BE GR3 (DESIGNED TO RES SPECIFIC AGGRESSIVE GROUND). CONCRETE IN AGGRESSIVE GROUND).

INVERT OF CONNECTING PIPE AT LEAST 50mm ABOVE THAT OF THE MAIN PIPE.



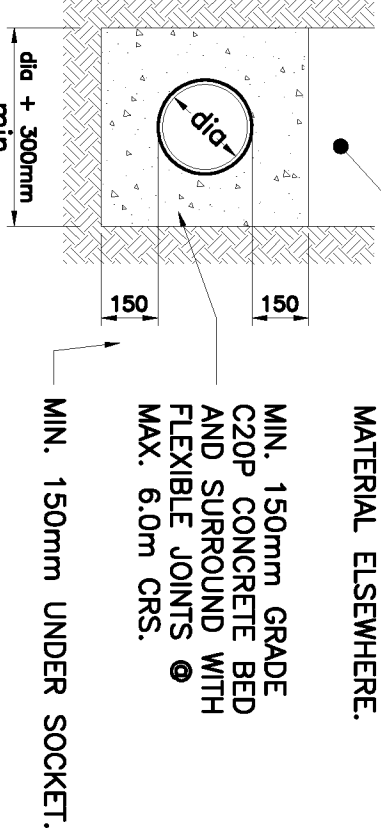
JOINT TO BE AS CLOSE AS POSSIBLE TO FACE OF CHAMBER TO PERMIT SATISFACTORY JOINT AND SUBSEQUENT MOVEMENT.

TYPE 3A - CONCRETE INSPECTION CHAMBER (MAX. DEPTH 3.0M TO PIPE SOFFIT).

SCALE 1:20

TYPICAL PIPE JOINTING DETAIL

SCALE 1:20



COMPACTED TYPE 1 GRANULAR SUB-BASE MATERIAL UNDER CARRIAGEWAY. SELECTED BACKFILL FROM EXCAVATED MATERIAL ELSEWHERE.

MIN. 150mm GRADE C20P CONCRETE BED AND SURROUND WITH FLEXIBLE JOINTS Ø MAX. 6.0m CHS.

MIN. 150mm UNDER SOCKET.

CONCRETE PIPE BEDDING DETAIL

SCALE 1:20

REV	DESCRIPTION	DATE	BY
0	ORIGINAL ISSUE -	23/03/17	JS

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CONTRACT

THE OLD DAIRY
CHURCH STREET
LITTLEHAMPTON

DRAINAGE DETAILS

DRAWING No.		REV	CHECKED
51091 / 12		0	
SCALE	DATE	DRAWN	APPROVED
1:20 @A1	MAR 17	JS	

AutoCAD Ref: 51091-10.dwg

This drawing is produced using AutoCAD. Only written dimensions are to be respected.

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