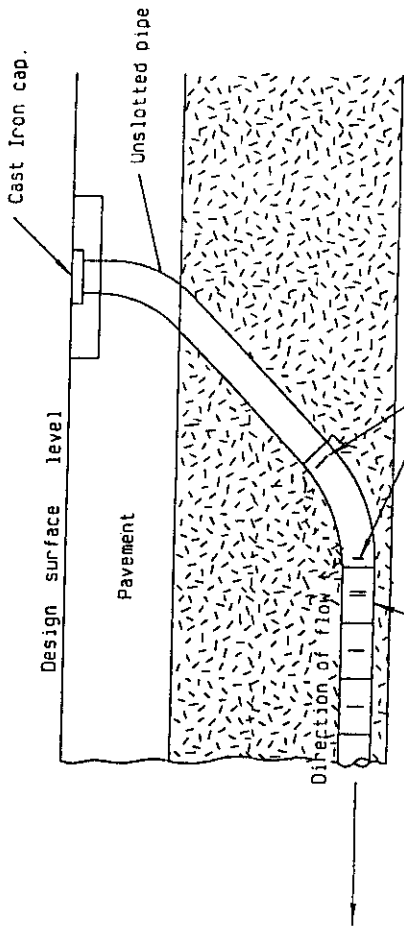
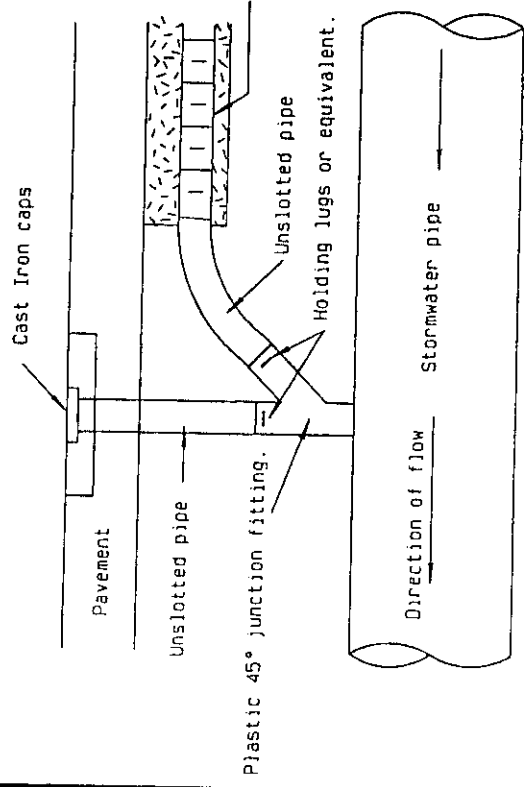

APPENDIX L
FLUSHING POINT DETAIL



FLUSHING POINT AT START OF RUN

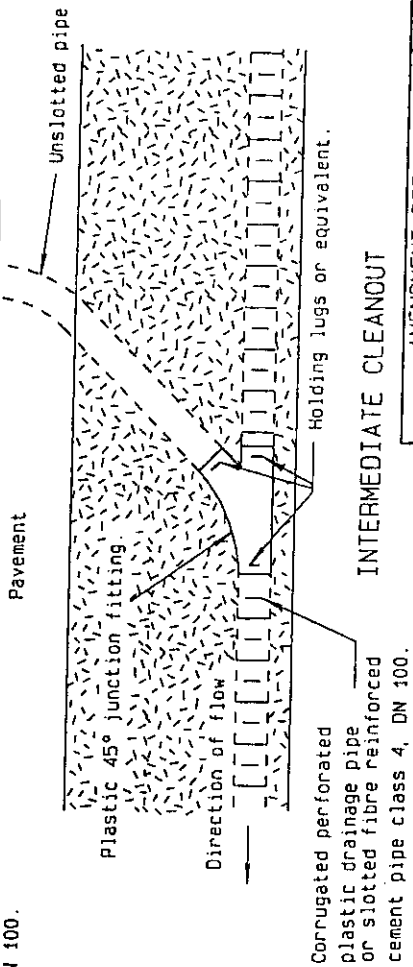
Design surface level
 Pavement
 Cast Iron cap
 Unslotted pipe
 Holding lugs or equivalent.
 Corrugated perforated plastic drainage pipe or slotted fibre reinforced cement pipe class 4, DN 100.
 Direction of flow

Direction of flow
 Corrugated perforated plastic drainage pipe or slotted fibre reinforced cement pipe class 4, DN 100.



VERTICAL INSPECTION STRUCTURE

Design surface level
 Pavement
 Cast Iron cap
 Unslotted pipe
 Holding lugs or equivalent.
 Plastic 45° junction fitting.
 Stormwater pipe
 Direction of flow



INTERMEDIATE CLEANOUT

Design surface level
 Pavement
 Cast Iron cap
 Unslotted pipe
 Holding lugs or equivalent.
 Plastic 45° junction fitting
 Corrugated perforated plastic drainage pipe or slotted fibre reinforced cement pipe class 4, DN 100.
 Direction of flow

AMENDMENT DETAILS	DATE
Roads and Traffic Authority NSW	
SUBSURFACE DRAIN FLUSHING AND INSPECTION STRUCTURES.	
SCALE N.T.S.	No. OF SHEETS 1
SHEET No. 1	
DRAWING NUMBER	

NOTE:

For cast iron cap and surround detail see MD.R33.A01 or MD.R33.A02

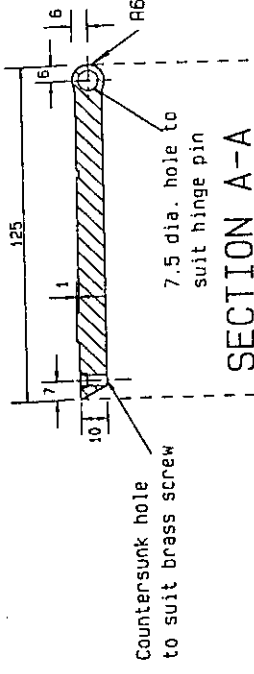
All dimensions are in millimetres unless otherwise shown.

MD.R33.A03.A

NOTE

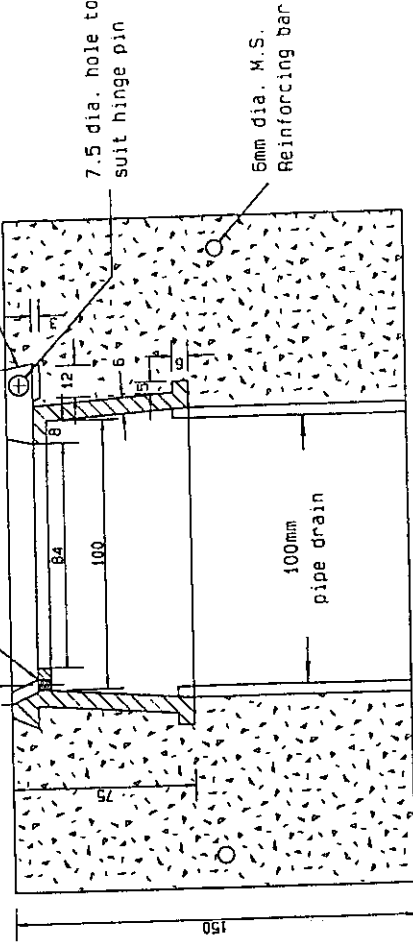
1. Unit to be made of cast iron.
2. Provide one steel hinge pin 150 mm long x 6mm or similar to suit. Hinge pin to be bent over at each end of assembly.
3. Concrete strength to be 20 Mpa at 28 days.
4. Casting to be clean and free from harmful defects and generally in accordance with AS1830-1976.

M5 x 15 long brass screw with countersunk slotted head or similar



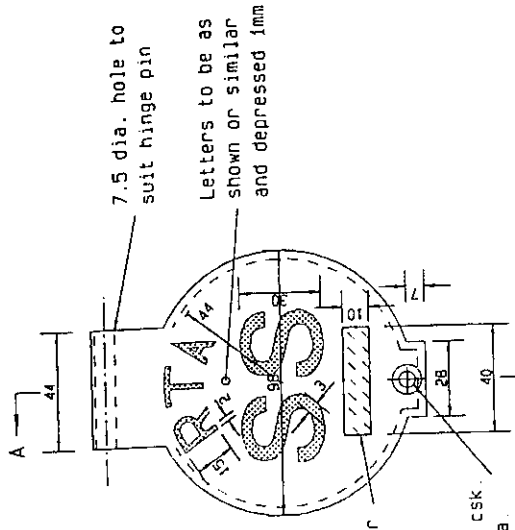
SECTION A-A

Standard foundry taper (3mm) on this face and other similar taper faces

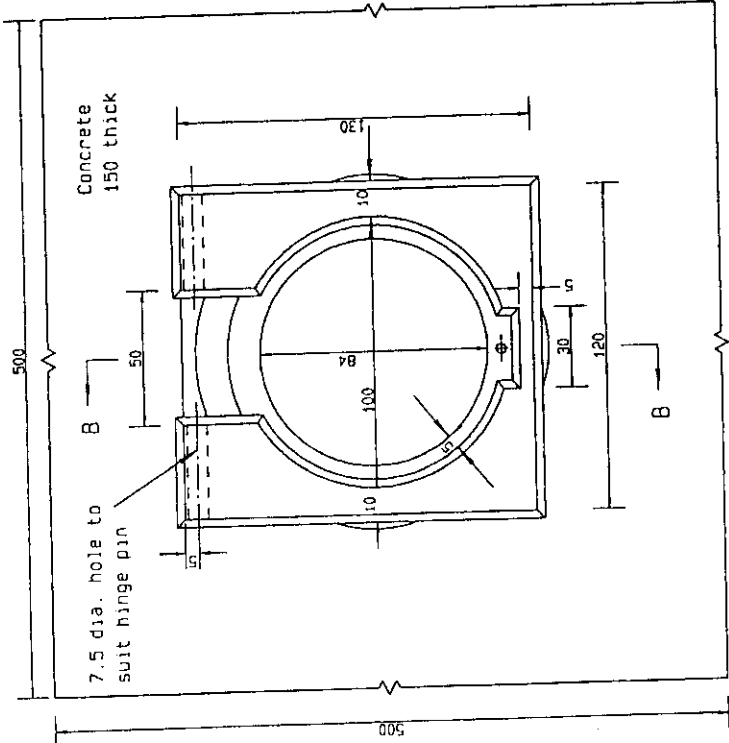


SECTION B-B
EXPLODED SECTION ELEVATION

The position and construction details of all trench drains and edge drains together with associated structures are to be verified on site with the superintendent before construction



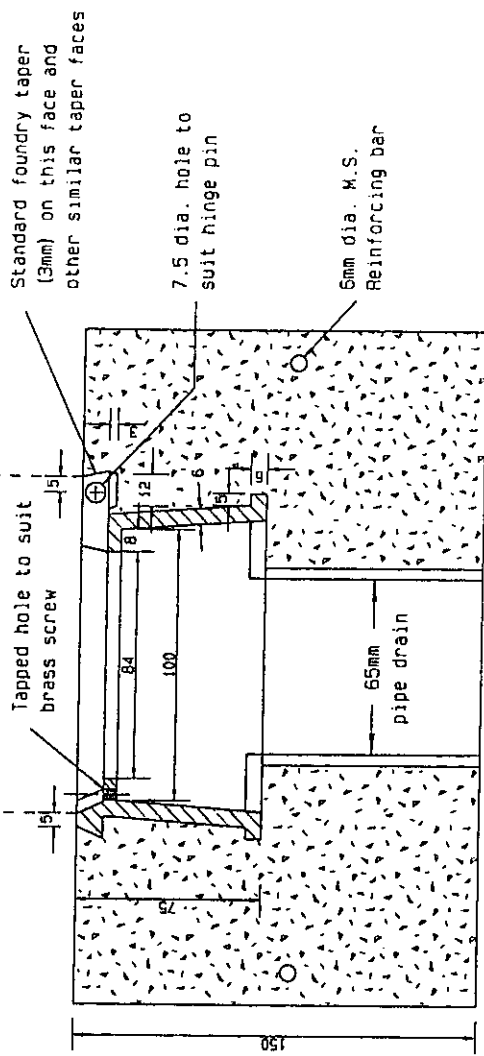
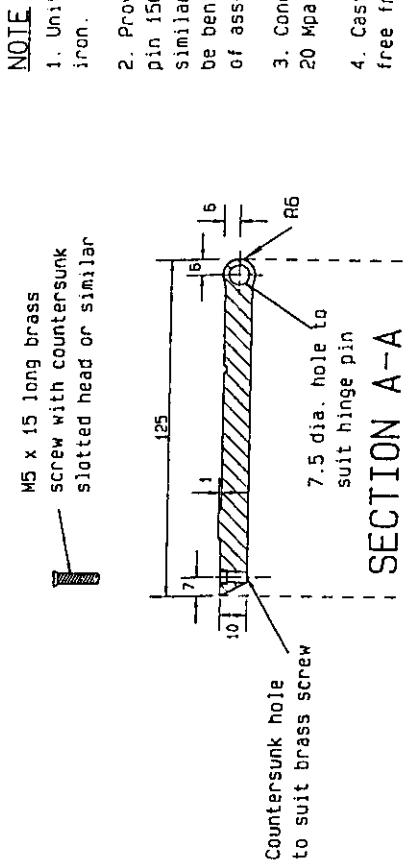
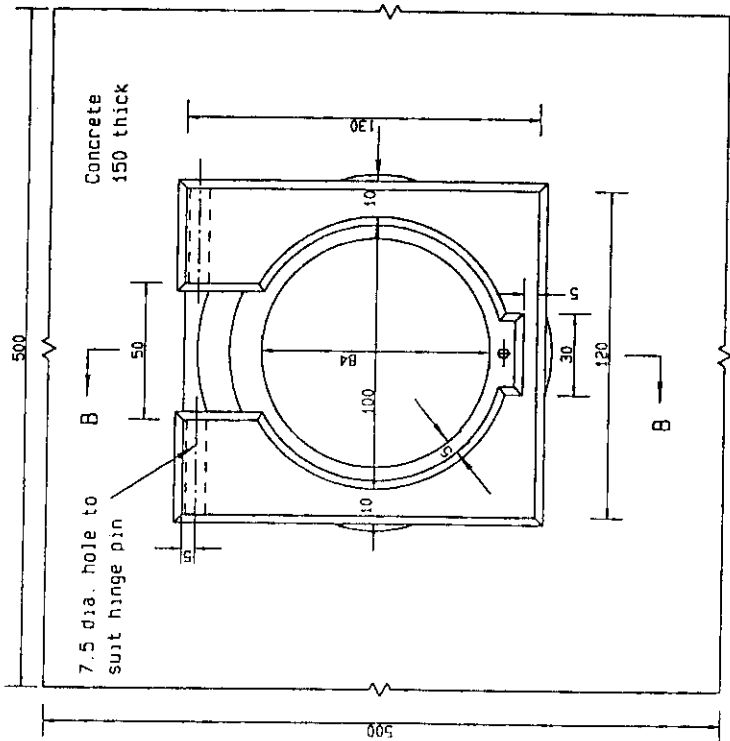
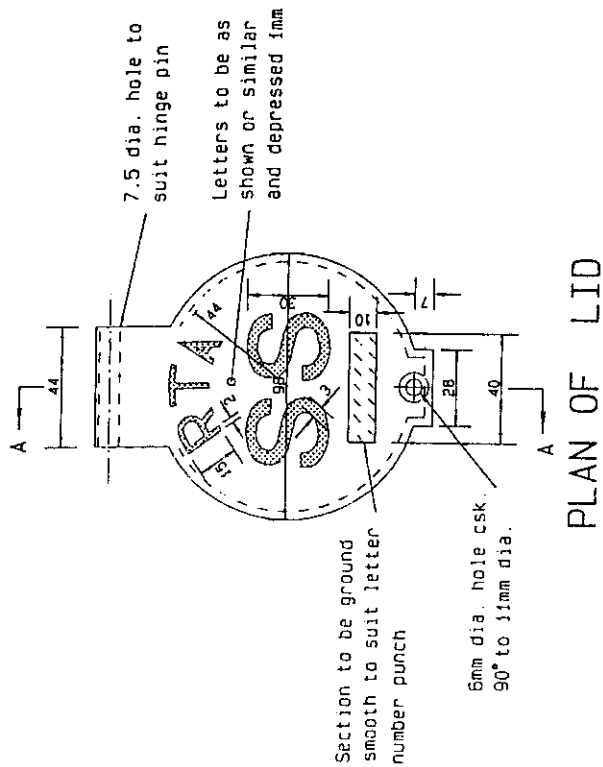
PLAN OF LID



PLAN OF BODY

AMENDMENT DETAILS		DATE
Roads and Traffic Authority NSW		
CLEANOUT STRUCTURES FOR 100 mm SUBSURFACE DRAINS		
SCALE N.T.S.	NO. OF SHEETS 1	SHEET NO. 1
DRAWING NUMBER MD.R33.A01.A		

All dimensions are in millimetres unless otherwise shown.



- NOTE**
- Unit to be made of cast iron.
 - Provide one steel hinge pin 150 mm long x 6mm or similar to suit. Hinge pin to be bent over at each end of assembly.
 - Concrete strength to be 20 Mpa at 28 days.
 - Casting to be clean and free from harmful defects and generally in accordance with AS1830-1976.

Standard foundry taper (3mm) on this face and other similar taper faces

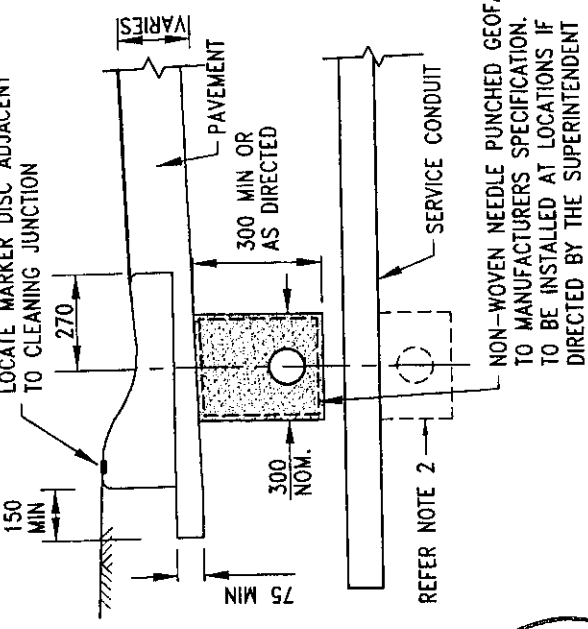
6mm dia. M.S. Reinforcing bar

EXPLODED SECTION ELEVATION

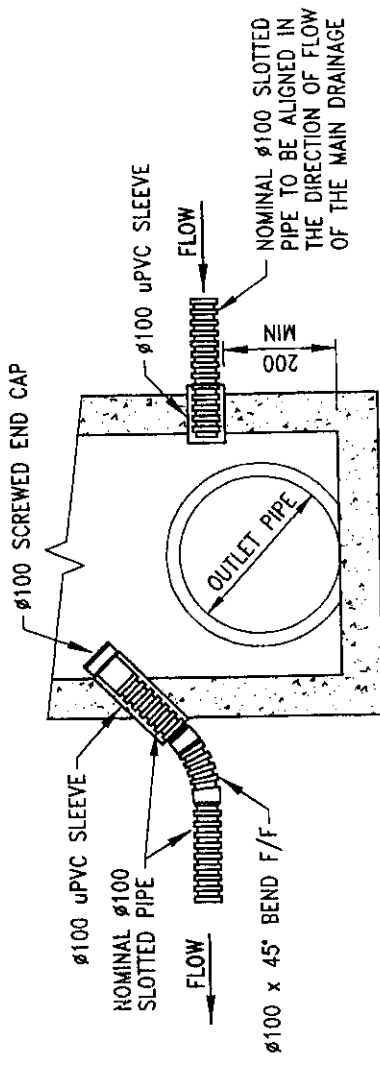
The position and construction details of all trench drains and edge drains together with associated structures are to be verified on site with the superintendent before construction

AMENDMENT DETAILS	DATE
Roads and Traffic Authority NSW	
CLEANOUT STRUCTURES FOR 65 mm SUBSURFACE DRAINS	
SCALE N.T.S.	No. OF SHEETS 1
SHEET No. 1	
DRAWING NUMBER MD.R33.A02.A	

All dimensions are in millimetres unless otherwise shown.



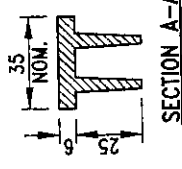
TYPICAL SECTION



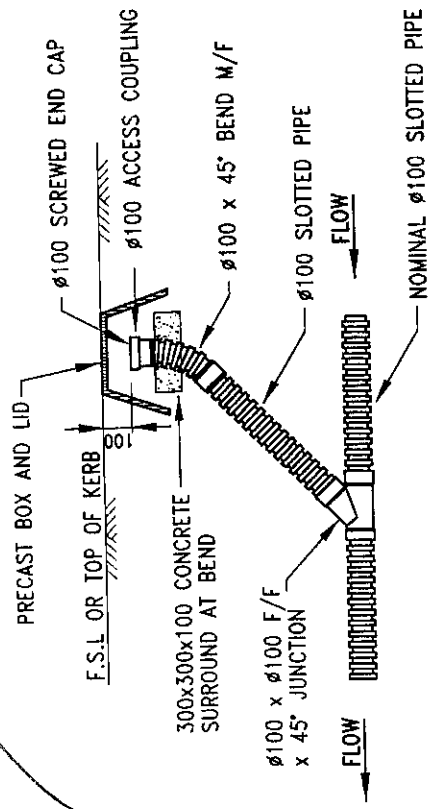
FLUSHING POINT AT GULLY PIT

SERVICE MARKER

CJ ... CLEANING JUNCTION



BRASS SERVICE MARKER DISC



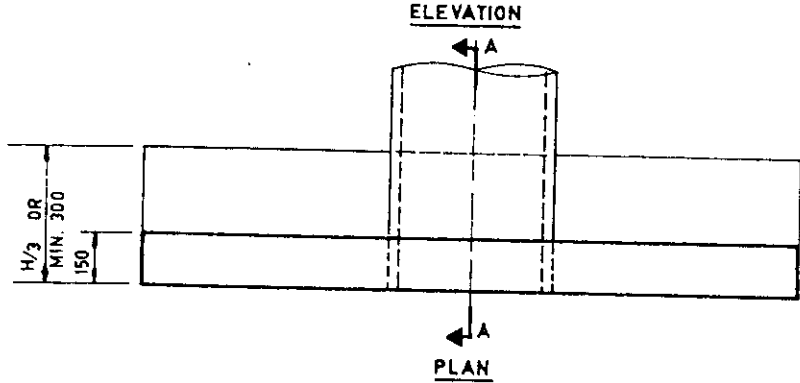
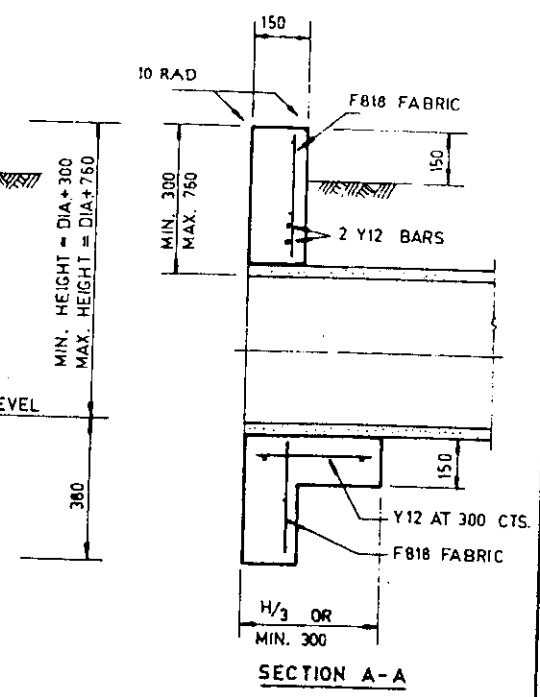
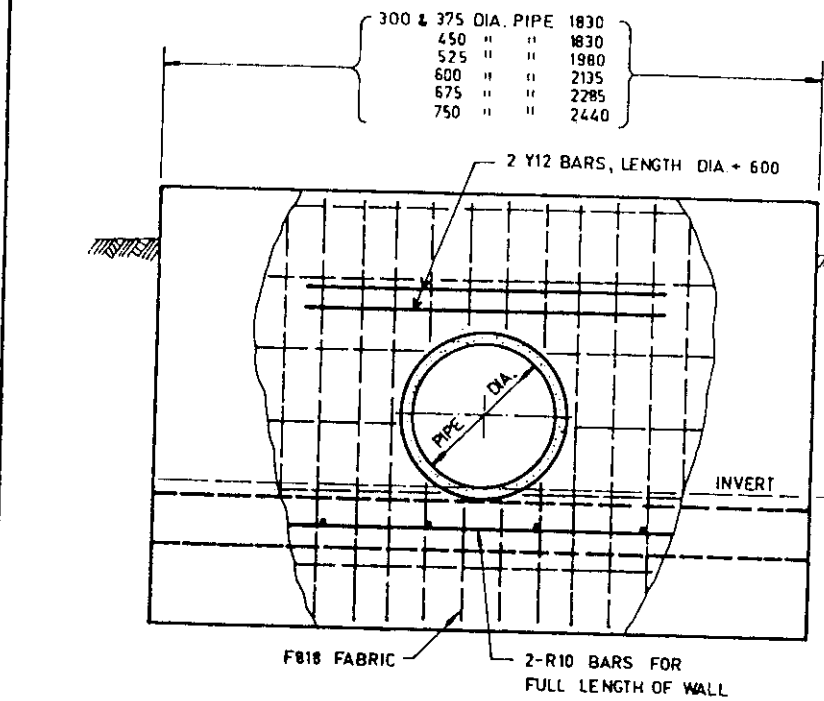
CLEANING JUNCTION

NOTES:

1. SUB-SURFACE DRAINS SHALL BE LAID A MINIMUM 300 BELOW THE SUBGRADE. WHERE A HIGH WATER TABLE IS PRESENT DEEPER SUB-SURFACE DRAINS IN COMBINATION WITH MITRE DRAINS MAY BE SPECIFIED.
2. SUB-SURFACE DRAINS TO BE LAID TO A MINIMUM GRADE 1 IN 200. WHERE ROAD GRADING ALLOWS, THE SPACE BETWEEN THE INVERT OF THE SERVICE CONDUIT AND THE OBVERT OF THE SUB-SURFACE DRAIN SHALL BE 50.
3. SELECTED FILTER MATERIAL TO BE CLEAN AGGREGATE GRADED 10 TO 20.
4. FLUSHING POINTS ARE TO BE CONSTRUCTED AT THE HEAD OF LINES WITH CLEANING JUNCTIONS AT MAXIMUM 50m CENTRES IMMEDIATELY BEHIND KERB.
5. SUB-SURFACE DRAINS SHOULD GENERALLY OUTLET AT STORMWATER GULLY PITS AT A LEVEL ABOVE THE TOP HALF OF THE OUTLET PIPE. (REFER TO DETAIL)
6. PIPES AND FITTINGS SHALL BE EITHER SLOTTED POLYETHYLENE CLASS 400 TO AS 2439 OR uPVC SEWER FITTINGS CLASS SH TO AS 1260.
7. DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

<p>DO NOT SCALE TAKE REQUIRED DIMENSIONS ONLY</p>		<p>CONTROLLED DOCUMENT</p>		<p>THIS DRAWING IS NOT TO BE AMENDED WITHOUT REFERENCE TO STANDARDS COMMITTEE</p>		<p>AMENDMENT</p>		<p>APPROVED DATE</p>		<p>ISSUED</p>	
<p>DRAWN BY <i>[Signature]</i></p>		<p>PASSED <i>[Signature]</i></p>		<p>APPROVED <i>[Signature]</i></p>		<p>5/2/99</p>		<p>5/2/99</p>		<p>5/2/99</p>	
<p>STANDARD DRAWING</p>		<p>SUB-SURFACE DRAINAGE AND FLUSHING POINTS</p>		<p>59207</p>		<p>ISSUE</p>		<p>1999 EDITION</p>		<p>MICROFILMED</p>	

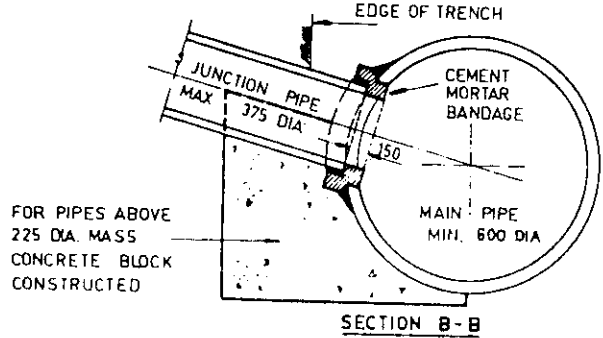
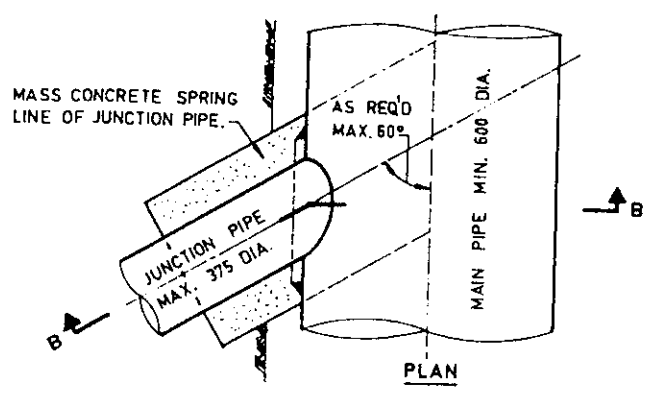
Gold Coast City Council
 PO BOX 624 MC 9729
 GOLD COAST Q.C. 9729



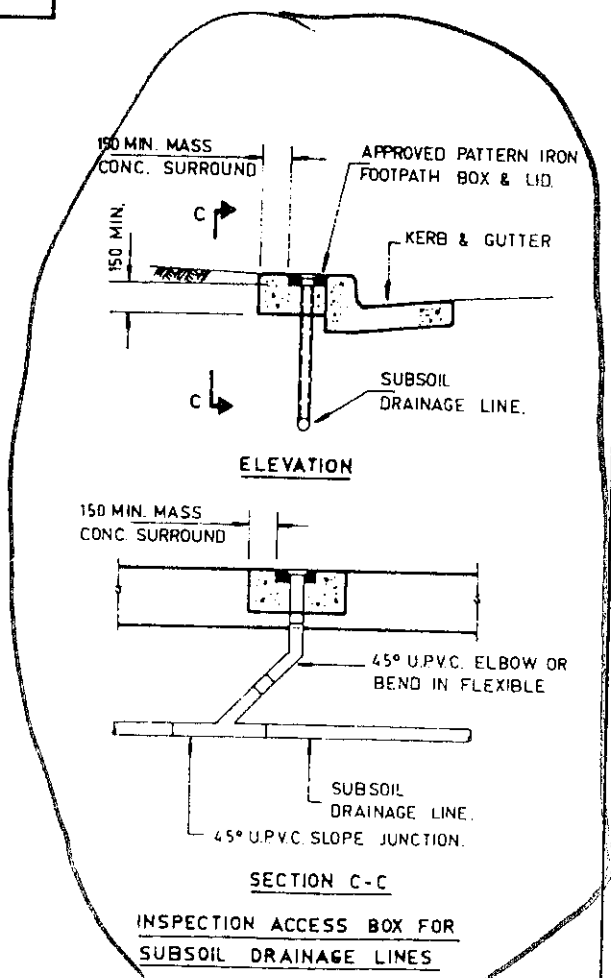
STRAIGHT CONCRETE HEADWALL
FOR PIPES 300-750 DIA.

NOTES

1. COMPRESSIVE STRENGTH OF CONCRETE TO BE F'_c 20 MPa AT 28 DAYS.
2. MINIMUM COVER OF CONCRETE OVER REINFORCEMENT TO BE 40MM.



TYPICAL DIRECT CONNECTION OF
SMALL PIPE AND LARGE PIPE



INSPECTION ACCESS BOX FOR
SUBSOIL DRAINAGE LINES

APPROVED 1987	SCALE	DEPARTMENT OF HOUSING	DRAWING NO
	DIAGRAMMATIC ONLY	STANDARD STRAIGHT HEADWALL. STANDARD DIRECT CONNECTION. STANDARD INSPECTION BOX.	RM.14