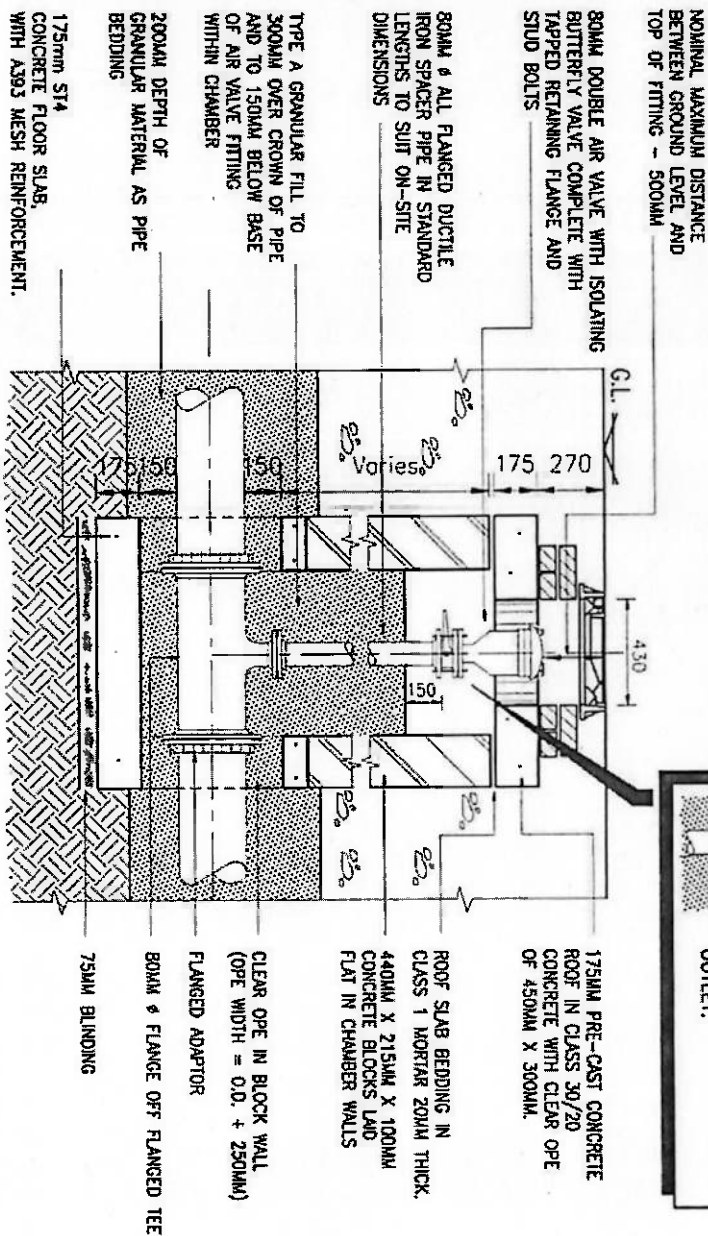
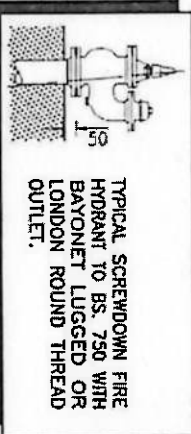


HYDRANT CHAMBER FITTING



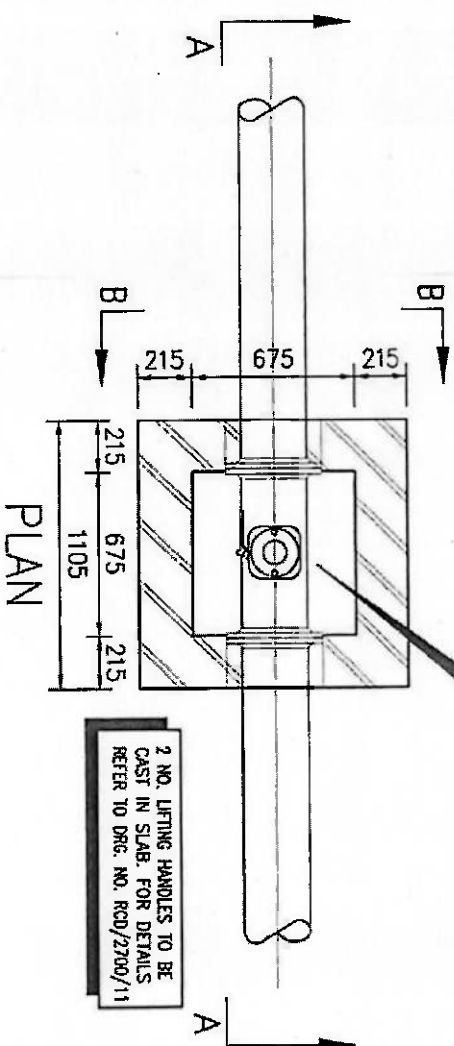
- NOTES:
1. PIPE LAYOUT AT CHAMBER AS DRAWN UNLESS SPECIFIED OTHERWISE
 2. HYDRANT SHOULD BE MARKED IN ACCORDANCE, WITH B.S. 3251 CLASS A.
 3. HYDRANT IS NOT TO BE POSITIONED IN THE ROADWAY, (SEE RCD/2700/9).

SECTION A-A (SEE DRG. NO. RCD/2700/8 FOR PLAN)

 NATIONAL ROADS AUTHORITY		ROAD CONSTRUCTION DETAILS		STATUTORY UNDERTAKERS						AIR VALVE OR HYDRANT CHAMBER (MAINS 400MM Ø OR LESS) (SHEET 1 OF 2)		Drawing No. RCD/ 2700/7	
		Issue		Date									
		P1		03/00									

REFER TO DRG. NO. RCD/2700/11
FOR STANDARD ROOF JOINT DETAILS.

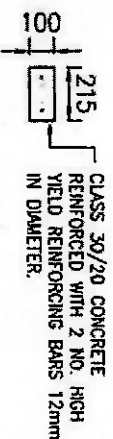
PLAN VIEW OF
HYDRANT FITTING.



2 NO. LIFTING HANDLES TO BE
CAST IN SLAB. FOR DETAILS
REFER TO DRG. NO. RCD/2700/11

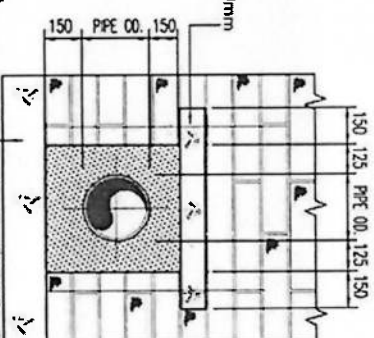
PLAN

SECTION OF P.C.C. LINTEL



215mm WIDE X 100mm DEEP
PRE-CAST CONCRETE LINTEL
OVER BOTH WALL OPES.
MINIMUM LENGTH = OPE SIZE + 300mm

ST4 CONCRETE FLOOR
SLAB WITH CLASS U2 FINISH



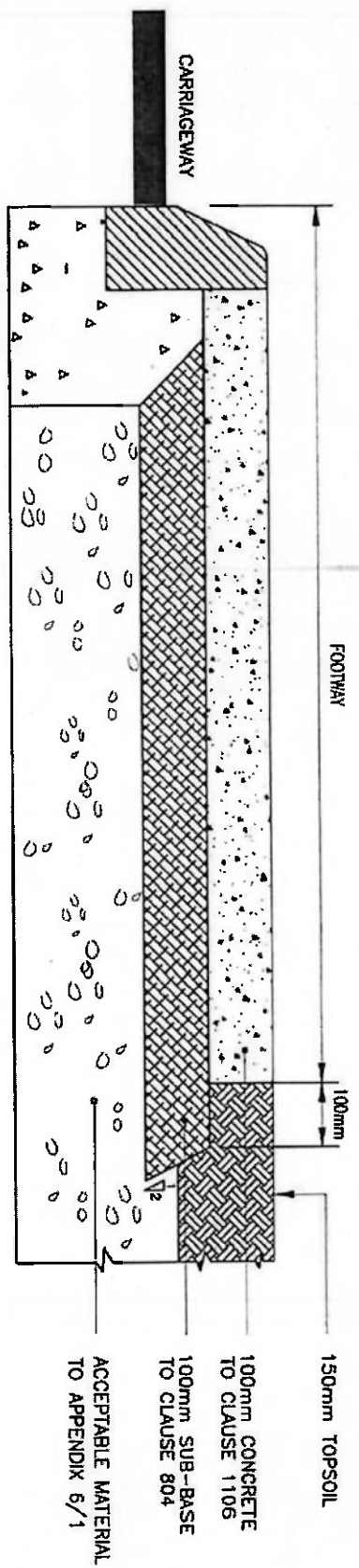
CLASS 30/20 CONCRETE
IN CHAMBER FLOORS.

NOTE

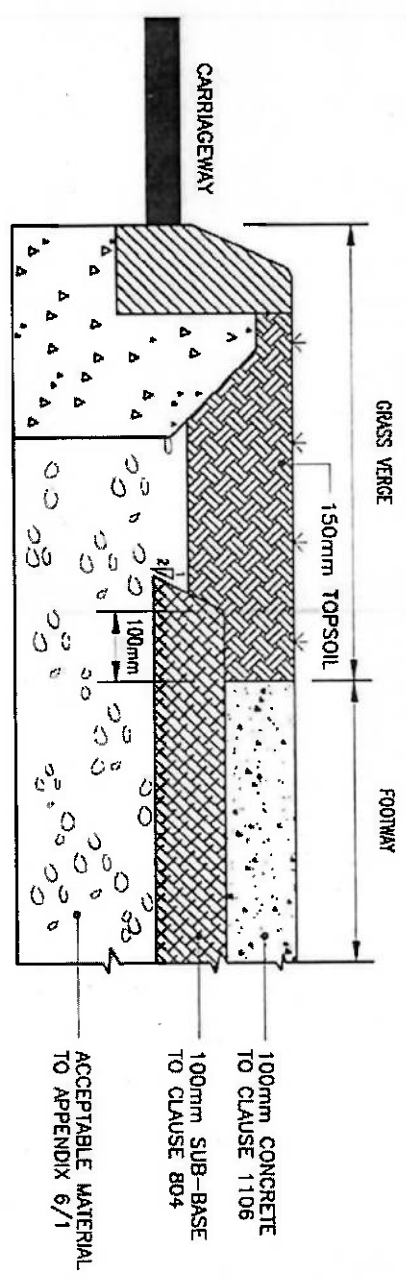
CLEAR OPE IN WALL SIZE VARIES
WITH MAIN PIPELINE DIAMETER.
OPE HEIGHT = OD + 300mm
OPE WIDTH = OD + 250mm

ELEVATION B-B

75mm ST2 CONCRETE BLINDING LAYER

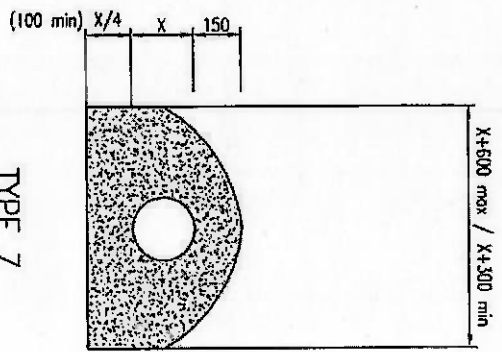


TYPE 1

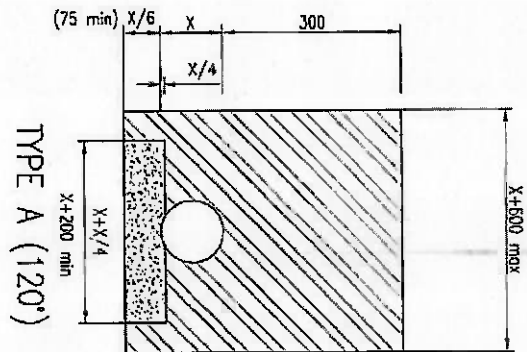


TYPE 2

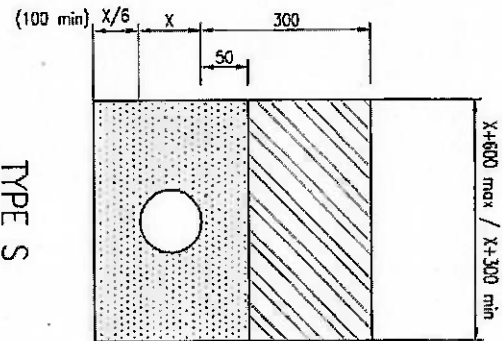
- NOTES:
1. FOOTWAY IS SHOWN WITH A PRECAST CONCRETE KERB TYPE A. ALTERNATIVE KERB TYPES ARE SHOWN ON RCD/1100/1 AND RCD/1100/2.
 2. AT VEHICULAR ACCESS POINTS CONCRETE TO BE REINFORCED WITH A393 MESH REINFORCEMENT TOP AND BOTTOM.
 3. ALL CONCRETE EDGES AND JOINTS SHALL BE BULLNOZZED WITH A TROWEL.



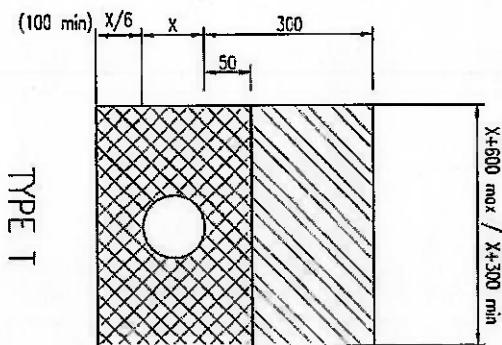
TYPE Z



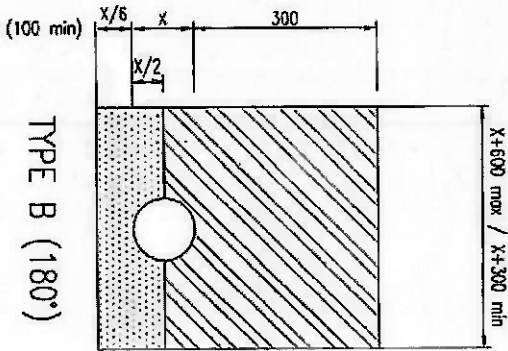
TYPE A (120°)



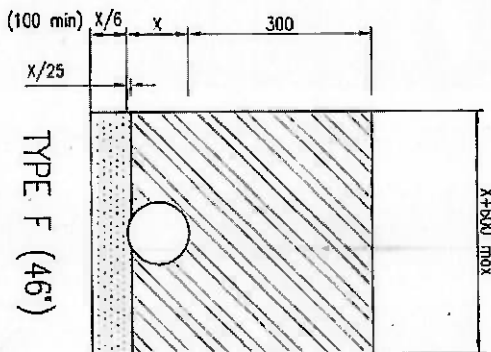
TYPE S



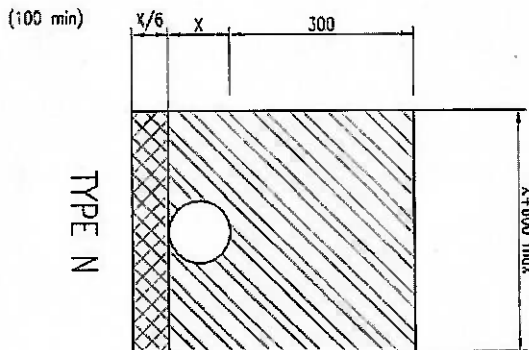
TYPE T



TYPE B (180°)



TYPE F (46°)



TYPE N

- KEY:
- GRANULAR MATERIAL TO MCDRW CLAUSE 503.3(f).
 - CONCRETE TO MCDRW CLAUSE 503.3 (a).
 - MATERIAL TO MCDRW CLAUSE 503.3(f) e.g. SAND.
 - CLASS 1 OR 2 MATERIAL TO MCDRW CLAUSE 503.3(f).

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES.
 2. DIMENSION X IS THE EXTERNAL DIAMETER OF THE PIPE.
 3. THE MINIMUM AND MAXIMUM WIDTH OF THE TRENCH APPLIES ON AND BELOW A LINE 300MM ABOVE THE OUTSIDE TOP OF THE PIPE. ABOVE THE 300MM LINE THE TRENCH BACKFILL MATERIAL SHALL BE AS DESCRIBED IN CLAUSE 505 OF MCDRW.
 4. THE CONCRETE BED OR SURROUND MAY EXTEND TO THE SIDES OF THE TRENCH OR BE OF MINIMUM WIDTH. CLASS B MATERIAL IS TO BE USED TO FILL ANY Voids SO FORMED.
 5. FOR TYPE Z TRENCH THE CONCRETE COVER MAY BE FORMED TO A RADIOUS BATTER OR HORIZONTAL SURFACE. MINIMUM COVER OF CONCRETE SHALL BE 150.

NOT TO SCALE

NRA NATIONAL
ROADS
AUTHORITY

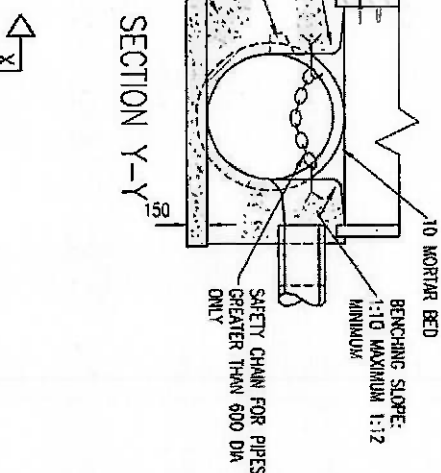
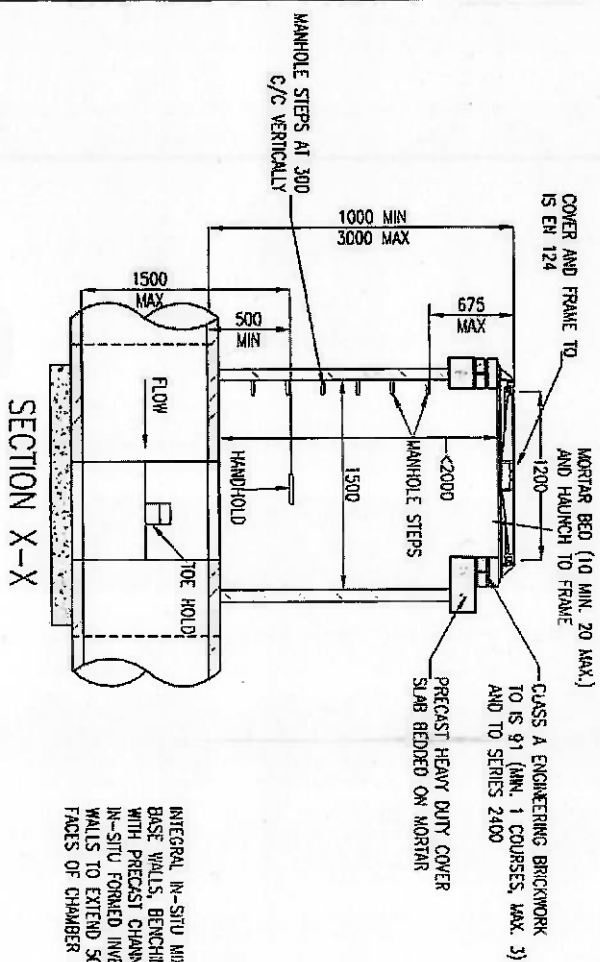
ROAD CONSTRUCTION
DETAILS

DRAINAGE

P3	01/09
P2	10/07
P1	03/00
Issue	Date

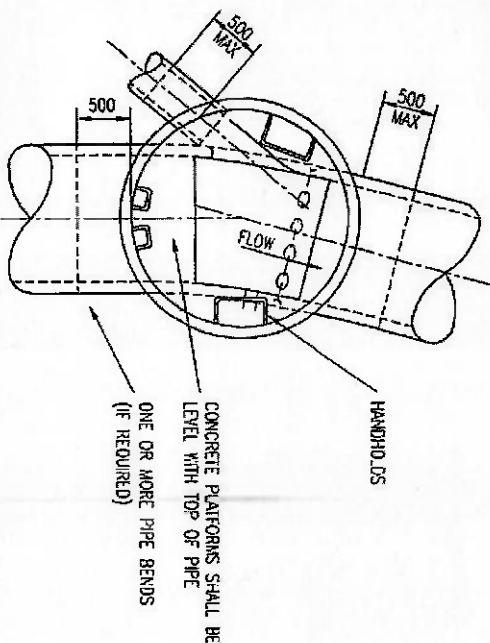
SURFACE WATER DRAINS –
TRENCH AND BEDDING DETAILS

Drawing No.
RCD/
500/2

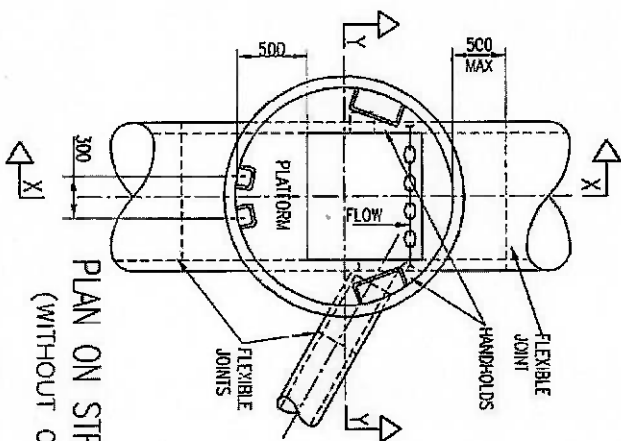


- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES EXCEPT WHERE STATED.
 2. CHAMBER WALLS AND COVER SLAB TO BE CONSTRUCTED IN PRECAST CONCRETE TO BS 5911-3 AND IS EN 1917.
 3. FOR INVERT DETAILS, NUMBER OF BRANCHES, DETAILS OF PIPES AND TYPE OF COVER AND FRAME SEE THE DRAINAGE SCHEDULE.
 4. MORTAR TO BE DESIGNATION (I) TO SERIES 2400.
 5. SAFETY CHAIN REQUIRED WHERE PIPE IS GREATER THAN 600 DIAMETER. SEE DRAWING NO RCD/500/11 FOR DETAILS OF SAFETY CHAIN AND HANDHOLDS.
 6. TOE HOLD REQUIRED WHERE PIPE IS 525 DIAMETER OR GREATER. SEE DRAWING NO RCD/500/11 FOR DETAILS.
 7. MANHOLE OPENING TO BE FURTHEST FROM THE NEAREST CARRIAGEWAY AND MANHOLE STEPS POSITIONED TO ALLOW VIEWING OF ONCOMING TRAFFIC.
 8. CATCHPIT G AS DRAWING NO RCD/500/12 MAY BE USED AS AN ALTERNATIVE ON SURFACE WATER SEWERS UP TO 1800mm DEEP TO INVERT.

PLAN ON CURVED INVERT
(WITHOUT COVER SLAB)



PLAN ON STRAIGHT INVERT
(WITHOUT COVER SLAB)



NOT TO SCALE

NRA NATIONAL
ROADS
AUTHORITY

ROAD CONSTRUCTION
DETAILS

DRAINAGE

P3	01/09
P2	10/07
P1	03/00
Issue	Date

MANHOLE TYPE C
(PRECAST CONCRETE MANHOLE)

Drawing No.

RCD/
500/6