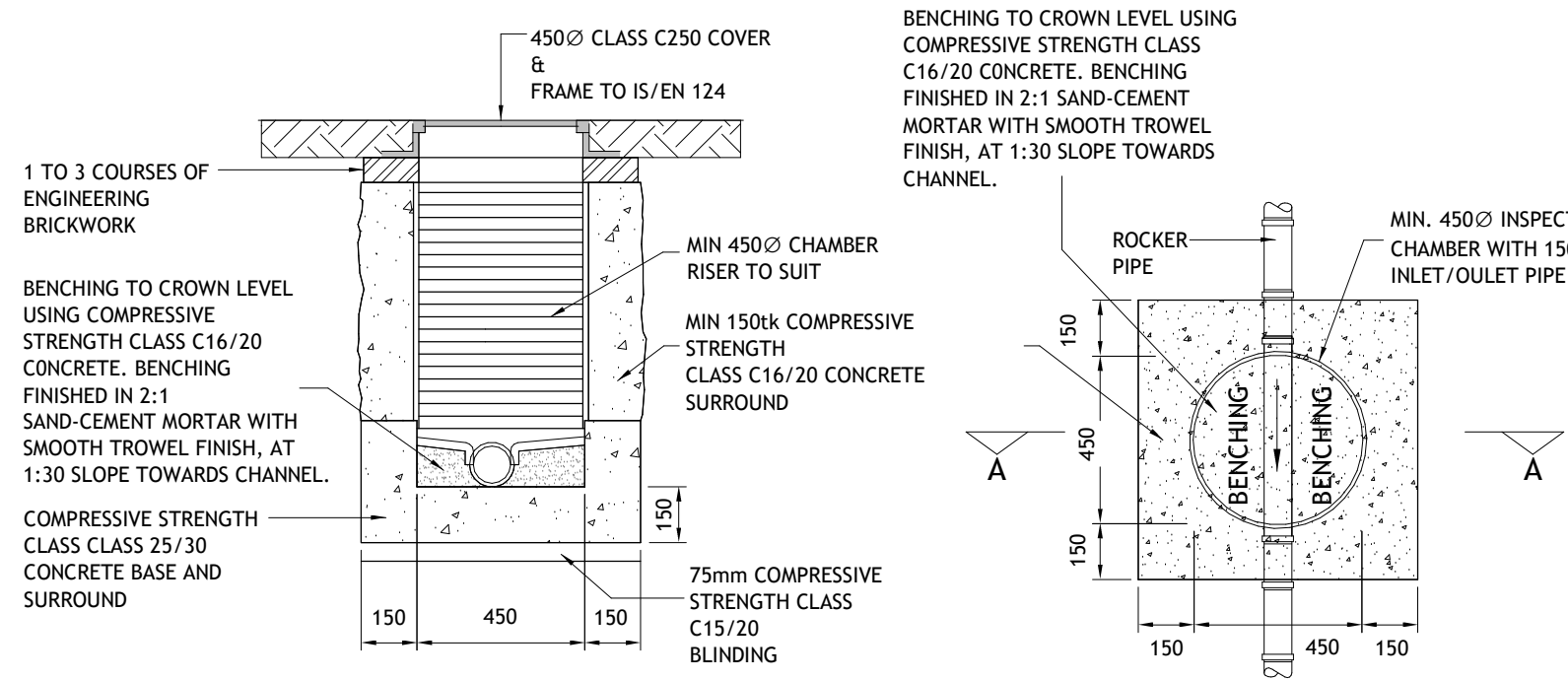
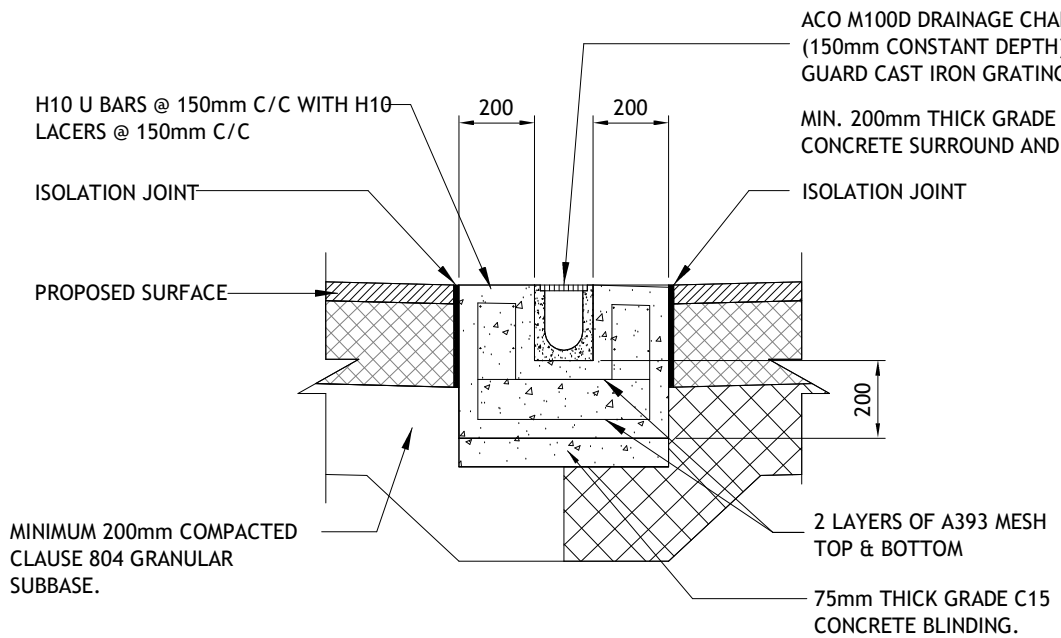




SECTION A-A

INSPECTION CHAMBER BASE

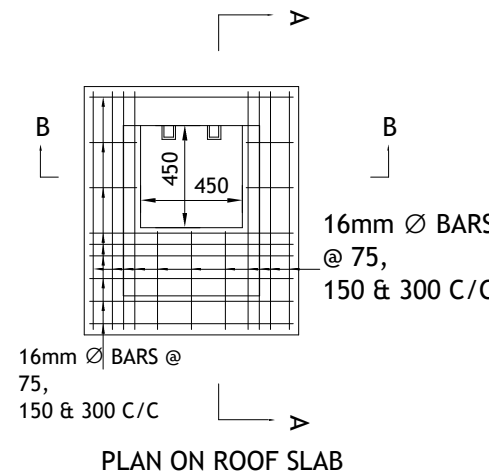
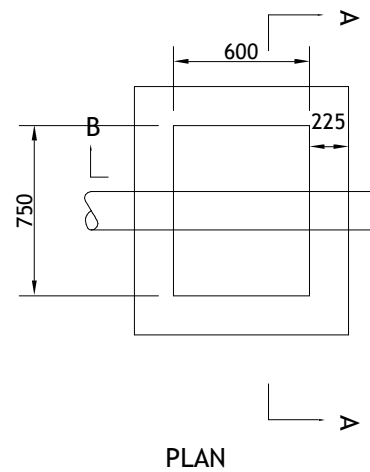
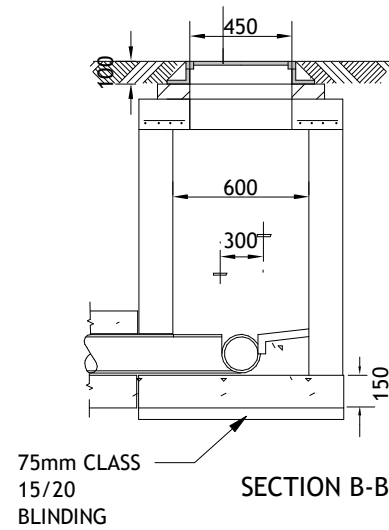
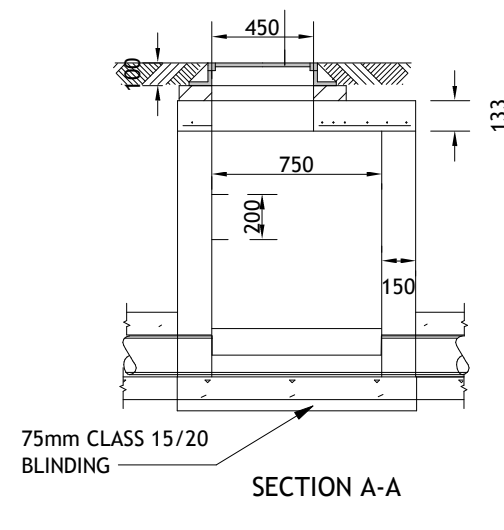
PRIVATE MANHOLE UP TO 1.0m DEEP
SCALE 1:20



ACO CHANNEL DETAIL
SCALE 1:20 @ A1

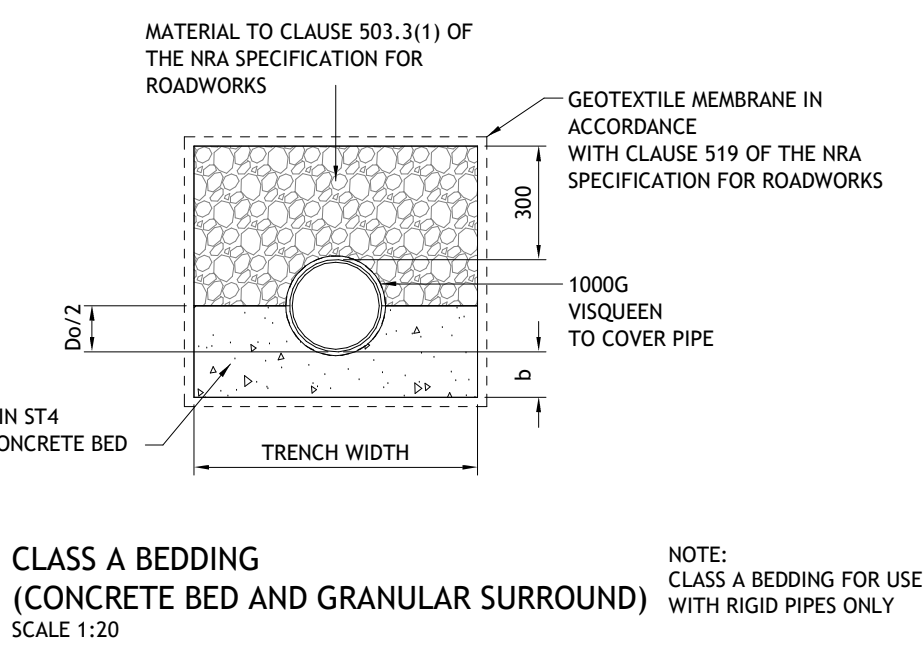
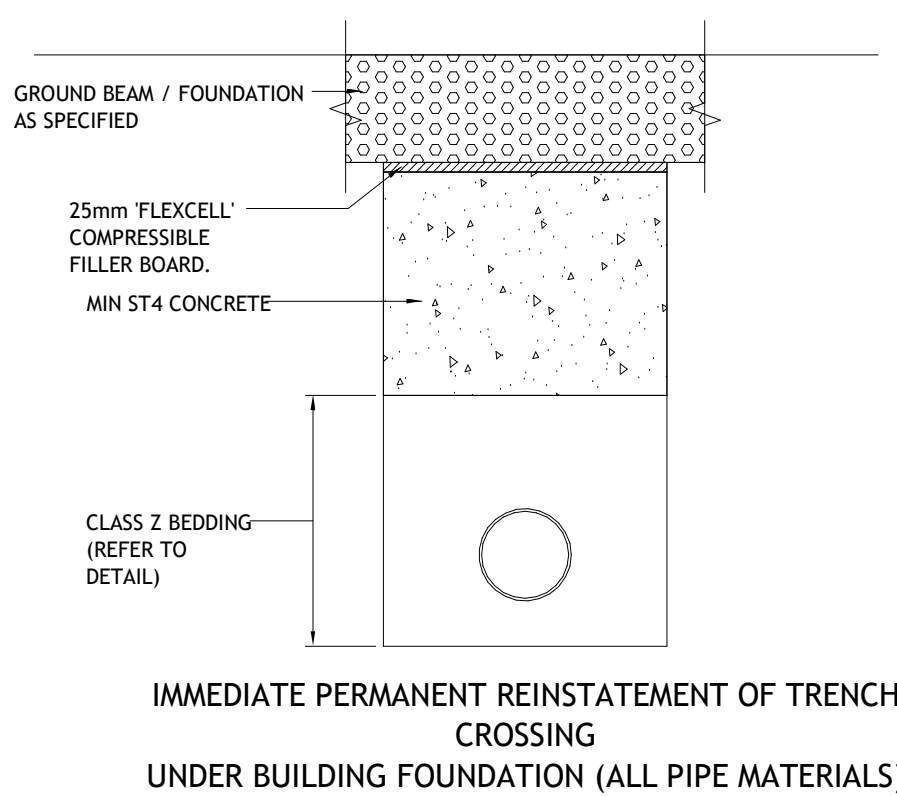
CLASS C250 (NON-TRAFFICKED AREAS)
OR
CLASS D400 (TRAFFICKED AREAS)
TO IS/EN 124 MANHOLE COVER & FRAME
BEDDED AND HAUNCHED IN MORTAR
TO MANUFACTURERS SPECIFICATION.

CLASS C250 (NON-TRAFFICKED AREAS)
OR
CLASS D400 (TRAFFICKED AREAS)
TO IS/EN 124 MANHOLE COVER & FRAME
BEDDED AND HAUNCHED IN MORTAR
TO MANUFACTURERS SPECIFICATION.



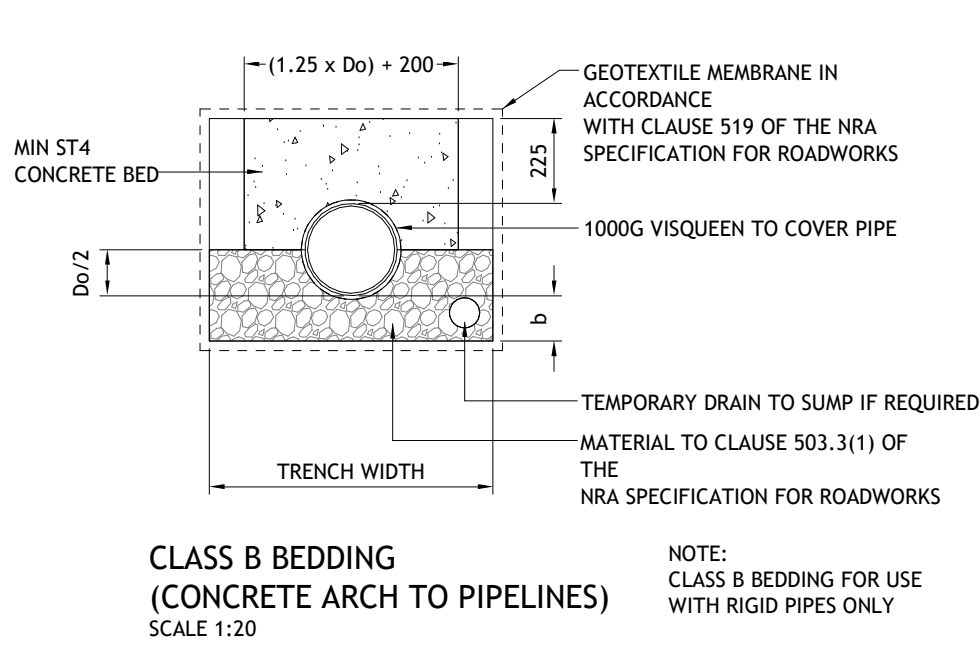
INSITU CLASS 30/20 CONCRETE OR SOLID CONC. BLOCKWORK OR PRECAST CONC. MANHOLE LESS THEN 2.5 DEEP (INSITU CONC. TYPE DETAILED)

FOR USE 1) WHERE CHANNEL IS STRAIGHT THROUGH OR CURVED <45°
FOR PIPES OVER 225mm DIA AND UP TO 375mm DIA.
AND 2) FOR JUNCTION MANHOLES OR CURVED CHANNELS >45°
FOR ALL PIPES UP TO 375mm Ø.



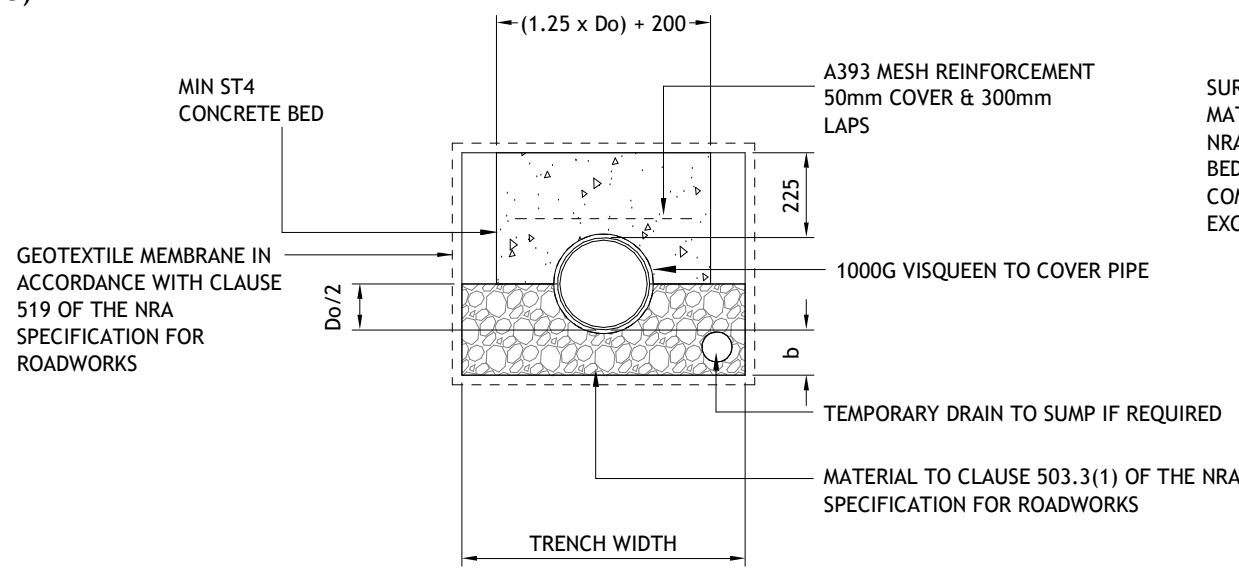
CLASS A BEDDING
(CONCRETE BED AND GRANULAR SURROUND)
SCALE 1:20

NOTE: CLASS A BEDDING FOR USE WITH RIGID PIPES ONLY

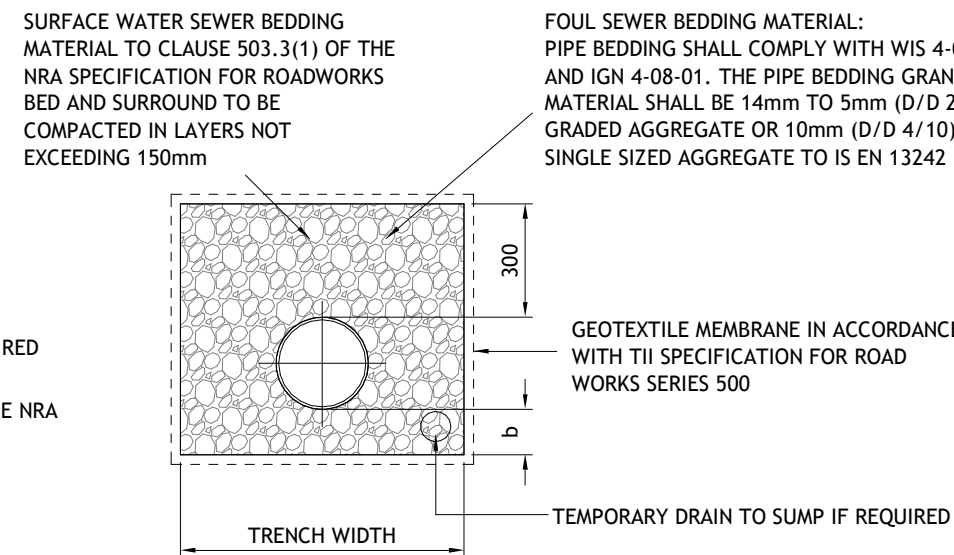


CLASS B BEDDING
(CONCRETE ARCH TO PIPELINES)
SCALE 1:20

NOTE: CLASS B BEDDING FOR USE WITH RIGID PIPES ONLY

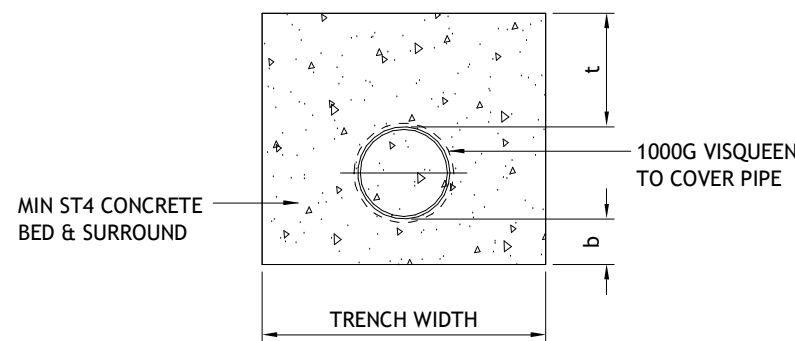


CLASS C BEDDING
(REINFORCED CONCRETE ARCH TO PIPELINES)
SCALE 1:20

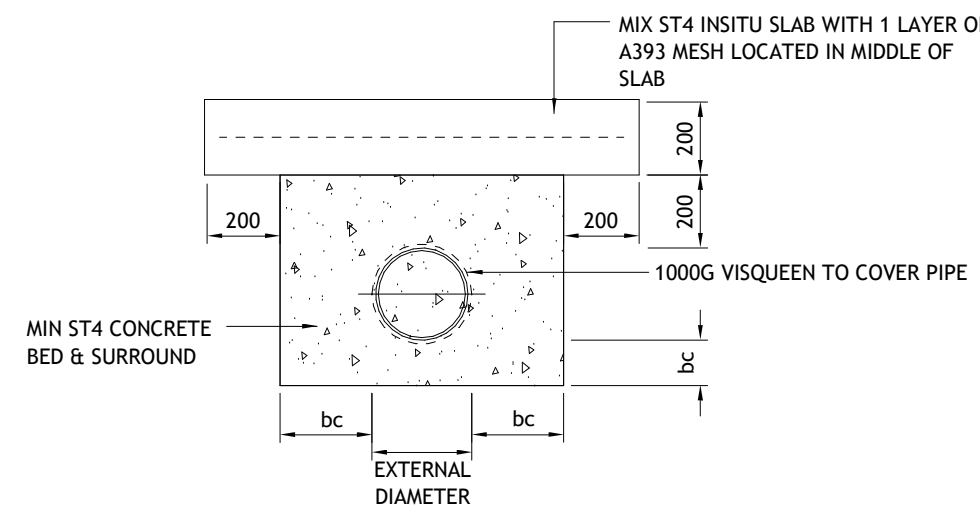


CLASS S BEDDING
(GRANULAR BED AND SURROUND)
SCALE 1:20

NOTE: CLASS S BEDDING FOR USE WITH FLEXIBLE PIPES ONLY



CLASS Z BEDDING
(CONCRETE BED AND SURROUND)
SCALE 1:20



CLASS X BEDDING
(CONCRETE BED AND SURROUND)
(WITH REINFORCED CONCRETE SLAB)
SCALE 1:20

TRENCH WIDTHS AND DIMENSIONS FOR FOUL AND SURFACE WATER DRAINS				
PIPE DIAMETER (mm)	"Do" (mm)	"b" (mm)	"t" (mm)	TRENCH WIDTH (mm)
100	150	150	150	600
150	210	150	150	700
225	300	150	150	750
300	400	150	150	850
375	480	150	150	950
450	560	150	150	1000
525	650	150	150	1100
600	735	150	150	1200
675	850	200	200	1350
750	910	200	200	1450
900	1080	200	200	1650

TABLE 1

DIMENSION-bc

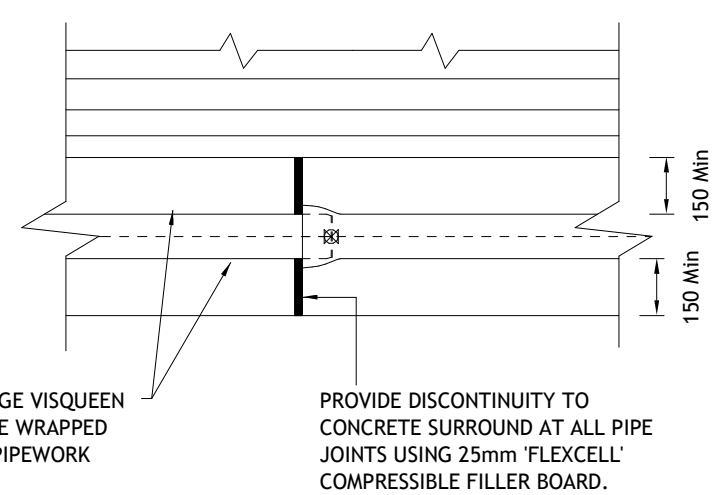
NOMINAL PIPE DIAMETER (mm)	100-450 incl.	525-600 incl.	750	900	1050	1200
bc (mm)	100	150	200	225	250	300

TABLE 2

NOTES (PIPE BEDDING)

- CLAY PUDDLE SHALL BE INCORPORATED IN THE PIPE BED & SURROUND AND TRENCH BACKFILL MATERIAL IN ACCORDANCE WITH THE SPECIFICATION AT 50m INTERVALS
- IN ROCK OR MIXED SOILS CONTAINING BOULDERS OR HARD SPOTS INCREASE PIPE BEDDING DEPTH BY 100mm
- THE EMPLOYER'S REPRESENTATIVE MAY INSTRUCT THAT SPECIFIC PROVISION FOR DRAINAGE ALONG THE PIPE TRENCH BE MADE BY MEANS OF CONCRETE OR OTHER LAND DRAINAGE PIPES WHERE THE WATER TABLE LEVEL SO REQUIRES.
- FOR DIMENSIONS "b", "Do/2" AND TRENCH WIDTH REFER TO TABLE 1
- FOR DIMENSIONS "bc" REFER TO TABLE 2
- Do = PIPE OUTER DIAMETER

PIPE BEDDING DETAILS



CONCRETE SURROUND TO PIPELINES DETAIL
SCALE 1:20 @ A1

TO	INFORMATION ISSUE	RC	18.06.26
REV	AMENDMENT	BY	DATE
CE PROJECT EXECUTION CLASS: All materials supplied in relation to those specified on this drawing are to be CE marked in accordance with the European Union Declaration of conformity			
DRAWING STATUS CONSTRUCTION			
 Structural & Civil Engineers Web: www.coughlanconsulting.ie E-Mail: info@coughlanconsulting.ie			
CLIENT	BREIRHILL NS, CASTLEBAR, CO. GALWAY		
PROJECT	REMEDIAL WORKS TO BRIERHILL NATIONAL SCHOOL		
DRAWING TITLE	STANDARD DRAINAGE DETAILS SHEET		
SHEET SIZE	SCALE	DATE	STATUS
A1	As indicated	JUNE 26	A1
PROJECT No.	DRAWING No.	REV	REV
2026	2026-CCE-ZZ-ZZ-DR-S-2003	C0	C0