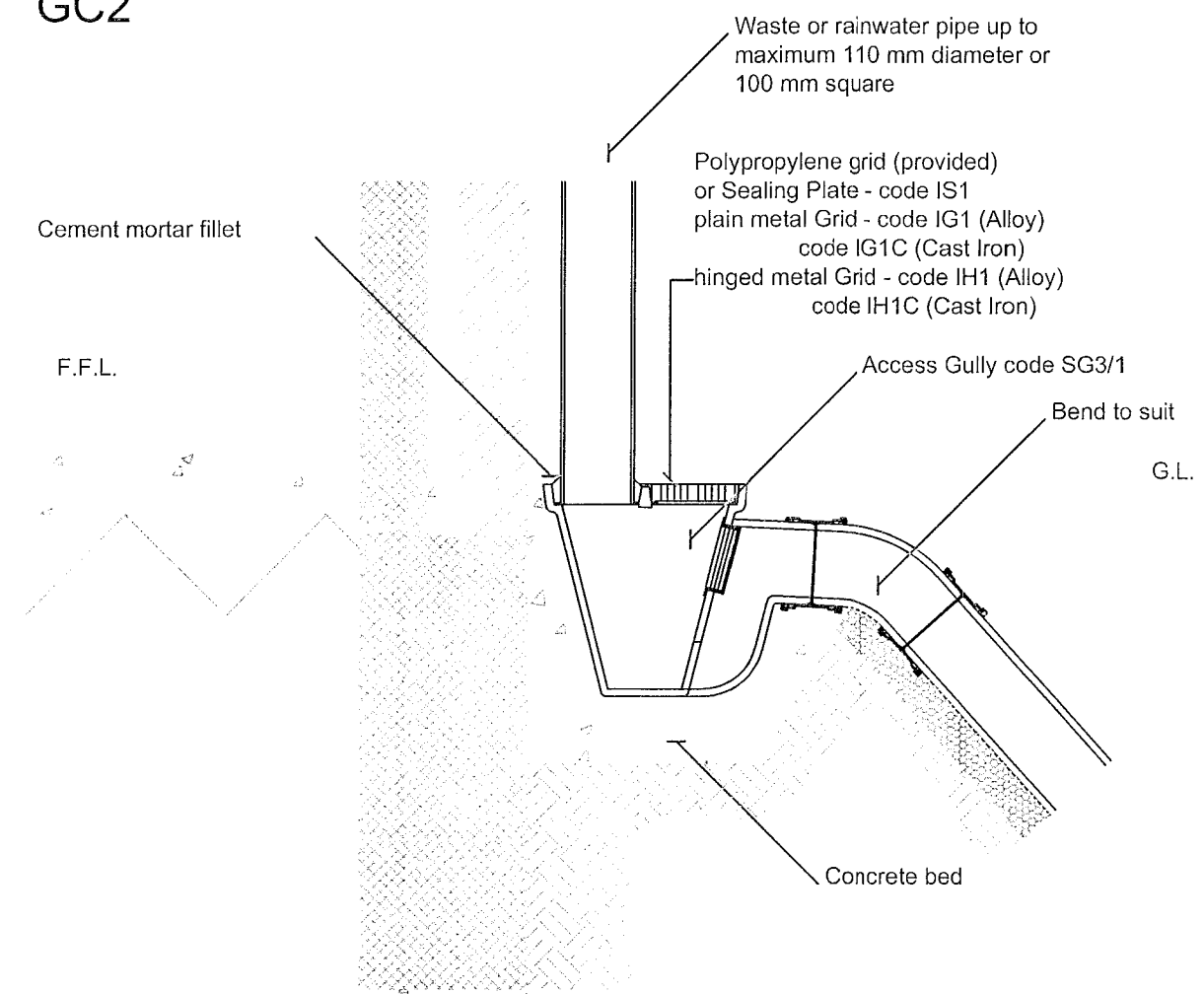
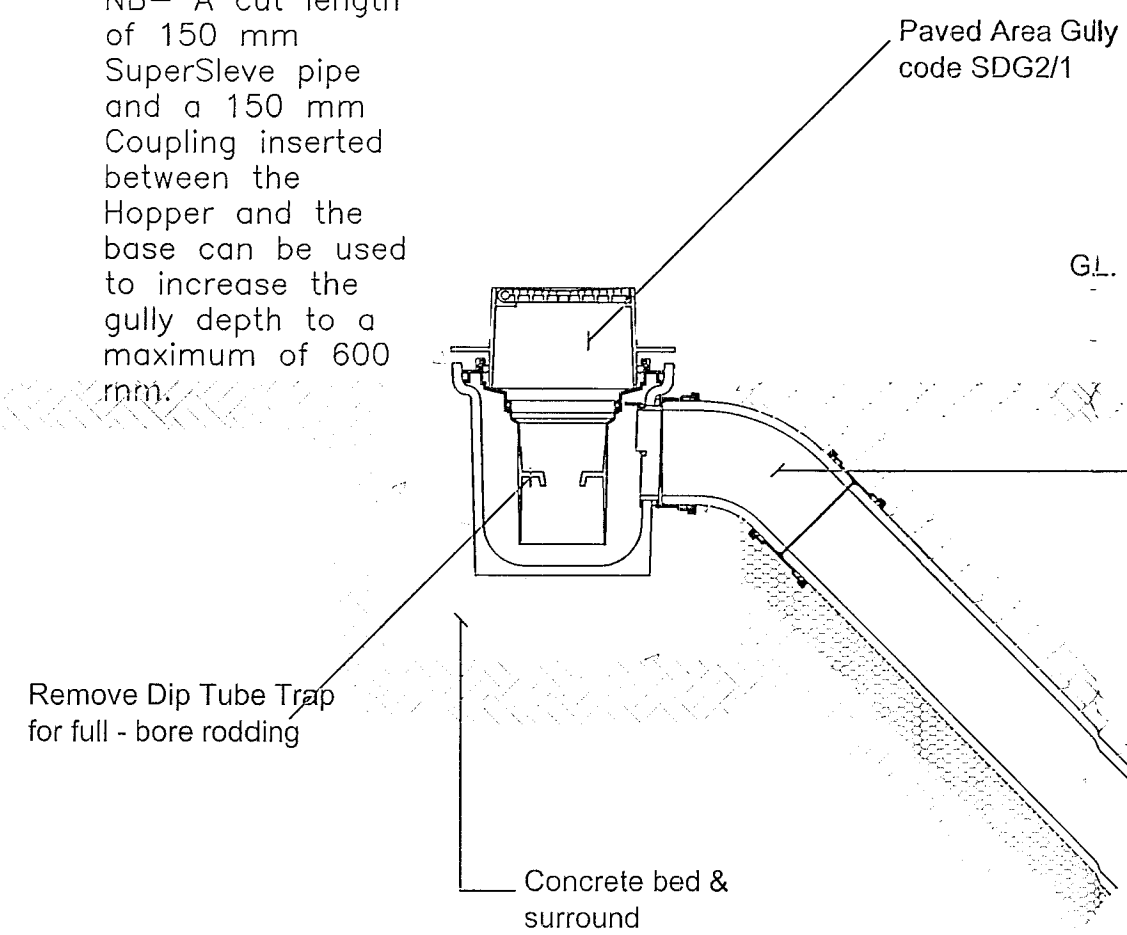


**Access Gully.  
Connection Detail  
GC2**

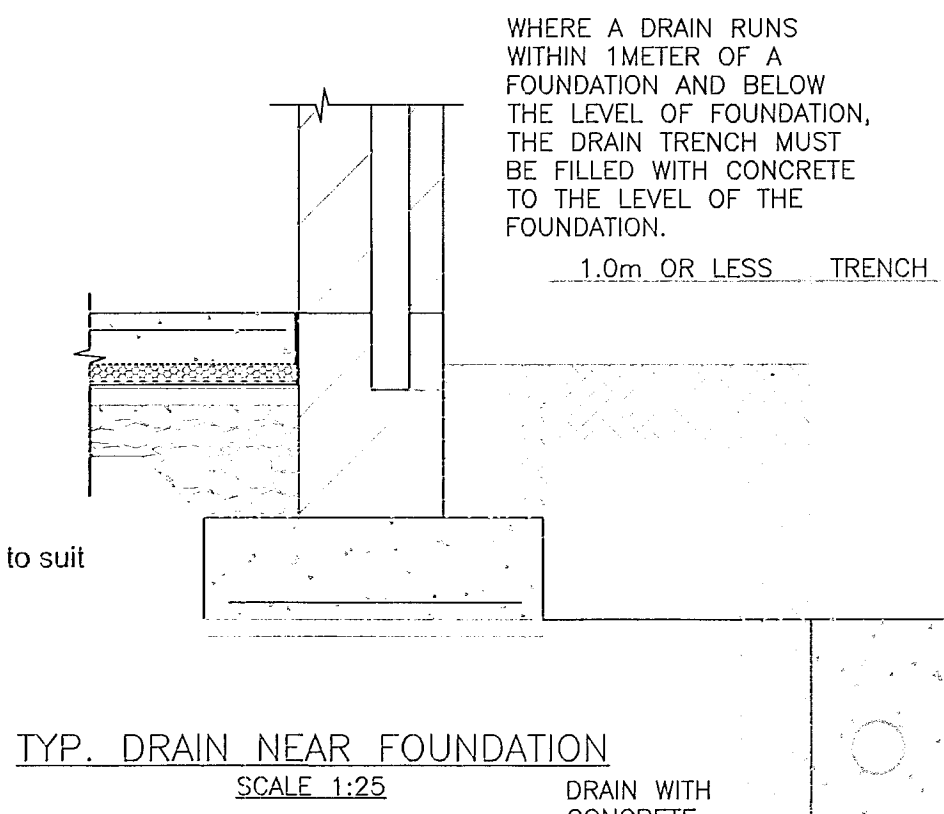


NB - A cut length of 150 mm SuperSleeve pipe and a 150 mm Coupling inserted between the Hopper and the base can be used to increase the gully depth to a maximum of 600 mm.

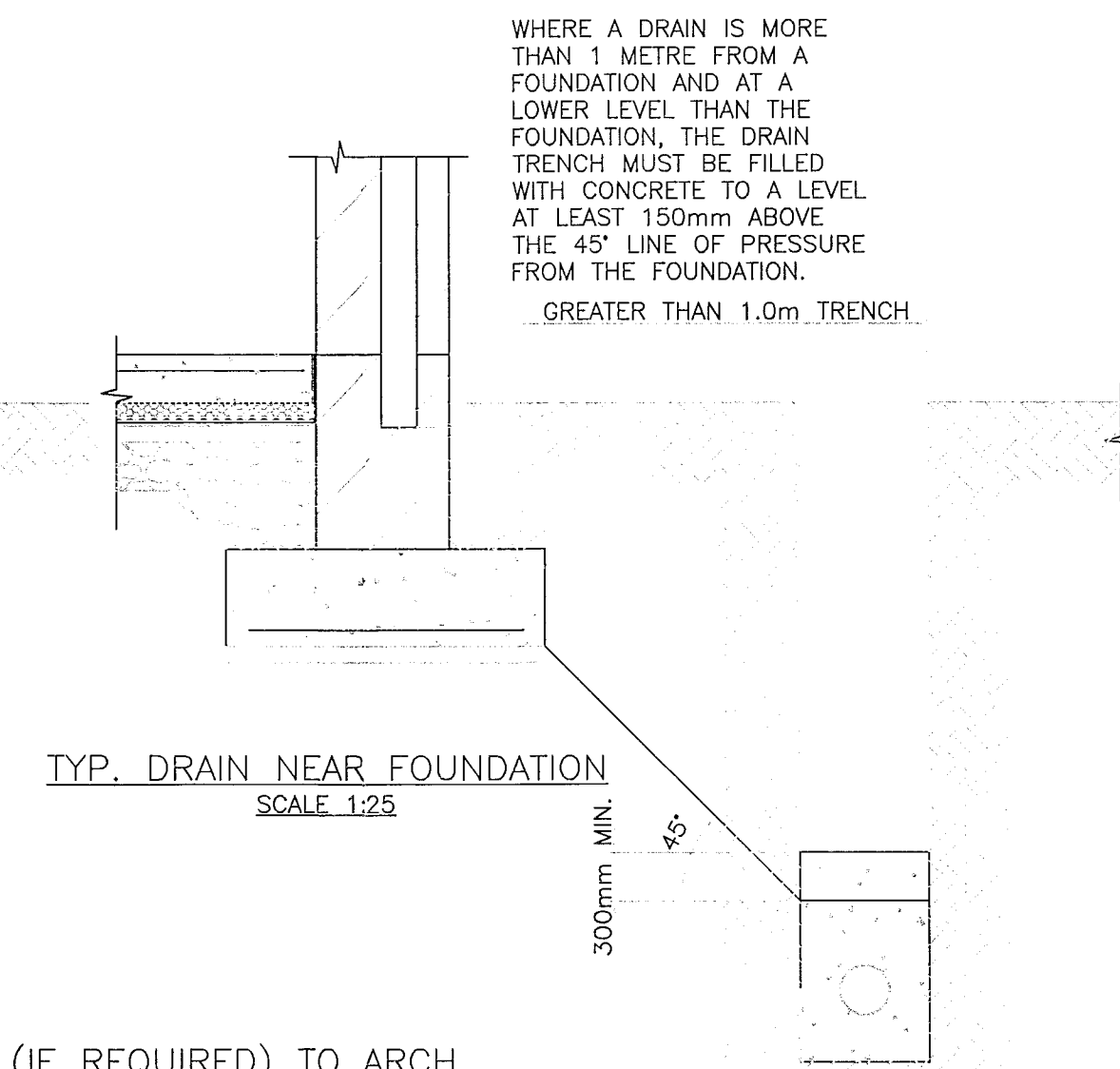


**Paved Area Gully  
Connection Detail**

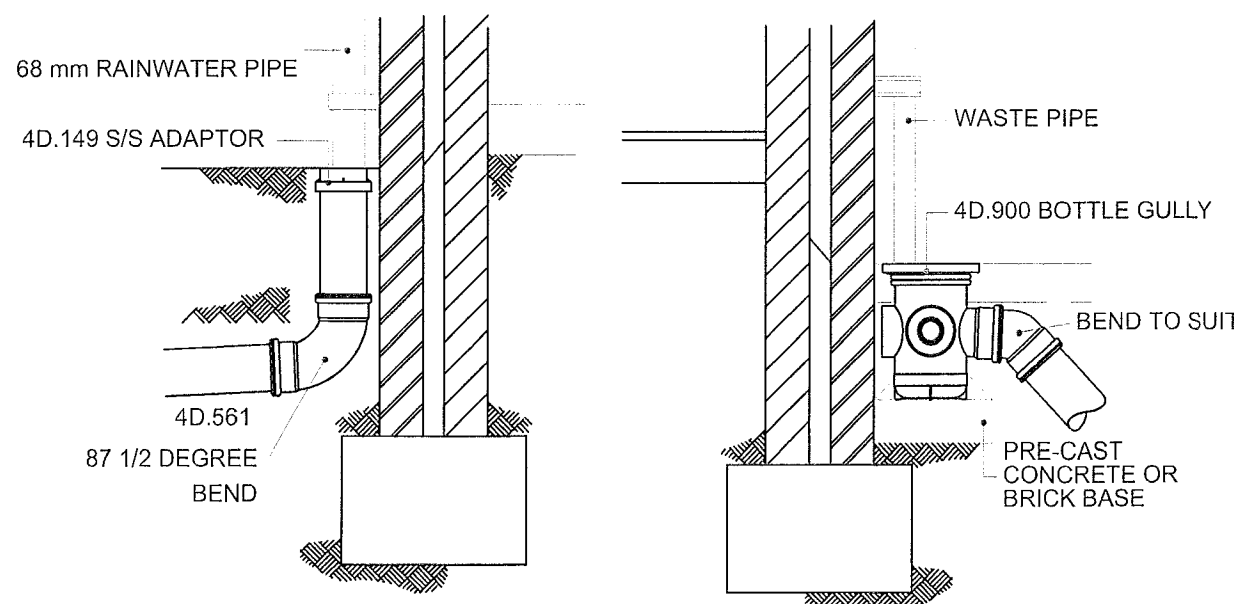
WHERE A DRAIN RUNS WITHIN 1METER OF A FOUNDATION AND BELOW THE LEVEL OF FOUNDATION, THE DRAIN TRENCH MUST BE FILLED WITH CONCRETE TO THE LEVEL OF THE FOUNDATION.



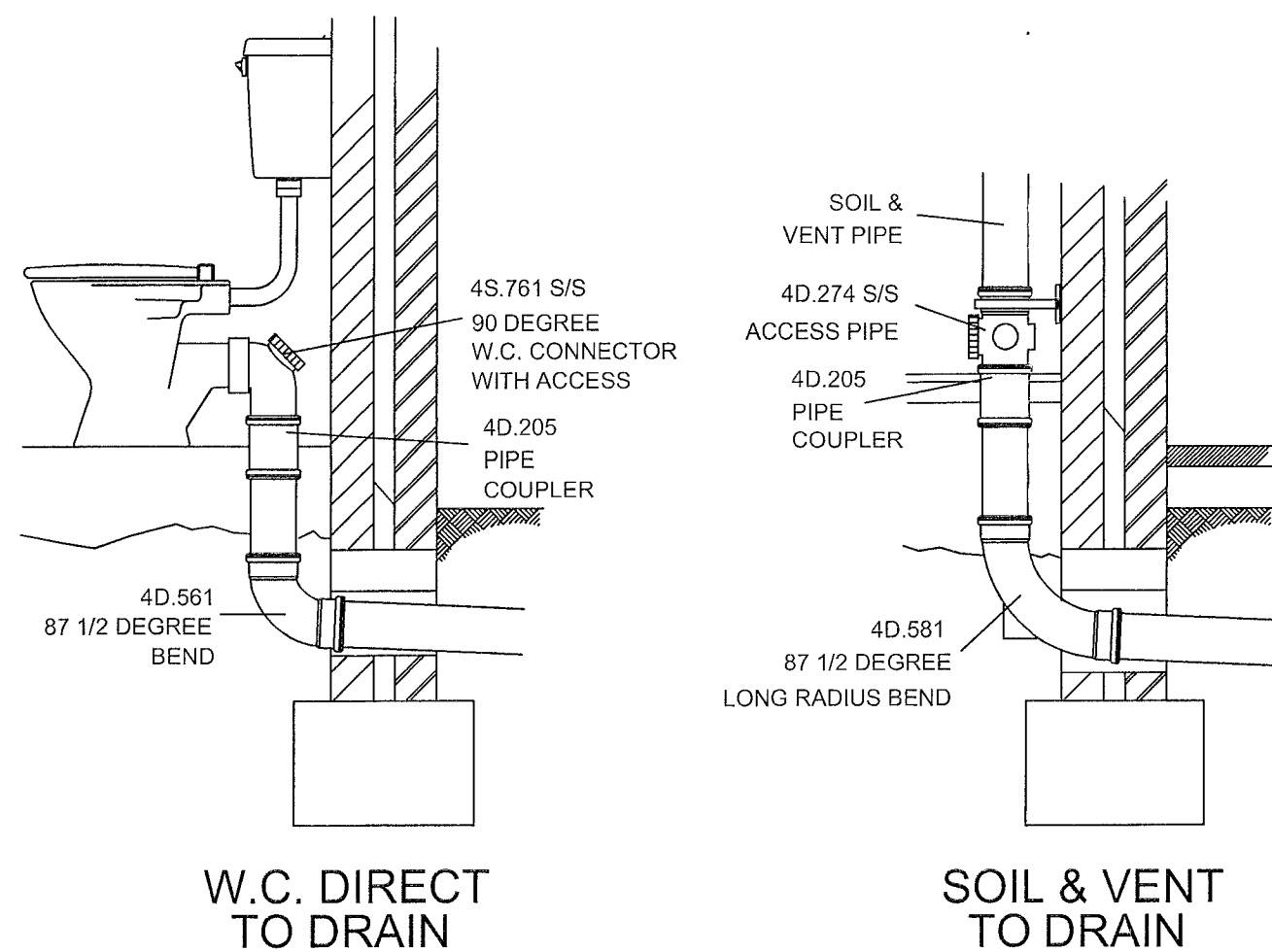
WHERE A DRAIN IS MORE THAN 1 METRE FROM A FOUNDATION AND AT A LOWER LEVEL THAN THE FOUNDATION, THE DRAIN TRENCH MUST BE FILLED WITH CONCRETE TO A LEVEL AT LEAST 150mm ABOVE THE 45° LINE OF PRESSURE FROM THE FOUNDATION.



GENERAL: ALL RADON PROTECTION (IF REQUIRED) TO ARCH. DETAILS

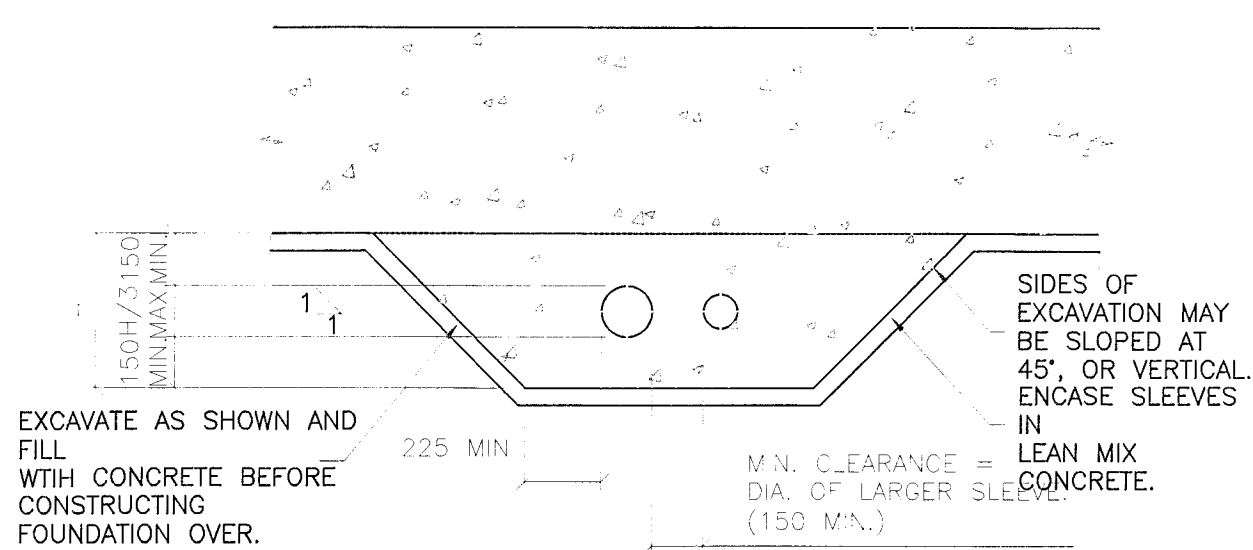


**EXTERNAL R.W.P. TO DRAIN  
EXTERNAL WASTE PIPE TO GULLY**

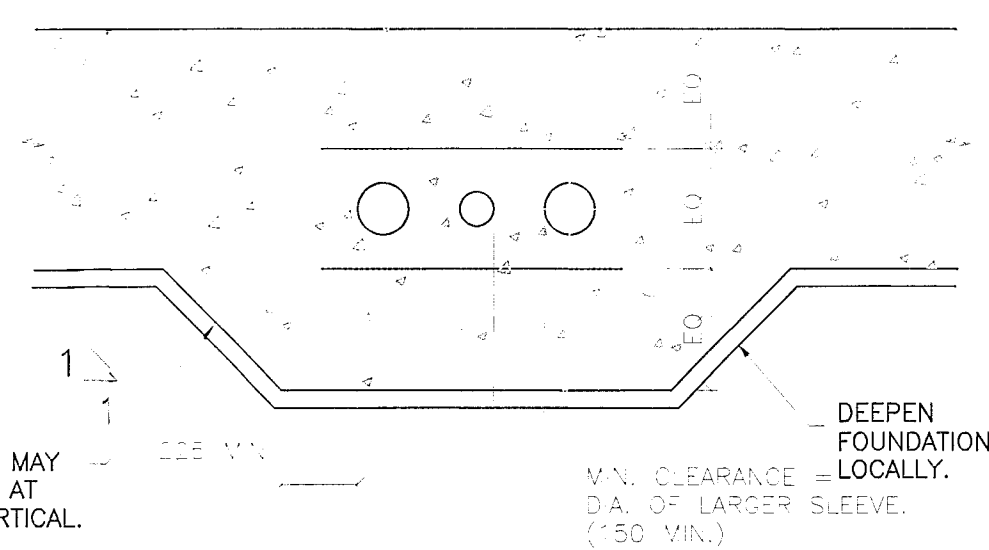


**W.C. DIRECT TO DRAIN**

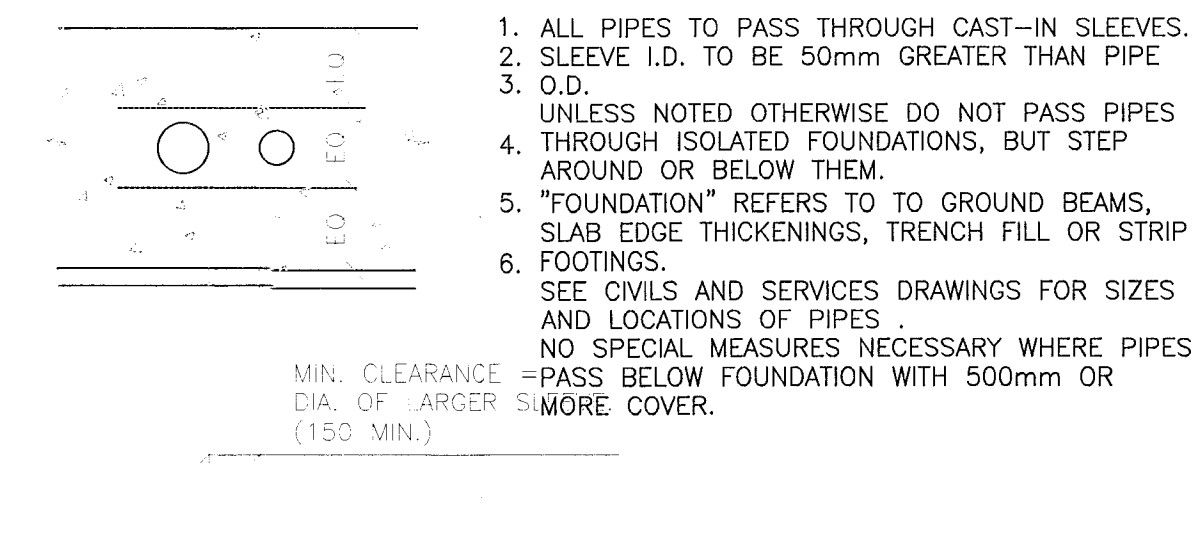
**SOIL & VENT TO DRAIN**



**PIPES BELOW FOUNDATION -  
LESS THAN 500 COVER  
SCALE: 1:25**

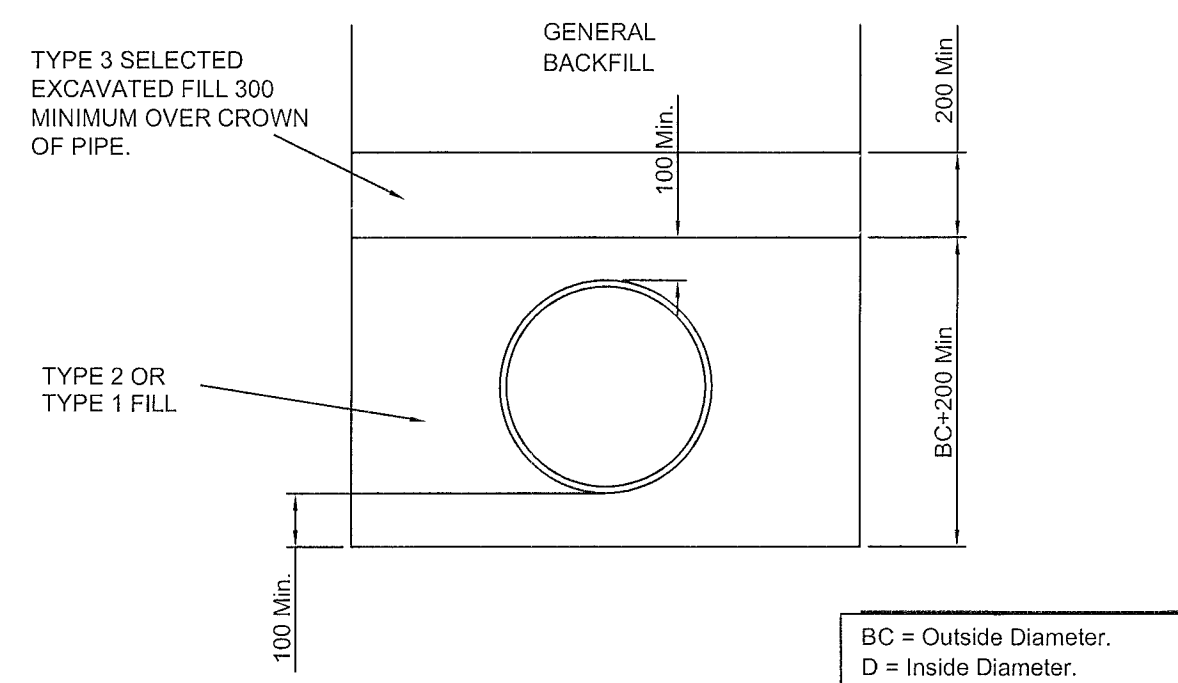


**PIPES WITHIN FOUNDATION -  
BELOW MIDDLE THIRD  
SCALE: 1:25**

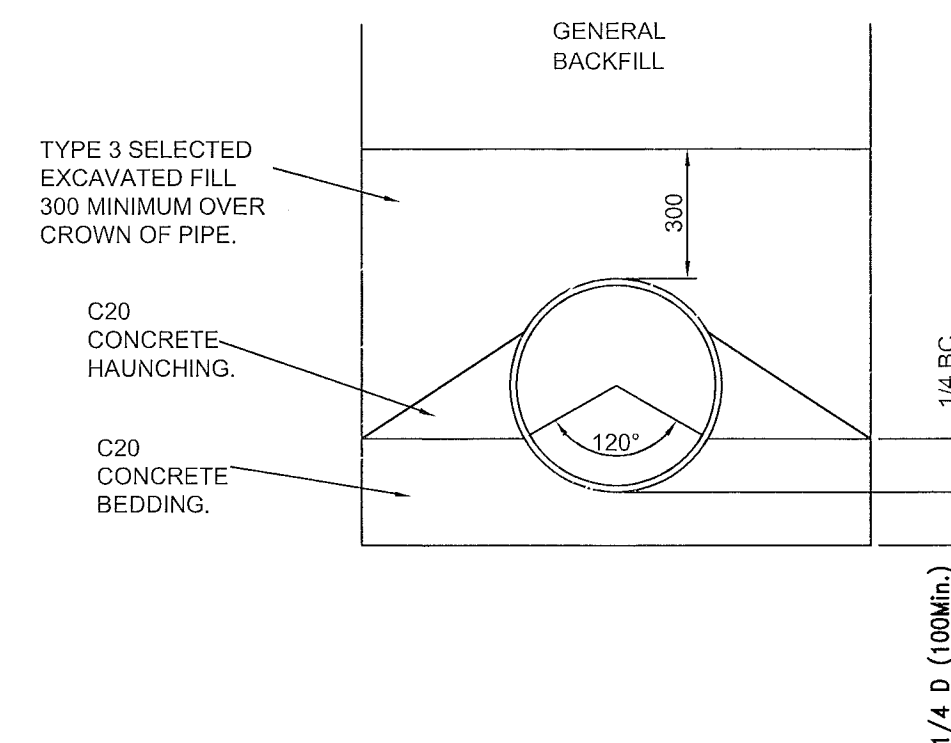


**PIPES WITHIN FOUNDATION -  
IN MIDDLE THIRD  
SCALE: 1:25**

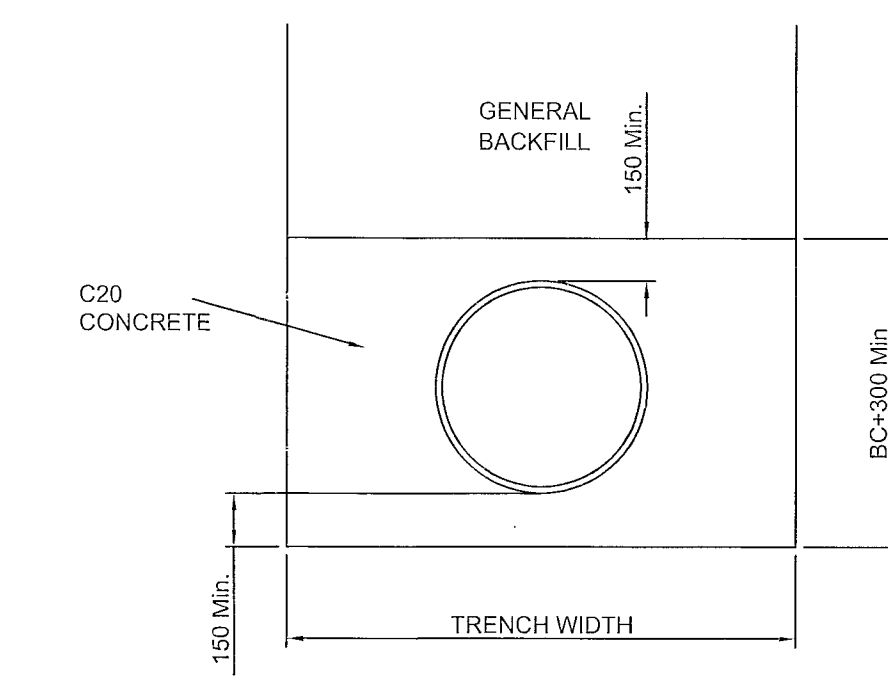
1. ALL PIPES TO PASS THROUGH CAST-IN SLEEVES.
  2. SLEEVE I.D. TO BE 50mm GREATER THAN PIPE O.D.
  3. O.D.
  4. UNLESS NOTED OTHERWISE DO NOT PASS PIPES THROUGH ISOLATED FOUNDATIONS, BUT STEP AROUND OR BELOW THEM.
  5. "FOUNDATION" REFERS TO GROUND BEAMS, SLAB EDGE THICKENINGS, TRENCH FILL OR STRIP FOOTINGS.
  6. SEE CIVILS AND SERVICES DRAWINGS FOR SIZES AND LOCATIONS OF PIPES.
- NO SPECIAL MEASURES NECESSARY WHERE PIPES PASS BELOW FOUNDATION WITH 500mm OR (150 MIN.)



**BEDDING TO uPVC PIPES  
COVER TO CROWN > 1.0m**



**CONCRETE BEDDED &  
HAUNCHED PIPE DETAIL**



**CONCRETE ENCASED  
PIPE DETAIL**

**PIPE BEDDING MATERIAL**

- TYPE 1** GRANULAR BEDDING TYPE 1 SHALL COMPRISE OF BROKEN STONE OR GRAVEL TO PASS 10mm SIEVE AND BE RETAINED ON 5mm SIEVE. COMPACTION FRACTION > 0.2 TO BS 8301 APPENDIX D.
- TYPE 2** GRANULAR BEDDING TYPE 2 SHALL COMPRISE OF GRAVEL GRADED 20 - 5mm COMPACTION FRACTION > 0.2 TO BS 8301 APPENDIX D.
- TYPE 3** SELECTED FILL TYPE 3, CLEAN EXCAVATED MATERIAL SHALL COMPRISE UNIFORM READILY COMPACTIBLE MATERIAL FREE FROM TREE ROOTS, VEGETABLE MATTER BUILDING RUBBISH AND FROZEN SOIL AND EXCLUDING CLAY LUMPS RETAINED ON 75mm SIEVE AND STONES RETAINED ON 25mm SIEVE.

**NOTE:**  
PIPES UNDER PAVEMENTS OR ROADWAYS  
ALL PIPES WITH INVERT LEVELS < 1.2M BELOW GROUND LEVEL TO BE BEDDED AND SURROUNDED IN CONCRETE.  
ALL PIPES WITH INVERT LEVELS > 1.2M BELOW GROUND LEVEL TO BE BEDDED AND HAUNCHED IN CONCRETE.  
(SEE SPECIFICATION)

- PIPES TO BE ENCASED IN CONCRETE**
1. PIPES UNDER BUILDINGS
  2. PIPES IN MADE & FILLED GROUND.
  3. PIPES WITH < 0.6m COVER.

**TRENCH WIDTHS**

FROM THE BOTTOM OF THE TRENCH TO A LEVEL 300 MILLIMETRES ABOVE THE CROWN OF THE PIPE, TRENCH WIDTHS SHALL NOT BE GREATER THAN THE FIGURES SHOWN IN THE TABLE BELOW.

NOMINAL INTERNAL DIAMETER (mm)	100	150	225	300	450	600
TRENCH WIDTH (mm)	450	600	700	750	1150	1350

Job Title: <b>6 Woodstown Way Knocklyon Dublin 16 D16 E638</b>	Client: <b>Mingze (Amy) Wang</b>	Scale: <b>A1 @ 1:100</b>	4 Bridgecourt Office Park Walkinstown Avenue Dublin 12 Tel / Fax: 01-426 4883 / 01-429 7971 email: mail@once.co www.once.co
Drawing Title: <b>DRAINAGE DETAILS</b>	Drawing number: <b>5942/C201</b>	Date: <b>JAN'23</b>	

