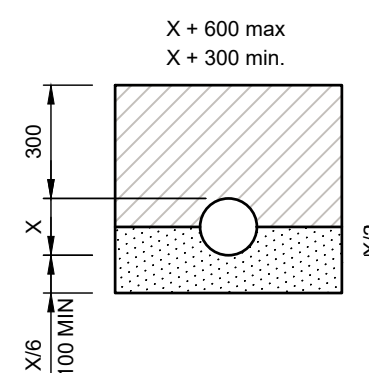
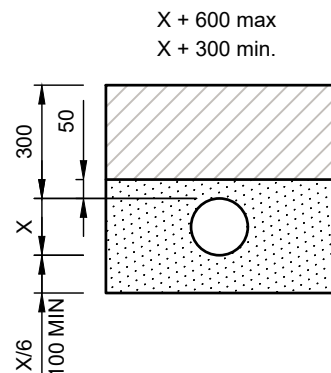
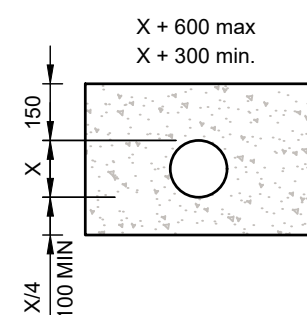




**TYPE B**  
DEPTH TO COVER > 0.9 m



**TYPE S**  
DEPTH TO COVER  
BETWEEN 0.6 m TO 0.9 m



**TYPE Z**  
DEPTH TO COVER < 0.6 m



GRANULAR MATERIAL  
SEE TABLE 1

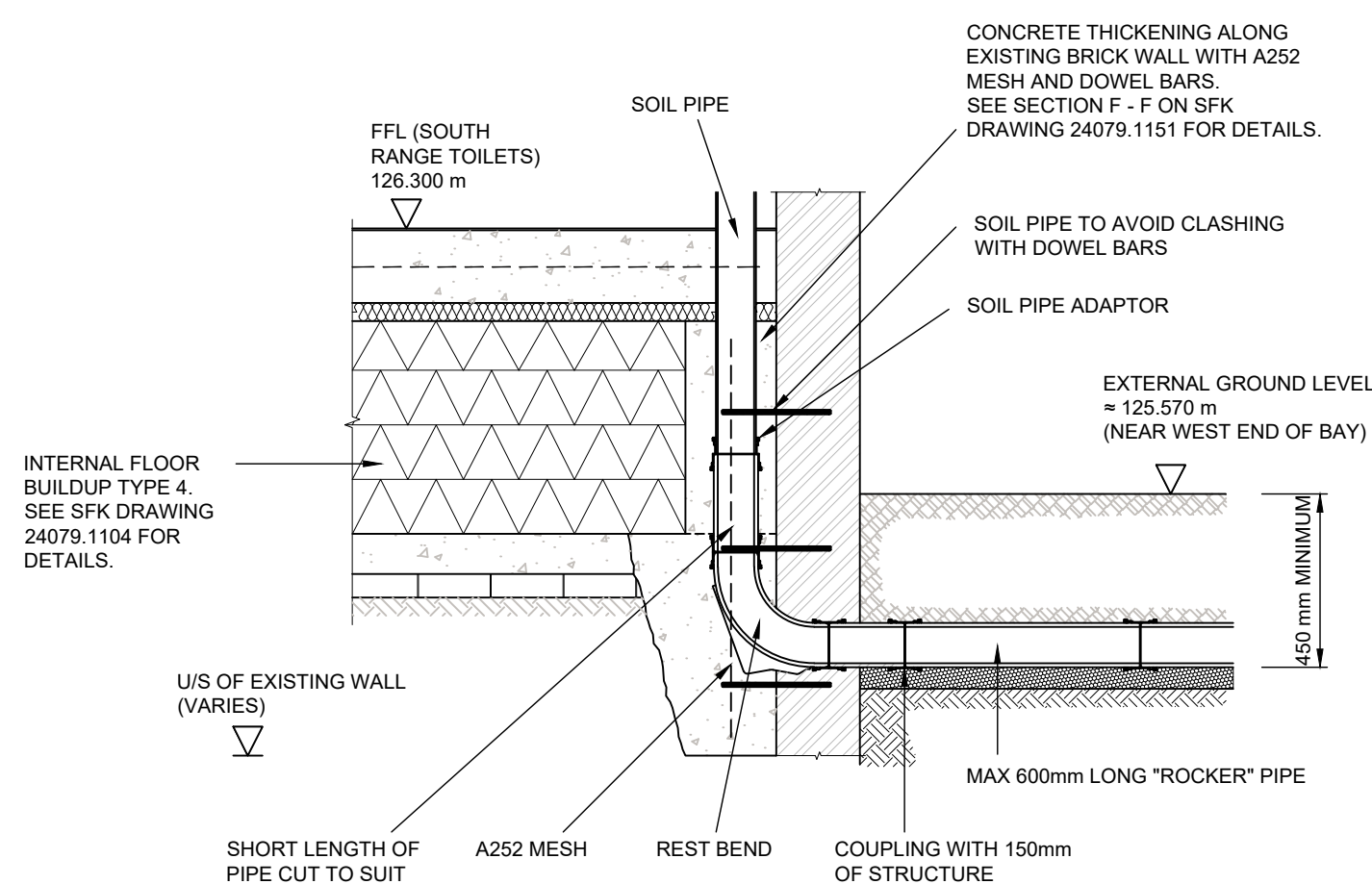
CONCRETE GRADE C20/25

SELECTED FILL - FREE FROM  
STONES LARGER THAN 40mm,  
LUMPS OF CLAY OVER 100mm,  
TIMBER, FROZEN MATERIAL,  
VEGETABLE MATERIAL

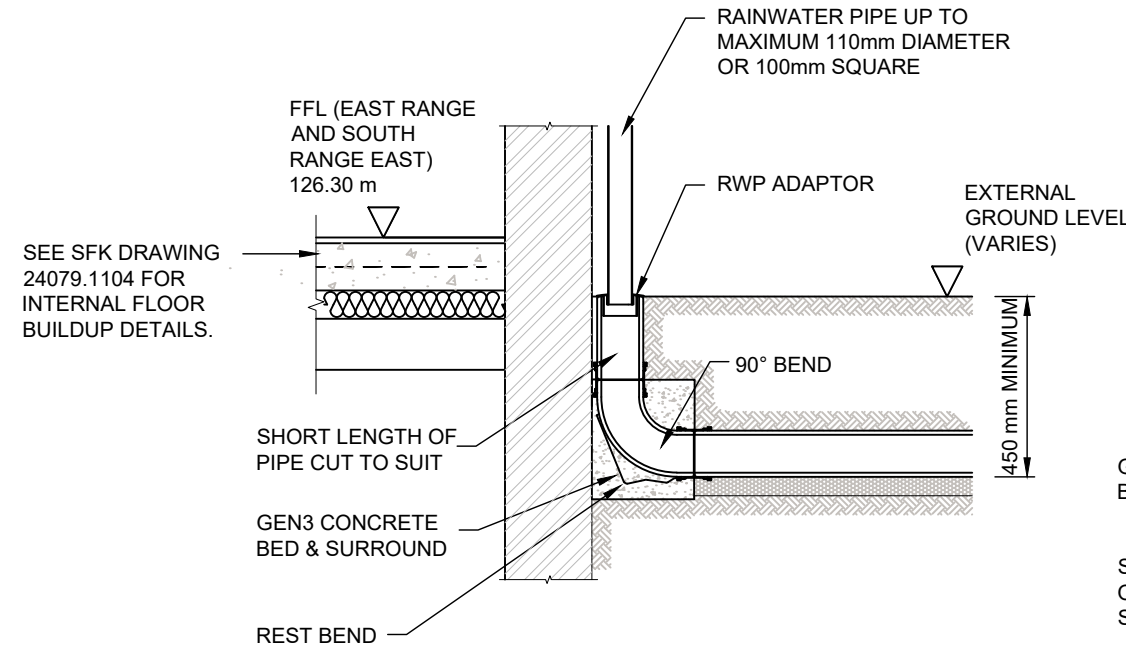
TABLE 1. GRANULAR BEDDING

| PIPE Ø        | NOMINAL MAT. PARTICLE SIZE | MATERIAL DETAIL                                                 |
|---------------|----------------------------|-----------------------------------------------------------------|
| 100mm         | 10mm                       | 10mm single size with no sharp edges                            |
| >100 TO 150mm | 15mm                       | 10mm or 14mm single size, or 14mm to 15mm graded                |
| >150mm        | 20mm                       | 10mm, 14mm or 20mm to 14mm to 5mm graded, or 20mm to 5mm graded |

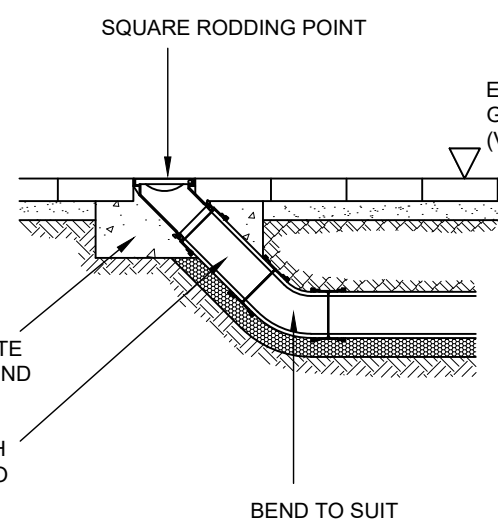
#### PIPE BEDDING DETAILS



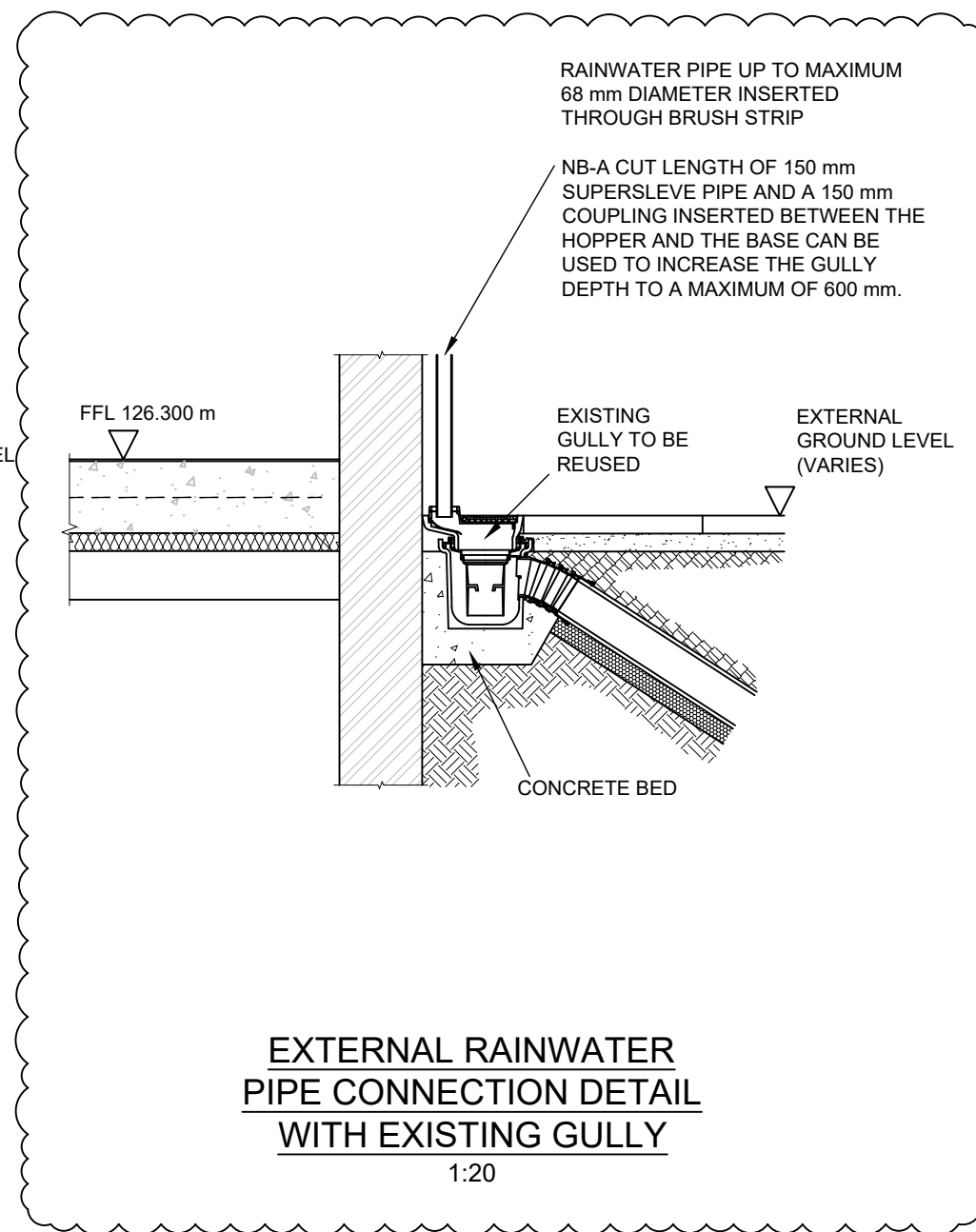
**SOIL & VENT PIPE / STUB STACK / W.C.  
CONNECTION DETAIL - INTERNAL**  
1:20



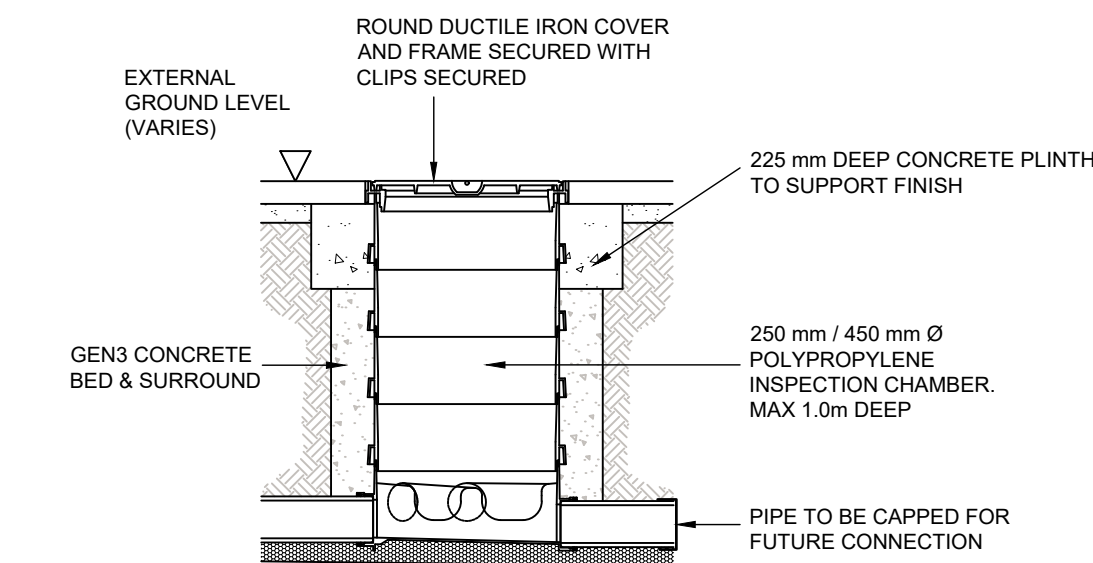
**EXTERNAL RAINWATER  
PIPE CONNECTION DETAIL**  
1:20



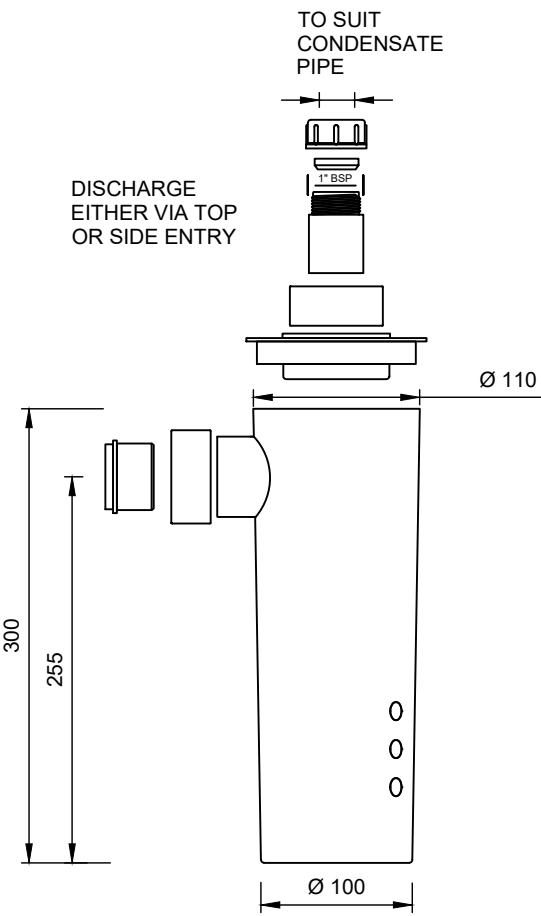
**RODDING POINT  
INSTALLATION DETAIL**  
1:20



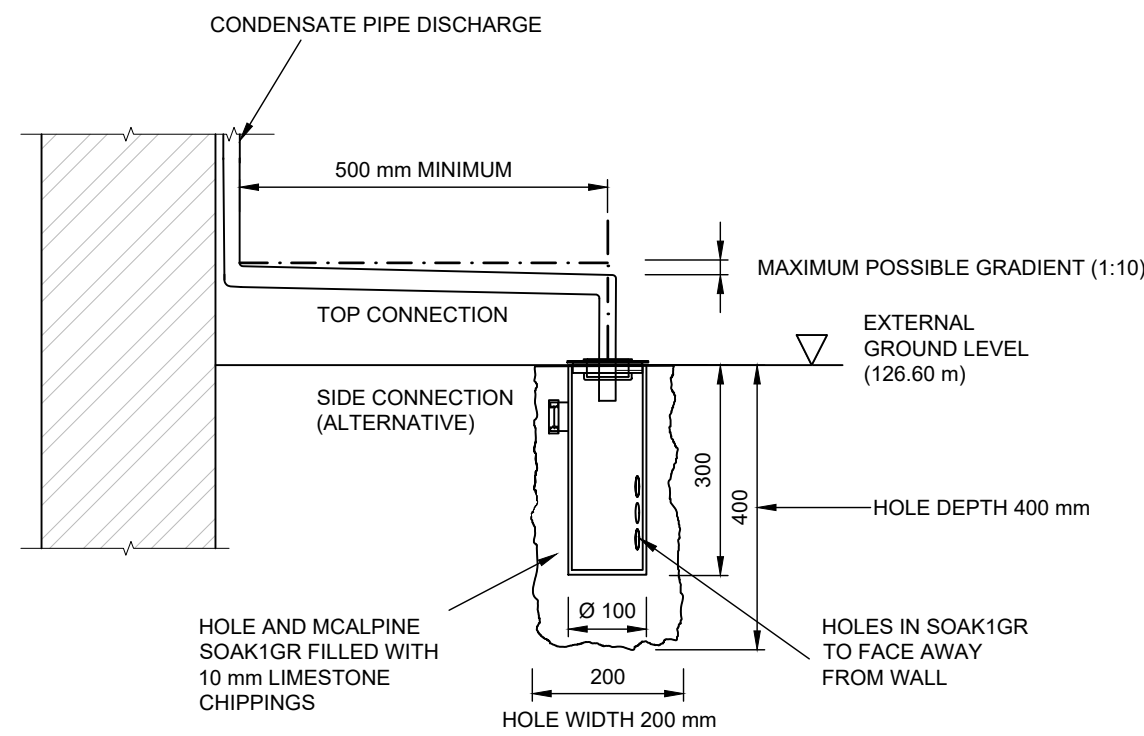
**EXTERNAL RAINWATER  
PIPE CONNECTION DETAIL  
WITH EXISTING GULLY**  
1:20



**MANHOLE TYPE A (250mm Ø, MAX DEPTH 600 mm)  
OR TYPE B (450mm Ø, MAX DEPTH 1.0 m)  
OR TYPE C (600mm Ø, MAX DEPTH 1.5 m)  
POLYPROPYLENE INSPECTION CHAMBER**  
1:20



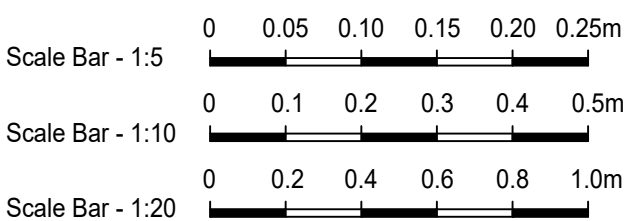
**MCALPINE SOAK1GR  
SOAKAWAY FOR CONDENSING BOILERS  
DETAIL**  
1:5



**MCALPINE SOAK1GR INSTALLATION DETAIL  
(OPTION 2)**  
1:10

#### NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND M&E DRAWINGS TOGETHER WITH THE SPECIFICATION.
- ALL DIMENSIONS AND LEVELS TO BE CONFIRMED ON SITE. POSITIONS OF ALL MANHOLES AND INSPECTION CHAMBERS TO BE CONFIRMED ON SITE.
- DRAINAGE OBSERVATIONS BASED ON CCTV SURVEY BY HAPPY DRAINS DATED FEBRUARY 2024 (REF: C1010599/001); AND CCTV SURVEY BY SOLUM SURVEYING LTD DATED JULY 2025 (REF: 14673)
- SEVERAL DRAINAGE PIPES SUFFER FROM SETTLED DEPOSITS THEREFORE HIGH PRESSURE JETTING IS RECOMMENDED FOLLOWING RECOMMENDED REPAIRS.
- FOR SCOPE OF RECOMMENDED REPAIRS REFER TO HAVELOCK FARM EXISTING DRAINAGE (SURFACE WATER) REMEDIAL LIST BY SFK CONSULTING ON SFK DRAWING 24079.9002; AND REMEDIAL LIST BY SOLUM SURVEYING LTD ON SFK DRAWING 24079.9003.
- THERE ARE SEPARATE SURFACE AND FOUL WATER PIPED NETWORKS. THE SURFACE WATER NETWORK IS SHOWN TO DISCHARGE INTO THE ON-SITE POND. HOWEVER, THIS HAS NOT BEEN VERIFIED (NOT SURVEYED).
- ALL PIPES TO BE 100 mm Ø PVC UNLESS NOTED OTHERWISE.
- EXISTING SW AND MANHOLE INVERT LEVELS NOT AVAILABLE - TBC. LEVELS SHOWN ARE MINIMUM TO BE ACHIEVED FOR GRAVITY FLOW.
- ALL RWP's TO HAVE ACCESS PLATES TO ALLOW FOR RODDING.



|     |       |      |      |          |                                                                     |
|-----|-------|------|------|----------|---------------------------------------------------------------------|
| rev | drawn | chkd | appd | date     | description                                                         |
| T2  | ML    | ML   | SD   | 09.09.25 | RIBA STAGE 4 ISSUE. ISSUED FOR TENDER. EXISTING GULLY DETAIL ADDED. |
| T1  | ML    | SD   | SD   | 09.09.25 | RIBA STAGE 4 ISSUE. ISSUED FOR TENDER                               |

#### ARCHITECT:

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Tel: 020 8948 7788

#### DRAWING TITLE:

**PROPOSED  
DRAINAGE DETAILS**

**SFK**consulting

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Eastleigh SO53 2DR  
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#### SCALE:

AS NOTED @ A1

#### SFK REF:

24079 - C - 9021

24079-SFK-09-ZZ-DR-C-9021

T2