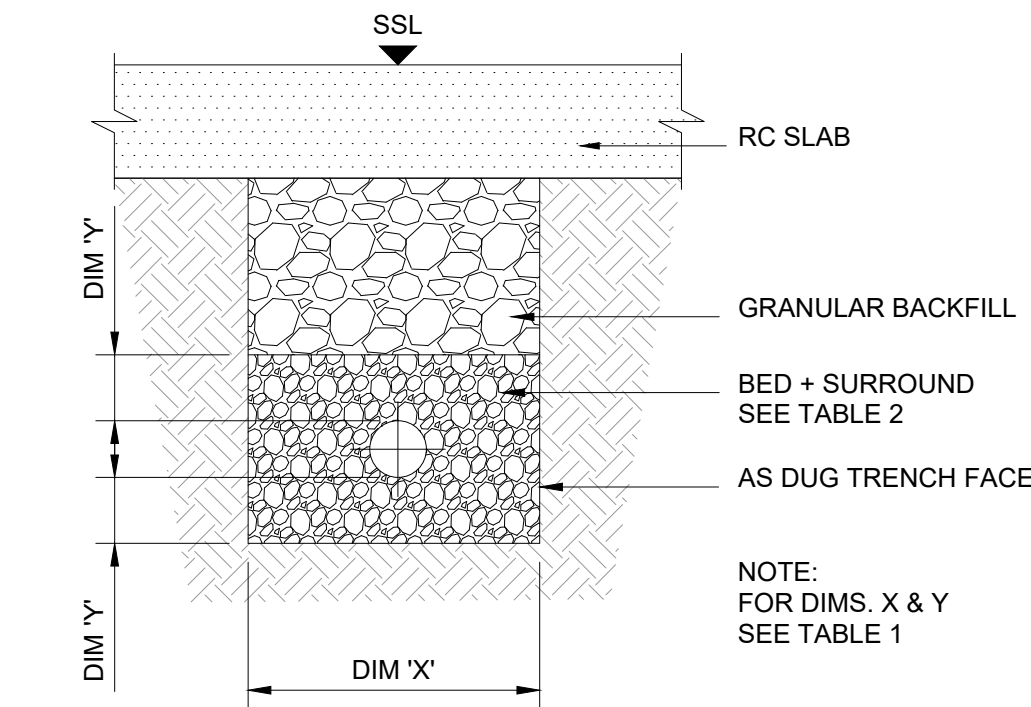
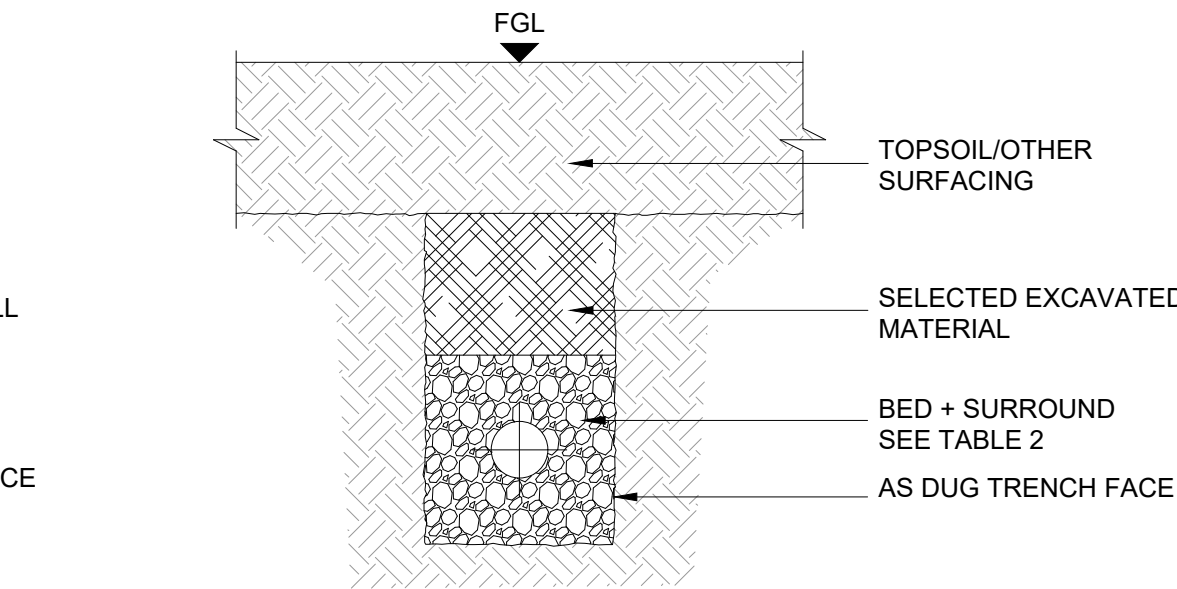
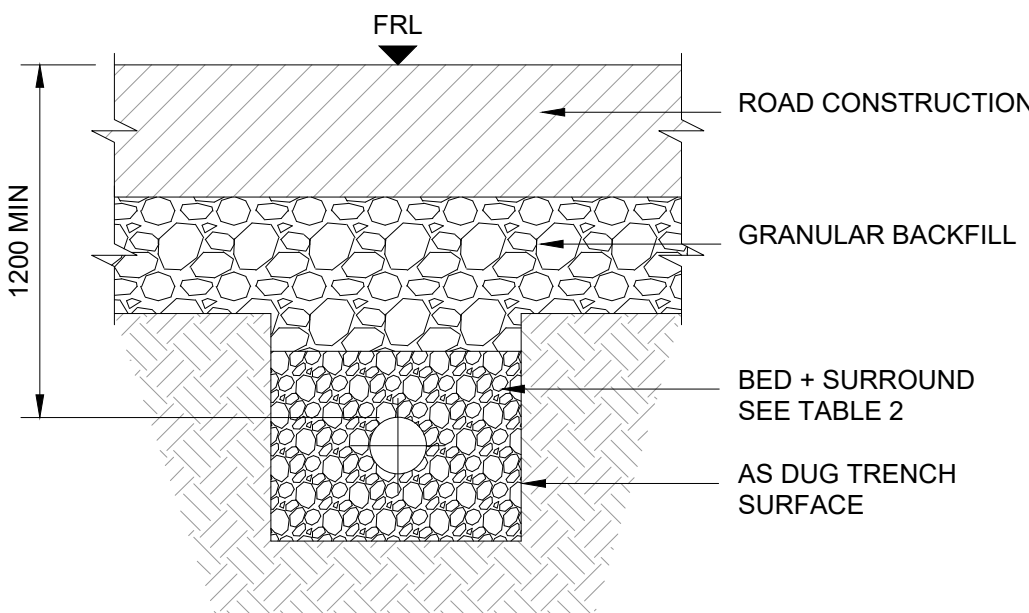




DRAINAGE UNDER BUILDINGS



DRAINAGE UNDER NON-TRAFFICKED AREAS



UNDER TRAFFICKED AREAS

NOTE:
WHERE DEPTH TO SOFFIT IS LESS THAN
1200mm 150 THICK GRADE C20 CONCRETE
PROTECTION IS REQUIRED

LEGEND

RWO RAINWATER OUTLET
RWP RAINWATER PIPE
SVP SOIL VENT PIPE
WVP WASTE VENT PIPE
WP WASTE PIPE
VP VENT PIPE
ASP ANTI SIPHON PIPE
AAV AUTOMATIC AIR ADMITTANCE VALVE

A/C ACCESS CAP OR DOOR
R/E RODDING EYE

FA FROM ABOVE
TB TO BELOW
DTB DROP TO BELOW
DTD DROP TO DRAIN
LL LOW LEVEL
HL HIGH LEVEL

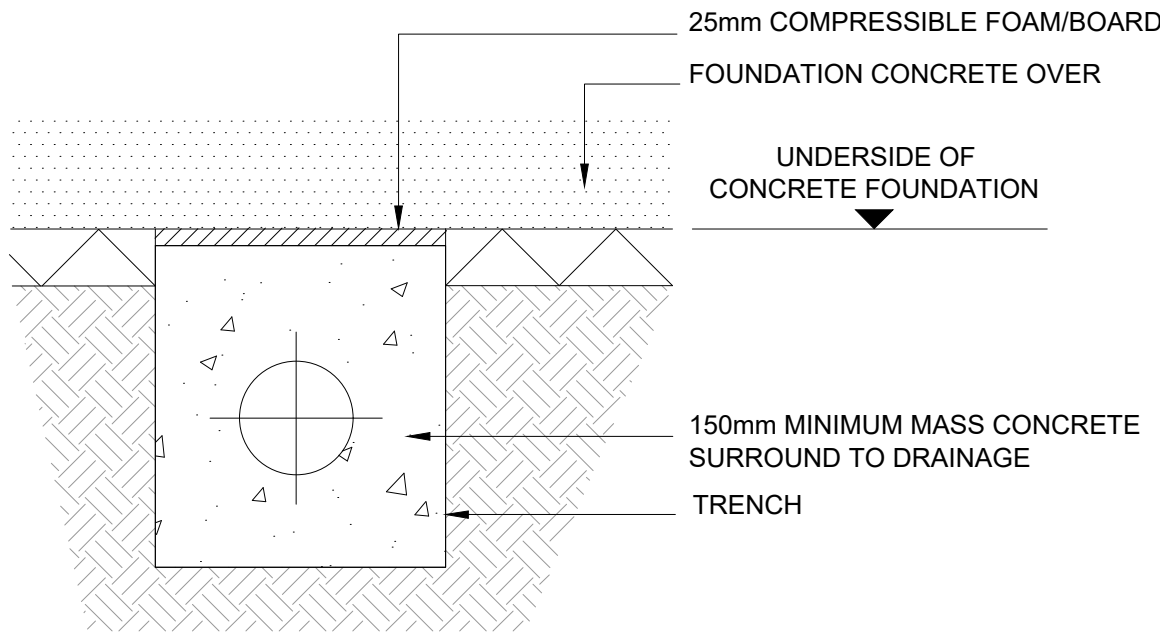
CS CLEANERS SINK
DW DISH WASHER
KS KITCHEN SINK
SH SHOWER
UR URINAL
WC WATER CLOSET
WHB WASH HAND BASIN
WM WASHING MACHINE

BIG BACK INLET GULLY
G GULLY
FMH FOUL MANHOLE
SWMH SURFACE WATER MANHOLE

FFL FINISHED FLOOR LEVEL
FGL FINISHED GROUND LEVEL
FRL FINISHED ROAD LEVEL
SSL STRUCTURAL SLAB LEVEL
CL COVER LEVEL
IL INVERT LEVEL

DI DUCTILE IRON
VC VITRIFIED CLAYWARE

FOUL DRAIN
SURFACE WATER DRAIN
WATERPROOFING DRAINAGE
PIPEWORK AT HIGH LEVEL



DRAINAGE UNDER CONCRETE FOUNDATIONS

TABLE 1

PIPE DIA.	DIM 'X'		DIM 'Y'
	MAX	MIN	
100	525	450	200
150	600	490	200
225	700	580	200
300	750	680	200
375	1050	950	200
450	1150	1030	200

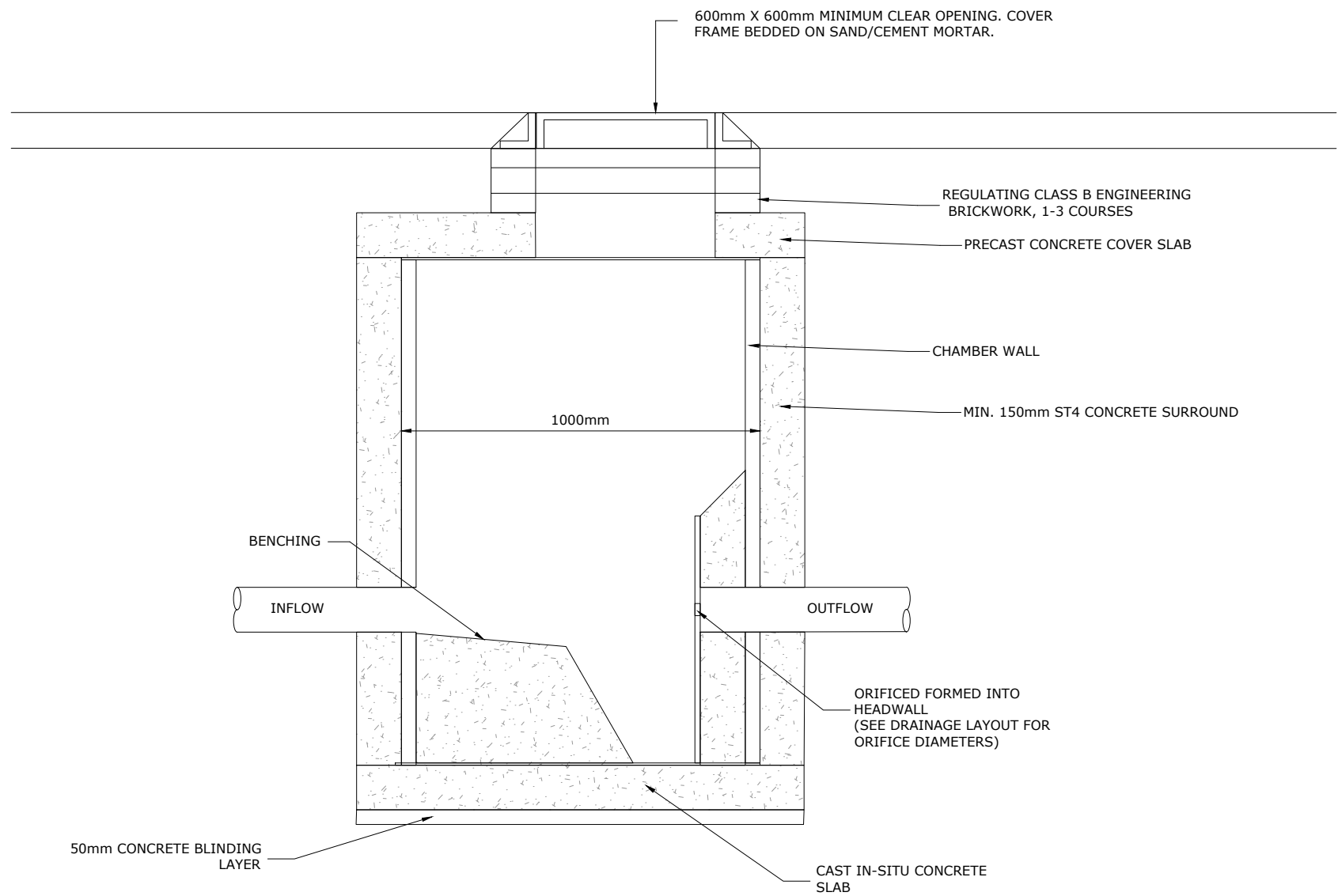
TABLE 2

PIPE DIA.	AGGREGATE	
	GRADED	SINGLE SIZE
100	-	10
150	14-5	10 OR 14
225 & 300	14-5 OR 20-5	10,14 OR 20
375 - 525	14-5 OR 20-5	14 OR 20

NOTE!
MASS CONCRETE IS TO BE USED IN LIEU OF GRANULAR MATERIAL WHERE
COVER TO PIPES IS BELOW 600mm (1200mm UNDER TRAFFICKED AREAS)
OR CLEARANCE BETWEEN PIPES IS LESS THAN 300mm AND MAY BE USED
ELSEWHERE IF REQUIRED.

PIPE BEDDING DETAILS FOR GRAVITY DRAINS

SCALE 1:10



FLOW CONTROL CHAMBER

SCALE 1:20

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C0	For construction	EC	SMB	07/02/25
P0	First issue	EC	SMB	13/03/24
Rev	Description	Author	Checked	Date

- CLIENT
Mile Property Group

- PROJECT
Custom House, The Terrace, Gravesend

SCALE	PROJ REF	ORIGINATOR	CHECKED BY
-	2813	EC	SMB

- HC DWG REF
2813_DWG_Details_r5

DWG TITLE	DWG No.
SURFACE WATER STANDARD DETAILS	HC-2813-502