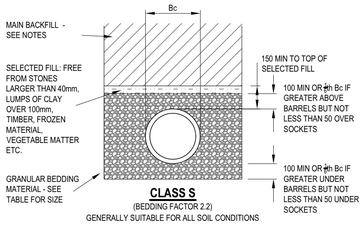
MAIN BACKFILL TO BE.....

HARDSTANDING AREAS: DETR TYPE 1 GRANULAR MATERIAL

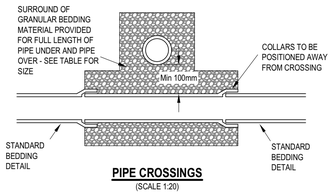
SOFT LANDSCAPE AREAS: SELECTED BACKFILL MATERIAL UP TO UNDERSIDE OF TOP-SOIL

PIPE SIZE (mm)	GRANULAR MATERIAL IN ACCORDANCE WITH BS EN 1610 ANNEX B TABLE B.15 - SINGLE SIZED OR GRADED 5mm UP TO MAXIMUM SIZE OF DIAMETER:
100	10
150	14
>150<600	20
> 600	40

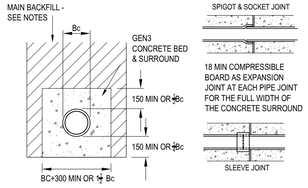
SIZES FOR GRANULAR PIPE BEDDING MATERIAL



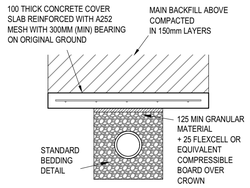
CLASS S
(BEDDING FACTOR 2.2)
GENERALLY SUITABLE FOR ALL SOIL CONDITIONS



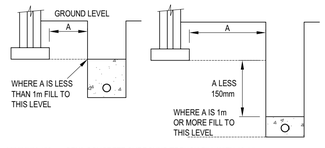
PIPE CROSSINGS
(SCALE 1:20)



CLASS Z
CONCRETE BEDDING & SURROUND
(BEDDING FACTOR 4.5)
GENERALLY SUITABLE FOR ALL SOIL CONDITIONS

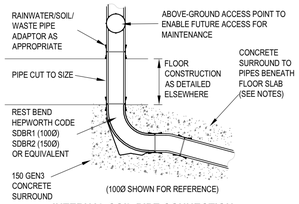


CONCRETE SLAB PROTECTION
GENERALLY SUITABLE FOR ALL SOIL CONDITIONS



MINIMUM 150mm GEN3 CONCRETE SURROUND/TRENCH FILL WITH 13 th'k COMPRESSIBLE BOARD MOVEMENT JOINTS PROVIDED AT EACH SOCKET/SLEEVE JOINT FACE OR AT NOT MORE THAN 5m INTERVALS

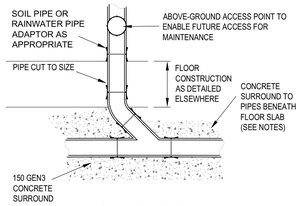
PIPE RUNS NEAR BUILDINGS
BASED ON BUILDING REGULATIONS H1 DIAGRAMS 8 & 12
(NOT TO SCALE)



(100Ø SHOWN FOR REFERENCE)

INTERNAL SOIL PIPE CONNECTION
(PIPE RUN BENEATH GROUND FLOOR SLAB)
(SCALE 1:20)

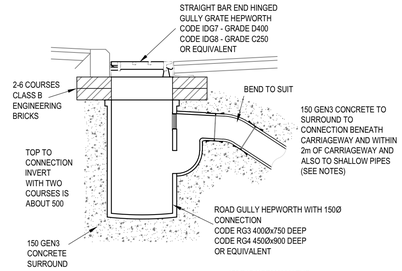
INTERNAL RWP CONNECTION - SIMILAR



(100Ø SHOWN FOR REFERENCE)

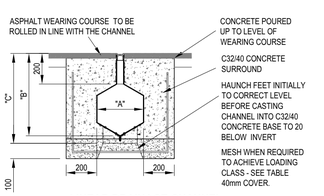
INTERNAL IN-LINE SOIL PIPE CONNECTION
(PIPE RUN BENEATH GROUND FLOOR)
(SCALE 1:20)

EXTERNAL PIPE CONNECTIONS SIMILAR



ROAD GULLY
ADOPTABLE STANDARD
(SCALE 1:20)

450Ø IS NORMALLY THE MINIMUM BUT 375Ø MAY BE USED WITH LA ENGINEER'S APPROVAL (LCC STANDARDS)



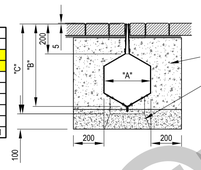
LINEAR DRAINAGE CHANNEL
GATIC CASTSLOT TREADSAFE INSTALLED WITH ASPHALT SURROUND
(SCALE 1:20)

REFERENCE	DIMENSION			LOADING CLASS					
	"A"	"B"	"C"	A15	B125	C250	D400	E600	F900
CASTSLOT 100	100	308	357	/	/	/	/	/	B785
CASTSLOT 150	150	366	415	/	/	/	/	/	B785
CASTSLOT 225	225	452	501	/	/	/	/	/	B785
CASTSLOT 300	300	538	587	/	/	/	/	/	B785
CASTSLOT 350	350	596	645	/	/	/	/	/	B785
CASTSLOT 400	400	652	712	/	/	/	/	B785	B1131
CASTSLOT 500	500	768	828	/	/	/	/	B785	B1131
CASTSLOT 600	600	1031	1091	/	/	/	B785	B1131	2xB785

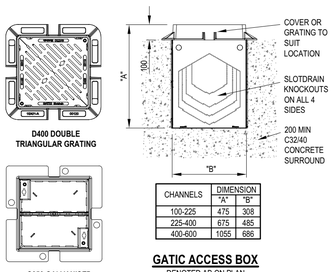
SHADING DENOTES CASTSLOT REFERENCES BEING USED ON THIS PROJECT
DIMENSIONS & MESH REQUIRED TO ACHIEVE LOADING CLASS - 40mm COVER
MINIMUM LAP LENGTH OF 50xBAR DIAMETER
2xB785 TO BE NESTED TOGETHER

REFERENCE	DIMENSION		
	"A"	"B"	"C"
PAVESLOT 100	100	308	357
PAVESLOT 150	150	366	415
PAVESLOT 225	225	452	501
PAVESLOT 300	300	538	587
PAVESLOT 350	350	596	645
PAVESLOT 400	400	652	712
PAVESLOT 500	500	768	828
PAVESLOT 600	600	1031	1091

SHADING DENOTES CASTSLOT REFERENCES BEING USED ON THIS PROJECT



LINEAR DRAINAGE CHANNEL
GATIC PAVESLOT INSTALLED WITH PAVING SURROUND
(SCALE 1:20)

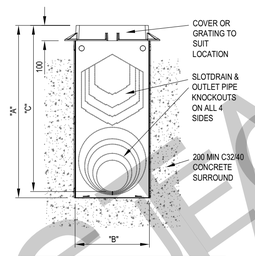


D400 DOUBLE TRIANGULAR GRATING

C250 GALVANISED RECESSED COVER

CHANNELS	DIMENSION	
	"A"	"B"
100-225	475	308
225-400	675	485
400-600	1055	686

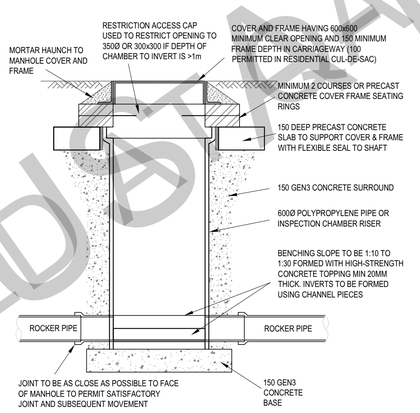
GATIC ACCESS BOX
DENOTED AB ON PLAN
(SCALE 1:20)



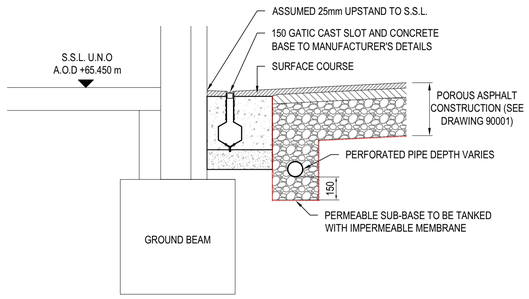
CHANNELS	DIMENSION			PIPE OUTLET SIZES
	"A"	"B"	"C"	
100-225	740	308	700*	115/165/205/255
225-400	1125	485	1085*	205/255/320/360/440
400-600	1495	686	1470*	320/360/440

* DEPTH "C" TO SMALLEST KNOCKOUT - INVERTS INCREASE BY 5mm FOR EACH PIPE SIZE

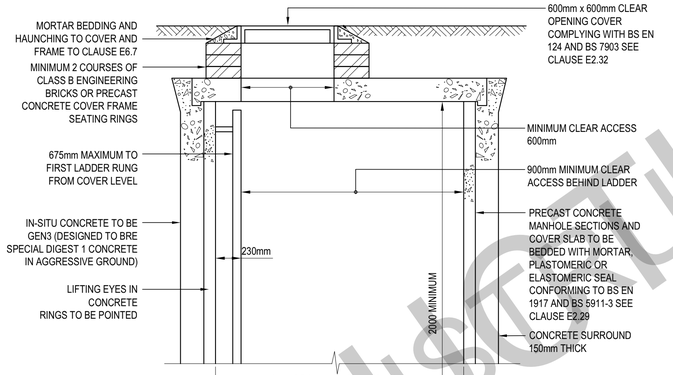
GATIC OUTLET BOX
DENOTED OB ON PLAN
(SCALE 1:20)



600Ø POLYPROPYLENE INSPECTION CHAMBER
(SCALE 1:20)

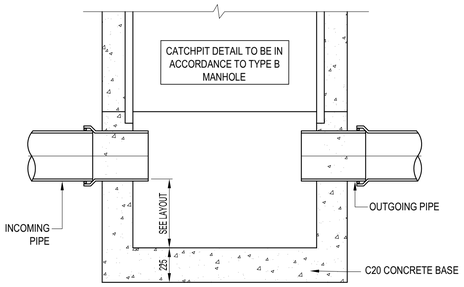


SECTION 1-1 THROUGH POROUS PAVING AREA
SEE DRAWING 92002 FOR LAYOUT
(SCALE 1:20)



NOTE:
OPENING TO BE LOCATED CENTRALLY OVER 900mm SHAFT AND OFFSET APPROXIMATELY 200mm FOR 1200mm DIAMETER SHAFT WITH LADDER

FIGURE B.10
TYPICAL MANHOLE DETAIL - TYPE 1B
Depth from cover level to soffit of pipe 3 m to 6 m
(SCALE 1:20)



SILT TRAP MANHOLE DETAIL
(SCALE 1:20)

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

REFERENCE DRAWINGS:

DRAINAGE LAYOUT
CURTINS 'PROPOSED DRAINAGE LAYOUT' DRG No. GCH-CUR-XX-XX-DR-C-92002

Rev:	Description:	Date:	By:	Chkd:
C03	ADDED SECTION FOR PERMEABLE PAVING.	16/09/2021	AMB	PT
C02	ADDED SILT TRAP DETAIL.	23/08/2021	AMB	PT
C01	CONSTRUCTION ISSUE.	15/07/2021	AMB	CS

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Status: APPROVED AND ACCEPTED - STAGE 5 — A5

Client: MORGAN SINDALL

Project: MCC GORTON COMMUNITY HUB

Drg Title: DRAINAGE DETAILS SHEET 2

Project No:	Size:	Date:	Drawn By:	Designed By:	Checked By:
062407	A1 Scale: 1:200	AUGUST 2019	SBB	SBB	CS

Project Code: GCH - Originator: CUR - Zone: XX - Level: XX - Type: DR - Discipline: C - Category / Number: 92004 - Rev: -C03

\\defs02\Projects\BS62407 Gorton Community Hub\04-Production\4A-Models-Drawings\C\CAD\

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DO NOT BUILD FROM