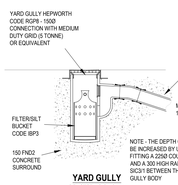
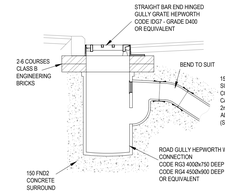


YARD GULLY
DENOTED YG ON PLAN
(SCALE 1:20)



ROAD GULLY
ADOPTABLE STANDARD
(SCALE 1:20)

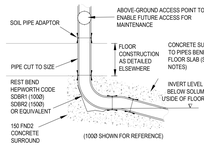
PIPE SIZE (mm)	GRANULAR MATERIAL IN ACCORDANCE WITH BS EN 1610 ANNEX B TABLE B.15 - SINGLE SIZED OR GRADED 5mm UP TO MAXIMUM SIZE OF DIAMETER:
100	10
150	14
>150<600	20
> 600	40

MAIN BACKFILL TO BE.....

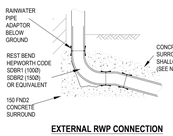
HARDSTANDING AREAS: DETR TYPE 1 GRANULAR MATERIAL

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

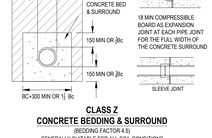
SIZES FOR GRANULAR PIPE BEDDING MATERIAL



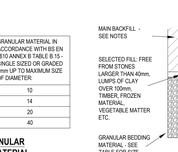
INTERNAL SOIL PIPE CONNECTION
DENOTED SP ON PLAN
(PIPE RUN BENEATH FLOOR SLAB)
(SCALE 1:20)



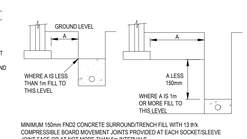
EXTERNAL RWP CONNECTION
(SCALE 1:20)



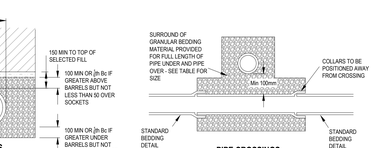
CLASS Z
CONCRETE BEDDING & SURROUND
(BEDDING FACTOR 4.5)
GENERALLY SUITABLE FOR ALL SOIL CONDITIONS



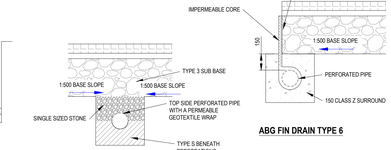
CLASS S
(BEDDING FACTOR 2.2)
GENERALLY SUITABLE FOR ALL SOIL CONDITIONS



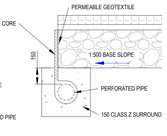
PIPE RUNS NEAR BUILDINGS
BASED ON BUILDING REGULATIONS H7 DIAGRAMS 8 & 12
(NOT TO SCALE)



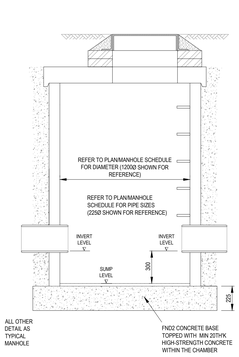
PIPE CROSSINGS
(SCALE 1:20)



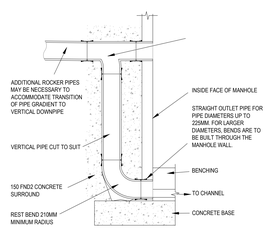
PERFORATED PIPE BENEATH SUB BASE



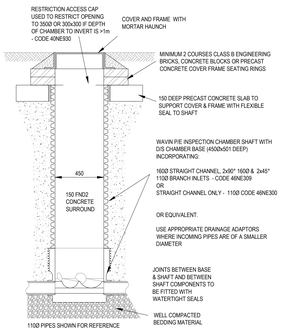
ABG FIN DRAIN TYPE 6



SILT TRAP MANHOLE (ST)
(SCALE 1:20)

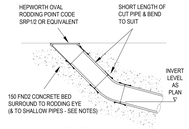


TYPICAL VERTICAL BACKDROP (150Ø)
INVERT OF TUMBLING BAY NOT MORE THAN 1.5m ABOVE BENCHING
(SCALE 1:20)

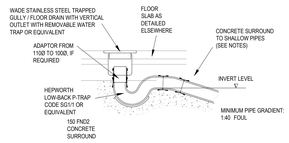


PIPE JOINTS TO BE AS CLOSE AS POSSIBLE TO FACE OF CHAMBER TO PERMIT SATISFACTORY JOINT AND SUBSEQUENT MOVEMENT

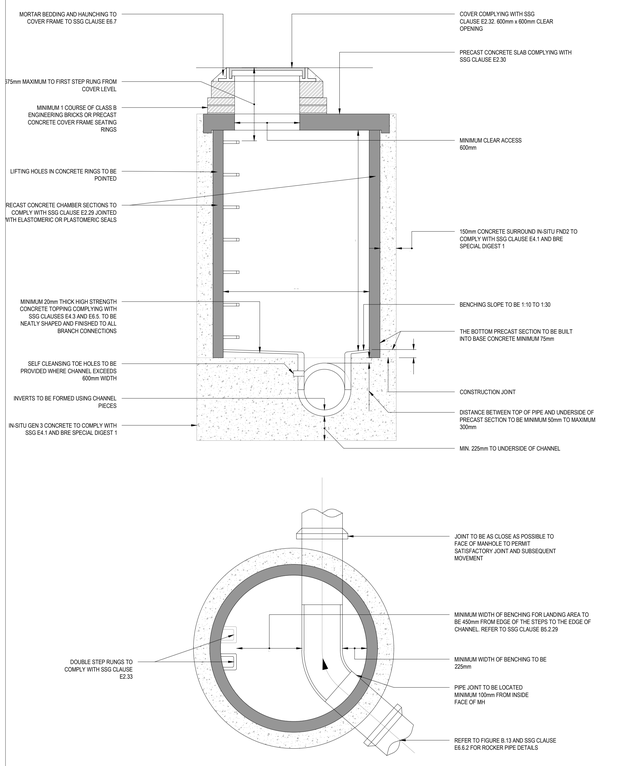
450Ø PPIC
MAX DEPTH FROM COVER TO SOFFIT OF PIPE 3.0M
(SCALE 1:20)



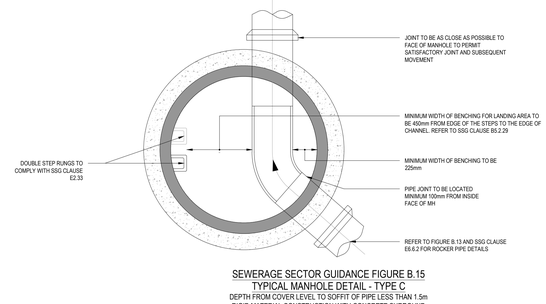
RODDING EYE
(DENOTED RE ON PLAN)
(SCALE 1:20)



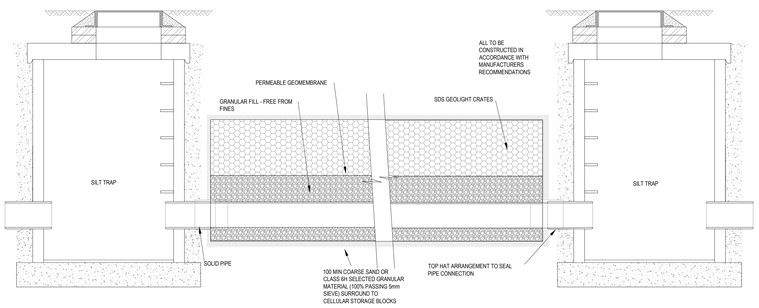
INTERNAL ACCESS FLOOR GULLY
FOR RESTRICTED DEPTH TO INVERT
(SCALE 1:20)



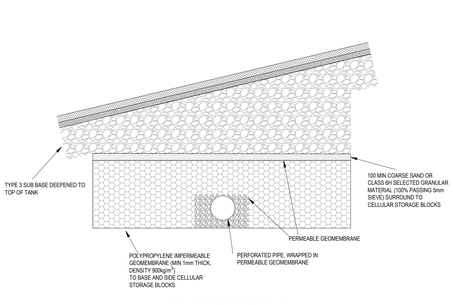
SEWERAGE SECTOR GUIDANCE FIGURE B.10
TYPICAL MANHOLE DETAIL - TYPE B
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 1.5m TO 3m WITH STEPS
RIGID MATERIAL CONSTRUCTION WITH CONCRETE SURROUND



SEWERAGE SECTOR GUIDANCE FIGURE B.15
TYPICAL MANHOLE DETAIL - TYPE C
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE LESS THAN 1.5m
RIGID MATERIAL CONSTRUCTION WITH CONCRETE SURROUND

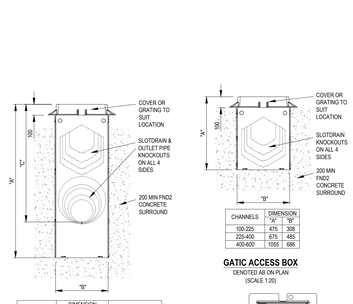


LONGSECTION THROUGH TANK



CROSS SECTION THROUGH TANK

TYPICAL ATTENUATION TANK DETAIL



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

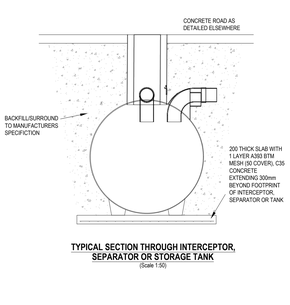
REFERENCE	DIMENSION "A"	DIMENSION "B"	DIMENSION "C"	LOADING CLASS A15	B125	C250	D400	E600	F900
CASTSLOT 100	100	306	357	/	/	/	/	/	B785
CASTSLOT 150	150	366	415	/	/	/	/	/	B785
CASTSLOT 225	225	452	501	/	/	/	/	/	B785
CASTSLOT 300	300	538	587	/	/	/	/	/	B785
CASTSLOT 350	350	596	645	/	/	/	/	/	B785
CASTSLOT 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

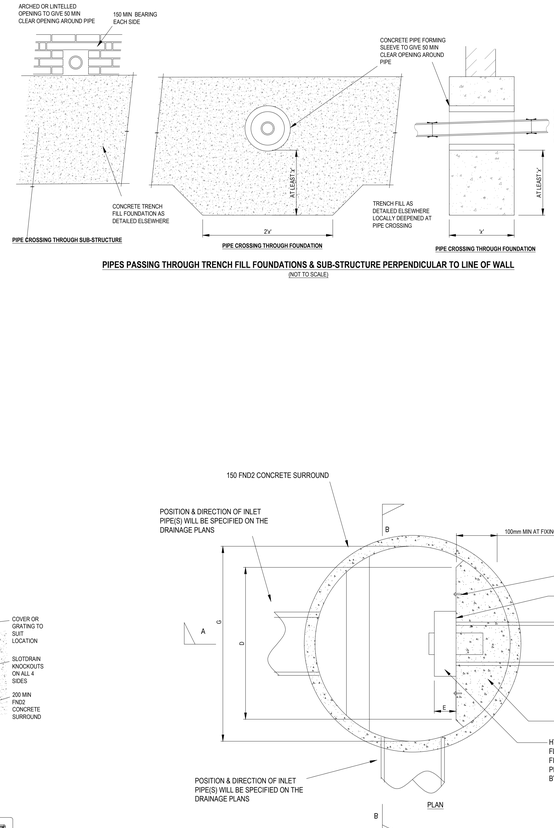
* DEPTH "C" TO SMALLEST KNOCKOUT - INVERTS INCREASE BY 5mm FOR EACH PIPE SIZE

GATIC SILT BOX
DENOTED SB ON PLAN
(SCALE 1:20)

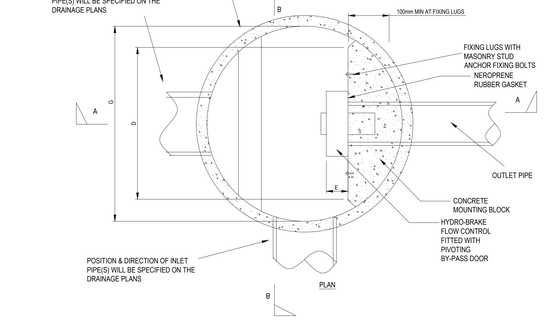
GATIC ACCESS BOX
DENOTED AB ON PLAN
(SCALE 1:20)

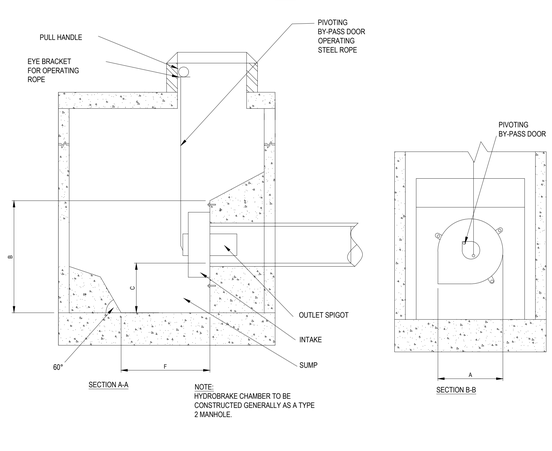


TYPICAL SECTION THROUGH INTERCEPTOR, SEPARATOR OR STORAGE TANK
(Scale 1:50)



PIPES PASSING THROUGH TRENCH FILL FOUNDATIONS & SUB-STRUCTURE PERPENDICULAR TO LINE OF WALL
(NOT TO SCALE)





TYPICAL HYDROBRAKE CHAMBER

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 MILLIMETRES UNLESS NOTED OTHERWISE.

Rev:	Description:	Date:	By:	Chkd:
P02	INTERCEPTOR DETAIL ADDED	18/06/21	DM	PT
P01	FIRST ISSUE	28/05/21	DM	PT

Curtins
Units 24 & 25 Riverside Place, K Village, Lound Road, Kendal, LA9 7FH
01539 724823
kendal@curtins.com
www.curtins.com
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Status: ISSUED FOR INFORMATION — S2

Client: GRAHAM

Project: PROCURE 22 — WEST CUMBERLAND HOSPITAL PHASE 2 DEVELOPMENT

Drg Title: DRAINAGE DETAILS

Project No:	Size:	Date:	Drawn By:	Designed By:	Checked By:
072419	A0	MAY 21	DM	DM	PT
	Scale: AS SHOWN				

Project Code: WCHPH2 | Originator: CUR | Zone: - | Level: VV | Type: XX | Discipline: DR | Category / Number: C - 92010 | Rev: - P02

WCHPH2-CUR-VV-XX-DR-C-92010-P02 Drainage Details.dwg