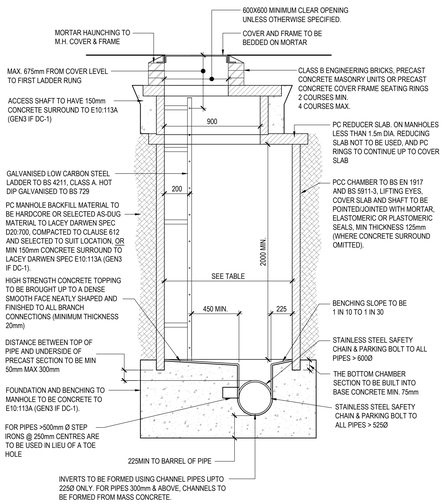
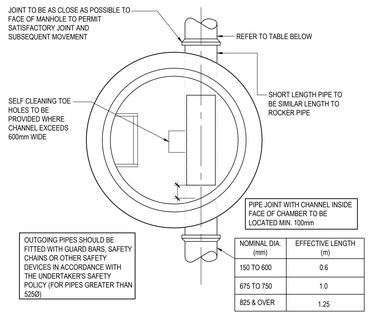
DO NOT SCALE



TYPICAL MANHOLE SECTION DETAIL TYPE A1 (TYPE 4) DEPTH TO SOFFIT OF PIPE 3-6m

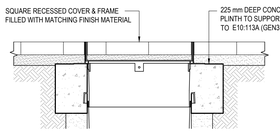
[SCALE 1:20]



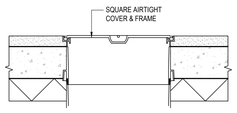
NOMINAL DIA (mm)	EFFECTIVE LENGTH (m)
150 TO 600	0.6
675 TO 750	1.0
825 & OVER	1.25

TYPICAL MANHOLE PLAN DETAIL TYPE A1 (TYPE 4) DEPTH TO SOFFIT OF PIPE 3-6m

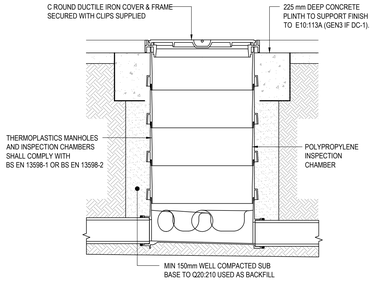
[SCALE 1:20]



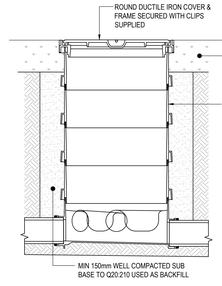
SITED IN DRIVEWAYS / HARD LANDSCAPED AREAS WITH RECESSED COVER



SITED IN CONCRETE FLOOR SLAB



SITED IN DRIVEWAYS / HARD LANDSCAPED AREAS WITH STANDARD ROUND COVER

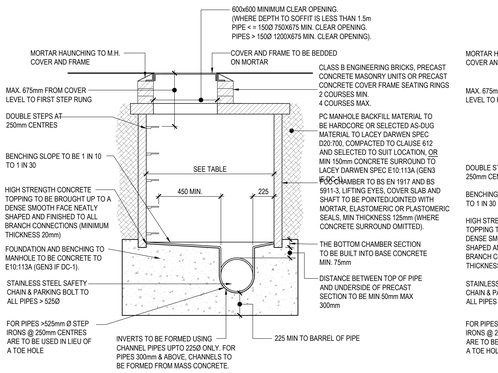


SITED IN SOFT LANDSCAPED AREAS WITH STANDARD ROUND COVER

POLYPROPYLENE INSPECTION CHAMBER INSTALLATION DETAIL (475Ø UPTO 1.2m DEEP)

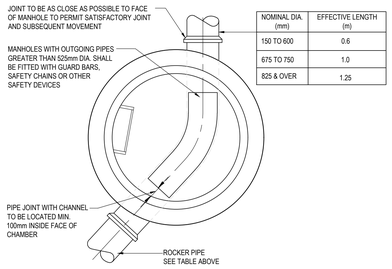
(HEPWORTH PRODUCTS)

NTS



TYPICAL MANHOLE SECTION DETAIL TYPE B (TYPE 3) DEPTH TO SOFFIT OF PIPE 1.5-3m

[SCALE 1:20]

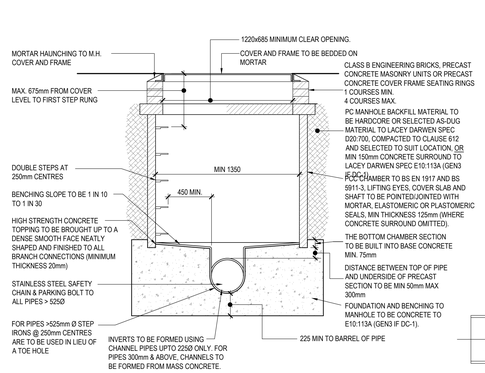


NOMINAL DIA (mm)	EFFECTIVE LENGTH (m)
150 TO 600	0.6
675 TO 750	1.0
825 & OVER	1.25

TYPICAL MANHOLE PLAN DETAIL TYPE B (TYPE 3) DEPTH TO SOFFIT OF PIPE 1.5-3m

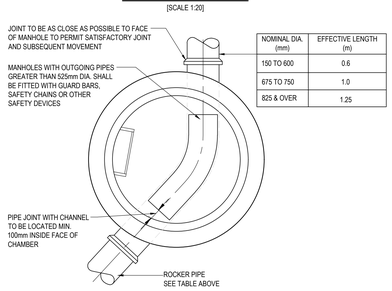
[SCALE 1:20]

DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	MIN. MANHOLE INTERNAL DIAMETER (mm)
< 375mm (WHERE > 1.5m DEEP TO SOFFIT)	1200
375mm - 450mm (OR WHERE < 1.5m DEEP TO SOFFIT)	1350
500mm - 700mm	1500
750mm - 900mm	1800
> 900mm	PIPE DIA + 900



TYPICAL MANHOLE SECTION DETAIL TYPE C (TYPE 2) DEPTH TO SOFFIT OF PIPE LESS THAN 1.5m, MAX PIPE DIA 450mm

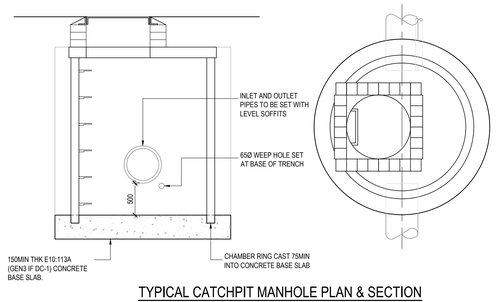
[SCALE 1:20]



NOMINAL DIA (mm)	EFFECTIVE LENGTH (m)
150 TO 600	0.6
675 TO 750	1.0
825 & OVER	1.25

TYPICAL MANHOLE PLAN DETAIL TYPE C (TYPE 2) DEPTH TO SOFFIT OF PIPE LESS THAN 1.5m, MAX PIPE DIA 450mm

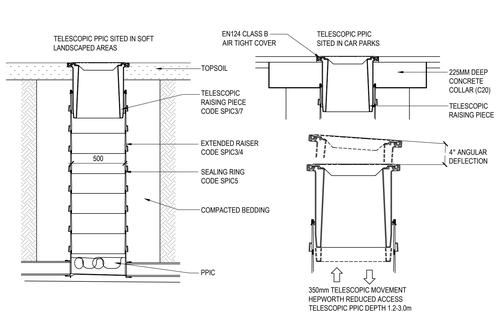
[SCALE 1:20]



TYPICAL CATCHPIT MANHOLE PLAN & SECTION

(BACKFILL, SHAFT, ACCESS, COVER SLAB AND COVER & FRAME AS PER PCC MANHOLES)

[SCALE 1:20]



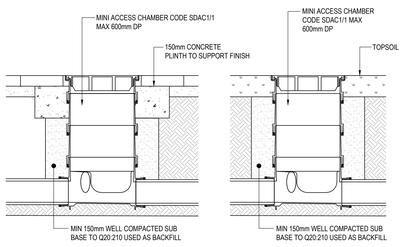
HEPWORTH REDUCED ACCESS TELESCOPIC PPIC (475Ø UPTO 3.0m DEEP)

(HEPWORTH PRODUCTS

[SCALE 1:20]

SITED IN DRIVEWAYS/ PAVED AREAS

SITED IN LANDSCAPED AREAS

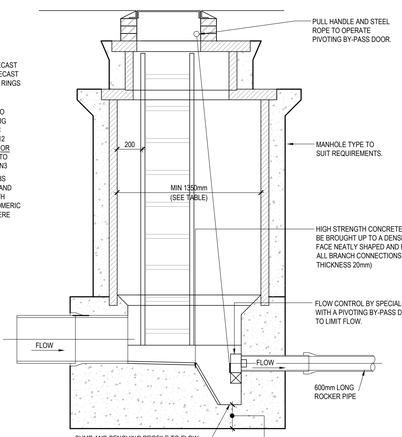


MINI ACCESS CHAMBER INSTALLATION DETAIL

(300Ø MAX. DEPTH 600mm)

(HEPWORTH PRODUCTS)

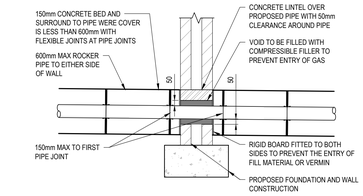
[SCALE 1:20]



FLOW CONTROL CHAMBER

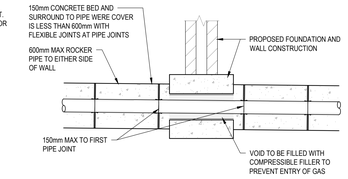
(BACKFILL, SHAFT, ACCESS, COVER SLAB AND COVER & FRAME AS PER PCC MANHOLES)

[SCALE 1:20]



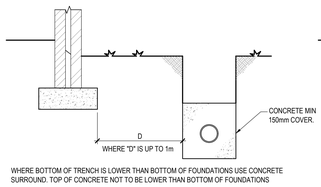
PIPE THROUGH FOUNDATION WALL TYPICAL DETAIL

SCALE 1:20

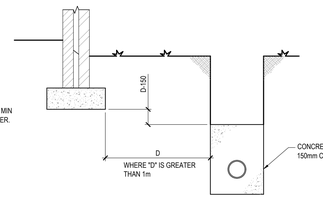


PIPE THROUGH FOUNDATION TYPICAL DETAIL

SCALE 1:20



WHERE BOTTOM OF TRENCH IS LOWER THAN BOTTOM OF FOUNDATIONS USE CONCRETE SURROUND. TOP OF CONCRETE NOT TO BE LOWER THAN BOTTOM OF FOUNDATIONS

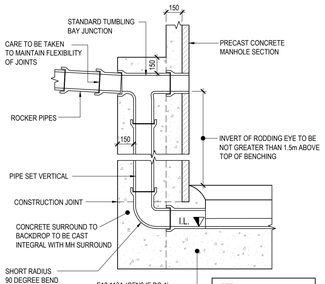


WHERE BOTTOM OF TRENCH IS LOWER THAN A CRITICAL LEVEL USE CONCRETE SURROUND. TOP OF CONCRETE TO BE AS SHOWN

PIPES NEAR FOUNDATIONS

[SCALE 1:20]

NOTE:
ADDITIONAL ROCKER PIPES MAY BE NECESSARY TO ACCOMMODATE TRANSITION OF PIPE GRADIENT TO VERTICAL DOWNPIPE

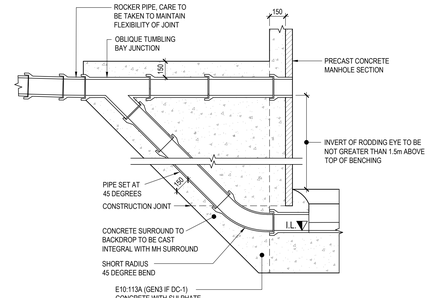


NOTE:
WHERE THE DROP IS NOT EXCESSIVE A 45° DROP PIPE MAY BE USED

TYPICAL VERTICAL EXTERNAL BACKDROP DETAIL

[SCALE 1:20]

NOTE:
ADDITIONAL ROCKER PIPES MAY BE NECESSARY TO ACCOMMODATE TRANSITION OF PIPE GRADIENT TO VERTICAL DOWNPIPE



TYPICAL VERTICAL EXTERNAL BACKDROP DETAIL

[SCALE 1:20]

NOTES

GENERAL NOTES

DO NOT SCALE FROM THIS DRAWING WORK TO FIGURED DIMENSIONS ONLY.

NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS ALLOWED WITHOUT PRIOR PERMISSION IN WRITING.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.

THE CONTRACTOR SHALL INCORPORATE ALL THE REQUIREMENTS OF THE PRE-TENDER STAGE HEALTH AND SAFETY PLAN.

PRELIMINARY

Rev.	Amendment	Date	By	Chkd
P01	PRELIMINARY ISSUE.	25.04.25	DB	DB

Project
PHOENIX HOUSE,
STOCKPIT ROAD, LIVERPOOL

ARCH/CLIENT
MULBERRY WASTE LTD

Title
TYPICAL DRAINAGE DETAILS
SHEET 1

Job No.	Drawn	Checked	Date	Scale
1074	DB	DB	MARCH 2025	AS NOTED @ A0

OPEN ROAD ENGINEERING LTD
27A Well Lane
Weaverham
Northwich
Cheshire CW8 3PE
Tel: 07968 525 670
e-mail Dan.Baker@live.com

Drawing No.

Project	Originator	Volume	Level	Type	Role	Number	Rev
1074	- ORE -	ZZ -	XX -	DR -	C -	1002	P01