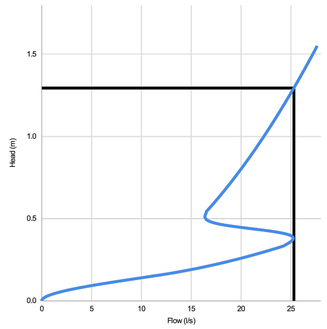
Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	1.295	25.300
Flush-Flo	0.380	25.246
Kick-Flo®	0.514	16.378
Mean Flow		18.824

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE No 085/4568S

wrc approved
PT/593/0422

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Head (m)	Flow (l/s)
0.000	0.000
0.045	1.289
0.089	4.683
0.134	9.320
0.179	13.978
0.223	17.571
0.268	20.545
0.313	23.140
0.357	24.919
0.402	24.794
0.447	20.024
0.491	16.597
0.536	16.516
0.581	17.065
0.625	17.696
0.670	18.305
0.714	18.894
0.759	19.464
0.804	20.017
0.848	20.555
0.893	21.079
0.938	21.589
0.982	22.087
1.027	22.574
1.072	23.050
1.116	23.517
1.161	23.974
1.206	24.422
1.250	24.861
1.295	25.293

DESIGN ADVICE

! The head/flow characteristics of this CHE-0203-2530-1295-2530 Hydro-Brake Optimum® Flow Control are unique. Dynamic hydraulic modelling evaluates the full head/flow characteristic curve.

The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.

Hydro International

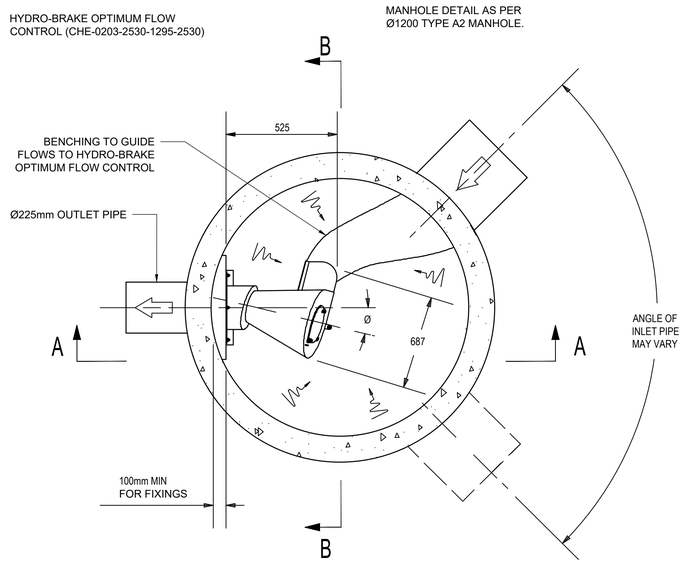
DATE	14/06/2023 13:14
Site	
DESIGNER	Cameron Robinson
Ref	

CHE-0203-2530-1295-2530

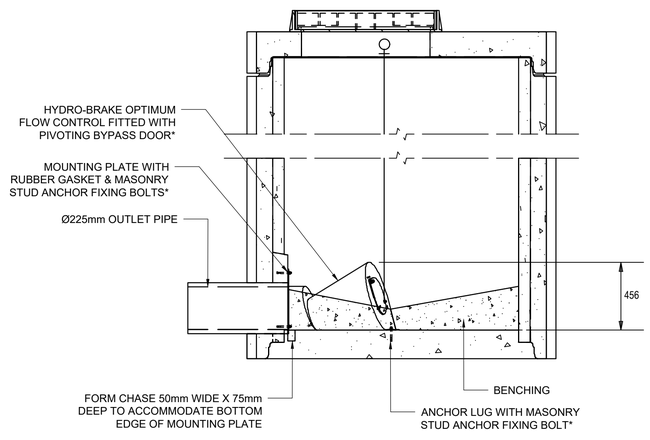
Hydro-Brake Optimum®

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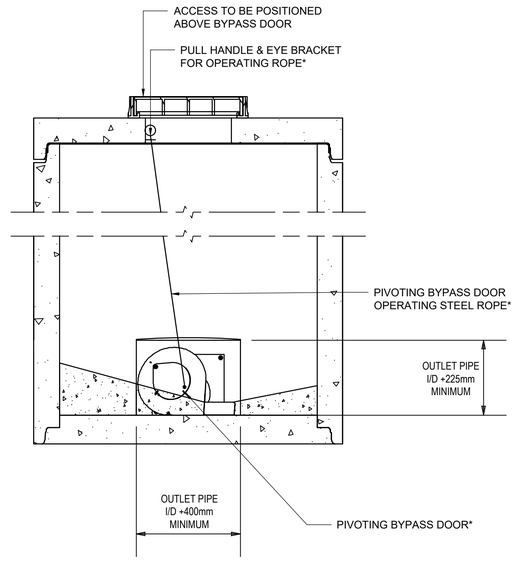
HYDRO-BRAKE OPTIMUM FLOW CONTROL HYDRAULIC CHARACTERISTICS



MANHOLE WITH HYDRO BRAKE - PLAN DETAIL MANHOLE



SECTION 'A-A'



SECTION 'B-B'

HYDROBRAKE TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS

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DO NOT SCALE THIS DRAWING.

HEALTH AND SAFETY INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING

CONSTRUCTION.
- WORKS WITHIN POTENTIAL CONFINED SPACE CONDITIONS
- WORKS IN PROXIMITY TO LIVE SERVICES
- WORKS INTERFACE WITH THE PUBLIC ON MILLER STREET

MAINTENANCE/CLEANING/OPERATION.
- WORKS WITHIN POTENTIAL CONFINED SPACE CONDITIONS
- WORKS IN PROXIMITY TO LIVE SERVICES
- WORKS INTERFACE WITH THE PUBLIC ON MILLER STREET

DECOMMISSIONING/DEMOLITION.
- WORKS WITHIN POTENTIAL CONFINED SPACE CONDITIONS
- WORKS IN PROXIMITY TO LIVE SERVICES
- WORKS INTERFACE WITH THE PUBLIC ON MILLER STREET

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, DETAILS AND SPECIFICATIONS.
3. ALL DRAINAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH BS EN 752 DRAINS AND SEWERS OUTSIDE BUILDINGS, THE CURRENT LOCAL BUILDING REGULATIONS AND TO THE SATISFACTION OF THE WATER AUTHORITY / BUILDING CONTROL OR SPECIFIC REQUIREMENTS OF THE CLIENT IF APPLICABLE.
4. BURIED CONCRETE, INCLUDING PRECAST CONCRETE TO BE DESIGNED TO BRE DIGEST 1, CONCRETE IN AGGRESSIVE GROUND. SULPHATE RESISTING CEMENT SHALL BE USED UNLESS AN ALTERNATIVE IS AGREED WITH THE SUPERVISING OFFICER/ENGINEER.
5. FOR DESIGNED, DESIGNATED OR STANDARDISED PRESCRIBED CONCRETE REFER TO BS EN 206-1 AND BS 8500. THEY SHALL HAVE A 20mm NOMINAL MAXIMUM SIZE OF AGGREGATE, AND A SLUMP CLASS S2 FOR TARGET 70mm AND NO ADMIXTURES.
6. ALL PIPES SHALL BE LAID SOFFIT TO SOFFIT UNLESS STATED OTHERWISE ON THE MANHOLE SCHEDULE.
7. MANHOLES & COVER SLABS TO BS EN 1917 AND BS 5911-3. PREFORMED SWEPT CHANNELS SHALL BE USED AT JUNCTIONS AND NO BRANCH SHALL ENTER AT LESS THAN 90 DEGREES FROM THE OUTGOING SEWER.
8. MANHOLE COVERS TO BE TO BS EN 124.
9. ALL PROPRIETARY PRODUCTS ARE TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS AND SPECIFICATION.

Rev	Description	Date	Iss'd	Rev'd	App'd
P02	ISSUED FOR STAGE 3+	25.08.2023	CR	DC	PT
P01	ISSUED FOR STAGE 3 COSTING	27.06.2023	CR	PT	PT

STAGE 3

Project Stage

INFORMATION

Status of Drawing

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Client *MEPC*

Architect *PLANIT-IE*

Project **ANGEL SQUARE PUBLIC REALM**

Drg Title PROPOSED DRAINAGE DETAILS SHEET 6

Job No. 0052681

Scale@A1 AS SHOWN

Drawn/Designed By. CR

Checked By. PT

Approved By. PT

Drawing No. 0052681-BHE-XX-XX-DR-C-3705

Revision P02

Dated Cannot P:\0052681\NOMA Angel Square Public Realm\08 Cities - Infra\01_Sheet\0052681-BHE-XX-XX-DR-C-3705_Drainage Details.dwg