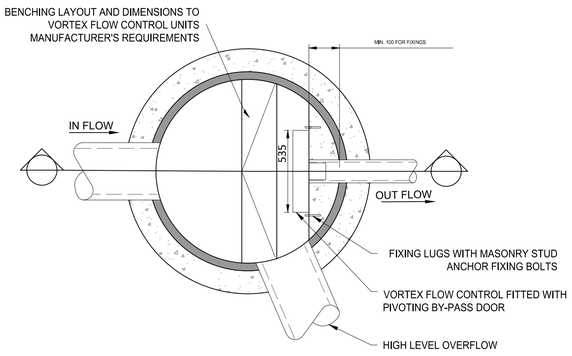
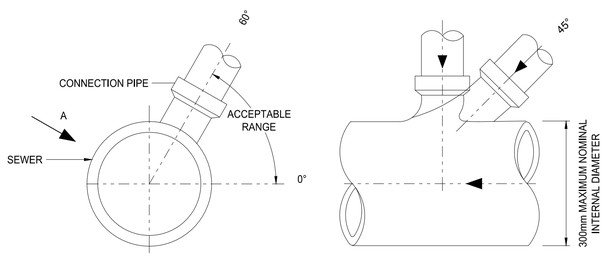
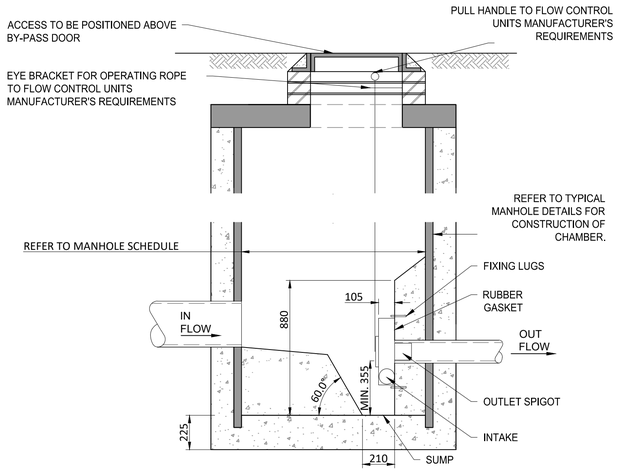


VORTEX FLOW CONTROL CHAMBER (S-MH25)



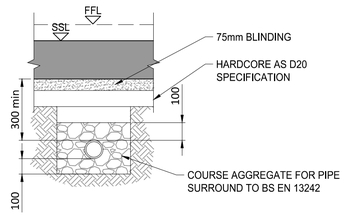
CROSS-SECTIONAL VIEW OF SEWER

PLAN VIEWED IN DIRECTION OF ARROW - A



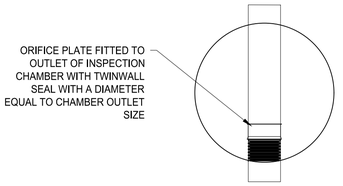
SECTION A-A

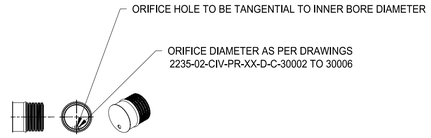
TO MANUFACTURER'S REQUIREMENTS



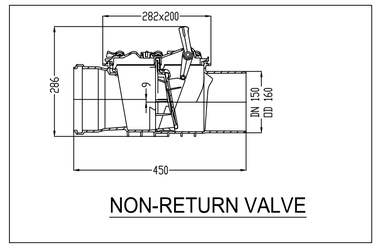
CLASS W SURROUND

FOR PIPES WITH CROWN >300 UNDER BUILDING



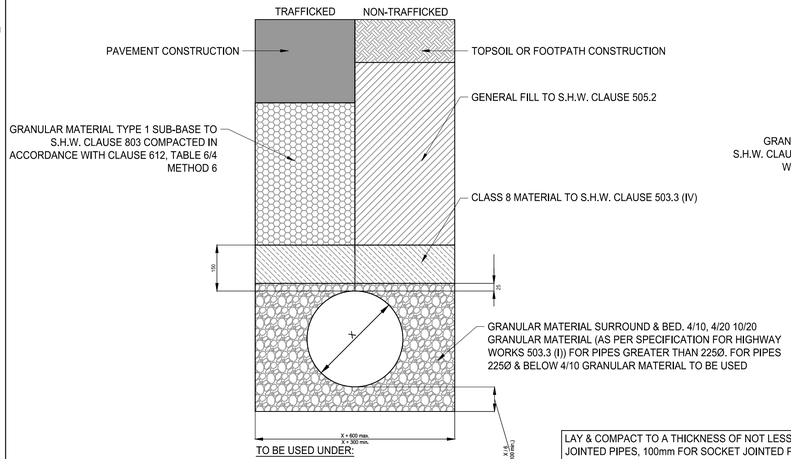


REMOVABLE ORIFICE PLATE BY TURTLE ENVIRO OR SIMILAR APPROVED



NON-RETURN VALVE

CONNECTIONS TO SEWERS



TO BE USED UNDER:

1. VEHICULAR AREAS WHERE COVER TO PIPE SOFFIT IS GREATER THAN 1200mm.
2. ALL NON-VEHICULAR AREAS WHERE COVER TO PIPE SOFFIT IS GREATER THAN 600mm.

NOTE:

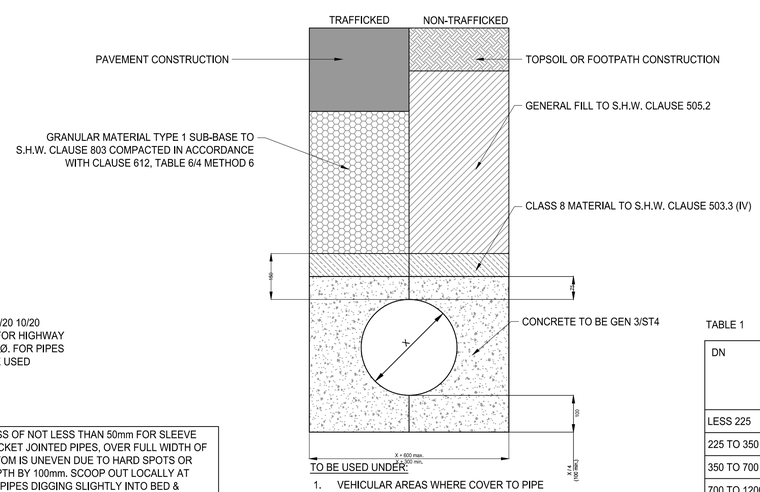
ALL PIPEWORK SHALL HAVE FLEXIBLE COUPLINGS

LAY & COMPACT TO A THICKNESS OF NOT LESS THAN 50mm FOR SLEEVE JOINTED PIPES, 100mm FOR SOCKET JOINTED PIPES, OVER FULL WIDTH OF TRENCH. WHERE TRENCH BOTTOM IS UNEVEN DUE TO HARD SPOTS OR OTHER REASON, INCREASE DEPTH BY 100mm. SCOOP OUT LOCALLY AT COUPLINGS/SOCKETS AND LAY PIPES DIGGING SLIGHTLY INTO BED & RESTING UNIFORMLY ON THIER BARRELS. ADJUST TO LINE & GRADIENT. AFTER INITIAL TESTING, LAY & COMPACT MORE GRANULAR MATERIAL UNIFORMLY TO HALFWAY UP EACH SIDE OF PIPE. BACKFILL (250mm FOR ADOPTABLE SEWERS) ABOVE CROWN OF PIPE WITH PROTECTIVE CUSHION OF MOT TYPE 1 OR SELECTED FILL, FREE FROM VEGETABLE MATTER, RUBBISH, FROZEN SOIL & MATERIAL RETAINED ON A 40mm SIEVE. COMPACT BY HAND (OR LIGHT MECHANICAL RAMMER) IN 100mm LAYERS.

CLASS S PIPE BEDDING & SURROUND

(TO BE USED FOR PLASTIC, VITRIFIED CLAY AND CONCRETE PIPEWORK).

SCALE 1:20



TO BE USED UNDER:

1. VEHICULAR AREAS WHERE COVER TO PIPE SOFFIT IS EQUAL TO OR LESS THAN 1200mm.
2. ALL NON-VEHICULAR AREAS WHERE COVER TO PIPE SOFFIT IS EQUAL TO OR LESS THAN 600mm.

NOTE:

ALL PIPEWORK WITH CLASS Z (GEN 3/ST4) CONCRETE SURROUND SHALL HAVE FLEXIBLE COUPLINGS WITH FLEXI-BOARDS ON ALL JOINTS (REFER TO DETAIL)

CLASS Z PIPE BEDDING & SURROUND

(TO BE USED FOR PLASTIC, VITRIFIED CLAY AND CONCRETE PIPEWORK).

SCALE 1:20

TABLE 1

DN	MINIMUM TRENCH WIDTH (OD + X)		
	SUPPORTED TRENCH	UNSUPPORTED TRENCH	
		# > 60°	# < 60°
LESS 225	600	600	600
225 TO 350	800	800	800
350 TO 700	OD + 700	OD + 700	OD + 400
700 TO 1200	OD + 850	OD + 850	
GREATER 1200	OD + 1000	OD + 1000	OD + 400

IN THE VALUES OD + X, X/2 EQUALS THE MINIMUM WORKING SPACE BETWEEN THE PIPE AND THE TRENCH WALL OR SUPPORT, WHERE:
OD IS EXTERNAL DIAMETER.
IS ANGLE OF UNSUPPORTED TRENCH SIDE MEASURED TO THE HORIZONTAL.

MINIMUM TRENCH WIDTH IN RELATION TO NORMAL SIZE DN

TABLE 2

TRENCH DEPTH	MINIMUM TRENCH WIDTH
LESS 1000	AS TABLE 1
1000 TO 1750	800
1750 TO 4000	900
GREATER 4000	1000

THE MINIMUM TRENCH WIDTH SHALL BE THE GREATER OF THE VALUES TAKEN FROM TABLES 1 & 2.

MINIMUM TRENCH WIDTH IN RELATION TO TRENCH DEPTH

STANDARD NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND THE SPECIFICATIONS.
2. THIS DRAWING SHOULD NOT BE SCALED.
3. ALL DIMENSIONS ARE TO BE VERIFIED BY THE CONTRACTOR ON SITE.
4. ALL DISCREPANCIES SHOULD BE REPORTED TO C.A./E.A. PRIOR TO THE COMMENCEMENT OF WORKS.

© CIVIC LIMITED

NOTES:

1. ALL DRAINAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND IN COMPLIANCE WITH BS EN 852 AND BUILDING REGULATIONS APPROVED DOCUMENT H
2. ALL MATERIALS INCLUDING PIPES, CHAMBERS AND ALL ACCESSORIES SHALL CONFORM TO SECTION E2 OF THE SEWER SECTOR GUIDANCE APPENDIX C DCG.
3. MANHOLE COVERS TO BE ORIENTED PARALLEL TO ALIGN WITH PAVING, KERB LINES AND/OR BUILDINGS
4. ALL INTERNAL MANHOLE COVERS ARE TO BE DOUBLE SEALED AND LOCKABLE
5. PIPE CONNECTIONS NOT IN INSPECTION CHAMBERS OR MANHOLES SHALL BE MADE VIA PREFORMED OBLIQUE JUNCTIONS SWEPT IN THE DIRECTION OF FLOW

DATE	REV	DESCRIPTION	DRAWN	CHKD
31.07.26	P03	FULL ISSUE	OS	JDL
18.06.26	P02	DRAFT STAGE 4A ISSUE	ZA	JDL
18.03.26	P01	FOR INFORMATION	JD	JDL

CIVIC

team-civic.com

PROJECT

MUSE WYTHENSHAWE
BROTHERTON

TITLE

STANDARD DETAILS
SuDS

DRAWING STATUS	STATUS CODE
STAGE 4A	S3

CE PROJECT No.	SCALE @ A1	DATE CREATED	DRAWN	CHECKED
18704	1:20	MAR'26	JD	JDL

DRAWING No.

18704-CIV-XX-XX-D-C-31003

REV

P03

FILE LOCATION PATH: P:\PROJECTS HOT3323-02 MUSE - WYTHENSHAWE - PLOTS C2 AND 3.3\004 BIM\CIVIL\SIDRAWINGS\BROTHERTON\18704-CIV-XX-XX-D-C-31001_DRAINAGE STANDARD DETAILS SHEET 1.DWG