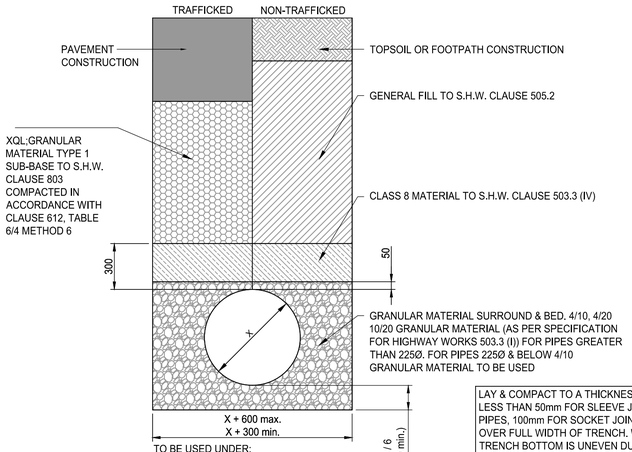


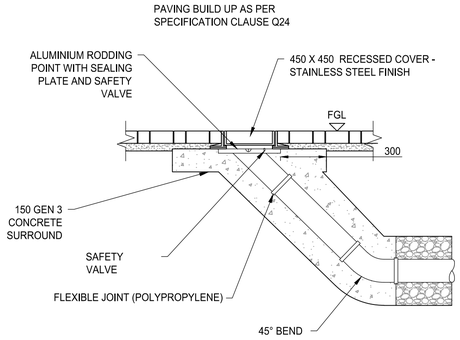
TO BE USED UNDER:

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.

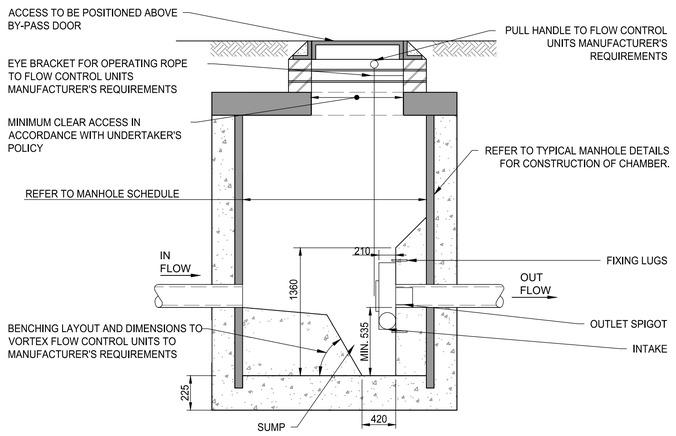
NOTE:
ALL PIPEWORK SHALL HAVE FLEXIBLE COUPLINGS

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

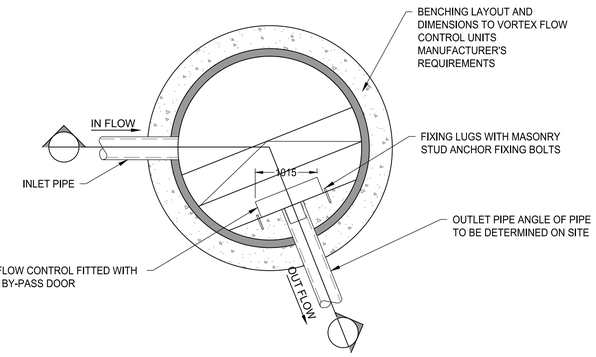


RECESSED RODDING EYE



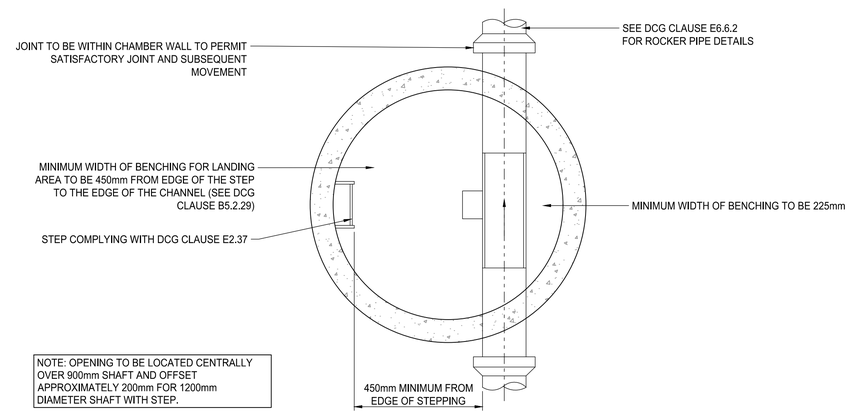
VORTEX FLOW CONTROL CHAMBER - SECTION A-A

TO MANUFACTURER'S REQUIREMENTS



HYDRO-BRAKE VORTEX FLOW CONTROL CHAMBER
PRODUCT NO. SHE-0203-2520-5-2520

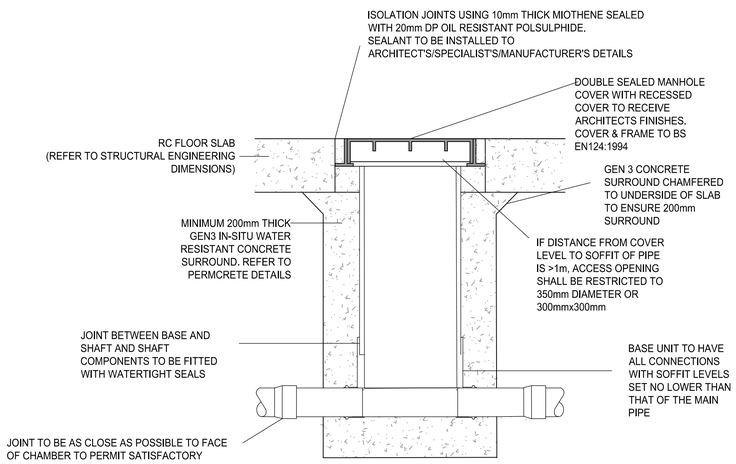
PLAN VIEW



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

TYPICAL MANHOLE DETAIL - TYPE A1

DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3m TO 6m WITH STEP AND REDUCING SLAB
RIGID MATERIAL CONSTRUCTION WITHOUT CONCRETE SURROUND
(NTS)



TYPICAL INTERNAL INSPECTION CHAMBER

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 ENGINEERS 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
09.10.26	P02	FOR DISCHARGE CONDITIONS	AH	JDL
10.08.26	P01	FOR INFORMATION	MM	JDL

CIVIC ENGINEERS
civicengineers.com

PROJECT
BROTHERTON HOUSE

TITLE
DRAINAGE STANDARD DETAILS
SHEET 2 OF 2

DRAWING STATUS	STATUS CODE
INFORMATION	-

CE PROJECT No.	SCALE @ A1	DATE CREATED	DRAWN	CHECKED
4475	NTS	AUG'26	MM	JDL

DRAWING No. 4475-CIV-XX-XX-D-C-31002 REV P02

FILE LOCATION PATH: P:\PROJECTS HOT\4475 PICCADILLY GARDENS\004 BIM\CIVILS\DRAWINGS\4475-CIV-XX-XX-D-C-31002 - DRAINAGE STANDARD DETAILS SHEET 2 OF 2.DWG