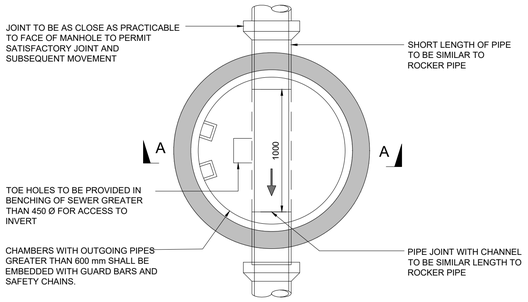
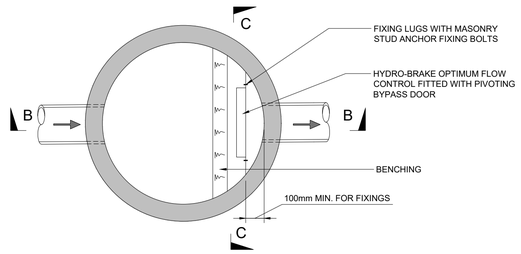


PLAN
SCALE 1:25



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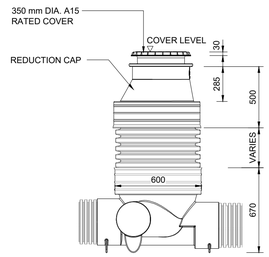
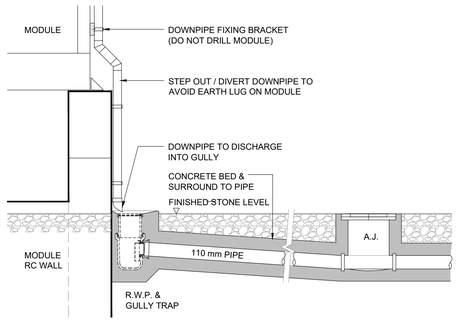


TYPICAL TWINWALL INSPECTION CHAMBER DETAIL
NTS



R.W.P. OUTLET DETAIL AT MODULE
SCALE 1:25

NOTES:

1. ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
2. LEVELS PROVIDED ON THIS DRAWING ARE SHOWN RELATIVE TO FINISHED STONE LEVEL. FOR SITE SPECIFIC LEVELS, REFER TO SITE SECTIONS AND ELEVATIONS.
3. THIS DRAWING IS FOR PLANNING PURPOSES ONLY AND NOT FOR CONSTRUCTION.
4. FOR DETAILS OF MANHOLE / CATCH PIT REQUIRED SEE TABLE 1.

TABLE 1

DEPTH FROM SOFFIT TO COVER LEVEL (m)	DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	PIPE ROCKER LENGTH (mm)	MINIMUM INTERNAL DIAMETER (mm)	MINIMUM ACCESS OPE (mm)
1.0 - 3.0	≤ 150	500 - 750	1000	600 Ø
1.0 - 3.0	225	500 - 750	1200	750 Ø
1.0 - 3.0	300	500 - 750	1200	750 Ø
1.0 - 3.0	375 - 450	750 - 1000	1350	750 Ø
1.0 - 3.0	> 450	SEEK GUIDANCE		

NOTES:

- LARGER INTERNAL DIAMETER MAY BE REQUIRED WHERE SPECIFIC MAINTENANCE REQUIREMENTS DEEM IT NECESSARY
- LARGER OPENING SIZE IS REQUIRED FOR MANHOLES AT SHALLOWER DEPTHS TO PERMIT STANDING/CROUCHING.
- CHAMBER COVERS AND FRAME TO BE CIRCULAR DUCTILE IRON AND:

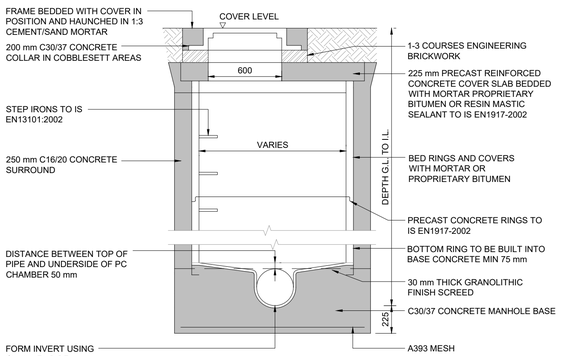
A. CLASS D400 TO I.S. EN 124:1994 BENEATH TRAFFICKED AREAS (E.G. CARRIAGEWAYS, DRIVEWAYS AND FOOTPATHS).

B. CLASS D250 TO I.S. EN 124:1994 BENEATH GRASSED AREAS.

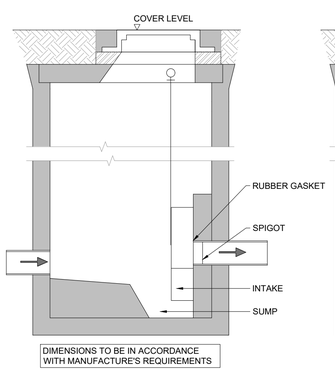
TABLE 2

TRENCH WIDTH FOR uPVC SEWERS

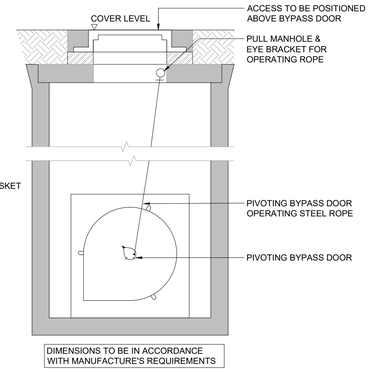
NOMINAL PIPE SIZE (mm)	WIDTH OF TRENCH (mm)	
	MINIMUM	MAXIMUM
110	450	600
160	450	600
200	600	700
225	600	700
250	600	700
315	700	850
355	750	900
400	800	950
450	850	1000



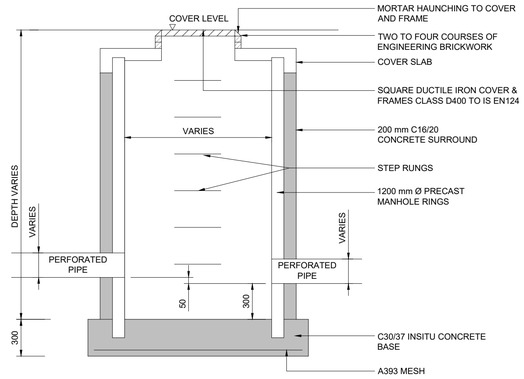
SECTION A-A
SCALE 1:25



SECTION B-B
SCALE 1:25



SECTION C-C
SCALE 1:25



TYPICAL CATCH PIT DETAIL
SCALE 1:25

TYPICAL PRECAST RING MANHOLE, DEPTH TO SOFFIT 0-3 m
SCALE 1:25

TYPICAL HYDRO-BRAKE DETAIL
SCALE 1:25

PIPE Ø	ROCKER PIPE LENGTH
150-450	500 - 750
450-750	750 - 1000
750	SEEK GUIDANCE

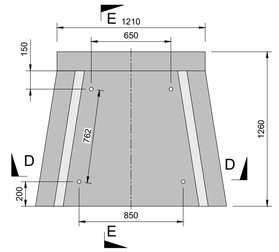
COVER AND FRAME TO BE:

a) SQUARE DUCTILE IRON WITH 600 mm CLEAR OPE. CLASS D400 TO IS EN124 BENEATH CARRIAGEWAYS, DRIVEWAYS AND FOOTWAYS.

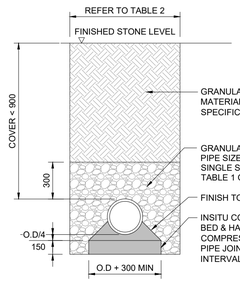
b) SQUARE DUCTILE IRON WITH 600 mm CLEAR OPE. CLASS B125 TO IS EN124 BENEATH GRASSED AREAS

NOTES:

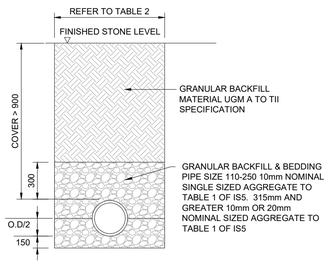
1. DIMENSION X IS THE EXTERNAL DIAMETER OF THE PIPE
2. MINIMUM TRENCH WIDTH IS X + 300 mm FOR DRAINS NOT EXCEEDING 1.5 m COVER BELOW FINISHED GROUND LEVEL. USE X + 450 mm FOR DRAINS EXCEEDING 1.5 m COVER.
3. MAX PIPE DIAMETER SHALL BE 450 mm.



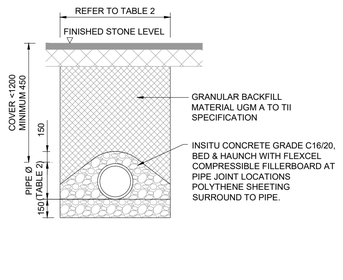
PLAN
SCALE 1:25



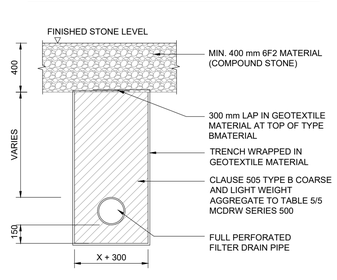
CONCRETE BED & HAUNCH DETAIL
BEDDING CLASS-A.
SCALE 1:25



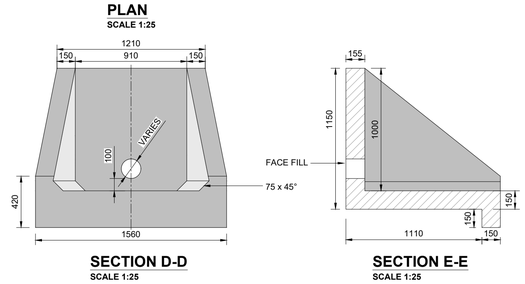
GRANULAR BEDDING DETAIL
BEDDING CLASS-B.
SCALE 1:25



TYPICAL SECTION - uPVC DRAINS/SEWERS IN TRAFFIC AREAS BEDDING CLASS-C.
SCALE 1:25



SECTION THROUGH LAND DRAIN
SCALE 1:25



SECTION D-D
SCALE 1:25

SECTION E-E
SCALE 1:25

TYPICAL PRECAST HEADWALL DETAIL
SCALE 1:25

REV	DATE	REVISION DESCRIPTION	DRN	PROD	VER	APP
1	FEB 26	MINOR MODIFICATIONS				
0	JUL 25	ISSUED FOR PLANNING	LMcM	LMcM	SD	KO'N

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PURPOSE OF ISSUE - PRELIMINARY UNLESS INDICATED

CLIENT APPROVAL ☐ PLANNING [X] TENDER ☐ CONSTRUCTION ☐ AS-BUILT ☐

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PROJECT: General Civil Drawings and Notes

CONTRACT:

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TC234181		1	A1	AS SHOWN

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