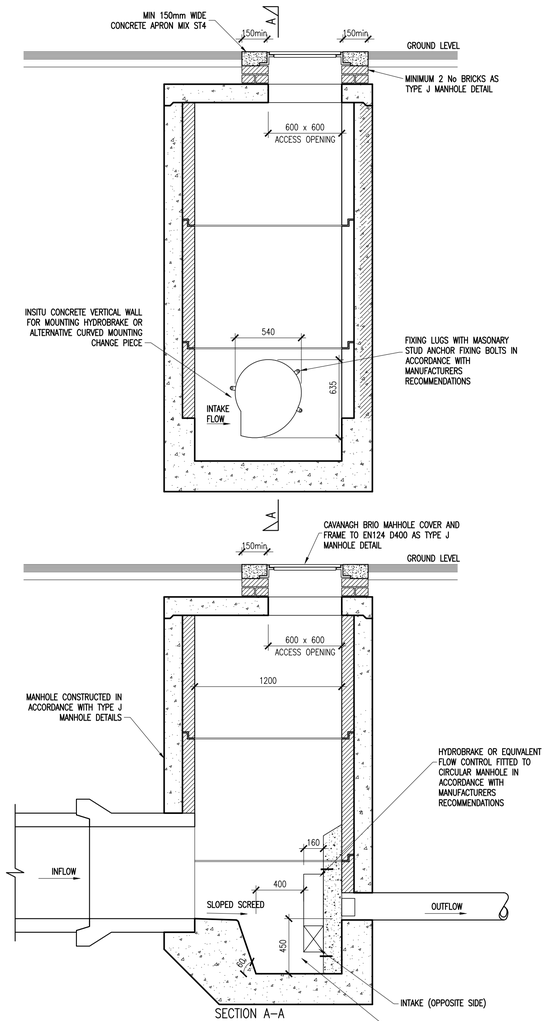
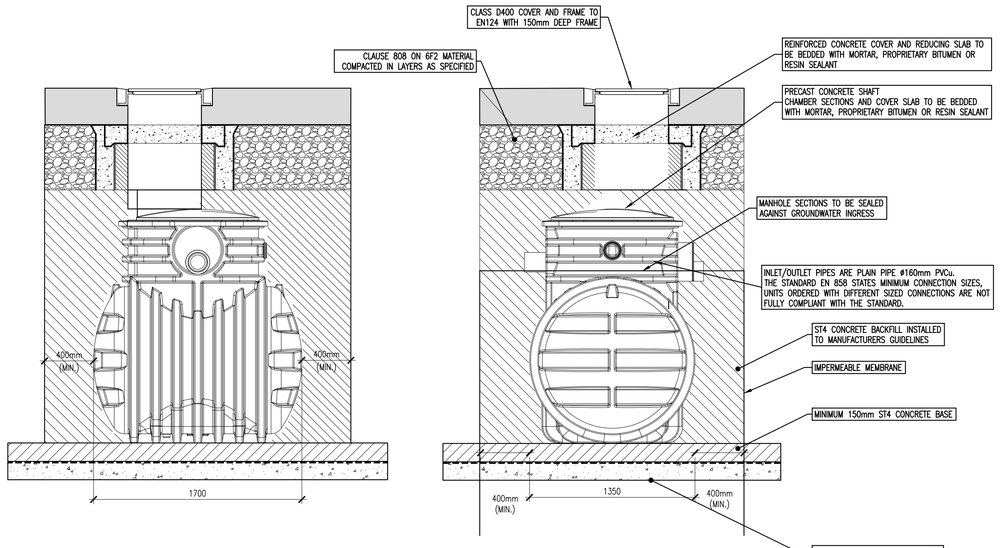


SECTION A–A

FLOW CONTROL MANHOLE DETAIL

SCALE 1:25

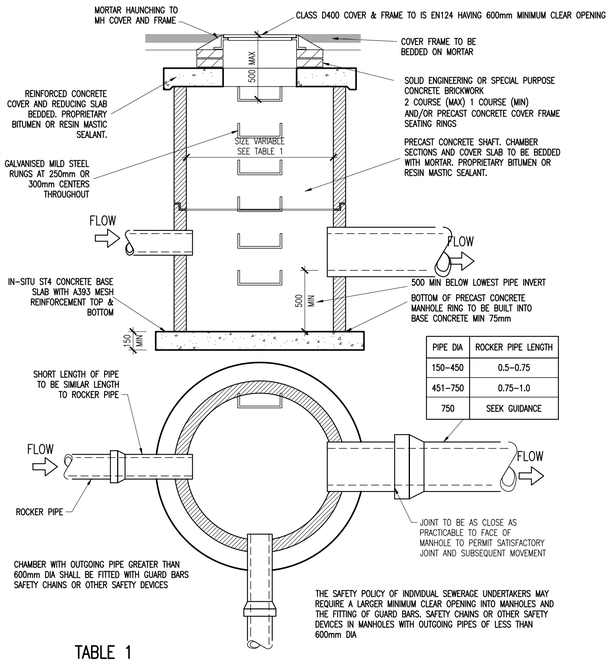
DETAIL 2A



NSBP003 FULL RETENTION OIL SEPARATOR DETAIL

SCALE 1:25

DETAIL 2B

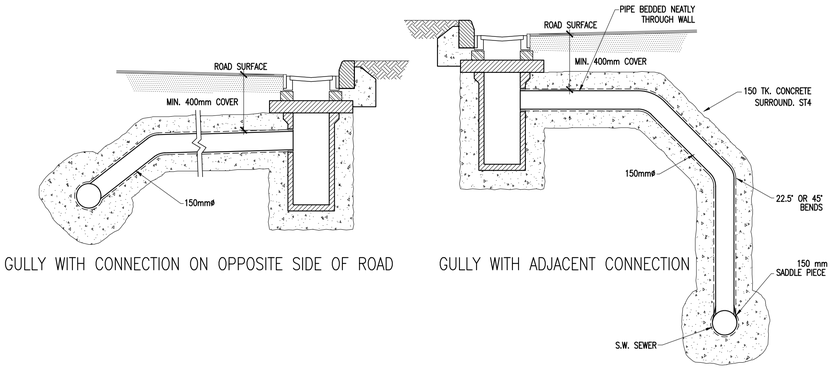


PIPE DIA	ROCKER PIPE LENGTH
150–450	0.5–0.75
451–750	0.75–1.0
750	SEEK GUIDANCE

TABLE 1

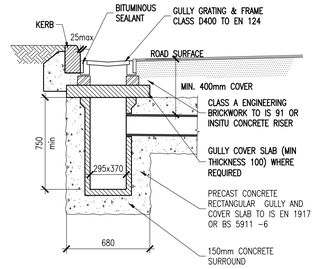
DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	CHAMBER SECTION DIAMETER (mm)
LESS THAN 375	1200 (1050 WHERE DEPTH TO SOFFIT IS 1.35m – 1.5m)
375 – 450	1350
500 – 700	1500
750 – 900	1800

DETAIL 2C



GULLY WITH CONNECTION ON OPPOSITE SIDE OF ROAD

GULLY WITH ADJACENT CONNECTION



ROAD GULLY DETAILS SECTION

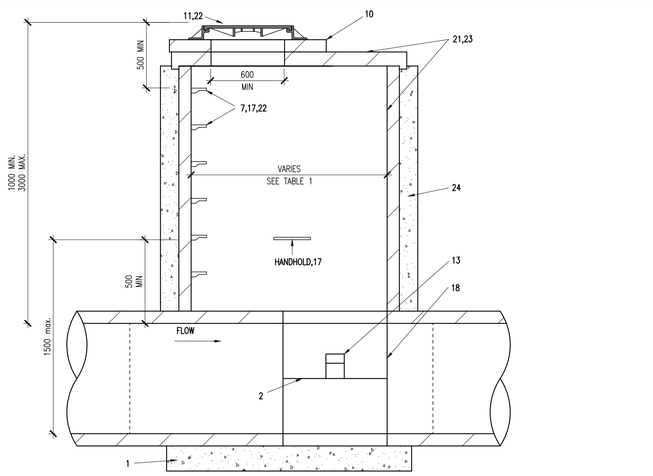
ROAD GULLY DETAILS

SCALE 1:25

CATCHPIT MANHOLE DETAIL

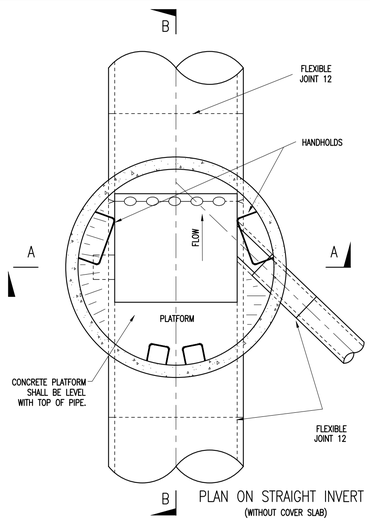
1:25

DETAIL 2D

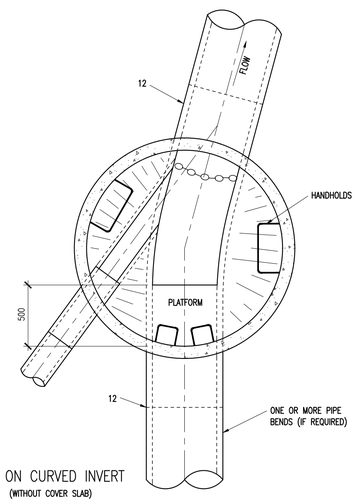


SECTION B–B

INTEGRAL IN–SITU 20N/20mm CONCRETE BASE WALLS, BENCHING AND BASE SLAB WITH PRECAST CHANNEL AS SHOWN OR IN–SITU FORMED INVERT AS ALTERNATIVE. WALLS TO EXTEND 150mm BEYOND OUTER FACES OF CHAMBER RING. ALTERNATIVELY PRECAST CONCRETE CHAMBER RINGS MAY BE BEDDED IN MORTAR OR IN SITU 20N/20mm CONCRETE BASE SLAB 300mm GREATER IN DIAMETER THAN CHAMBER RINGS.



PLAN ON STRAIGHT INVERT
(WITHOUT COVER SLAB)



PLAN ON CURVED INVERT
(WITHOUT COVER SLAB)

GREATER DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS TYPICAL MANHOLE DETAIL – TYPE J DEPTH TO SOFFIT 1 TO 3m

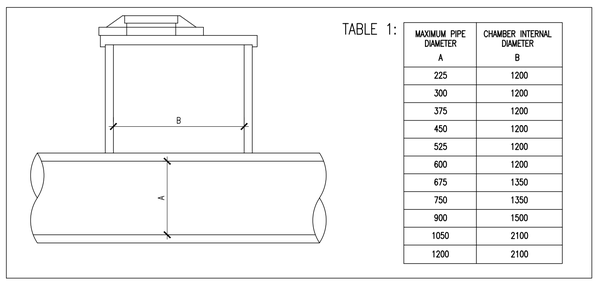
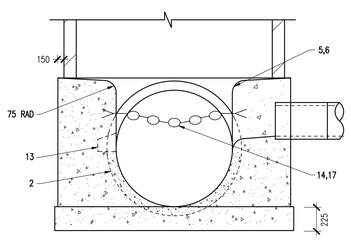


TABLE 1:

MAXIMUM PIPE DIAMETER A	CHAMBER INTERNAL DIAMETER B
225	1200
300	1200
375	1200
450	1200
525	1200
600	1200
675	1350
750	1350
900	1500
1050	2100
1200	2100



SECTION A–A

DETAIL 2E

ON ORIGINAL

0 5 10 15 20 25 30 40 50mm

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NOTES:

1. WHERE ROCKS OR OTHER HARD THE FIGURE DENOTED BY * IS TO TRENCH BOTTOM IS ENCOUNTERED BE DOUBLED.
2. TYPE 1 GRANULAR MATERIAL: BROKEN STONE OR GRAVEL TO PASS 10mm SIEVE AND BE RETAINED ON 5mm SIEVE.
3. TYPE 2 GRANULAR MATERIAL: BROKEN STONE OR GRAVEL TO PASS 10mm - 25mm SIEVE, ACCORDING TO PIPE SIZE, (SEE TABLE) AND BE RETAINED ON 5mm SIEVE.
4. TYPE 3 SELECTED FILL: UNIFORM READILY COMPACTED MATERIAL FREE FROM TREE ROOTS, VEGETABLE MATTER, BUILDING DEBRIS, AND FROZEN SOIL AND EXCLUDING CLAY LUMPS RETAINED ON A 75mm SIEVE AND STONES RETAINED ON A 37.5mm SIEVE.
5. RIGID PIPES SHALL MEAN CAST OR SPUN IRON, CONCRETE OR CLAY.
6. FLEXIBLE PIPES SHALL MEAN PIPES OF STEEL, PVC, OTHER PLASTIC OR DUCTILE IRON.
7. ROAD GULLY GRATINGS AND FRAMES SHALL COMPLY WITH THE REQUIRE MENTS OF I.S.EN 124: 1994. EACH GULLY AND FRAME SHALL HAVE MARKED CLEARLY THEREON:

(A) I.S./EN 124:1994 - CLASS C250 OR CLASS D400 AS APPROPRIATE
(B) THE NAME AND/OR IDENTIFICATION MARK OF THE MANUFACTURER AND THE PLACE OF MANUFACTURE.
(C) THE YEAR OF MANUFACTURE.
(D) MARK OF THE CERTIFICATION BODY

8. ROAD GULLY PITS TO BE IN-SITU CONCRETE OR RECTANGULAR AS SPECIFIED.
9. SEPARATORS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERSINSTRUCTIONS.

rev	date	description	by	chkd.
P02	24-02-23	ISSUED FOR PLANNING	DKE	DCB
P01	07-10-22	ISSUED FOR PLANNING	DKE	DCB

client approval: A - Approved; B - Approved with comments; C - Do not use

suitability: S2 - INFORMATION

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client: MALKEY LIMITED

designed by	author	scale	sheet size
DCB	DKE	AS SHOWN	A1

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