



TRENCHSTOPS

CONCRETE BULKHEADS

NOTES:

1. Compressible membrane around pipe to be 3mm thick rubber.
2. Concrete bulkhead / trenchstop spacing based on standard pipe length 5.5m (DICL) and 2.44m (RCP)
Refer designer for bulkhead / trenchstop spacing for non standard pipe lengths
3. Key concrete bulkhead into sides and bottom of trench against a bearing surface of undisturbed soil.
4. Concrete class N25

CONCRETE BULKHEAD / TRENCHSTOPS FOR UPVC (3m LENGTHS)

REQUIREMENT FOR CONCRETE BULKHEADS		TRENCHSTOPS
GRADIENT	SPACING (m)	SPACING (m)
1 in 2	3.0 + CONCRETE SURROUND	CONCRETE SURROUND
1 in 3	6.0 + CONCRETE SURROUND	CONCRETE SURROUND
1 in 4	10.0	4.000
1 in 5	12.0	5.000
1 in 6	14.0	6.000

CONCRETE BULKHEAD / TRENCHSTOPS FOR UPVC (6m LENGTHS)

REQUIREMENT FOR CONCRETE BULKHEADS		TRENCHSTOPS
GRADIENT	SPACING (m)	SPACING (m)
1 in 2	6.0 + CONCRETE SURROUND	CONCRETE SURROUND
1 in 3	12.0 + CONCRETE SURROUND	CONCRETE SURROUND
1 in 4	18.0	4.000
1 in 5	22.0	5.000
1 in 6	27.0	6.000

CONCRETE BULKHEAD / TRENCHSTOPS FOR DICL (5.5m LENGTHS)

REQUIREMENT FOR CONCRETE BULKHEADS		TRENCHSTOPS
GRADIENT	SPACING (m)	SPACING (m)
1 in 2	5.5 + CONCRETE SURROUND	CONCRETE SURROUND
1 in 3	11.0 + CONCRETE SURROUND	CONCRETE SURROUND
1 in 4	11.000	4.000
1 in 5	16.500	5.000
1 in 6	22.000	6.000

CONCRETE BULKHEAD / TRENCHSTOPS FOR RCP (2.44m LENGTHS)

REQUIREMENT FOR CONCRETE BULKHEADS		TRENCHSTOPS
GRADIENT	SPACING (m)	SPACING (m)
1 in 2	2.0 + CONCRETE SURROUND	CONCRETE SURROUND
1 in 3	3.0 + CONCRETE SURROUND	CONCRETE SURROUND
1 in 4	7.800	4.000
1 in 5	9.800	5.000
1 in 6	11.700	6.000

APPLICABILITY TABLE							
Council	BSC	CHRC	GRC	IRC	LSC	MRC	RRC
Applicable	Yes	Yes	Yes	Yes	Yes	Yes	Yes

REVISIONS	DATE
C IRC ADDED	11/2016
B UPVC REQUIREMENTS ADDED	03/2015
A NEW DRAWING	01/2015

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Capricorn Municipal Development Guidelines
Incorporating:
Banana Shire Council (BSC)
Central Highlands Regional Council (CHRC)
Gladstone Regional Council (GRC)
Isaac Regional Council (IRC)
Livingstone Shire Council (LSC)
Maranoa Regional Council (MRC)
Rockhampton Regional Council (RRC)

SEWER CONSTRUCTION BULKHEAD AND TRENCHSTOP DETAILS

ROADS
STANDARD DRAWING
CMDG-S-091
REV. A B C