



TYPE 6 CONSTRUCTION
TIMBER PILE & RAFT FOUNDATION CONCRETE N20

Refer project drawings

100 x 100 Hardwood piles in pairs at 1200 C\C along line of main.

Ø375 - Ø900 PIPES

150 x 50 Hardwood planks

150 X 50 Hardwood sleepers

100 or 0.25D whichever is greater

Ø100 - Ø300 PIPES

100 x 100 Hardwood piles at 1200 C\C along line of main.

NOTE: Contraction joint to be formed in concrete at 3m intervals.

NOTES:

- Refer specification for definition of:-
 - Bedding material
 - Approved filling
 - Flexible pipe systems
 - Geofabric
 - Backfill
 - Stabilized sand filling
 - Lean mix concrete
 - Pavement
 - Detectable identification tape
- Spacing of concrete anchor blocks
 - Slope 1 in 5 to 1 in 6 - every 4th pipe
 - Slope 1 in 4 to 1 in 5 - every 3rd pipe
 - Slope 1 in 3 to 1 in 4 - every 2nd pipe
 - Slope greater than 1 in 3 - every pipe

- All bars Grade 250 to AS 3679.
- Concrete N32 in accordance with AS 1379 and AS 3600.
- For backfilling under Roadways:-
 - All unbound gravel and select fill is to be compacted to 95% STD compaction to AS 1289.5.2.1
 - All cement treated material is to be compacted to 100% STD compaction to AS 1289.5.2.1
 - All material to be compacted in 100mm layers.
 - All cement stabilised material to have a MIN 4% cement by dry weight.
 - Surface level tolerance: The deviation from a string laid parallel to the centre line of an existing road as shown on the drawing shall not exceed 10mm.

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

REVISIONS	DATE
F IRC ADDED	11/2016
E GRC AND LSC ADDED	09/2014
D APPLICABILITY AMENDED	01/2013
C BSC ADDED	09/2007
B CMDG REVIEW CHANGES	04/2007
A ORIGINAL ISSUE	10/2003

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

BEDDING AND BACKFILL FOR WATER MAIN CONSTRUCTION

ROADS
 STANDARD DRAWING
CMDG-W-040
 REV. A | B | C | D | E | F