



## CLASS S SURROUND

**GRANULAR SURROUND & BACKFILL FOR** AREAS SUBJECT TO VEHICLE LOADING



Ferram 1000 to bed and surround shall be used where pipes are laid in fill material, soft ground and below the water table

Coarse aggregate for pipe bedding and surround material to BS EN 13242. Refer to



Backfill with material excavated from trench

Selected as dug fill R12 / 616

Terram 1000 to bed and surround shall be used where pipes are laid in fill material, soft ground and below the water table.

Coarse aggregate for pipe bedding and surround material to BS EN 13242. Refer to R12/667

# **CLASS S SURROUND**

**GRANULAR SURROUND & BACKFILL FOR** SOFT OR HARD LANDSCAPING AREAS NOT SUBJECT TO VEHICLE LOADING

> Class Y surround for cover <300 Class W surround for cover >300

#### TABLE 1

DN	Minimum trench width (OD + x)			
	Supported	Unsupported trench		
	trench	# > 60°	# < 60°	
less 225 600		600	600	
225 to 350	800	800	800	
350 to 700	OD + 700	OD + 700	OD + 400	
700 to 1200 OD + 850		OD + 850		
greater 1200 OD + 1000		OD + 1000	OD + 400	

In the values OD + x, x/2 equals the minimum working space between the pipe and the trench wall or support, where:

OD is external diameter. # is angle of unsupported trench side measured to the horizontal.

## MINIMUM TRENCH WIDTH IN RELATION TO NORMAL SIZE DN

Trench depth	Minimum trench width
less 1000	As Table 1
1000 to 1750	800
1750 to 4000	900
greater 4000	1000

The minimum trench width shall be the greater of the values taken from tables 1 & 2.

## MINIMUM TRENCH WIDTH IN **RELATION TO TRENCH DEPTH**

pipe

pile cap

# PIPE THROUGH PILE CAP DETAIL





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Drawn	TP	Eng JL
Scales	1:20 at A1	1:40 at A3
Drawing No		Rev
3019	98/6102	C02

#### Status FOR CONSTRUCTION

**BELOW GROUND** DRAINAGE DETAILS SHEET 3

## CENTRAL SOMERS TOWN PLOT 5 & 6

C02	21.07.23	TP	JL	Issued for Construction
C01	05.07.23	TP	JL	Issued for Construction
P03	11.05.23	FG	JL	Issued for Information
P02	21.04.23	FG	JL	Stage 4 - Issued for DT Review
P01	28.10.22	TP	JL	Issued for Stage 3
Rev	Date	Drawn	Eng	Amendment

- NOTES :
- 1. This drawing is to be read in conjunction with all relevant Architect's, Engineer's and specialists' drawings and specifications.
- 2. Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check that this drawing has been printed to the intended scale this bar should be 50mm long @ A1 or 25mm long @ A3.
- 3. Health & Safety All specific drawing notes are to be read in conjunction with the project "Information Pack" and "Site Rules".