





150 thick layers Terram 1000 to bed and surround shall be used where pipes are laid in fill material, soft ground and

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

CLASS S SURROUND

GRANULAR SURROUND & BACKFILL FOR AREAS SUBJECT TO VEHICLE LOADING



• Under private roads and pavements; with Type 1 granular sub-base material • Under public roads and pavements; to

Dept of Transport 'Specification for the Reinstatement of Openings in Highways' Elsewhere; with material excavated from

Concrete surround GEN 3 with vertical construction joints at pipe joints



CLASS Z SURROUND COMPLETE CONCRETE SURROUND



GRP PUMP CHAMBER - PLAN VIEW

TABLE T					1.	relevant
DN	Minimum trench wi			and spec		
	Supported trench	Unsupported trench			2.	Do not so
		# > 60°	# < 60°			form. Us drawing
less 225	600	600	600			should b
225 to 350	800	800	800		3.	Health &
350 to 700	OD + 700	OD + 700	OD + 400			All specif
700 to 1200	OD + 850	OD + 850				with the
greater 1200	OD + 1000	OD + 1000	OD + 400			
n the values OD + x, x he trench wall or supp DD is external diamete # is angle of unsuppor	x/2 equals the minim port, where: er. ted trench side meas	um working space sured to the horizor	between the pipe an	- nd		

MINIMUM TRENCH **TO NORM**

TABLE 2	
Trench depth	Minimum trench width
less 1000	As Table 1
1000 to 1750	800
1750 to 4000	900
greater 4000	1000

values taken from tables 1 & 2.

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

WIDTH IN RELATION
AL SIZE DN

WIDTH IN RELATION
AL SIZE DN

					•••	-	<u> </u>	•
				N 1				
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			- 0					

The minimum trench width shall be the greater of the

 Vertical reint H8 top hat U bars at 300 centres, with minimum 50 cover and 150 bob end into slab, bent on site from stock steel.

















- Hardcore as D20 spec

Class W surround

Processed granular

bedding material



nforcement	

Notes :

- 1. This drawing is to be read in conjunction with all Architect's, Engineer's and specialists' drawings cifications.
- scale from this drawing in either paper or digital se written dimensions only. To check that this has been printed to the intended scale this bar be 50mm long @ A1 or 25mm long @ A3.
- Safety ific drawing notes are to be read in conjunction project "Information Pack" and "Site Rules".

1 24.03.20 PJ YA Issued for Information Ver Date Drawn Eng Amendment 8 OAKHILL AVENUE, LONDON, NW3 7RE DRAINAGE DETAILS

Status

FOR INFORMATION NOT FOR CONSTRUCTION

Drawn PJ Eng YA Scales NTS at A1 Ver

Drawing No 28373/6100

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