## \* SOIL TYPE 2: SLIGHTLY COHESIVE (SAND AND GRAVEL) NO TRAFFIC LOAD.

### CLASS A BEDDING (UNREINFORCED)

PIPE Dia.	DEPTH OF COVER (m)											
(mm)	0,50	1,00	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00
450												
525												
600												
675												
750												
825												
900												
1050												
1200												
1350												
1500											////	
1650												
1800												

LEGEND		
	CLASS	25D
	CLASS	50D
	CLASS	75D

CLASS A BEDDING (UNREINFORCED)

PIPE Dia.	DEPTH OF COVER (m)											
(mm)	0,50	1,00	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00
450												
525												
600												
675												
750												
825												
900												
1050												
1200												
1350												
1500												
1650												
1800												

### \* SOIL TYPE 2: SLIGHTLY COHESIVE (SAND AND GRAVEL) NO TRAFFIC LOAD.

CLASS B BEDDING

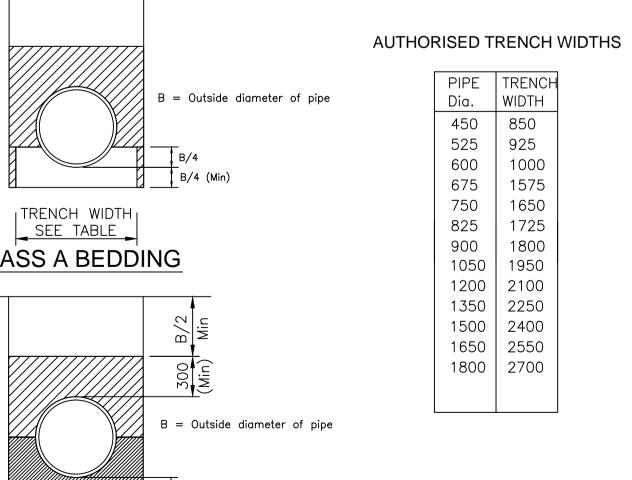
PIPE Dia.		DEPTH OF COVER (m)										
(mm)	0,50	1,00	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00
450	///									////		////
525												
600												
675											* * * * * * * * * * * * * * * * * * *	
750												
825												
900												
1050												
1200												
1350												
1500												
1650												
1800												

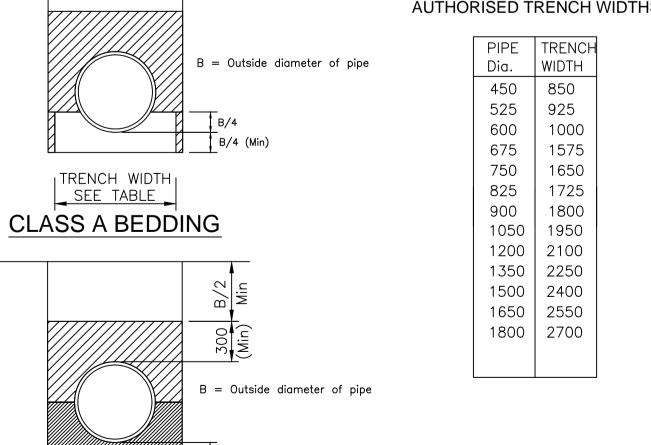
LEGEND		
	CLASS	50D

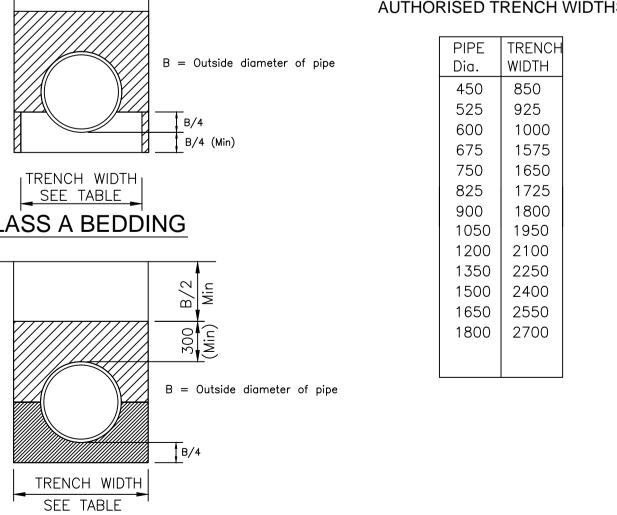
• • • • • • • • • • • • • • • • • • •	CLASS	100D
	CLASS	75D
////	01,00	000

	B BEDI	DING											
PIPE Dia.		DEPTH OF COVER (m)											
(mm)	0,50	1,00	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00	
450													
525													
600													
675													
750													
825													
900													
1050												• • • • • • • • • • • • • • • • • • •	
1200													
1350													
1500													
1650				[]]]									
1800													

	For cohesive materials, the earth loading can be determined from the following:											
DESIG	n crite	ERIA										
1. BE	1. BEDDING FACTORS											
1.2 C 1.3 C 1.4 C	<ol> <li>1.1 CLASS A: 2,6 (UNREINFORCED)</li> <li>1.2 CLASS B: 2,0</li> <li>1.3 CLASS C: 1.5</li> <li>1.4 CLASS D: 1,1</li> <li>2. LOAD COEFFICIENT Cd FOR SOIL GROUP 3: COHESIVE MATERIAL</li> </ol>											
H/Bc	0,50	1,00	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00
Cd	0,46	0,83	1,14	1,40	1,62	1,79	1,94	2,06	2,16	2,24	2,31	2,37
W = ( W = Cd = GM = Bd = 4. PIP	3. PIPE LOADING DUE TO FILL W = Cd*GM*Bd <sup>2</sup> , where W = Load/metre (kN/m) Cd = Load coefficient GM = Soil density (kN/m <sup>2</sup> ) Bd = Trench width 4. PIPE CLASS REQUIRED											







CLASS B BEDDING

# \* SOIL TYPE 2: SLIGHTLY COHESIVE (SAND AND GRAVEL)

TRAFFIC LOAD: NB24 (MUNICIPAL ROADS AND STREETS, DISTRICT ROADS)

LEGEND		
	CLASS	25D
	CLASS	50D
	CLASS	75D

## \*SOIL TYPE 2: SLIGHTLY COHESIVE (SAND AND GRAVEL) TRAFFIC LOAD: NB36 (NATIONAL HIGHWAYS AND ROADS, REGIONAL ROADS)

CLASS A BEDDING (UNREINFORCED)

CLASS													
PIPE Dia.	DEPTH OF COVER (m)												
(mm)	0,50	1,00	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6	
450												$\mathbb{Z}$	
525												$\mathbb{Z}$	
600													
675												$\bigotimes$	
750												$\bigotimes$	
825												$\bigotimes$	
900												$\bigotimes$	
1050												$\bigotimes$	
1200												$\bigotimes$	
1350												$\bigotimes$	
1500												$\bigotimes$	
1650												$\bigotimes$	
1800												$\bigotimes$	

### \* SOIL TYPE 2: SLIGHTLY COHESIVE (SAND AND GRAVEL) TRAFFIC LOAD: NB24 (MUNICIPAL ROADS AND STREETS, DISTRICT ROADS)

LEGEND		
	CLASS	50D
	CLASS	75D
	CLASS	100D

# \*SOIL TYPE 2: SLIGHTLY COHESIVE (SAND AND GRAVEL) TRAFFIC LOAD: NB36 (NATIONAL HIGHWAYS AND ROADS, REGIONAL ROADS)

CLASS	B BEDI	DING											
PIPE Dia.	DEPTH OF COVER (m)												
(mm)	0,50	1,00	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	e	
450												$\overline{V}$	
525												$\overline{\mathbb{Z}}$	
600												$\overline{\mathbb{Z}}$	
675													
750													
825													
900													
1050													
1200												燹	
1350												▓	
1500												▓	
1650												▓	
1800												▓	

1.	G	GENER	ENERAL						
1.	1	THE	DESIGN	CHARTS	S AF	RE BAS	ED	ON	
		THE	REQUIRE	EMENTS	OF	SABS	010	)2— <sup>-</sup>	1 9

- EMENTS OF SABS 0102-1987: PART I AND PART II. 1.2 A UNIT WEIGHT OF FILL MATERIAL OF
- $20 \text{ kN/m}^2 \text{ WAS USED.}$
- 1.3 THE SOIL TYPE AND PROPERTIES REFER
- TO TABLE 2 IN SABS 0102:PART I-1987. 1.4 THE TRENCH WIDTHS USED ARE IN AC-
- CORDANCE WITH THE REQUIREMENTS IN PA-RAGRAPH 04.01 OF SECTION 201:GENERAL OF THE 'STANDARD SPECIFICATIONS FOR MUNI-CIPAL CIVIL ENGINEERING WORKS, 3rd EDITION, 2005.

	NOTES AND SPECIFICATIONS				
6,00 LEGEND CLASS 50D CLASS 75D					
6,00 LEGEND CLASS 50D CLASS 75D CLASS 100D					
	AMENDMENTS         NR.       DATE       APPROVED       DESCRIPTION         Image: Colspan="2">Image: Colspan="2">DESCRIPTION         Image: Colspan="2">Image: Colspan="2">DATE:         Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Colspan="2">Image: Colspan="2">Image: Colspan="2"         Image: Colspan="2">Image: Colspan="2"       Image: Colspan="2"       Image: Colspan="2"       Image: Colspan="2"       Image: Colspan="2"       Image: Colspan="2"				
	INTERIM DATE DATE DATE DATE DATE DATE DATE DATE				
	DATE:				
	CLASS SELECTION FOR RIGID BURIED PIPES IN TRENCH CONDITIONS         CONTRACT NO. :         DATE :         FEBRUARY 2017         AS SHOWN         PRUSED NO. :         DRAWING NO.         PLN003				