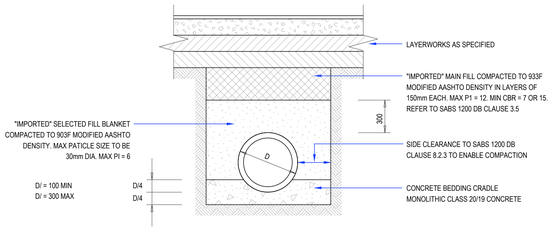
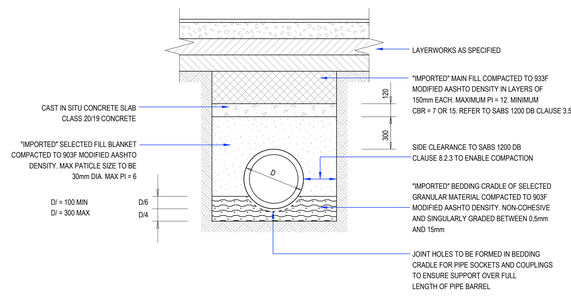
NOTE:
IF MATERIAL FROM TRENCH EXCAVATIONS IS
NOT SUITABLE FOR THE FILL BLANKET AND
MAIN FILL PLEASE STATE ON DRAWING: "IMPORTED".



TYPE 1
CLASS A BEDDING FOR PIPES SUBJECT TO
TRAFFIC LOADS (UNDER ROADS AND PARKING AREAS)
SCALE 1:20

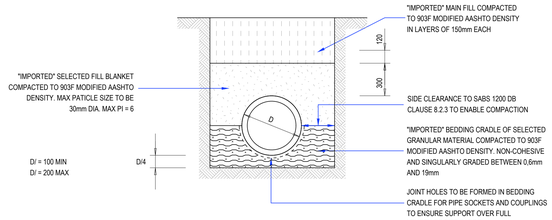
NOTE:
IF MATERIAL FROM TRENCH EXCAVATIONS IS
NOT SUITABLE FOR THE BEDDING CRADLE, FILL
BLANKET OR MAIN FILL STATE ON DWG: "IMPORTED".



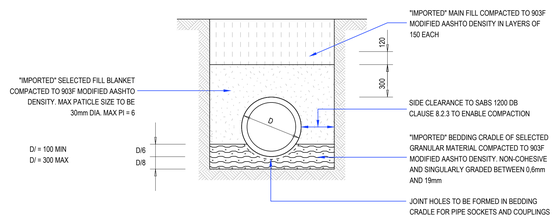
TYPE 2
CLASS A BEDDING FOR PIPES SUBJECT TO
TRAFFIC LOADS (UNDER ROADS AND PARKING AREAS)
SCALE 1:20

NOTES:

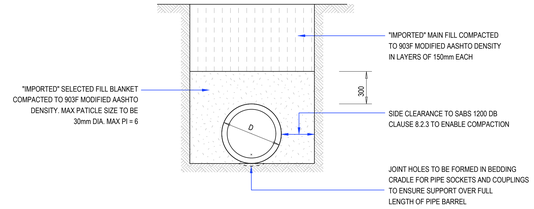
1. IF MATERIAL FROM TRENCH EXCAVATIONS IS NOT SUITABLE FOR THE BEDDING CRADLE, AND BLANKET STATE ON DWG:"IMPORTED".
2. IF CLASS B BEDDING IS TO BE USED UNDER ROADS AND PARKING AREAS THE MAIN FILL SHALL COMPLY TO SABS 1200 DB CLAUSE 3.3 AND STATE "IMPORTED" ON DRAWING IF APPLICABLE.



CLASS B BEDDING
SCALE 1:20



CLASS C BEDDING
SCALE 1:20



CLASS D BEDDING
SCALE 1:20

PIPE Dia.	TRENCH WIDTH
300 / 375	750
450	850
525	925
600	1000
675	1575
750	1650
825	1725

PIPE Dia.	TRENCH WIDTH
900	1800
1050	1950
1200	2100
1350	2250
1500	2400
1650	2550
1800	2700

TRENCH NOTES

1. THE TRENCH WIDTHS USED ARE IN ACCORDANCE WITH THE THE FOLLOWING:

W = B + 2S

WHERE:
S - THE WORKING SPACE ON EACH SIDE OF THE PIPE OR CULVERT
B - THE OUTSIDE DIMENSIONS OF THE PIPE OR CULVERT
W - THE AUTHORISED WIDTH

AUTHORISED TRENCH WIDTHS

NOTES

1. DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.
3. ALL LEVELS ARE IN METERS TO MEAN SEA LEVEL.
4. DRAWINGS MUST BE READ IN CONJUNCTION WITH PROJECT SPECIFICATIONS AND GENERAL NOTES DRAWINGS.
5. IF APPLICABLE, DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS AND ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.

LOCALITY



LEGEND

SYMBOL	DESCRIPTION

NO	DESCRIPTION	BY	CHKD	APPD	DATE
E2	FOR TENDER	RR	HVDM	HVDM	18 07 25
E1	FOR TENDER	RR	HVDM	HVDM	26 06 25

REVISIONS

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ZUTARI
IMPACT. ENGINEERED.

CONTRACTOR / CONSULTANT

TITLE	NAME	SIGN	DATE
DRAWN	W. BOTES		18 07 25
CHECKED	H. VAN DER MERWE		18 07 25
DESIGNED	R. RANGE		18 07 25
CHECKED	H. VAN DER MERWE		18 07 25

PR.ENG. / PR.TECH./PR. ARCH

NAME	H. VAN DER MERWE	DATE
SIGNATURE		18 07 25
REG. NUMBER	201270225	
TITLE	Pr. TechENG	

TRANSNET NATIONAL PORTS AUTHORITY

TITLE	NAME	SIGN	DATE
DRAWN			
CHECKED			
DESIGNED			
CHECKED			

PR.ENG. / PR.TECH./PR. ARCH

NAME	DATE
SIGNATURE	
REG. NUMBER	
SCALE	AS SHOWN

TRANSNET
Transnet National Ports Authority
TRANSNET SOC Ltd . REG No. 1990/000900/30
NEWARK ROAD
RICHARDS BAY TEL: 035 788 0067
PO BOX 181, RICHARDS BAY 3900, SOUTH AFIRCA

PROJECT / AREA / ASSET / SUBJECT/DRAWING TITLE

PORT OF RICHARDS BAY

PORT ROADS REHABILITATION & UPGRADE
(REPAIRS TO PORT ROADS)
ROAD DRAINAGE
PIPE TRENCHING DETAILS

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-14-VT-CC-D004	T2