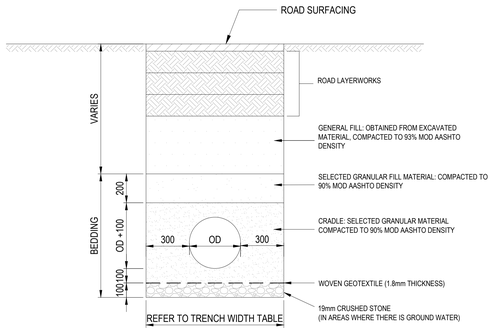
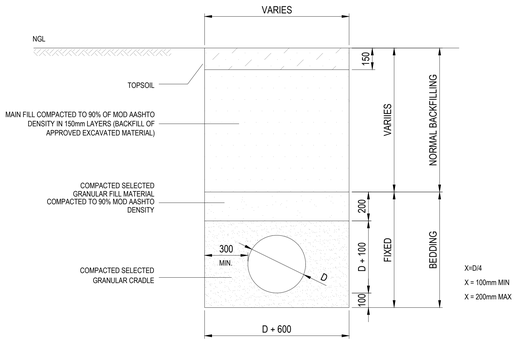
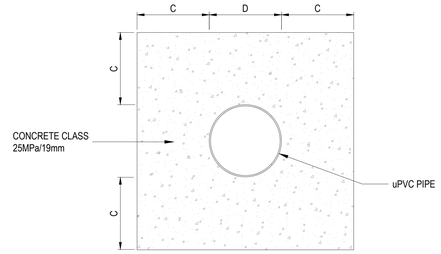


TYPICAL FLEXIBLE PIPE
TRENCH AND BEDDING DETAIL
1:20
(UNDER ROADS)



TYPICAL FLEXIBLE PIPE
TRENCH AND BEDDING DETAIL
1:20
(GENERAL AREAS)



TYPICAL CONCRETE
ENCASEMENT DETAIL FOR PIPE
1:20

NOTES

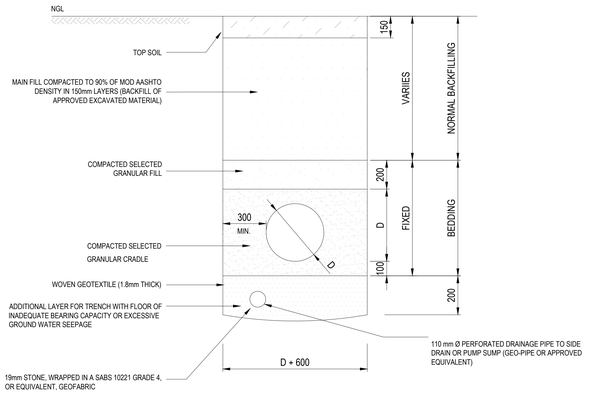
1. DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.
3. ALL LEVELS ARE IN METERS TO MEAN SEA LEVEL.
4. DRAWINGS MUST BE READ IN CONJUNCTION WITH 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

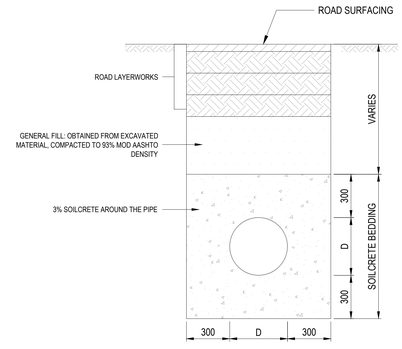


LEGEND

SYMBOL	DESCRIPTION



TYPICAL FLEXIBLE PIPE
TRENCH AND BEDDING DETAIL
1:20
(AREAS WITH EXCESSIVE GROUND WATER)



SOILCRETE BEDDING DETAIL & UNDER
ROAD OR SHALLOW COVER
(ALTERNATIVE TO ENCASEMENT)
1:20

NOMINAL PIPE DIA (mm)	TRENCH BASE WIDTH, W(mm)
≤100mm	700
150mm	750
200mm	800
250mm	850
300mm	900

NOTE:

CONCRETE ENCASEMENT TO BE USED WHERE PIPE COVER AT ROAD CROSSINGS IS LESS THAN 500mm AND WHERE SERVICES CROSS EACH OTHER AT LESS THAN 300mm CLEARANCE.

PIPE DIA (mm)	DIMENSION C (mm)
≤100mm Ø	300
150mm Ø	300
200mm Ø	300
250mm Ø	300
300mm Ø	300

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	I. SEBOLA		18 07 25
CHECKED	H. VAN DER MERWE		18 07 25
DESIGNED	I. SEBOLA		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	201270220	
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)
WATER BEDDING DETAILS

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-20-NW-CC-D001	T2