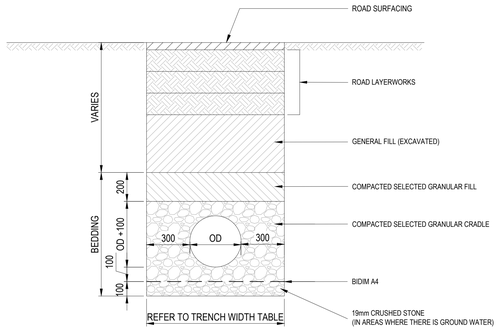
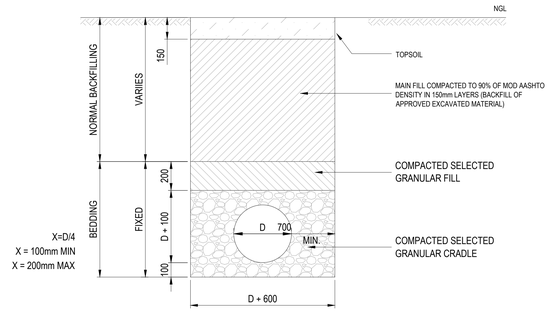
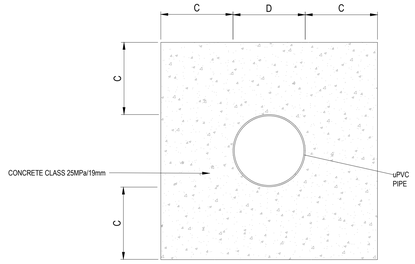


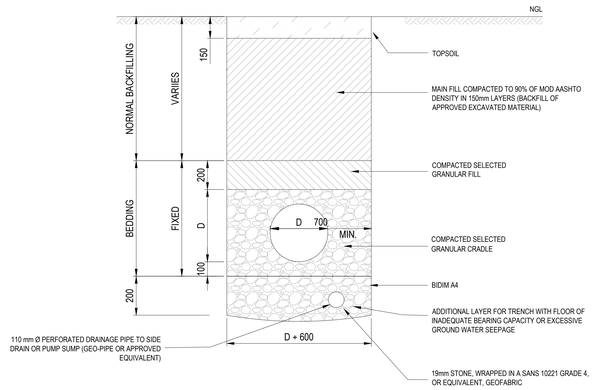
TYPICAL FLEXIBLE PIPE
TRENCH AND BEDDING DETAIL
SCALE 1:15
(UNDER ROADS)



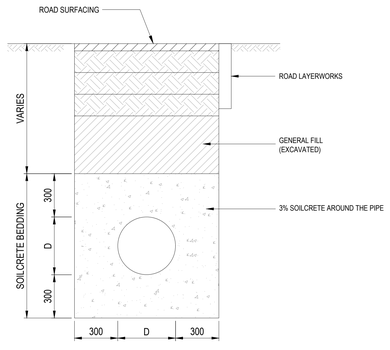
TYPICAL FLEXIBLE PIPE
TRENCH AND BEDDING DETAIL
SCALE 1:15
(GENERAL AREAS)



TYPICAL CONCRETE ENCASEMENT
DETAIL FOR PIPE
SCALE: NTS



TYPICAL FLEXIBLE PIPE
TRENCH AND BEDDING DETAIL
SCALE 1:15
(AREAS WITH EXCESSIVE GROUND WATER)



SOILCRETE BEDDING DETAIL
& UNDER ROAD OR SHALLOW COVER
SCALE 1:15

NOMINAL PIPE DIA (mm)	TRENCH BASE WIDTH, W(mm)
100mm	700
150mm	750
200mm	800
250mm	850
300mm	900
400mm	1000

PIPE DIA (mm)	DIMENSION C (mm)
<100mm Ø	300
100mm Ø	300
150mm Ø	300
200mm Ø	300
250mm Ø	300
300mm Ø	300
350mm Ø	300

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	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	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
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PROJECT / AREA / ASSET / SUBJECT/DRAWING TITLE

PORT OF RICHARDS BAY

PORT ROADS REHABILITATION & UPGRADE
(REPAIRS TO PORT ROADS)
SERVICE DUCT TYPICAL DETAILS

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-20-UR-CC-D005	T2