H.SCALE 1:200
V.SCALE 1:200
DATUM = 8



FINISHED	9.621	9.610				9.876	9.586		
GROUND				9.670					
OFFSET	-8.829	-6.657		0.000		6.657	9.334		

CHAINAGE 0+120

H.SCALE 1:200
V.SCALE 1:200
DATUM = 7



FINISHED	8.774	8.577				8.873	8.889		
GROUND				8.743					8.660
OFFSET	-9.398	-7.400		0.000		7.400	9.674		15.000

CHAINAGE 0+100

H.SCALE 1:200
V.SCALE 1:200
DATUM = 6



FINISHED	7.644	7.560				7.856	7.910		
GROUND				7.679					7.894
OFFSET	-9.467	-7.400		0.000		7.400	9.731		15.000

CHAINAGE 0+080

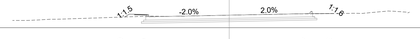
H.SCALE 1:200
V.SCALE 1:200
DATUM = 6



FINISHED	7.097	6.674				6.970	7.090		
GROUND				6.844					7.100
OFFSET	-9.539	-7.400		0.000		7.400	9.830		15.000

CHAINAGE 0+060

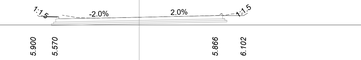
H.SCALE 1:200
V.SCALE 1:200
DATUM = 5



FINISHED		5.989	6.011			6.307	6.306		
GROUND	5.869			6.153					6.626
OFFSET	-15.000	-9.457	-7.400	0.000		7.400	9.652		15.000

CHAINAGE 0+040

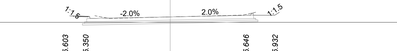
H.SCALE 1:200
V.SCALE 1:200
DATUM = 5



FINISHED	5.900	5.570				5.866	6.102		
GROUND				5.712					
OFFSET	-9.399	-7.400		0.000		7.400	10.004		

CHAINAGE 0+020

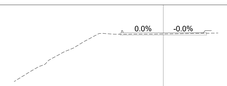
H.SCALE 1:200
V.SCALE 1:200
DATUM = 5



FINISHED	5.603	5.350				5.646	5.932		
GROUND				5.497					
OFFSET	-9.284	-7.400		0.000		7.400	10.079		

CHAINAGE 0+000

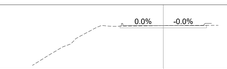
H.SCALE 1:200
V.SCALE 1:200
DATUM = 9



FINISHED	14.418	14.418				14.418	14.418		
GROUND				14.312					
OFFSET	-3.899	-3.700		0.000		3.700	4.400		

CHAINAGE 0+260

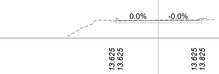
H.SCALE 1:200
V.SCALE 1:200
DATUM = 10



FINISHED	14.084	14.084				14.084	14.084		
GROUND				14.081					
OFFSET	-3.899	-3.700		0.000		3.700	4.400		

CHAINAGE 0+240

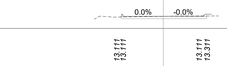
H.SCALE 1:200
V.SCALE 1:200
DATUM = 12



FINISHED	13.625	13.625				13.625	13.625		
GROUND				13.652					
OFFSET	-3.899	-3.700		0.000		3.700	4.400		

CHAINAGE 0+220

H.SCALE 1:200
V.SCALE 1:200
DATUM = 12



FINISHED	13.111	13.111				13.111	13.111		
GROUND				13.116					
OFFSET	-3.899	-3.700		0.000		3.700	4.400		

CHAINAGE 0+200

H.SCALE 1:200
V.SCALE 1:200
DATUM = 12



FINISHED	12.464	12.464				12.464	12.464		
GROUND				12.406					
OFFSET	-3.899	-3.700		0.000		3.700	4.400		

CHAINAGE 0+180

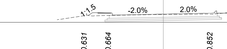
H.SCALE 1:200
V.SCALE 1:200
DATUM = 11



FINISHED	11.679	11.679				11.679	11.679		
GROUND				11.648					
OFFSET	-3.899	-3.700		0.000		3.700	4.400		

CHAINAGE 0+160

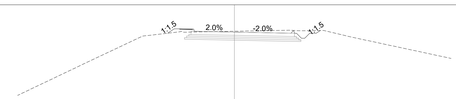
H.SCALE 1:200
V.SCALE 1:200
DATUM = 10



FINISHED	10.631	10.664				10.852	11.028		
GROUND				10.721					
OFFSET	-6.925	-4.686		0.000		4.686	7.228		

CHAINAGE 0+140

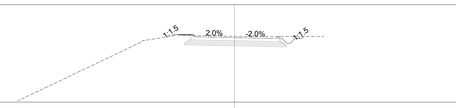
H.SCALE 1:200
V.SCALE 1:200
DATUM = 7



FINISHED		13.378	13.556			13.377	13.628		
GROUND	10.024			13.561					12.123
OFFSET	-15.000	-6.161	-3.700	0.000		5.244	7.934		15.000

CHAINAGE 0+380

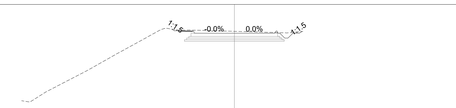
H.SCALE 1:200
V.SCALE 1:200
DATUM = 8



FINISHED		14.103	14.028			13.876	14.084		
GROUND	10.493			14.078					
OFFSET	-15.000	-5.782	-3.700	0.000		3.897	6.476		

CHAINAGE 0+360

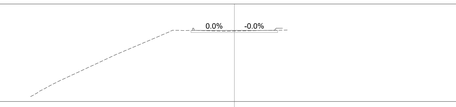
H.SCALE 1:200
V.SCALE 1:200
DATUM = 7



FINISHED		14.719	14.341			14.341	14.508		
GROUND	10.160			14.516					
OFFSET	-15.000	-5.771	-3.700	0.000		3.700	6.251		

CHAINAGE 0+340

H.SCALE 1:200
V.SCALE 1:200
DATUM = 8



FINISHED		14.588	14.588			14.588	14.798		
GROUND	10.440			14.510					
OFFSET	-15.000	-3.899	-3.700	0.000		3.700	4.400		

CHAINAGE 0+320

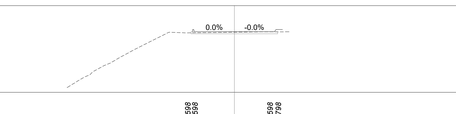
H.SCALE 1:200
V.SCALE 1:200
DATUM = 8



FINISHED		14.635	14.635			14.635	14.635		
GROUND	10.208			14.590					
OFFSET	-15.000	-3.899	-3.700	0.000		3.700	4.400		

CHAINAGE 0+300

H.SCALE 1:200
V.SCALE 1:200
DATUM = 9



FINISHED		14.588	14.588			14.588	14.798		
GROUND	9.705			14.544					
OFFSET	-15.000	-3.899	-3.700	0.000		3.700	4.400		

CHAINAGE 0+280

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

This Document including all design and information thereon is Confidential Intellectual Property of Transnet Copyright and all other rights are reserved by Transnet. This Document may only be used for its intended purpose.

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	1:200

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)
URANIA ROAD CROSS SECTIONS
CH 0.00 TO 380 SHEET 1 OF 3

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-09-UR-CC-X001	T2