H.SCALE 1:200
V.SCALE 1:200

DATUM = 5



FINISHED	5.977	9.326		8.958	8.512	
GROUND		6.911	8.862			7.305
OFFSET	-18.218	-15.000	-11.000	0.000	7.400	10.369	15.000

CHAINAGE 0+500

H.SCALE 1:200
V.SCALE 1:200

DATUM = 5

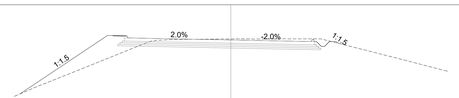


FINISHED	5.379	10.169		9.791	9.457	
GROUND		7.138	9.942			8.269
OFFSET	-20.363	-15.000	-11.000	0.000	7.400	10.201	15.000

CHAINAGE 0+480

H.SCALE 1:200
V.SCALE 1:200

DATUM = 5



FINISHED	5.769	10.945		10.606	10.439	
GROUND		7.596	10.853			9.158
OFFSET	-19.481	-15.000	-9.531	0.000	7.400	9.951	15.000

CHAINAGE 0+460

H.SCALE 1:200
V.SCALE 1:200

DATUM = 5

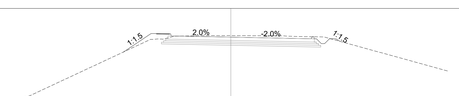


FINISHED	7.478	11.701		11.403	11.431	
GROUND		7.946	11.684			9.975
OFFSET	-16.042	-15.000	-7.518	0.000	7.400	9.742	15.000

CHAINAGE 0+440

H.SCALE 1:200
V.SCALE 1:200

DATUM = 6

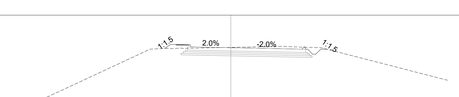


FINISHED	10.963	12.454		12.196	11.963	
GROUND		8.597	12.467			10.601
OFFSET	-15.000	-9.933	-5.506	0.000	7.400	10.049	15.000

CHAINAGE 0+420

H.SCALE 1:200
V.SCALE 1:200

DATUM = 7

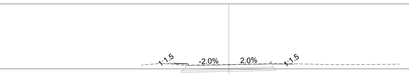


FINISHED	12.926	13.072		12.866	12.848	
GROUND		9.351	13.028			11.281
OFFSET	-15.000	-6.113	-3.700	0.000	6.592	8.916	15.000

CHAINAGE 0+400

H.SCALE 1:200
V.SCALE 1:200

DATUM = 5



FINISHED	5.462	5.296		5.444	5.468	
GROUND			5.406			5.425
OFFSET	-5.646	-3.700	0.000	3.700	5.987	15.000

CHAINAGE 0+640

H.SCALE 1:200
V.SCALE 1:200

DATUM = 4

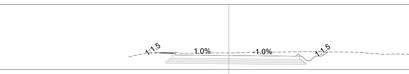


FINISHED	5.310	5.218		5.218	5.327	
GROUND			5.173			
OFFSET	-5.756	-3.700	0.000	3.700	6.114	

CHAINAGE 0+620

H.SCALE 1:200
V.SCALE 1:200

DATUM = 4



FINISHED	5.524	5.338		5.227	5.626	
GROUND			5.526			5.429
OFFSET	-6.862	-4.925	0.000	6.212	9.150	15.000

CHAINAGE 0+600

H.SCALE 1:200
V.SCALE 1:200

DATUM = 5

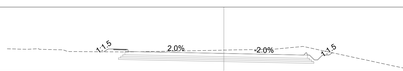


FINISHED	5.879	6.113		5.827	6.171	
GROUND			6.384			5.291
OFFSET	-9.488	-6.916	0.000	7.400	10.215	15.000

CHAINAGE 0+580

H.SCALE 1:200
V.SCALE 1:200

DATUM = 5

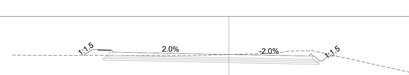


FINISHED	6.872	6.897		6.573	6.783	
GROUND	7.053		7.027			5.710
OFFSET	-15.000	-11.085	-8.829	0.000	7.400	10.016	15.000

CHAINAGE 0+560

H.SCALE 1:200
V.SCALE 1:200

DATUM = 5

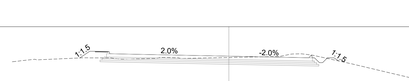


FINISHED	7.402	7.698		7.336	7.376	
GROUND	7.397		7.474			6.216
OFFSET	-15.000	-13.404	-10.739	0.000	7.400	9.761	15.000

CHAINAGE 0+540

H.SCALE 1:200
V.SCALE 1:200

DATUM = 5



FINISHED	8.114	8.500		8.132	7.834	
GROUND	8.060		8.158			6.707
OFFSET	-15.000	-13.772	-11.000	0.000	7.400	10.147	15.000

CHAINAGE 0+520

H.SCALE 1:200
V.SCALE 1:200

DATUM = 5



FINISHED	5.996	6.135		5.911	5.999	
GROUND	6.012			5.783		5.839
OFFSET	-15.000	-9.803	-7.400	0.000	3.836	6.803	15.000

CHAINAGE 0+780

H.SCALE 1:200
V.SCALE 1:200

DATUM = 5



FINISHED	5.929	5.889		5.964	5.577	
GROUND	6.093		5.727			
OFFSET	-15.000	-9.534	-7.400	0.000	3.755	6.585	

CHAINAGE 0+760

H.SCALE 1:200
V.SCALE 1:200

DATUM = 5

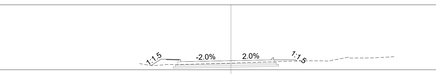


FINISHED	5.712	5.756		5.964	5.614	
GROUND			5.612			6.116
OFFSET	-8.986	-6.714	0.000	3.700	6.476	15.000

CHAINAGE 0+740

H.SCALE 1:200
V.SCALE 1:200

DATUM = 5



FINISHED	5.391	5.749		5.915	5.610	
GROUND			5.609			6.198
OFFSET	-7.361	-4.615	0.000	3.700	6.108	15.000

CHAINAGE 0+720

H.SCALE 1:200
V.SCALE 1:200

DATUM = 5

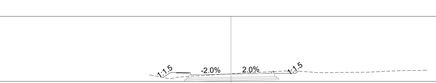


FINISHED	5.447	5.713		5.861	6.032	
GROUND			5.705			6.197
OFFSET	-6.292	-3.700	0.000	3.700	6.208	15.000

CHAINAGE 0+700

H.SCALE 1:200
V.SCALE 1:200

DATUM = 5



FINISHED	5.356	5.601		5.749	5.950	
GROUND			5.703			5.961
OFFSET	-6.261	-3.700	0.000	3.700	6.253	15.000

CHAINAGE 0+680

H.SCALE 1:200
V.SCALE 1:200

DATUM = 5

FINISHED	5.531	5.449		5.597	5.755	
GROUND			5.644			5.602
OFFSET	-5.771	-3.700	0.000	3.700	6.168	15.000

CHAINAGE 0+660

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	20127022 5	
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 AFRICA

PROJECT / AREA / ASSET / SUBJECT/DRAWING TITLE

PORT OF RICHARDS BAY

PORT ROADS REHABILITATION & UPGRADE
(REPAIRS TO PORT ROADS)
URANIA ROAD CROSS SECTIONS
CH 480 TO 780 SHEET 2 OF 3

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-09-UR-CC-X002	T2