COORDINATES			
POINT	Y	X	LEVEL(m)
FLR57	-100303.441	3185815.379	10.119
FLR58	-100296.092	3185813.083	9.967
FLR59	-100314.328	3185818.764	10.342
FLR60	-100303.775	3185815.486	10.126
FLR61	-100305.649	3185814.541	10.216
FLR62	-100306.634	3185816.395	10.185
FLR63	-100294.317	3185818.841	9.718
FLR64	-100302.021	3185821.205	9.880
FLR65	-100304.889	3185822.085	9.940
FLR66	-100312.585	3185824.446	10.097
FLR67	-100288.424	3185837.953	8.885
FLR68	-100296.158	3185840.326	9.047
FLR69	-100299.026	3185841.206	9.107
FLR70	-100306.722	3185843.567	9.264
FLR71	-100304.878	3185849.001	9.000
FLR72	-100297.185	3185847.209	8.845
FLR73	-100294.981	3185844.162	8.880
FLR74	-100294.460	3185846.369	8.789
FLR75	-100286.579	3185843.939	8.624
FLR76	-100306.869	3185872.234	8.032
FLR77	-100324.300	3185886.839	7.402
FLR78	-100333.205	3185858.505	4.708
FLR79	-100322.537	3185894.855	7.569
FLR80	-100312.261	3185895.077	7.485
FLR81	-100309.809	3185902.902	7.268
FLR82	-100292.043	3185904.056	6.826
FLR83	-100279.668	3185916.855	6.131
FLR84	-100298.222	3185890.676	7.365
FLR85	-100297.891	3185889.966	7.380
FLR86	-100298.576	3185889.585	7.400
FLR87	-100298.460	3185890.143	7.383
FLR88	-100309.450	3185885.288	7.612
FLR89	-100295.717	3185880.983	7.642
FLR90	-100295.553	3185880.671	7.652
FLR91	-100295.571	3185880.861	7.645
FLR92	-100295.792	3185880.744	7.652
FLR93	-100298.601	3185870.731	8.062
FLR94	-100299.066	3185870.378	8.080
FLR95	-100299.549	3185870.708	8.068
FLR96	-100299.079	3185870.878	8.058

COORDINATES			
POINT	Y	X	LEVEL(m)
FLR97	-100302.178	3185876.365	7.898
FLR98	-100293.162	3185860.327	8.283
FLR99	-100291.299	3185859.755	8.244
FLR100	-100289.953	3185859.342	8.216
FLR101	-100282.539	3185857.041	8.062
FLR102	-100287.618	3185875.341	7.628
FLR103	-100287.897	3185875.911	7.619
FLR104	-100288.472	3185873.622	7.645
FLR105	-100284.067	3185878.457	7.422
FLR106	-100276.650	3185876.141	7.269
FLR107	-100278.107	3185897.548	6.661
FLR108	-100270.757	3185896.253	6.506
FLR109	-100278.871	3185918.739	6.055
FLR110	-100272.147	3185916.639	5.915
FLR111	-100264.799	3185914.344	5.761
FLR112	-100271.042	3185937.246	5.313
FLR113	-100266.186	3185935.730	5.269
FLR114	-100260.957	3185926.644	5.342
FLR115	-100260.029	3185935.826	5.196
FLR116	-100259.100	3185945.007	5.180
FLR117	-100262.897	3185946.266	5.181
FLR118	-100266.694	3185947.525	5.181
FLR119	-100268.704	3185930.851	5.417
FLR120	-100268.514	3185930.934	5.411
FLR121	-100268.423	3185930.748	5.414
FLR122	-100268.566	3185930.793	5.416
FLR123	-100269.811	3185928.232	5.515
FLR124	-100270.919	3185925.612	5.612
FLR125	-100270.846	3185925.419	5.615
FLR126	-100270.649	3185925.482	5.607
FLR127	-100272.780	3185925.554	5.609
FLR128	-100269.749	3185927.130	5.542
FLR129	-100269.334	3185927.986	5.510
FLR130	-100269.006	3185928.880	5.479
FLR131	-100288.044	3185875.486	7.637

TRAFFIC SIGNAL SLEEVE SETTING OUT POINTS		
POINT	Y	X
TRAFF177	-100276.424	3185867.892
TRAFF178	-100289.121	3185871.823
TRAFF179	-100288.343	3185873.769
TRAFF180	-100299.008	3185877.020
TRAFF181	-100301.754	3185876.399
TRAFF182	-100308.667	3185869.952
TRAFF183	-100306.586	3185883.549
TRAFF184	-100304.494	3185892.125
TRAFF185	-100303.087	3185891.783
TRAFF186	-100299.630	3185906.016
TRAFF187	-100265.544	3185903.331
TRAFF188	-100285.706	3185910.547

SLEEVES SETTING OUT POINT		
POINT	Y	X
FSL9	-100283.413	3185845.316
FSL10	-100306.045	3185852.698
FSL11	-100316.860	3185879.439
FSL12	-100310.383	3185909.182
FSL13	-100285.032	3185912.430
FSL14	-100264.871	3185905.212
FSL15	-100265.425	3185959.861
FSL16	-100254.451	3185955.947

X 3185800

X 3185900

Y -100200

Y -100300

Y -100400



PLAN
SCALE 1:250

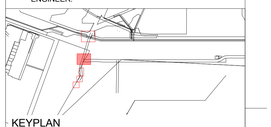
REFERENCE DRAWINGS :

1006614-DRG-09-UR-CC-L001	URANIA ROAD LONGSECTION CH 0 TO CH 400 SHEET 1 OF 3
1006614-DRG-09-UR-CC-L002	URANIA ROAD LONGSECTION CH 400 TO CH 800 SHEET 2 OF 3
1006614-DRG-09-UR-CC-U001	URANIA ROAD SETTING OUT LAYOUT SHEET 1 OF 2
1006614-DRG-09-UR-CC-U002	URANIA ROAD SETTING OUT LAYOUT SHEET 2 OF 2
1006614-DRG-12-UR-CC-U001	URANIA ROAD PAVEMENT LAYOUT SHEET 1 OF 4
1006614-DRG-12-UR-CC-U002	URANIA ROAD PAVEMENT LAYOUT SHEET 2 OF 4
1006614-DRG-12-UR-CC-U003	URANIA ROAD PAVEMENT LAYOUT SHEET 3 OF 4
1006614-DRG-12-UR-CC-U004	URANIA ROAD PAVEMENT LAYOUT SHEET 4 OF 4
1006614-DRG-13-UR-CC-U001	URANIA ROAD SIGNAGE LAYOUT PLAN SHEET 1 OF 2
1006614-DRG-13-UR-CC-U002	URANIA ROAD SIGNAGE LAYOUT PLAN SHEET 2 OF 2
1006614-DRG-00-UR-CC-D001	RAIL CROSSING DETAIL
1006614-DRG-00-UR-CC-D002	BRIDGE INTERFACE DETAIL
1006614-DRG-09-UR-CC-D001	TYPICAL ROAD SECTIONS 1
1006614-DRG-09-UR-CC-D002	TYPICAL ROAD SECTIONS 2
1006614-DRG-09-UR-CC-D003	KERBING DETAILS 1
1006614-DRG-09-UR-CC-D004	KERBING DETAILS 2
1006614-DRG-09-UR-CC-D005	SIDEWALK DETAILS
1006614-DRG-09-UR-CC-D006	GUARDRAIL DETAILS: ARMCO
1006614-DRG-10-UR-CC-D001	ACCOMMODATION OF TRAFFIC DETAILS SHEET 1 OF 3
1006614-DRG-10-UR-CC-D002	ACCOMMODATION OF TRAFFIC DETAILS SHEET 2 OF 3
1006614-DRG-10-UR-CC-D003	ACCOMMODATION OF TRAFFIC DETAILS SHEET 3 OF 3
1006614-DRG-12-UR-CC-D001	PAVEMENT LAYERWORKS DETAILS SHEET 1 OF 2
1006614-DRG-12-UR-CC-D002	PAVEMENT JOINT DETAILS
1006614-DRG-13-UR-CC-D001	ROAD MARKINGS SPECIFICATIONS
1006614-DRG-13-UR-CC-D002	ROAD SIGNAGE SPECIFICATIONS

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.

KEYPLAN



LOCALITY



LEGEND

SYMBOL	DESCRIPTION
	PROPOSED ROAD
	EXISTING ROAD
	PROPOSED SIDEWALK/MEDIAN
	PROPOSED GUARD RAIL
	PROPOSED HAND RAIL
	EXISTING FENCE
	PROPOSED RELOCATED FENCE
	EXISTING ROADWAY
	PROPOSED VERTICAL RETAINING WALL
X%	ROAD SLOPE
FLRXXX	FINAL LEVEL ROAD SETTING OUT POINT
	PROPOSED TRAFFIC SLEEVE (2x110mm Ø)
	PROPOSED SLEEVE (3x160mm Ø)
	PROPOSED WATER SLEEVE (1x450mm Ø)
TRAFFXXX	TRAFFIC SLEEVE SETTING OUT POINT
FSLXXX	SLEEVE SETTING OUT POINT
WATERXXX	WATER SLEEVE SETTING OUT POINT

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	0.215277778

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)
SETTING OUT PLAN : URANIA / NEWARK
SHEET 2 OF 5

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-09-UR-CC-I002	T2