COORDINATES

POINT	Y	X	LEVEL(m)
FLR1	-100372.880	3185389.752	
FLR2	-100412.293	3185398.171	6.589
FLR3	-100428.673	3185396.021	6.432
FLR4	-100440.034	3185384.025	5.949
FLR5	-100442.053	3185379.471	5.859
FLR6	-100449.092	3185382.591	5.705
FLR7	-100456.132	3185385.711	5.551
FLR8	-100454.943	3185393.120	5.685
FLR9	-100457.565	3185400.150	5.750
FLR10	-100462.831	3185407.603	
FLR11	-100468.097	3185415.057	
FLR12	-100455.515	3185423.946	
FLR13	-100446.615	3185419.629	6.121
FLR14	-100438.556	3185425.365	6.767
FLR15	-100423.501	3185440.327	7.815
FLR19	-100407.792	3185477.106	9.840
FLR20	-100414.533	3185479.634	9.702
FLR21	-100401.365	3185496.042	10.845
FLR22	-100406.305	3185497.557	10.752
FLR23	-100396.983	3185494.698	10.931
FLR24	-100398.820	3185504.340	11.256
FLR25	-100402.628	3185505.568	11.226
FLR26	-100395.013	3185503.113	11.293
FLR27	-100401.643	3185474.800	9.972
FLR28	-100404.234	3185463.737	9.439
FLR29	-100398.745	3185427.315	
FLR30	-100369.693	3185404.673	
FLR31	-100412.096	3185445.085	8.423
FLR32	-100411.143	3185444.949	8.436
FLR33	-100411.568	3185445.377	8.447

COORDINATES

POINT	Y	X	LEVEL(m)
FLR34	-100411.638	3185444.882	8.423
FLR35	-100404.439	3185424.982	7.573
FLR36	-100390.812	3185408.921	
FLR37	-100413.456	3185413.758	7.043
FLR38	-100419.934	3185418.733	7.260
FLR39	-100420.156	3185426.898	7.448
FLR40	-100432.054	3185421.895	6.891
FLR41	-100432.232	3185421.812	6.883
FLR42	-100432.340	3185421.976	6.884
FLR43	-100431.236	3185426.795	7.067
FLR44	-100429.261	3185431.327	7.279
FLR46	-100423.857	3185441.128	7.832
FLR47	-100423.659	3185441.190	7.842
FLR48	-100423.588	3185440.995	7.837
FLR49	-100427.821	3185431.445	7.337
FLR50	-100432.191	3185421.956	6.888
FLR51	-100423.725	3185441.056	7.834
FLR52	-100355.843	3185452.405	
FLR53	-100417.453	3185374.016	
FLR54	-100469.571	3185391.668	
FLR56	-100411.471	3185423.049	7.483

TRAFFIC SIGNAL SLEEVE SETTING OUT POINTS

POINT	Y	X
TRAFF167	-100439.645	3185382.441
TRAFF168	-100456.300	3185388.515
TRAFF169	-100412.006	3185397.140
TRAFF170	-100408.245	3185414.945
TRAFF171	-100481.601	3185403.657
TRAFF172	-100448.299	3185420.739
TRAFF173	-100399.007	3185433.592
TRAFF174	-100408.980	3185429.063
TRAFF175	-100416.737	3185431.493
TRAFF176	-100434.456	3185439.730

SLEEVES SETTING OUT POINT

POINT	Y	X
FSL1	-100377.560	3185388.626
FSL2	-100372.624	3185410.062
FSL3	-100440.328	3185385.163
FSL4	-100457.034	3185386.635
FSL5	-100462.618	3185405.685
FSL6	-100449.874	3185421.971
FSL7	-100401.507	3185471.017
FSL8	-100417.968	3185477.679



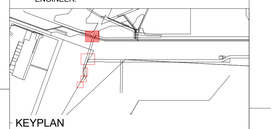
REFERENCE DRAWINGS :

1006614-DRG-09-UR-CC-L001	URANIA ROAD LONGSECTION CH 0 TO CH 400 SHEET 1 OF 3
1006614-DRG-09-UR-CC-U001	URANIA ROAD SETTING OUT LAYOUT SHEET 1 OF 2
1006614-DRG-12-UR-CC-U001	URANIA ROAD PAVEMENT LAYOUT SHEET 1 OF 4
1006614-DRG-12-UR-CC-U003	URANIA ROAD PAVEMENT LAYOUT SHEET 3 OF 4
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

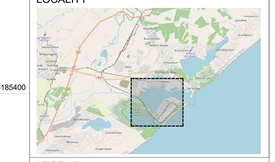
NOTES

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 / NORTH HARBOUR ARTERIAL SHEET 1 OF 5

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-09-UR-CC-I001	T2