COORDINATES			
POINT	Y	X	LEVEL(m)
FLR228	-100898.294	3185895.194	6.165
FLR229	-100898.297	3185887.494	6.321
FLR230	-100898.289	3185906.849	5.897
FLR231	-100917.497	3185916.419	5.651
FLR232	-100925.242	3185936.433	5.406
FLR233	-100925.242	3185937.605	5.396
FLR234	-100932.942	3185937.608	5.551
FLR235	-100940.642	3185937.611	5.707
FLR236	-100950.815	3185913.078	5.662
FLR237	-100975.355	3185902.924	5.602
FLR238	-100975.358	3185895.224	5.757
FLR239	-100975.361	3185887.524	5.913
FLR240	-100959.795	3185886.218	5.840
FLR241	-100959.798	3185887.518	5.995
FLR242	-100939.795	3185886.310	5.946
FLR243	-100939.798	3185887.510	6.101
FLR244	-100932.958	3185886.208	5.982
FLR245	-100932.935	3185887.507	6.137
FLR246	-100919.795	3185886.202	6.052
FLR247	-100919.798	3185887.502	6.207
FLR248	-100914.735	3185906.201	5.846

COORDINATES			
POINT	Y	X	LEVEL(m)
FLR249	-100927.604	3185906.205	5.794
FLR250	-100927.781	3185906.279	5.792
FLR251	-100927.854	3185906.456	5.788
FLR252	-100927.604	3185906.455	5.790
FLR253	-100927.849	3185918.928	5.660
FLR254	-100927.473	3185919.412	5.653
FLR255	-100926.911	3185919.169	5.650
FLR256	-100927.349	3185918.928	5.656
FLR257	-100921.641	3185911.916	5.719
FLR258	-100941.754	3185906.461	5.757
FLR259	-100941.827	3185906.284	5.758
FLR260	-100942.004	3185906.211	5.758
FLR261	-100947.502	3185906.213	5.724
FLR262	-100947.968	3185906.534	5.719
FLR263	-100947.838	3185907.085	5.715
FLR264	-100947.502	3185906.713	5.720
FLR265	-100942.004	3185906.461	5.756
FLR266	-100944.602	3185910.343	5.714
FLR267	-100941.751	3185913.941	5.709
FLR268	-100895.542	3185936.421	
FLR269	-100975.342	3185937.624	

COORDINATES			
POINT	Y	X	LEVEL(m)
FLR536	-100848.171	3185902.875	6.159
FLR537	-100848.174	3185895.175	6.315
FLR538	-100848.177	3185887.475	6.470
FLR539	-100855.037	3185884.637	6.133
FLR540	-100857.881	3185877.779	5.637
FLR541	-100863.481	3185877.781	5.582
FLR542	-100866.319	3185884.641	6.266
FLR543	-100873.177	3185887.485	6.456
FLR544	-100848.181	3185877.775	
FLR545	-100873.181	3185877.785	5.749
FLR546	-100873.177	3185895.185	6.298
FLR547	-100873.177	3185904.516	5.799
FLR548	-100859.795	3185895.180	6.343
FLR549	-100859.792	3185903.273	6.333
FLR550	-100855.541	3185902.878	6.186

TRAFFIC SIGNAL SLEEVE SETTING OUT POINTS		
POINT	Y	X
TRAFF197	-100924.763	3185886.505
TRAFF198	-100924.763	3185907.594
TRAFF199	-100920.723	3185908.919
TRAFF200	-100913.046	3185916.194
TRAFF201	-100926.184	3185912.020
TRAFF202	-100942.327	3185912.020
TRAFF203	-100944.778	3185886.115
TRAFF204	-100944.778	3185907.398
TRAFF205	-100946.412	3185907.916
TRAFF206	-100954.002	3185914.934

SLEEVES SETTING OUT POINT		
POINT	Y	X
FSL45	-100857.063	3185879.118
FSL46	-100864.063	3185879.118
FSL47	-100900.660	3185886.340
FSL48	-100900.660	3185909.654
FSL49	-100943.276	3185933.355
FSL50	-100921.181	3185933.483
FSL51	-100963.887	3185908.694
FSL52	-100963.710	3185886.400

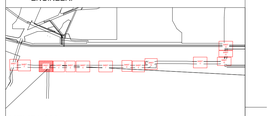
REFERENCE DRAWINGS :

1006614-DRG-08-NW-CC-U002 NEWARK SETTING OUT LAYOUT SHEET 2 OF 9
1006614-DRG-09-NW-CC-L002 NEWARK ROAD LONGSECTION PLAN CH400 - CH800 SHEET 2 OF 11
1006614-DRG-12-NW-CC-U002 NEWARK ROAD PAVEMENT LAYOUT PLAN SHEET 2 OF 18
1006614-DRG-12-NW-CC-U011 NEWARK ROAD PAVEMENT LAYOUT PLAN SHEET 11 OF 18
1006614-DRG-13-NW-CC-U002 NEWARK ROAD SIGNAGE LAYOUT PLAN SHEET 2 OF 9
1006614-DRG-00-NW-CC-D001 RAIL CROSSING DETAIL
1006614-DRG-02-NW-CC-D001 TYPICAL FENCING & GATE DETAILS 1
1006614-DRG-05-NW-CC-D001 BUS BAY & SHELTER DETAILS
1006614-DRG-08-NW-CC-D001 TYPICAL ROAD SECTIONS 1
1006614-DRG-08-NW-CC-D002 TYPICAL ROAD SECTIONS 2
1006614-DRG-08-NW-CC-D003 KERBING DETAILS 1
1006614-DRG-08-NW-CC-D004 KERBING DETAILS 2
1006614-DRG-08-NW-CC-D005 SIDEWALK DETAILS
1006614-DRG-08-NW-CC-D006 GUARDRAIL DETAILS: ARMCO
1006614-DRG-08-NW-CC-D007 BALUSTRADE DETAILS
1006614-DRG-12-NW-CC-D001 PAVEMENT LAYERWORKS DETAILS
1006614-DRG-12-NW-CC-D002 PAVEMENT JOINT DETAILS
1006614-DRG-13-NW-CC-D001 ROAD MARKINGS SPECIFICATIONS
1006614-DRG-13-NW-CC-D002 ROAD SIGNAGE SPECIFICATIONS
1006614-DRG-14-NW-CC-D001 ROAD DRAINAGE : KERB INLET DETAILS
1006614-DRG-14-NW-CC-D002 ROAD DRAINAGE: GRID INLET DETAILS
1006614-DRG-14-NW-CC-D003 ROAD DRAINAGE: JUNCTION BOX DETAILS 1
1006614-DRG-14-NW-CC-D004 ROAD DRAINAGE: JUNCTION BOX DETAILS 2
1006614-DRG-14-NW-CC-D005 ROAD DRAINAGE: PIPE TRENCHING DETAILS
1006614-DRG-14-NW-CC-D006 ROAD DRAINAGE: CHANNEL DETAILS
1006614-DRG-14-NW-CC-D007 ROAD DRAINAGE: PIPE CULVERT INLET / OUTLET DETAILS
1006614-DRG-14-NW-CC-D008 ROAD DRAINAGE: SILT TRAP DETAILS - TYPE 1
1006614-DRG-14-NW-CC-D009 ROAD DRAINAGE: SILT TRAP DETAILS - TYPE 2
1006614-DRG-14-NW-CC-D010 ROAD DRAINAGE: DRAINAGE CHUTE DETAILS
1006614-DRG-14-NW-CC-D011 ROAD DRAINAGE: SUBSOIL DRAINAGE DETAILS

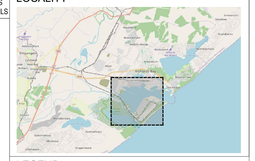
NOTES

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

This Document including all design and information therein 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	201270170	
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)
SETTING OUT PLAN: NEWARK / VENTURA AND NORTHERN ROAD INTERSECTIONS
SHEET 3 OF 14

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-09-NW-CC-I003	T2

PLAN
SCALE 1:250