COORDINATES				COORDINATES			
POINT	Y	X	LEVEL(m)	POINT	Y	X	LEVEL(m)
FLR1746	-102739.793	3185902.424	5.100	FLR1777	-103042.287	3185810.385	5.876
FLR1747	-102739.795	3185896.896	5.232	FLR1778	-103042.287	3185823.795	5.606
FLR1748	-102739.798	3185888.196	5.387	FLR1779	-103042.288	3185832.495	5.431
FLR1749	-102780.568	3185903.037	5.277	FLR1780	-103062.287	3185810.394	5.796
FLR1750	-102779.777	3185896.378	5.432	FLR1781	-103062.287	3185823.794	5.526
FLR1751	-102778.986	3185887.719	5.587	FLR1782	-103062.288	3185832.494	5.351
FLR1752	-102801.631	3185898.703	5.270	FLR1783	-103082.287	3185810.403	5.716
FLR1753	-102799.334	3185891.354	5.425	FLR1784	-103082.287	3185823.793	5.446
FLR1754	-102797.037	3185884.004	5.581	FLR1785	-103082.288	3185832.493	5.271
FLR1755	-102821.413	3185890.271	5.137	FLR1786	-103102.287	3185810.412	5.635
FLR1756	-102817.702	3185883.525	5.292	FLR1787	-103102.287	3185823.792	5.366
FLR1757	-102813.990	3185876.778	5.447	FLR1788	-103102.288	3185832.492	5.191
FLR1758	-102942.288	3185832.498	5.383	FLR1789	-103122.287	3185810.421	5.555
FLR1759	-102942.287	3185823.801	5.558	FLR1790	-103122.287	3185823.791	5.286
FLR1760	-102942.287	3185816.972	5.696	FLR1791	-103122.288	3185832.491	5.111
FLR1761	-102962.288	3185832.498	5.483	FLR1792	-103142.287	3185810.430	5.475
FLR1762	-102962.287	3185823.800	5.658	FLR1793	-103142.287	3185823.790	5.206
FLR1763	-102962.287	3185813.150	5.872	FLR1794	-103142.288	3185832.490	5.031
FLR1764	-102970.627	3185811.555	5.946	FLR1795	-103162.287	3185810.439	5.395
FLR1765	-102976.057	3185810.658	5.991	FLR1796	-103162.287	3185823.788	5.126
FLR1766	-102981.551	3185810.359	6.024	FLR1797	-103162.288	3185832.489	4.951
FLR1767	-102981.530	3185860.659		FLR1798	-103182.287	3185810.448	5.314
FLR1768	-102982.287	3185810.360	6.028	FLR1799	-103182.287	3185823.787	5.046
FLR1769	-102982.287	3185823.799	5.758	FLR1800	-103182.288	3185832.487	4.871
FLR1770	-102982.288	3185832.498	5.583	FLR1801	-103202.287	3185810.457	5.234
FLR1771	-103002.287	3185810.368	6.036	FLR1802	-103202.287	3185823.786	4.966
FLR1772	-103002.287	3185823.797	5.766	FLR1803	-103202.288	3185832.486	4.791
FLR1773	-103002.288	3185832.497	5.591	FLR1804	-103222.287	3185810.466	5.246
FLR1774	-103022.287	3185810.377	5.956	FLR1805	-103222.287	3185823.785	4.978
FLR1775	-103022.287	3185823.796	5.686	FLR1806	-103222.288	3185832.485	4.803
FLR1776	-103022.288	3185832.496	5.511				

REFERENCE DRAWINGS :

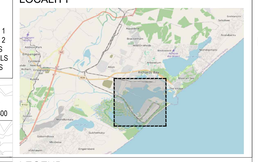
1006614-DRG-09-NW-CC-L007	NEWARK ROAD LONGSSECTION: CH2400 - CH2800
1006614-DRG-09-NW-CC-L008	NEWARK ROAD LONGSECTION: CH2800 - CH3200
1006614-DRG-09-NW-CC-I008	SETTING OUT PLAN: NEWARK / S32 STOCKYARD INTERSECTION
1006614-DRG-09-NW-CC-I009	SETTING OUT PLAN: NEWARK / PETINGO INTERSECTION
1006614-DRG-12-NW-CC-U005	NEWARK ROAD PAVEMENT LAYOUT PLAN SHEET 5 OF 18
1006614-DRG-12-NW-CC-U014	NEWARK ROAD PAVEMENT LAYOUT PLAN SHEET 14 OF 18
1006614-DRG-13-NW-CC-U005	NEWARK ROAD SIGNAGE LAYOUT PLAN SHEET 5 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
1006614-DRG-14-NW-CC-D012	ROAD DRAINAGE: CHANNEL OUTLET 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



INSET 7
SCALE 1:250

INSET 8
SCALE 1:250

WATER SETTING OUT POINT			SLEEVES SETTING OUT POINT		
POINT	Y	X	POINT	Y	X
WATER275	-102802.651	3185878.370	FSL117	-102937.558	3185834.698
WATER276	-102805.040	3185900.569	FSL118	-102937.558	3185817.182

PLAN
SCALE 1:500

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
E2	FOR TENDER	RR	HVDM	HVDM	18 07 25
E1	FOR TENDER	RR	HVDM	HVDM	26 06 25
C	FOR APPROVAL	RR	HVDM	HVDM	04 06 25
B	FOR APPROVAL	RR	HVDM	HVDM	12 05 25
A	FOR INFORMATION	RR	HVDM	HVDM	25 03 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	201270081	
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	1:500

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)
NEWARK SETTING OUT LAYOUT
SHEET 6 OF 9

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
PROJECT DRG. NO.		REV.
1006614-DRG-08-NW-CC-U006		T2