COORDINATES				COORDINATES			
POINT	Y	X	LEVEL(m)	POINT	Y	X	LEVEL(m)
FLR1612	-101759.794	3185899.522	5.013	FLR1648	-102059.794	3185899.637	5.225
FLR1613	-101759.795	3185896.522	5.094	FLR1649	-102059.795	3185896.637	5.306
FLR1614	-101759.798	3185887.822	5.249	FLR1650	-102059.798	3185887.937	5.461
FLR1615	-101779.794	3185899.530	4.969	FLR1651	-102079.794	3185899.644	5.163
FLR1616	-101779.795	3185896.530	5.050	FLR1652	-102079.795	3185896.644	5.244
FLR1617	-101779.798	3185887.830	5.206	FLR1653	-102079.798	3185887.944	5.399
FLR1618	-101799.794	3185899.538	5.003	FLR1654	-102099.794	3185899.652	5.101
FLR1619	-101799.795	3185896.538	5.084	FLR1655	-102099.795	3185896.652	5.182
FLR1620	-101799.798	3185887.838	5.239	FLR1656	-102099.798	3185887.952	5.337
FLR1621	-101819.794	3185899.545	5.043	FLR1657	-102111.433	3185899.656	5.065
FLR1622	-101819.795	3185896.545	5.124	FLR1658	-102111.435	3185896.656	5.146
FLR1623	-101819.798	3185887.845	5.279	FLR1659	-102111.438	3185887.956	5.301
FLR1624	-101839.794	3185899.553	5.083	FLR1660	-102119.794	3185899.660	5.039
FLR1625	-101839.795	3185896.553	5.164	FLR1661	-102119.795	3185896.660	5.120
FLR1626	-101839.798	3185887.853	5.319	FLR1662	-102119.798	3185888.517	5.264
FLR1627	-101859.794	3185899.561	5.123	FLR1663	-102139.794	3185899.667	4.977
FLR1628	-101859.795	3185896.556	5.204	FLR1664	-102139.795	3185896.667	5.058
FLR1629	-101859.798	3185887.861	5.359	FLR1665	-102139.797	3185889.858	5.175
FLR1630	-101879.794	3185899.568	5.163	FLR1666	-102159.794	3185899.675	4.915
FLR1631	-101879.795	3185896.568	5.244	FLR1667	-102159.795	3185896.675	4.996
FLR1632	-101879.798	3185887.868	5.399	FLR1668	-102159.797	3185891.198	5.087
FLR1633	-101899.794	3185899.576	5.203	FLR1669	-102166.941	3185899.678	4.893
FLR1634	-101899.795	3185896.576	5.284	FLR1670	-102166.942	3185896.678	4.974
FLR1635	-101899.798	3185887.876	5.439	FLR1671	-102166.944	3185891.678	5.055
FLR1636	-101919.794	3185899.583	5.243	FLR1672	-102179.794	3185899.682	4.853
FLR1637	-101919.795	3185896.583	5.324	FLR1673	-102179.795	3185896.682	4.934
FLR1638	-101919.798	3185887.883	5.479	FLR1674	-102179.797	3185891.682	5.015
FLR1639	-101939.794	3185899.591	5.283	FLR1675	-102199.794	3185899.690	4.791
FLR1640	-101939.795	3185896.591	5.364	FLR1676	-102199.795	3185896.690	4.872
FLR1641	-101939.798	3185887.891	5.519	FLR1677	-102199.797	3185891.690	4.953
FLR1642	-101959.794	3185899.599	5.323	FLR1678	-102219.794	3185899.698	4.729
FLR1643	-101959.795	3185896.599	5.404	FLR1679	-102219.795	3185896.698	4.810
FLR1644	-101959.798	3185887.899	5.559	FLR1680	-102219.797	3185891.698	4.891
FLR1645	-102039.794	3185899.629	5.287	FLR1681	-102239.794	3185899.705	4.861
FLR1646	-102039.795	3185896.629	5.368	FLR1682	-102239.795	3185896.705	4.942
FLR1647	-102039.798	3185887.929	5.523	FLR1683	-102239.797	3185891.705	5.024

REFERENCE DRAWINGS :

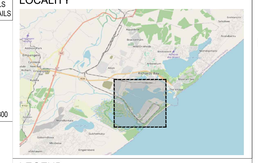
1006614-DRG-08-NW-CC-U001	SETTING OUT PLAN : NEWARK ROAD SHEET 1 OF 9
1006614-DRG-09-NW-CC-I001	SETTING OUT PLAN: NEWARK/ URANIA ROAD INTERSECTION
1006614-DRG-09-NW-CC-I002	SETTING OUT PLAN: NEWARK / SUB-STATION, SANTHOM AND PARKING INTERSECTIONS
1006614-DRG-12-CC-U001	JOINT LAYOUT PLAN 1
1006614-DRG-12-CC-U010	PAVEMENT LAYERWORKS LAYOUT 1
1006614-DRG-13-NW-CC-U001	NEWARK ROAD SIGNAGE LAYOUT PLAN
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 SUPERSOR 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

PORTION 21 OF ERF 5333

RAIL OPERATIONS

CONVEYOR BELT

CONVEYOR BELT

DRY BULK TERMINAL

REMAINDR OF ERF 223
UMHLATUZI No. 16232

SOUTH 32 EXPORT STOCK YARD

REFER TO DRAWING 1006614-DRG-09-NW-CC-I007 FOR SETTING OUT INFORMATION

KERB TYPE 1 / KERB TYPE 2

NEWARK ROAD

HA Winder

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	201270079	
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 4 OF 9

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-08-NW-CC-U004	T2