COORDINATES				COORDINATES				COORDINATES			
POINT	Y	X	LEVEL(m)	POINT	Y	X	LEVEL(m)	POINT	Y	X	LEVEL(m)
FLR1381	-100317.653	3185905.339	7.393	FLR1425	-100527.649	3185889.993	6.743	FLR1469	-100592.175	3185896.790	6.389
FLR1382	-100320.040	3185897.493	7.568	FLR1426	-100527.799	3185889.843	6.746	FLR1470	-100577.039	3185894.441	6.491
FLR1383	-100338.582	3185910.146	7.382	FLR1427	-100527.649	3185889.693	6.749	FLR1471	-100561.828	3185894.119	6.552
FLR1384	-100339.738	3185902.025	7.547	FLR1428	-100527.649	3185889.843	6.746	FLR1472	-100559.727	3185894.160	6.559
FLR1385	-100340.343	3185897.775	7.525	FLR1429	-100502.089	3185906.016	6.487	FLR1473	-100559.354	3185882.011	6.803
FLR1386	-100341.500	3185889.649	7.359	FLR1430	-100501.939	3185905.867	6.490	FLR1474	-100579.382	3185882.644	6.718
FLR1387	-100349.429	3185911.690		FLR1431	-100502.088	3185905.716	6.493	FLR1475	-100593.278	3185883.064	6.660
FLR1388	-100350.353	3185903.542	7.476	FLR1432	-100502.089	3185905.866	6.490	FLR1476	-100577.572	3185908.407	6.210
FLR1389	-100361.474	3185916.176	7.317	FLR1433	-100527.672	3185905.693	6.429	FLR1477	-100593.288	3185906.894	6.183
FLR1390	-100362.047	3185904.490	7.394	FLR1434	-100527.822	3185905.843	6.426	FLR1478	-100600.117	3185906.231	6.172
FLR1391	-100388.581	3185915.866	7.146	FLR1435	-100527.672	3185905.993	6.423	FLR1479	-100599.813	3185896.345	6.371
FLR1392	-100388.121	3185904.175	7.227	FLR1436	-100527.672	3185905.843	6.426	FLR1480	-100599.424	3185883.692	6.625
FLR1393	-100359.859	3185898.331	7.393	FLR1437	-100514.880	3185905.704	6.461	FLR1481	-100619.497	3185885.743	6.512
FLR1394	-100359.757	3185890.128	7.228	FLR1438	-100514.880	3185906.004	6.455	FLR1482	-100619.804	3185895.730	6.311
FLR1395	-100379.750	3185897.500	7.317	FLR1439	-100518.846	3185910.150	6.358	FLR1483	-100620.067	3185904.250	6.138
FLR1396	-100379.427	3185888.306	7.261	FLR1440	-100514.451	3185901.355	6.548	FLR1484	-100635.503	3185902.794	6.113
FLR1397	-100380.485	3185916.185	7.414	FLR1441	-100529.468	3185901.341	6.511	FLR1485	-100639.921	3185902.796	6.097
FLR1398	-100380.025	3185904.494	7.274	FLR1442	-100529.462	3185894.341	6.651	FLR1486	-100639.796	3185895.167	6.251
FLR1399	-100451.263	3185878.418	7.354	FLR1443	-100514.467	3185894.355	6.689	FLR1487	-100639.675	3185887.804	6.399
FLR1400	-100463.805	3185878.418	7.246	FLR1444	-100502.070	3185885.516	6.897	FLR1488	-100659.797	3185889.860	6.297
FLR1401	-100476.348	3185878.418	7.170	FLR1445	-100501.920	3185885.367	6.900	FLR1489	-100659.795	3185895.103	6.191
FLR1402	-100488.348	3185881.067	7.046	FLR1446	-100502.069	3185886.216	6.903	FLR1490	-100659.792	3185902.803	6.035
FLR1403	-100451.079	3185897.900	6.937	FLR1447	-100502.070	3185885.366	6.900	FLR1491	-100672.013	3185891.108	6.235
FLR1404	-100461.147	3185897.713	6.878	FLR1448	-100514.861	3185885.204	6.871	FLR1492	-100672.011	3185895.108	6.154
FLR1405	-100471.215	3185897.526	6.819	FLR1449	-100514.861	3185885.504	6.865	FLR1493	-100672.008	3185902.808	5.999
FLR1406	-100480.608	3185894.745	6.818	FLR1450	-100527.652	3185885.493	6.833	FLR1494	-100679.792	3185902.811	5.975
FLR1407	-100485.088	3185897.397	6.738	FLR1451	-100527.803	3185885.343	6.836	FLR1495	-100679.795	3185895.111	6.131
FLR1408	-100481.783	3185901.420	6.677	FLR1452	-100527.653	3185885.193	6.839	FLR1496	-100679.797	3185891.111	6.212
FLR1409	-100481.711	3185897.992	6.746	FLR1453	-100527.653	3185885.343	6.836	FLR1497	-100699.792	3185902.819	5.915
FLR1410	-100459.907	3185901.848	6.803	FLR1454	-100519.819	3185881.050	6.943	FLR1498	-100699.795	3185895.119	6.071
FLR1411	-100460.064	3185909.909	6.641	FLR1455	-100532.507	3185881.040	6.916	FLR1499	-100699.797	3185891.119	6.152
FLR1412	-100479.934	3185909.965	6.517	FLR1456	-100539.820	3185881.361	6.881	FLR1500	-100715.969	3185902.825	5.867
FLR1413	-100499.846	3185910.146	6.409	FLR1457	-100543.663	3185894.327	6.609	FLR1501	-100715.972	3185895.125	6.022
FLR1414	-100499.434	3185901.369	6.587	FLR1458	-100540.356	3185897.829	6.549	FLR1502	-100715.973	3185891.125	6.103
FLR1415	-100495.971	3185897.850	6.667	FLR1459	-100543.669	3185901.327	6.469	FLR1503	-100719.792	3185902.826	5.855
FLR1416	-100499.471	3185894.369	6.726	FLR1460	-100543.861	3185897.827	6.539	FLR1504	-100719.795	3185895.126	6.011
FLR1417	-100499.471	3185897.869	6.656	FLR1461	-100539.846	3185909.887	6.308	FLR1505	-100719.797	3185890.744	6.100
FLR1418	-100499.819	3185881.067	6.993	FLR1462	-100560.195	3185909.363	6.254	FLR1506	-100739.792	3185902.834	5.795
FLR1419	-100502.067	3185890.016	6.807	FLR1463	-100559.942	3185901.157	6.419	FLR1507	-100739.795	3185895.134	5.961
FLR1420	-100501.917	3185889.867	6.810	FLR1464	-100561.531	3185901.126	6.414	FLR1508	-100739.798	3185888.752	6.080
FLR1421	-100502.066	3185889.716	6.813	FLR1465	-100577.026	3185900.225	6.376	FLR1509	-100752.974	3185887.439	6.089
FLR1422	-100502.067	3185889.866	6.810	FLR1466	-100592.475	3185898.735	6.350	FLR1510	-100752.971	3185895.139	5.934
FLR1423	-100514.858	3185889.704	6.781	FLR1467	-100594.140	3185896.676	6.385	FLR1511	-100752.968	3185902.839	5.778
FLR1424	-100514.858	3185890.004	6.775	FLR1468	-100592.249	3185894.823	6.428				

REFERENCE DRAWINGS :

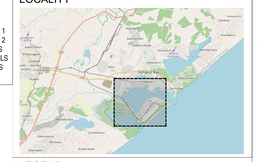
1006614-DRG-09-NW-CC-L001	NEWARK ROAD LONGSSECTION: CH0.000 - CH400
1006614-DRG-09-NW-CC-L002	NEWARK ROAD LONGSSECTION: CH400 - CH800
1006614-DRG-09-NW-CC-I001	SETTING OUT PLAN: NEWARK/ URANIA INTERSECTION
1006614-DRG-09-NW-CC-I002	SETTING OUT PLAN: NEWARK / SUB-STATION SANTHOM AND PARKING INTERSECTIONS
1006614-DRG-12-NW-CC-U001	NEWARK ROAD PAVEMENT LAYOUT PLAN SHEET 1 OF 18
1006614-DRG-12-NW-CC-U010	NEWARK ROAD PAVEMENT LAYOUT PLAN SHEET 10 OF 18
1006614-DRG-13-NW-CC-U001	NEWARK ROAD SIGNAGE LAYOUT PLAN SHEET 1 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
1006614-DRG-20-NW-CC-D006	SERVICE DUCT TYPICAL 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
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	201270076	
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 AFRICA

PROJECT / AREA / ASSET / SUBJECT/DRAWING TITLE

PORT OF RICHARDS BAY

PORT ROADS REHABILITATION & UPGRADE
(REPAIRS TO PORT ROADS)
NEWARK SETTING OUT LAYOUT
SHEET 1 OF 9

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-08-NW-CC-U001	T2

PLAN
SCALE 1:500