COORDINATES				COORDINATES			
POINT	Y	X	LEVEL(m)	POINT	Y	X	LEVEL(m)
FLR1512	-100759.792	3185902.842	5.806	FLR1538	-100979.798	3185887.525	5.889
FLR1513	-100759.795	3185896.142	5.961	FLR1539	-100999.792	3185902.933	5.473
FLR1514	-100759.798	3185887.442	6.116	FLR1540	-100999.795	3185896.233	5.628
FLR1515	-100779.792	3185902.849	5.886	FLR1541	-100999.798	3185887.533	5.783
FLR1516	-100779.795	3185896.149	6.041	FLR1542	-101019.792	3185902.941	5.367
FLR1517	-100779.798	3185887.449	6.196	FLR1543	-101019.795	3185896.241	5.522
FLR1518	-100788.910	3185902.853	5.922	FLR1544	-101019.798	3185887.541	5.677
FLR1519	-100788.913	3185896.153	6.077	FLR1545	-101039.792	3185902.948	5.261
FLR1520	-100788.915	3185887.453	6.233	FLR1546	-101039.795	3185896.248	5.416
FLR1521	-100800.908	3185906.357	6.055	FLR1547	-101039.798	3185887.548	5.571
FLR1522	-100800.913	3185896.157	6.125	FLR1548	-101079.793	3185901.720	5.074
FLR1523	-100803.913	3185896.158	6.137	FLR1549	-101079.795	3185896.263	5.204
FLR1524	-100803.917	3185883.958	6.363	FLR1550	-101079.798	3185887.563	5.359
FLR1525	-100814.447	3185906.362	6.109	FLR1551	-101099.794	3185899.727	5.008
FLR1526	-100814.451	3185896.162	6.180	FLR1552	-101099.795	3185886.371	5.096
FLR1527	-100817.451	3185896.164	6.192	FLR1553	-101099.798	3185887.571	5.254
FLR1528	-100817.455	3185883.964	6.417	FLR1554	-101104.358	3185899.273	4.997
FLR1529	-100827.986	3185906.368	6.163	FLR1555	-101104.360	3185896.273	5.078
FLR1530	-100827.990	3185896.168	6.234	FLR1556	-101104.363	3185887.573	5.233
FLR1531	-100830.990	3185896.169	6.246	FLR1557	-101119.794	3185899.279	4.976
FLR1532	-100830.994	3185883.969	6.471	FLR1558	-101119.795	3185896.279	5.057
FLR1533	-100842.988	3185902.873	6.139	FLR1559	-101119.798	3185887.579	5.213
FLR1534	-100842.990	3185896.173	6.294	FLR1560	-101239.794	3185899.324	4.941
FLR1535	-100842.993	3185887.473	6.449	FLR1561	-101239.795	3185896.324	5.022
FLR1536	-100979.792	3185902.925	5.579	FLR1562	-101239.798	3185887.624	5.177
FLR1537	-100979.795	3185896.225	5.734				

REFERENCE DRAWINGS :

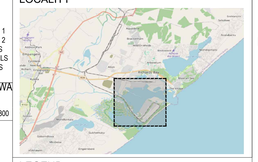
1006614-DRG-09-NW-CC-L003	NEWARK ROAD LONGSECTION: CH400 - CH800
1006614-DRG-09-NW-CC-L004	NEWARK ROAD LONGSECTION: CH800 - CH1200
1006614-DRG-09-NW-CC-I003	SETTING OUT PLAN: NEWARK / VENTURA AND NORTHERN ROAD INTERSECTIONS
1006614-DRG-09-NW-CC-I004	SETTING OUT PLAN: NEWARK / WORKSHOP 5 AND OCTOPUS INTERSECTIONS
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
TL	PROPOSED TRAFFIC SLEEVE (2x110mm Ø)
SL	PROPOSED SLEEVE (3x160mm Ø)
WL	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

This Document including all design and information thereto 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	201270077	
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

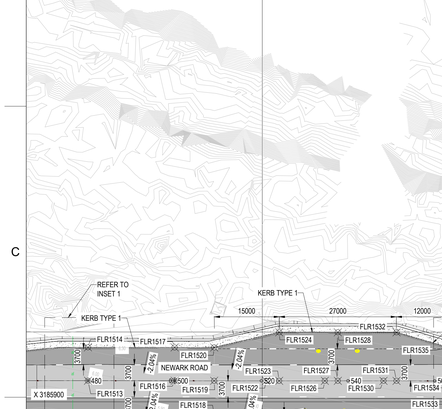
TRANSNET SOC Ltd : REG No. 1990/000900/30
NEWARK ROAD
RICHARDS BAY TEL: 035 788 0067
PO BOX 181, RICHARDS BAY 3900, SOUTH AFIRCA

PROJECT / AREA / ASSET / SUBJECT/DRAWING TITLE

PORT OF RICHARDS BAY

PORT ROADS REHABILITATION & UPGRADE (REPAIRS TO PORT ROADS)
NEWARK SETTING OUT LAYOUT
SHEET 2 OF 9

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-08-NW-CC-U002	T2



INSET 1
SCALE 1:250

SLEEVES SETTING OUT POINT		
POINT	Y	X
FSL43	-100756.283	3185884.872
FSL44	-100756.283	3185906.870

INSET 2
SCALE 1:250

WATER SETTING OUT POINT		
POINT	Y	X
WATER269	-100845.915	3185885.025
WATER270	-100845.911	3185905.074

INSET 3
SCALE 1:250

SLEEVES SETTING OUT POINT		
POINT	Y	X
FSL53	-101034.216	3185906.619
FSL54	-101034.220	3185886.338

PLAN
SCALE 1:500