COORDINATES

POINT	Y	X
W1	-100411.541	3185924.785
W2	-100438.117	3185880.244

REFERENCE DRAWINGS :

1006614-DRG-09-NW-CC-L001 NEWWARK ROAD LONGSECTION: CH0 - CH400
1006614-DRG-09-NW-CC-L002 NEWWARK ROAD LONGSECTION: CH400 - CH800
1006614-DRG-20-NW-CC-D001 WATER BEDDING DETAILS

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

WP 2100m

WP 2100m

FM

X 3185900

Y -100300 Y -100400 Y -100500 Y -100600 Y -100700

PLAN LAYOUT 1: CH0 - CH480
SCALE 1:500

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



COORDINATES

POINT	Y	X
W3	-100852.688	3185886.025
W4	-100852.473	3185904.027
W5	-100857.364	3185880.900
W6	-100864.346	3185881.738
W7	-100918.251	3185917.202
W8	-100947.226	3185917.202
W9	-100918.785	3185917.852
W10	-100946.765	3185917.852
W11	-101171.848	3185885.862
W13	-101192.435	3185902.661
W14	-101217.798	3185902.643
W15	-101222.260	3185902.507
W16	-101216.911	3185908.491
W17	-101217.795	3185903.146
W18	-101201.628	3185914.520
W19	-101209.134	3185914.767
W20	-101214.908	3185914.495
W55	-101055.719	3185885.862
W56	-101067.969	3185885.862
W65	-100929.284	3185885.862
W66	-100852.473	3185917.851
W67	-101096.020	3185917.860
W68	-101096.021	3185902.248
W69	-101088.875	3185885.862
W70	-101089.502	3185885.949
W71	-101239.172	3185885.862
W93	-101128.513	3185902.355
W94	-101138.342	3185902.336
W95	-101156.271	3185902.445
W96	-101166.004	3185902.445
W97	-100852.473	3185898.885

REFERENCE DRAWINGS :

1006614-DRG-09-NW-CC-L002 NEWWARK ROAD LONGSECTION: CH400 - CH800
1006614-DRG-09-NW-CC-L003 NEWWARK ROAD LONGSECTION: CH800 - CH1200
1006614-DRG-20-NW-CC-D003 WATER FITTING SCHEDULE
1006614-DRG-20-NW-CC-D002 WATER VALVE BOX AND MARKER BLOCK DETAILS
1006614-DRG-20-NW-CC-D001 WATER THRUST BLOCK DETAILS
1006614-DRG-20-NW-CC-D001 WATER BEDDING DETAILS

CHAMBER CL:6.20 IL:4.35

WATER MH CL:6.19 IL:4.34

WATER MH CL:6.19 IL:4.34

WL 1.85m

Ø400MM WL STL 1.85m

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

WL 0.75m STL

Ø300MM WL 1.22m

CONNECTION TO EXISTING PIPE

Ø300MM WL 1.50m

EXISTING PIPE TO BE REMOVED. PIPE CLASHES WITH NEW ROADWAY.

CONNECTION TO EXISTING PIPE

Ø300MM WL 1.20m

Ø300MM WL PVC 1.20m

WL 0.75m STL

WL 0.75m STL

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

WATER MH CL:33.35 IL:33.01

WATER MH CL:33.48 IL:33.08

POSSIBLE PIPE CROSSING IN THIS AREA. PIPE TO BE EXPOSED AND ENCASED IN CONCRETE.

EXISTING WATER PIPES TO BE CONNECTED TO THE NEW RELOCATED LINE.

PIPE RUNS ACROSS RAILWAY LINE. PIPE JACKING AND MICRO-TUNNELING PROPOSED.

NEW PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

EXISTING WATER PIPES TO BE CONNECTED TO THE NEW RELOCATED LINE.

WL 0.40m

WL 0.40m

WATER MH CL:5.06 IL:4.19

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

Ø300MM WL 1.20m

Ø300MM WL 0.40m WDP

CONNECTION TO EXISTING PIPE

BRICK CHAMBER WITH MANHOLE TO BE CONSTRUCTED FOR ACCESS TO PIPE CONNECTION.

Ø300MM WL 1.30m

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

NEW PIPE TO BE LAID IN NEW POSITION AS PROPOSED.

300mmØ

300mmØ

WL 0.82m STL

WL 0.82m STL

EXISTING PIPE AND NEW PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

WATER V MH CL:5.45 IL:LOCKED

WATER V MH CL:5.46 IL:LOCKED

300mmØ

CONNECTION TO EXISTING PIPE

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

X 3185900

Y -100800 Y -100900 Y -101000 Y -101100 Y -101200

PLAN LAYOUT 2: CH500 - CH980
SCALE 1:500

LEGEND

SYMBOL	DESCRIPTION
	PROPOSED ROAD
	EXISTING ROAD
	PROPOSED SIDEWALK/MEDIAN
	PROPOSED GUARD RAIL
	PROPOSED HAND RAIL
	EXISTING FENCE
	EXISTING WATER
	EXISTING WATER CHAMBER
	EXISTING WATER MANHOLE
	PROPOSED CONCRETE ENCASEMENT
	PROPOSED WATER RELOCATION
	EXISTING PIPE TO BE REMOVED
	PROPOSED WATER CHAMBER
	POINT OF SERVICES CROSSING

REFERENCE DRAWINGS :

1006614-DRG-09-NW-CC-L003 NEWWARK ROAD LONGSECTION: CH800 - CH1200
1006614-DRG-09-NW-CC-L004 NEWWARK ROAD LONGSECTION: CH1200 - CH1600
1006614-DRG-20-NW-CC-D003 WATER FITTING SCHEDULE
1006614-DRG-20-NW-CC-D001 WATER BEDDING DETAILS

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

WL 0.40m

CONNECTION TO EXISTING PIPE

WATER MH CL:5.26 IL:3.50

WL 0.50m

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

WATER MH CL:5.31 IL:5.01

WATER MH CL:5.32 IL:4.83

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

WL 0.50m

WL 0.50m

WL 1.50m

WL 2.10m

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

TAP

POSSIBLE PIPE CROSSING IN THIS AREA. PIPE TO BE EXPOSED AND ENCASED IN CONCRETE.

WATER MH CL:5.30 IL:3.91

Ø300MM WL 1.30m

Ø300MM WL 1.30m

Ø300MM WL 1.30m

Ø315MM WL 1.30m

Ø160MM WL 1.30m

COLOMBO ROAD

X 3185900

Y -101300 Y -101400 Y -101500 Y -101600 Y -101700

PLAN LAYOUT 3: CH960 - CH1440
SCALE 1:500

COORDINATES

POINT	Y	X
W12	-101272.906	3185885.862
W21	-101285.223	3185884.575
W22	-101292.008	3185883.866
W23	-101329.657	3185885.368
W24	-101336.157	3185885.806
W25	-101351.492	3185886.018
W26	-101356.492	3185886.019
W27	-101374.226	3185886.006
W28	-101380.760	3185886.097
W29	-101422.684	3185885.820
W30	-101426.875	3185885.738
W31	-101429.186	3185885.854
W32	-101467.172	3185887.354
W33	-101467.096	3185888.760
W34	-101467.395	3185901.592
W35	-101571.161	3185914.594
W36	-101586.514	3185914.600
W37	-101597.386	3185915.175

REFERENCE DRAWINGS :

1006614-DRG-09-NW-CC-L004 NEWWARK ROAD LONGSECTION: CH1200 - CH1600
1006614-DRG-09-NW-CC-L005 NEWWARK ROAD LONGSECTION: CH1600 - CH2000
1006614-DRG-20-NW-CC-D001 WATER BEDDING DETAILS

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

WL STEEL 1.10m

WL STL 1.10m

X 3185900

Y -101800 Y -101900 Y -102000 Y -102100 Y -102200

PLAN LAYOUT 4: CH1440 - CH1930
SCALE 1:500

COORDINATES

POINT	Y	X
W38	-101995.243	3185915.055
W39	-102007.089	3185915.084

REFERENCE DRAWINGS :

1006614-DRG-09-NW-CC-L005 NEWWARK ROAD LONGSECTION: CH1600 - CH2000
1006614-DRG-09-NW-CC-L006 NEWWARK ROAD LONGSECTION: CH2000 - CH2400
1006614-DRG-20-NW-CC-D001 WATER BEDDING DETAILS

SORTING YARD SUBSTATION

WL 1.30m

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

WL 1.50m

TAP

WL 1.10m

TAP

EXISTING PIPE TO BE ENCASED IN CONCRETE AS PROPOSED.

WL STL 1.50m

WL 1.50m

CONVEYOR BELT

PEGASUS DRIVE

PETRUSO ROAD

X 3185900

Y -102000 Y -102100 Y -102200 Y -102300 Y -102400 Y -102500 Y -102600

PLAN LAYOUT 5: CH1950 - CH2340
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

REVISIONS

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ZUTARI
IMPACT. ENGINEERED.

CONTRACTOR / CONSULTANT

TITLE	NAME	SIGN	DATE
DRAWN	I. SEBOLA		18 07 25
CHECKED	H.VAN DER MERWE		18 07 25
DESIGNED	I. SEBOLA		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 201270212

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)
SERVICES RELOCATION AND PROTECTION
PLAN - WATER SHEET 1 OF 2

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
PROJECT DRG. NO.		REV.
1006614-DRG-20-NW-CC-U001		T2