GENERAL

1006614-DRG-00-NW-CC-COVER PAGE		COVER PAGE
1006614-DRG-00-NW-CC-D002	SHEET 1 OF 1	DRAWING INDEX
1006614-DRG-00-NW-CC-D003	SHEET 1 OF 1	GENERAL NOTES: CIVIL NOTES
1006614-DRG-00-NW-CC-D004	SHEET 1 OF 1	CONCRETE STRUCTURAL NOTES
1006614-DRG-00-NW-CC-D005	SHEET 1 OF 1	CONSTRUCTION SEQUENCE
1006614-DRG-00-NW-CC-U001	SHEET 1 OF 3	NEWARK ROAD LAYOUT KEY PLAN
1006614-DRG-00-NW-CC-U002	SHEET 2 OF 3	NEWARK ROAD LONGSECTION KEY PLAN
1006614-DRG-00-NW-CC-U003	SHEET 3 OF 3	NEWARK ROAD INTERSECTION KEY PLAN
1006614-DRG-01-NW-CC-U001	SHEET 1 OF 1	SURVEY AND BENCHMARKS
1006614-DRG-000-ZZ-CC-U006A	SHEET 1 OF 1	SITE OFFICE AND LABORATORY LAYOUT
1006614-DRG-000-ZZ-CC-U001	SHEET 1 OF 1	TRAFFIC ACCOMMODATION SEQUENCING PHASE 1A AND 1B
1006614-DRG-000-ZZ-CC-U002	SHEET 1 OF 1	TRAFFIC ACCOMMODATION SEQUENCING PHASE 1C AND 2
1006614-DRG-000-ZZ-CC-U003	SHEET 1 OF 1	TRAFFIC ACCOMMODATION SEQUENCING PHASE 3 AND 4

ROAD PLANS

1006614-DRG-08-NW-CC-U001	SHEET 1 OF 9	NEWARK SETTING OUT LAYOUT
1006614-DRG-08-NW-CC-U002	SHEET 2 OF 9	NEWARK SETTING OUT LAYOUT
1006614-DRG-08-NW-CC-U003	SHEET 3 OF 9	NEWARK SETTING OUT LAYOUT
1006614-DRG-08-NW-CC-U004	SHEET 4 OF 9	NEWARK SETTING OUT LAYOUT
1006614-DRG-08-NW-CC-U005	SHEET 5 OF 9	NEWARK SETTING OUT LAYOUT
1006614-DRG-08-NW-CC-U006	SHEET 6 OF 9	NEWARK SETTING OUT LAYOUT
1006614-DRG-08-NW-CC-U007	SHEET 7 OF 9	NEWARK SETTING OUT LAYOUT
1006614-DRG-08-NW-CC-U008	SHEET 8 OF 9	NEWARK SETTING OUT LAYOUT
1006614-DRG-08-NW-CC-U009	SHEET 9 OF 9	NEWARK SETTING OUT LAYOUT
1006614-DRG-12-NW-CC-U001	SHEET 1 OF 9	NEWARK ROAD JOINT LAYOUT PLAN 1
1006614-DRG-12-NW-CC-U002	SHEET 2 OF 9	NEWARK ROAD JOINT LAYOUT PLAN 2
1006614-DRG-12-NW-CC-U003	SHEET 3 OF 9	NEWARK ROAD JOINT LAYOUT PLAN 3
1006614-DRG-12-NW-CC-U004	SHEET 4 OF 9	NEWARK ROAD JOINT LAYOUT PLAN 4
1006614-DRG-12-NW-CC-U005	SHEET 5 OF 9	NEWARK ROAD JOINT LAYOUT PLAN 5
1006614-DRG-12-NW-CC-U006	SHEET 6 OF 9	NEWARK ROAD JOINT LAYOUT PLAN 6
1006614-DRG-12-NW-CC-U007	SHEET 7 OF 9	NEWARK ROAD JOINT LAYOUT PLAN 7
1006614-DRG-12-NW-CC-U008	SHEET 8 OF 9	NEWARK ROAD JOINT LAYOUT PLAN 8
1006614-DRG-12-NW-CC-U009	SHEET 9 OF 9	NEWARK ROAD JOINT LAYOUT PLAN 9
1006614-DRG-12-NW-CC-U010	SHEET 1 OF 9	NEWARK ROAD PAVEMENT LAYOUT PLAN
1006614-DRG-12-NW-CC-U011	SHEET 2 OF 9	NEWARK ROAD PAVEMENT LAYOUT PLAN
1006614-DRG-12-NW-CC-U012	SHEET 3 OF 9	NEWARK ROAD PAVEMENT LAYOUT PLAN
1006614-DRG-12-NW-CC-U013	SHEET 4 OF 9	NEWARK ROAD PAVEMENT LAYOUT PLAN
1006614-DRG-12-NW-CC-U014	SHEET 5 OF 9	NEWARK ROAD PAVEMENT LAYOUT PLAN
1006614-DRG-12-NW-CC-U015	SHEET 6 OF 9	NEWARK ROAD PAVEMENT LAYOUT PLAN
1006614-DRG-12-NW-CC-U016	SHEET 7 OF 9	NEWARK ROAD PAVEMENT LAYOUT PLAN
1006614-DRG-12-NW-CC-U017	SHEET 8 OF 9	NEWARK ROAD PAVEMENT LAYOUT PLAN
1006614-DRG-12-NW-CC-U018	SHEET 9 OF 9	NEWARK ROAD PAVEMENT LAYOUT PLAN
1006614-DRG-13-NW-CC-U001	SHEET 1 OF 9	NEWARK SIGNAGE LAYOUT PLAN 1
1006614-DRG-13-NW-CC-U002	SHEET 2 OF 9	NEWARK SIGNAGE LAYOUT PLAN 2
1006614-DRG-13-NW-CC-U003	SHEET 3 OF 9	NEWARK SIGNAGE LAYOUT PLAN 3
1006614-DRG-13-NW-CC-U004	SHEET 4 OF 9	NEWARK SIGNAGE LAYOUT PLAN 4
1006614-DRG-13-NW-CC-U005	SHEET 5 OF 9	NEWARK SIGNAGE LAYOUT PLAN 5
1006614-DRG-13-NW-CC-U006	SHEET 6 OF 9	NEWARK SIGNAGE LAYOUT PLAN 6
1006614-DRG-13-NW-CC-U007	SHEET 7 OF 9	NEWARK SIGNAGE LAYOUT PLAN 7
1006614-DRG-13-NW-CC-U008	SHEET 8 OF 9	NEWARK SIGNAGE LAYOUT PLAN 8
1006614-DRG-13-NW-CC-U009	SHEET 9 OF 9	NEWARK SIGNAGE LAYOUT PLAN 9

ROAD SECTIONS

1006614-DRG-09-NW-CC-L001	SHEET 1 OF 11	NEWARK ROAD LONGSECTION: CH0 - CH400
1006614-DRG-09-NW-CC-L002	SHEET 2 OF 11	NEWARK ROAD LONGSECTION: CH400 - CH800
1006614-DRG-09-NW-CC-L003	SHEET 3 OF 11	NEWARK ROAD LONGSECTION: CH800 - CH1200
1006614-DRG-09-NW-CC-L004	SHEET 4 OF 11	NEWARK ROAD LONGSECTION: CH1200 - CH1600
1006614-DRG-09-NW-CC-L005	SHEET 5 OF 11	NEWARK ROAD LONGSECTION: CH1600 - CH2000
1006614-DRG-09-NW-CC-L006	SHEET 6 OF 11	NEWARK ROAD LONGSECTION: CH2000 - CH2400
1006614-DRG-09-NW-CC-L007	SHEET 7 OF 11	NEWARK ROAD LONGSECTION: CH2400 - CH2800
1006614-DRG-09-NW-CC-L008	SHEET 8 OF 11	NEWARK ROAD LONGSECTION: CH2800 - CH3200
1006614-DRG-09-NW-CC-L009	SHEET 9 OF 11	NEWARK ROAD LONGSECTION: CH3200 - CH3600
1006614-DRG-09-NW-CC-L010	SHEET 10 OF 11	NEWARK ROAD LONGSECTION: CH3600 - CH4000
1006614-DRG-09-NW-CC-L011	SHEET 11 OF 11	NEWARK ROAD LONGSECTION: CH4000 - CH4237.527
1006614-DRG-09-NW-CC-X001	SHEET 1 OF 10	NEWARK ROAD CROSS SECTIONS: CH0.000 - CH380
1006614-DRG-09-NW-CC-X002	SHEET 2 OF 10	NEWARK ROAD CROSS SECTIONS: CH400 - CH780
1006614-DRG-09-NW-CC-X003	SHEET 3 OF 10	NEWARK ROAD CROSS SECTIONS: CH800 - CH1260
1006614-DRG-09-NW-CC-X004	SHEET 4 OF 10	NEWARK ROAD CROSS SECTIONS: CH1280 - CH1740
1006614-DRG-09-NW-CC-X005	SHEET 5 OF 10	NEWARK ROAD CROSS SECTIONS: CH1760 - CH2220
1006614-DRG-09-NW-CC-X006	SHEET 6 OF 10	NEWARK ROAD CROSS SECTIONS: CH2240 - CH2680
1006614-DRG-09-NW-CC-X007	SHEET 7 OF 10	NEWARK ROAD CROSS SECTIONS: CH2700 - CH3080
1006614-DRG-09-NW-CC-X008	SHEET 8 OF 10	NEWARK ROAD CROSS SECTIONS: CH3100 - CH3480
1006614-DRG-09-NW-CC-X009	SHEET 9 OF 10	NEWARK ROAD CROSS SECTIONS: CH3500 - CH3960
1006614-DRG-09-NW-CC-X010	SHEET 10 OF 10	NEWARK ROAD CROSS SECTIONS: CH3980 - CH4238

ROAD DETAILS

1006614-DRG-00-NW-CC-D001	SHEET 1 OF 1	RAIL CROSSING DETAIL
1006614-DRG-02-NW-CC-D001	SHEET 1 OF 1	TYPICAL FENCING & GATE DETAILS 1
1006614-DRG-05-NW-CC-D001	SHEET 1 OF 1	BUS BAY & SHELTER DETAILS
1006614-DRG-08-NW-CC-D001	SHEET 1 OF 2	ROAD SECTIONS 1
1006614-DRG-08-NW-CC-D002	SHEET 2 OF 2	ROAD SECTIONS 2
1006614-DRG-08-NW-CC-D003	SHEET 3 OF 7	KERBING DETAILS 1
1006614-DRG-08-NW-CC-D004	SHEET 4 OF 7	KERBING DETAILS 2
1006614-DRG-08-NW-CC-D005	SHEET 1 OF 1	SIDEWALK DETAILS
1006614-DRG-08-NW-CC-D006	SHEET 1 OF 1	GUARDRAIL DETAILS: ARMCO
1006614-DRG-08-NW-CC-D007	SHEET 1 OF 1	BALUSTRADE DETAILS
1006614-DRG-10-NW-CC-D001	SHEET 1 OF 1	HALF-WIDTH CLOSURE: ONE WAY TRAFFIC DETAILS
1006614-DRG-10-NW-CC-D002	SHEET 1 OF 1	HALF-WIDTH CLOSURE: TWO WAY TRAFFIC DETAILS
1006614-DRG-10-NW-CC-D003	SHEET 1 OF 1	HALF-WIDTH CLOSURE: MINOR WORKS DETAILS
1006614-DRG-10-NW-CC-D004	SHEET 1 OF 1	LANE DROP - TWO WAY TRAFFIC DETAILS
1006614-DRG-10-NW-CC-D005	SHEET 1 OF 1	ACCOMMODATION OF TRAFFIC DETOURS DETAILS
1006614-DRG-10-NW-CC-D006	SHEET 1 OF 1	CROSS-OVER DEVIATIONS DETAILS
1006614-DRG-12-NW-CC-D001	SHEET 1 OF 1	PAVEMENT LAYERWORKS DETAILS
1006614-DRG-12-NW-CC-D002	SHEET 1 OF 1	PAVEMENT JOINT DETAILS
1006614-DRG-13-NW-CC-D001	SHEET 1 OF 1	ROAD MARKINGS SPECIFICATIONS
1006614-DRG-13-NW-CC-D002	SHEET 1 OF 1	ROAD SIGNAGE SPECIFICATIONS

INTERSECTIONS

1006614-DRG-09-NW-CC-I001	SHEET 1 OF 14	SETTING OUT PLAN: NEWARK/ URANIA ROAD INTERSECTION
1006614-DRG-09-NW-CC-I002	SHEET 2 OF 14	SETTING OUT PLAN: NEWARK / SUB-STATION, SANTHOM AND PARKING INTERSECTIONS
1006614-DRG-09-NW-CC-I003	SHEET 3 OF 14	SETTING OUT PLAN: NEWARK / VENTURA AND NORTHERN ROAD INTERSECTIONS
1006614-DRG-09-NW-CC-I004	SHEET 4 OF 14	SETTING OUT PLAN: NEWARK / WORKSHOP 5, OCTOPUS INTERSECTIONS
1006614-DRG-09-NW-CC-I005	SHEET 5 OF 14	SETTING OUT PLAN: NEWARK /PORT RAIL ACCESS INTERSECTIONS
1006614-DRG-09-NW-CC-I006	SHEET 6 OF 14	SETTING OUT PLAN: NEWARK / SAXON INTERSECTION
1006614-DRG-09-NW-CC-I007	SHEET 7 OF 14	SETTING OUT PLAN: NEWARK / WAYFARER INTERSECTION
1006614-DRG-09-NW-CC-I008	SHEET 8 OF 14	SETTING OUT PLAN: NEWARK / S32 STOCKYARD INTERSECTION
1006614-DRG-09-NW-CC-I009	SHEET 9 OF 14	SETTING OUT PLAN: NEWARK / PETINGO ROAD INTERSECTION
1006614-DRG-09-NW-CC-I010	SHEET 10 OF 14	SETTING OUT PLAN: NEWARK / PORT RAIL OPERATIONS ACCESSES 2
1006614-DRG-09-NW-CC-I011	SHEET 11 OF 14	SETTING OUT PLAN: NEWARK / ELEC DEPOT AND CONTROL CABIN INTERSECTIONS
1006614-DRG-09-NW-CC-I012	SHEET 12 OF 14	SETTING OUT PLAN: NEWARK / TRUCK STAGING EAST INTERSECTION
1006614-DRG-09-NW-CC-I013	SHEET 13 OF 14	SETTING OUT PLAN: NEWARK ACCESS ROUND ABOUT INTERSECTION
1006614-DRG-09-NW-CC-I014	SHEET 14 OF 14	SETTING OUT PLAN: NEWARK / OLD NEWARK INTERSECTION

STORMWATER DETAILS

1006614-DRG-14-NW-CC-D001	SHEET 1 OF 13	ROAD DRAINAGE: KERB INLET DETAILS
1006614-DRG-14-NW-CC-D002	SHEET 2 OF 13	ROAD DRAINAGE: GRID INLET DETAILS
1006614-DRG-14-NW-CC-D003	SHEET 3 OF 13	ROAD DRAINAGE: JUNCTION BOX DETAILS 1
1006614-DRG-14-NW-CC-D004	SHEET 4 OF 13	ROAD DRAINAGE: JUNCTION BOX DETAILS 2
1006614-DRG-14-NW-CC-D005	SHEET 5 OF 13	ROAD DRAINAGE: PIPE TRENCHING DETAILS
1006614-DRG-14-NW-CC-D006	SHEET 6 OF 13	ROAD DRAINAGE: CHANNEL DETAILS
1006614-DRG-14-NW-CC-D007	SHEET 7 OF 13	ROAD DRAINAGE: PIPE CULVERT INLET / OUTLET DETAILS
1006614-DRG-14-NW-CC-D008	SHEET 8 OF 13	ROAD DRAINAGE: SILT TRAP DETAILS - TYPE 1
1006614-DRG-14-NW-CC-D009	SHEET 9 OF 13	ROAD DRAINAGE: SILT TRAP DETAILS - TYPE 2
1006614-DRG-14-NW-CC-D010	SHEET 10 OF 13	ROAD DRAINAGE: DRAINAGE CHUTE DETAILS
1006614-DRG-14-NW-CC-D011	SHEET 11 OF 13	ROAD DRAINAGE: SUBSOIL DRAINAGE DETAILS
1006614-DRG-14-NW-CC-D012	SHEET 12 OF 13	ROAD DRAINAGE: CHANNEL OUTLET DETAILS
1006614-DRG-14-NW-CC-D013	SHEET 13 OF 13	ROAD DRAINAGE: GABION DETAILS

AFFECTED SERVICES LAYOUTS

1006614-DRG-20-NW-CC-U001	SHEET 1 OF 2	SERVICES RELOCATION AND PROTECTION PLAN - WATER
1006614-DRG-20-NW-CC-U002	SHEET 2 OF 2	SERVICES RELOCATION AND PROTECTION PLAN - WATER
1006614-DRG-20-NW-CC-U003	SHEET 1 OF 1	SERVICES RELOCATION AND PROTECTION PLAN - SEWER
1006614-DRG-20-NW-CC-U004	SHEET 1 OF 1	SERVICES RELOCATION AND PROTECTION PLAN - FENCE

AFFECTED SERVICES DETAILS

1006614-DRG-20-NW-CC-D001	SHEET 1 OF 6	WATER BEDDING DETAILS
1006614-DRG-20-NW-CC-D002	SHEET 2 OF 6	WATER VALVE BOX AND MARKER BLOCK DETAILS
1006614-DRG-20-NW-CC-D003	SHEET 3 OF 6	WATER FITTING SCHEDULE
1006614-DRG-20-NW-CC-D004	SHEET 4 OF 6	WATER THRUST BLOCK DETAILS
1006614-DRG-20-NW-CC-D005	SHEET 5 OF 6	SEWER BEDDING DETAILS
1006614-DRG-20-NW-CC-D006	SHEET 6 OF 6	SERVICE DUCT TYPICAL DETAILS

RETAINING WALLS

1006614-DRG-002-NW-SS-D001	SHEET 1 OF 1	GENERAL NOTES
1006614-DRG-002-NW-SS-D002	SHEET 1 OF 4	RETAINING WALL - AREA 1 "LAYOUT AND SECTIONS"
1006614-DRG-002-NW-SS-D003	SHEET 2 OF 4	RETAINING WALL - AREA 2 "LAYOUT AND SECTIONS"
1006614-DRG-002-NW-SS-D004	SHEET 3 OF 4	RETAINING WALL - AREA 3 "LAYOUT AND SECTIONS"
1006614-DRG-002-NW-SS-D005	SHEET 4 OF 4	RETAINING WALL - AREA 4 "LAYOUT AND SECTIONS"
1006614-DRG-002-NW-SS-D006	SHEET 1 OF 1	TYPICAL DETAILS
1006614-DRG-002-NW-SS-D007	SHEET 1 OF 2	SILT TRAP TYPE 1 LAYOUT & SECTIONS
1006614-DRG-002-NW-SS-D008	SHEET 2 OF 2	SILT TRAP TYPE 2 LAYOUT & SECTIONS

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.

LOCALITY



LEGEND

SYMBOL	DESCRIPTION

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
E2	FOR TENDER	WB	HVDM	HVDM	18/07/2025
E1	FOR TENDER	WB	HVDM	HVDM	26/06/2025

REVISIONS

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ZUTARI
IMPACT. ENGINEERED.

CONTRACTOR / CONSULTANT

TITLE	NAME	SIGN	DATE
DRAWN	W. BOTES		26 06 25
CHECKED	H. VAN DER MERWE		26 06 25
DESIGNED	R. RANGE		26 06 25
CHECKED	H. VAN DER MERWE		26 06 25

PR.ENG. / PR.TECH./PR. ARCH

NAME	H. VAN DER MERWE	DATE
SIGNATURE		
REG. NUMBER	201270065	
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	N/A	

TRANSNET

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PROJECT / AREA / ASSET / SUBJECT/DRAWING TITLE

PORT OF RICHARDS BAY

PORT ROADS REHABILITATION & UPGRADE
(REPAIRS TO PORT ROADS)
DRAWING INDEX

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-00-NW-CC-D002	T2