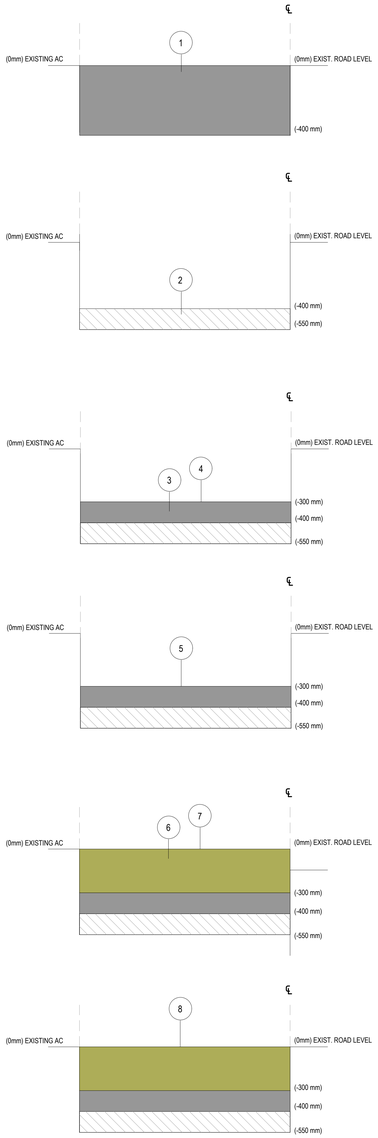
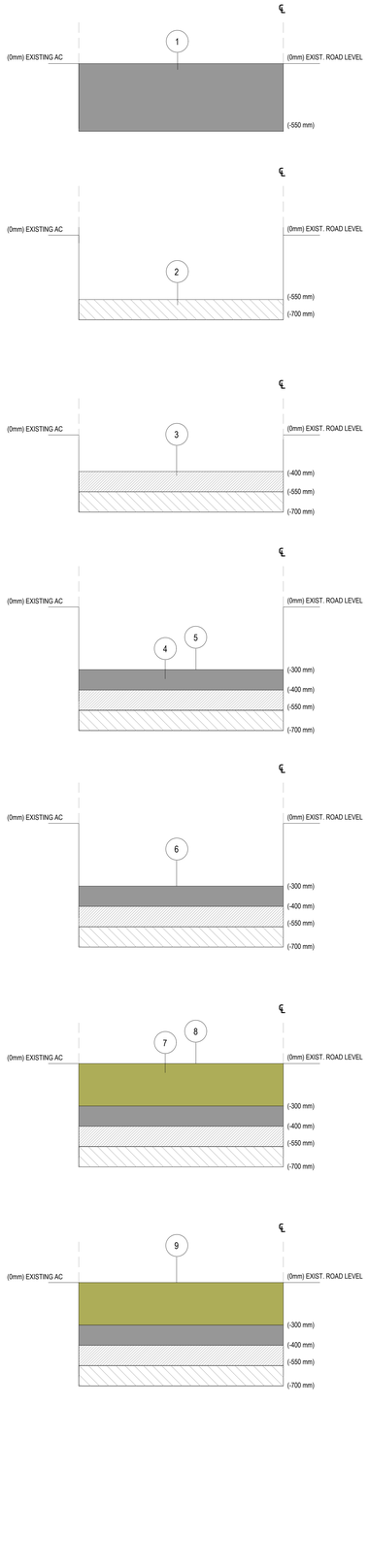
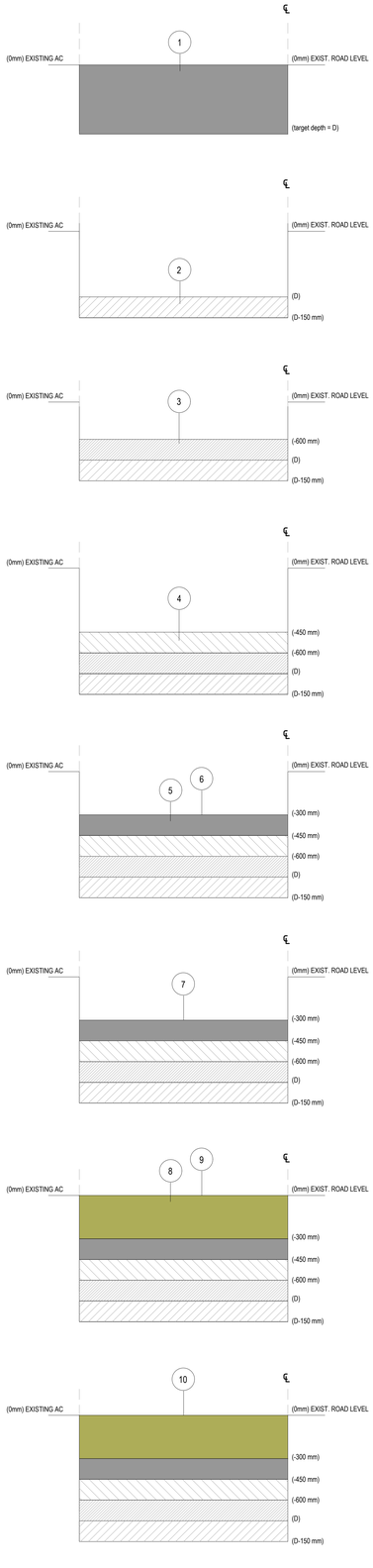
RECONSTRUCTION SEQUENCE (TABLE 1)



NEW RECONSTRUCTION SEQUENCE (TABLE 2)



NEW CONSTRUCTION SEQUENCE (TABLE 3)



HATCH LEGEND	
	ROADBED
	G9
	G7
	LMC
	PJCP

NOTE:
* DEPTH SPECIFIED BY THE ENGINEER ON SITE.

TABLE 1: FOR AREAS WHERE THE PAVEMENT IS RECONSTRUCTED AND G7 SUBGRADE CONDITION PREVAIL:

STAGE	ITEM	DESCRIPTION	UNIT
1	B38.04	MILLING OR EXCAVATING AND SPOILING OR MOVE TO STOCKPILE, MATERIAL FROM AN EXISTING PAVEMENT AND/OR THE UNDERLYING FILL: ASPHALT/NON-CEMENTED OR CEMENTED	m³
	B33.07	REMOVAL OF UNSUITABLE MATERIAL (INCLUDING ALL HAUL): STABLE/UNSTABLE	
2	34.04	IN SITU RECONSTRUCTION OF EXISTING PAVEMENT LAYERS AS: GRAVEL SELECTED LAYER COMPACTED TO 93% OF MODIFIED AASHTO DENSITY NON-CEMENTED MATERIAL (150 mm THICK)	m³
3	B71.02b(i)	CONCRETE PAVEMEMENT EXCLUDING TEXTURING AND CURING: LEAN MIX CONCRETE PAVEMENT: (MINIMUM COMPRESSIVE STRENGTH = 15MPa): 100 mm THICK	m³
4	B71.04b	TEXTURING AND CURING THE CONCRETE PAVEMENT: BULL FLOAT FINISH (LMC)	m³
5	B71.04e	TEXTURING AND CURING THE CONCRETE PAVEMENT: CURING (UPPER SURFACE OF SLAB USING WAX-EMULSION CURING COMPOUND)	m³
6	B71.02d(i)	CONCRETE PAVEMENT EXCLUDING TEXTURING AND CURING: JOINTED UNREINFORCED CONCRETE PAVEMENT (MINIMUM FLEXURAL STRENGTH = 5.2 MPa): 300 mm THICK	m³
7	B71.04a	TEXTURING AND CURING THE CONCRETE PAVEMENT: BROOM TEXTURE (PJCP)	m³
8	B71.04d	TEXTURING AND CURING THE CONCRETE PAVEMENT: CURING (UPPER SURFACE OF SLAB USING CURING COMPOUND WITH WHITE PIGMENTS (CHRYSO CURE WP OR SIMILAR) AND MOVEABLE FRAME COVER)	m³

TABLE 2: FOR AREAS WHERE THE PAVEMENT IS RECONSTRUCTED AND G9 SUBGRADE CONDITION PREVAIL:

STAGE	ITEM	DESCRIPTION	UNIT
1	B38.04	MILLING OR EXCAVATING AND SPOILING OR MOVE TO STOCKPILE, MATERIAL FROM AN EXISTING PAVEMENT AND/OR THE UNDERLYING FILL: ASPHALT/NON-CEMENTED OR CEMENTED	m³
	B33.07	REMOVAL OF UNSUITABLE MATERIAL (INCLUDING ALL HAUL): STABLE/UNSTABLE	
2	34.04	IN SITU RECONSTRUCTION OF EXISTING PAVEMENT LAYERS AS: GRAVEL SELECTED LAYER COMPACTED TO 93% OF MODIFIED AASHTO DENSITY NON-CEMENTED MATERIAL (150 mm THICK)	m³
3	B34.03	PAVEMENT LAYERS CONSTRUCTED FROM GRAVEL OBTAINED FROM EXISTING PAVEMENT LAYERS:(a) GRAVEL SELECTED LAYER, USING NON-CEMENTED MATERIAL FOR A COMPACTED LAYER THICKNESS OF 150 mm COMPACTED TO (ii) 93% OF MODIFIED AASHTO DENSITY	m³
	OR		
	B34.14	PAVEMENT LAYERS CONSTRUCTED FROM GRAVEL OBTAINED FROM COMMERICAL SOURCES, INCLUDING ALL HAUL: (a) GRAVEL SELECTED LAYER COMPACTED TO: 93% OF MODIFIED AASHTO DENSITY FOR A COMPACTED LAYER THICKNESS OF 150 mm.	m³
3	B71.02b(i)	CONCRETE PAVEMEMENT EXCLUDING TEXTURING AND CURING: LEAN MIX CONCRETE PAVEMENT: (MINIMUM COMPRESSIVE STRENGTH = 15MPa): 100 mm THICK	m³
4	B71.04b	TEXTURING AND CURING THE CONCRETE PAVEMENT: BULL FLOAT FINISH (LMC)	m³
5	B71.04e	TEXTURING AND CURING THE CONCRETE PAVEMENT: CURING (UPPER SURFACE OF SLAB USING WAX-EMULSION CURING COMPOUND)	m³
6	B71.02a(i)	CONCRETE PAVEMENT EXCLUDING TEXTURING AND CURING: JOINTED UNREINFORCED CONCRETE PAVEMENT (MINIMUM FLEXURAL STRENGTH = 5.2 MPa): 300 mm THICK	m³
7	B71.04a	TEXTURING AND CURING THE CONCRETE PAVEMENT: BROOM TEXTURE (PJCP)	m³
8	B71.04d	TEXTURING AND CURING THE CONCRETE PAVEMENT: CURING (UPPER SURFACE OF SLAB USING CURING COMPOUND WITH WHITE PIGMENTS (CHRYSO CURE WP OR SIMILAR) AND MOVEABLE FRAME COVER)	m³

TABLE 3: FOR AREAS WHERE THE PAVEMENT IS WIDENED:

STAGE	ITEM	DESCRIPTION	
1	B33.04	CUT TO SPOIL, INCLUDING FREE-HAUL UP TO 1,0 km. MATERIAL OBTAINED FROM: SOFT/HARD EXCAVATION	m³
	B33.07	REMOVAL OF UNSUITABLE MATERIAL (INCLUDING FREE-HAUL UP TO 1,0 km): STABLE/UNSTABLE	
2	33.10	ROADBED PREPARATION AND THE COMPACTION OF MATERIAL: COMPACTION TO 93% OF MODIFIED AASHTO DENSITY	m³
3	B33.01	CUT AND BORROW TO FILL, INCLUDING FREE-HAUL UP TO 1,0 km	m³
	OR		
	B33.20	FILL CONSTRUCTED WITH MATERIAL OBTAINED FROM COMMERCIAL SOURCES OR SOURCES PROVIDED BY THE CONTRACTOR, INCLUDING ALL HAUL:	m³
	OR		
	B33.21	FILL CONSTRUCTED WITH MATERIAL FROM DESIGNATED STOCKPILE OR DIRECTLY FROM EXISTING PAVEMENT LAYERS AND EXISTING ROAD PRISMS, IRRESPECTIVE OF MATERIAL TYPE, INCLUDING ALL HAUL.	m³
4	B34.03	PAVEMENT LAYERS CONSTRUCTED FROM GRAVEL OBTAINED FROM EXISTING PAVEMENT LAYERS:(a) GRAVEL SELECTED LAYER, USING NON-CEMENTED MATERIAL FOR A COMPACTED LAYER THICKNESS OF 150 mm COMPACTED TO (ii) 93% OF MODIFIED AASHTO DENSITY	m³
	OR		
	B34.14	PAVEMENT LAYERS CONSTRUCTED FROM GRAVEL OBTAINED FROM COMMERICAL SOURCES, INCLUDING ALL HAUL: (a) GRAVEL SELECTED LAYER COMPACTED TO: 93% OF MODIFIED AASHTO DENSITY FOR A COMPACTED LAYER THICKNESS OF 150 mm.	m³
5	B71.02b(i)	CONCRETE PAVEMEMENT EXCLUDING TEXTURING AND CURING: LEAN MIX CONCRETE PAVEMENT: (MINIMUM COMPRESSIVE STRENGTH = 15MPa): 100 mm THICK	m³
6	B71.04b	TEXTURING AND CURING THE CONCRETE PAVEMENT: BULL FLOAT FINISH (LMC)	m³
7	B71.04e	TEXTURING AND CURING THE CONCRETE PAVEMENT: CURING (UPPER SURFACE OF SLAB USING WAX-EMULSION CURING COMPOUND)	m³
8	B71.02a(i)	CONCRETE PAVEMENT EXCLUDING TEXTURING AND CURING: JOINTED UNREINFORCED CONCRETE PAVEMENT (MINIMUM FLEXURAL STRENGTH = 5.2 MPa): 300 mm THICK	m³
9	B71.04a	TEXTURING AND CURING THE CONCRETE PAVEMENT: BROOM TEXTURE (PJCP)	m³
10	B71.04d	TEXTURING AND CURING THE CONCRETE PAVEMENT: CURING (UPPER SURFACE OF SLAB USING CURING COMPOUND WITH WHITE PIGMENTS (CHRYSO CURE WP OR SIMILAR) AND MOVEABLE FRAME COVER)	m³

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	TS	LL	AHM	18 07 25
E1	FOR TENDER	TS	LL	AHM	26 06 25

REVISIONS

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ZUTARI
IMPACT. ENGINEERED.

CONTRACTOR / CONSULTANT

TITLE	NAME	SIGN	DATE
DRAWN	N. VILAKAZI		18 07 25
CHECKED	H. VAN DER MERWE		18 07 25
DESIGNED	T. SWANEPOEL		18 07 25
CHECKED	L. LOMBARD		18 07 25

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

NAME	A. HARTMAN	DATE
SIGNATURE		18 07 25

REG. NUMBER 20040405

TITLE DR

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.T.S.	

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)

SEQUANCE DRAWING

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
PROJECT DRG. NO.		REV.
1006614-DRG-00-UR-CC-D005		T2