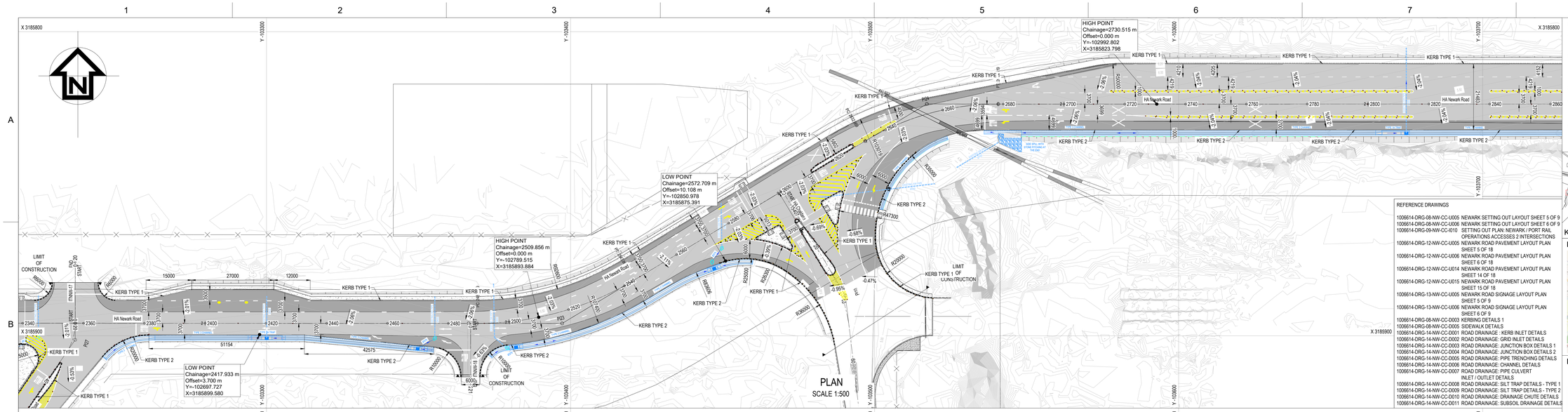
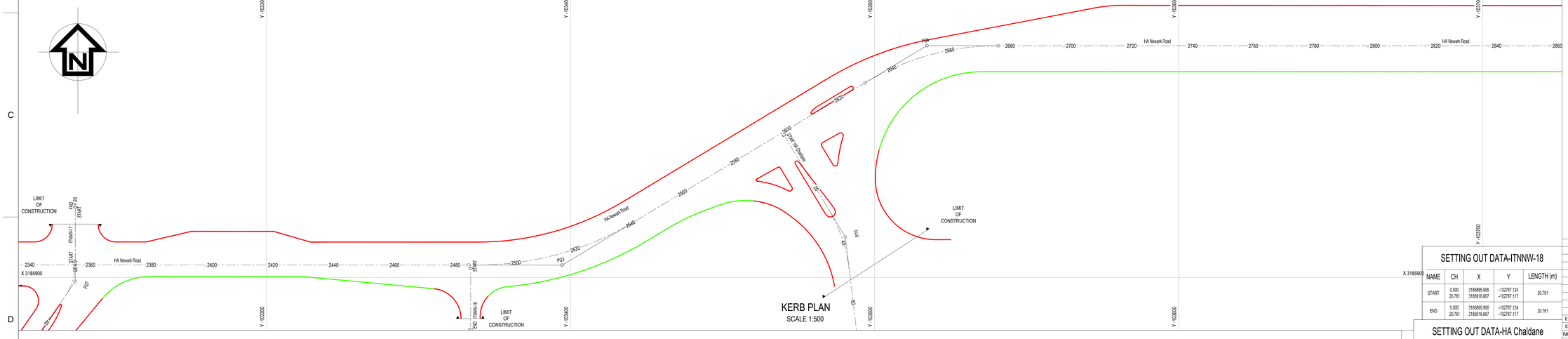
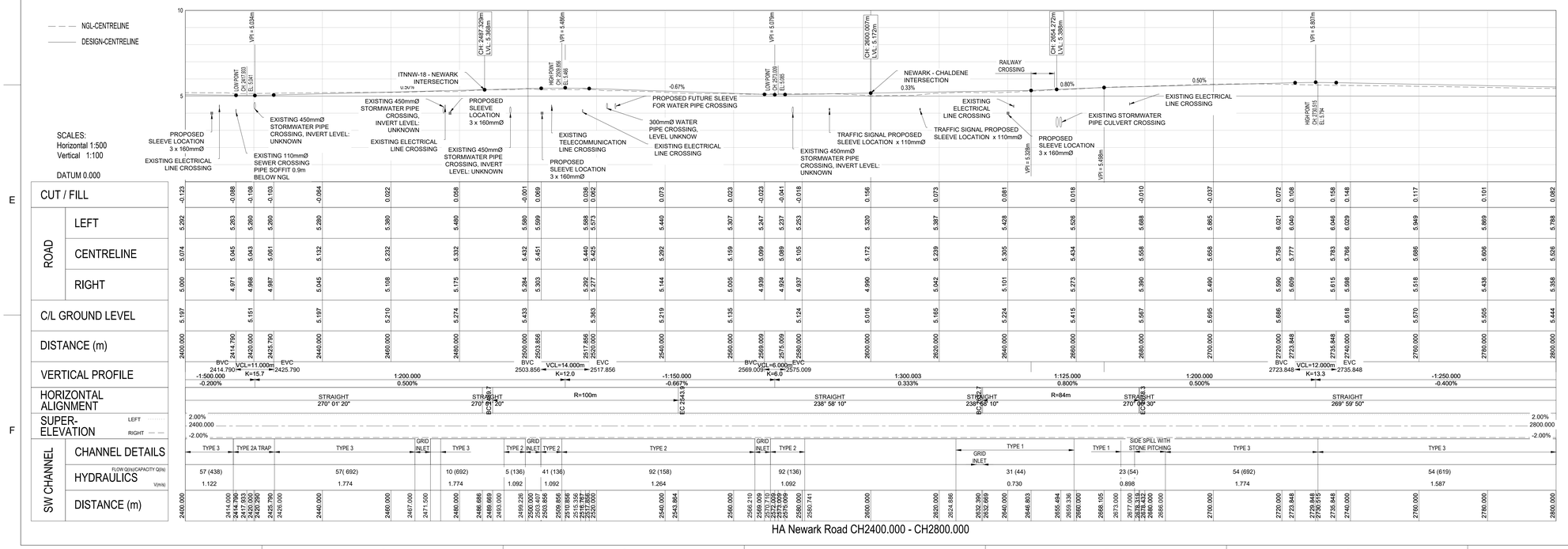






NOTES

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.

REFERENCE DRAWINGS

1006614-DRG-08-NW-CC-U005	NEWARK SETTING OUT LAYOUT SHEET 5 OF 9
1006614-DRG-08-NW-CC-U006	NEWARK SETTING OUT LAYOUT SHEET 6 OF 9
1006614-DRG-09-NW-CC-I010	SETTING OUT PLAN: NEWARK / PORT RAIL OPERATIONS ACCESSES 2 INTERSECTIONS
1006614-DRG-12-NW-CC-U005	NEWARK ROAD PAVEMENT LAYOUT PLAN SHEET 5 OF 18
1006614-DRG-12-NW-CC-U006	NEWARK ROAD PAVEMENT LAYOUT PLAN SHEET 6 OF 18
1006614-DRG-12-NW-CC-U014	NEWARK ROAD PAVEMENT LAYOUT PLAN SHEET 14 OF 18
1006614-DRG-12-NW-CC-U015	NEWARK ROAD PAVEMENT LAYOUT PLAN SHEET 15 OF 18
1006614-DRG-13-NW-CC-U005	NEWARK ROAD SIGNAGE LAYOUT PLAN SHEET 5 OF 9
1006614-DRG-13-NW-CC-U006	NEWARK ROAD SIGNAGE LAYOUT PLAN SHEET 6 OF 9
1006614-DRG-08-NW-CC-0003	KERBING DETAILS 1
1006614-DRG-08-NW-CC-0005	SIDEWALK DETAILS
1006614-DRG-14-NW-CC-D001	ROAD DRAINAGE : KERB INLET DETAILS
1006614-DRG-14-NW-CC-0002	ROAD DRAINAGE: GRID INLET DETAILS
1006614-DRG-14-NW-CC-0003	ROAD DRAINAGE: JUNCTION BOX DETAILS 1
1006614-DRG-14-NW-CC-0004	ROAD DRAINAGE: JUNCTION BOX DETAILS 2
1006614-DRG-14-NW-CC-0005	ROAD DRAINAGE: PIPE TRENCHING DETAILS
1006614-DRG-14-NW-CC-0006	ROAD DRAINAGE: CHANNEL DETAILS
1006614-DRG-14-NW-CC-0007	ROAD DRAINAGE: PIPE CULVERT INLET / OUTLET DETAILS
1006614-DRG-14-NW-CC-0008	ROAD DRAINAGE: SILT TRAP DETAILS - TYPE 1
1006614-DRG-14-NW-CC-0009	ROAD DRAINAGE: SILT TRAP DETAILS - TYPE 2
1006614-DRG-14-NW-CC-0010	ROAD DRAINAGE: DRAINAGE CHUTE DETAILS
1006614-DRG-14-NW-CC-0011	ROAD DRAINAGE: SUBSOIL DRAINAGE DETAILS

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
FL#XXX	FINAL LEVEL ROAD SETTING OUT POINT
TYPE 1 CHANNEL	STORMWATER CHANNEL TYPE 1
TYPE 2 CHANNEL	STORMWATER CHANNEL TYPE 2
TYPE 3 CHANNEL	STORMWATER CHANNEL TYPE 3
TYPE 4 CHANNEL	STORMWATER CHANNEL TYPE 4
TYPE 5 CHANNEL	STORMWATER CHANNEL TYPE 5
	STORMWATER JUNCTION BOX
	STORMWATER GRID INLET
	STORMWATER KERB INLET
TYPE 1A TRAP	STORMWATER TRAP TYPE 1A
TYPE 1B TRAP	STORMWATER TRAP TYPE 1B
TYPE 2A TRAP	STORMWATER TRAP TYPE 2A
	STORMWATER CHUTE
	KERB TYPE 1
	KERB TYPE 2
	KERB TYPE 3

SETTING OUT DATA-ITNNW-18

NAME	CH	X	Y	LENGTH (m)
START	0.000 20.761	3185895.906 3185916.667	-102767.124 -102767.117	20.761
END	0.000 20.761	3185895.906 3185916.667	-102767.124 -102767.117	20.761

SETTING OUT DATA-HA Chaldane

NAME	CH	X	Y	DETAILS
START	0.000 29.423	3185852.331 3185877.543	-102868.702 -102884.869	0.000 29.423
PI10	29.423 50.586	3185877.543 3185886.748 3185907.415	-102884.869 -102890.406 -102891.874	R 50.000m DA 24°15'30" TL 10.742m AL 21.163m
PI11	247.096 310.841	3186092.552 3186124.473 3186155.975	-102914.868 -102919.662 -102912.262	R 200.000m DA 18°15'40" TL 32.145m AL 63.745m
END	310.841 318.301	3186155.975 3186163.285	-102912.262 -102910.777	310.841 7.460

SETTING OUT DATA-HA Newark Road

NAME	CH	X	Y	DETAILS
START	0.000 38.889	3185884.161 3185895.794	-102282.287 -103319.395	0.000 38.889
BCC PI ECC	38.889 83.496	3185895.794 3185902.532 3185931.646	-103319.395 -103340.888 -103363.396	R 130.000m DA 19°38'40" TL 22.525m AL 44.607m
PI20	38.889 83.496	3185895.794 3185902.532 3185931.646	-103319.395 -103340.888 -103363.396	R 130.000m DA 19°38'40" TL 22.525m AL 44.607m
BCC1 PI1 ECC1	143.975 213.123	3185898.267 3185897.907 3185897.875	-103423.828 -103458.380 -103492.958	R 1800.000m DA 2°12'00" TL 34.579m AL 69.148m
BCC2 PI2 ECC2	264.572 279.481	3185897.827 3185897.820 3185897.591	-103544.407 -103551.862 -103559.314	R 500.000m DA 1°42'30" TL 7.455m AL 14.909m
BCC3 PI3 ECC3	352.850 368.414	3185895.335 3185895.096 3185895.099	-103632.647 -103640.426 -103648.209	R 500.000m DA 1°47'00" TL 7.783m AL 15.564m
PI23	2489.669 2543.864	3185895.907 3185895.918 3185881.597	-102769.464 -102797.245 -102821.050	R 100.000m DA 31°03'00" TL 27.781m AL 54.194m
PI24	2632.669 2678.319	3185835.821 3185823.756 3185823.801	-102897.147 -102917.202 -102940.606	R 84.000m DA 31°08'20" TL 23.404m AL 45.650m
PI25	3280.749 3289.788	3185823.767 3185823.767 3185823.971	-103543.037 -103547.557 -103552.072	R 200.000m DA 2°35'20" TL 4.520m AL 9.038m
PI26	3336.087 3345.125	3185826.060 3185826.264 3185826.264	-103598.324 -103602.840 -103607.359	R 200.000m DA 2°35'20" TL 4.520m AL 9.038m
BCC32 PI32 ECC32	3842.916 4031.375	3185826.236 3185826.229 3185706.266	-104105.150 -104225.114 -104225.144	R 120.000m DA 89°59'00" TL 119.963m AL 188.459m
END	4181.381 4237.527	3185556.259 3185500.114	-104225.181 -104225.195	4181.381 56.146

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	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	201270126	
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	0.388888889	

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 ROAD LONGSECTION PLAN
CH2400 - CH2800 SHEET 7 OF 11

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-09-NW-CC-L007	T2