

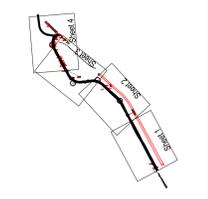
PLAN LAYOUT
SCALE 1:500

LEGEND

LOW POINTS	LP: XXXX
HIGH POINTS	HP: XXXX
FILL BANK 1:2	[Symbol]
CUT BANK 1:2	[Symbol]
CONCRETE V-DRAIN (DETAIL)	[Symbol]

TRANSNET
national ports authority

RAUBEX
KZN



- GENERAL**
- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT SABS 1200 SPECIFICATIONS.
 - THE CONTRACTOR MUST ARRANGE FOR CONTROL TESTING AT FREQUENCIES SPECIFIED IN THE RELEVANT SABS 1200 SPECIFICATIONS. COSTS FOR CONTRACTORS ACCOUNT CONTROL TESTING WILL BE FOR THE CONTRACTORS ACCOUNT.
 - ONCE THE WORKS ARE SET OUT THE CONTRACTOR MUST CALL THE ENGINEER FOR INSPECTION PRIOR TO COMMENCING WITH THE EXCAVATION.
 - IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES IN THE DRAWINGS, THESE DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY. NO ASSUMPTIONS MUST BE MADE.
 - IF THE CONTRACTOR WISHES TO USE ANY MATERIALS OTHER THAN THOSE SPECIFIED, HE MUST OBTAIN WRITTEN APPROVAL FROM THE ENGINEER TO DO SO.
 - IF ANY DESIGN CHANGES DURING CONSTRUCTION MUST BE ISSUED UNDER SITE INSTRUCTION, AFTER APPROVAL BY THE ENGINEER.
 - ALL EXISTING SERVICES TO BE PROVIDED & VERIFIED PRIOR TO WORK COMMENCING. ANY EXISTING SERVICE THAT IS DAMAGED BY THE CONTRACTOR AND IS SHOWN ON THE CONSTRUCTION DRAWINGS OR INDICATED TO THE CONTRACTOR ON SITE BY THE ENGINEER, MUST BE REPAIRED BY THE CONTRACTOR AT HIS OWN COST.
 - IF THE CONTRACTOR'S NATURAL DRAINAGE LEVELS INDICATED ON THIS DRAWING ARE AS PER THE SURVEY DATA SUPPLIED, THE CONTRACTOR IS TO CHECK THE ACCURACY OF THIS INFORMATION AND REPORT ANY DISCREPANCIES IMMEDIATELY.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL STORMWATER RUNOFF IS CONTROLLED TO PREVENT DAMAGE TO THE WORKS, EXISTING STRUCTURES AND SURROUNDING PROPERTIES, DURING THE CONSTRUCTION PROCESS.
 - ALL CUT AND FILL BATTERS TO BE 1:1.5 AND 1:2 RESPECTIVELY.
 - THE CONTRACTOR IS TO TAKE COGNISANCE OF THE GEOTECHNICAL REPORT AND THE RECOMMENDATIONS MADE THEREIN, SPECIALLY WITH REGARD TO THE IN-SITU MOISTURE CONTENT OF THE MATERIAL.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT DETAIL DRAWINGS.

BMK
CONSULTING ENGINEERS

Office 218 Tel : (031) 566 1160
45 Richefontaine Circle Fax : (031) 566 1732
Ridgeside Office park
Email: admin@bmkconsulting.co.za

Revision	Date	Description
1	13/07/2022	RAISED FOR DISCUSSION
2	09/06/2022	ETA COMMENTS
0	09/06/2022	ISSUED FOR CONSTRUCTION

NOTE: No construction work to commence until all site and structure acquisitions have been completed.

Acquisitions completed: _____

Date: _____ Engineer: _____

UNDERGROUND SERVICES CHECKED

SERVICE	DATE	SIGNATURE
SEWERS		
WATER MAINS		
G.P.O. CABLES		
ELECTRIC CABLES		
TELEPHONE CABLES		
OTHER CABLES		

NOTE: Only underground services affected by new construction work are shown. Care must be taken during excavations for road foundations, trenches etc., to avoid damage to underground services such as sewers, drains, cables, water mains and connections. Whenever possible these must be located before work proceeds.

SETT-LINE Bypass Road - Left

NAME	CH	Y	X	DETAILS
START	0.000	-141.767	3 308 826.584	L 642.315m
BCC1	642.315	162.362	3 308 280.833	R 216.500m
PI1	179.294	3 308 229.335		TL 35.761m
ECC1	713.197	205.457	3 308 204.955	AL 70.882m
BCC2	863.412	315.352	3 308 102.546	R 151.500m
PI2	367.148	3 308 054.276		DA 50'05'50"
ECC2	995.875	437.403	3 308 063.049	AL 132.463m
BCC3	1028.835	470.109	3 308 067.131	R 158.500m
PI3	578.469	3 308 080.409		DA 68'08'10"
ECC3	1217.324	628.399	3 307 986.644	AL 188.490m
BCC4	1217.324	628.399	3 307 986.644	R 166.500m
PI4	630.770	3 307 982.392		DA 3'22'00"
ECC4	1227.110	633.389	3 307 978.227	TL 4.894m
BCC5	1246.324	643.699	3 307 961.995	R 166.500m
PI5	646.628	3 307 957.522		DA 3'42'00"
ECC5	1257.383	649.271	3 307 952.463	TL 5.531m
BCC6	1288.632	663.246	3 307 926.768	R 166.500m
PI6	666.062	3 307 921.590		DA 4'02'00"
ECC6	1298.416	668.506	3 307 916.225	TL 5.896m
BCC7	1314.909	675.341	3 307 901.216	R 166.500m
PI7	677.784	3 307 895.852		DA 4'02'00"
ECC7	1326.603	680.601	3 307 890.073	TL 5.896m
BCC8	1450.184	739.603	3 307 782.189	R 118.500m
PI8	778.428	3 307 708.965		DA 7'0'14.40"
ECC8	1595.467	723.074	3 307 646.735	TL 83.763m
END	1604.247	718.133	3 307 640.180	L 8.780m

SETT-LINE Bypass Road - Right

NAME	CH	Y	X	DETAILS
BCC9	642.315	156.196	3 308 257.518	R 223.500m
PI9	173.676	3 308 225.002		DA 18'45'30"
ECC9	715.489	200.685	3 308 199.834	TL 36.917m
BCC10	865.704	310.579	3 308 097.425	R 158.500m
PI10	364.769	3 308 046.927		DA 50'05'50"
ECC10	1004.287	438.271	3 308 056.102	AL 138.583m
BCC11	1037.247	470.977	3 308 060.185	R 151.500m
PI11	573.478	3 308 072.381		DA 68'14'40"
ECC11	1218.571	622.830	3 307 982.237	AL 181.324m
BCC12	1450.099	733.454	3 307 778.845	R 111.500m
PI12	770.926	3 307 709.848		DA 7'0'14.40"
ECC12	1586.799	718.748	3 307 651.392	TL 136.700m
END	1595.580	712.907	3 307 644.837	L 8.780m

SETTING OUT DATA-Bypass Road

NAME	CH	Y	X	DETAILS
START	0.000	-144.850	3 308 824.927	L 642.315m
BCC1	642.315	159.279	3 308 259.176	R 220.000m
PI1	176.485	3 308 227.168		DA 18'45'30"
ECC1	714.343	203.071	3 308 202.294	TL 36.339m
BCC2	864.558	312.966	3 308 099.986	R 155.000m
PI2	365.959	3 308 050.803		DA 50'05'50"
ECC2	1000.081	437.837	3 308 059.376	TL 72.436m
BCC3	1033.041	470.543	3 308 063.658	R 155.000m
PI3	575.413	3 308 076.750		DA 68'34'30"
ECC3	1218.553	625.907	3 307 983.909	TL 136.944m
BCC4	1450.082	736.529	3 307 780.517	R 115.000m
PI4	775.177	3 307 709.646		DA 7'0'14.40"
ECC4	1591.073	721.361	3 307 649.063	TL 80.991m

Client: **TRANSNET NATIONAL PORTS AUTHORITY**

Project Title: **BAYHEAD ROAD BYPASS**

Drawing Title: **ROAD LAYOUT PLAN (SHEET 1 OF 4)**

DATE	BY	CHKD	DESCRIPTION
2022-07-13	AS SHOWN	AS SHOWN	CH - DESIGN CENTRE MANAGER

SCALE	AS SHOWN	
DESIGNED BY	DELAN TAYLOR	CH - PORT ENGINEER
CHECKED BY	WIGNESH MADDOO	CH - PORT ENGINEER
DRAWN BY	WIGNESH MADDOO	CH - PORT ENGINEER
CHECKED BY	WIGNESH MADDOO	CH - PORT ENGINEER

PAPER SIZE: **A0** TRANSPORT DRAWING NO. SHEET REV. **001**

CONSULTANT / CONTRACTOR DRAWING NO. **BMK-1724-001-001**