

PLAN LAYOUT
SCALE 1:500

LEGEND

LOW POINTS
HIGH POINTS

FILL BANK 1:2
CUT BANK 1:2

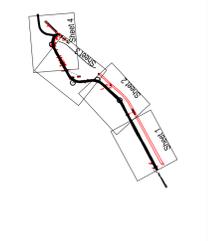
CONCRETE V-DRAIN (DETAIL)

LP: XXXX
HP: XXXX

BACK OF ROAD SPREAD AREA
FRONT OF ROAD SPREAD AREA

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 CONTIGUOUS AND NATURAL GROUND 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 CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL STRUCTURES TO BE CONSTRUCTED ARE 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, ESPECIALLY 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
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Revision	Date	Description
2	13/07/2022	RAISED FOR DISCUSSION
1	09/06/2022	ETA COMMENTS
0	02/06/2022	ISSUED FOR CONSTRUCTION

NOTE: No construction work to commence until all acquisition and subsurface acquisitions have been completed.

Acquisitions completed: _____

Date: _____ Engineer: _____

UNDERGROUND SERVICES CHECKED

SERVICE	DATE	SIGNATURE
SEWERS		
WATER MAINS		
D.P. CABLES		
ELECTRIC CABLES		
FAIR CABLES		
E.S.C. CABLES		
ES. FIRE LINE		

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.

Contract No: NA

Client: **TRANSNET NATIONAL PORTS AUTHORITY**

Project Title: **BAYHEAD ROAD BYPASS**

Drawing Title: **ROAD LAYOUT PLAN (SHEET 3 OF 4)**

DATE	2022-07-13	DR - DESIGN CENTRE MANAGER
SCALE	AS SHOWN	
DESIGNED BY	DYLAN TAYLOR	DR - PORTS ENGINEER
CHECKED BY	INGNESH NADDOO	
DRAWN BY	SIPHAMBIZO KHUMALO	DR - PLANNER/DRAWER
CHECKED BY	INGNESH NADDOO	

PAPER SIZE: **A0** TRANSPORT DRAW. NO. SHEET REV.
CONSULTANT / CONTRACTOR DRAW. NO. **BMK-1724-001-003**

SETT-LINE Bypass Road - Left				
NAME	CH	Y	X	DETAILS
START	0.000	-141.797	3 308 826.584	L 642.315m
BCC1	642.315	162.362	3 308 260.833	R 218.500m
PI1	179.294	3 308 229.335		DA 18'45'30"
ECC1	205.457	3 308 204.955		TL 35.761m AL 70.882m
BCC2	863.412	315.352	3 308 102.546	R 151.500m
PI2	367.148	3 308 054.278		DA 50'05'50"
ECC2	995.875	437.403	3 308 063.049	TL 70.500m AL 132.453m
BCC3	1028.835	470.109	3 308 067.131	R 158.500m
PI3	576.469	3 308 080.409		DA 68'08'10"
ECC3	1217.324	628.399	3 307 986.644	TL 107.165m AL 188.490m
BCC4	1217.324	628.399	3 307 986.644	R 166.500m
PI4	630.770	3 307 982.902		DA 3'22'00"
ECC4	633.389	3 307 978.227		TL 4.894m AL 3.795m
BCC5	1246.324	643.699	3 307 961.995	R 166.500m
PI5	646.628	3 307 957.522		DA 3'46'00"
ECC5	1257.283	649.271	3 307 952.463	TL 5.531m AL 11.259m
BCC6	1286.632	663.246	3 307 926.768	R 166.500m
PI6	666.062	3 307 921.590		DA 4'02'00"
ECC6	1298.416	668.596	3 307 916.225	TL 5.895m AL 11.794m
BCC7	1314.909	675.341	3 307 901.216	R 166.500m
PI7	677.784	3 307 895.852		DA 4'02'00"
ECC7	1326.693	680.601	3 307 890.973	TL 5.895m AL 11.794m
BCC8	1450.184	739.603	3 307 782.189	R 118.500m
PI8	779.424	3 307 708.965		DA 7'0'14.40"
ECC8	1595.467	723.974	3 307 646.735	TL 83.303m AL 145.282m
END	1604.247	718.133	3 307 640.180	L 8.780m

SETT-LINE Bypass Road - Right				
NAME	CH	Y	X	DETAILS
START	0.000	-147.633	3 308 823.270	L 642.315m
BCC9	642.315	156.196	3 308 257.518	R 223.500m
PI9	173.676	3 308 225.022		DA 18'45'30"
ECC9	200.655	3 308 199.834		TL 36.917m AL 73.174m
BCC10	865.704	310.579	3 308 097.425	R 152.500m
PI10	364.769	3 308 046.927		DA 50'05'50"
ECC10	1004.267	438.271	3 308 056.102	TL 74.072m AL 138.583m
BCC11	1037.247	470.977	3 308 060.185	R 151.500m
PI11	573.478	3 307 072.581		DA 68'14'30"
ECC11	1218.571	622.833	3 307 982.237	TL 103.296m AL 181.324m
BCC12	1450.099	733.454	3 307 778.845	R 111.500m
PI12	770.926	3 307 709.946		DA 7'0'14.40"
ECC12	1586.799	718.748	3 307 651.392	TL 76.429m AL 136.700m
END	1595.580	712.907	3 307 644.837	L 8.780m

RAILWAY CROSSING				
POINT	Y	X		
R1-1	465.346	3 308 073.236		
R1-2	493.238	3 308 076.706		
R1-3	454.257	3 308 051.407		
R1-4	426.420	3 308 047.856		

BRIDGE UNDERPASS SOFFIT				
POINT	Y	X		
BU-1	666.150	3 307 934.690		
BU-2	675.852	3 307 916.270		
BU-3	648.834	3 307 932.792		
BU-4	638.705	3 307 951.691		

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	203.071	3 308 202.294		TL 36.339m AL 72.028m
BCC2	864.558	312.966	3 308 099.886	R 155.000m
PI2	365.959	3 308 050.603		DA 50'05'50"
ECC2	1000.081	437.637	3 308 059.378	TL 72.439m AL 135.623m
BCC3	1033.041	470.543	3 308 063.658	R 155.000m
PI3	575.413	3 308 076.750		DA 68'14'40"
ECC3	1218.563	625.907	3 307 963.909	TL 105.894m AL 185.513m
BCC4	1450.082	736.529	3 307 780.517	R 115.000m
PI4	775.177	3 307 709.456		DA 7'0'14.40"
ECC4	1591.073	721.361	3 307 649.063	TL 80.951m AL 140.991m