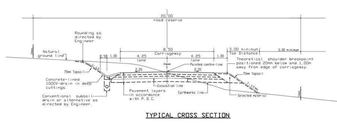
LEGEND:

FINISHED ROAD LEVEL (FRL)

NATURAL GROUND LEVEL (NGL)

NOTES:

1. All levels, dimensions and setting out details to be verified by the Consultant and Contractor on site prior to construction.
2. All roadmarking is to be verified on site according to the SARTSM.
3. Pavement layerance as per PDC No. XXXX depicted on Layout Plan No. C41531 - C41527
4. All V-drains to be Concrete Lined as per SD 0601/2



TYPICAL CROSS SECTION

D365

DESIGN SPEED: 60km/hr

TO SEA PARK

TO LOCATION NO.5

ROAD D365 ROAD D365
SSD REQUIRED = 55m SSD REQUIRED = 145m
SSD PROVIDED = 75.4m SSD PROVIDED = 106m
RHS INTERSECTION km 5.700

ROAD D365 ROAD D365
SSD REQUIRED = 70m SSD REQUIRED = 145m
SSD PROVIDED = 82.3m SSD PROVIDED = 106m
LHS INTERSECTION km 5.591

ROAD D365 ROAD D365
SSD REQUIRED = 70m SSD REQUIRED = 95m
SSD PROVIDED = 82.3m SSD PROVIDED = 90.3m
LHS INTERSECTION km 5.517

ROAD D365 ROAD D365
SSD REQUIRED = 55m SSD REQUIRED = 145m
SSD PROVIDED = 75.4m SSD PROVIDED = 106m
LHS INTERSECTION km 5.693

600 mmØ PIPE CULVERT km 5.230
600 mmØ PIPE CULVERT km 5.314
600 mmØ PIPE CULVERT km 5.382
600 mmØ PIPE CULVERT km 5.540
600 mmØ PIPE CULVERT km 5.765

km5.517m (LHS) SIGHT DISTANCE 70m 100m
B3 ACCESS SD 0303/C KM 5,517 LHS

km5.591m (LHS) SIGHT DISTANCE 70m 150m
B3 ACCESS SD 0303/C KM 5,591 LHS

km5.693m (LHS) SIGHT DISTANCE 55m 90m
B1 ACCESS SD 0303/C KM 5,693 LHS

B3 ACCESS SD 0303/C KM 5,700 RHS

km5.700m (RHS) SIGHT DISTANCE 55m 90m

Datum 171.000 Datum 132.000 Datum 146.000 Datum 159.000 Datum 170.000

Left of Centre Line: Sidewalk, Guardrails, Subsoil Drainage, Side Drains, Centre Line Road Marking

Right of Centre Line: Side Drains, Subsoil Drainage, Guardrails, Sidewalk

INV LVL 142.900 / INV LVL 142.053
INV LVL 151.350 / INV LVL 149.811
INV LVL 155.449 / INV LVL 155.149
INV LVL 163.000 / INV LVL 163.267
INV LVL 176.288 / INV LVL 175.535

Earthworks Quantities

Cut (m)	55 391
Adj. Cut (m)	59 822
Fill (m^3)	14 452

Vertical Alignment

Des Road Levels: Left Edge, Centre Line, Right Edge

Grades: 11.294 % | 5373.000 159.813 | 2.864 % | 5591.000 166.058 | 9.982 % | 5754.000 182.327 | 1.056 %

Vertical Curves: 250.000m VC K=17.464 EVC = 5128.000 | BVC = 5233.000 280.000m VC K=33.215 EVC = 5513.000 | BVC = 5521.000 140.000m VC K=19.667 EVC = 5661.000 | BVC = 5664.000 180.000m VC K=20.165 EVC = 5844.000

Superelevation: 2.50000 / -2.50000 | -4.90000 / -4.90000 | -2.00000 | -2.00000 | 6.00000 / -6.00000

Horizontal Curves: Curve 17 Right Radius=240.000 l= 23.56.28 | Direction 182.19.54 | Curve 18 Left Radius=810.000 l= 13.04.31 | Direction 169.15.23 | Curve 19 Right Radius=310.000 l= 29.24.08 | Direction 198.39.31 | Curve 20 Left Radius=150.000 l= 30.49.31 | Direction 167.50.00

FOR TENDER PURPOSE

Symbol	Date	Description	Checked	Signed

AMENDMENTS

APPROVED

Supervising Engineer ..... Date

Supervising Authority

Continued from:-	C46939	Designed by:-	S. NKOSI
Continued on:-	-	Checked by:-	S. NKOSI
Cross Section No:-	C46958 to C46963	Drawn by:-	L. SIKHAKHANE
Plan No:-	C46936	Checked by:-	S. NKOSI
Survey Plan No:-		Date of approval:-	

transport
Department:
Transport
Province of KwaZulu-Natal
'prosperity through mobility'

PROVINCE OF KWAZULU-NATAL
DEPARTMENT OF TRANSPORT

Designed by:-
KaMawewe Development Consultants (PTY) Ltd
12 Coronation Rd
Scottsville
Pietermaritzburg, 3201.

Tel No.: 033 342 9507
Fax No: 033 342 9249
E-mail : siya@kamawewe.co.za

Signed Date .....

KaMawewe Development Consultants is ISO 9001:2015, ISO 14001:2015 & ISO45001:2018 certified for its full range of services

KAMAWEWE DEVELOPMENT CONSULTANTS Pty(Ltd)

sanas

Transportation Engineering: Chief Engineer

Head: Transport

ROAD D365
(SEA PARK TO LOCATION NO. 5)

Staked KM Distance: KM 5+040 to KM 5+853

Sheet :- 4 of :- 4

PORTION
(KM 2+291 - KM 5+853)

UPGRADE OF ROAD D365
LONGITUDINAL SECTION

Scale
HORIZONTAL - 1:1000
VERTICAL - 1:100

REV. 00

Contract No.:- ZNB00583/00000/00/HOD/INF/21/T

Plan No.:- C46940

C46940