STRUCTURES SETTING-OUT DATA FOR BRIGHTON INTERCHANGE

STRUCTURE NAME	X = 0.000	Y = 0.000	COVER LEVEL	INVERT LEVEL DEPTH
MH68	3 746 660.361	26 238.642	98.641	98.000 0.641
MH70	3 746 606.677	26 295.636	97.746	97.002 0.744
MH81	3 746 408.245	26 576.914	95.261	94.620 0.641
MH82	3 746 389.188	26 566.504	95.151	94.501 0.650
MH85	3 746 598.936	26 287.344	101.594	97.161 4.434
MH86	3 746 574.829	26 261.543	101.678	97.690 3.988
MH89	3 746 658.026	26 234.653	99.000	97.800 1.200
MH90	3 746 645.727	26 213.963	98.970	97.970 1.000
MH91	3 746 408.212	26 524.817	95.989	95.200 0.790
MH92	3 746 431.285	26 537.010	96.076	95.435 0.641
MH93	3 746 405.279	26 575.294	96.048	94.596 1.451
MH94	3 746 392.288	26 568.198	96.017	94.515 1.502
MH95	3 746 427.029	26 534.761	97.501	95.373 2.128
MH96	3 746 413.726	26 527.731	97.518	95.223 2.295
MH98	3 746 508.360	26 400.542	100.688	99.983 0.705
MH100	3 746 566.781	26 327.682	101.058	100.025 1.033
MH101	3 746 485.477	26 372.205	101.690	100.749 0.941
MH102	3 746 505.184	26 392.980	103.180	100.133 3.047
MH103	3 746 542.100	26 301.758	103.603	100.735 2.868
MH104	3 746 562.077	26 322.741	103.684	100.156 3.528
MH297	3 746 492.627	26 350.104	97.125	96.611 0.514
MH298	3 746 522.980	26 388.766	97.122	96.120 1.002
MH299	3 746 452.546	26 491.441	100.104	95.460 4.644
MH300	3 746 455.807	26 493.353	96.285	95.285 1.000
MH333	3 746 743.265	26 596.572	95.569	94.670 0.899
MH334	3 746 704.004	26 626.570	94.871	93.972 0.899

DRAINAGE LEGEND

- 45/1 — DRAINAGE ITEM REFERENCE
- NEW STORMWATER PIPE
- CULVERT INLET / OUTLET
- GRID INLET
- SIDE INLET WITH DOWN CHUTE AND ENERGY DISSIPATOR
- BERM INLET WITH DOWN CHUTE AND GRID CHAMBER
- CATCHWATER BERM
- NEW STORMWATER MANHOLE
- KERB INLET
- JUNCTION BOX
- STORMWATER OPEN DRAIN
- EXISTING STORMWATER PIPE CULVERT
- EXISTING STORMWATER GRID INLET
- CONCRETE MEDIAN DRAIN
- CONCRETE LINED DRAIN
- STONE PITCHED DRAIN
- GRASS SODDED DRAIN
- F-TYPE SIDE DRAIN OUTLET
- EARTH SHALLOW DRAIN
- DAYLIGHT DRAIN
- FIELD INLET
- EXISTING STORMWATER MAHOLE
- EXISTING KERB INLET

GENERAL NOTES:

1. SERVICES INFORMATION PROVIDED WERE EXTRACTED FROM GIS INFORMATION PROVIDED BY CITY OF CAPE TOWN MUNICIPALITY AND OTHER SERVICE PROVIDERS. EXACT POSITIONS OF ALL SERVICES TO BE VERIFIED WITH THE RESPECTIVE SERVICE PROVIDERS PRIOR TO COMMENCEMENT OF THE DETAIL DESIGN PHASE.

SERVICE NOTES:

1. WATER AND SEWER PIPE:
   - LONG SKEW CROSSINGS TO BE RELOCATED PERPENDICULAR TO ROAD WHERE POSSIBLE.
   - VALVE CHAMBERS AND MANHOLES TO BE RELOCATED OUTSIDE OF EXTENT OF WIDENED ROADWAY.
   - SIZE & CLASS OF PIPES TO BE AS PER SERVICE OWNER SPECIFICATIONS UNDER ROADWAY.
2. THE CONTRACTOR MUST INFORM THE ENGINEER AS SOON AS POSSIBLE SHOULD ANY DISCREPANCIES AND/OR AMBIGUITIES ARISE FROM INFORMATION PROVIDED ON THIS DRAWING.
3. FOR ALL TYPICAL ROAD CROSS-SECTIONS, REFER TO DRAWINGS 312-00827-01-RTC01 TO RTC08.
4. FOR ALL PAVEMENT DETAILS, REFER TO DRAWINGS 312-00827-01-RTCP01 - 06.
5. FOR ALL ROAD SETTING-OUT DATA, REFER TO DRAWINGS 312-00827-01-
6. FOR ALL LONGSECTION INFORMATION, REFER TO DRAWINGS 312-00827-01-N1LS01 - 32, BFLS01 - 02, OVLS01 - 06, BRLS01 - 03, JVLS01 - 05 & KHLS01 - 06.
7. FOR ALL ROAD CROSS-SECTION INFORMATION,REFER TO DRAWINGS 312-00827-01-N1CS01 - 61, BFCS01 - 06, OVCS01 - 08, BRCS01 - 14, JVCS01 - 18 & KHCS01 - 12.
8. FOR ALL EXISTING SERVICES INFORMATION, REFER TO THE SERVICES LAYOUTS 312-00827-01-N1SL01 - 14, BFSL01 - 02, OVSL01 - 02, JVSL01 & KHSL01 - 02

No.	DATE	REVISION
V1	08/03/2024	ORIGINAL VERSION

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BUILDING SOUTH AFRICA THROUGH BETTER ROADS

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7530

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ACCEPTANCE

THIS ACCEPTANCE IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OR LIABILITY OF ANY KIND FROM WHATSOEVER CAUSE OR HOWEVER ARISING

for the SA NATIONAL ROADS AGENCY SOC LTD.
Date:

PROJECT DESCRIPTION
THE CAPACITY IMPROVEMENT OF NATIONAL ROUTE 1 SECTION 1 FROM OLD OAK INTERCHANGE (KM 18.90) TO KOELENHOF INTERCHANGE (KM 33.00)

DRAINAGE LAYOUT PLAN
BRIGHTON ROAD INTERCHANGE

SCALE @ A0: 1 : 1000 | SHEET 02 OF 02

PROJECT NUMBER	N001-010-2021/1	
DRAWING LOCATION DATA	START	END
ROUTE	N01	N01
SECTION	01	01
DRAWING km DISTANCE		
DRAWING TYPE	DRAINAGE - LAYOUT PLAN	
BRIDGE/STRUCTURE No.	N/A	
CONSULTANT DRAWING No.	312-00827-01-BRDL02	VER
SANRAL DOCUMENT #	XXXXXX	V1

312-00827-01-BRDL02