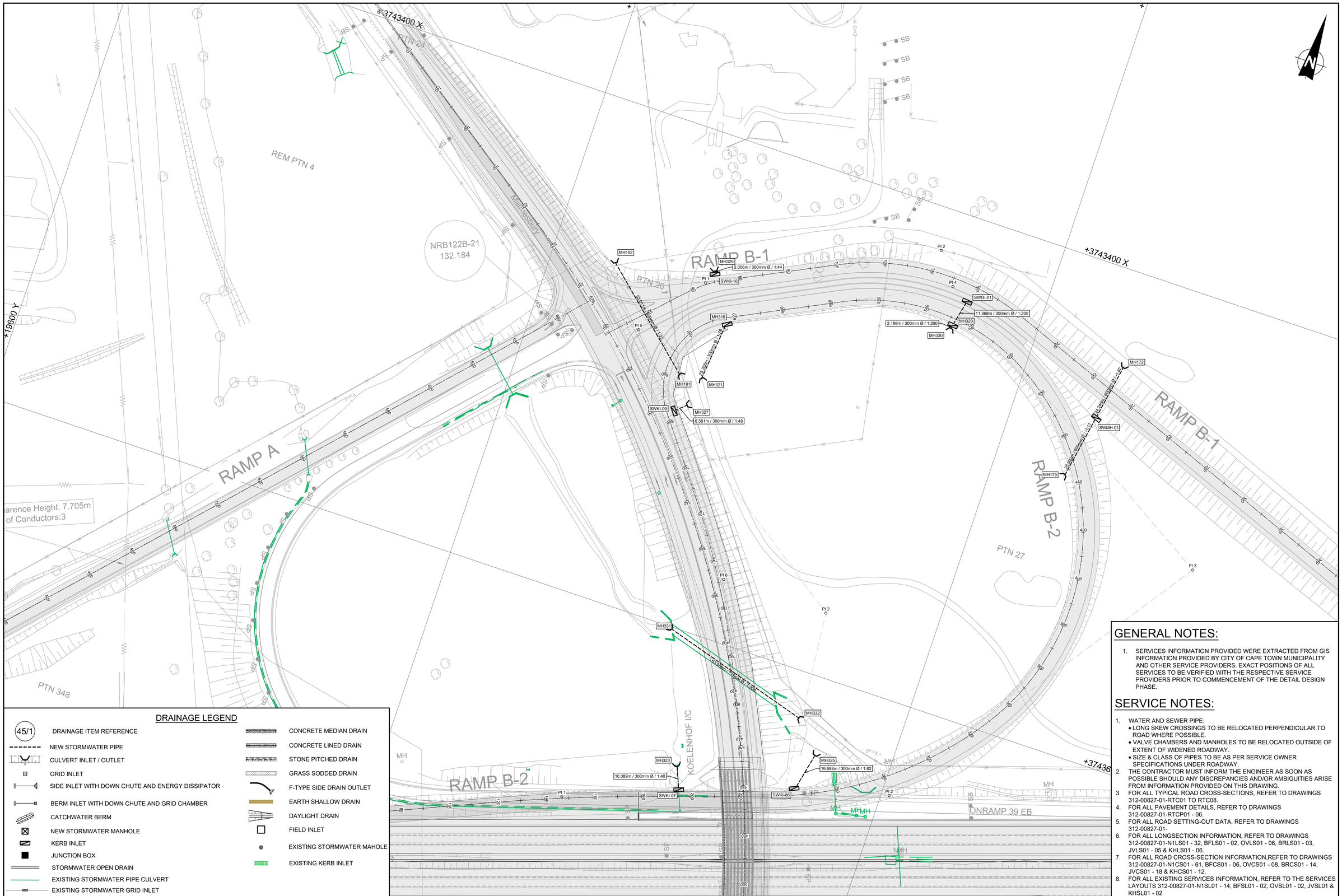


DRAINAGE LEGEND

45/1 DRAINAGE ITEM REFERENCE	CONCRETE MEDIAN DRAIN
NEW STORMWATER PIPE	CONCRETE LINED DRAIN
CULVERT INLET / OUTLET	STONE PITCHED DRAIN
GRID INLET	GRASS SODDED DRAIN
SIDE INLET WITH DOWN CHUTE AND ENERGY DISSIPATOR	F-TYPE SIDE DRAIN OUTLET
BERM INLET WITH DOWN CHUTE AND GRID CHAMBER	EARTH SHALLOW DRAIN
CATCHWATER BERM	DAYLIGHT DRAIN
NEW STORMWATER MANHOLE	FIELD INLET
KERB INLET	EXISTING STORMWATER MAHOLE
JUNCTION BOX	EXISTING KERB INLET
STORMWATER OPEN DRAIN	
EXISTING STORMWATER PIPE CULVERT	
EXISTING STORMWATER GRID 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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SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

WESTERN REGION
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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
KOELENHOF INTERCHANGE

SCALE @ A0: 1 : 1000 | SHEET 01 OF 03

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-KHDL01	VER
SANRAL DOCUMENT #	XXXXXX	V1

312-00827-01-KHDL01