LEGEND

EXISTING:
- SEWERS CL AND M.H'S
- STORMWATER CL DRAIN
- WATER MAINS CL AND VALVES
- ELECTRICITY CL(OH)
- TELECOMMS. CL (OH)
- FIBRE OPTIC CL
- ROAD CENTERLINES
- ROAD EDGE
- ROAD RESERVE
- FENCE/BOUNDARY AND GATE

PROPOSED:
- UPGRADE ROAD EDGE
- TRANSMISSION PIPE CL
- AIR VALVE
- SCOUR VALVE
- ISOLATING VALVE
- METER

NOTE:
1. ALL SERVICES DEPICTED ON THE PLAN & LONG SECTION ARE APPROXIMATE POSITIONS OF EXPECTED SERVICES OBTAINED FROM SERVICE PROVIDERS RECORDS THAT MAY BE ENCOUNTERED BY THE CONTRACTOR ALONG THE ROUTE. ALL SERVICES ARE TO BE TRACED AND PROVED IN CONJUNCTION WITH EACH SERVICE PROVIDER AND NOT LESS THAN 14 WORKING DAYS PRIOR TO EXCAVATION TO AVOID CAUSING DAMAGE TO "EXISTING SERVICES".
2. ALL SERVICES SHOWN ON PLAN AND LONG SECTION AND ALL ADDITIONAL SERVICES PROVIDED BY THE SERVICE PROVIDER(S) SHALL BE DEFINED AS "KNOWN SERVICES". NO COMPENSATION WILL BE PAID FOR DAMAGE CAUSED TO "KNOWN SERVICES".

SETTING OUT DATA

REF	Y	X
PI-A76	24802.727	3745520.249
PI-A77	24861.548	3745539.890
PI-A78	24887.688	3745548.619
PI-A79	24936.216	3745566.088
PI-A80	25074.946	3745616.031
PI-A81	25082.720	3745618.830

SETTING OUT CONTROL

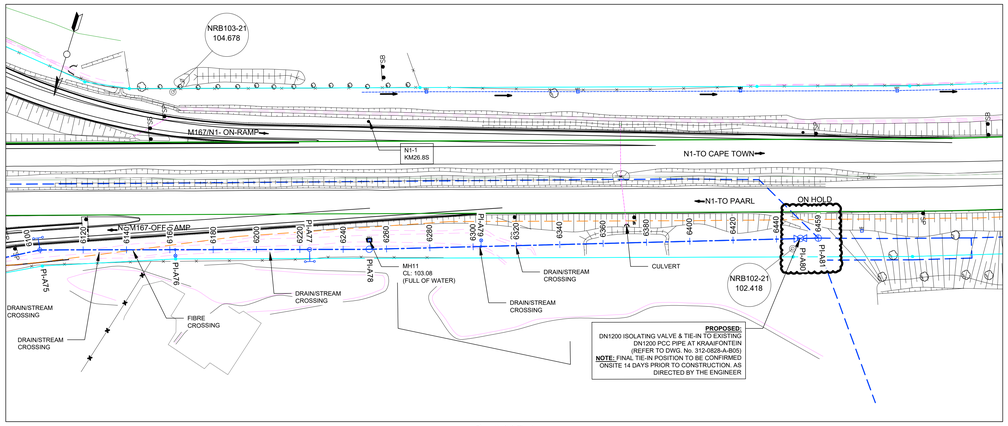
NAME	Y	X	Z	DESCRIPTION
NRB 103-21	24778.820	3745588.990	104.678	
NRB 102-21	25073.050	3745610.430	102.418	

NOTE:
1. SURVEY BASED ON LO 19, SOUTH AFRICAN SURVEY GRID, WGS84 DATUM; 18 TO 20d E
2. THE ABOVE DATA IS UNIQUE TO THIS PROJECT ONLY. THE CONTRACTOR IS PROHIBITED FROM USING FOREIGN CONTROL BEACONS.

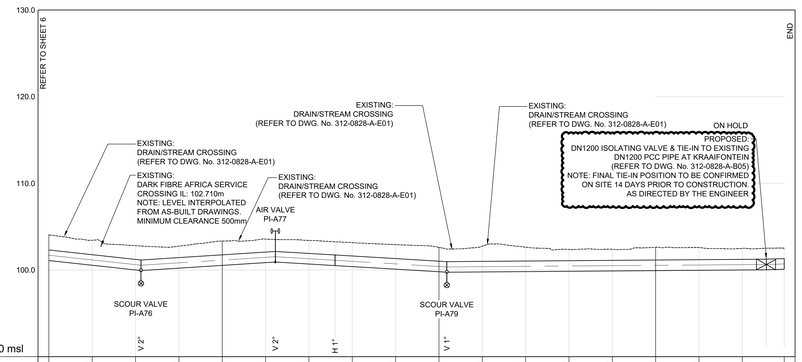
NOTE:
ALL DIMENSIONS TO BE VERIFIED ON SITE PRIOR TO THE COMMENCEMENT OF WORKS. REFER ANY DISCREPANCIES TO THE ENGINEER.

SHEET 1 | SHEET 2 | SHEET 3 | SHEET 4 | SHEET 5 | SHEET 6 | SHEET 7

KEYPLAN



PLAN VIEW
SCALE - 1:1000



VER- 1: 250
HOR- 1: 1000

DATUM : 90.000 msl

PEG DISTANCE AT CH (m)	6120	6140	6160	6180	6200	6220	6240	6260	6280	6300	6320	6340	6360	6380	6400	6420	6440	6459			
GROUND LEVEL AT CH	104.1	103.4	102.8	102.7	103.3	103.6	103.4	103.2	102.9	102.6	102.7	102.6	102.4	102.4	102.8	102.6	102.5				
INVERT LEVEL AT CH	101.1	100.6	100.0	100.2	100.5	100.9	100.7	100.4	100.1	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0				
DEPTH TO IL AT CH (m)	2.9	2.9	2.8	2.5	2.8	2.7	2.7	2.8	2.8	2.8	3.0	2.8	2.5	2.5	2.7	2.6	2.5				
PI REFERENCE	PI-A75		PI-A76			PI-A77		PI-A78		PI-A79								PI-A80		PI-A81	
PEG DISTANCE AT PI (m)	6100.1		6162.5			6224.5		6252.0		6303.6								6451.1		6459.3	
GROUND LEVEL AT PI			102.8			103.5		103.2		102.4								102.5		102.5	
INVERT LEVEL AT PI	101.6		99.9			100.9		100.5		99.8								100.0			
DEPTH TO IL AT PI (m)	2.9		2.8			2.6		2.7		2.7								2.5		2.4	
GRADE 1:		- 36.733			62.848			- 67.122		- 67.122				522.671				133.107			
PIPE DESCRIPTION	DN1200 x 10mm THICK x GRADE X42, CEMENT MORTAR LINED, CEMENT MORTAR SHEATHING, CONTINUOUSLY WELDED STEEL PIPE																				
CUMULATIVE LENGTH	6070.45		6132.89			6194.92		6222.48		6274.06								6421.51		6459.33	

LONGITUDINAL SECTION
SCALE - V 1:250
H 1:1000

ORIGINAL SCALE: 1:100

No.	DATE	REVISION	CONSULT. ENG.
V1	27/11/2023	ORIGINAL VERSION	

CONSTRUCTION RECORD (AS-BUILT)
WORKS CONTRACT ENGINEER
Name :
Prof. Reg. No. :
Date
SANRAL PROJECT MANAGER
Name :
Date :

HEAD OFFICE
48 Tambotie Avenue
Val de Grace
Pretoria
0184

PO Box 415
Pretoria 0001
South Africa

Tel: (012) 844 8000

SANRAL
SOUTH AFRICAN NATIONAL ROADS AGENCY SOC LTD
Reg.No. 1998/009584/30
BUILDING SOUTH AFRICA THROUGH BETTER ROADS

WASTERN REGION
1 Havenga Street
Oakdale
Bellville
7530

Private Bag X19
Bellville
7535
6034

Tel: (021) 957 4600

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 THE NATIONAL ROUTE 1 SECTION 1 FROM OLD OAK INTERCHANGE (KM 18.90) TO KOELENOFF INTERCHANGE (KM 33.00)

DRAWING DESCRIPTION
N1 - WEMMERSHOEK PIPELINE RELOCATION
SECTION A - KOELENHOF TO KRAAIFONTEIN
DN1200 PLAN AND LONGITUDINAL SECTION

SCALE : AS SHOWN | SHEET 7 OF 7

PROJECT NUMBER	N.001-010-2021/1	
DRAWING LOCATION DATA	START	END
ROUTE	N01	N01
SECTION	01	01
DRAWING km DISTANCE	18.90	33.00
DRAWING TYPE	ROADS-UTILITIES	
BRIDGE/STRUCTURE No.	-	
CONSULTANT DRAWING No.	312-0828-A-A07	VER V 1
SANRAL DOCUMENT #	-	