



DR NKOSAZANA DLAMINI ZUMA MUNICIPALITY

BULWER ASPHALT SURFACING ROADS PHASE 8

NTOKOZWENI ROAD: WARD 10

CONTRACT N⁰ PWBS-B024/22/23

BOOK OF DRAWINGS

Prepared for:

***Dr Nkosazana Dlamini Zuma Municipality
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Creighton
3263
Tel: 039 – 833 1038
Fax: 039 – 833 1039***

Prepared by:

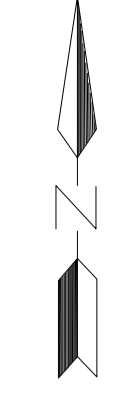
***Shardesh Sewlal & Associates cc
1 Huntley Place
Westville
3629
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BOOK OF DRAWINGS – INDEX


CIVIL DRAWINGS	
DRAWING NUMBER	DRAWING DESCRIPTION
1. UA1215-01-001-LYT-T-00	Overall Road Layout Plan
2. UA1215-01-002-LYT-T-00	General Road Layout Plan: km 0+000 to km 0+360
3. UA1215-01-003-LYT-T-00	General Road Layout Plan: km 0+360 to km 0+600
4. UA1215-01-004-LS-T-00	Long Section
5. UA1215-01-005-CS-T-00	Cross Sections
6. UA1215-01-006- DET-T-00	Standard Details
7. MIG SIGN BOARD	Mig Sign Board



BULWER - NTOKOZWENI ROAD -
 CONCRETE ROAD LAYOUT PLAN
 CHAINAGE KM0+000 TO KM 0+600
 Scale 1:750



CLIENT:



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 Facsimile No.: (039) 833 1179

CONSULTANT:



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DRAWING REVISIONS

REV	DATE	DRAWN	CHECKED	DESCRIPTION

PROJECT NAME:

**UPGRADING OF ROADS IN
 BULWER TO CONCRETE
 ROADS**

DRAWING TITLE:

**GENERAL ROAD
 LAYOUT PLAN:
 NTOKOZWENI ROAD -
 KM 0+000 TO KM 0+600
 (PHASE 1 - KM 0+000 TO KM 0+500)**

RESPONSIBLE PERSONNEL	SIGNATURE	DATE
DESIGNED	LH	06/08/2022
DRAWN	LH	06/08/2022
CHECKED	SS	06/08/2022
APPROVED	SS	06/08/2022
SCALE	AS SHOWN	

APPROVED - CLIENT

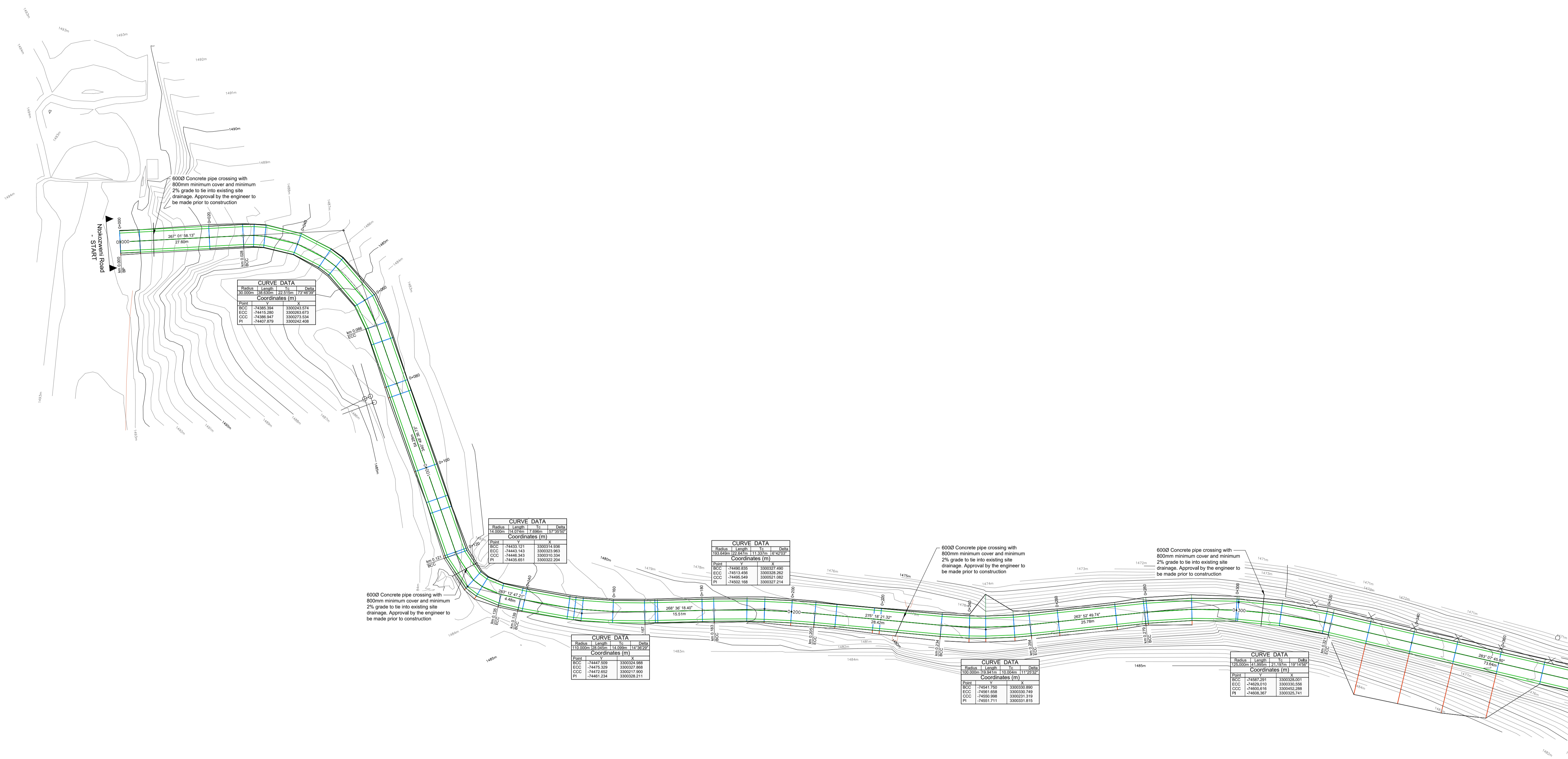
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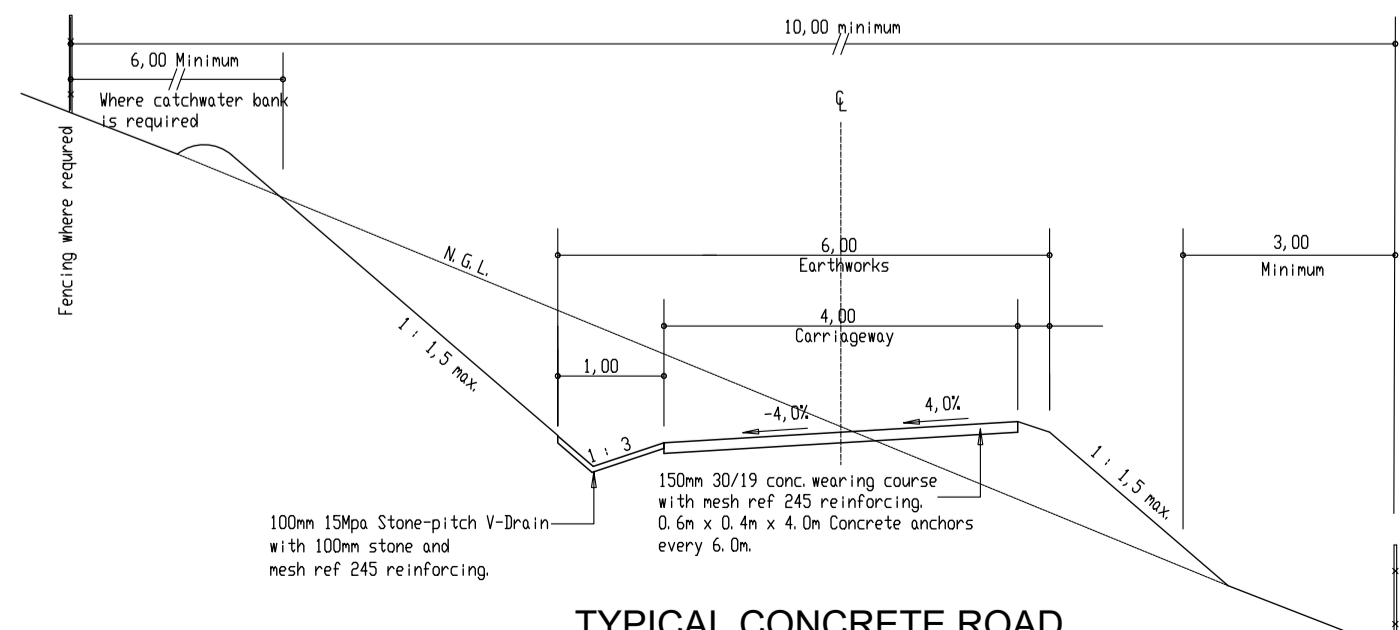
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DESIGN	A1	1 of 6	-

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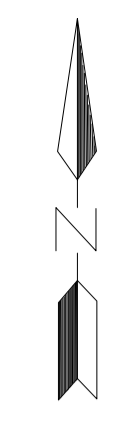


**BULWER - NTOKOZENI ROAD -
CONCRETE ROAD LAYOUT PLAN
CHAINAGE KM0+000 TO KM 0+360**
Scale 1:500




**TYPICAL CONCRETE ROAD
SECTION - TYPE 7A LOCAL ROAD
OR BY-ROAD (STEEP TERRAIN)**

- NOTES:**
- Phase 1 construction road is 500m, but the total road approximately 1.8KM in length and 600m has been designed
 - Carriageway will be 4m wide
 - All cut banks to include concrete V-drains
 - All V-drains chutes onto natural ground need to be stone pitched to avoid erosion
 - Drainage will be determined by Contractor and Engineer on site and agreed upon prior to construction. Approximately 7 crossings are to be allowed for under Phase 1 construction
 - Access road which ties into existing roads are to be a Type B1 or B3 as per standard details



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REV	DATE	DRAWN	CHECKED	DESCRIPTION

PROJECT NAME:

**UPGRADING OF ROADS IN
BULWER TO CONCRETE
ROADS**

DRAWING TITLE:

**GENERAL ROAD
LAYOUT PLAN:
NTOKOZENI ROAD -
KM 0+000 TO KM 0+360
(PHASE 1 - KM 0+000 TO KM 0+500)**

RESPONSIBLE PERSONNEL	SIGNATURE	DATE
DESIGNED	LH	06/08/2022
DRAWN	LH	06/08/2022
CHECKED	SS	06/08/2022
APPROVED	SS	06/08/2022
SCALE	AS SHOWN	

APPROVED - CLIENT

SIGNATURE	DATE

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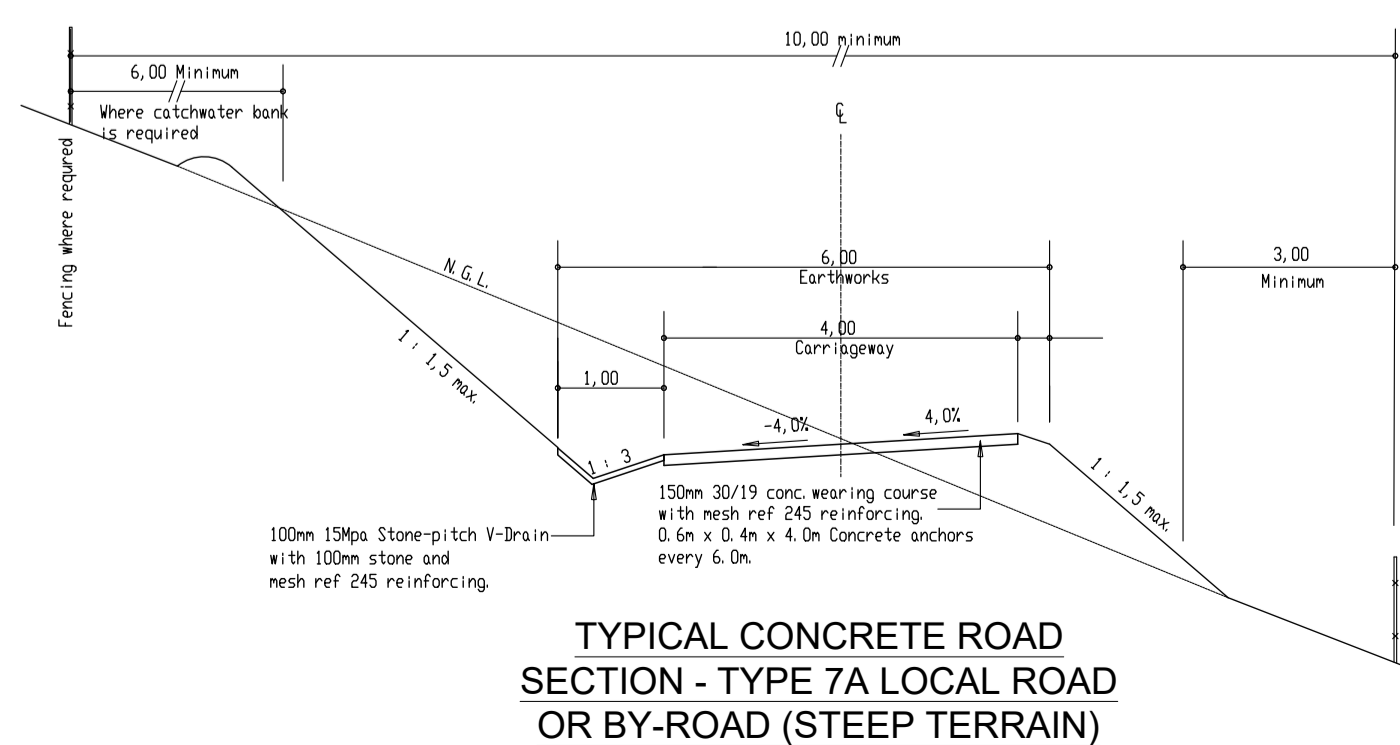
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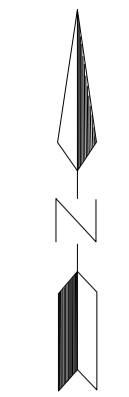
**BULWER - NTOKOZWENI ROAD -
CONCRETE ROAD LAYOUT PLAN
CHAINAGE KM0+360 TO KM0+600**
Scale 1:500



**TYPICAL CONCRETE ROAD
SECTION - TYPE 7A LOCAL ROAD
OR BY-ROAD (STEEP TERRAIN)**

NOTES:

- Phase 1 construction road is 500m, but the total road approximately 1.8KM in length and 600m has been designed
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REV	DATE	DRAWN	CHECKED	DESCRIPTION

PROJECT NAME:
**UPGRADING OF ROADS IN
BULWER TO CONCRETE
ROADS**

DRAWING TITLE:
**GENERAL ROAD
LAYOUT PLAN:
NTOKOZWENI ROAD -
KM 0+000 TO KM 0+600
(PHASE 1 - KM 0+000 TO KM 0+500)**

RESPONSIBLE PERSONNEL	SIGNATURE	DATE
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DRAWN	LH	06/08/2022
CHECKED	SS	06/08/2022
APPROVED	SS	06/08/2022
SCALE	AS SHOWN	


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PROJECT NUMBER	DRAWING NUMBER		
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STAGE	SHEET SIZE	SHEET No.	REVISION
DESIGN	A1	3 of 6	-

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PROJECT NAME:

**UPGRADING OF ROADS IN
BULWER TO CONCRETE
ROADS**

DRAWING TITLE:

LONG-SECTION

NTOKOZWENI ROAD -
KM 0+000 TO KM 0+600
(PHASE 1 - KM 0+000 TO KM 0+500)

RESPONSIBLE PERSONNEL	SIGNATURE	DATE
DESIGNED	LH	06/08/2022
DRAWN	LH	06/08/2022
CHECKED	SS	06/08/2022
APPROVED	SS	06/08/2022
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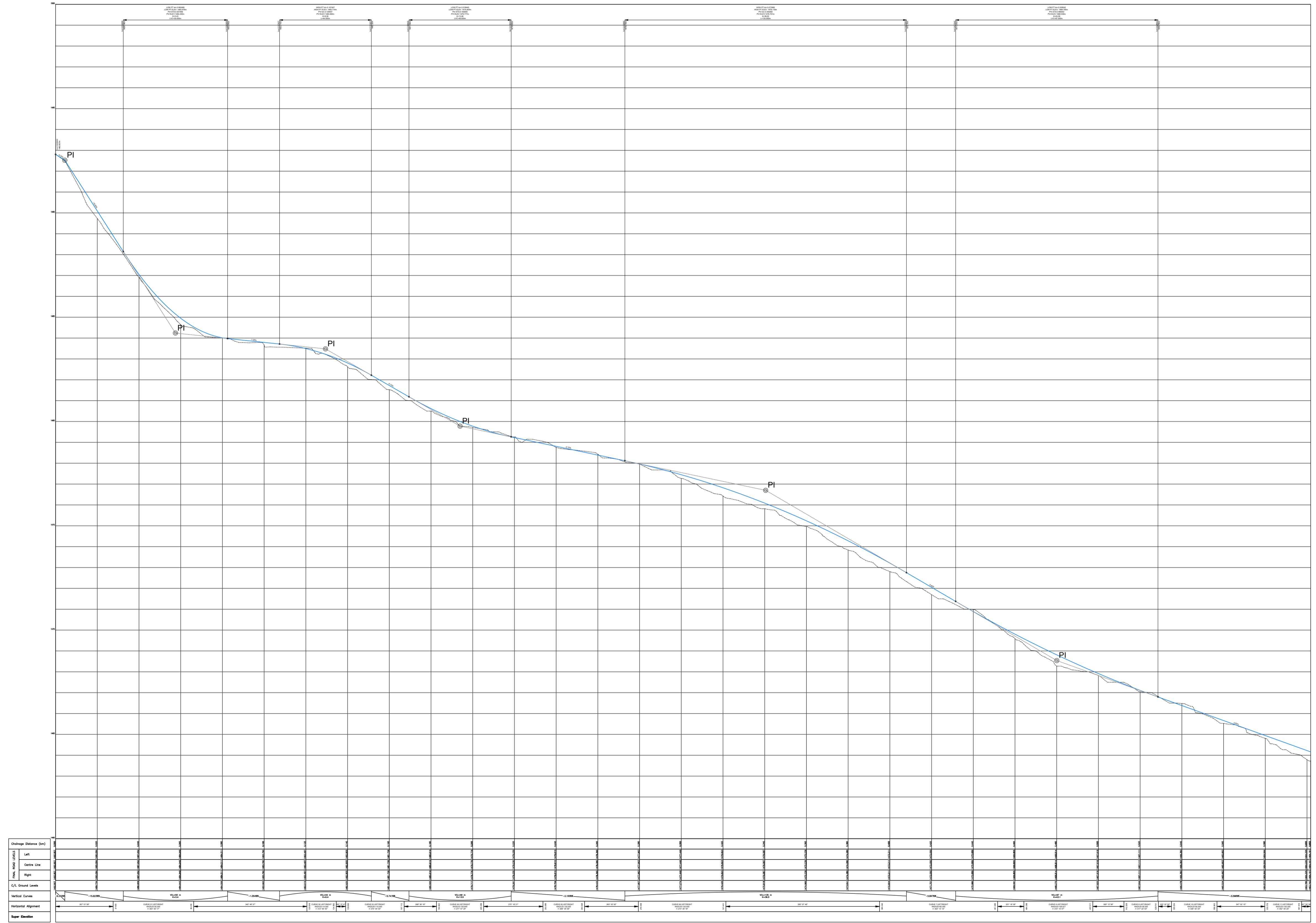
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UA1215/01	UA1215-01-004-LS-T-00

STAGE	SHEET SIZE	SHEET No.	REVISION
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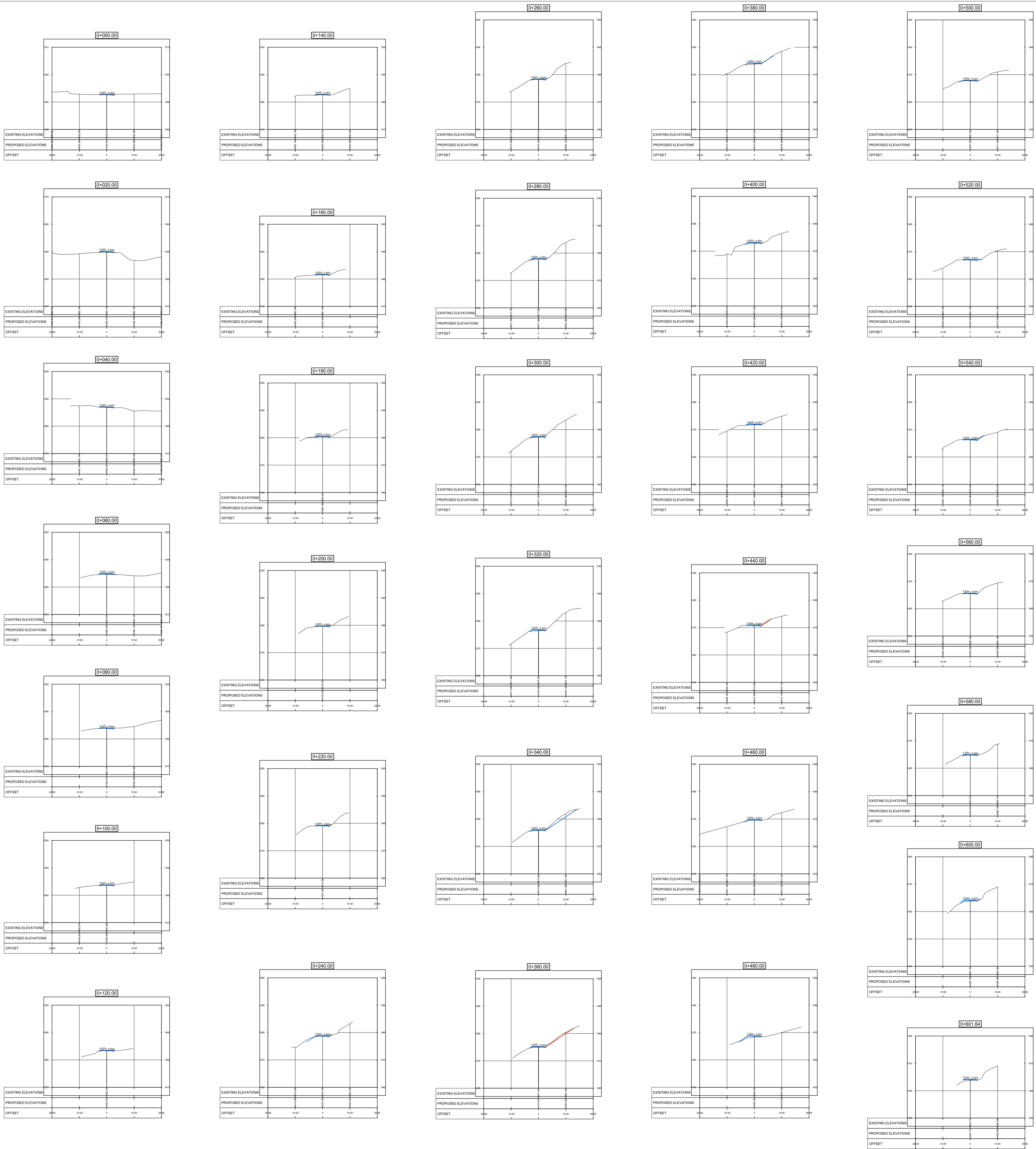
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LONGSECTION HA - NTOKOZWENI ROAD
SCALE 1:250

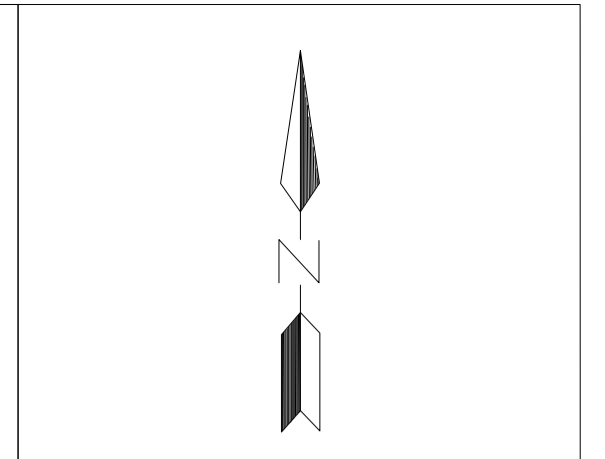
**BULWER - NTOKOZWENI ROAD -
CONCRETE ROAD LONG-SECTION**
CHAINAGE KM0+000 TO KM 0+600
Scale 1:1000

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**BULWER - NTOKOZWENI ROAD -
CROSS-SECTIONS
CHAINAGE KM0+000 TO KM 0+600**
Scale 1:750

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DRAWING TITLE:

CROSS SECTIONS

NTOKOZWENI ROAD -
KM 0+000 TO KM 0+600
(PHASE 1 - KM 0+000 TO KM 0+500)

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SCALE	AS SHOWN	

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DATE

PROJECT NUMBER	DRAWING NUMBER		
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STAGE	SHEET SIZE	SHEET No.	REVISION
DESIGN	A1	5 of 6	-

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1230 mm

DR NKOSAZANA DLAMINI ZUMA MUNICIPALITY

NTOKOZWENI ROAD

Consulting Engineer

Shardesh Sewlal & Associates cc

Contractor

Contract Duration

5 Months

Financiers:

Municipal Infrastructure Grant (MIG)



**Cooperative Governance
& Traditional Affairs**

Department:
Co-operative Governance and Traditional Affairs
REPUBLIC OF SOUTH AFRICA

mig

**Municipal
Infrastructure
Grant**



cogta

Department:
Co-operative Governace and Traditional Affairs
PROVINCE OF KWAZULU-NATAL



NDZ MUNICIPALITY

1500 mm