



**SENQU LOCAL MUNICIPALITY
PROJECT MANAGEMENT UNIT**

PROJECT NO. 115/2025_2026T

FOR

**THE CONSTRUCTION OF 6KM PAVED ROADS
WITH STORMWATER CONTROL IN NEW REST
(WARD 8 - PHASE 1)**

VOLUME 2

TENDER DRAWINGS

MAY 2026

DRAWINGS COMPILED FOR:

THE MUNICIPAL MANAGER

SENQU LOCAL MUNICIPALITY
19 Murray Street
Lady Grey
9755

Tel: 051 003 2700
Email: zihleo@senqu.gov.za



DRAWINGS COMPILED BY:

THEWO & SMMMS - JV



Sigodi Marah Martin
Management Support
Development & Engineering Consultants

58 Brebner Road
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Bloemfontein
9301

Tel: +27 (051) 430 1321

Email: pmo@thewo.co.za

DRAWING INDEX

ROAD NAME	REFERENCE	SHEET	DRAWING No.
LOCALITY MAP			P-SM01-PMO-CE-L-100
ROAD 2	LONGSECTION & LAYOUT	SHEET 1 OF 1	AF21/P/LS/08
ROAD 2 & 3	LONGSECTION & LAYOUT	SHEET 1 OF 6	AF21/P/LS/02
ROAD 4	LONGSECTION & LAYOUT	SHEET 2 OF 6	AF21/P/LS/03
ROAD 4B	LONGSECTION & LAYOUT	SHEET 3 OF 6	AF21/P/LS/04
ROAD 5	LONGSECTION & LAYOUT	SHEET 4 OF 6	AF21/P/LS/05
ROAD 6	LONGSECTION & LAYOUT	SHEET 5 OF 6	AF21/P/LS/06
ROAD 7 & 8	LONGSECTION & LAYOUT	SHEET 6 OF 6	AF21/P/LS/07
ROAD C6	LONGSECTION & LAYOUT	SHEET 1 OF 1	AF21/P/LS/13
ROAD 5B & 6B	LONGSECTION & LAYOUT	SHEET 1 OF 1	AF21/P/LS/12
ROAD C5	LONGSECTION & LAYOUT	SHEET 1 OF 1	AF21/P/LS/11
ROAD 1C	LONGSECTION & LAYOUT	SHEET 1 OF 1	AF21/P/LS/10
ROAD C3	LONGSECTION & LAYOUT	SHEET 1 OF 1	AF21/P/LS/09
ROAD C2	LONGSECTION & LAYOUT	SHEET 1 OF 1	AF21/P/LS/08
ROAD 7&8	LONGSECTION & LAYOUT	SHEET 6 OF 6	AF21/P/LS/07
ROAD 6	LONGSECTION & LAYOUT	SHEET 5 OF 6	AF21/P/LS/06
ROAD 5	LONGSECTION & LAYOUT	SHEET 4 OF 6	AF21/P/LS/05
ROAD 4B	LONGSECTION & LAYOUT	SHEET 3 OF 6	AF21/P/LS/04
ROAD 4	LONGSECTION & LAYOUT	SHEET 2 OF 6	AF21/P/LS/03
ROAD 2 & 3	LONGSECTION & LAYOUT	SHEET 1 OF 6	AF21/PLS/02
STORMWATER	LONGSECTION & LAYOUT	SHEET 1 OF 2	P1027-BE-CIV-LS-01
STORMWATER	LONGSECTION & LAYOUT	SHEET 2 OF 2	P1027-BE-CIV-LS-01
SLAB REINFORCEMENT			P-SM01-PMO-CE-M-103
PIPE BEDDING			P-SM01-PMO-CE-M-104
KERB APRON & SUPPORT DETAILS			P-SM01-PMO-CE-M-105
KERB INLET TYPES			P-SM01-PMO-CE-M-102
KERB INLET SECTION			P-SM01-PMO-CE-M-100
JUNCTION BOX DETAIL			P-SM01-PMO-CE-M-106
HEADWALL OR OUTLET DETAIL			P-SM01-PMO-CE-M-107
FIELD INLET DETAIL			P-SM01-PMO-CE-M-101
NAMEBOARD NOTICE			P-SM01-PMO-CE-S-NB01

CLIENT:



19 Murray Street
Lady Grey
9755
Tel: (051) 603 1449
Email:
vamrensburg@serqu.gov.za

CONSULTANT:



Thewo Engineering
58 Braibner Road
Westdene
Bloemfontein
9301
Miami Cuku
Tel: +27 (051) 430 1321
Email: pmog@thewo.co.za

PROFESSIONAL ENGINEER:

M. CUKU
PROF. Reg.No:
2025302631
DATE:
SIGNATURE:

DESIGN BY:

D. RWAZEMBA
DRAWN BY:
D. RWAZEMBA
CHECKED BY:
M. CUKU
APPROVED BY:
M. CUKU

REVISIONS

REV	DATE	DESCRIPTION	BY

PROJECT NAME

THE CONSTRUCTION OF 6KM PAVED ROADS WITHSTORMWATER
CONTROL IN NEW REST (WARD 8- PHASE 1)

TITLE

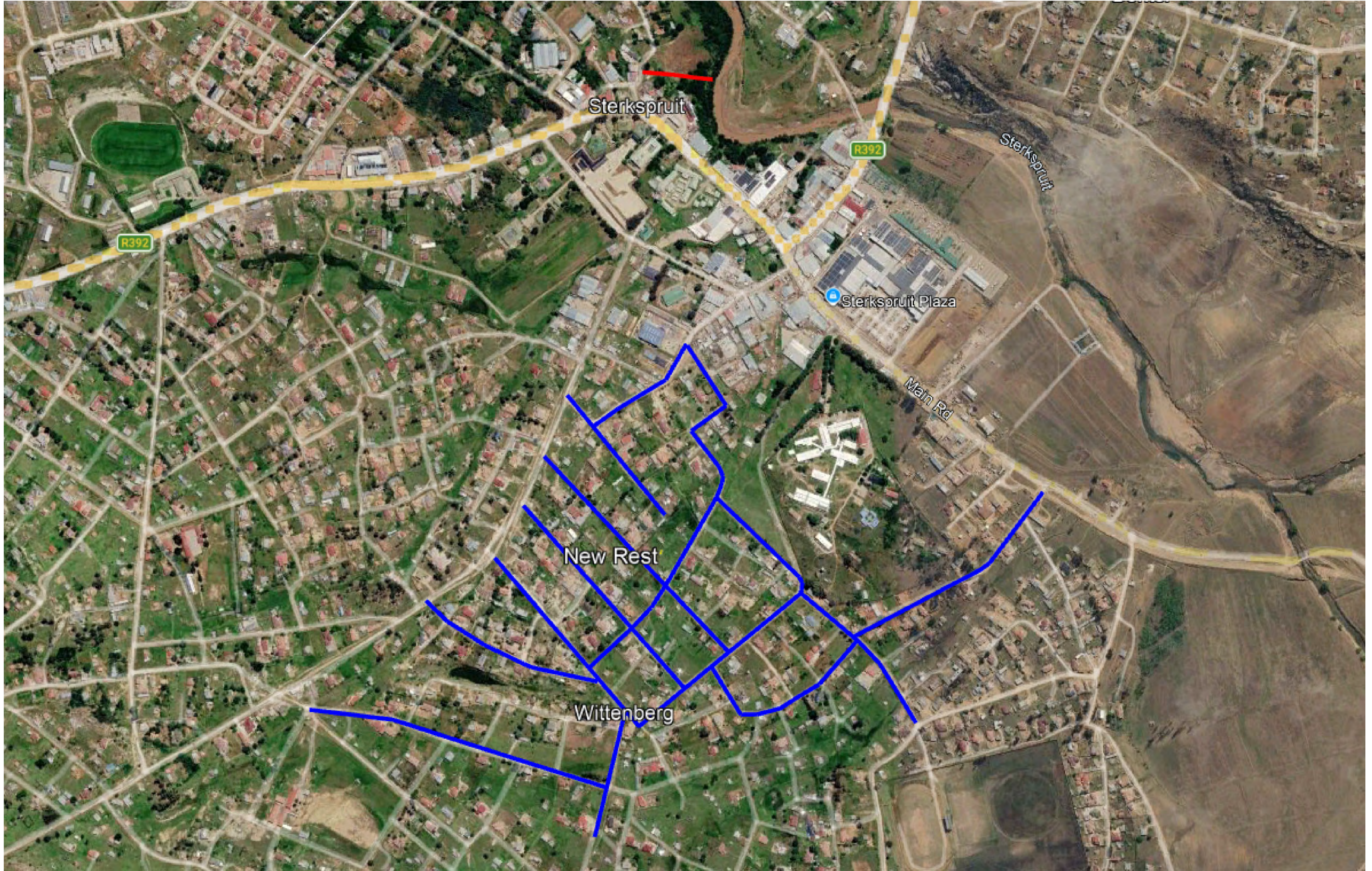
DRAWING INDEX

PROJECT STATUS:

TENDER

DATE	SCALE	SHEET	REV	A1
2026-05-18	N.T.S		1	

DWG NO



CLIENT:



19 Murray Street
 Lady Grey
 9756
 Tel: (051) 803 1449
 Email: varzjh@senou.gov.za

CONSULTANT:



58 Brabner Road
 Westdene
 Bloubaai
 8001
 Tel: +27 (051) 430 1321
 Email: pm@thewo.co.za

PROFESSIONAL ENGINEER:

M. CUKU
 PROF. Reg No:
 2023302631
 DATE:
 SIGNATURE:

DESIGN BY:

D. RWAZEMBA
 DRAWN BY:
 D. RWAZEMBA
 CHECKED BY:
 M. CUKU
 APPROVED BY:
 M. CUKU

REVISIONS

REV	DATE	DESCRIPTION	BY

PROJECT NAME

THE CONSTRUCTION OF 6KM PAVED ROADS WITH STORMWATER CONTROL IN NEW REST (WARD 8 - PHASE1)

TITLE

LOCALITY MAP

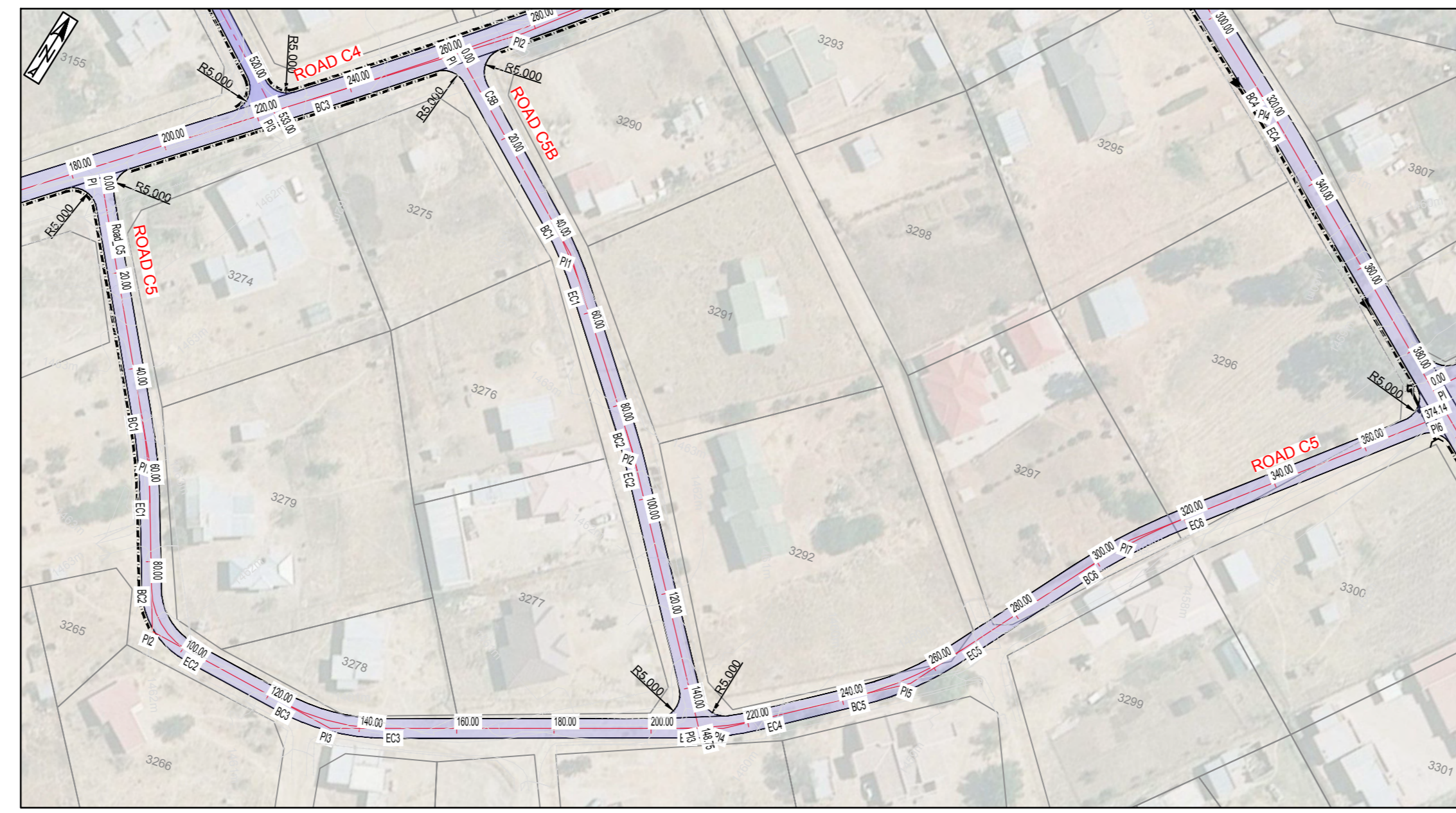
PROJECT STATUS:

TENDER

DATE	SCALE	SHEET	REV	A1
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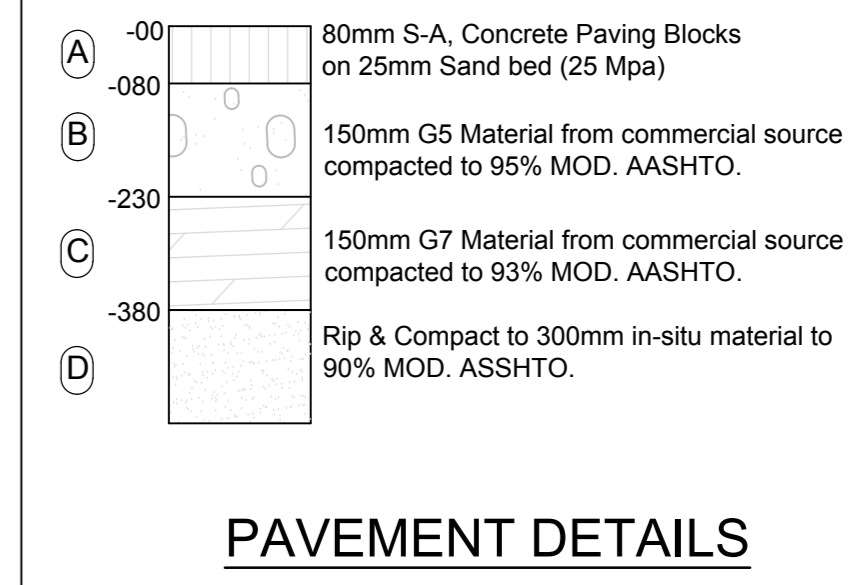
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P-SM01-PMO-CE-L-100

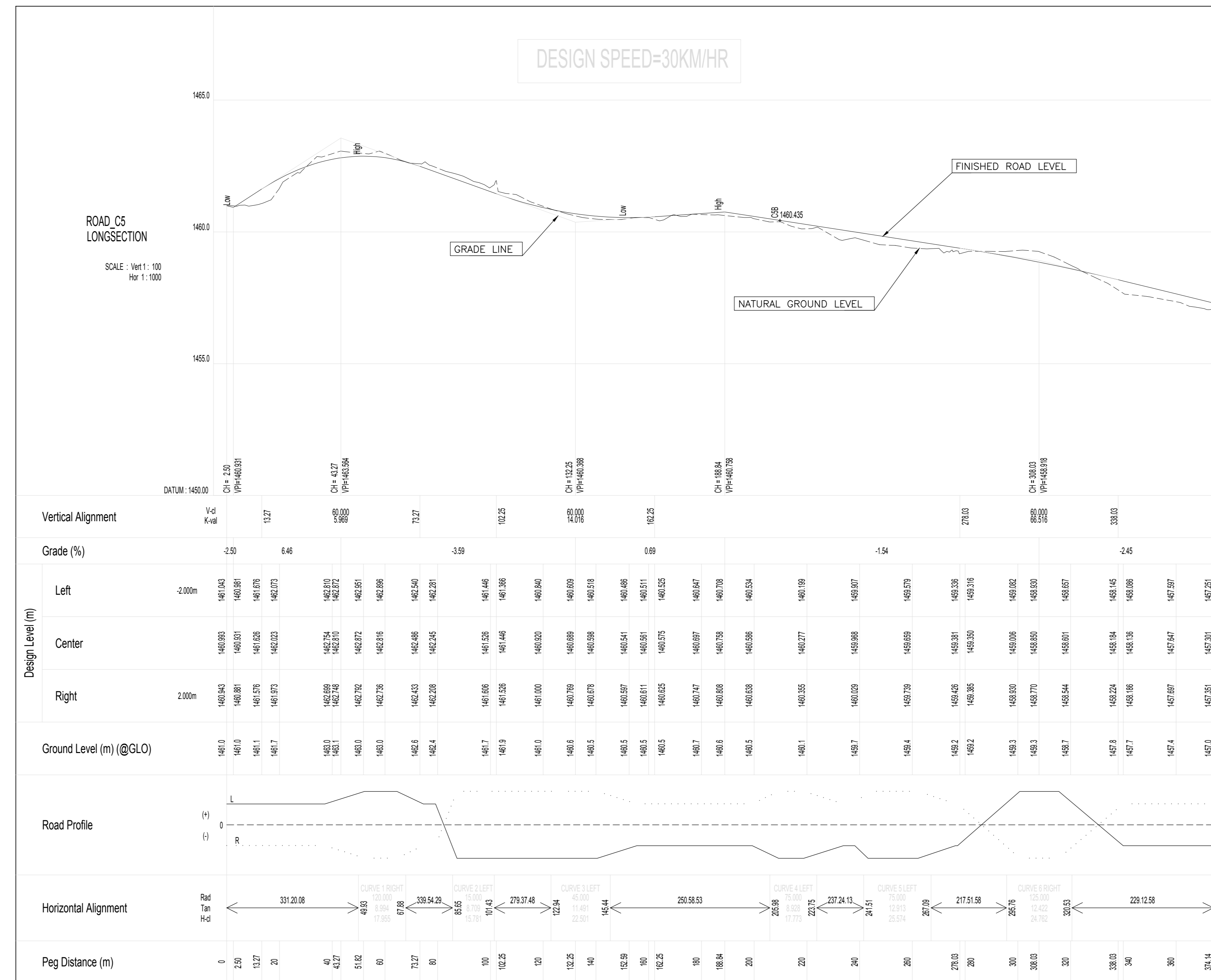
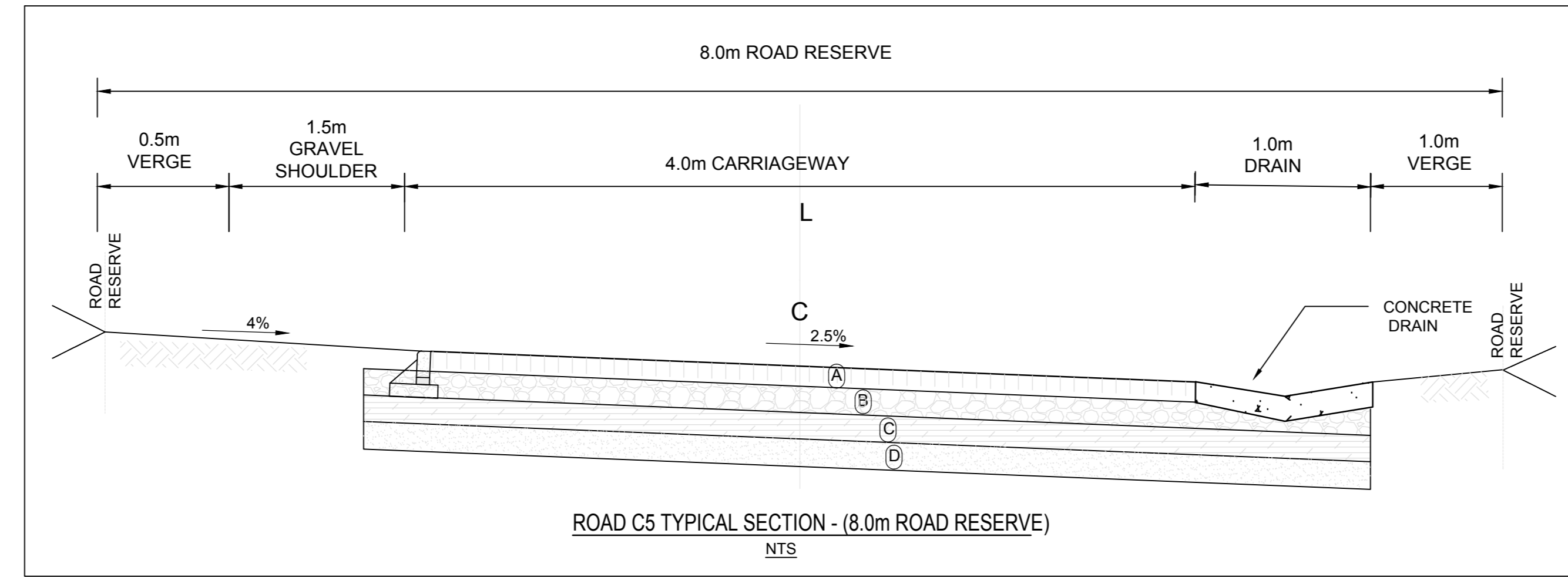
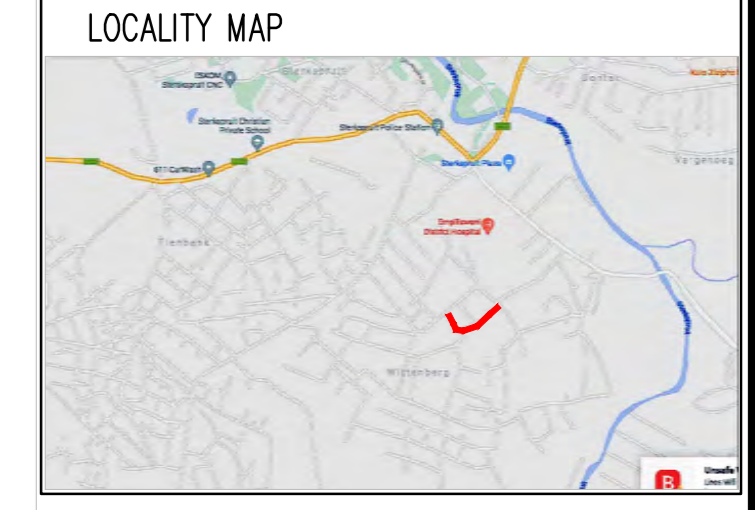
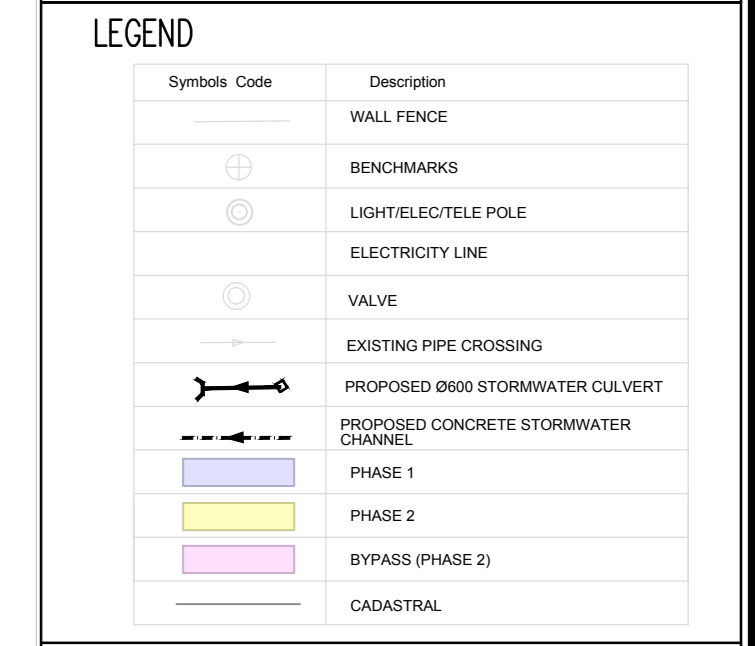


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PI3	-35783.5070	3379754.4210	122.941	45.000	145.441
PI4	-35860.0453	3379728.0388	205.980	75.000	223.753
PI5	-35893.4070	3379706.7060	241.511	75.000	267.086
PI7	-35926.5610	3379664.0660	295.764	125.000	320.526
PI6	-35976.5600	3379620.9327	374.137		

BENCHMARKS (WG27)				
NAME	Y	X	HEIGHT	DESCRIPTION
BM10	-35537.975	3379914.925	1463.792	Iron Standard
BM31	-35470.937	3379680.691	1466.864	Iron Standard
BM32	-35612.371	3379513.174	1455.373	Iron Standard



- NOTES**
- ALL DIMENSIONS TO BE VERIFIED BY THE ENGINEER ON SITE.
 - SITE TO BE CLEARED OF ALL SHRUBS AND TREES NOT EXCEEDING 150mm GIRTH OR AS DIRECTED BY THE ENGINEER ON SITE.
 - 150mm IN-SITU GRAVEL TO BE STOCKPILED IN AN AREA AS DIRECTED BY THE ENGINEER ON SITE.
 - EARTHWORKS TO BE PLACED IN LAYERS NOT EXCEEDING 150mm AND COMPACTED TO 93% MOD AASHTO.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF EXISTING FENCES DURING CONSTRUCTION.
 - ALL STORMWATER MAINS ARE PRECAST CONCRETE SPIGOT AND SOCKET PIPES, CLASS 750 ON CLASS 'C' BEDDING AND BACKFILL UNLESS OTHERWISE INDICATED ON THE LONGITUDINAL SECTIONS.
 - LEVELS OF ALL LAID PIPES TO BE CHECKED BY ENGINEER BEFORE BACKFILLING.



FOR TENDER

No.	REFERENCE DRAWINGS
0	FOR TENDER REVISIONS
21-08-30	DATE
LN	CHKD
0	APPRV

DESIGNED	LN
CHECKED	ZM
DRAWN	KM
CHECKED	LN
DATE	21-08-01

CONSULTANT:	
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CLIENT:

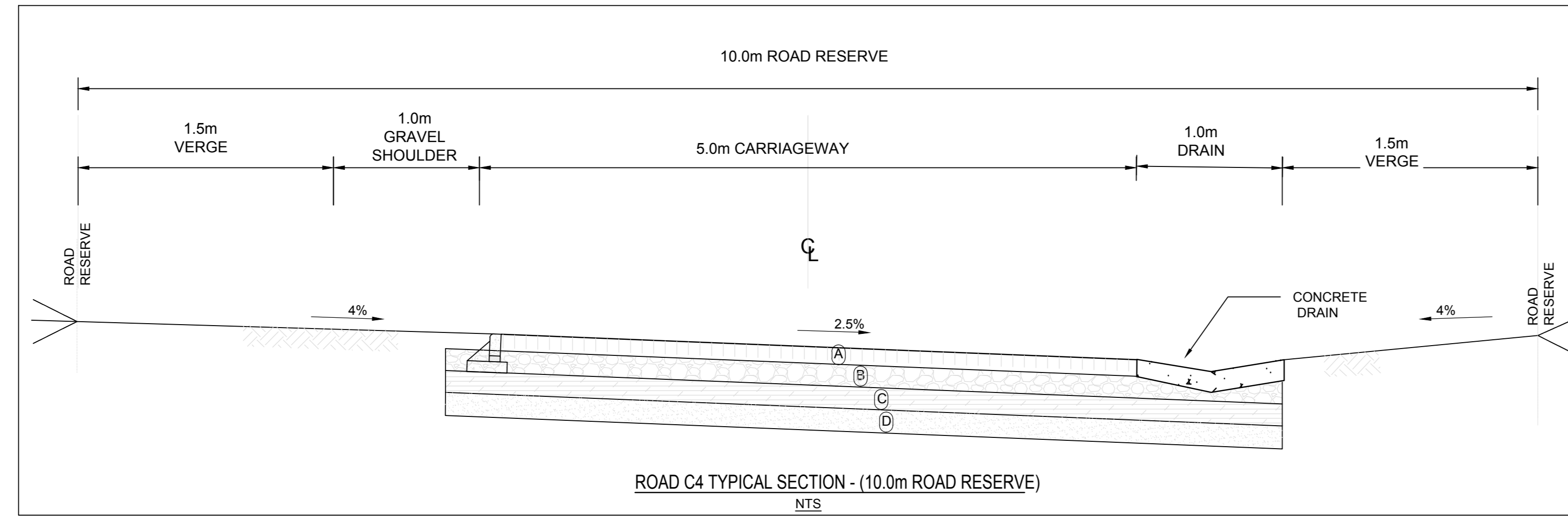
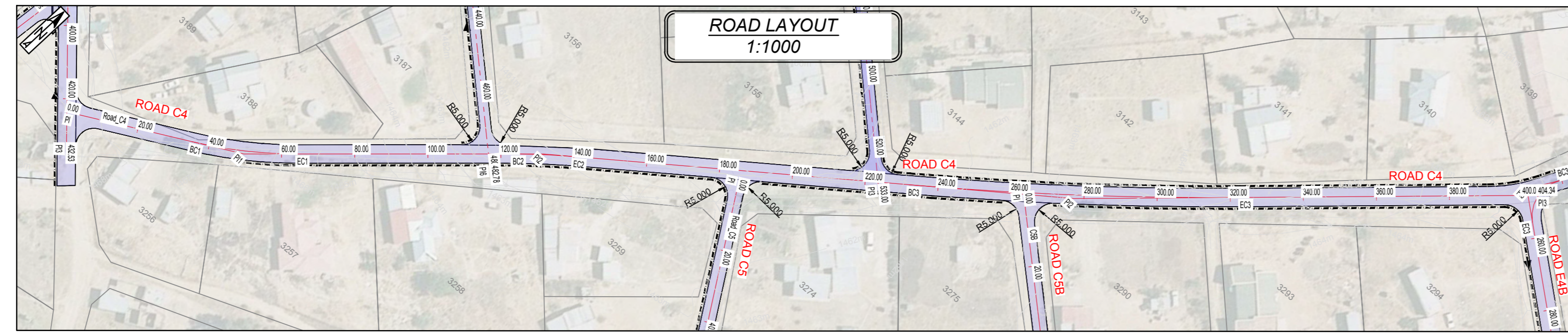
Sengo Local Municipality
Private Bag 903
Lady Grey 5755
Tel: 051 603 1301
Fax: 051 603 0445

PROJECT NAME:

STERKSPRUIT ROADS UPGRADE

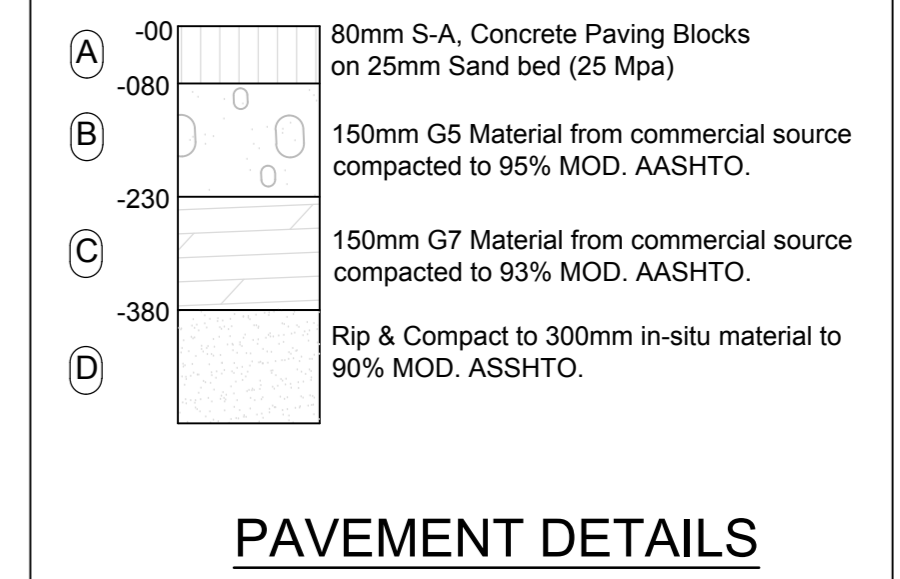
ROAD C5 LONGSECTION & LAYOUT

REFERENCE DRAWING		CONTRACT NO.	
SHEET	1 OF 1	FILE No.	
DRAWING No.	AF21P/LS/11	REVISION	0

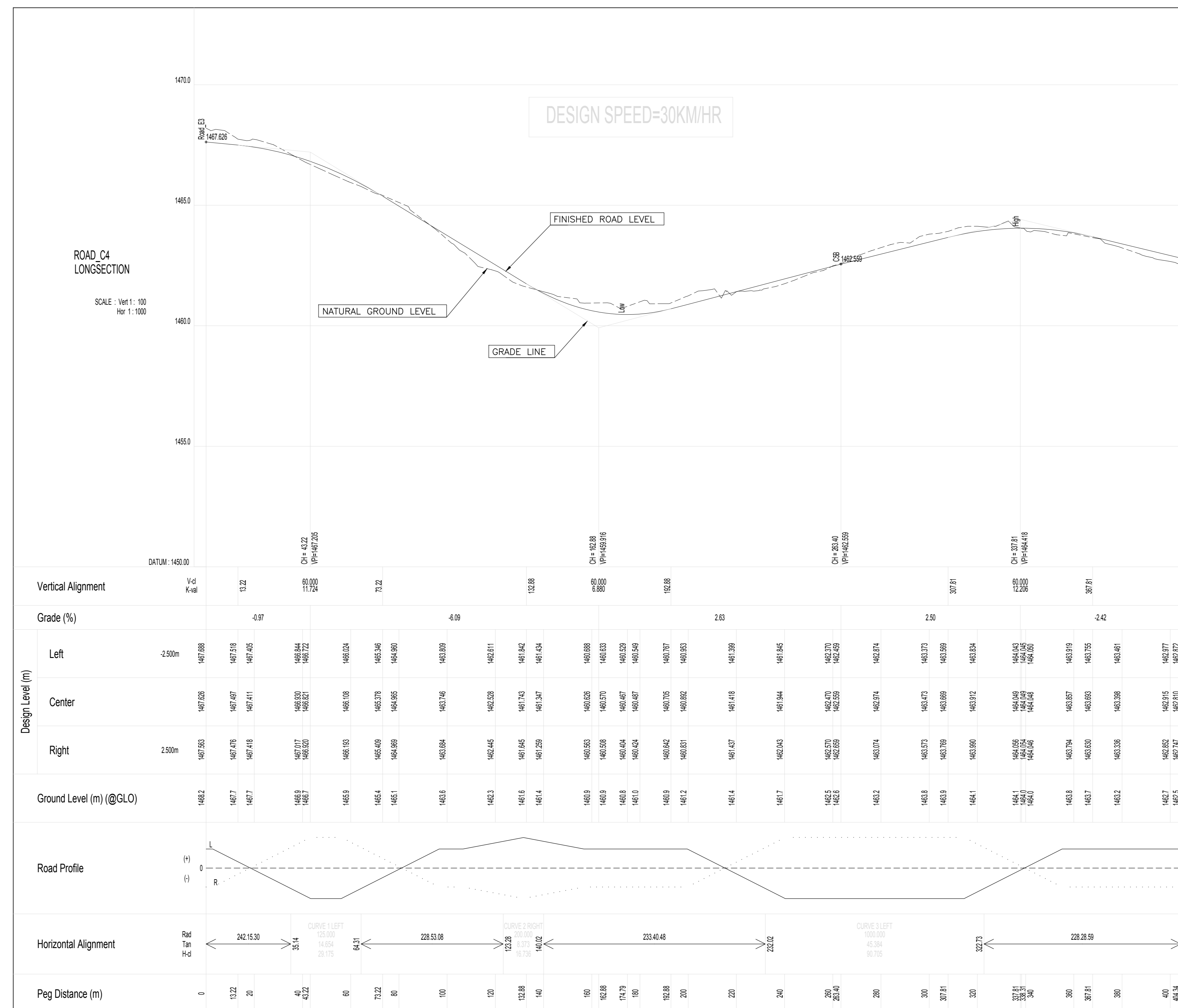
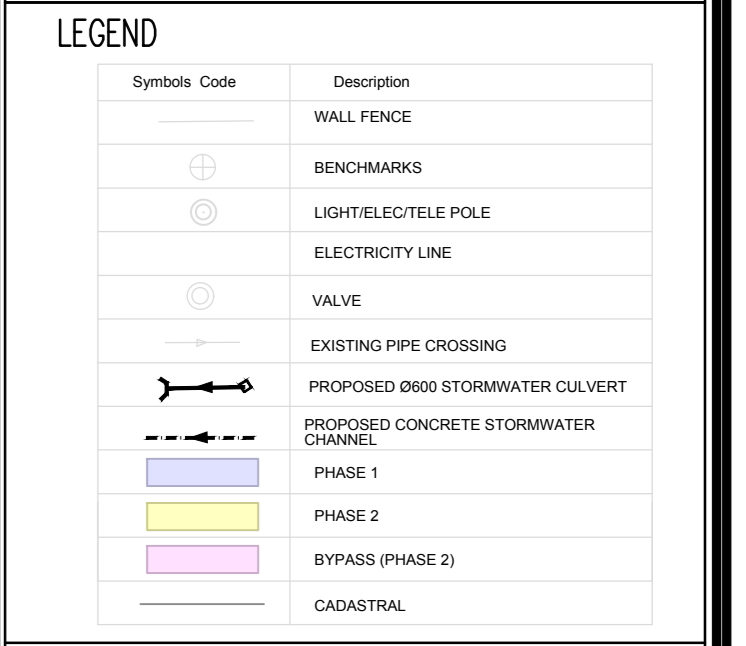


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PI2	-35657.0620	3379692.4810	123.283	200.000	140.019
PI2	-35774.5060	3379606.1470	232.025	#####	322.730
PI3	-35869.5920	3379521.9720	404.337		

BENCHMARKS (WG27)			
NAME	Y	X	DESCRIPTION
BM10	-35537.975	3379914.925	1463.792 Iron Standard
BM31	-35470.937	3379680.691	1466.864 Iron Standard
BM32	-35612.371	3379513.174	1455.373 Iron Standard



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 - LEVELS OF ALL LAID PIPES TO BE CHECKED BY ENGINEER BEFORE BACKFILLING.



FOR TENDER

No.	REFERENCE DRAWINGS

DESIGNED	LN
CHECKED	ZM
DRAWN	KM
CHECKED	LN
DATE	21-08-01

DESIGNED	LN
CHECKED	ZM
DRAWN	KM
CHECKED	LN
DATE	21-08-01

CONSULTANT:	
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CLIENT:

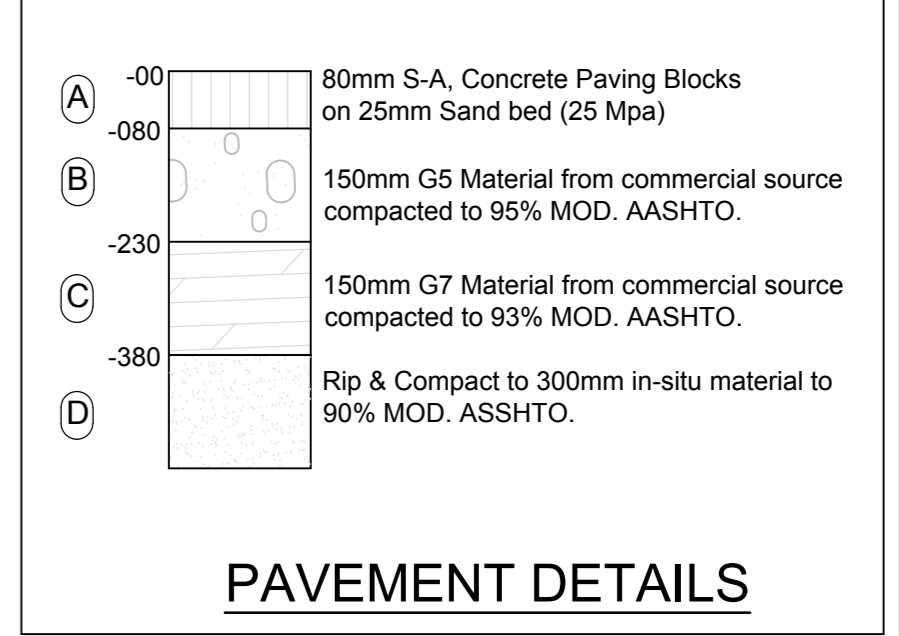
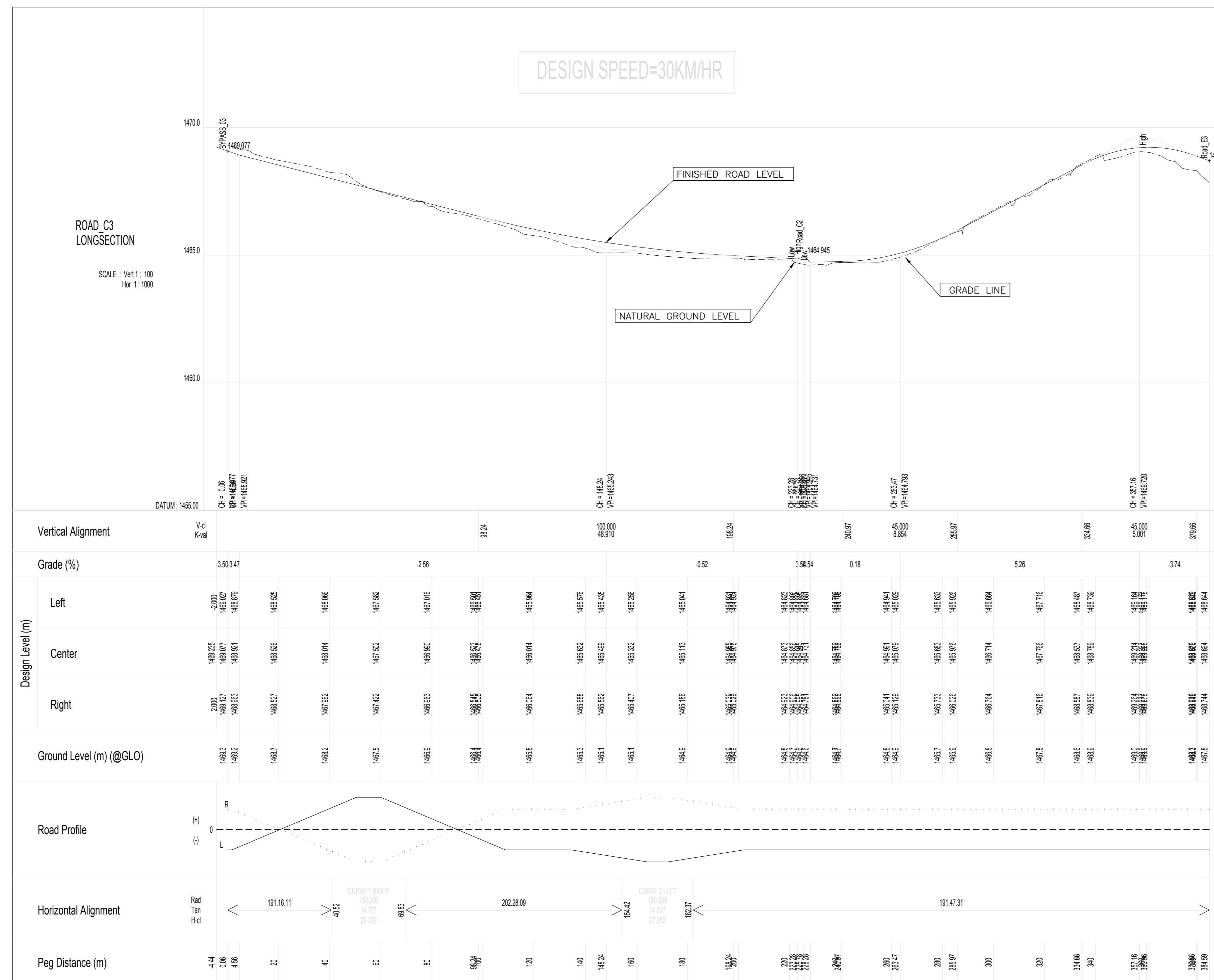
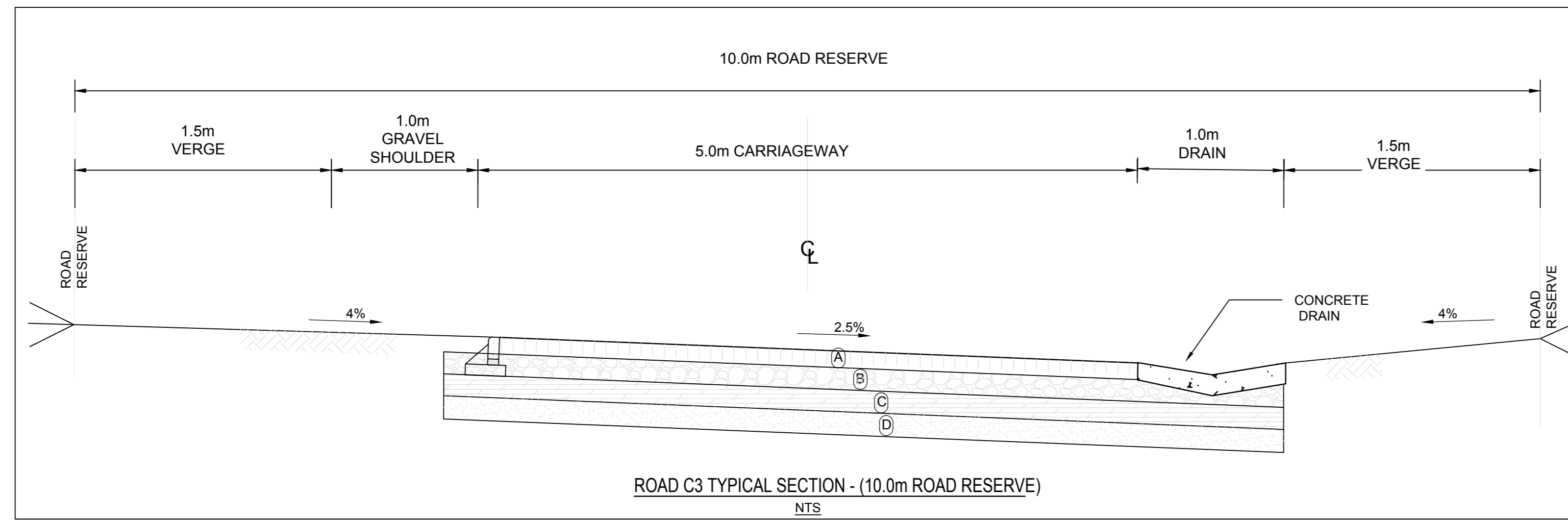
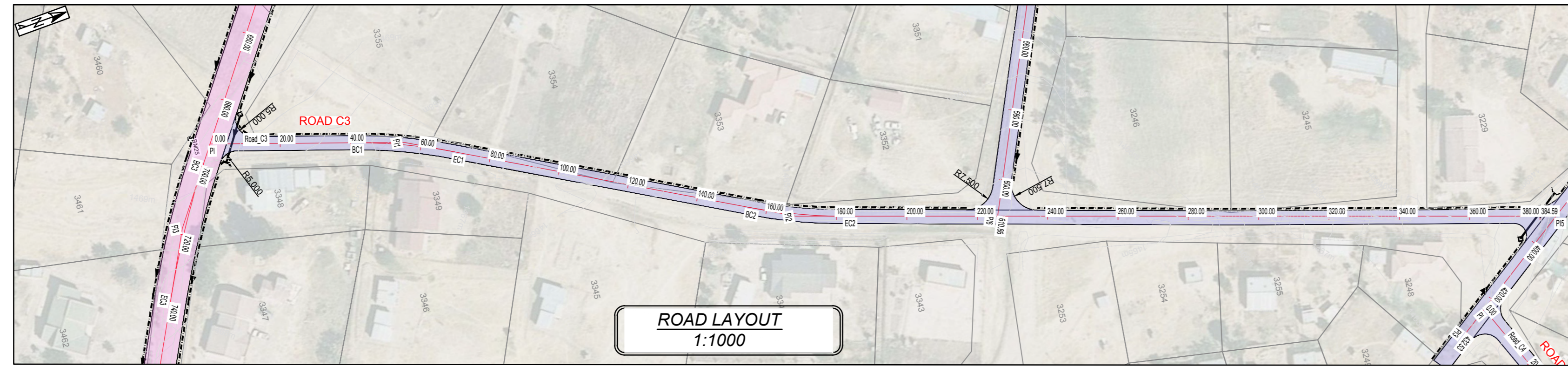
Sengo Local Municipality
Private Bag 903
Lady Grey 5755
Tel: 051 603 1301
Fax: 051 603 0445

PROJECT NAME:

STERKSPRUIT ROADS UPGRADE

ROAD C4 LONGSECTION & LAYOUT

REFERENCE DRAWING		CONTRACT NO.	
SHEET	1 OF 1	FILE No.	
DRAWING No.	AF21P/LS/10	REVISION	0



- NOTES**
- ALL DIMENSIONS TO BE VERIFIED BY THE ENGINEER ON SITE.
 - SITE TO BE CLEARED OF ALL SHRUBS AND TREES NOT EXCEEDING 150mm GIRTH OR AS DIRECTED BY THE ENGINEER ON SITE.
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HORIZONTAL ALIGNMENT : SETTING OUT DATA

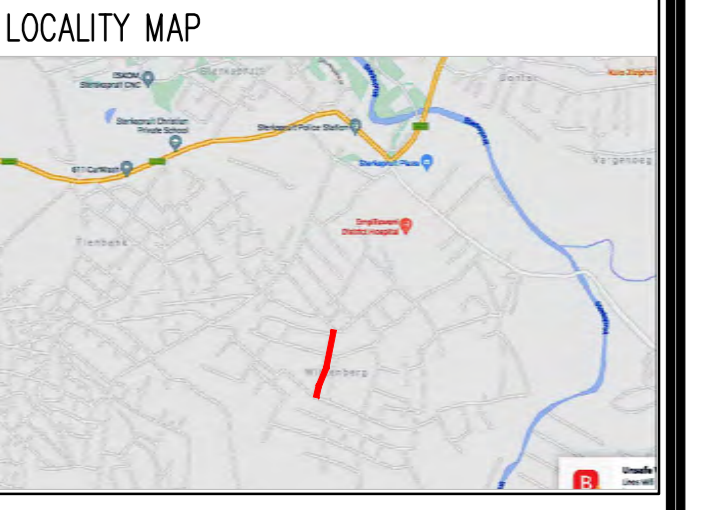
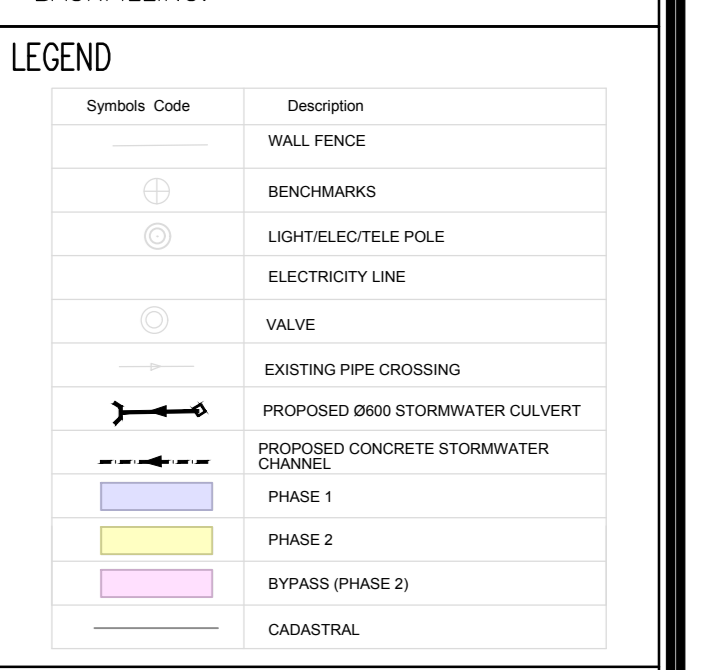
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PI2	-35485.3340	3379955.8400	154.418	150.000	182.370 27.952
PI5	-35529.5240	3379744.1670	384.590		

BENCHMARKS (WG27)

NAME	Y	X	HEIGHT	DESCRIPTION
BM10	-35537.975	3379914.925	1463.792	Iron Standard
BM25	-35428.615	3380119.987	1469.357	Iron Standard
BM31	-35470.937	3379680.691	1466.864	Iron Standard



FOR TENDER

No.	REFERENCE DRAWINGS

REVISIONS	DATE	CHKD	APPRV
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DESIGNED	LN
CHECKED	ZM
DRAWN	KM
CHECKED	LN
DATE	21-08-01

CONSULTANT:

CLIENT:

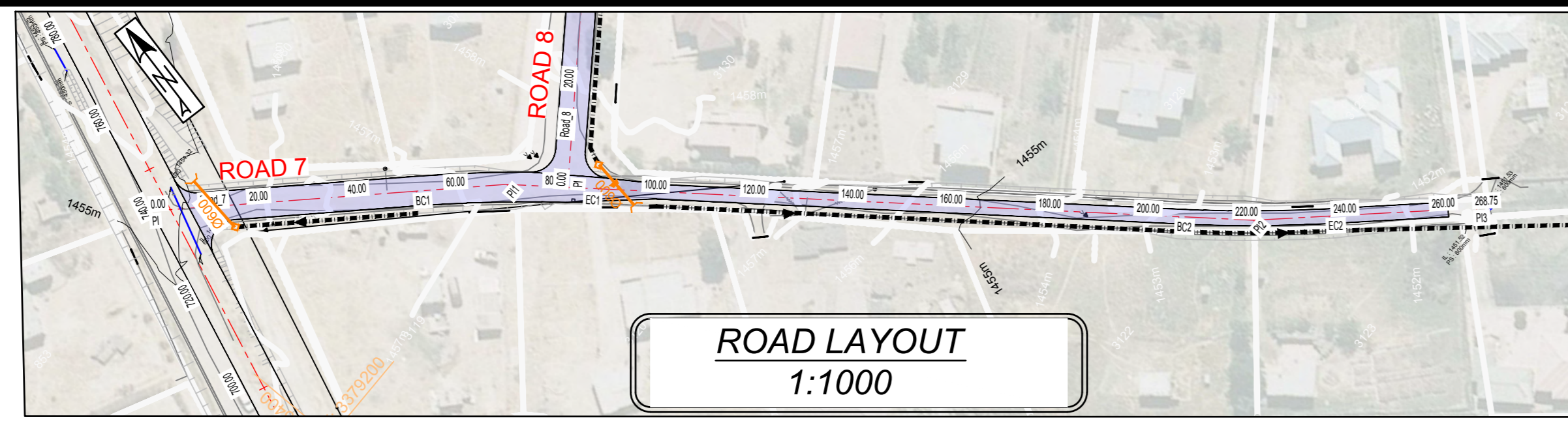
Sengo Local Municipality
Private Bag 803
Lady Grey 5755
Tel: 051 603 1301
Fax: 051 603 0445

PROJECT NAME

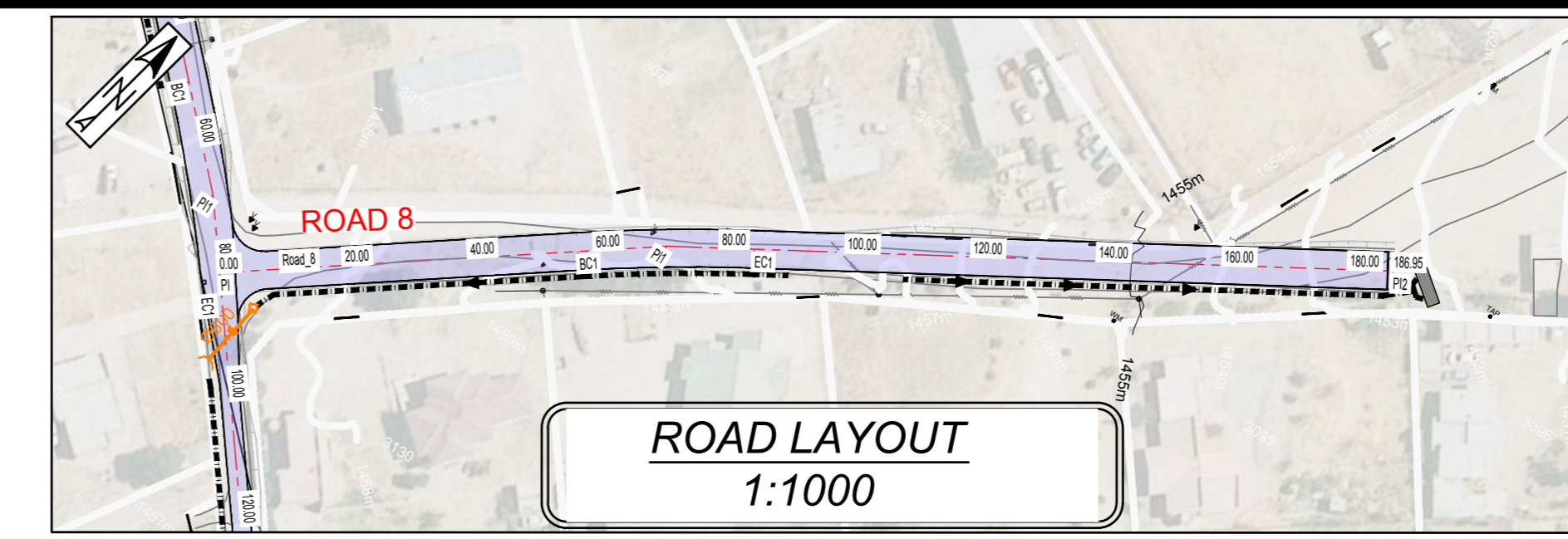
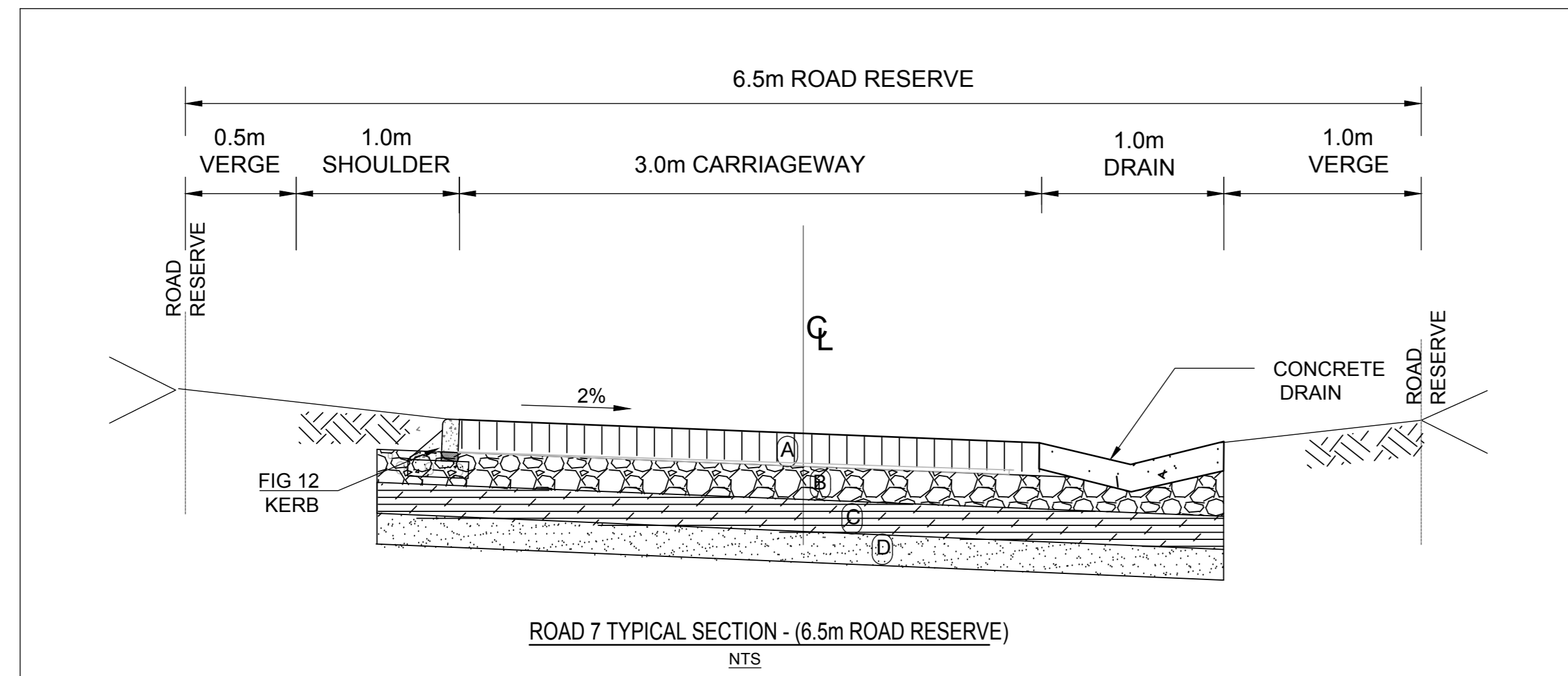
STERKSPRUIT ROADS UPGRADE

ROAD C3 LONGSECTION & LAYOUT

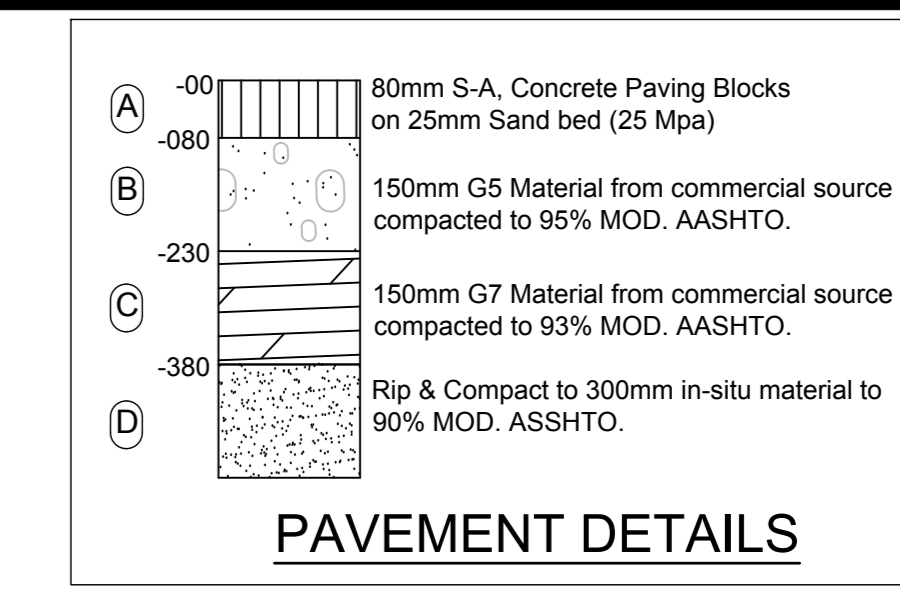
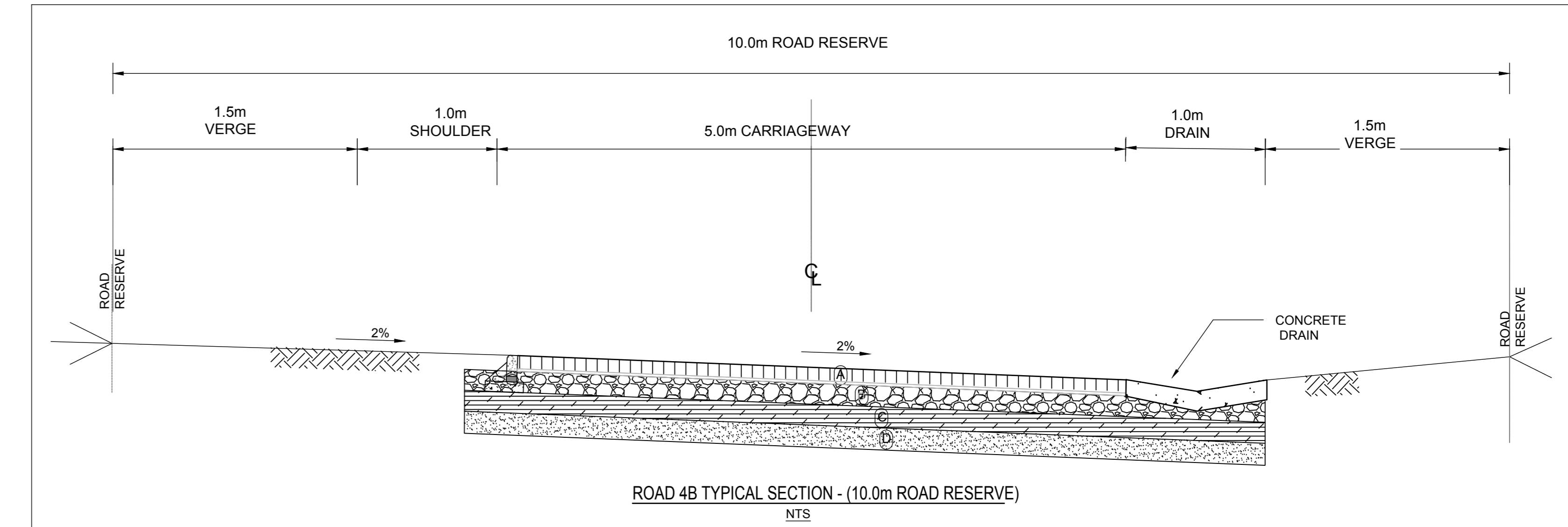
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SHEET 1 OF 1	FILE No.
DRAWING No. AF21P/LS/09	REVISION 0



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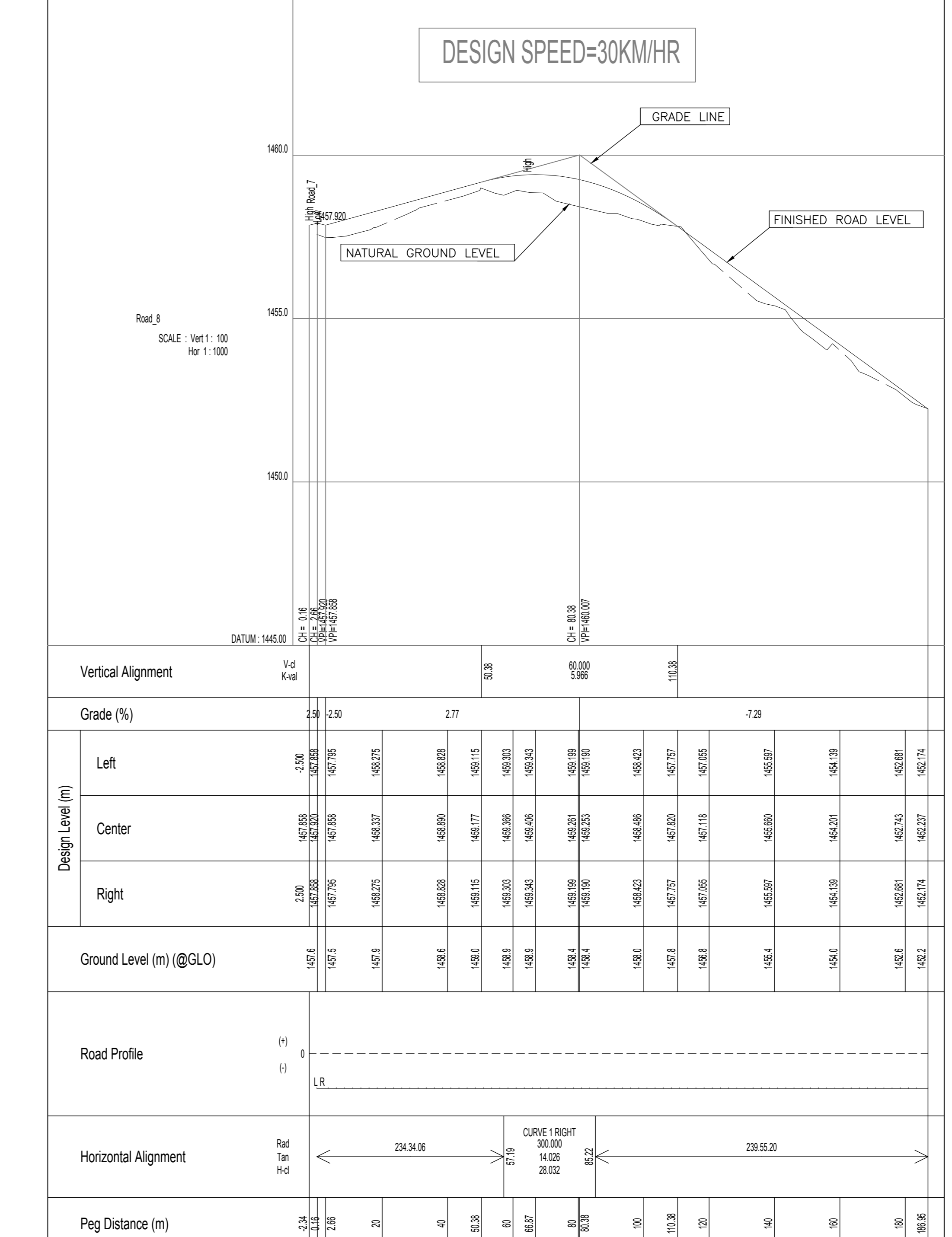
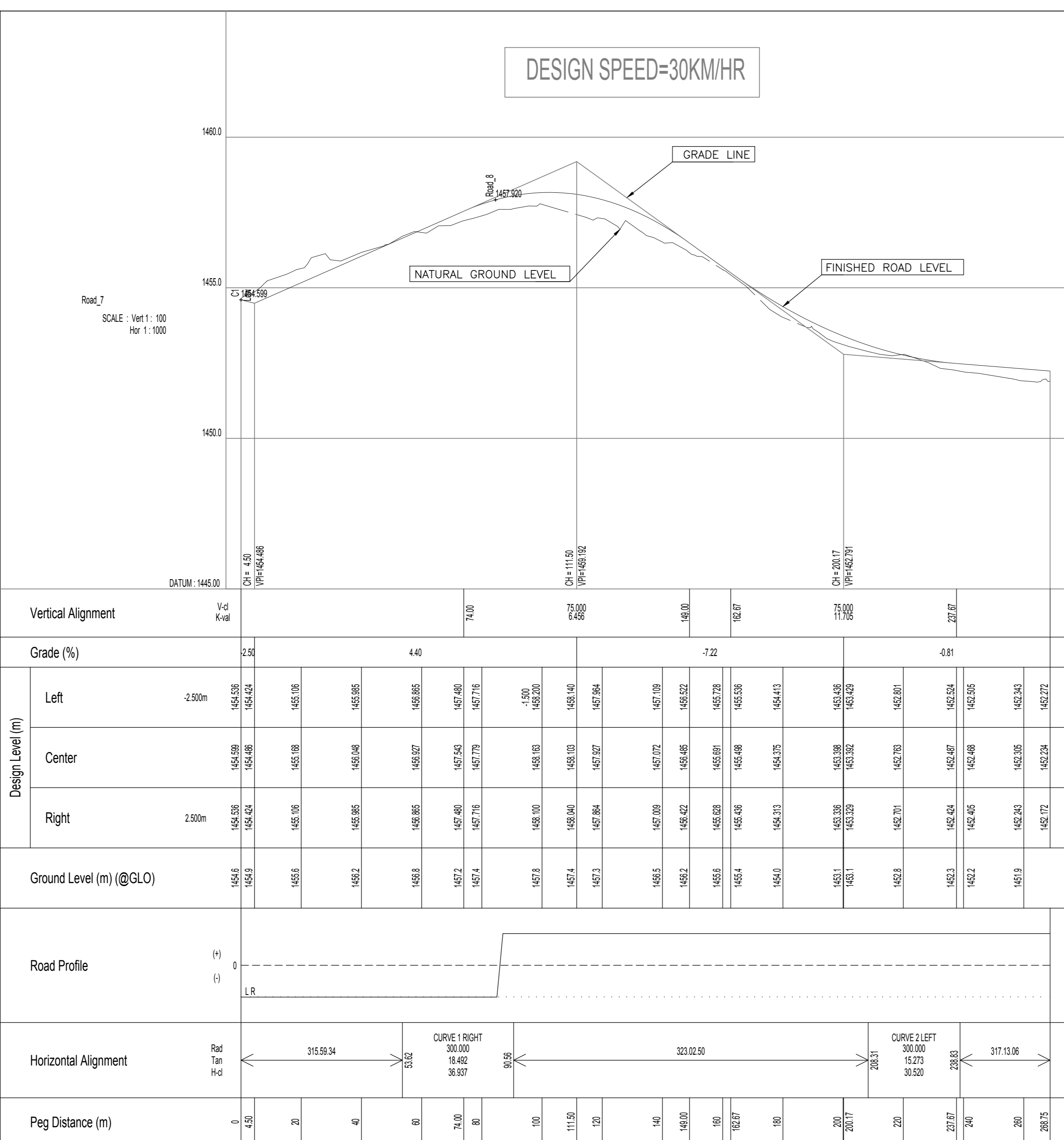
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PI2	-35628.001	3379105.210	186.945			



- NOTES**
- ALL DIMENSIONS TO BE VERIFIED BY THE ENGINEER ON SITE.
 - SITE TO BE CLEARED OF ALL SHRUBS AND TREES NOT EXCEEDING 150mm GIRTH OR AS DIRECTED BY THE ENGINEER ON SITE.
 - 150mm IN-SITU GRAVEL TO BE STOCKPILED IN AN AREA AS DIRECTED BY THE ENGINEER ON SITE.
 - EARTHWORKS TO BE PLACED IN LAYERS NOT EXCEEDING 150mm AND COMPACTED TO 93% MOD AASHTO.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF EXISTING FENCES DURING CONSTRUCTION.
 - ALL STORMWATER MAINS ARE PRECAST CONCRETE SPIGOT AND SOCKET PIPES, CLASS 750 ON CLASS 'C' BEDDING AND BACKFILL UNLESS OTHERWISE INDICATED ON THE LONGITUDINAL SECTIONS.
 - LEVELS OF ALL LAID PIPES TO BE CHECKED BY ENGINEER BEFORE BACKFILLING.

LEGEND

System Code	Description
---	WALL FENCE
---	FENCE
⊕	BENCHMANS
⊕	LIGHT/ELECTRICAL POLE
⊕	VALVE
---	EXISTING PIPE CROSSING
---	PROPOSED STORMWATER CULVERT
---	PROPOSED CONCRETE STORMWATER CHANNEL



FOR APPROVAL

No.	REFERENCE DRAWINGS

DESIGNED	LN
CHECKED	ZM
DRAWN	KM
CHECKED	LN
DATE	21-08-01
0 FOR APPROVAL REVISIONS	21-08-30 DATE
LN	0 APPRV
CHKD	

DESIGNED	LN
CHECKED	ZM
DRAWN	KM
CHECKED	LN
DATE	21-08-01

CONSULTANT:

CLIENT:

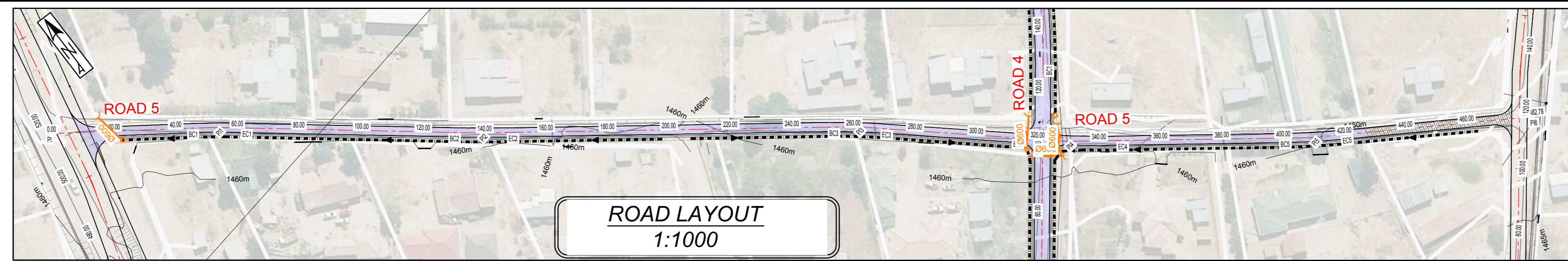
Sengou Local Municipality
Private Bag 303
Lady Grey 5755
Tel: 051 603 1301
Fax: 051 603 0445

PROJECT NAME

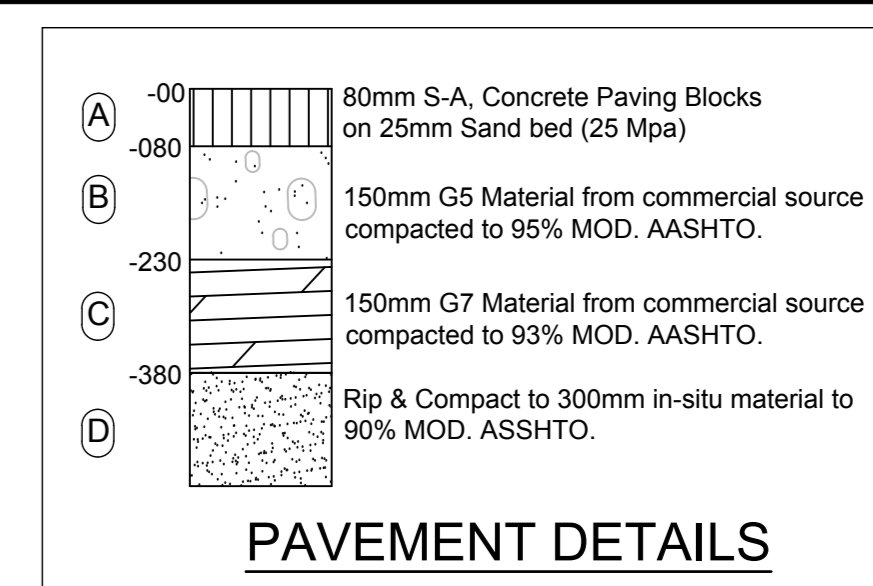
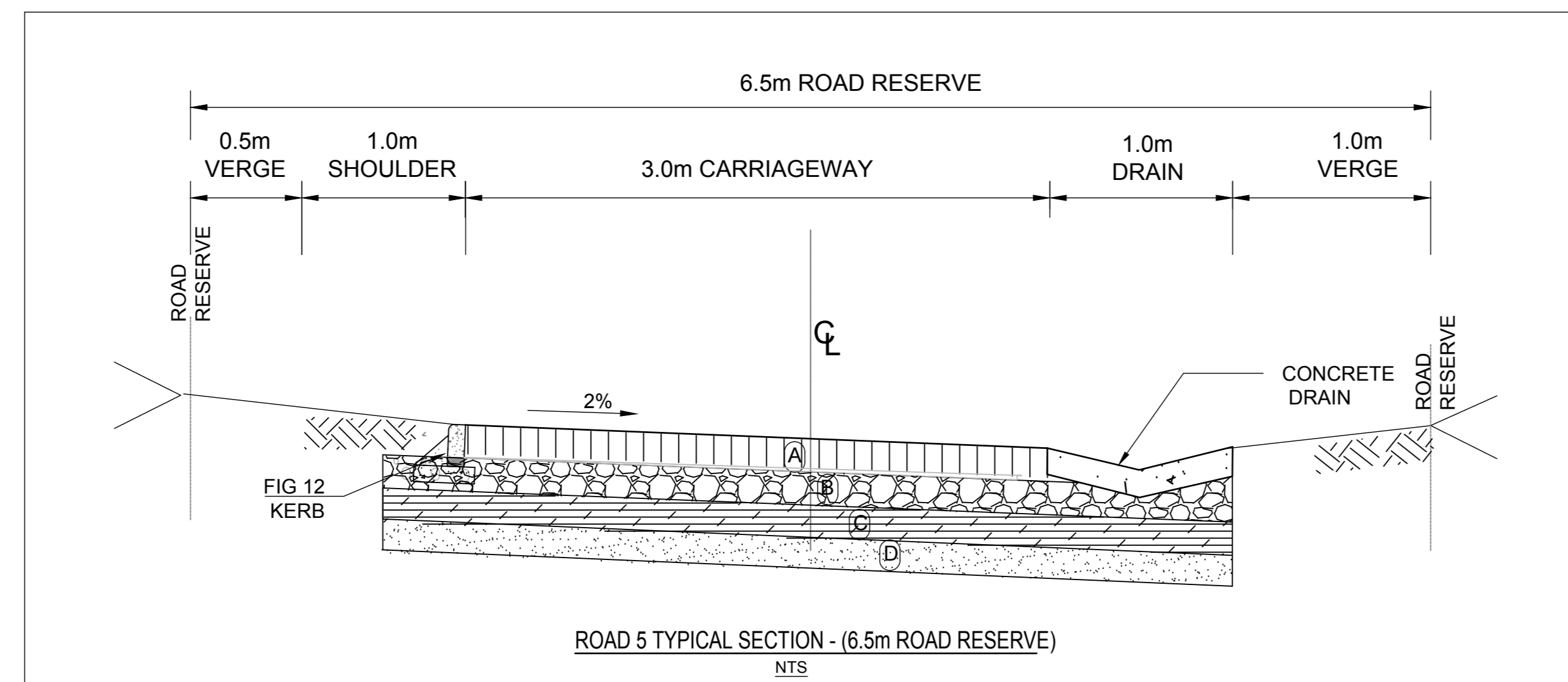
STERKSPRUIT ROADS UPGRADE

**ROAD 7 & 8
LONGSECTION & LAYOUT**

REFERENCE DRAWING	
CONTRACT NO.	
SHEET	6 OF 6
FILE No.	
DRAWING No.	AF21/PLS/07
REVISION	0



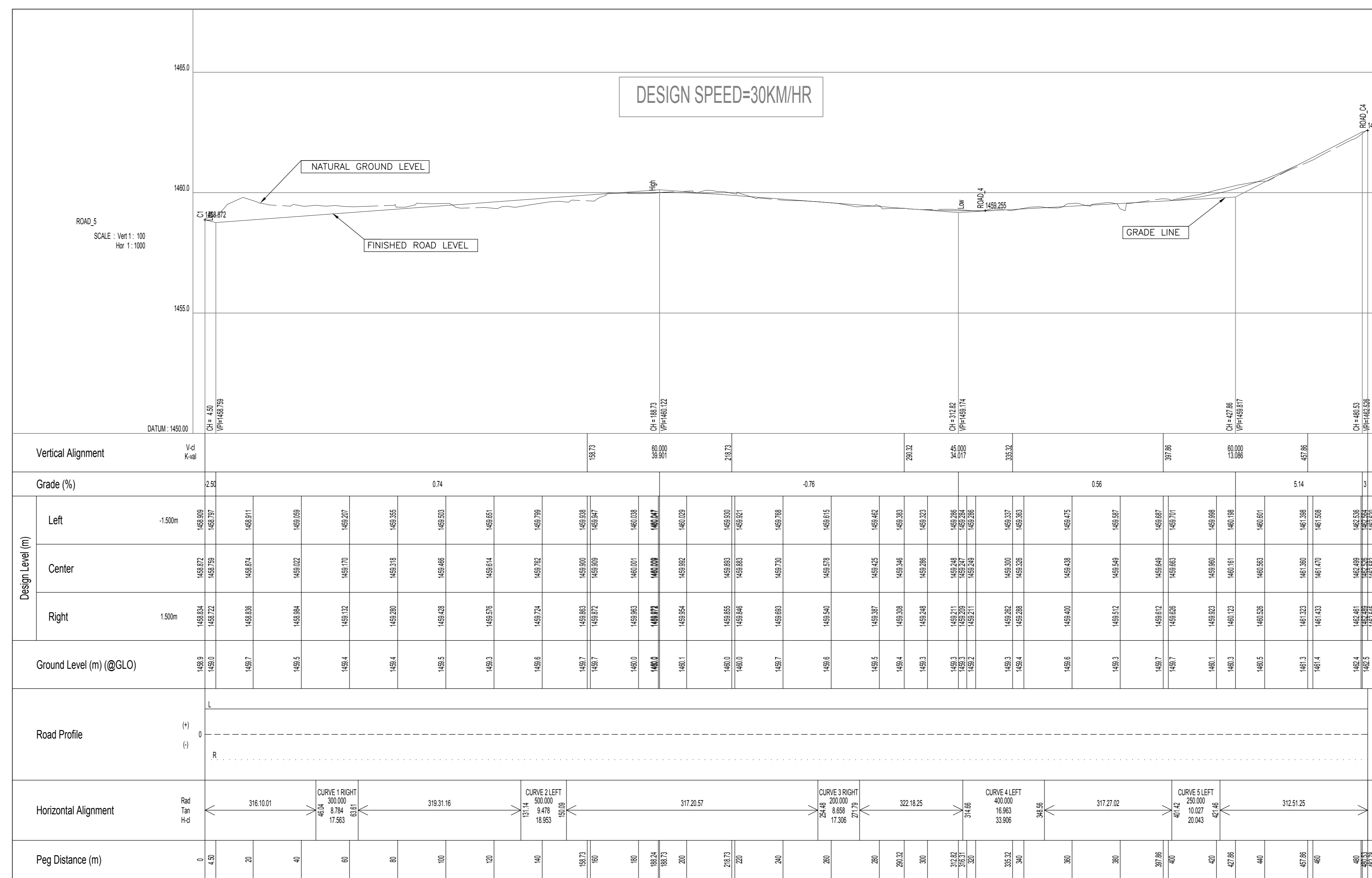
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PI3	-35500.029	3379543.137	254.482	200.000	271.788
PI4	-35541.905	3379597.332	314.655	400.000	348.561
PI5	-35595.901	3379656.156	401.420	250.000	421.463
PI6	-35648.199	3379704.681	482.779		20.043



- NOTES**
- ALL DIMENSIONS TO BE VERIFIED BY THE ENGINEER ON SITE.
 - SITE TO BE CLEARED OF ALL SHRUBS AND TREES NOT EXCEEDING 150mm GIRTH OR AS DIRECTED BY THE ENGINEER ON SITE.
 - 150mm IN-SITU GRAVEL TO BE STOCKPILED IN AN AREA AS DIRECTED BY THE ENGINEER ON SITE.
 - EARTHWORKS TO BE PLACED IN LAYERS NOT EXCEEDING 150mm AND COMPACTED TO 93% MOD AASHTO.
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LEGEND

System Code	Description
---	WALL FENCE
---	FENCE
⊕	SEWERING
⊕	LIGHT/ELECTRICAL POLE
⊕	VALVE
---	EXISTING PIPE CROSSING
---	PROPOSED STORMWATER CULVERT
---	PROPOSED CONCRETE STORMWATER CHANNEL



FOR APPROVAL


No.	REFERENCE DRAWINGS

REVISIONS	DATE	CHKD	APPRV
0 FOR APPROVAL	21-08-30	LN	0

DESIGNED	LN
CHECKED	ZM
DRAWN	KM
CHECKED	LN
DATE	21-08-01

CONSULTANT:

CLIENT:



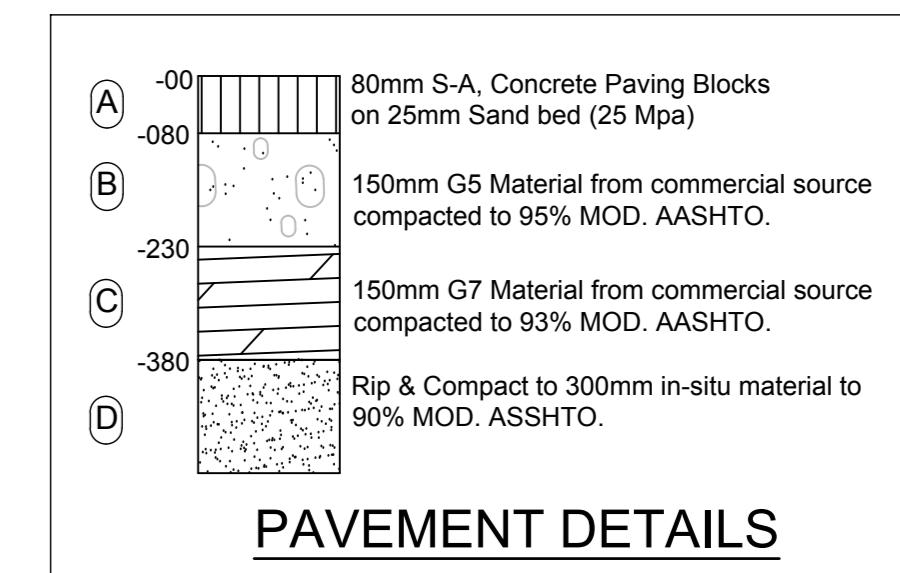
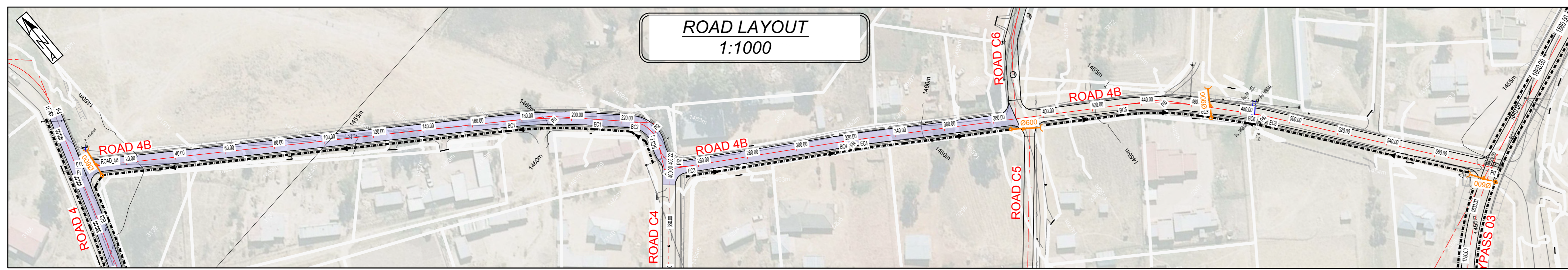
Sengul Local Municipality
Private Bag 303
Lady Grey 5755
Tel: 051 603 1301
Fax: 051 603 0445

PROJECT NAME

STERKSPRUIT ROADS UPGRADE

**ROAD 5
LONGSECTION & LAYOUT**

REFERENCE DRAWING	CONTRACT No.
SHEET	FILE No.
4 OF 6	
DRAWING No.	REVISION
AF21VPLS/05	0



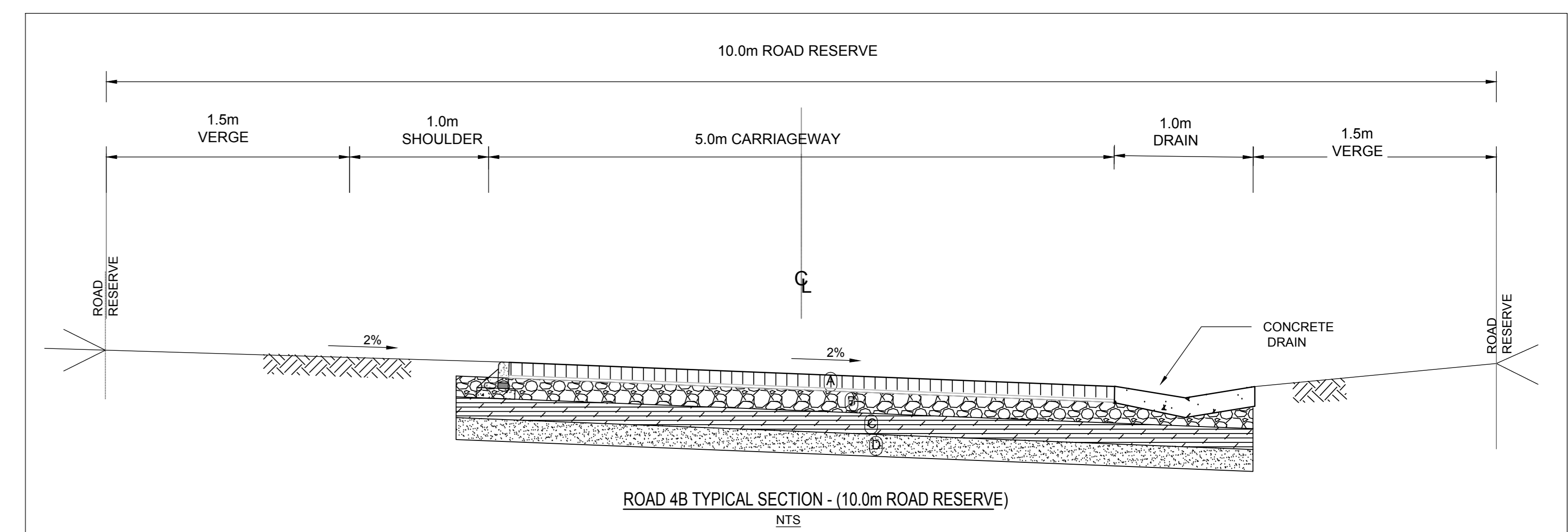
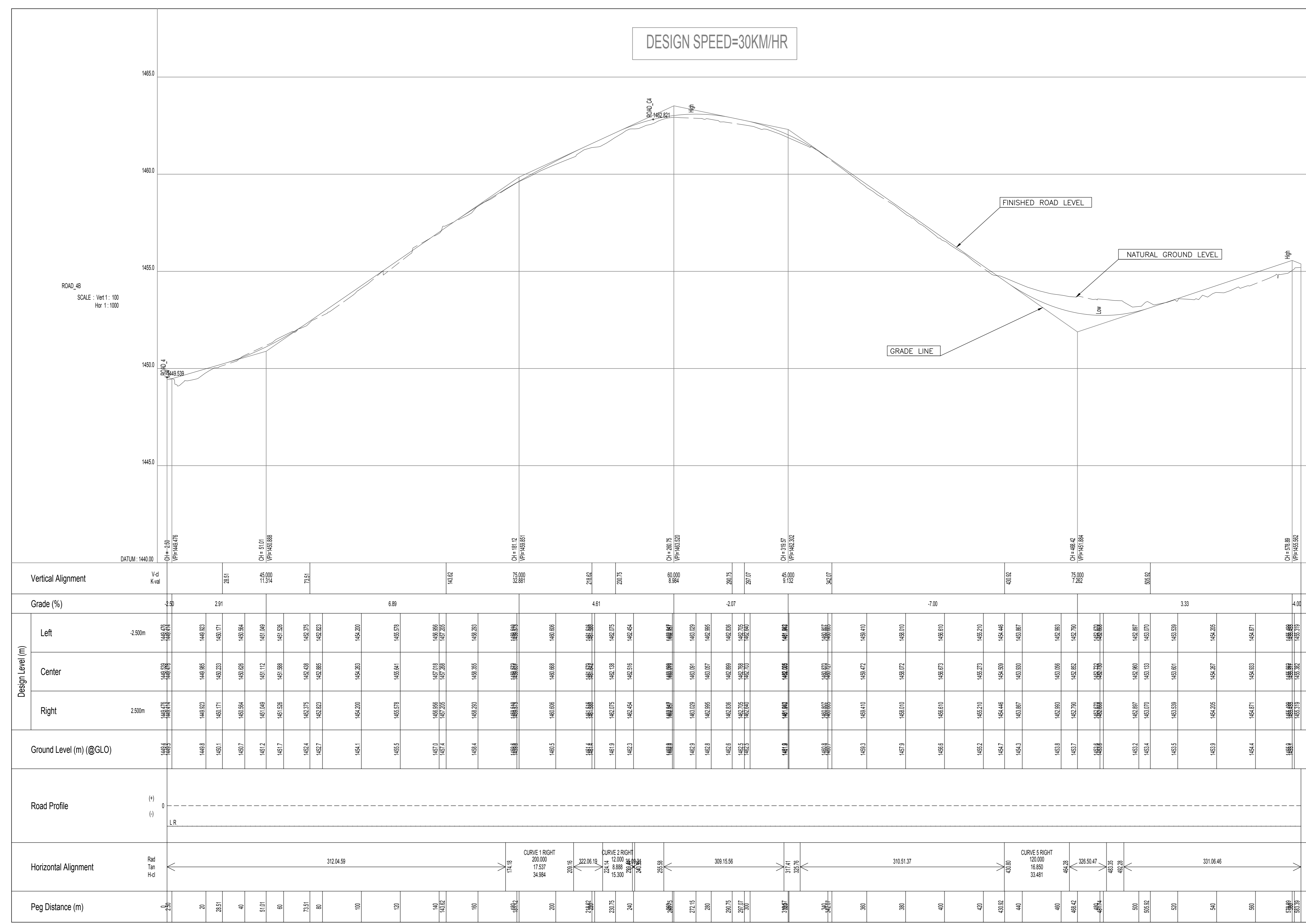
- NOTES**
- ALL DIMENSIONS TO BE VERIFIED BY THE ENGINEER ON SITE.
 - SITE TO BE CLEARED OF ALL SHRUBS AND TREES NOT EXCEEDING 150mm GIRTH OR AS DIRECTED BY THE ENGINEER ON SITE.
 - 150mm IN-SITU GRAVEL TO BE STOCKPILED IN AN AREA AS DIRECTED BY THE ENGINEER ON SITE.
 - EARTHWORKS TO BE PLACED IN LAYERS NOT EXCEEDING 150mm AND COMPACTED TO 93% MOD AASHTO.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF EXISTING FENCES DURING CONSTRUCTION.
 - ALL STORMWATER MAINS ARE PRECAST CONCRETE SPIGOT AND SOCKET PIPES, CLASS 750 ON CLASS 'C' BEDDING AND BACKFILL UNLESS OTHERWISE INDICATED ON THE LONGITUDINAL SECTIONS.
 - LEVELS OF ALL LAID PIPES TO BE CHECKED BY ENGINEER BEFORE BACKFILLING.

LEGEND

System Code	Description
---	WALL FENCE
---	FENCE
⊕	BENCHMARK LIGHT/ELECTRICAL POLE
⊙	VALVE
→	EXISTING PIPE CROSSING
→	PROPOSED STORMWATER CULVERT
---	PROPOSED CONCRETE STORMWATER CHANNEL

File 1 :

Alignment file => ROAD_4B					
PI	-35709.413	3379345.714	0.000		
PI1	-35851.699	3379474.203	174.179	200.000	209.162 34.984
PI2	-35877.131	3379506.878	224.144	12.000	239.444 15.300
PI3	-35865.993	3379522.693	240.592	10.000	255.583 14.991
PI4	-35924.301	3379570.359	317.412	300.000	325.762 8.350
PI5	-36019.646	3379652.834	430.803	120.000	464.284 33.481
PI6	-36041.731	3379686.643	483.348	120.000	492.283 8.936
PI7	-36087.901	3379770.324	583.386		



FOR APPROVAL

No.	REFERENCE DRAWINGS
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0	FOR APPROVAL REVISIONS	21-08-30	LN	0
△		DATE	CHKD	APPRV

DESIGNED	LN
CHECKED	ZM
DRAWN	KM
CHECKED	LN
DATE	21-08-01

CONSULTANT:

CLIENT:

Sinou Local Municipality
Private Bag 303
Lady Grey 5756
Tel: 051 603 1301
Fax: 051 603 0445

PROJECT NAME

STERKSPRUIT ROADS UPGRADE

ROAD 4B LONGSECTION & LAYOUT

REFERENCE DRAWING

SHEET 3 OF 6

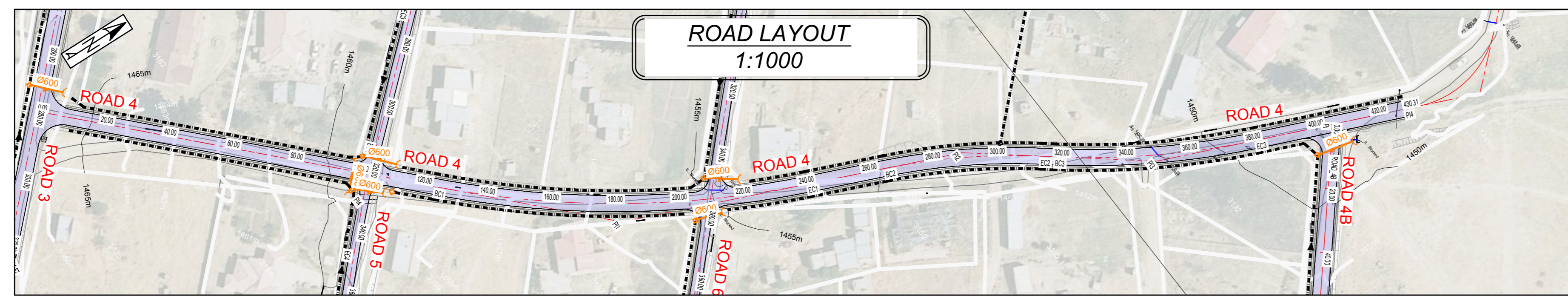
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CONTRACT No.

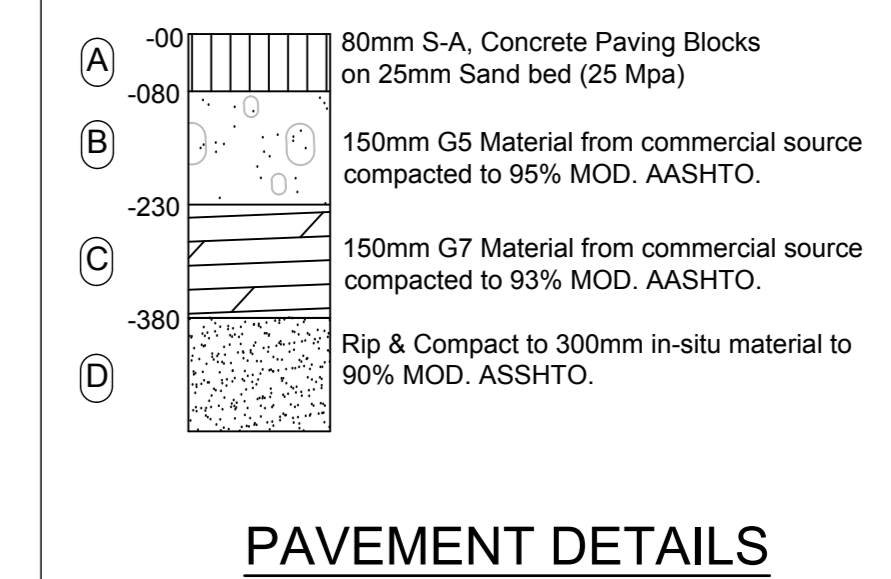
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REVISION

0



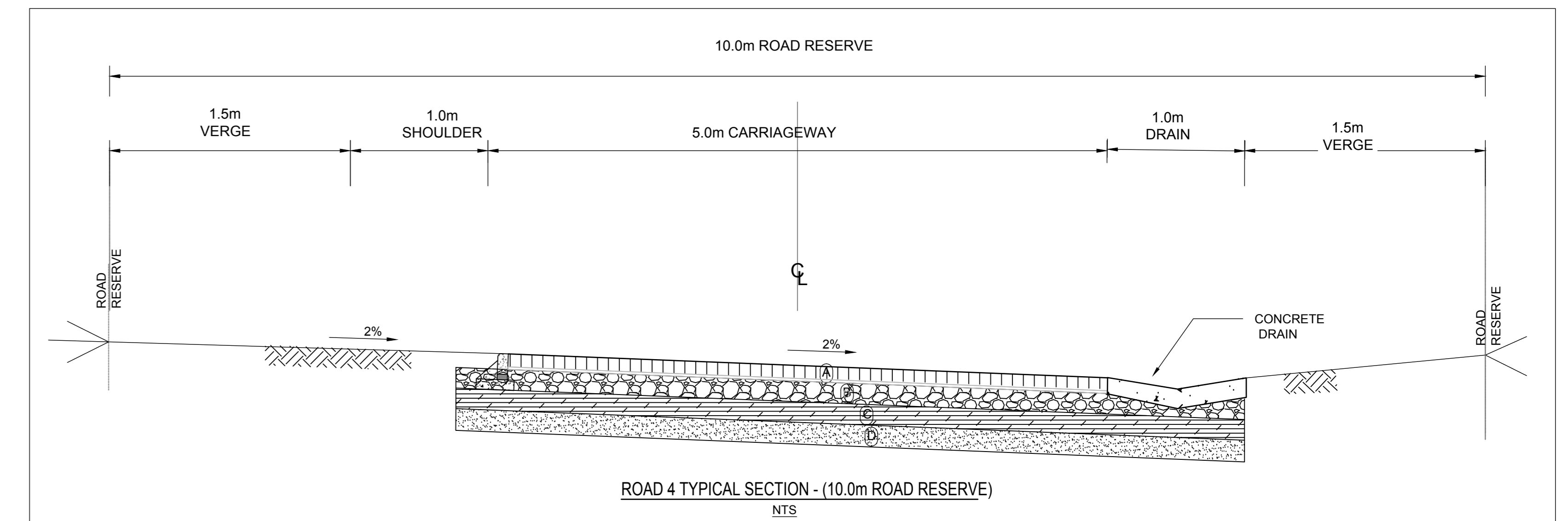
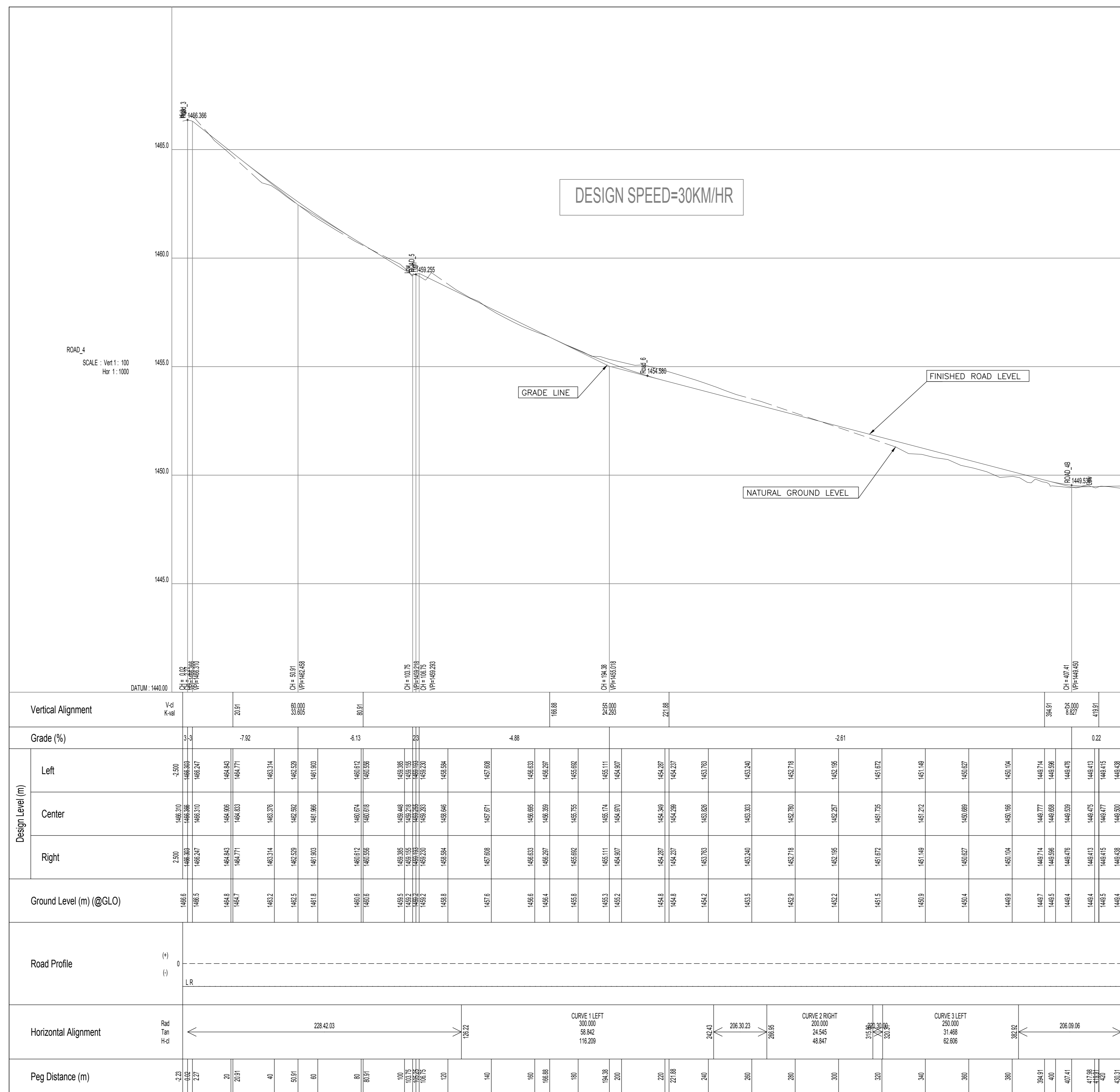
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PI2	-35645.440 3379441.971	266.952	200.000	315.799	48.847	
PI3	-35684.749 3379395.946	320.312	250.000	382.918	62.606	
PI4	-35719.505 3379325.162	430.307				



- NOTES**
- ALL DIMENSIONS TO BE VERIFIED BY THE ENGINEER ON SITE.
 - SITE TO BE CLEARED OF ALL SHRUBS AND TREES NOT EXCEEDING 150mm GIRTH OR AS DIRECTED BY THE ENGINEER ON SITE.
 - 150mm IN-SITU GRAVEL TO BE STOCKPILED IN AN AREA AS DIRECTED BY THE ENGINEER ON SITE.
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 - LEVELS OF ALL LAID PIPES TO BE CHECKED BY ENGINEER BEFORE BACKFILLING.

LEGEND

System Code	Description
---	WALL FENCE
---	FENCE
⊕	BENCH MARK
⊕	LIGHT/ELECTRICAL POLE
⊕	VALVE
→	EXISTING PIPE CROSSING
→	PROPOSED STORMWATER CULVERT
---	PROPOSED CONCRETE STORMWATER CHANNEL



FOR APPROVAL


No.	REFERENCE DRAWINGS

DESIGNED	LN
CHECKED	ZM
DRAWN	KM
CHECKED	LN
DATE	21-08-01
0 FOR APPROVAL REVISIONS	21-08-30 DATE
LN	CHKD
0	APPRV

DESIGNED	LN
CHECKED	ZM
DRAWN	KM
CHECKED	LN
DATE	21-08-01

CONSULTANT:	
-------------	--

CLIENT:



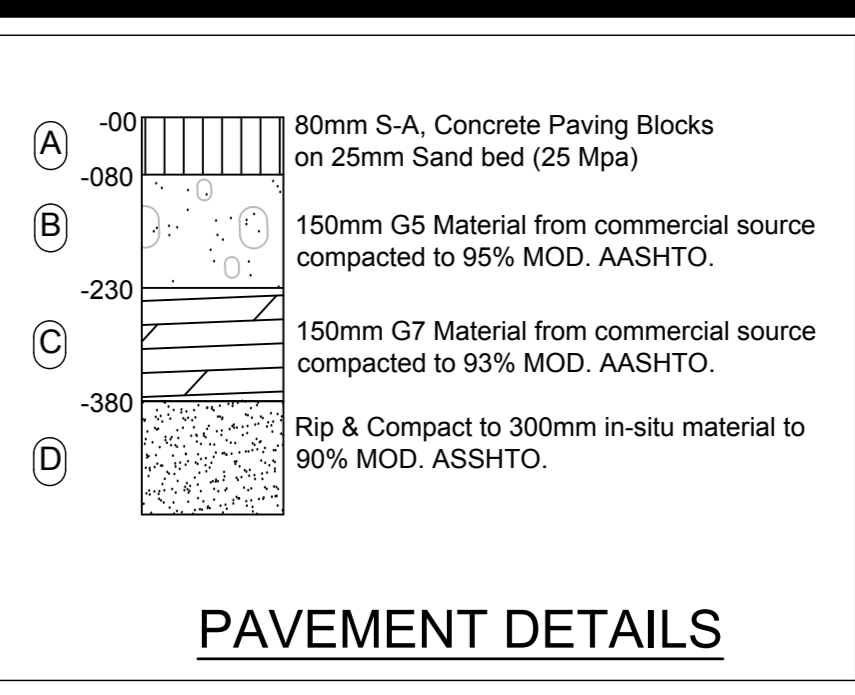
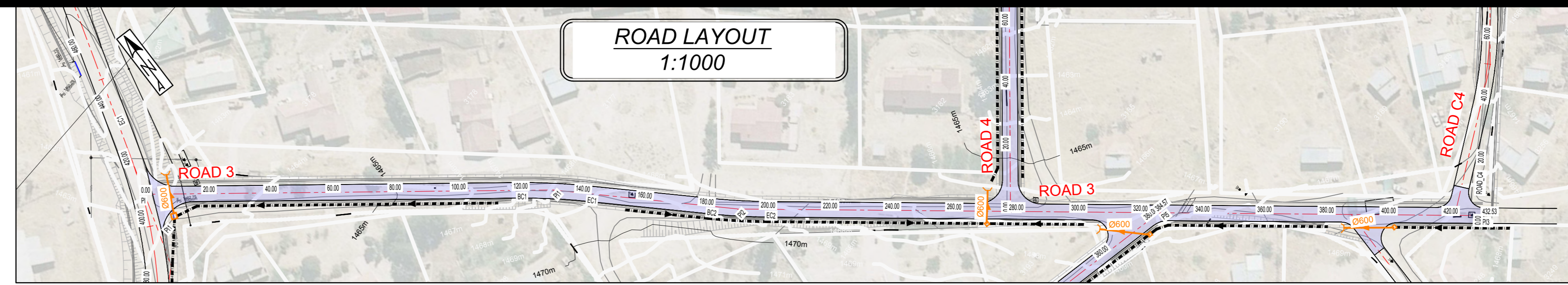
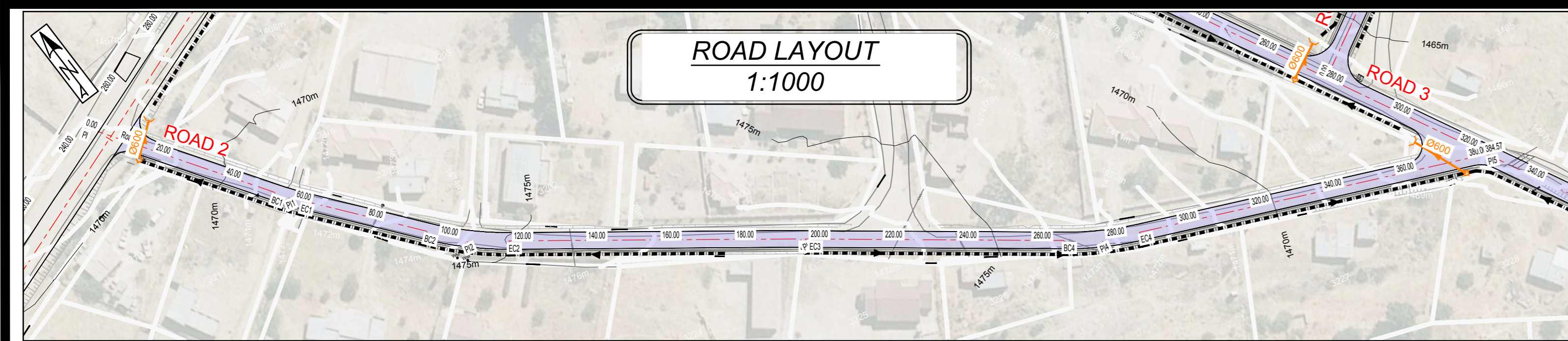
Seno Local Municipality
Private Bag 303
Lady Grey 5755
Tel: 051 603 1301
Fax: 051 603 0445

PROJECT NAME

STERKSPRUIT ROADS UPGRADE

**ROAD 4
LONGSECTION & LAYOUT**

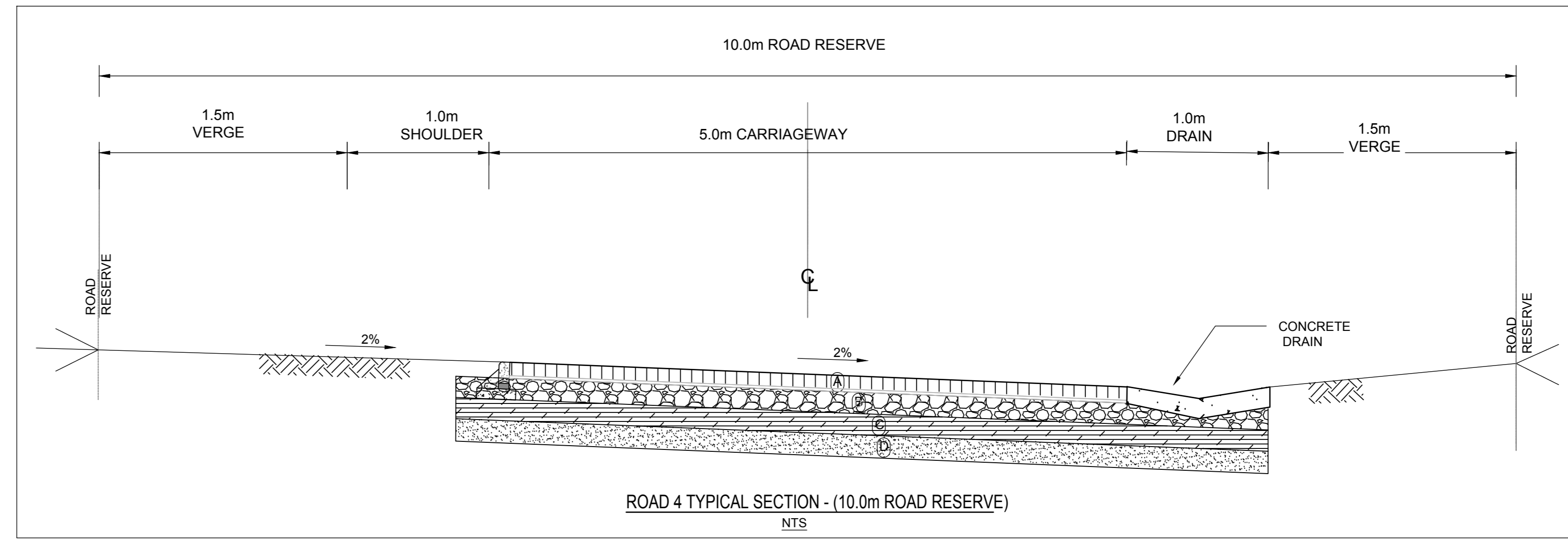
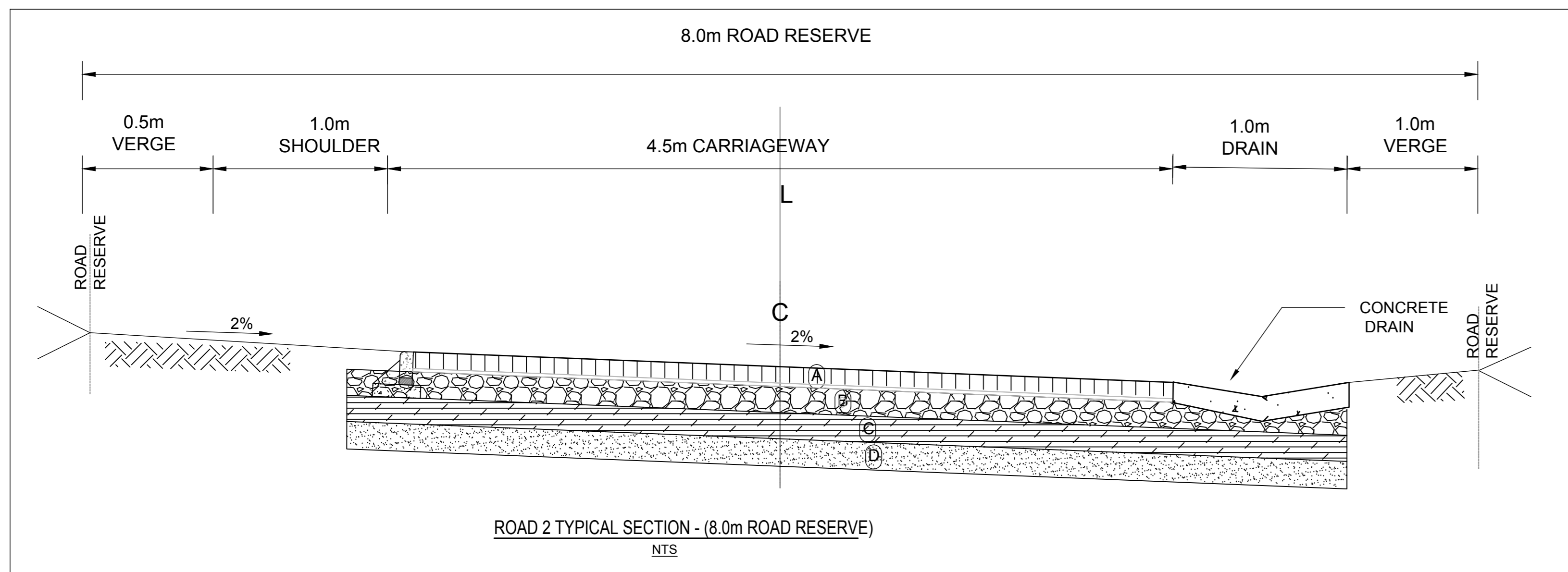
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CONTRACT NO.	
SHEET	2 OF 6
FILE No.	
DRAWING No.	AF21VPLS/03
REVISION	0



- NOTES**
- ALL DIMENSIONS TO BE VERIFIED BY THE ENGINEER ON SITE.
 - SITE TO BE CLEARED OF ALL SHRUBS AND TREES NOT EXCEEDING 150mm GIRTH OR AS DIRECTED BY THE ENGINEER ON SITE.
 - 150mm IN-SITU GRAVEL TO BE STOCKPILED IN AN AREA AS DIRECTED BY THE ENGINEER ON SITE.
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 - LEVELS OF ALL LAID PIPES TO BE CHECKED BY ENGINEER BEFORE BACKFILLING.

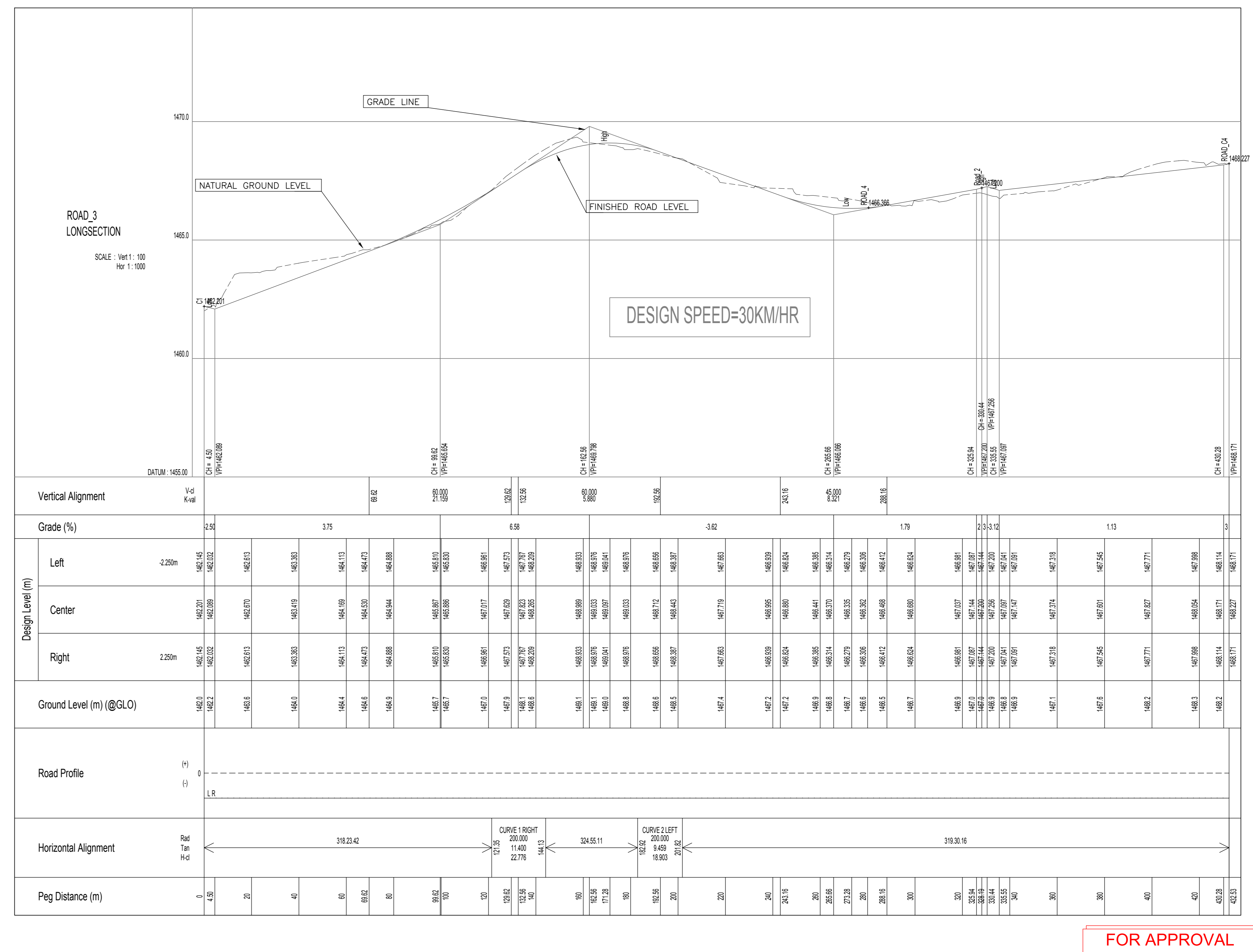
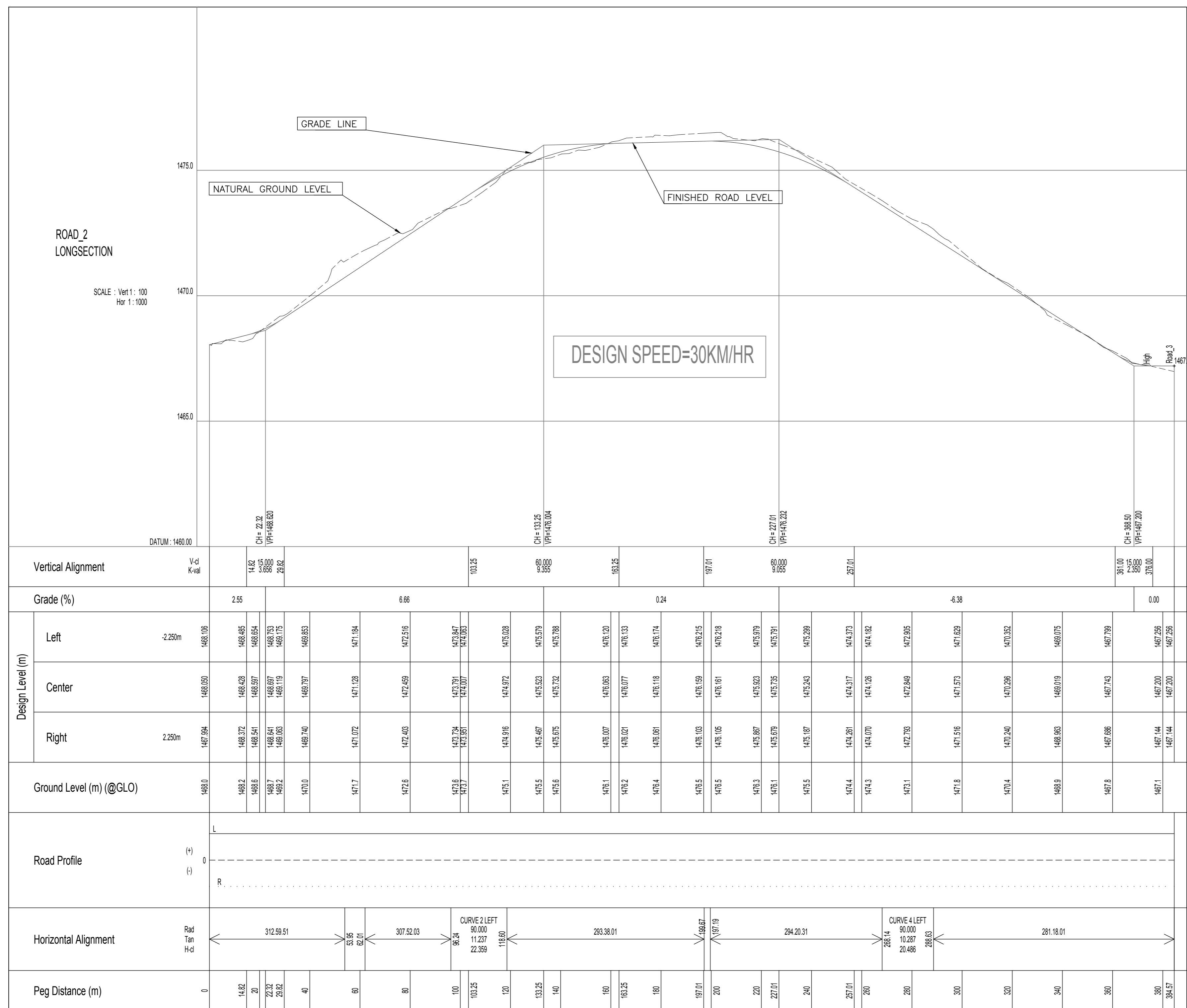
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Name					
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PI2	-35189.718	3379576.347	53.950	90.000	62.008
PI3	-35228.797	3379606.734	96.243	90.000	118.601
PI4	-35312.226	3379643.242	197.194	200.000	199.667
PI5	-35385.111	3379676.215	268.140	90.000	288.626
PI6	-35489.283	3379697.031	384.570		



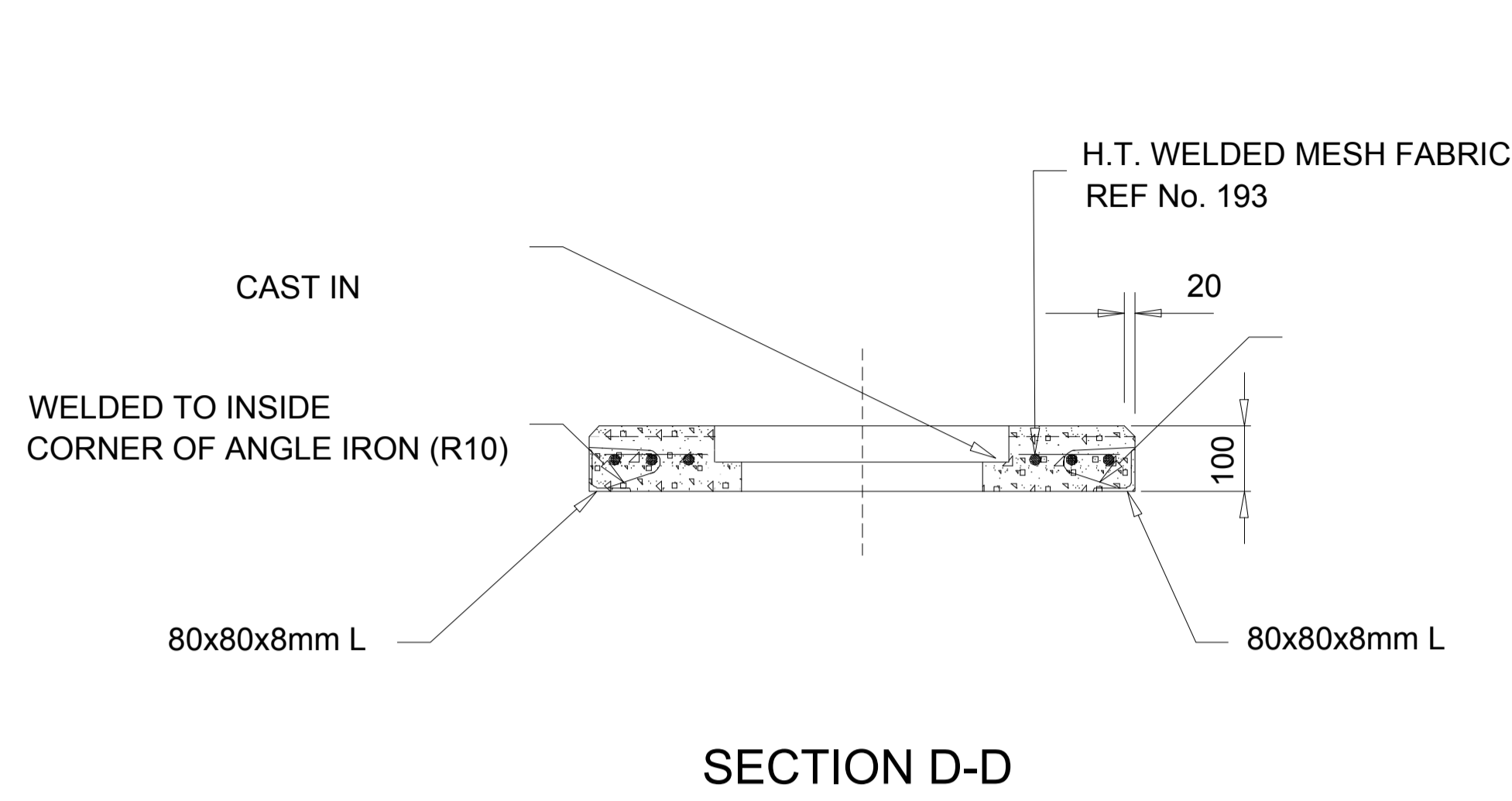
HORIZONTAL ALIGNMENT : SETTING OUT DATA

PI	Coordinates	BC (m)	Curve Radius (m)	EC (m)	Curve L (m)
Name					
File 1 :	Alignment file => Road_3				
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PI2	-35366.772	3379544.919	121.352	200.000	144.127
PI3	-35401.056	3379593.736	182.922	200.000	201.825
PI4	-35557.017	3379776.371	432.532		

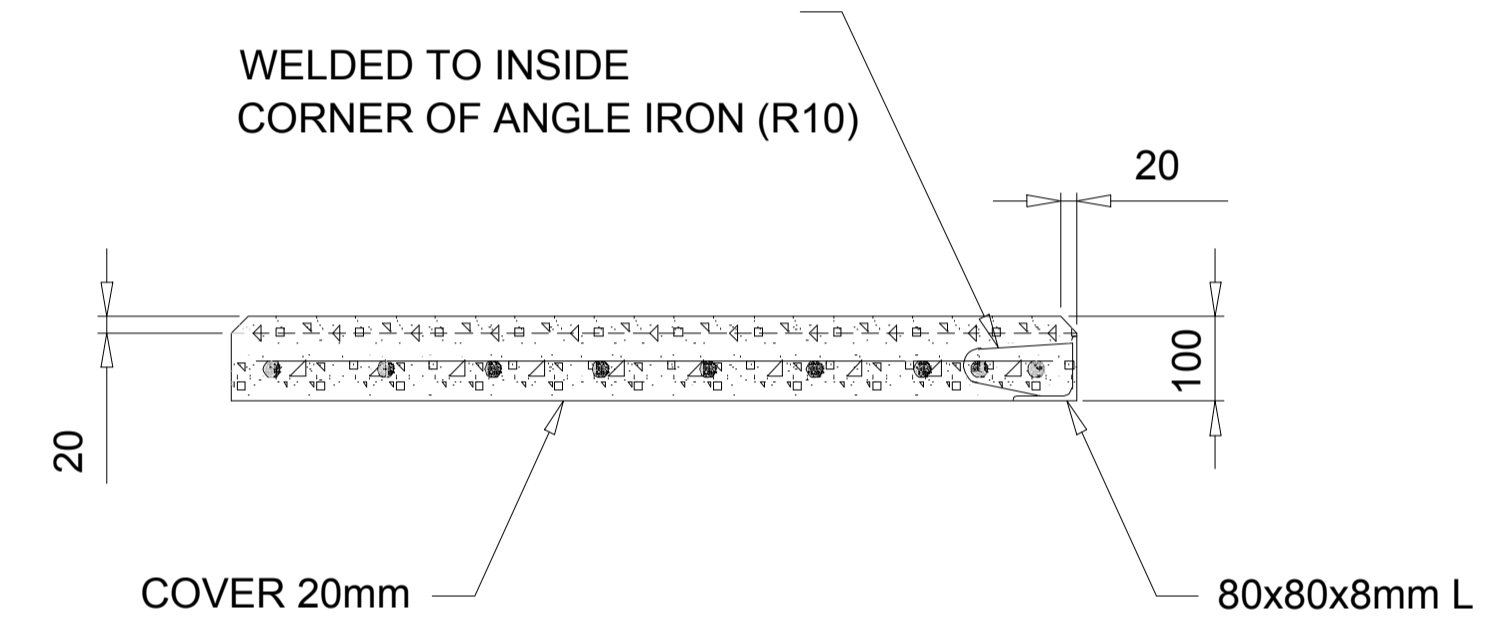


FOR APPROVAL

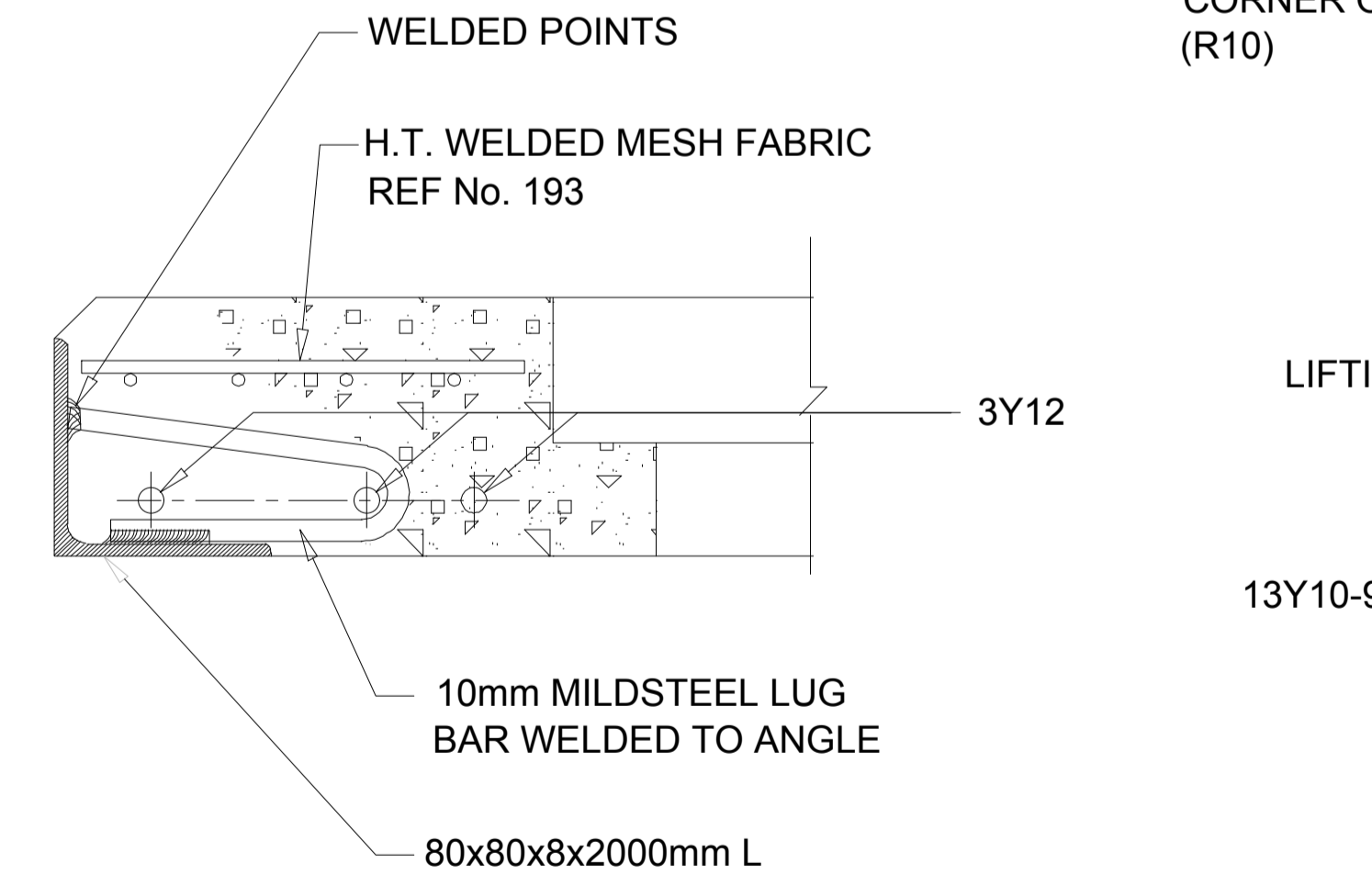
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		CHECKED	ZM		STERKSPRUIT ROADS UPGRADE			
		DRAWN	KM			ROAD 2 & 3 LONGSECTION & LAYOUT	SHEET 1 OF 6	FILE No.
		CHECKED	LN		Sinou Local Municipality Private Bag 303 Lady Grey 6755 Tel: 051 603 1301 Fax: 051 603 0445		DRAWING No. AF21/PL/S/02	REVISION
		DATE	21-08-01					0



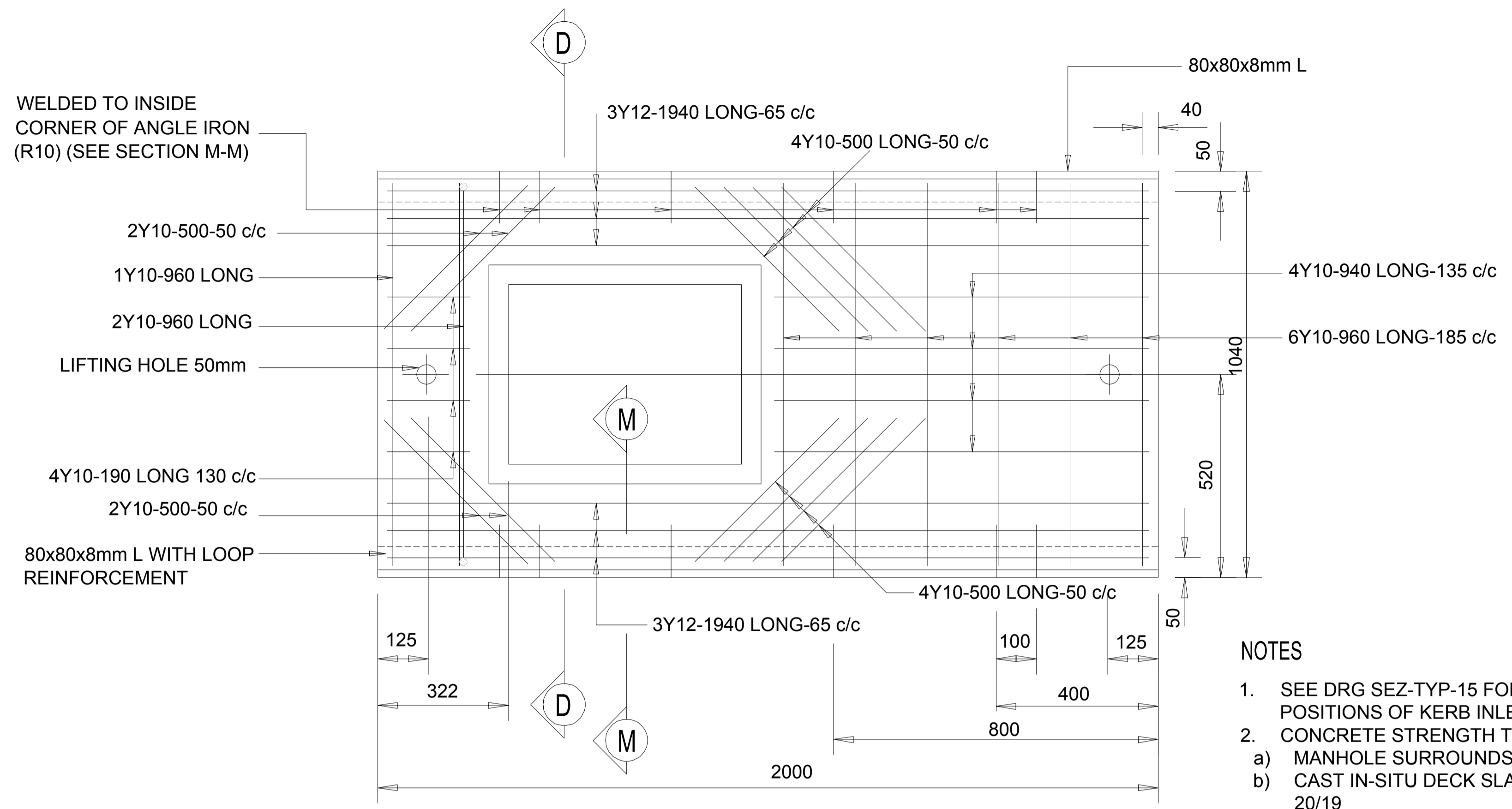
SECTION D-D



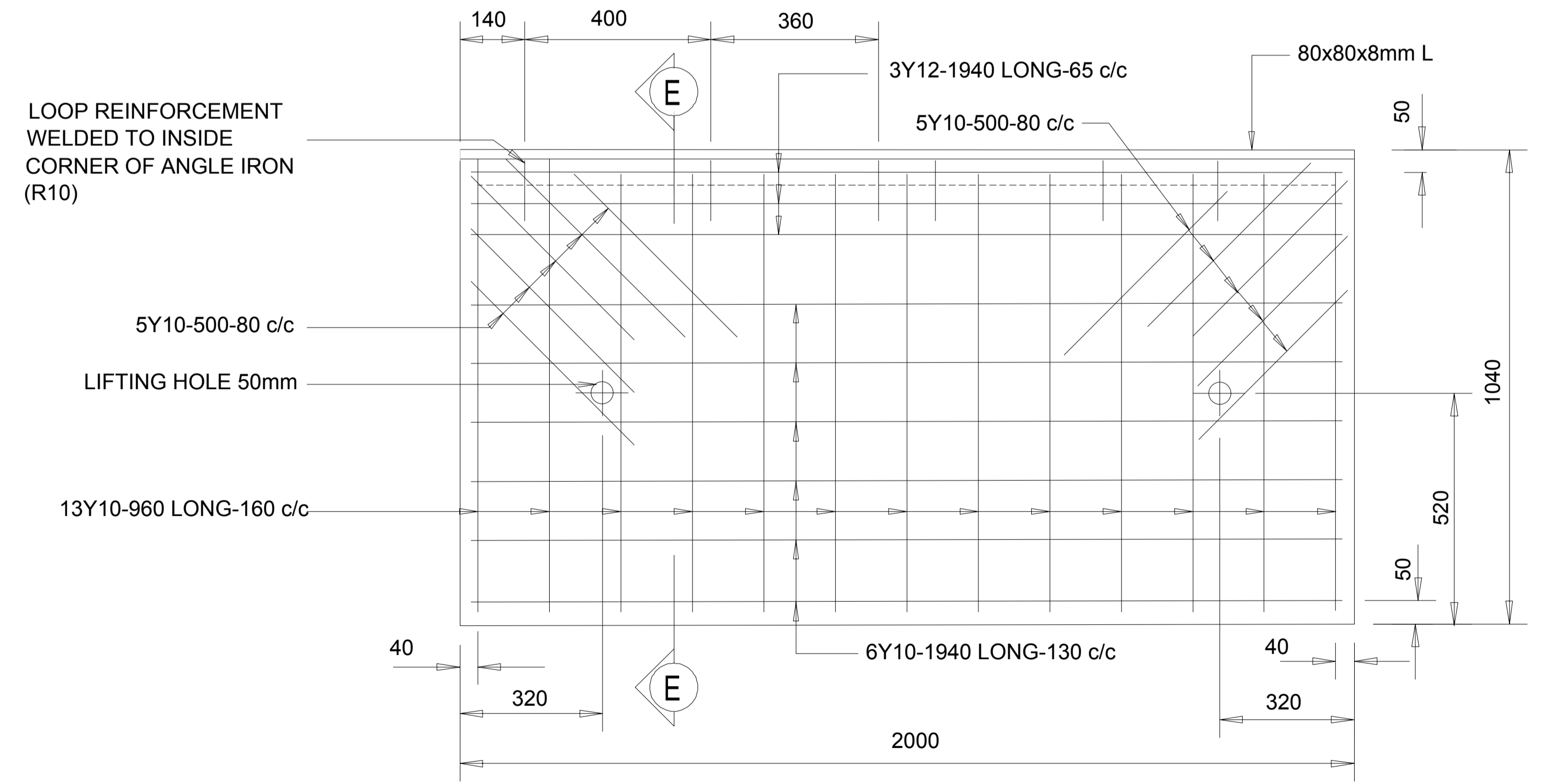
SECTION E-E



SECTION M-M



SLAB "A"



SLAB "B"

- NOTES**
- SEE DRG SEZ-TYP-15 FOR PLAN AND SECTION POSITIONS OF KERB INLET.
 - CONCRETE STRENGTH TO BE AS FOLLOWS:
 - MANHOLE SURROUNDS AND BENCHING: CLASS 15/19
 - CAST IN-SITU DECK SLABS & FOUNDATIONS: CLASS 20/19
 - PRECAST COVER SLABS & OTHER ITEMS: CLASS 25/19.
 - CAST IN-SITU KERBS, APRONS ETC: CLASS 25/19
 - ALL FLOORS AND BENCHING TO BE STEEL TROWELLED WITH A SMOOTH RADIUS.
 - MANHOLE & KERB INLET INTERNAL WIDTHS AND DEPTHS:
 - WIDTH
 - 750mm PIPES AND LESS - 900mm
 - 825mm PIPES AND MORE - 1200mm
 - SOME MANHOLE SIZES TO BE DETERMINED ON SITE
 - DEPTH - THE DEPTH INDICATED SHOULD BE INCREASED IF NECESSARY FOR MANHOLES TO PERMIT SUFFICIENT DISCHARGE HEAD TO DEVELOP.
 - MANHOLE DEPTH > 1.75m WIDTH OF BRICKWORK TO BE INCREASED TO 345mm
 - BELOW 3m SPECIAL ENGINEERING DESIGN REQUIRED FOR BRICKWORK
 - NO BACKFILL TO BE DONE UNTIL MORTAR IS SEVEN DAYS OLD.
 - PROVIDE STEP IRONS WHEN DEPTH > 1,2m
 - PIPES AT INLET AND OUTLET TO BE LAID SOFFIT TO SOFFIT.
 - SHOULD THERE BE A CHANGE IN PIPE DIAMETER, THE GREATER OF THE TWO SHOULD BE USED TO DETERMINE THE POSITIONING OF THE PIPES.
 - ALL ROADWORKS TO COMPLY WITH THA SANS 1200 SPECIFICATIONS.
 - ALL BRICKS TO BE OF QUALITY FBSE30 TO SANS 227-2007 WITH WATER ABSORPTION <14% AND EFFLORESCENCE <10.
 - ALL BRICKWORK TO BE IN ENGLISH BOND.
 - SECTION L-L ILLUSTRATES VARIATIONS TO SECTION B-B REQUIRED AT A LOW POINT KERB INLET.

CLIENT:

 19 Murray Street
 Lady Grey
 9755
 Tel: (051) 603 1449
 Email: vanzyll@senqu.gov.za

CONSULTANT:
 THEWO & SMMS - JV

 58 Biebner Road
 Westdene
 Bloemfontein
 9301
 Tel: +27 (051) 430 1321
 Email: pmo@thewo.co.za

PROFESSIONAL ENGINEER:
 L. MARAH
 PROF. Reg.No:
 920281
 DATE:
 SIGNATURE:




DESIGN BY:
 D.RWAZEMBA
 DRAWN BY:
 D.RWAZEMBA
 CHECKED BY:
 L. MARAH
 APPROVED BY:
 L. MARAH

REVISIONS			BY
REV	DATE	DESCRIPTION	

PROJECT NAME
 TITLE
 PROJECT STATUS:
TENDER
 DATE
 SCALE
 SHEET
 1 OF 1
 REV
 A
 DWG NO
 P-SM01-PMO-CE-M-103

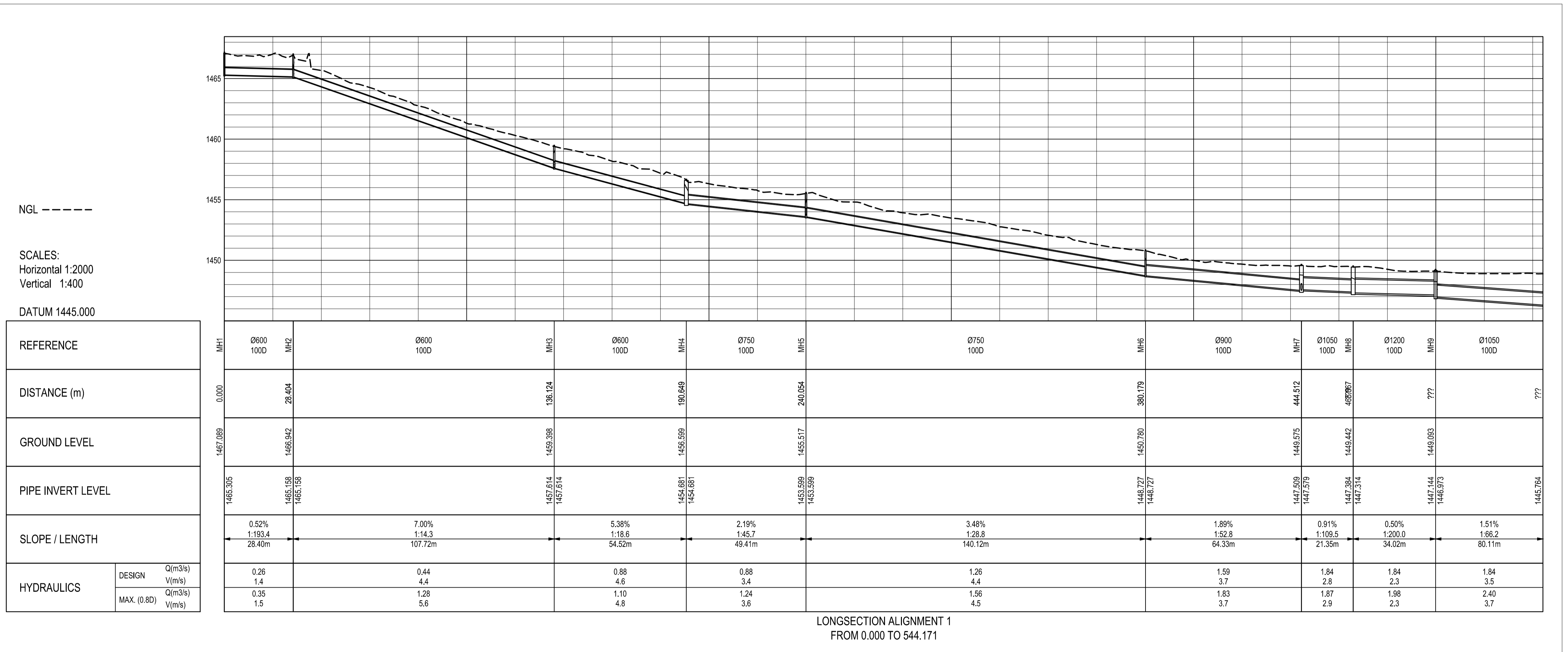
SLAB REINFORCEMENT



CLIENT:  19 Murray Street Lady Grey 9725 Tel: (051) 803 1449 Email: vanrensburg@sanqu.gov.za	CONSULTANT: THEWO & SMIMS - JV   Thewo Engineering 55 Brubaker Road Westdene Bloemfontein 9301 Miami Cuku Tel: +27 (051) 430 1321 Email: pro@thewo.co.za	PROFESSIONAL ENGINEER: M. CUKU PROF. Reg No: 2025302631	DESIGN BY: D. RWAZEMBA DRAWN BY: D. RWAZEMBA CHECKED BY: M. CUKU APPROVED BY: M. CUKU	<table border="1"> <thead> <tr> <th colspan="3">REVISIONS</th> </tr> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS			REV	DATE	DESCRIPTION										PROJECT NAME THE CONSTRUCTION OF 6KM PAVED ROADS WITHSTORMWATER CONTROL IN NEW REST (WARD 8- PHASE 1) TITLE STORMWATER PIPE NETWORK LAYOUT	PROJECT STATUS: TENDER DATE 2026-05-18 DWG NO P1027-BE-CIV-0101	<table border="1"> <thead> <tr> <th>SCALE</th> <th>SHEET</th> <th>REV</th> <th> </th> </tr> </thead> <tbody> <tr> <td>N.T.S</td> <td>1 OF 1</td> <td>1</td> <td>A1</td> </tr> </tbody> </table>	SCALE	SHEET	REV		N.T.S	1 OF 1	1	A1
		REVISIONS																												
REV	DATE	DESCRIPTION																												
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				PROJECT STATUS: TENDER	<table border="1"> <thead> <tr> <th>SCALE</th> <th>SHEET</th> <th>REV</th> <th> </th> </tr> </thead> <tbody> <tr> <td>N.T.S</td> <td>1 OF 1</td> <td>1</td> <td>A1</td> </tr> </tbody> </table>	SCALE	SHEET	REV		N.T.S	1 OF 1	1	A1																	
SCALE	SHEET	REV																												
N.T.S	1 OF 1	1	A1																											

MANHOLE (WGS 84 Lo 27°)

STRUCTURE NAME	Y	X
MH1	-35 479.719	3 379 691.769
MH2	-35 462.530	3 379 669.157
MH3	-35 537.917	3 379 592.212
MH4	-35 577.333	3 379 554.539
MH5	-35 604.175	3 379 513.062
MH6	-35 679.885	3 379 395.150
MH7	-35 708.455	3 379 337.509
MH8	-35 717.483	3 379 318.156
MH9	-35 744.226	3 379 297.127



CLIENT:



19 Murray Street
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Tel: (051) 603 1449
Email: vanrensburg@senqu.gov.za

CONSULTANT:



Thewo Engineering
58 Bretner Road
Westdene
Bloemfontein
9501
Miami Cuku
Tel: +27 (051) 430 1321
Email: pm@thewo.co.za

PROFESSIONAL ENGINEER:

M. CUKU
PROF. Reg.No:
2025302631
DATE:
SIGNATURE:

DESIGN BY:

D. RWAZEMBA
DRAWN BY:
D. RWAZEMBA
CHECKED BY:
M. CUKU
APPROVED BY:
M. CUKU

REVISIONS

REV	DATE	DESCRIPTION	BY

PROJECT NAME

THE CONSTRUCTION OF 6KM PAVED ROADS WITHSTORMWATER CONTROL IN NEW REST (WARD 8- PHASE 1)

TITLE

STORMWATER LONGSECTION & LAYOUT FROM 0.000 TO 544.171

PROJECT STATUS:

TENDER

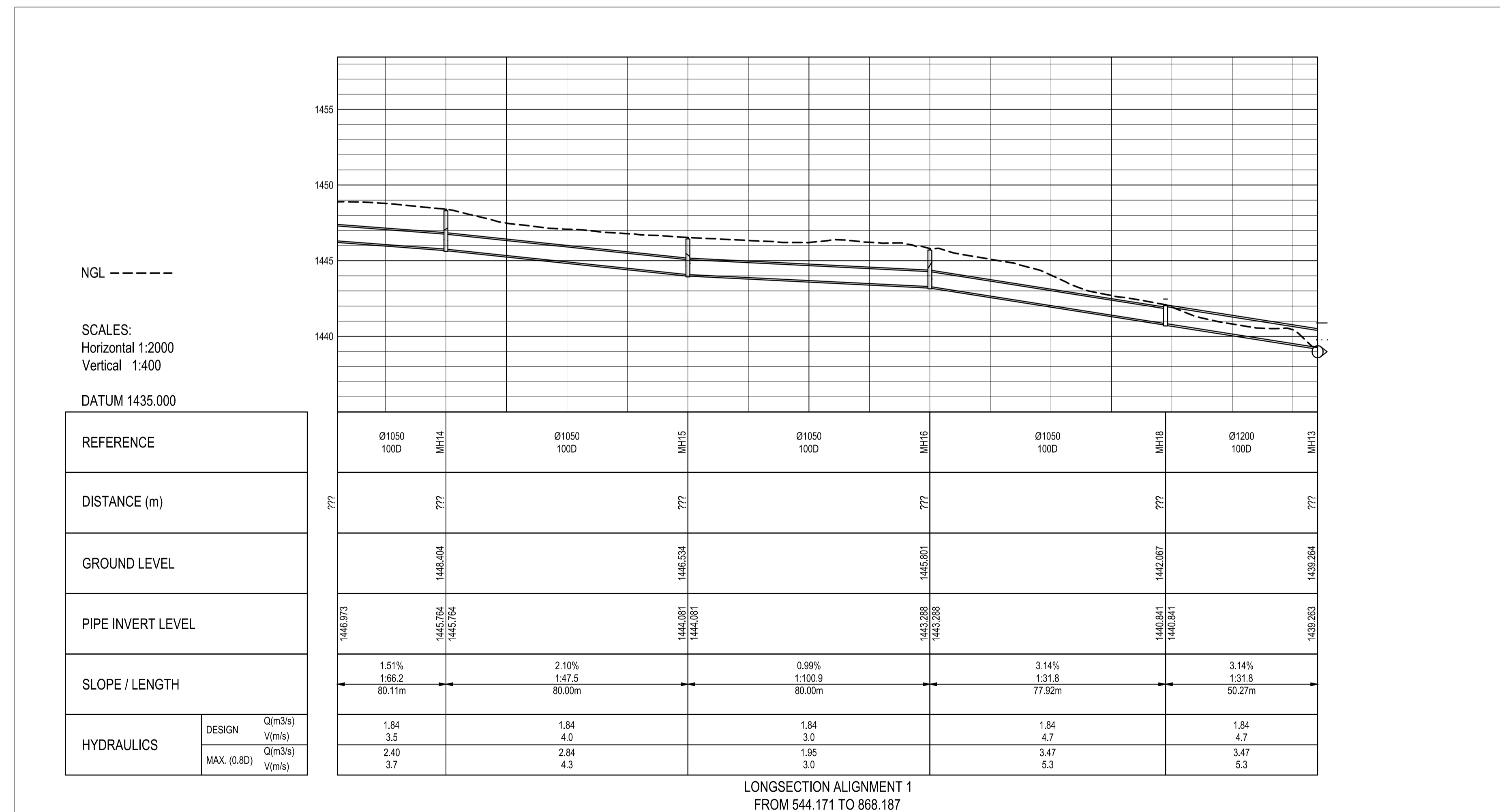
DATE	SCALE	SHEET	REV	A1
2026-05-18	N.T.S	1 OF 2	1	A1

DWG NO

P1027-BE-CIV-LS-01

MANHOLE (WGS 84 Lo 27°)

STRUCTURE NAME	Y	X
MH13	-35 960.199	3 378 998.799
MH14	-35 791.204	3 379 232.235
MH15	-35 838.117	3 379 167.433
MH16	-35 885.029	3 379 102.632
MH18	-35 930.723	3 379 039.515



CLIENT:



19 Murray Street
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Tel: (051) 603 1449
Email: varrensburg@serqu.gov.za

CONSULTANT:



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Bloemfontein
9301
Miami Cuku
Tel: +27 (051) 430 1321
Email: pm@thewo.co.za

PROFESSIONAL ENGINEER:

M. CUKU
PROF. Reg.No:
2025302631
DATE:
SIGNATURE:

DESIGN BY:

D. RWAZEMBA
DRAWN BY:
D. RWAZEMBA
CHECKED BY:
M. CUKU
APPROVED BY:
M. CUKU

REVISIONS

REV	DATE	DESCRIPTION	BY

PROJECT NAME

THE CONSTRUCTION OF 6KM PAVED ROADS WITHSTORMWATER CONTROL IN NEW REST (WARD 8- PHASE 1)

TITLE

STORMWATER LONGSECTION & LAYOUT FROM 544.171 TO 868.187

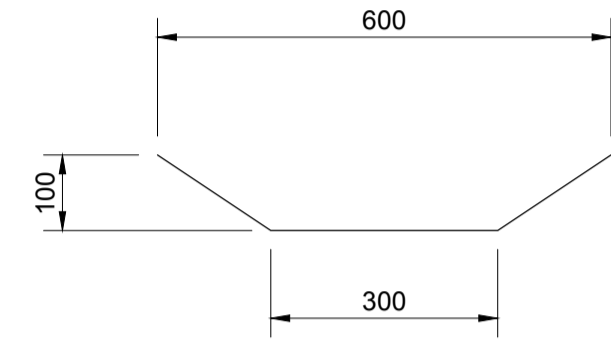
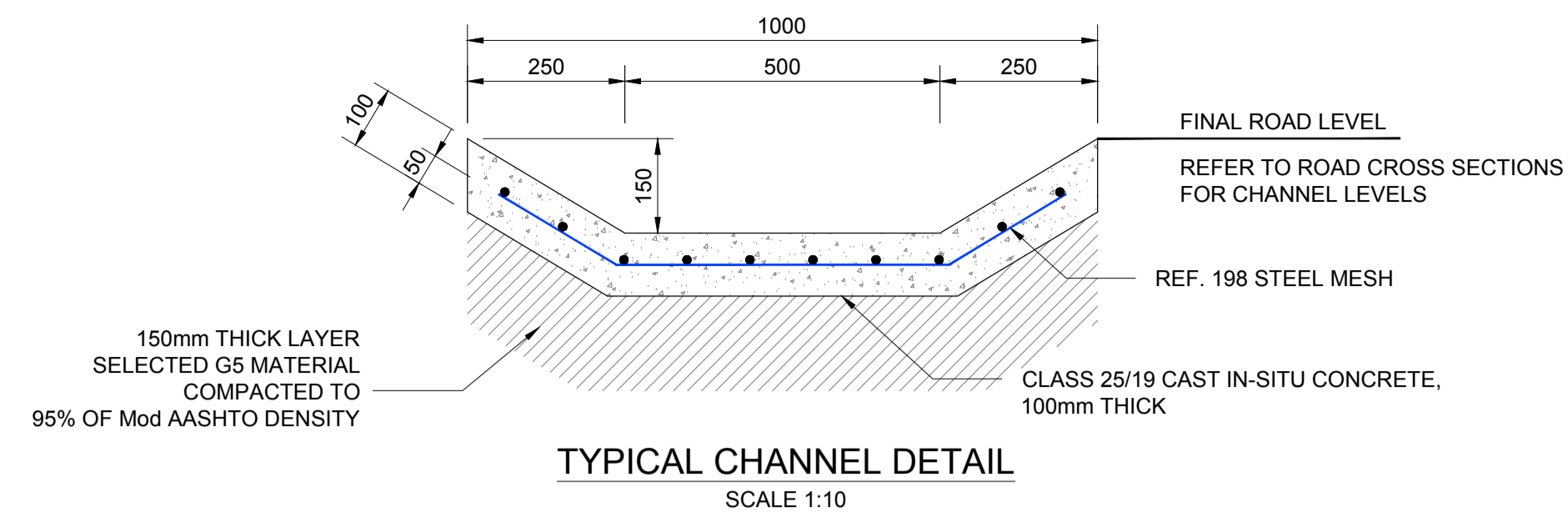
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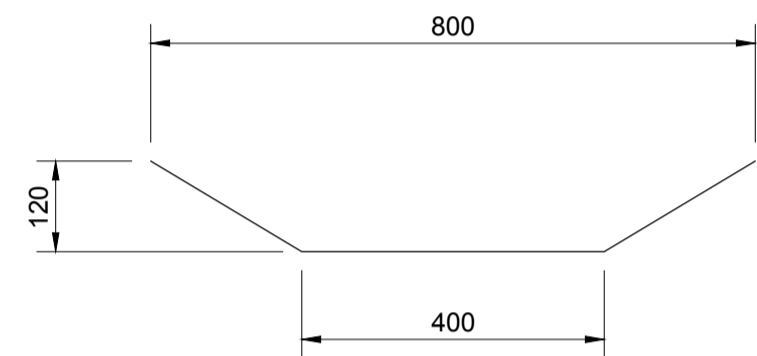
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DWG NO

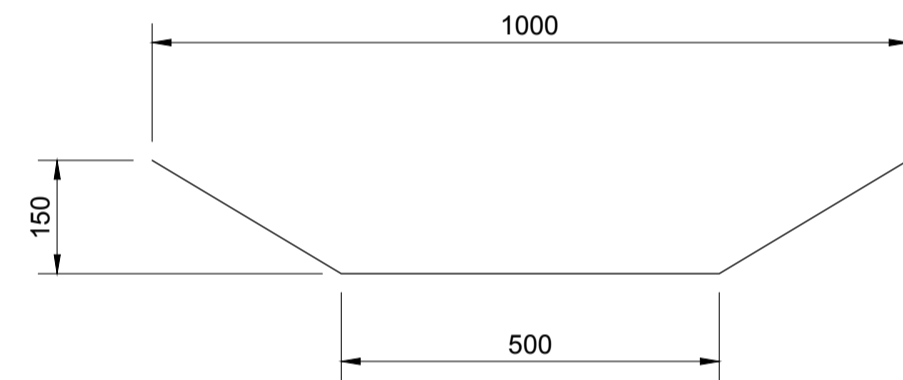
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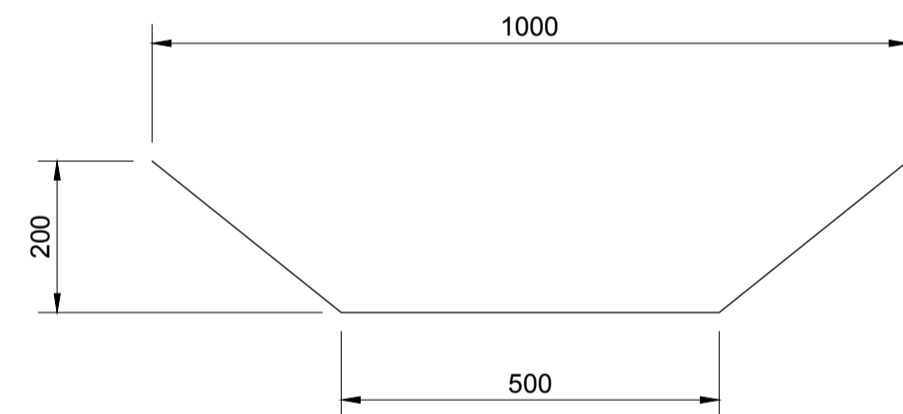
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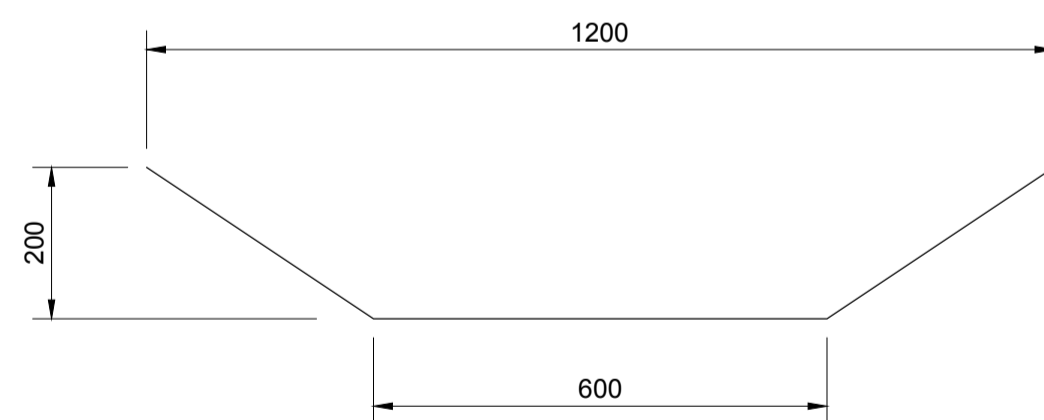
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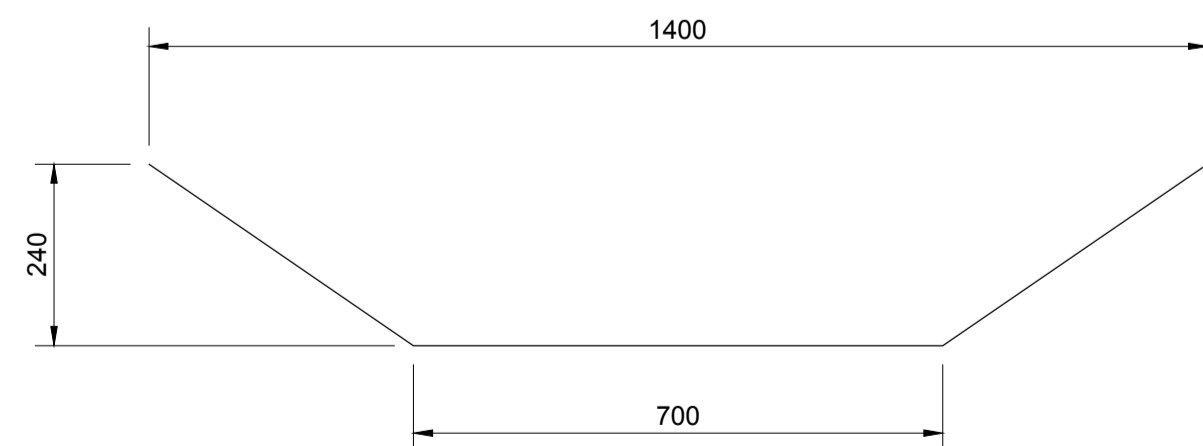
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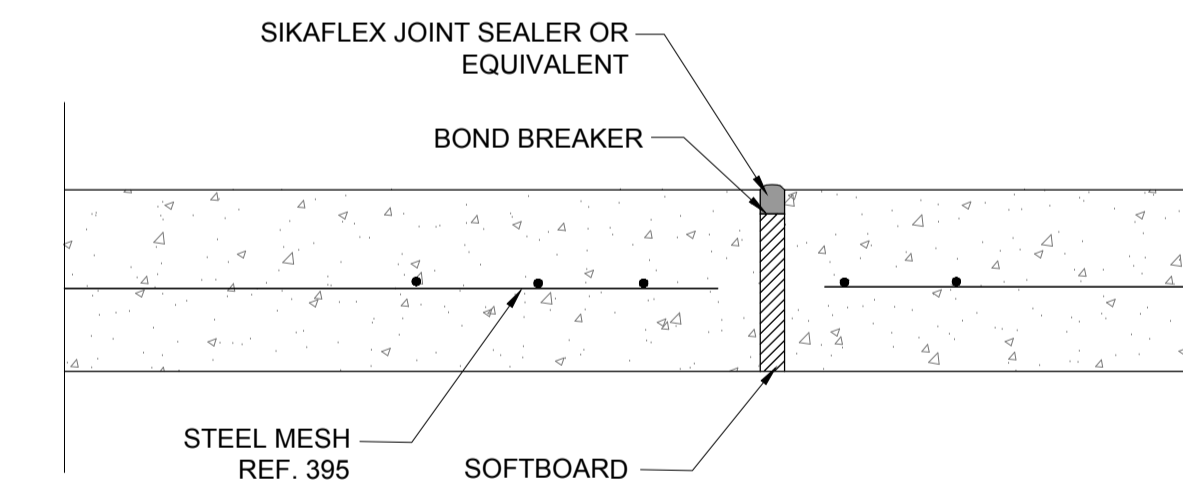
CHANNEL TYPE D



CHANNEL TYPE E



CHANNEL TYPE F



CHANNEL CONSTRUCTION JOINT DETAIL @ 2500mm INTERVALS
SCALE 1:5

CLIENT:



19 Murray Street
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CONSULTANT:



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PROFESSIONAL ENGINEER:

M. CUKU
PROF. Reg.No:
2025302631
DATE:
SIGNATURE:

DESIGN BY:

D. RWAZEMBA
DRAWN BY:
D. RWAZEMBA

CHECKED BY:

M. CUKU

APPROVED BY:

M. CUKU

REVISIONS

REV	DATE	DESCRIPTION	BY

PROJECT NAME

THE CONSTRUCTION OF 6KM PAVED ROADS WITH STORMWATER CONTROL IN NEW REST (WARD 8 - PHASE 1)

TITLE

TRAPEZOIDAL CONCRETE DRAIN DETAILS

PROJECT STATUS:

CONSTRUCTION

DATE	SCALE	SHEET	REV	A1
2025-05-18	N.T.S	1 OF 1	a	A1

DWG NO

P-SM01-PMO-CE-M-109

NOTES

ALL PIPES BELOW SIDEWALKS & OPEN AREAS TO BE CLASS 100 'D'

THE CONTRACTOR SHALL AT ALL TIMES ADHERE TO THE SAFETY PRECAUTIONS AS SET OUT IN SANS 1200 D-1988.

BEDDING:

- a. **NORMAL BEDDING** ACCORDING TO DETAIL 1.
- b. **BEDDING ACCORDING TO DETAIL 2.**
- c. **CONCRETE SLAB OVER PIPE** ACCORDING TO DETAIL 3.
- d. **CONCRETE BEDDING** ACCORDING TO DETAIL 4.

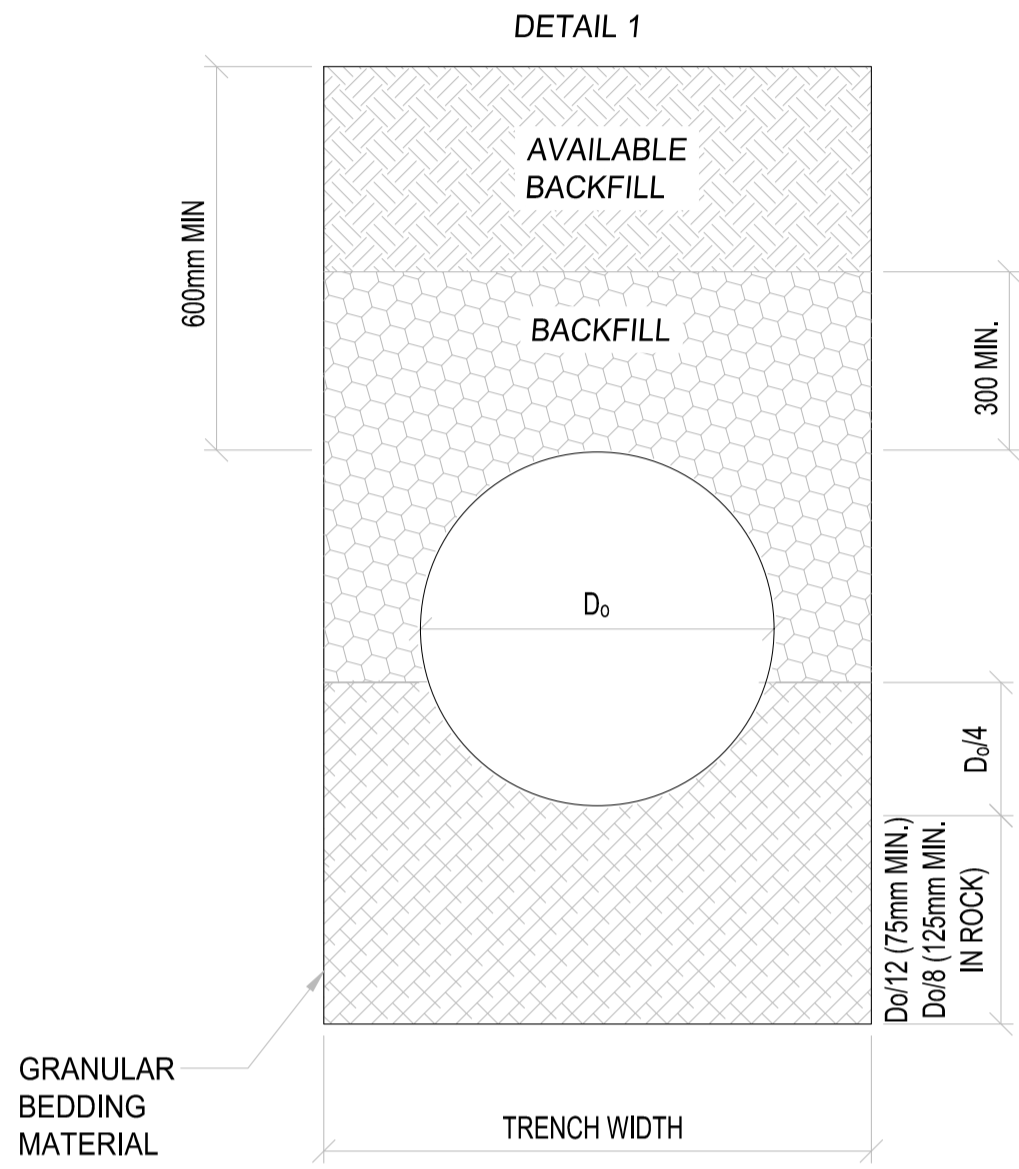
BEDDING MATERIAL:
THE MATERIAL USED CONSISTS OF SELECTED GRAVEL WITH PI ≤ 6, MUST BE FREE OF STONES LARGER THAN 20mm, ORGANIC MATERIAL AND CLAY LUMPS. THE BEDDING MATERIAL AT THE SIDES OF THE PIPE MUST BE COMPACTED TO 90% MOD. AASHTO DENSITY AFTER THE PIPE HAS BEEN LAID.

BACKFILL TYPE A:
THE MATERIAL USED MUST BE UNIFORM AND MUST BE COMPACTED TO 90% MOD AASHTO DENSITY IN LAYERS NOT MORE THAN 100mm AND MUST BE FREE OF:

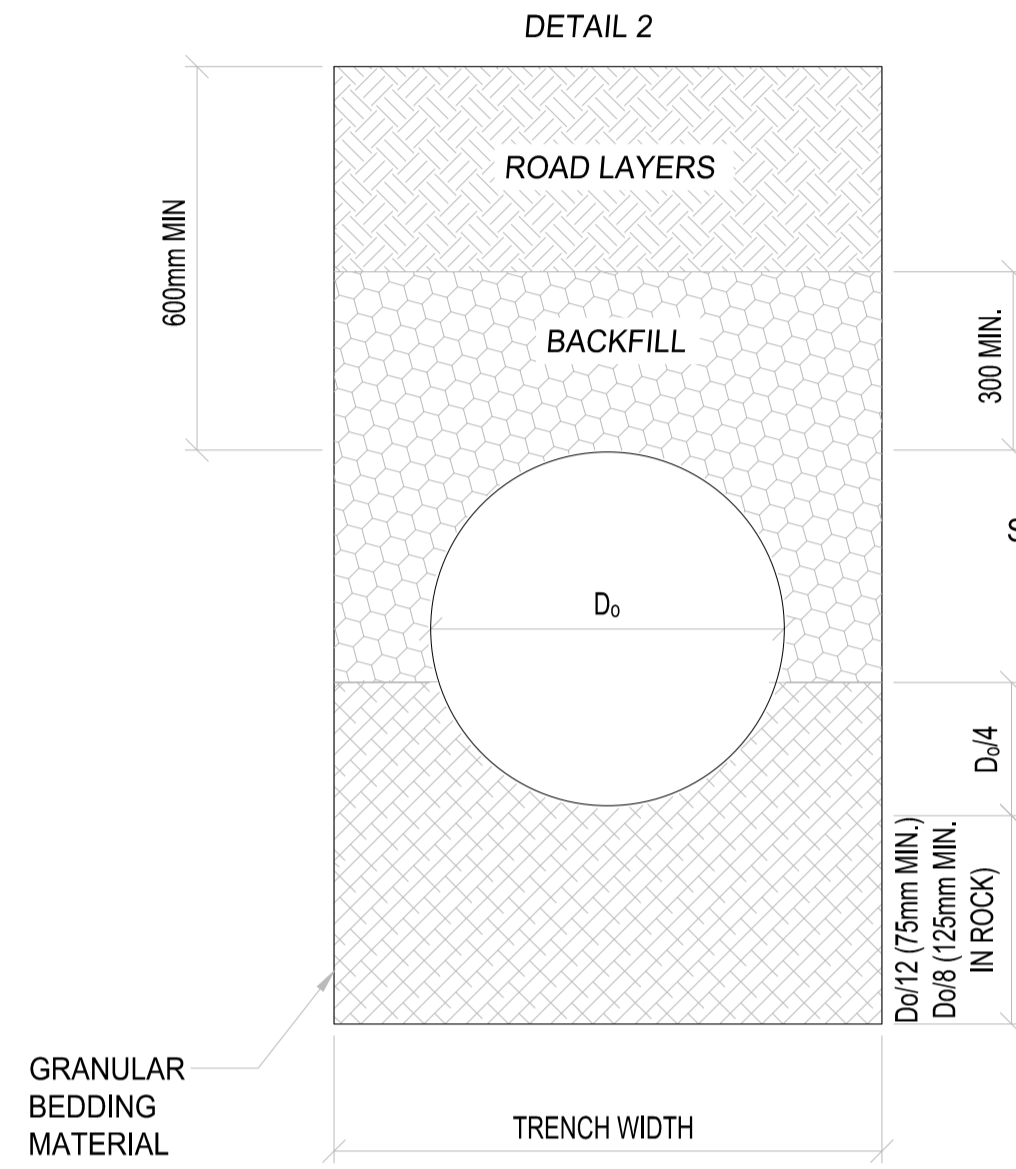
- a. **ROOTS OF TREES, BUILDING RUBBLE AND ORGANIC MATERIAL.**
- b. **CLAY LUMPS LARGER THAN 75mm.**
- c. **STONES LARGER THAN 20mm.**

BACKFILL TYPE B:
MINIMUM G9 MATERIAL ACCORDING TO TRH14 CLASSIFICATION COMPACTED TO A MIN. OF 90% MOD. AASHTO DENSITY IN LAYERS NOT MORE THAN 150mm.

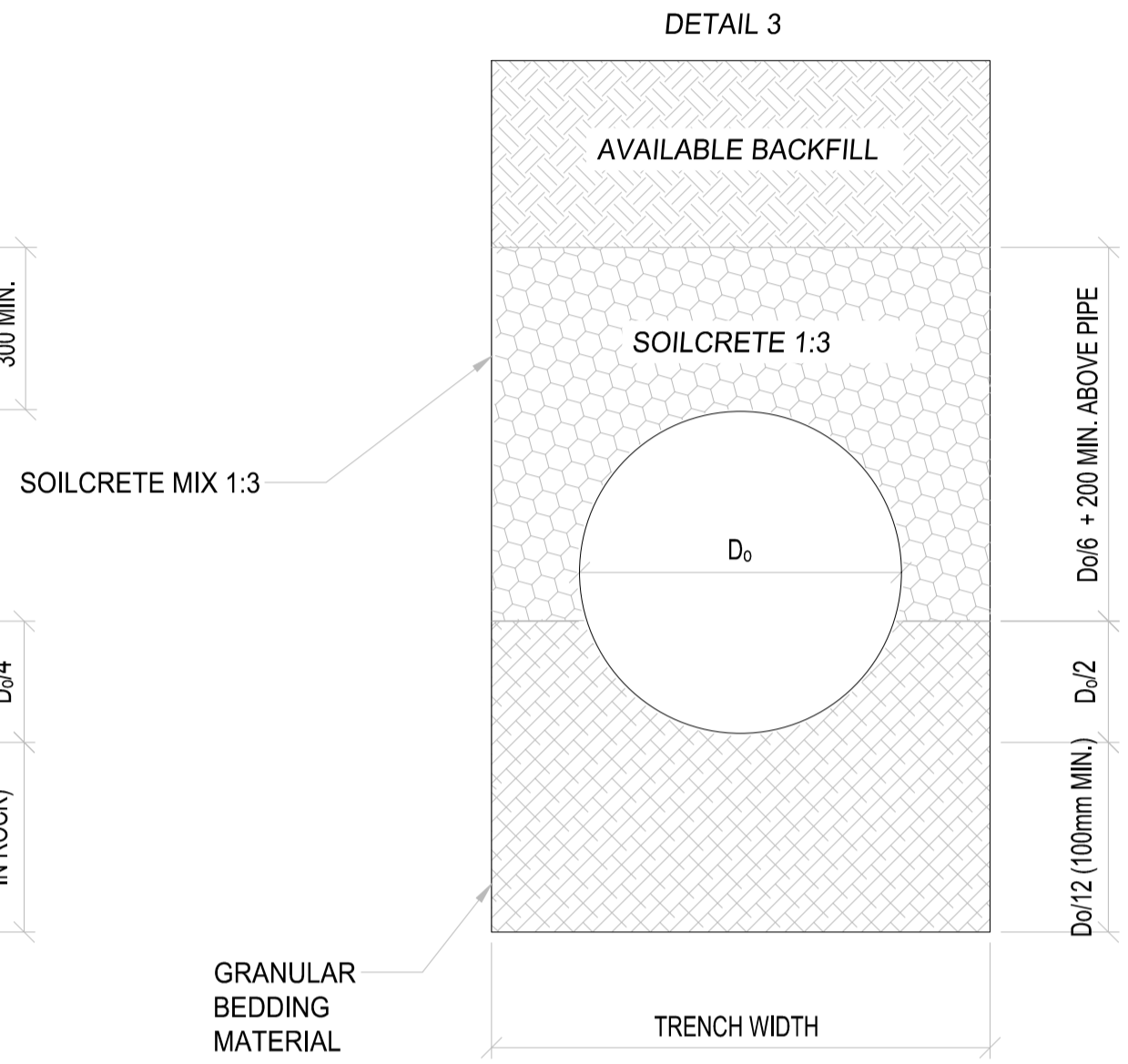
MINIMUM PIPE SIZE TO BE 450mm DIAMETER.



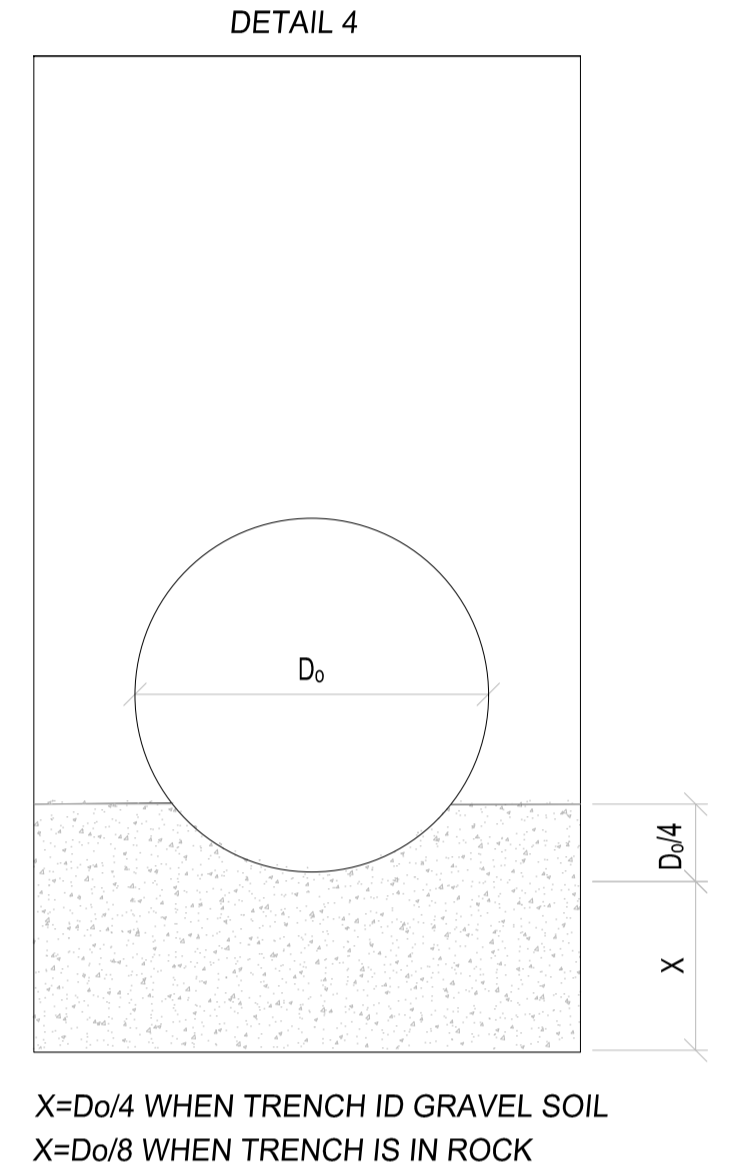
STORMWATER PIPES UNDER SIDEWALK
SCALE 1:25



STORMWATER PIPES UNDER ROAD
SCALE 1:25



STORMWATER PIPES WHERE SOILCRETE IS REQUIRED
SCALE 1:25



STORMWATER PIPES WITH CONCRETE BEDDING
SCALE 1:25

X=D0/4 WHEN TRENCH IS GRAVEL SOIL
X=D0/8 WHEN TRENCH IS IN ROCK

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PROFESSIONAL ENGINEER:

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PROF. Reg. No: 2025302631
DATE: _____
SIGNATURE: _____

DESIGN BY: D. RWAZEMBA
DRAWN BY: D. RWAZEMBA
CHECKED BY: M. CUKU
APPROVED BY: M. CUKU

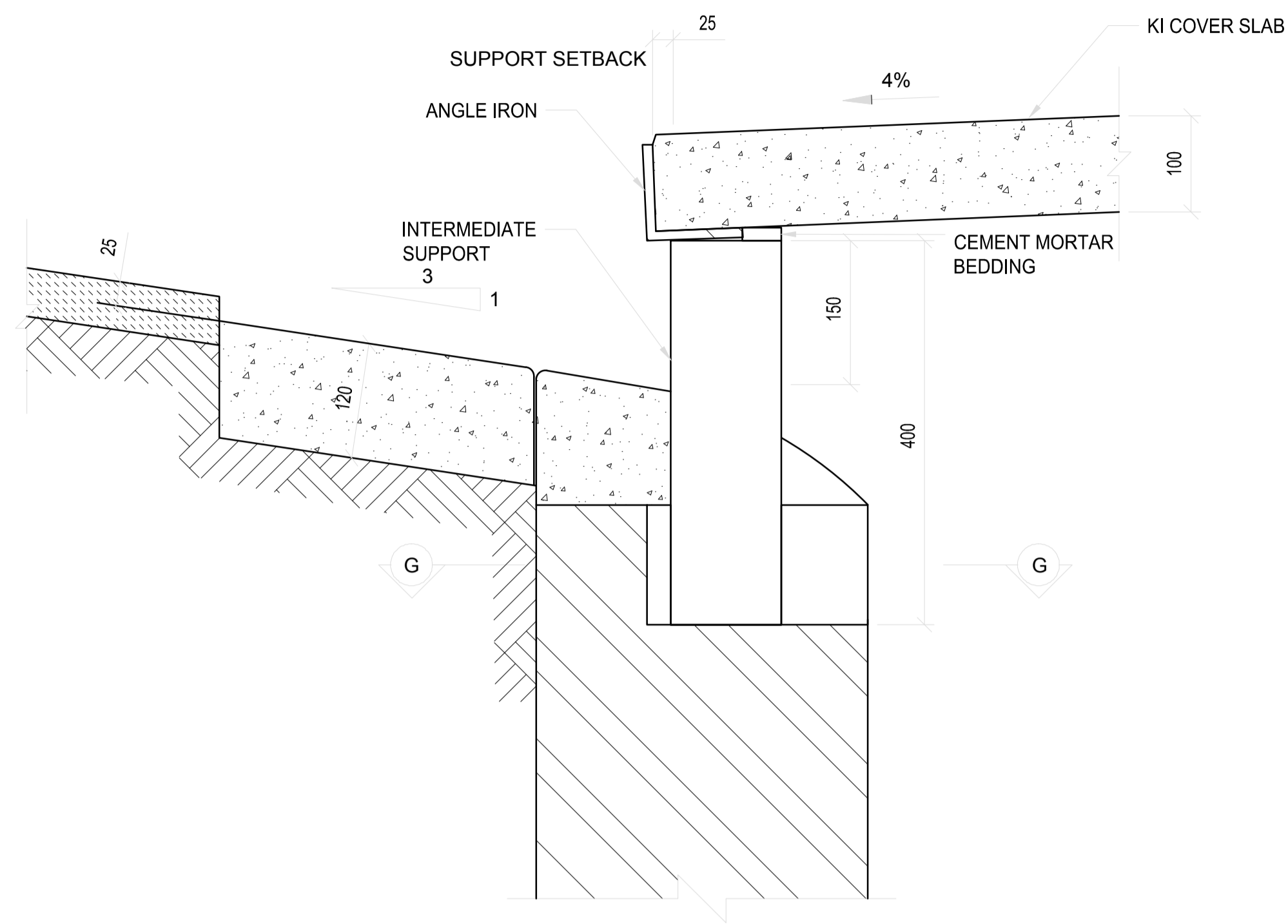
REVISIONS			
REV	DATE	DESCRIPTION	BY

PROJECT NAME: **THE CONSTRUCTION OF 6KM PAVED ROADS WITH STORMWATER CONTROL IN NEW REST (WARD 8 - PHASE1)**

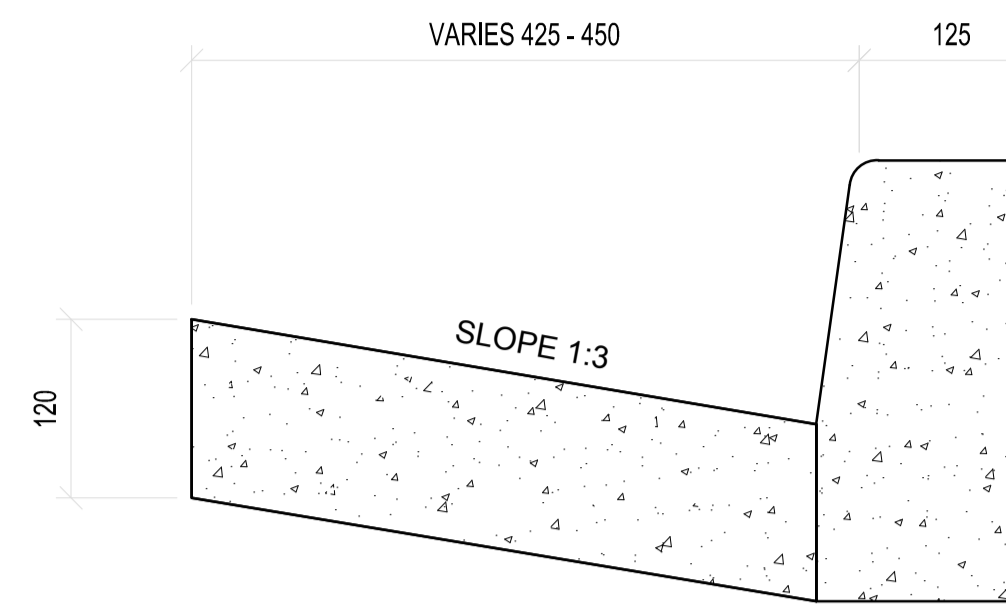
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PROJECT STATUS: **TENDER**

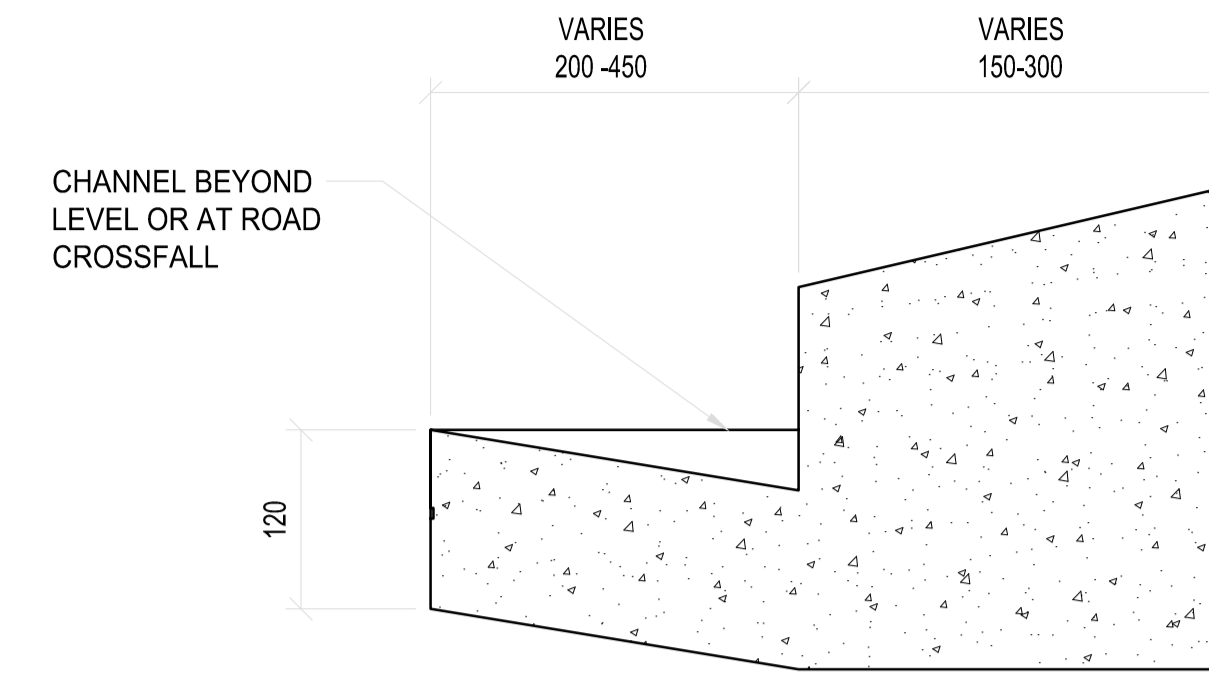
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DWG NO: P-SM01-PMO-CE-M-104				



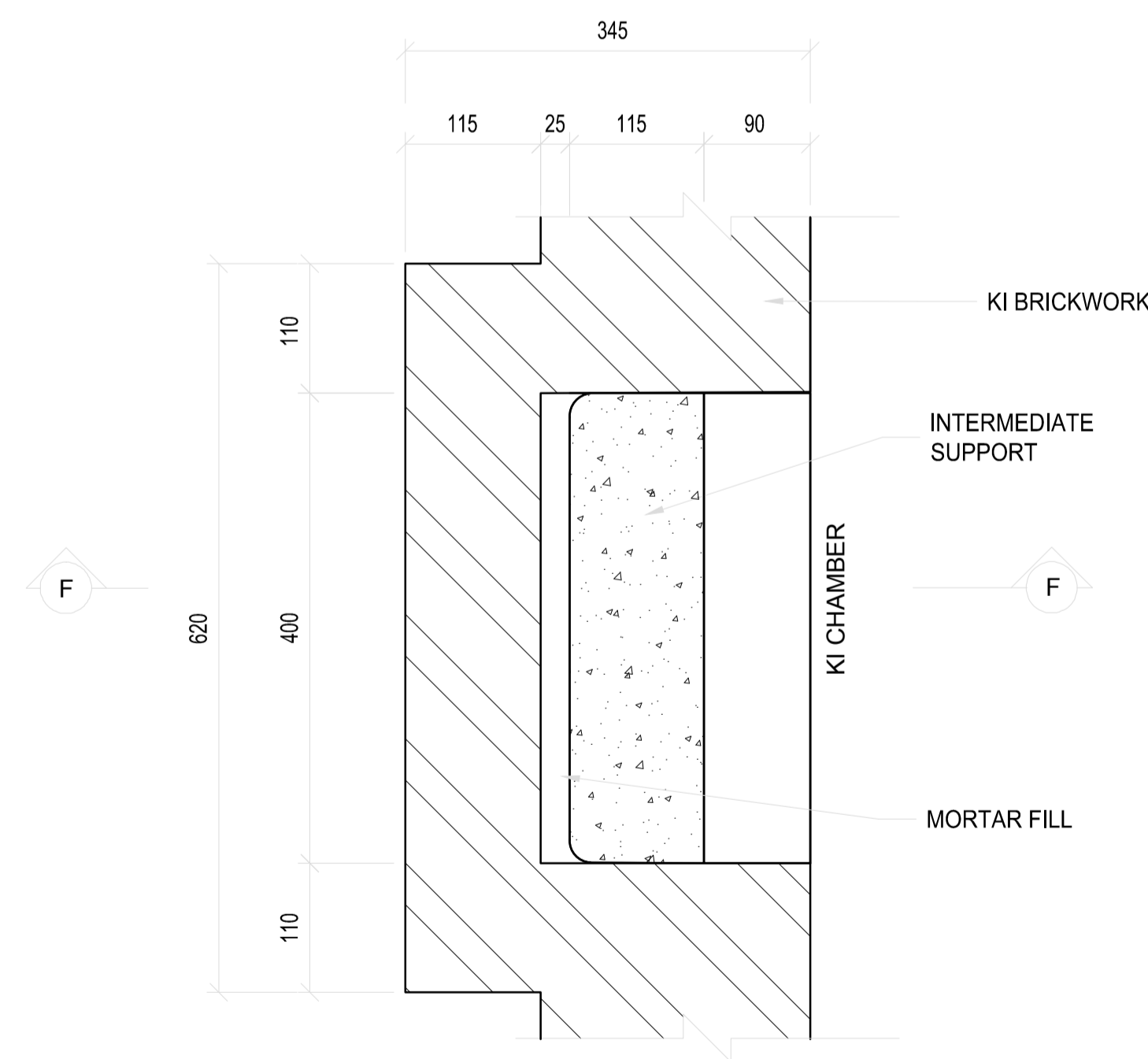
SECTION F-F THROUGH KI APRON & SUPPORT
SCALE 1:5



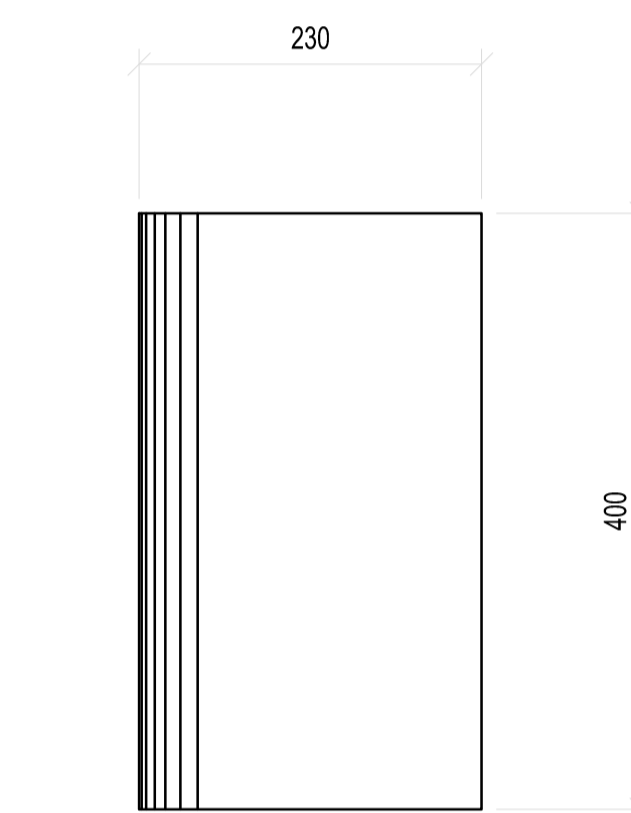
SECTION J-J
SCALE 1:5



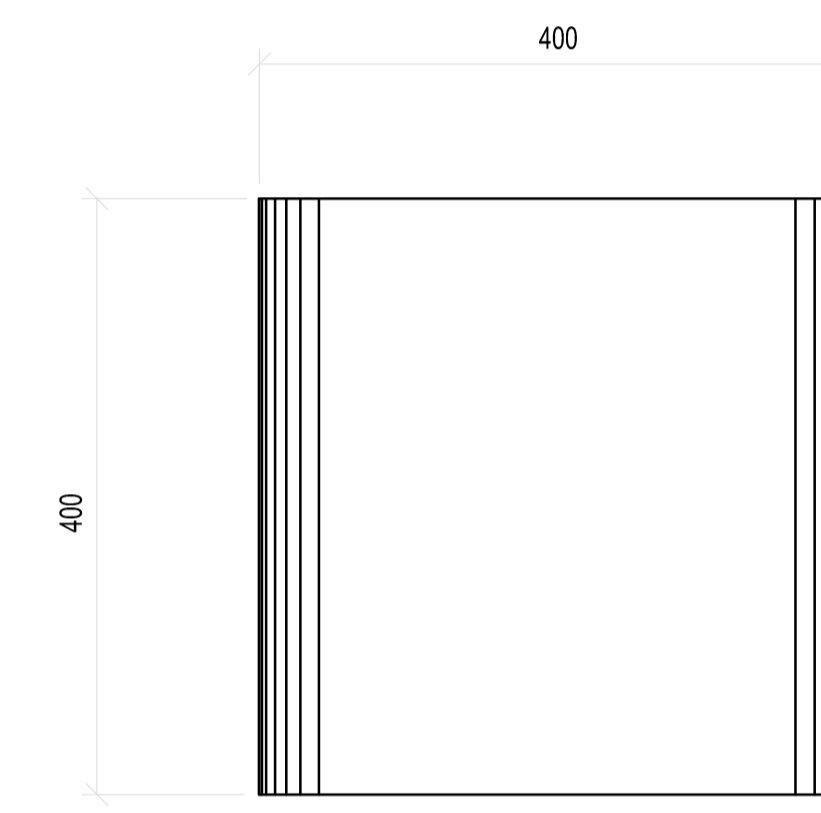
SECTION K-K
SCALE 1:5



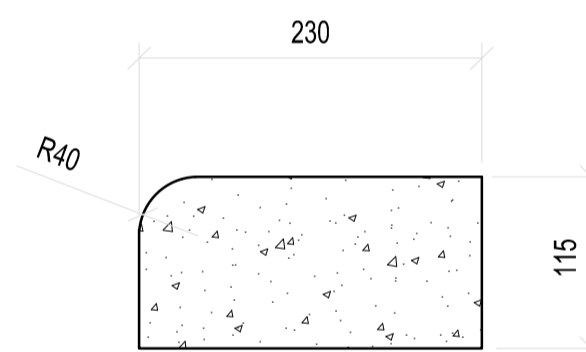
SECTION G-G THROUGH KI SUPPORT
SCALE 1:5



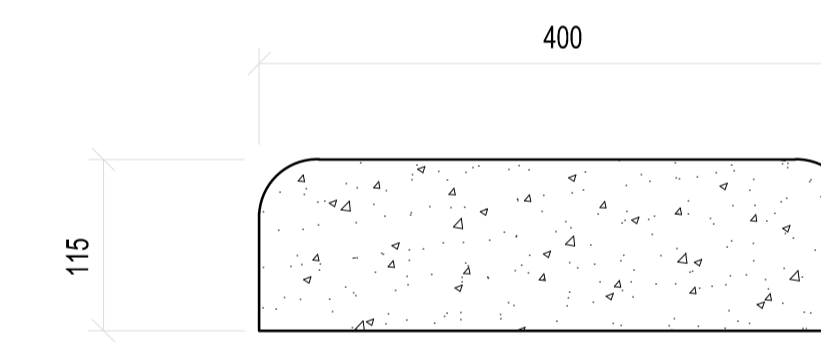
END SUPPORT FOR COVER SLAB
SCALE 1:5



INTERMEDIATE SUPPORT FOR COVER SLAB
SCALE 1:5



DETAIL OF JOINT IN APRON
SCALE 1:5



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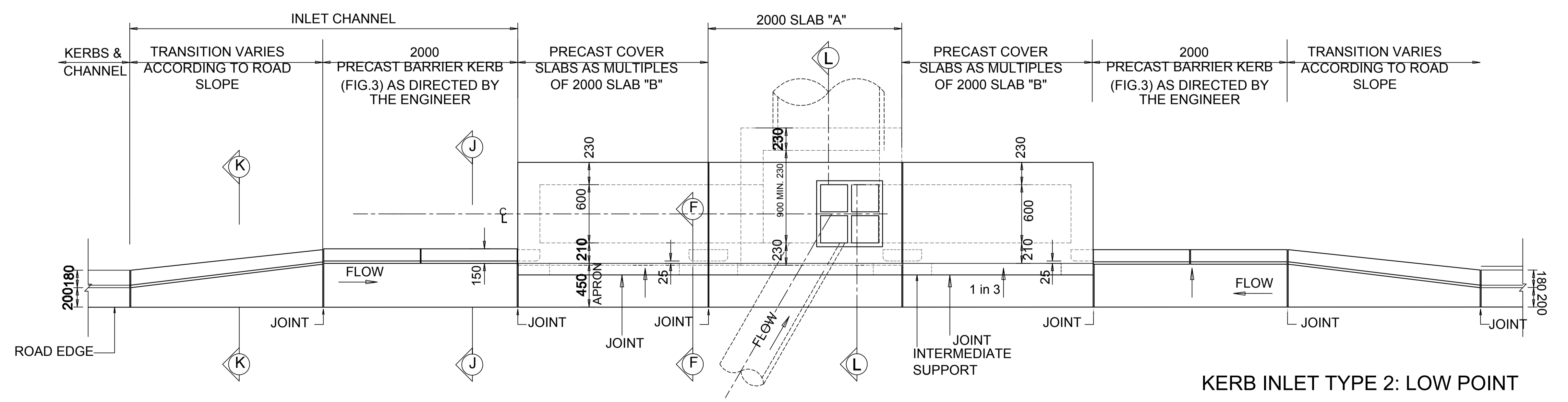
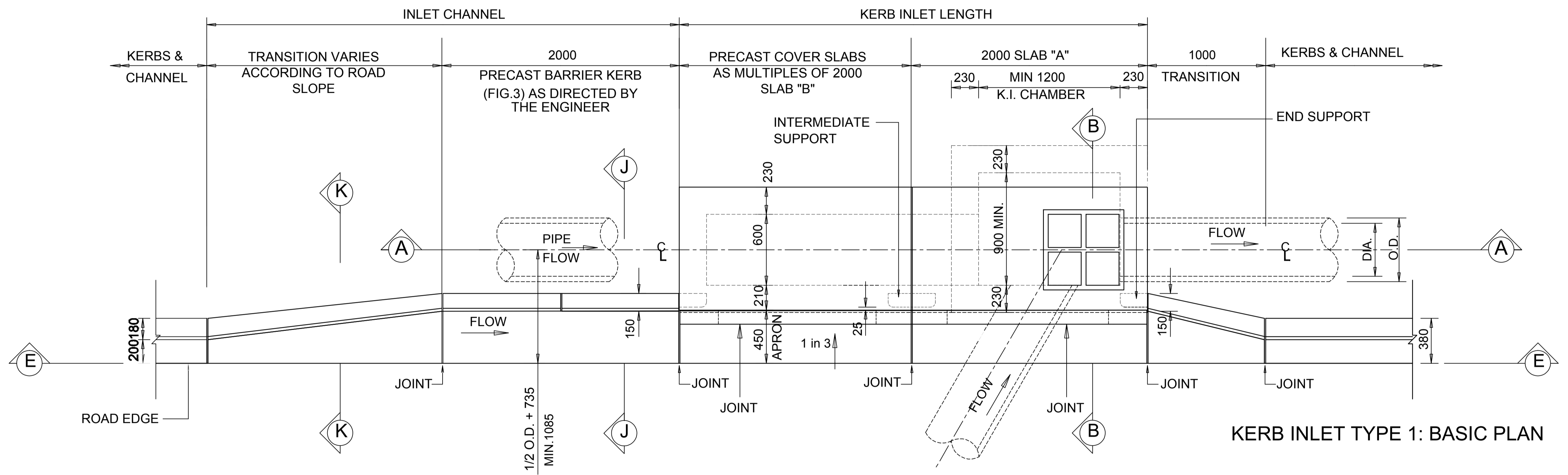
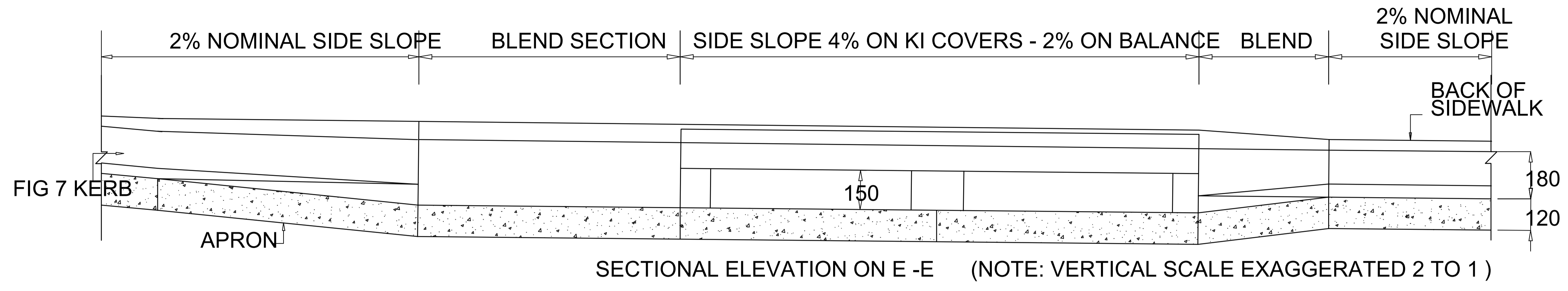
PROFESSIONAL ENGINEER:
 M. CUKU
 PROF. Reg.No:
 2025302631
 DATE:
 SIGNATURE:




DESIGN BY:
 D. RWAZEMBA
 DRAWN BY:
 D. RWAZEMBA
 CHECKED BY:
 M. CUKU
 APPROVED BY:
 M. CUKU

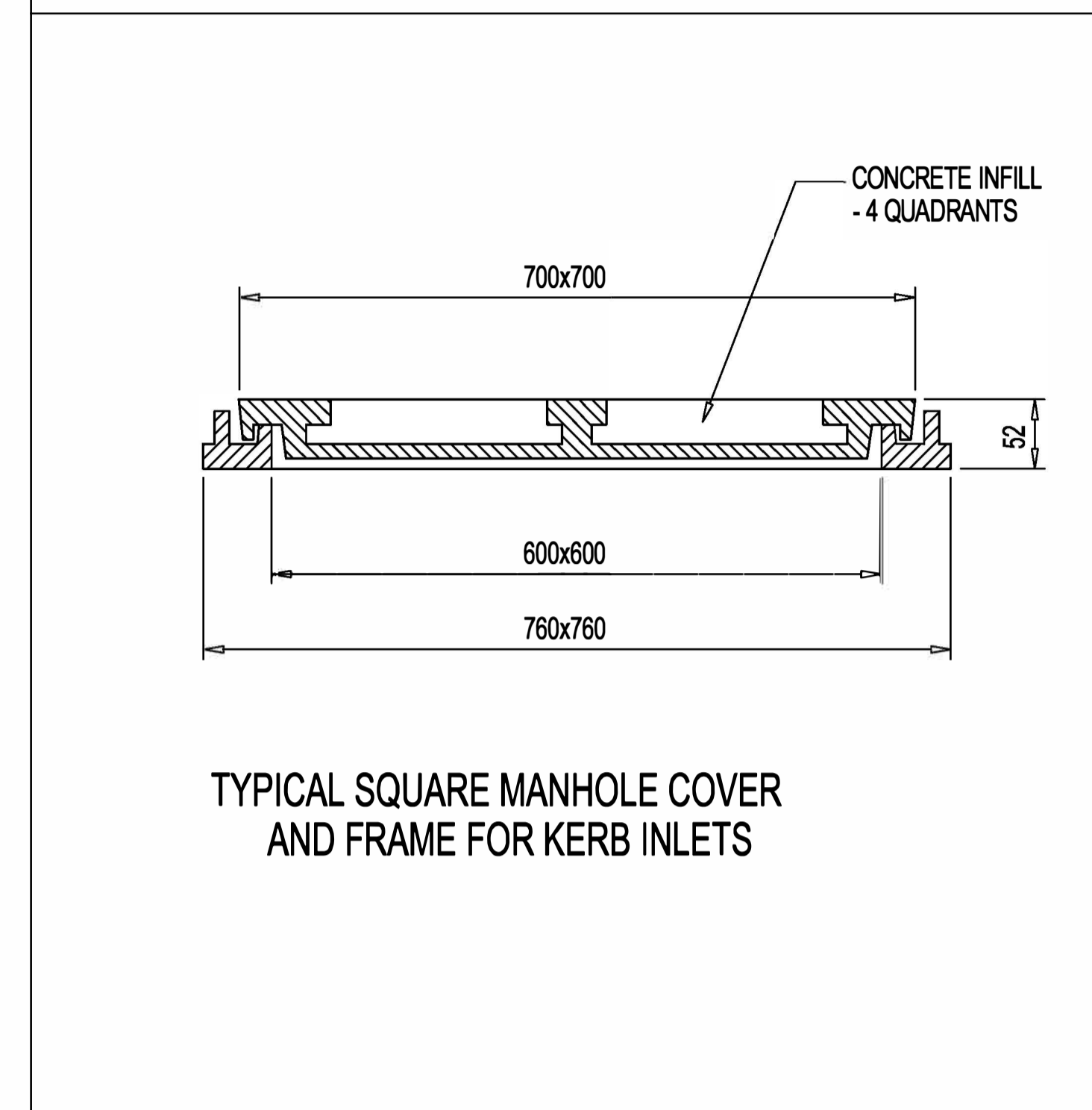
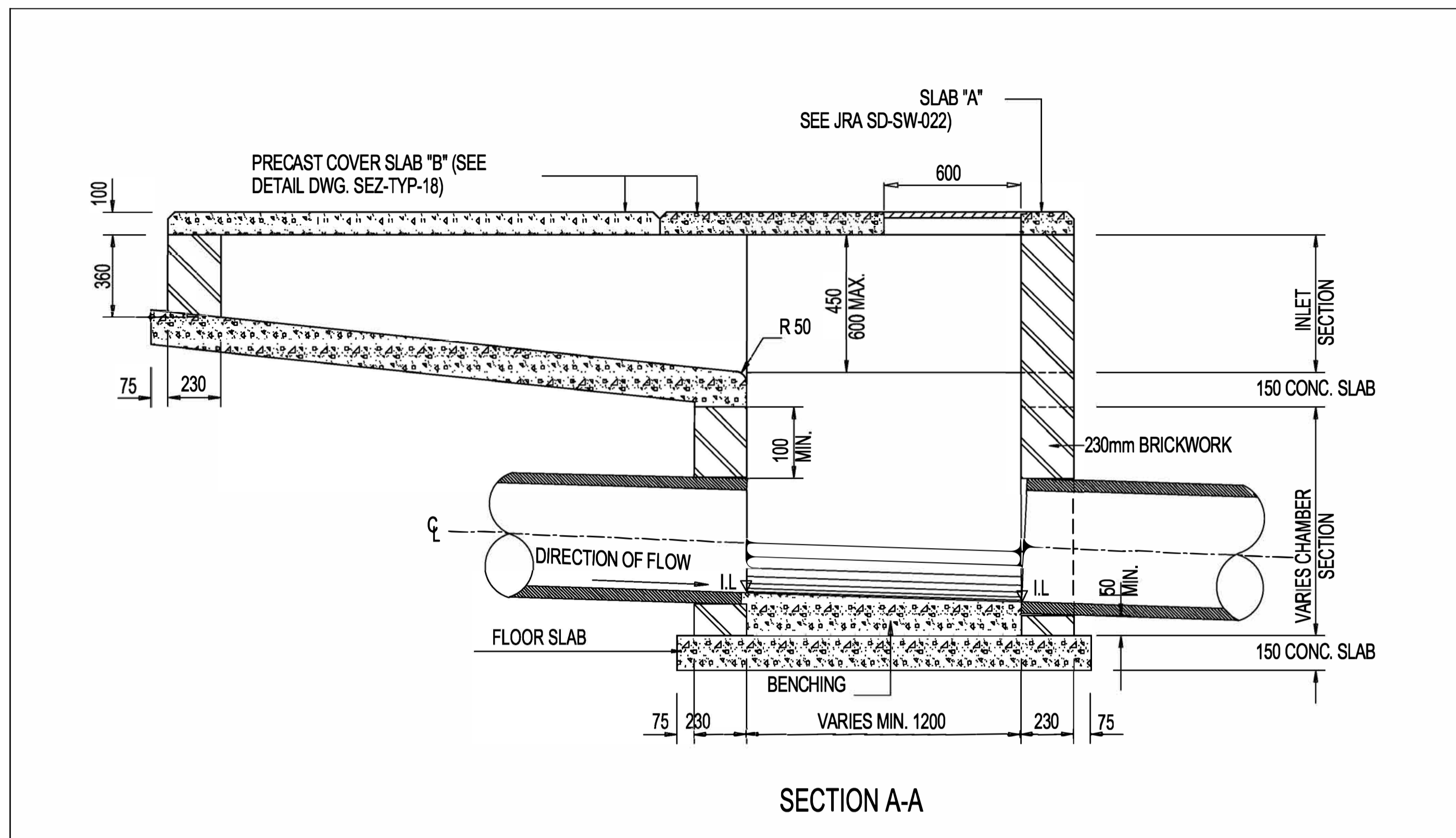
REVISIONS			
REV	DATE	DESCRIPTION	BY

PROJECT NAME:
THE CONSTRUCTION OF 6KM PAVED ROADS WITH STORMWATER CONTROL IN NEW REST (WARD 8 - PHASE1)
 TITLE:
KERB APRON & SUPPORT DETAILS

PROJECT STATUS:
TENDER
 DATE: 2026-05-18
 SCALE: N.T.S.
 SHEET: 1 OF 1
 REV: A
 A1
 DWG NO:
P-SM01-PMO-CE-M-105

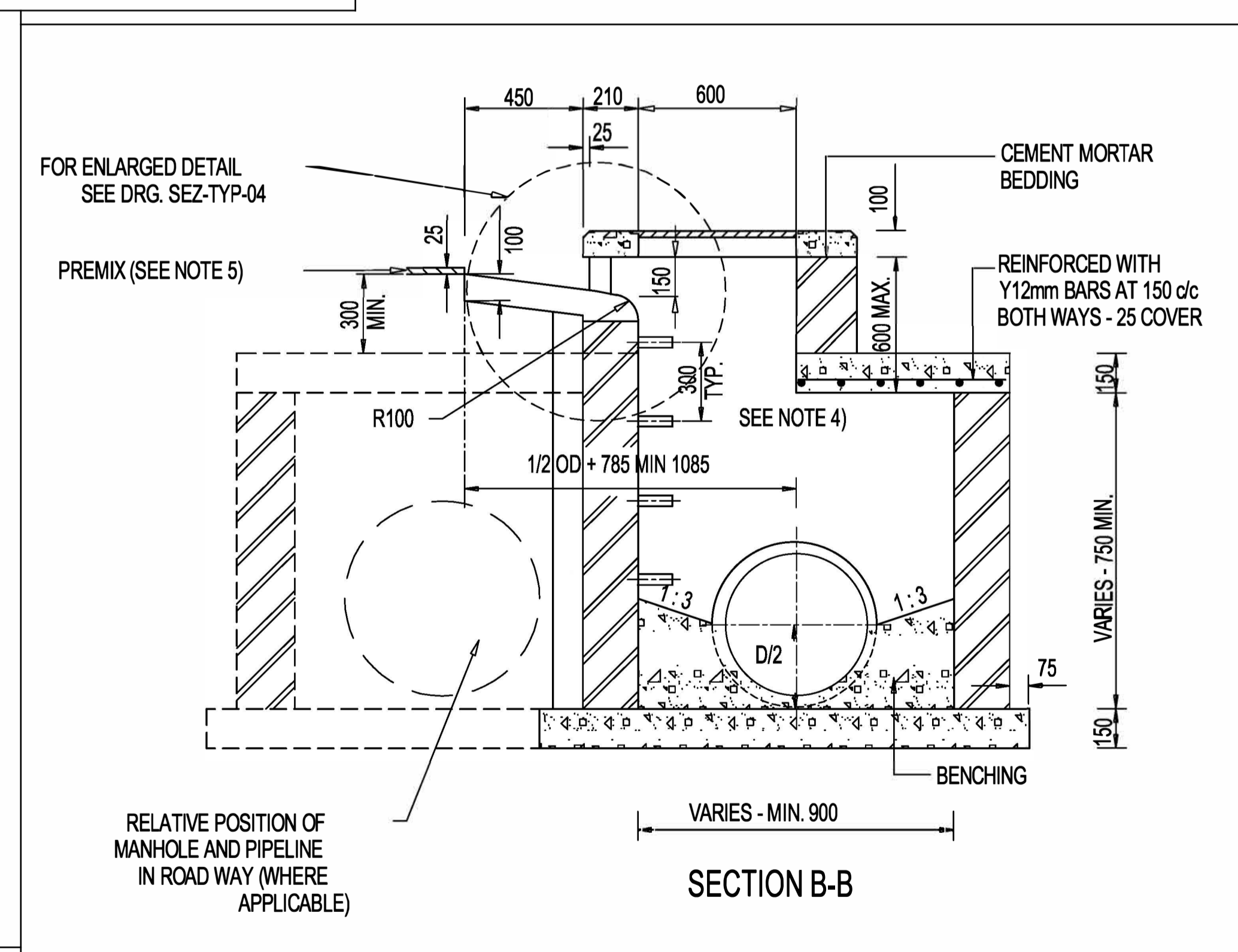
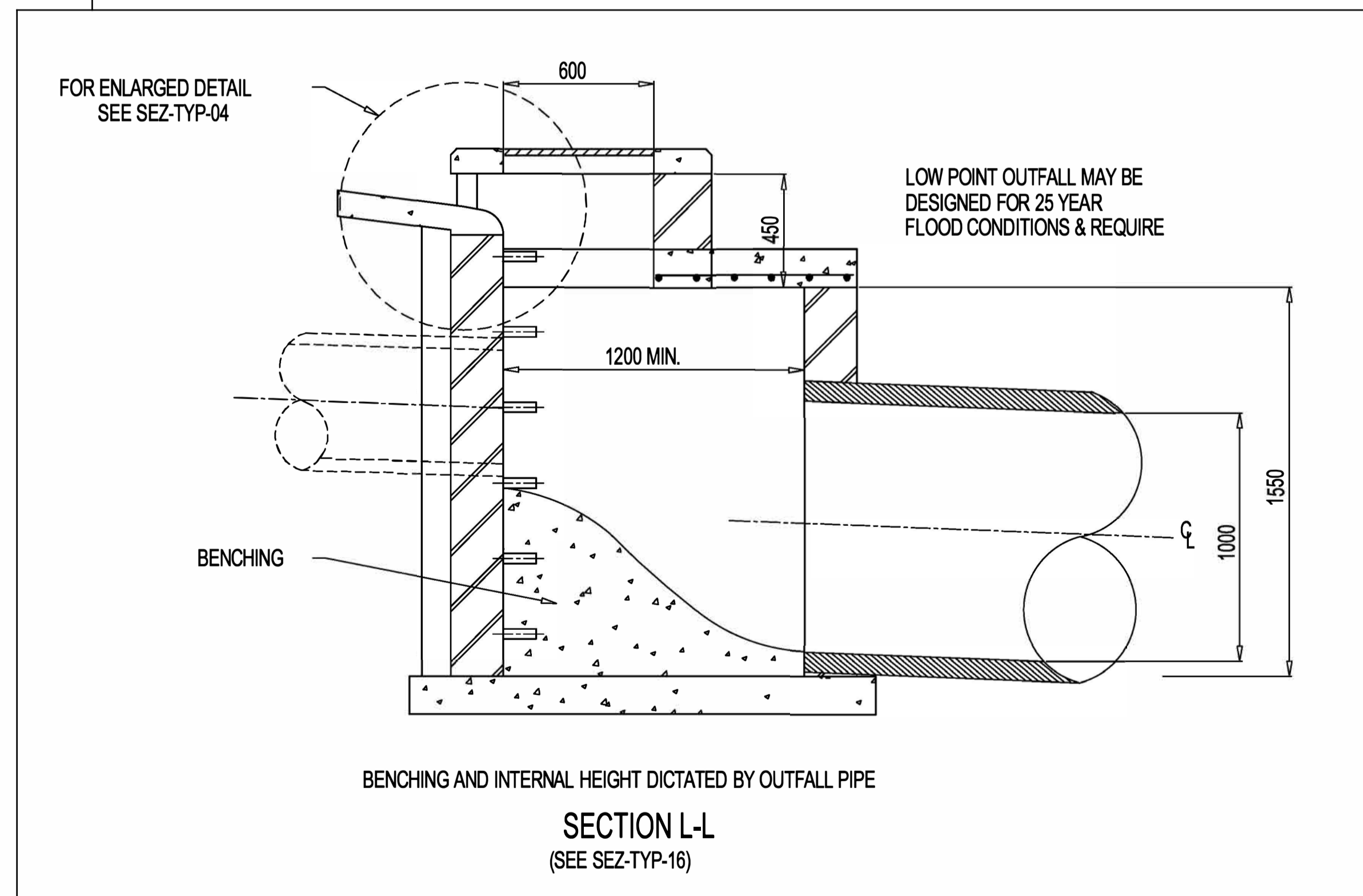




 <p>CLIENT: 19 Murray Street Lady Grey 9755 Tel: (051) 603 1449 Email: vanzyll@senqu.gov.za</p>	<p>CONSULTANT:</p> <p>THEWO & SMMS - JV</p>   <p>58 Breiner Road Westdene Bloemfontein 9301 Tel: +27 (051) 430 1321 Email: pmo@thewo.co.za</p>	<p>PROFESSIONAL ENGINEER:</p> <p>M. CUKU PROF. Reg.No: 2025302631 DATE: _____ SIGNATURE: _____</p>	<p>DESIGN BY:</p> <p>D.RWAZEMBA DRAWN BY: D.RWAZEMBA CHECKED BY: M. CUKU APPROVED BY: M. CUKU</p>	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	REV	DATE	DESCRIPTION	BY																	<p>PROJECT NAME</p> <p>THE CONSTRUCTION OF 6KM PAVED ROADS WITH STORMWATER CONTROL IN NEW REST (WARD 8 - PHASE1)</p> <p>TITLE</p> <p>KERB INLET TYPES</p>	<p>PROJECT STATUS:</p> <p>TENDER</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>SCALE</th> <th>SHEET</th> <th>REV</th> <th> </th> </tr> </thead> <tbody> <tr> <td>2026-05-18</td> <td>N.T.S</td> <td>1 OF 1</td> <td>A</td> <td>A1</td> </tr> </tbody> </table> <p>DWG NO</p> <p>P-SM01-PMO-CE-M-102</p>	DATE	SCALE	SHEET	REV		2026-05-18	N.T.S	1 OF 1	A	A1
				REV	DATE	DESCRIPTION	BY																													
DATE	SCALE	SHEET	REV																																	
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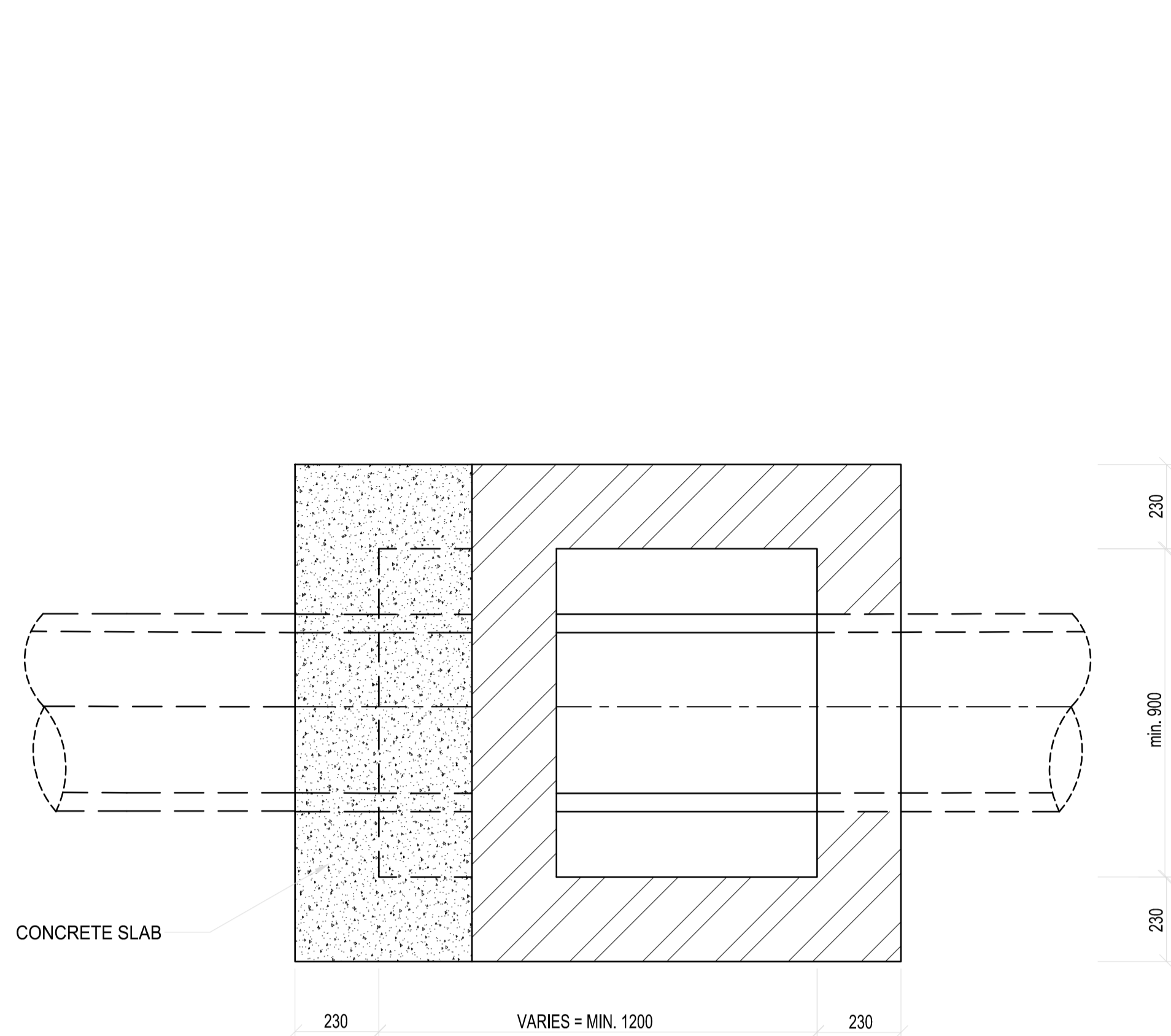


NOTES

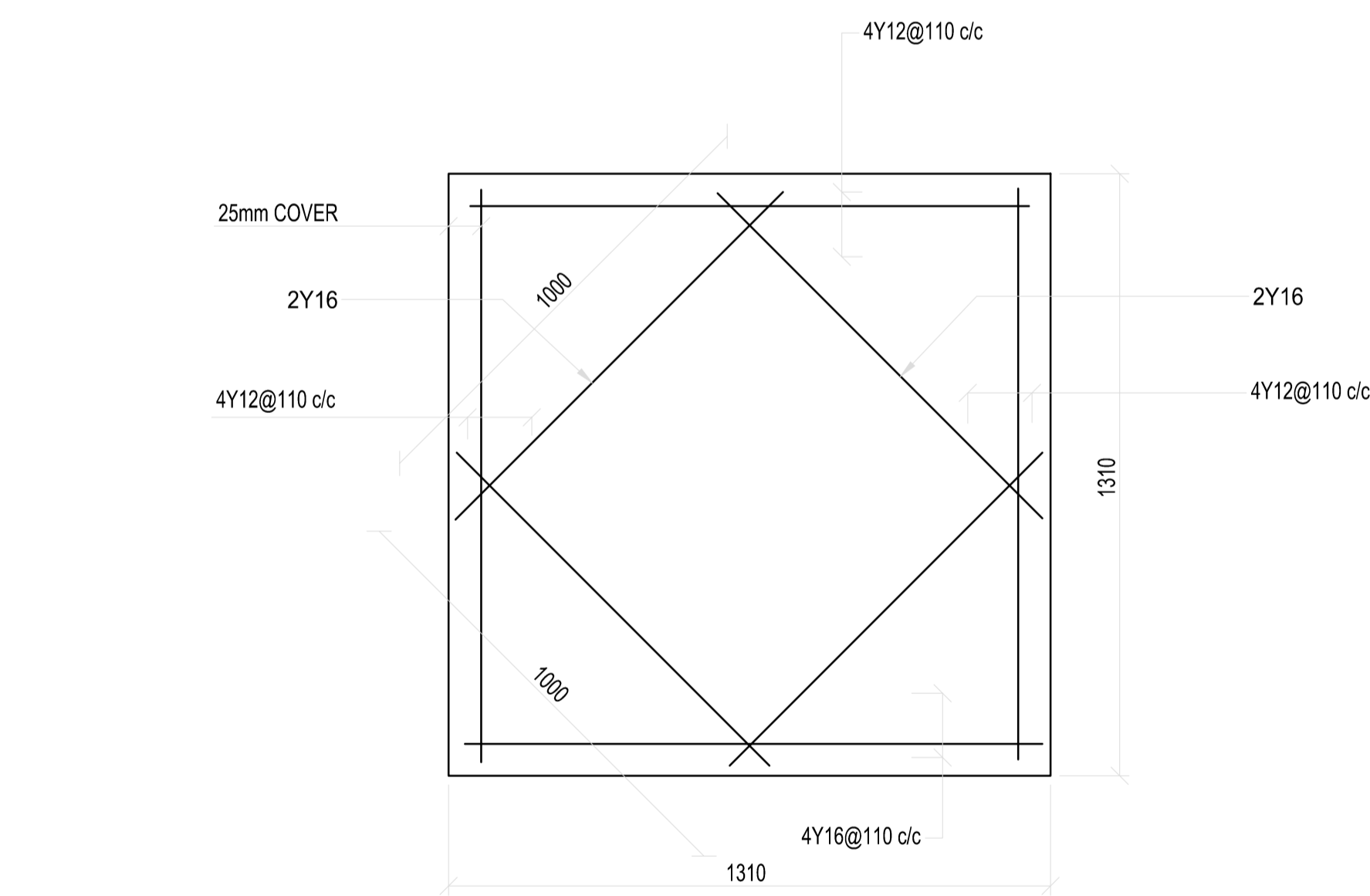
- SEE DRG SEZ-TYP-15 FOR PLAN AND SECTION POSITIONS OF KERB INLET.
- CONCRETE STRENGTH TO BE AS FOLLOWS:
 - MANHOLE SURROUNDS AND BENCHING: CLASS 15/19
 - CAST IN-SITU DECK SLABS & FOUNDATIONS: CLASS 20/19
 - PRECAST COVER SLABS & OTHER ITEMS: CLASS 25/19.
 - CAST IN-SITU KERBS, APRONS ETC: CLASS 25/19
- ALL FLOORS AND BENCHING TO BE STEEL TROWELLED WITH A SMOOTH RADIUS.
- MANHOLE & KERB INLET INTERNAL WIDTHS AND DEPTHS:
 - WIDTH
 - 750mm PIPES AND LESS - 900mm
 - 825mm PIPES AND MORE - 1200mm
 - DEPTH - THE DEPTH INDICATED SHOULD BE INCREASED IF NECESSARY FOR MANHOLES TO PERMIT SUFFICIENT DISCHARGE HEAD TO DEVELOP.
 - MANHOLE DEPTH > 1.75m WIDTH OF BRICKWORK TO BE INCREASED TO 345mm
 - BELOW 3m SPECIAL ENGINEERING DESIGN REQUIRED FOR BRICKWORK
- NO BACKFILL TO BE DONE UNTIL MORTAR IS SEVEN DAYS OLD.
- PROVIDE STEP IRONS WHEN DEPTH > 1,2m
- PIPES AT INLET AND OUTLET TO BE LAID SOFFIT TO SOFFIT.
- SHOULD THERE BE A CHANGE IN PIPE DIAMETER, THE GREATER OF THE TWO SHOULD BE USED TO DETERMINE THE POSITIONING OF THE PIPES.
- ALL ROADWORKS TO COMPLY WITH THA SANS 1200 SPECIFICATIONS.
- ALL BRICKS TO BE OF QUALITY FBSE30 TO SANS 227-2007 WITH WATER ABSORPTION <14% AND EFFLORESCENCE <10.
- ALL BRICKWORK TO BE IN ENGLISH BOND.
- SECTION L-L ILLUSTRATES VARIATIONS TO SECTION B-B REQUIRED AT A LOW POINT KERB INLET.



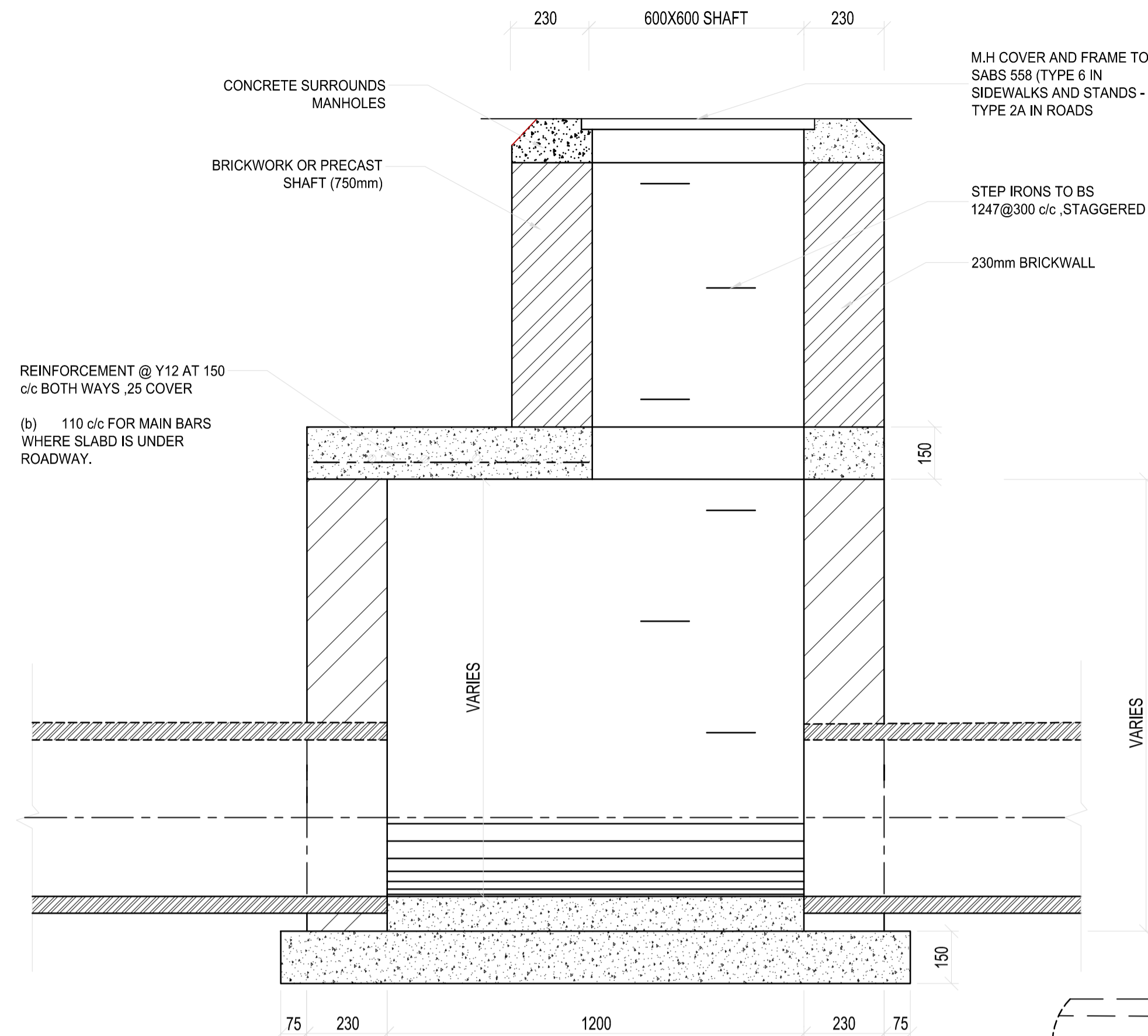
CLIENT:  19 Murrey Street Lady Grey 9795 Tel: (051) 803 1449 Email: vnzylt@senqu.gov.za	CONSULTANT: THEWO & SMMS - JV  58 Brooker Road Westdene Bloemfontein 9301 Tel: +27 (051) 430 1321 Email: pmc@thewo.co.za	PROFESSIONAL ENGINEER: M. CUKU PROF. Reg.No: 2025302631 DATE: SIGNATURE:	DESIGN BY: D.RWAZEMBA DRAWN BY: D.RWAZEMBA CHECKED BY: M. CUKU APPROVED BY: M. CUKU	REVISIONS <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV	DATE	DESCRIPTION	BY					PROJECT NAME THE CONSTRUCTION OF 6KM PAVED ROADS WITH STORMWATER CONTROL IN NEW REST (WARD 8 - PHASE1) TITLE KERB INLET SECTION	PROJECT STATUS: TENDER DATE: 2026-05-18 SCALE: N.T.S SHEET: 1 OF 1 REV: A A1 DWG NO: P-SM01-PMO-CE-M-100
				REV	DATE	DESCRIPTION	BY							



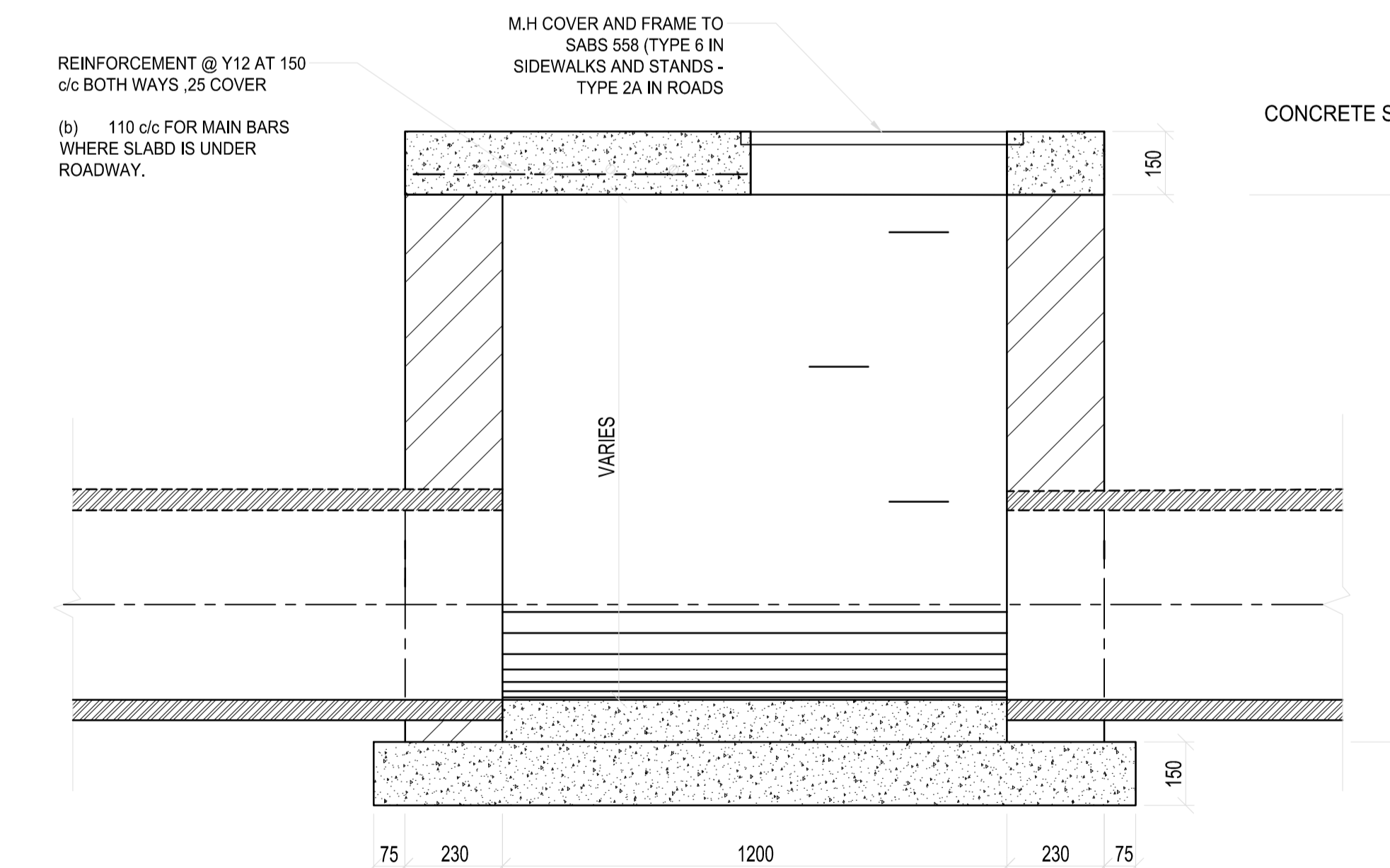
TYPE A SECTIONAL PLAN
SCALE 1:10



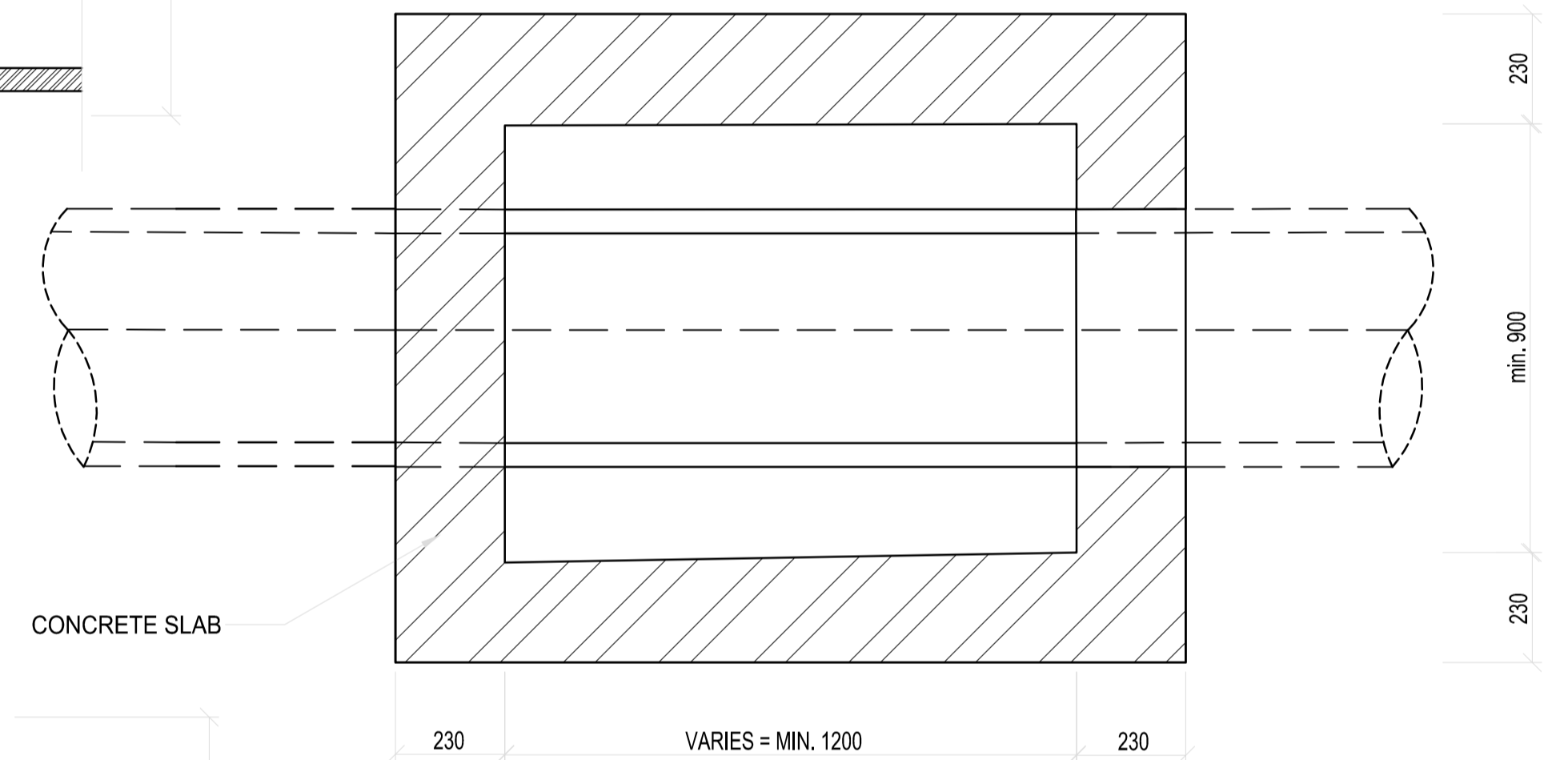
COVER SLAB REINFORCEMENT
SCALE 1:10



TYPE A JUNCTION FOR 1.5m - 2m Depth
SCALE 1:10



TYPE B JUNCTION FOR 0m - 1.5m Depth
SCALE 1:10



TYPE B SECTIONAL PLAN
SCALE 1:10

- NOTES**
- CONCRETE STRENGTH TO BE AS FOLLOWS:
 - MANHOLE SURROUNDS AND BENCHING: CLASS 15/19
 - CAST IN-SITU DECK SLABS & FOUNDATION: CLASS 20/19
 - PRECAST COVER SLABS & OTHER ITEMS: CLASS 25/19
 - CAST IN-SITU KERBS, APRONS ETC.: CLASS 25/19
 - ALL FLOORS AND BENCHING TO BE STEEL TROWELLED WITH A SMOOTH RADIUS
 - ALL BRICKS TO BE OF QUALITY FBSE30 TO SANS 227-1986 WITH WATER ABSORPTION <14% AND EFFLORESCENCE < 10.1
 - ALL BRICKWORK TO BE IN ENGLISH BOND.
 - MANHOLE & KERB INLET WIDTHS AND DEPTHS:
 - WIDTH-750mm PIPES AND LESS - 900mm
 - 825mm PIPES AND MORE - 1200mm
 - SOME JUNCTION MANHOLE SIZES TO BE DETERMINED ON SITE
 - SOME JUNCTION MANHOLE SIZES TO BE DETERMINED ON SITE
 - DEPTH - THE DEPTH INDICATED SHOULD BE INCREASED IF NECESSARY FOR MANHOLES TO PERMIT SUFFICIENT DISCHARGED HEAD TO DEVELOP
 - MANHOLE DEPTH > 1.75m, WIDTH OF BRICKWORK TO BE INCREASED TO 330mm.

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SIGNATURE:

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D. RWAZEMBA
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APPROVED BY:

REVISIONS			
REV	DATE	DESCRIPTION	BY

PROJECT NAME:

THE CONSTRUCTION OF 6KM PAVED ROADS WITH STORMWATER CONTROL IN NEW REST (WARD 8 - PHASE1)

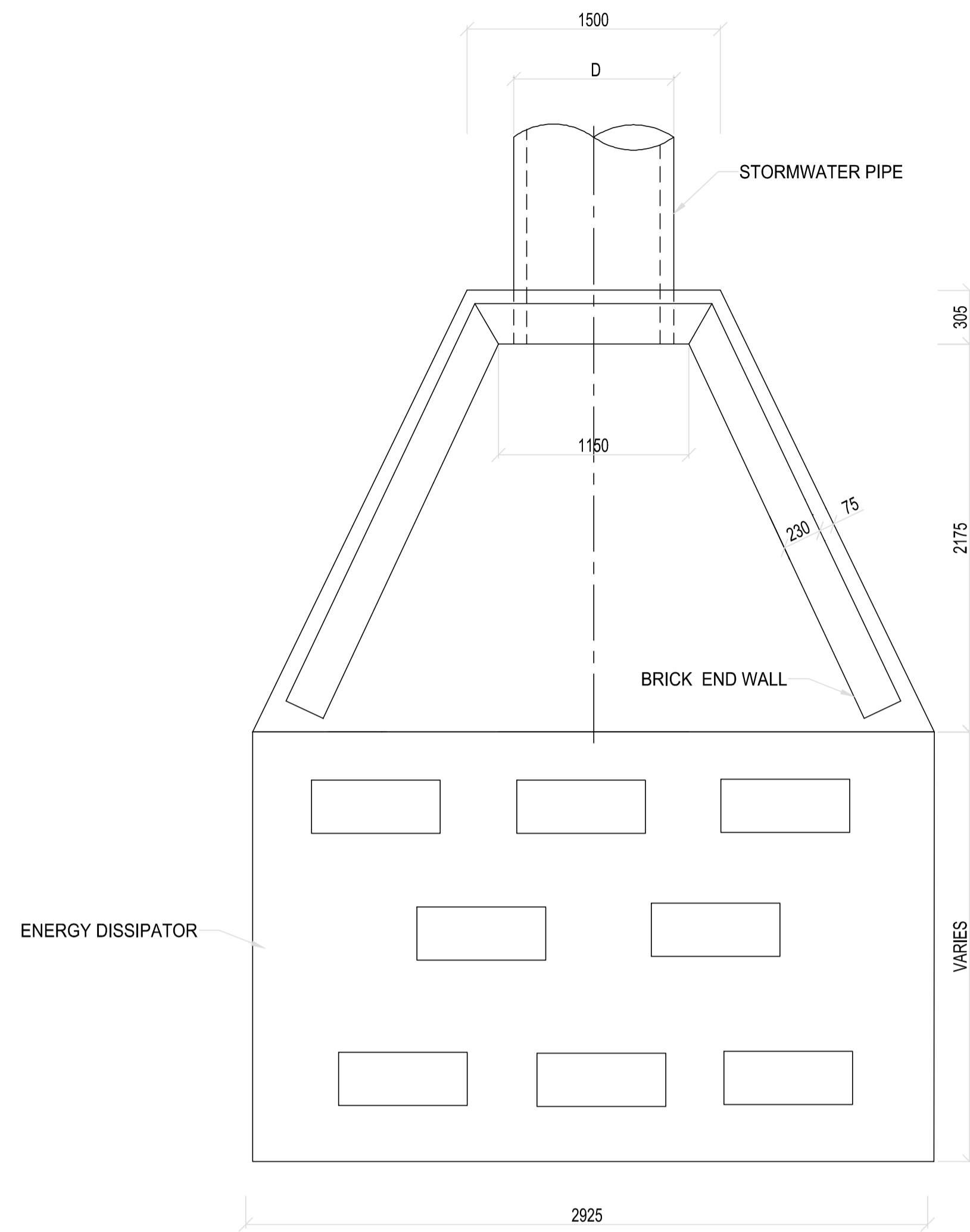
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JUNCTION BOX DETAIL

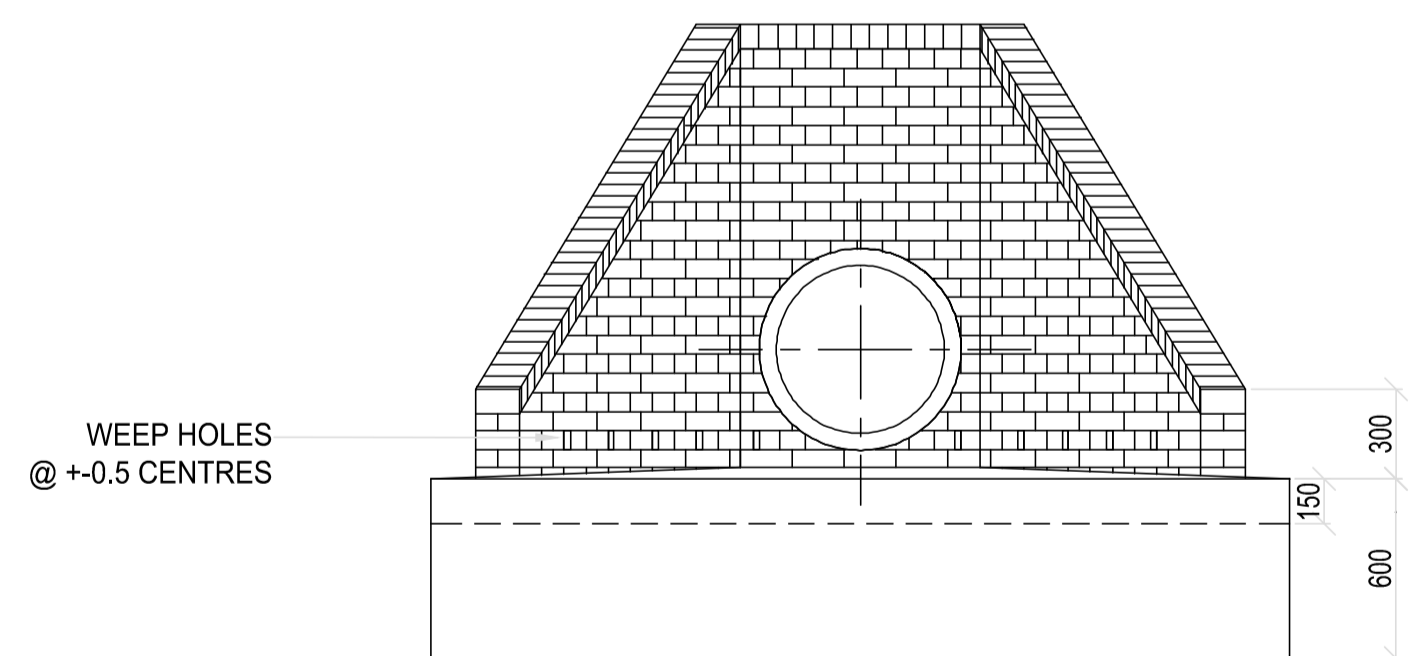
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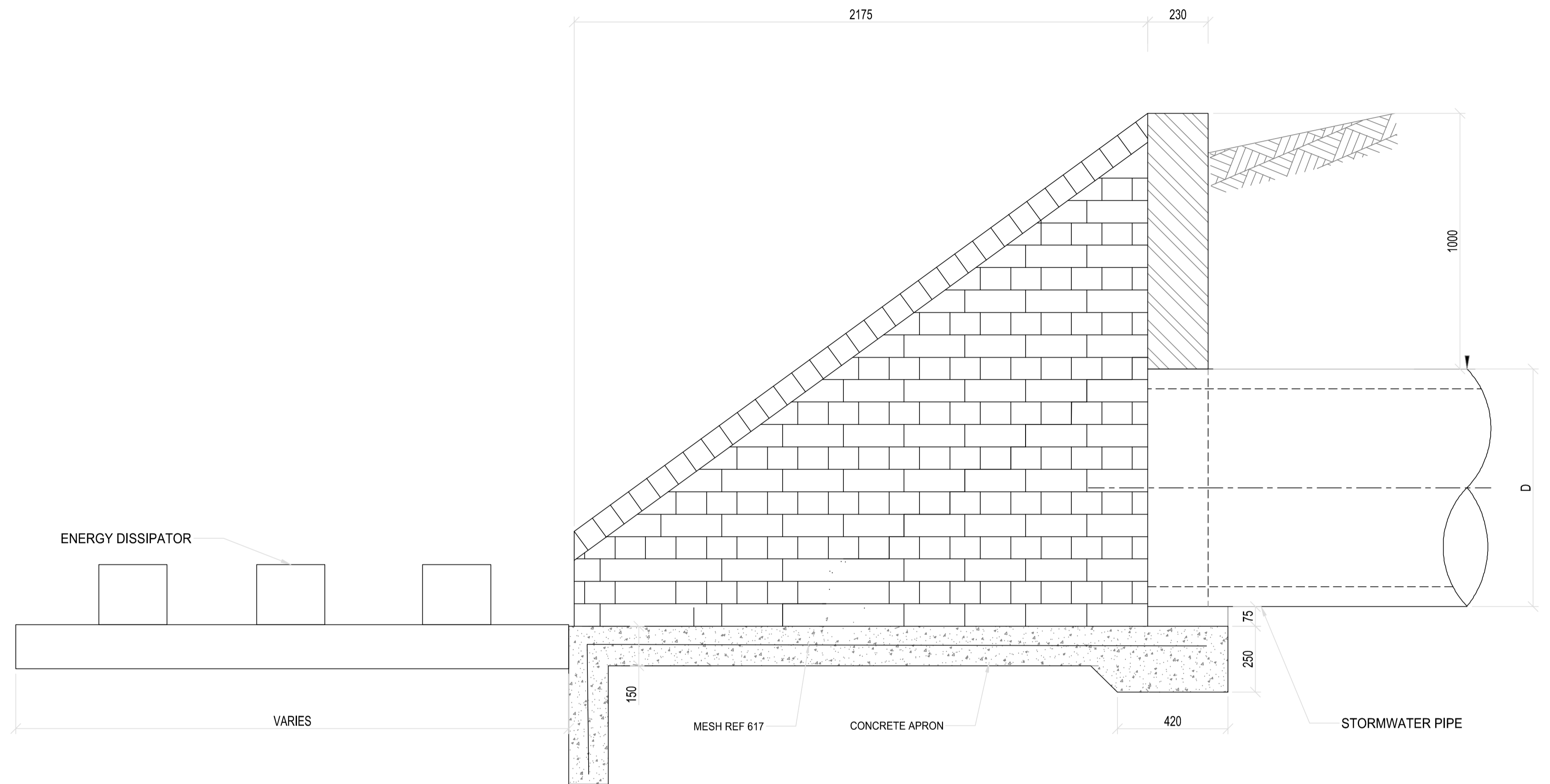
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2026-05-18	N.T.S	1 OF 1	A	A1
DWG NO		P-SM01-PMO-CE-M-106		



OUTLET PLAN
SCALE 1:25



FRONT ELEVATION
SCALE 1:25



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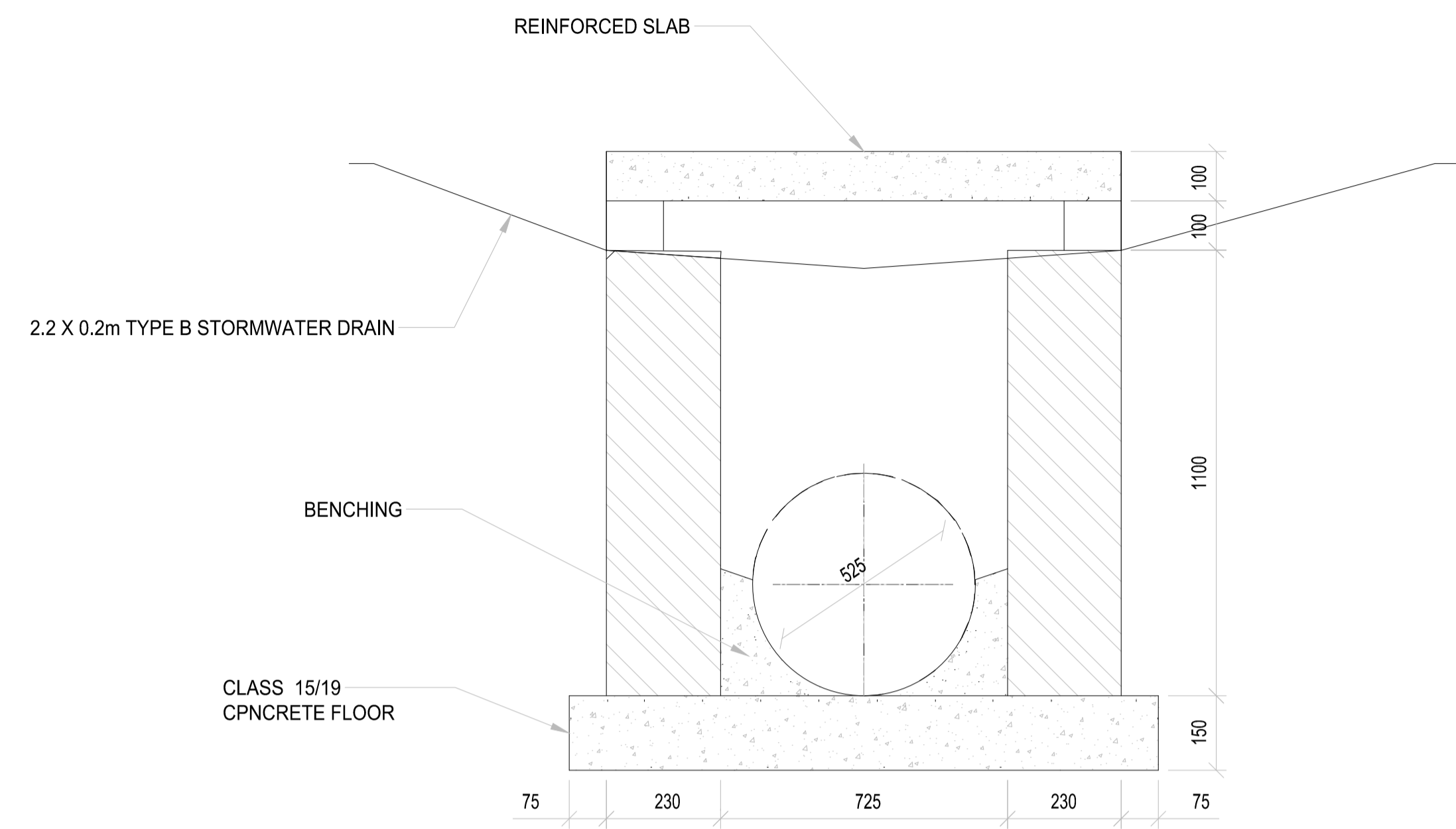
TITLE

HEADWALL OR OUTLET DETAIL

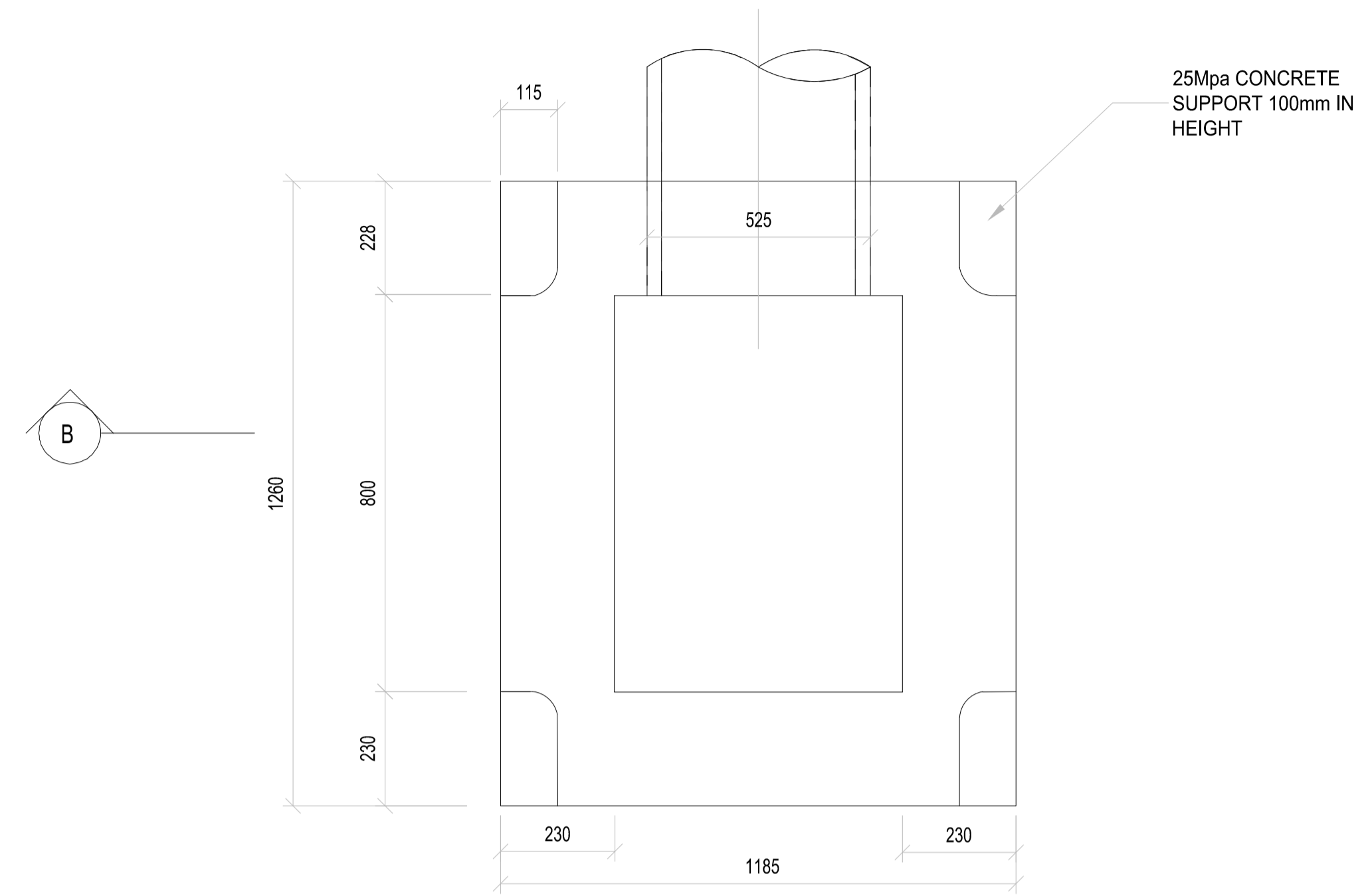
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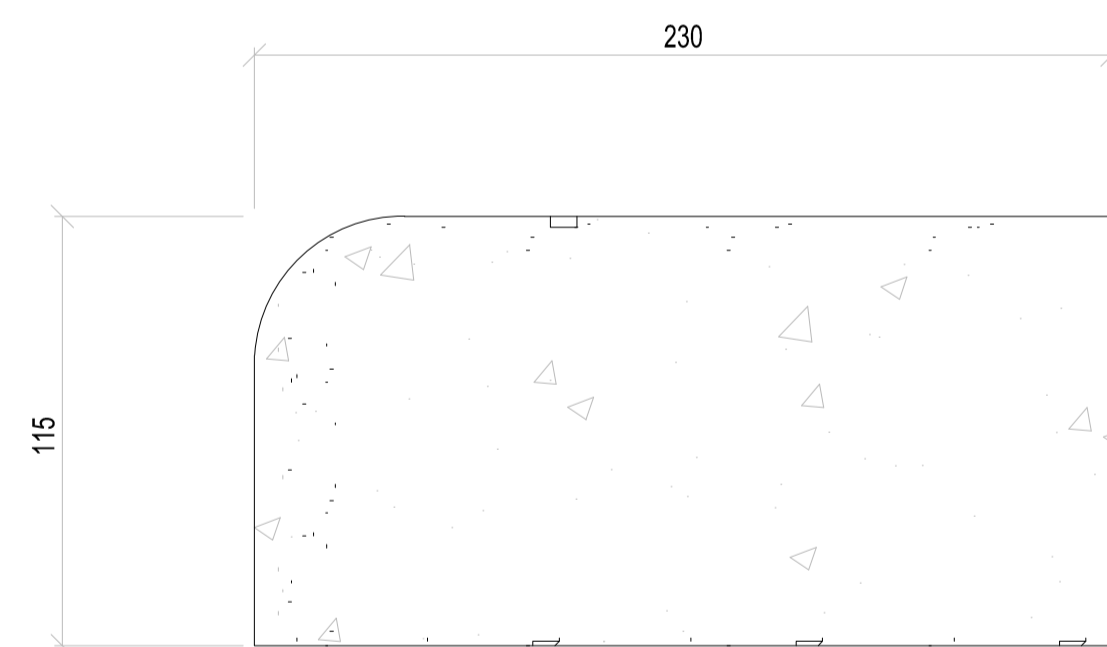
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DWG NO		P-SM01-PMO-CE-M-107		



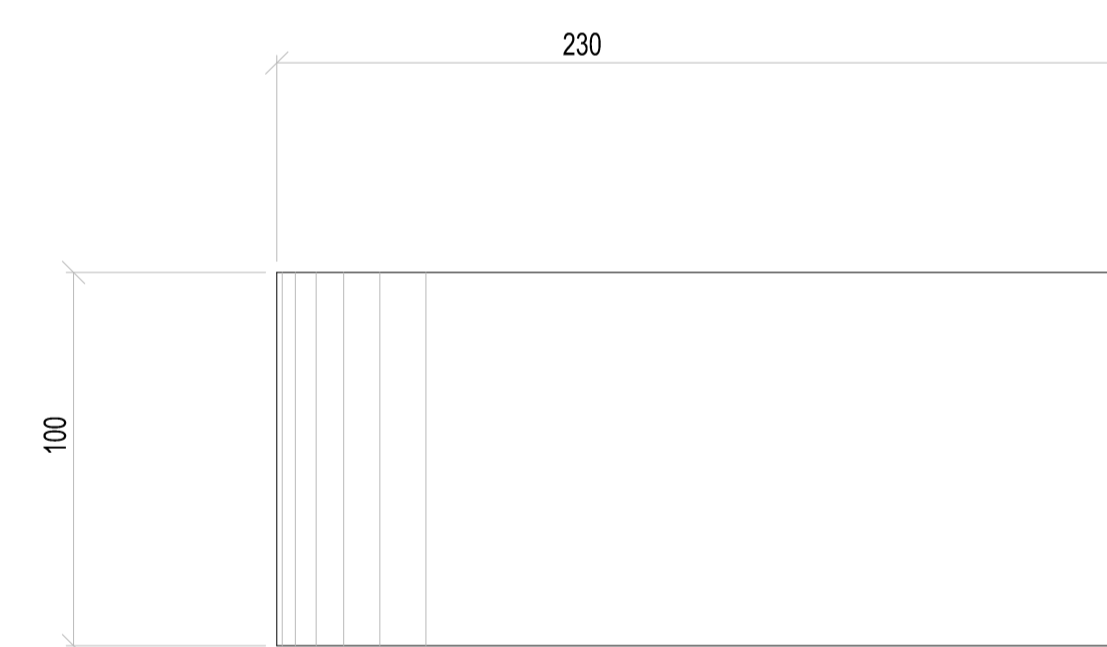
SECTION B-B
SCALE 1:10



FIELD INLET PLAN
SCALE 1:10



PLAN :SECTIONS OF SUPPORT
SCALE 1:2



ELEVATION :SECTIONS OF SUPPORT
SCALE 1:2


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DESIGN BY:

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M. CUKU

REVISIONS			
REV	DATE	DESCRIPTION	BY

PROJECT NAME

THE CONSTRUCTION OF 6KM PAVED ROADS WITH STORMWATER CONTROL IN NEW REST (WARD 8 - PHASE1)

TITLE

FIELD INLET DETAIL

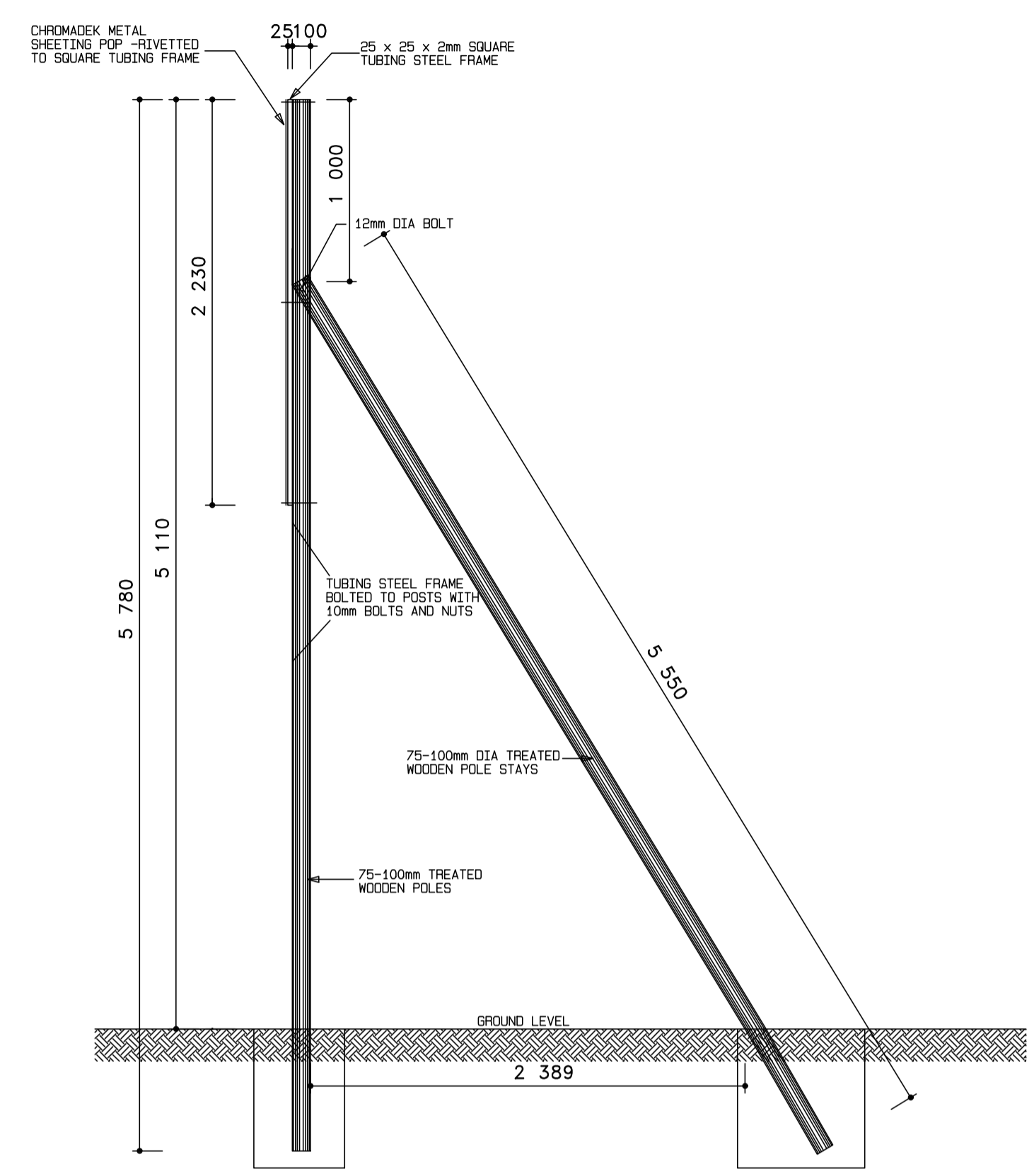
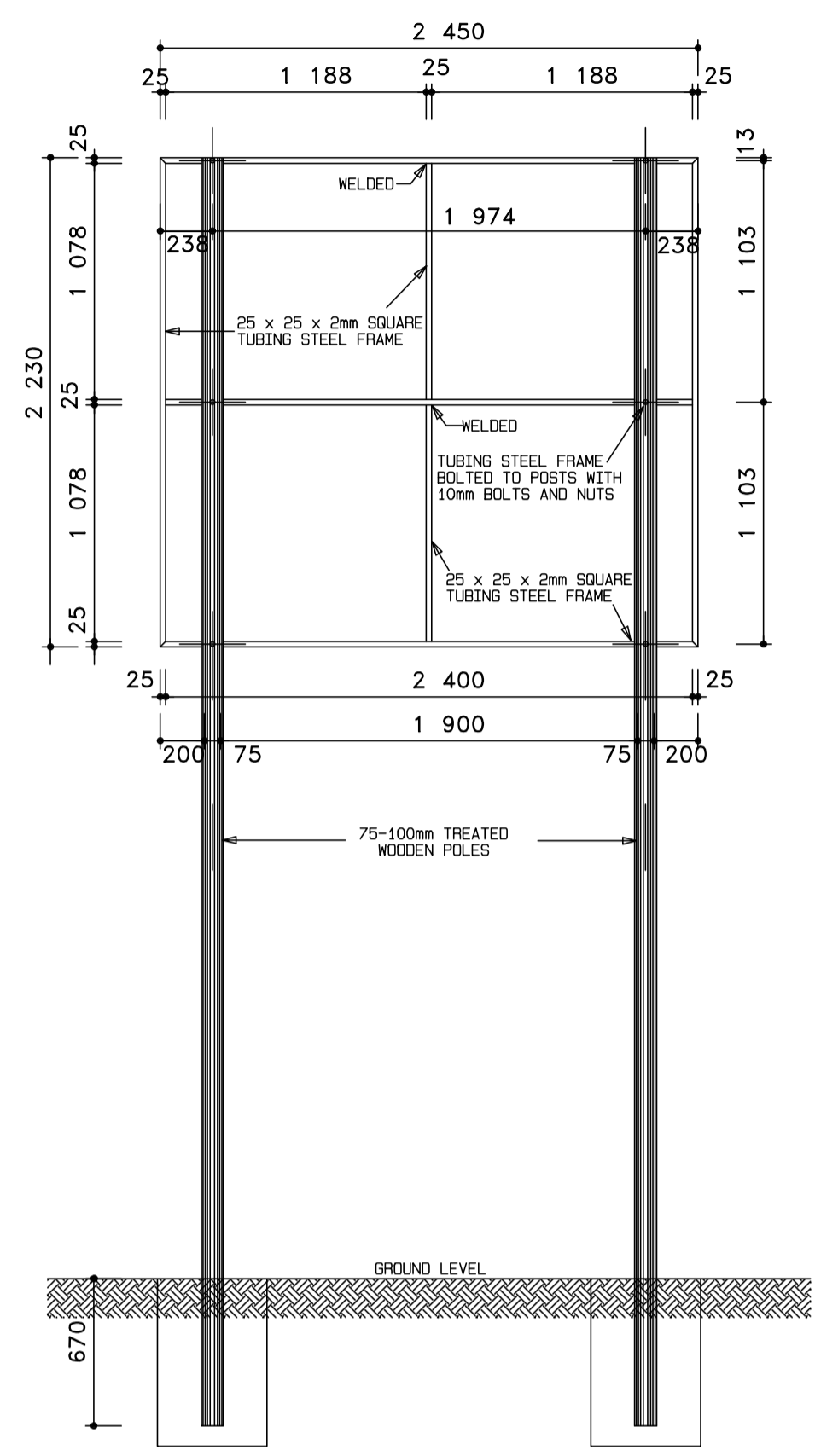
PROJECT STATUS:

TENDER

DATE	SCALE	SHEET	REV	A1
2026-05-18	N.T.S	1 OF 1	A	A1

DWG NO

P-SM01-PMO-CE-M-101



BACK ELEVATION

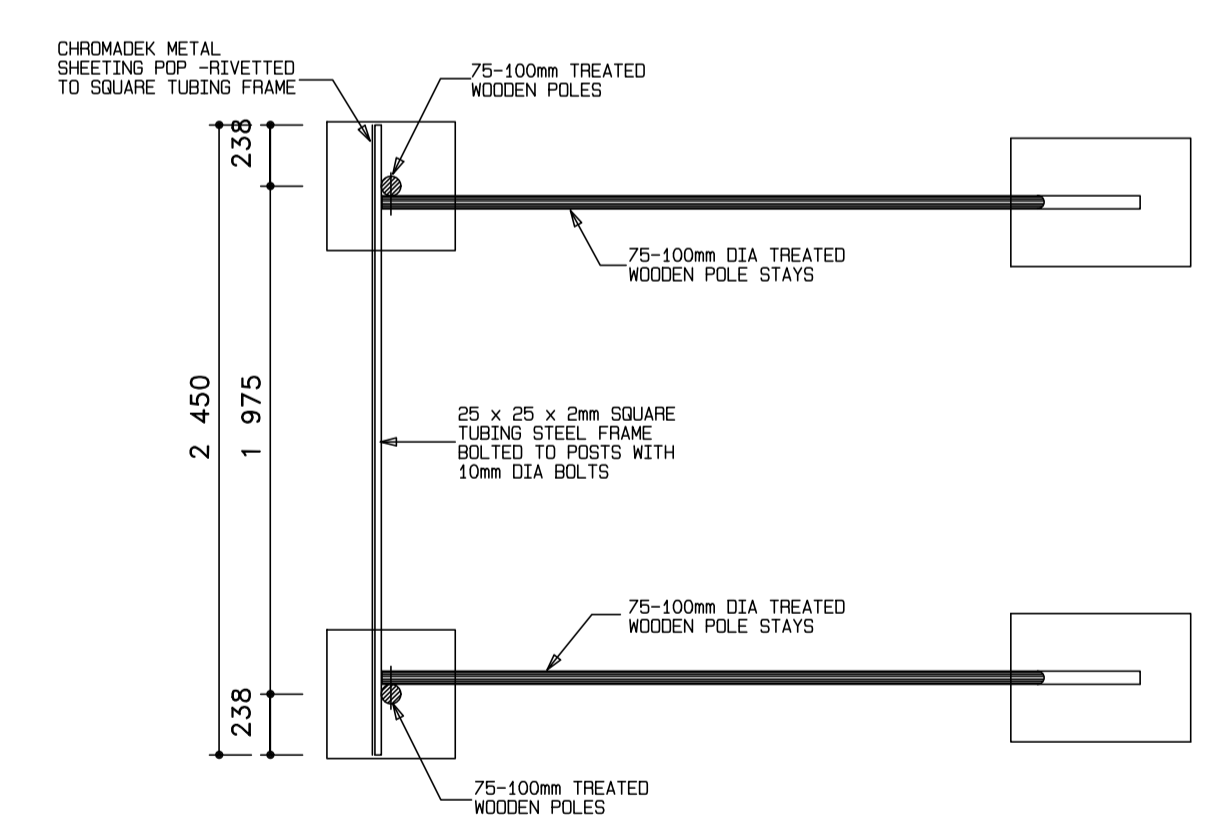
SIDE ELEVATION

CHROMADEX METAL SHEETING (RUST RESISTANT METAL)
SPRAY PAINTED TO THE CUSTOMER'S SPECIFICATIONS WITH AUTOMOTIVE QUALITY DUCO PAINT

WORDING
HIGH PERFORMANCE 5 TO 7 YEAR OUTDOOR QUALITY VINYL

LOGO'S
UV RESISTANT FULL COLOUR THERMAL PRINT ONTO A HIGH PERFORMANCE OUTDOOR GRADE VINYL SUBSTRATE
OR
HIGH PERFORMANCE 5 TO 7 YEAR OUTDOOR QUALITY VINYL APPLICATED DIRECTLY TO THE PREPARED CHROMADEX (IF LOGO CONSISTS OF FLAT COLOURS)

NOTE :
THE BOARD MUST BE ERECTED AT THE ENTRANCE TO THE EXTENTION (TOWN)
THE BOARD MUST REMAIN UNTIL THE END OF THE RETENTION PERIOD



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Sigodi Marah Martin
Management Support
Professional Engineering Consultants

PROFESSIONAL ENGINEER:

M. CUKU
PROF. Reg No:
2025302631
DATE:
SIGNATURE:

DESIGN BY:

D. RWAZEMBA
DRAWN BY:
D. RWAZEMBA
CHECKED BY:
M. CUKU
APPROVED BY:
M. CUKU

REVISIONS				
REV	DATE	DESCRIPTION	BY	

PROJECT NAME

THE CONSTRUCTION OF 6KM PAVED ROADS WITH STORMWATER CONTROL IN NEW REST (WARD 8 - PHASE 1)

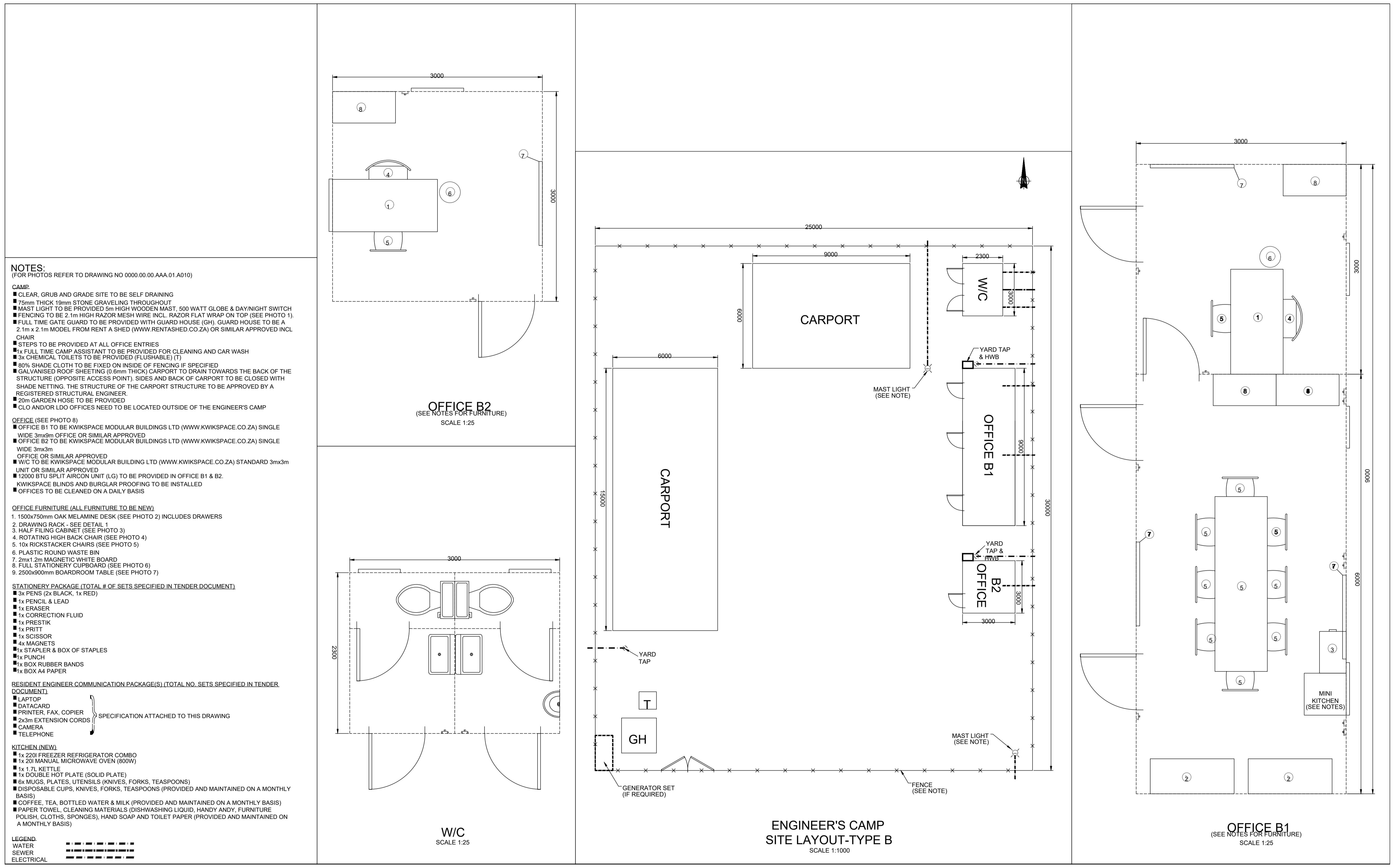
TITLE

NAME BOARD

PROJECT STATUS:

TENDER

DATE	SCALE	SHEET	REV	
2026-05-18	N.T.S	1 OF 1	A	A1
DWG NO				
P-SM01-PMO-CE-S-NB01				



NOTES:
(FOR PHOTOS REFER TO DRAWING NO 0000.00.00.AAA.01.A010)

CAMP

- CLEAR, GRUB AND GRADE SITE TO BE SELF DRAINING
- 5mm THICK 19mm STONE GRAVELING THROUGHOUT
- MAST LIGHT TO BE PROVIDED 5m HIGH WOODEN MAST, 500 WATT GLOBE & DAY/NIGHT SWITCH
- FENCING TO BE 2.1m HIGH RAZOR MESH WIRE INCL. RAZOR FLAT WRAP ON TOP (SEE PHOTO 1)
- FULL TIME GATE GUARD TO BE PROVIDED WITH GUARD HOUSE (GH). GUARD HOUSE TO BE A 2.1m x 2.1m MODEL FROM RENT A SHED (WWW.RENTASHED.CO.ZA) OR SIMILAR APPROVED INCL. CHAIR
- STEPS TO BE PROVIDED AT ALL OFFICE ENTRIES
- 1x FULL TIME CAMP ASSISTANT TO BE PROVIDED FOR CLEANING AND CAR WASH
- 3x CHEMICAL TOILETS TO BE PROVIDED (FLUSHABLE) (T)
- 80% SHADE CLOTH TO BE FIXED ON INSIDE OF FENCING IF SPECIFIED
- GALVANISED ROOF SHEETING (0.6mm THICK) CARPORT TO DRAIN TOWARDS THE BACK OF THE STRUCTURE (OPPOSITE ACCESS POINT). SIDES AND BACK OF CARPORT TO BE CLOSED WITH SHADE NETTING. THE STRUCTURE OF THE CARPORT STRUCTURE TO BE APPROVED BY A REGISTERED STRUCTURAL ENGINEER.
- 20m GARDEN HOSE TO BE PROVIDED
- CLO AND/OR LDO OFFICES NEED TO BE LOCATED OUTSIDE OF THE ENGINEER'S CAMP

OFFICE (SEE PHOTO 8)

- OFFICE B1 TO BE KWIKSPACE MODULAR BUILDINGS LTD (WWW.KWIKSPACE.CO.ZA) SINGLE WIDE 3mx3m OFFICE OR SIMILAR APPROVED
- OFFICE B2 TO BE KWIKSPACE MODULAR BUILDINGS LTD (WWW.KWIKSPACE.CO.ZA) SINGLE WIDE 3mx3m OFFICE OR SIMILAR APPROVED
- W/C TO BE KWIKSPACE MODULAR BUILDING LTD (WWW.KWIKSPACE.CO.ZA) STANDARD 3mx3m UNIT OR SIMILAR APPROVED
- 12000 BTU SPLIT AIRCON UNIT (LG) TO BE PROVIDED IN OFFICE B1 & B2.
- KWIKSPACE BLINDS AND BURGLAR PROOFING TO BE INSTALLED
- OFFICES TO BE CLEANED ON A DAILY BASIS

OFFICE FURNITURE (ALL FURNITURE TO BE NEW)

1. 1500x750mm OAK MELAMINE DESK (SEE PHOTO 2) INCLUDES DRAWERS
2. DRAWING RACK - SEE DETAIL 1
3. HALF FILING CABINET (SEE PHOTO 3)
4. ROTATING HIGH BACK CHAIR (SEE PHOTO 4)
5. 10x RICKSTACKER CHAIRS (SEE PHOTO 5)
6. PLASTIC ROUND WASTE BIN
7. 2m x 1.2m MAGNETIC WHITE BOARD
8. FULL STATIONERY CUPBOARD (SEE PHOTO 6)
9. 2500x900mm BOARDROOM TABLE (SEE PHOTO 7)

STATIONERY PACKAGE (TOTAL # OF SETS SPECIFIED IN TENDER DOCUMENT)

- 3x PENS (2x BLACK, 1x RED)
- 1x PENCIL & LEAD
- 1x ERASER
- 1x CORRECTION FLUID
- 1x PRESTIK
- 1x PRIT
- 1x SCISSOR
- 4x MAGNETS
- 1x STAPLER & BOX OF STAPLES
- 1x PUNCH
- 1x BOX RUBBER BANDS
- 1x BOX A4 PAPER

RESIDENT ENGINEER COMMUNICATION PACKAGE(S) (TOTAL NO. SETS SPECIFIED IN TENDER DOCUMENT)

- LAPTOP
- DATACARD
- PRINTER, FAX, COPIER
- 2x3m EXTENSION CORDS
- CAMERA
- TELEPHONE

KITCHEN (NEW)

- 1x 220L FREEZER REFRIGERATOR COMBO
- 1x 20L MANUAL MICROWAVE OVEN (800W)
- 1x 1.7L KETTLE
- 1x DOUBLE HOT PLATE (SOLID PLATE)
- 6x MUGS, PLATES, UTENSILS (KNIVES, FORKS, TEASPOONS)
- DISPOSABLE CUPS, KNIVES, FORKS, TEASPOONS (PROVIDED AND MAINTAINED ON A MONTHLY BASIS)
- COFFEE, TEA, BOTTLED WATER & MILK (PROVIDED AND MAINTAINED ON A MONTHLY BASIS)
- PAPER TOWEL, CLEANING MATERIALS (DISHWASHING LIQUID, HANDY ANDY, FURNITURE POLISH, CLOTHS, SPONGES), HAND SOAP AND TOILET PAPER (PROVIDED AND MAINTAINED ON A MONTHLY BASIS)

LEGEND

WATER: - - - - -

SEWER: - - - - -

ELECTRICAL: - - - - -



PHOTO 1 MOBILE TOILET



PHOTO 2 DESK



PHOTO 3 FILING CABINET



PHOTO 4 ROTATING HIGH BACK CHAIR



PHOTO 8 C1 PARK HOME



PHOTO 7 BOARDROOM TABLE



PHOTO 6 STATIONARY CUPBOARD



PHOTO 5 RICKSTACKER CHAIR

CLIENT:



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OFFICE FURNITURE

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