

DRAWING LIST:

GP05-24-ACSA-200-1 COVER

ROADS AND STORMWATER:

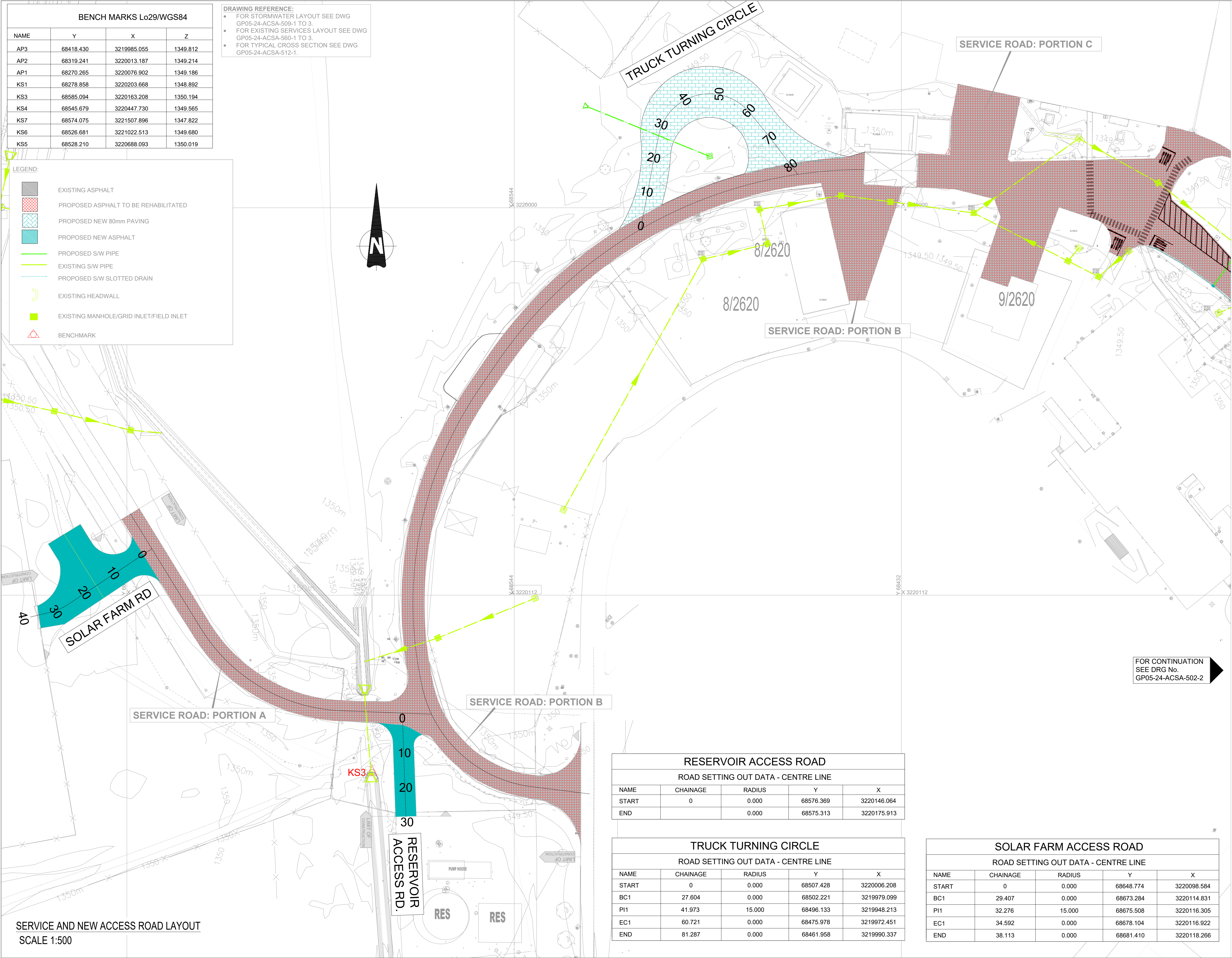
GP05-24-ACSA-502-1	LAYOUT
GP05-24-ACSA-502-2	LAYOUT
GP05-24-ACSA-502-3	LAYOUT
GP05-24-ACSA-505-1	ROAD LONGITUDINAL SECTION
GP05-24-ACSA-505-2	ROAD LONGITUDINAL SECTION
GP05-24-ACSA-509-1	STORMWATER LAYOUT
GP05-24-ACSA-509-2	STORMWATER LAYOUT
GP05-24-ACSA-509-3	STORMWATER LAYOUT
GP05-24-ACSA-510-1	STORMWATER LONGITUDINAL SECTION
GP05-24-ACSA-512-1	TYPICAL CROSS SECTION
GP05-24-ACSA-513-1	PAVEMENT DESIGN
GP05-24-ACSA-518-1	ROAD CROSS SECTION
GP05-24-ACSA-518-2	ROAD CROSS SECTION
GP05-24-ACSA-518-3	ROAD CROSS SECTION
GP05-24-ACSA-560-1	EXISTING SERVICES LAYOUT
GP05-24-ACSA-560-2	EXISTING SERVICES LAYOUT
GP05-24-ACSA-560-3	EXISTING SERVICES LAYOUT
GP05-24-ACSA-580-1	STORMWATER DETAILS
GP05-24-ACSA-580-2	STORMWATER DETAILS
GP05-24-ACSA-580-3	STORMWATER DETAILS
GP05-24-ACSA-580-4	CONTRACT NAMEBOARD

FIRE AND DOMESTIC LAYOUT:

202505001F/WS-01	PROPOSED FIRE & DOMESTIC WATER SUPPLY RETICULATION
202505001F/WS-02	PROPOSED FIRE & DOMESTIC WATER SUPPLY RETICULATION



Figure 1: Locality Map



- GENERAL NOTES:
- DRAWINGS MUST NOT BE SCALED.
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL PROJECT SPECIFICATIONS.
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 - ALL BENCHMARKS TO BE CONFIRMED ON SITE.

REVISION INFORMATION

No.	DATE	DESCRIPTION:	BY
F1	16-04-2026	ISSUED FOR TENDER	

CLIENT



CONSULTANT



Midridge Office Estate North
International Business Gateway Park
Corner of New and 6th Roads
PO Box 8587
Midrand, 1685
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www.amce.co.za

PROJECT DESCRIPTION
ENGINEERING SERVICES FOR THE UNDERGROUND MAIN WATER LINE AND SERVICE ROADS PROJECT FOR A PERIOD AT BRAM FISCHER INTERNATIONAL AIRPORT

DISCIPLINE
ROADS & TRANSPORT

DRAWING DESCRIPTION

LAYOUT PLAN
SHEET 1 OF 3

DESIGNED BY: M. MTHETHWA	SIGNATURE AND DATE: 16-04-2026
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
PROJECT NO: 7089	DATE 16-04-2026

DRAWING NO
GP05-24-ACSA-502-1

SCALE	SHEET SIZE	REVISION
1:500	A1	F1



LEGEND:

- EXISTING ASPHALT
- PROPOSED ASPHALT TO BE REHABILITATED
- PROPOSED NEW 80mm PAVING
- PROPOSED NEW ASPHALT
- PROPOSED SW PIPE
- EXISTING SW PIPE
- PROPOSED SW SLOTTED DRAIN
- EXISTING HEADWALL
- EXISTING MANHOLE/GRID INLET/FIELD INLET
- BENCHMARK

TRUCK TURNING CIRCLE				
ROAD SETTING OUT DATA - CENTRE LINE				
NAME	CHAINAGE	RADIUS	Y	X
START	0	0.000	68507.428	3220006.208
BC1	27.604	0.000	68502.221	3219979.099
PI1	41.973	15.000	68496.133	3219948.213
EC1	60.721	0.000	68475.978	3219972.451
END	81.287	0.000	68461.958	3219990.337

BENCH MARKS Lo29/WGS84			
NAME	Y	X	Z
AP3	68418.430	3219985.055	1349.812
AP2	68319.241	3220013.187	1349.214
AP1	68270.265	3220076.902	1349.186
KS1	68278.858	3220203.668	1348.892
KS3	68585.094	3220163.208	1350.194
KS4	68545.679	3220447.730	1349.565
KS7	68574.075	3221507.896	1347.822
KS6	68526.681	3221022.513	1349.680
KS5	68528.210	3220688.093	1350.019

DRAWING REFERENCE:

- FOR STORMWATER LAYOUT SEE DWG GP05-24-ACSA-509-1 TO 3.
- FOR EXISTING SERVICES LAYOUT SEE DWG GP05-24-ACSA-560-1 TO 3.
- FOR TYPICAL CROSS SECTION SEE DWG GP05-24-ACSA-512-1.

SERVICE AND NEW ACCESS ROAD LAYOUT
SCALE 1:500

FOR CONTINUATION
SEE DRG No.
GP05-24-ACSA-502-3

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PROJECT DESCRIPTION
ENGINEERING SERVICES FOR THE UNDERGROUND MAIN
WATER LINE AND SERVICE ROADS PROJECT FOR A PERIOD
AT BRAM FISCHER INTERNATIONAL AIRPORT

DISCIPLINE
ROADS & TRANSPORT

DRAWING DESCRIPTION

LAYOUT PLAN
SHEET 2 OF 3

DESIGNED BY: M. MTHETHWA	SIGNATURE AND DATE: 16-04-2026
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
PROJECT NO: 7089	DATE: 16-04-2026

DRAWING NO
GP05-24-ACSA-502-2

SCALE	SHEET SIZE	REVISION
1:500	A1	F1

BENCH MARKS Lo29/WGS84			
NAME	Y	X	Z
AP3	68418.430	3219985.055	1349.812
AP2	68319.241	3220013.187	1349.214
AP1	68270.265	3220076.902	1349.186
KS1	68278.858	3220203.668	1348.892
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KS6	68526.681	3221022.513	1349.680
KS5	68528.210	3220688.093	1350.019



LEGEND:	
	EXISTING ASPHALT
	PROPOSED ASPHALT TO BE REHABILITATED
	PROPOSED NEW 80mm PAVING
	PROPOSED NEW ASPHALT
	PROPOSED S/W PIPE
	EXISTING S/W PIPE
	PROPOSED S/W SLOTTED DRAIN
	EXISTING HEADWALL
	EXISTING MANHOLE/GRID INLET/FIELD INLET
	BENCHMARK

NEW WORKSHOP RD				
ROAD SETTING OUT DATA - CENTRE LINE				
NAME	CHAINAGE	RADIUS	Y	X
START	0	0.000	68337.464	3220312.566
BC1	31.824	0.000	68368.929	3220317.334
PI1	42.087	14.000	68383.195	3220319.496
EC1	48.034	0.000	68384.926	3220305.172
BC2	69.475	0.000	68386.942	3220288.490
PI2	74.625	12.000	68387.608	3220282.981
EC2	79.578	0.000	68384.926	3220305.172
END	82.543	0.000	68383.841	3220278.905

DRAWING REFERENCE:

- FOR STORMWATER LAYOUT SEE DWG GP05-24-ACSA-509-1 TO 3.
- FOR EXISTING SERVICES LAYOUT SEE DWG GP05-24-ACSA-560-1 TO 3.
- FOR TYPICAL CROSS SECTION SEE DWG GP05-24-ACSA-512-1.



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PROJECT DESCRIPTION

DISCIPLINE
ROADS & TRANSPORT

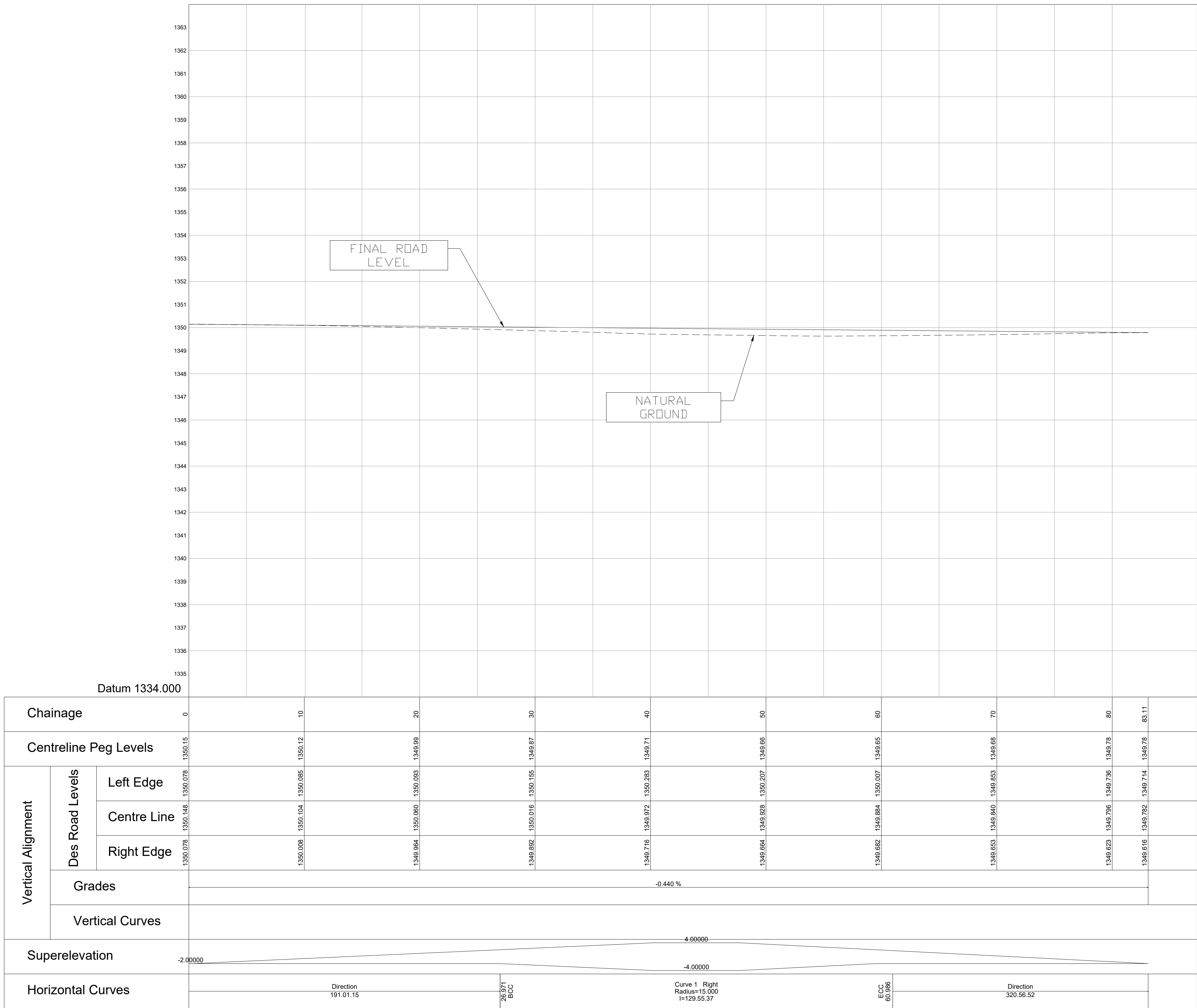
DRAWING DESCRIPTION

LAYOUT PLAN
SHEET 3 OF 3

DESIGNED BY: M. MTHETHWA	SIGNATURE AND DATE: 16-04-2026
CHECKED BY: S. MALAMBO r. Eng.	SIGNATURE AND DATE: 16-04-2026
APPROVED BY: S. MALAMBO r. Eng.	SIGNATURE AND DATE: 16-04-2026
PROJECT NO: 089	DATE 16-04-2026

DRAWING NO
GP05-24-ACSA-502-3

SCALE	SHEET SIZE	REVISION
1:500	A1	F1



Longsection for 0 to 83

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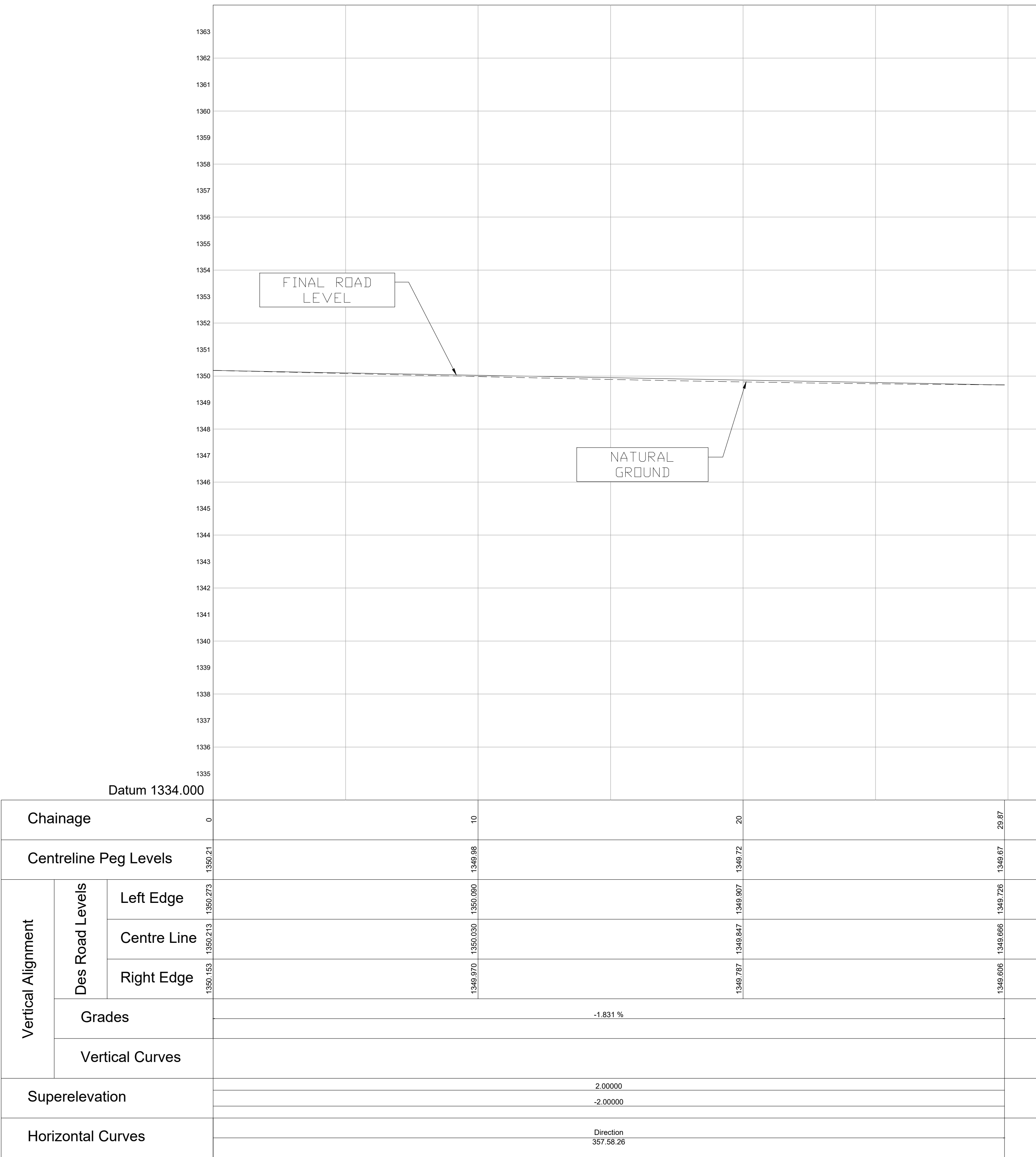
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PROJECT DESCRIPTION
ENGINEERING SERVICES FOR THE UNDERGROUND MAIN
WATER LINE AND SERVICE ROADS PROJECT FOR A PERIOD
AT BRAM FISCHER INTERNATIONAL AIRPORT

DISCIPLINE
ROADS & TRANSPORT

DRAWING DESCRIPTION
LONGITUDINAL SECTION:
TRUCK TURNING RD
SHEET 1 OF 3

DESIGNED BY: M. MTHETHTWA	SIGNATURE AND DATE: 16-04-2026	
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026	
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026	
PROJECT NO: 7089	DATE 16-04-2026	
DRAWING NO GP05-24-ACSA-505-1		
SCALE AS SHOWN	SHEET SIZE A1	REVISION F1



Reservoir Acces Rd
Longsection for 0 to 29

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ROADS & TRANSPORT

DRAWING DESCRIPTION

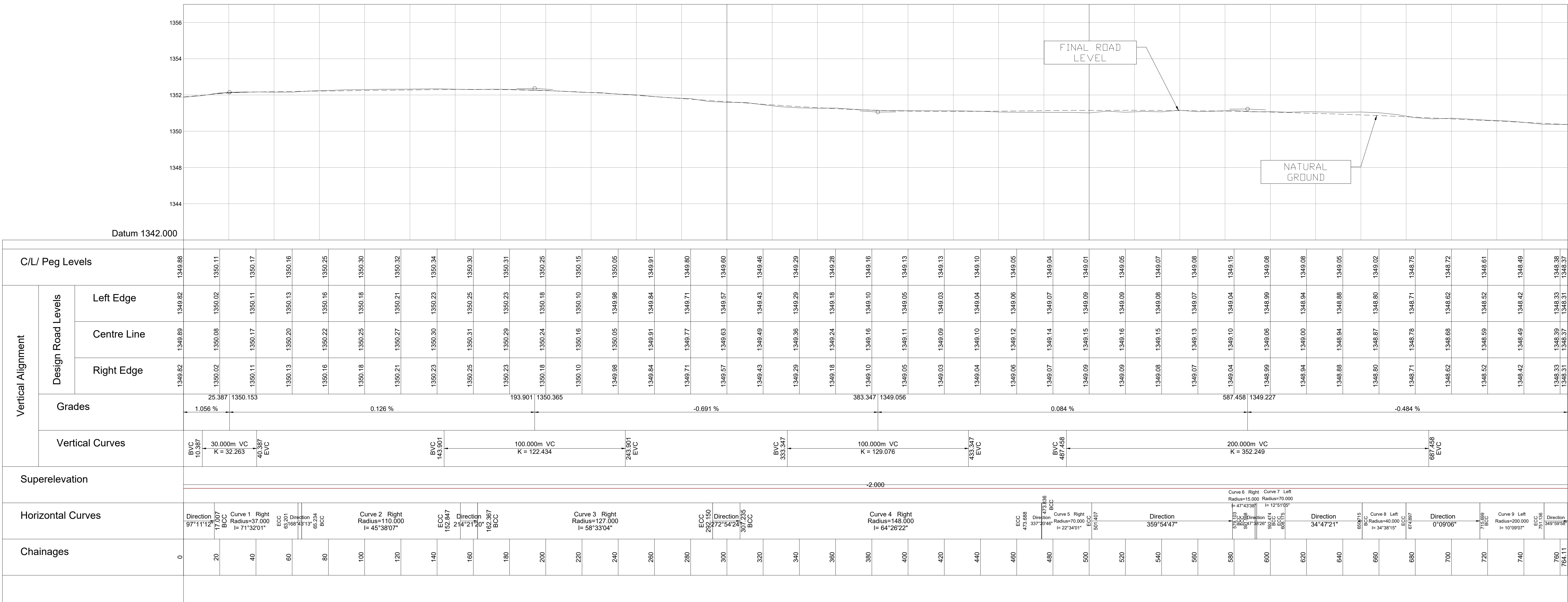
LONGITUDINAL SECTION:
RESERVOIR ACCESS RD
SHEET 2 OF 3

DESIGNED BY: M. MTHETHHTWA	SIGNATURE AND DATE: 16-04-2026
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
PROJECT NO: 7089	DATE 16-04-2026

DRAWING NO

GP05-24-ACSA-505-2

SCALE	SHEET SIZE	REVISION
AS SHOWN	A1	F1



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PROJECT DESCRIPTION
ENGINEERING SERVICES FOR THE UNDERGROUND MAIN
WATER LINE AND SERVICE ROADS PROJECT FOR A PERMANENT
AT BRAM FISCHER INTERNATIONAL AIRPORT

DISCIPLINE
ROADS & TRANSPORT

DRAWING DESCRIPTION

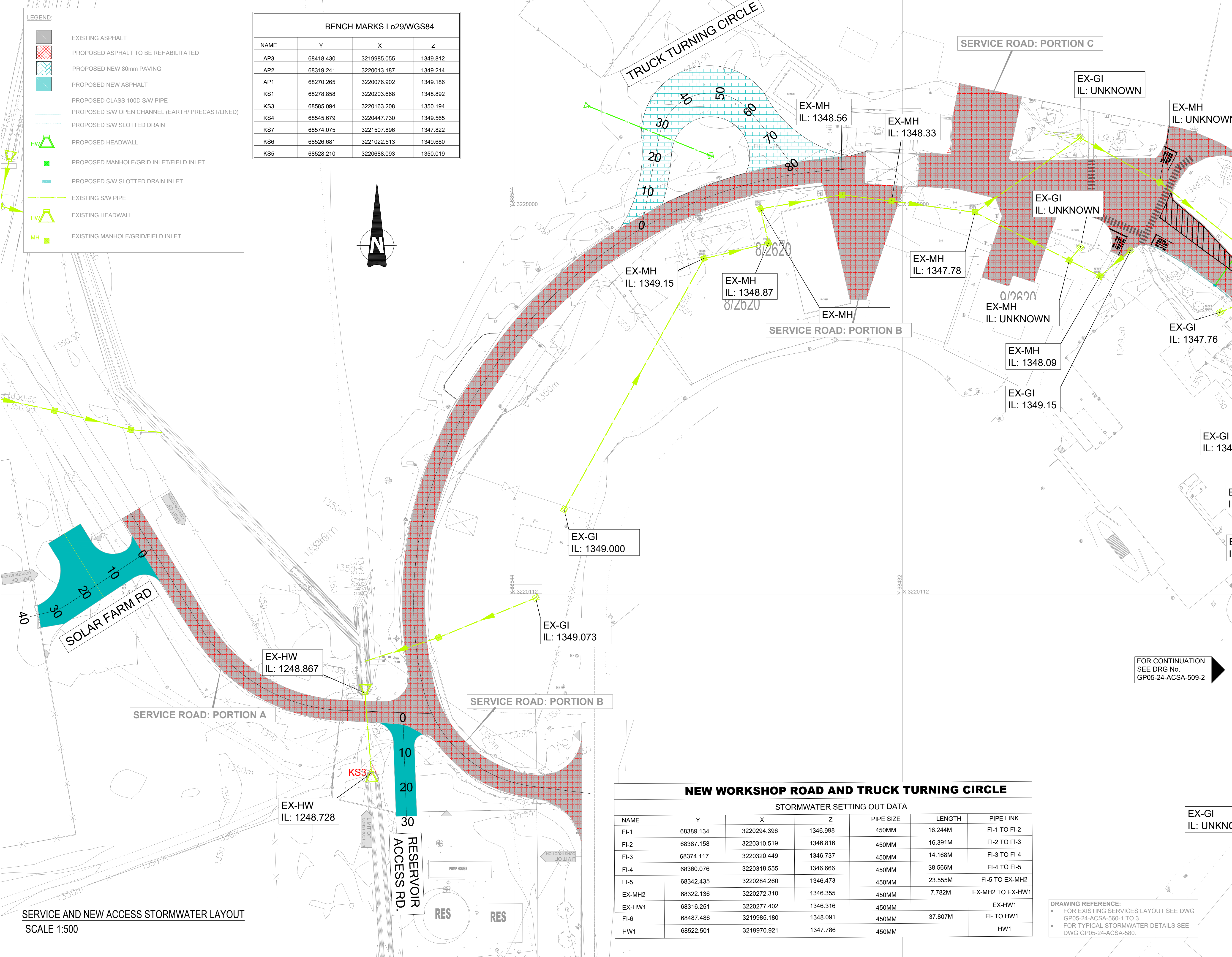
LONGITUDINAL SECTION:
SERVICE RD
SHEET 3 OF 3

DESIGNED BY: M. MTHETHIWA	SIGNATURE AND DATE: 16-04-2026
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
PROJECT NO: 7089	DATE 16-04-2026

DRAWING NO

GP05-24-ACSA-505-2

SCALE AS SHOWN	SHEET SIZE A1	REVISION F1
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SERVICE AND NEW ACCESS STORMWATER LAYOUT
SCALE 1:500

NEW WORKSHOP ROAD AND TRUCK TURNING CIRCLE						
STORMWATER SETTING OUT DATA						
NAME	Y	X	Z	PIPE SIZE	LENGTH	PIPE LINK
FI-1	68389.134	3220294.396	1346.998	450MM	16.244M	FI-1 TO FI-2
FI-2	68387.158	3220310.519	1346.816	450MM	16.391M	FI-2 TO FI-3
FI-3	68374.117	3220320.449	1346.737	450MM	14.168M	FI-3 TO FI-4
FI-4	68360.076	3220318.555	1346.666	450MM	38.566M	FI-4 TO FI-5
FI-5	68342.435	3220284.260	1346.473	450MM	23.555M	FI-5 TO EX-MH2
EX-MH2	68322.136	3220272.310	1346.355	450MM	7.782M	EX-MH2 TO EX-HW1
EX-HW1	68316.251	3220277.402	1346.316	450MM		EX-HW1
FI-6	68487.486	3219985.180	1348.091	450MM	37.807M	FI- TO HW1
HW1	68522.501	3219970.921	1347.786	450MM		HW1

DRAWING REFERENCE:
• FOR EXISTING SERVICES LAYOUT SEE DWG GP05-24-ACSA-500-1 TO 3.
• FOR TYPICAL STORMWATER DETAILS SEE DWG GP05-24-ACSA-580.

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ROADS & TRANSPORT

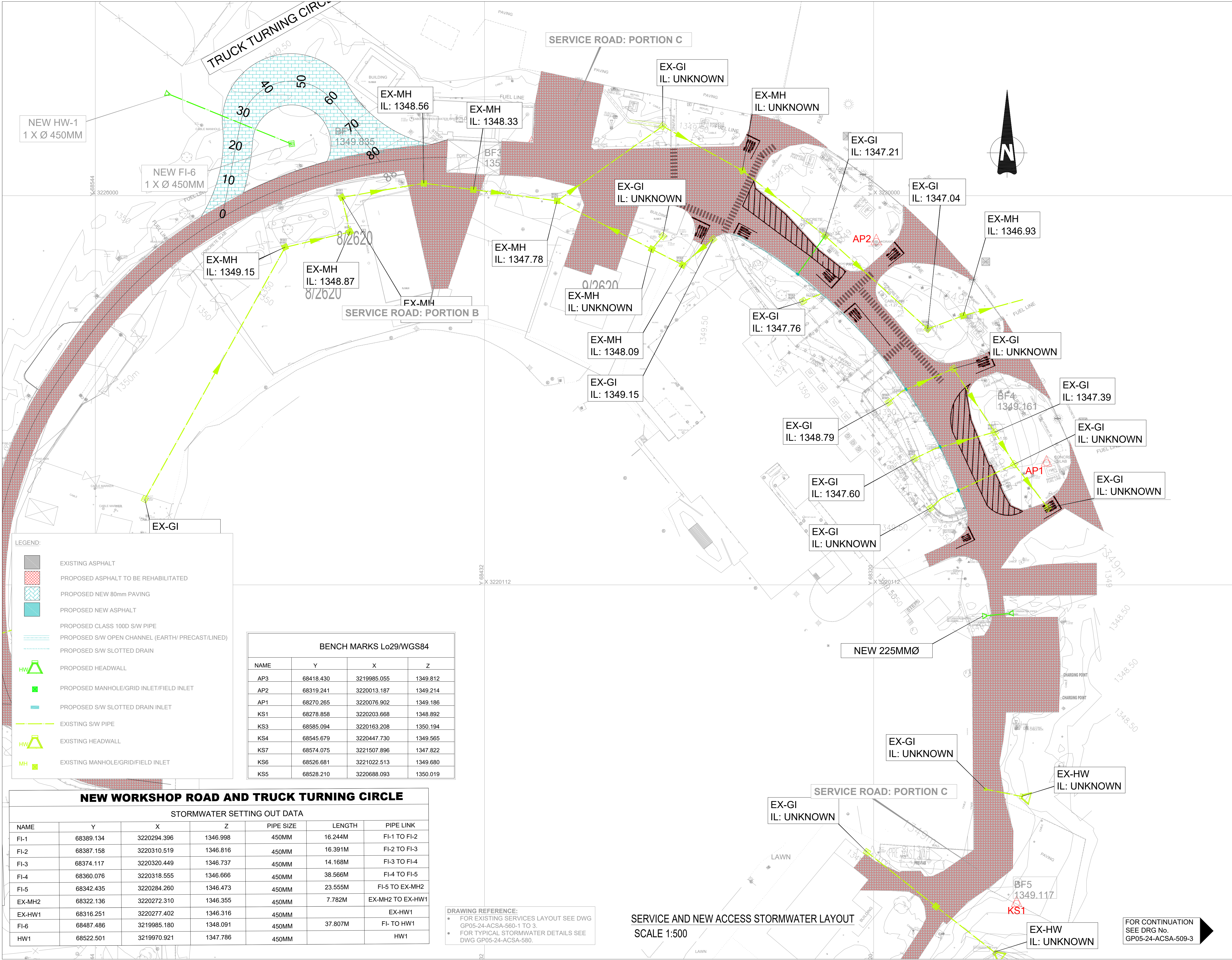
DRAWING DESCRIPTION

STORMWATER LAYOUT
SHEET 1 OF 3

DESIGNED BY: M. MTHETHWA	SIGNATURE AND DATE: 16-04-2026
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
PROJECT NO: 7089	DATE 16-04-2026

DRAWING NO
GP05-24-ACSA-509-1

SCALE	SHEET SIZE	REVISION
1:500	A1	F1



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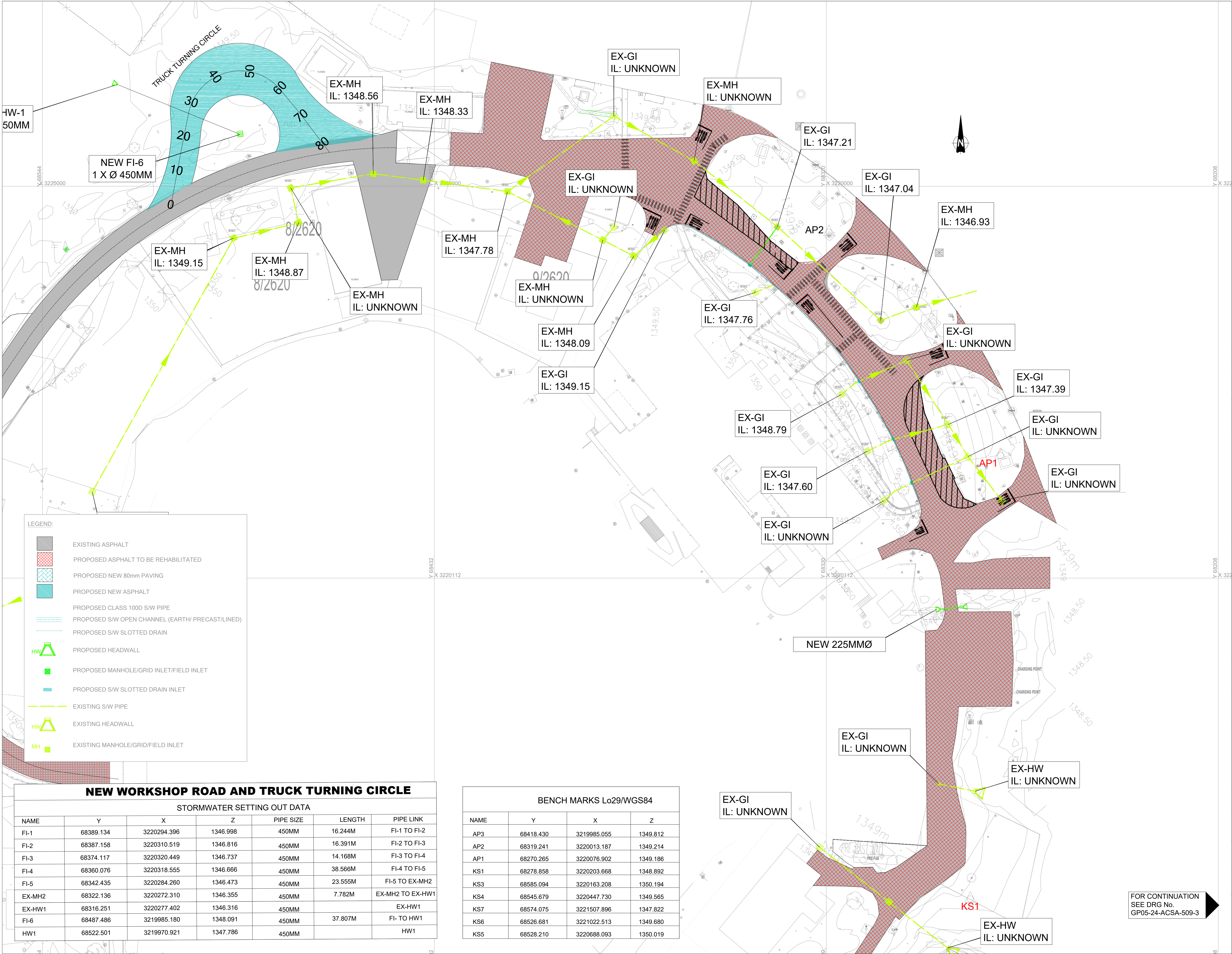
DRAWING DESCRIPTION

STORMWATERLAYOUT
SHEET 2 OF 3

DESIGNED BY: M. MTHETHWA	SIGNATURE AND DATE: 16-04-2026
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PROJECT NO: 7089	DATE 16-04-2026

DRAWING NO
GP05-24-ACSA-509-2

SCALE	SHEET SIZE	REVISION
1:500	A1	F1



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DISCIPLINE

ROADS & TRANSPORT

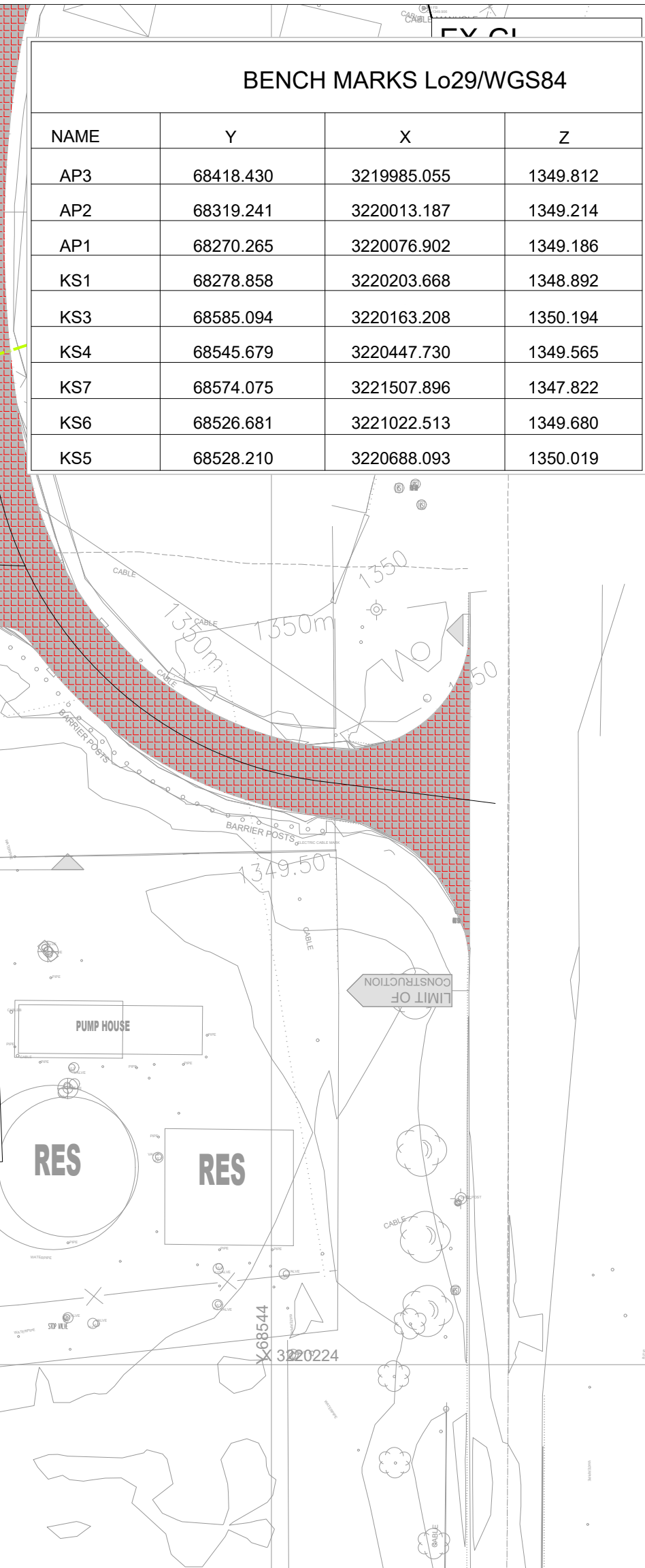
DRAWING DESCRIPTION

STORMWATER LAYOUT SHEET 2 OF 3

DESIGNED BY: M. MTHETHWA
CHECKED BY: G. MALAMBO
APPROVED BY: G. MALAMBO
PROJECT NO: 7089
DRAWING NO: GP05-24-ACSA-509-2

SIGNATURE AND DATE: 16-04-2026
SIGNATURE AND DATE: 16-04-2026
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DATE: 16-04-2026

SCALE: 1:500
SHEET SIZE: A1
REVISION: F1



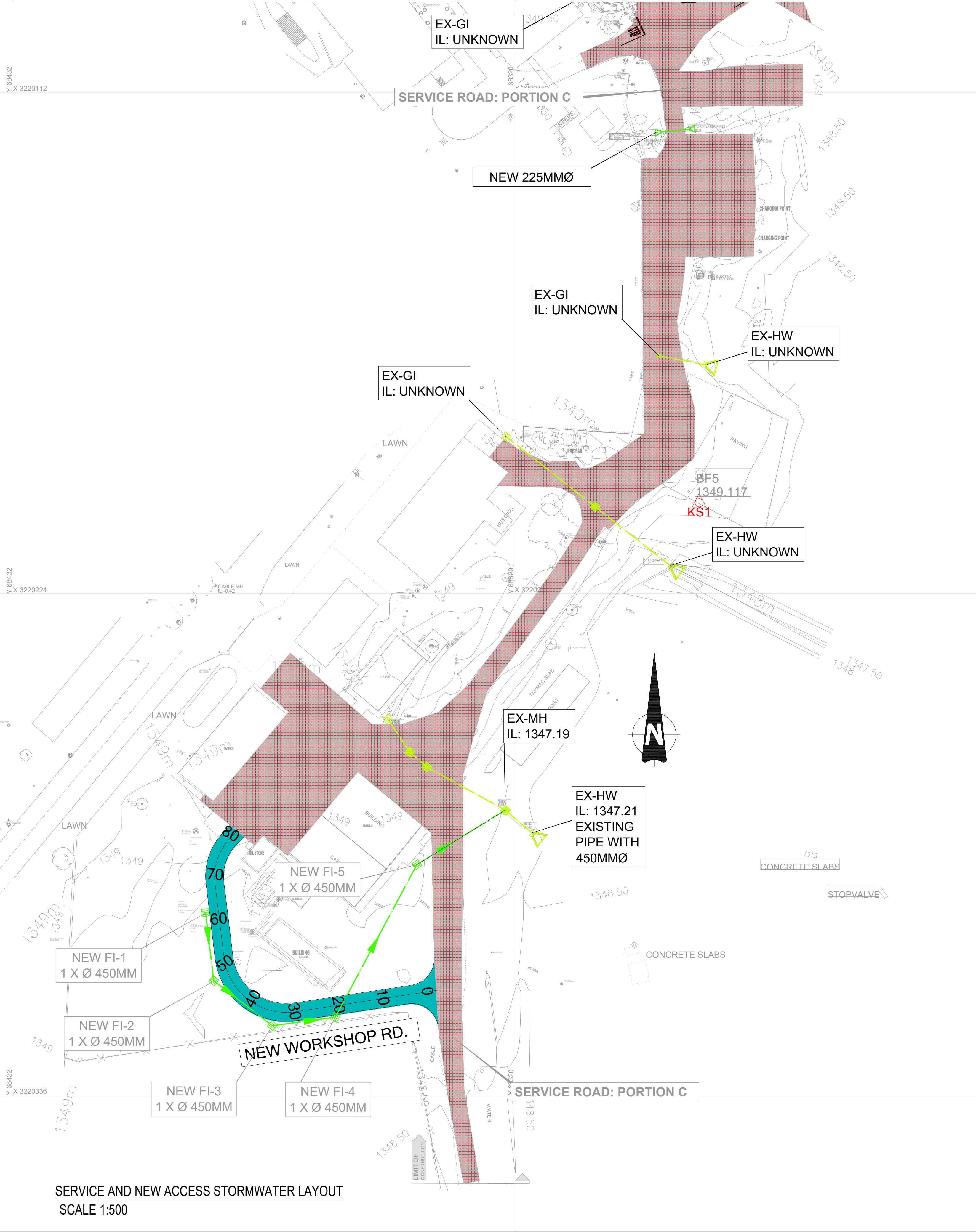
LEGEND:

- EXISTING ASPHALT
- PROPOSED ASPHALT TO BE REHABILITATED
- PROPOSED NEW 80mm PAVING
- PROPOSED NEW ASPHALT
- PROPOSED CLASS 1000 S/W PIPE
- PROPOSED S/W OPEN CHANNEL (EARTH/ PRECAST/LINED)
- PROPOSED S/W SLOTTED DRAIN
- PROPOSED HEADWALL
- PROPOSED MANHOLE/GRID INLET/FIELD INLET
- PROPOSED S/W SLOTTED DRAIN INLET
- EXISTING S/W PIPE
- EXISTING HEADWALL
- EXISTING MANHOLE/GRID/FIELD INLET

NEW WORKSHOP ROAD AND TRUCK TURNING CIRCLE						
STORMWATER SETTING OUT DATA						
NAME	Y	X	Z	PIPE SIZE	LENGTH	PIPE LINK
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FI-2	68387.158	3220310.519	1346.816	450MM	16.391M	FI-2 TO FI-3
FI-3	68374.117	3220320.449	1346.737	450MM	14.168M	FI-3 TO FI-4
FI-4	68360.076	3220318.555	1346.666	450MM	38.566M	FI-4 TO FI-5
FI-5	68342.435	3220284.260	1346.473	450MM	23.555M	FI-5 TO EX-MH2
EX-MH2	68322.136	3220272.310	1346.355	450MM	7.782M	EX-MH2 TO EX-HW1
EX-HW1	68316.251	3220277.402	1346.316	450MM		EX-HW1
FI-6	68487.486	3219985.180	1348.091	450MM	37.807M	FI- TO HW1
HW1	68522.501	3219970.921	1347.786	450MM		HW1

DRAWING REFERENCE:

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- FOR TYPICAL STORMWATER DETAILS SEE DWG GP05-24-ACSA-580.



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- ALL BENCHMARKS TO BE CONFIRMED ON SITE.

REVISION INFORMATION

No:	DATE	DESCRIPTION:	BY
F1	16-04-2026	ISSUED FOR TENDER	

CLIENT

BRAM FISCHER
INTERNATIONAL AIRPORT
AIRPORTS COMPANY SOUTH AFRICA

CONSULTANT

amce

Midridge Office Estate North
International Business Gateway Park
Corner of New and 6th Roads
PO Box 8587,
Midrand, 1685
Tel No. +27 (11) 312 1569, +27 (11) 312 1570
Fax No. +27 (11) 3 99412 1571
www.amce.co.za

PROJECT DESCRIPTION
ENGINEERING SERVICES FOR THE UNDERGROUND MAIN WATER LINE AND SERVICE ROADS PROJECT FOR A PERIOD AT BRAM FISCHER INTERNATIONAL AIRPORT

DISCIPLINE
ROADS & TRANSPORT

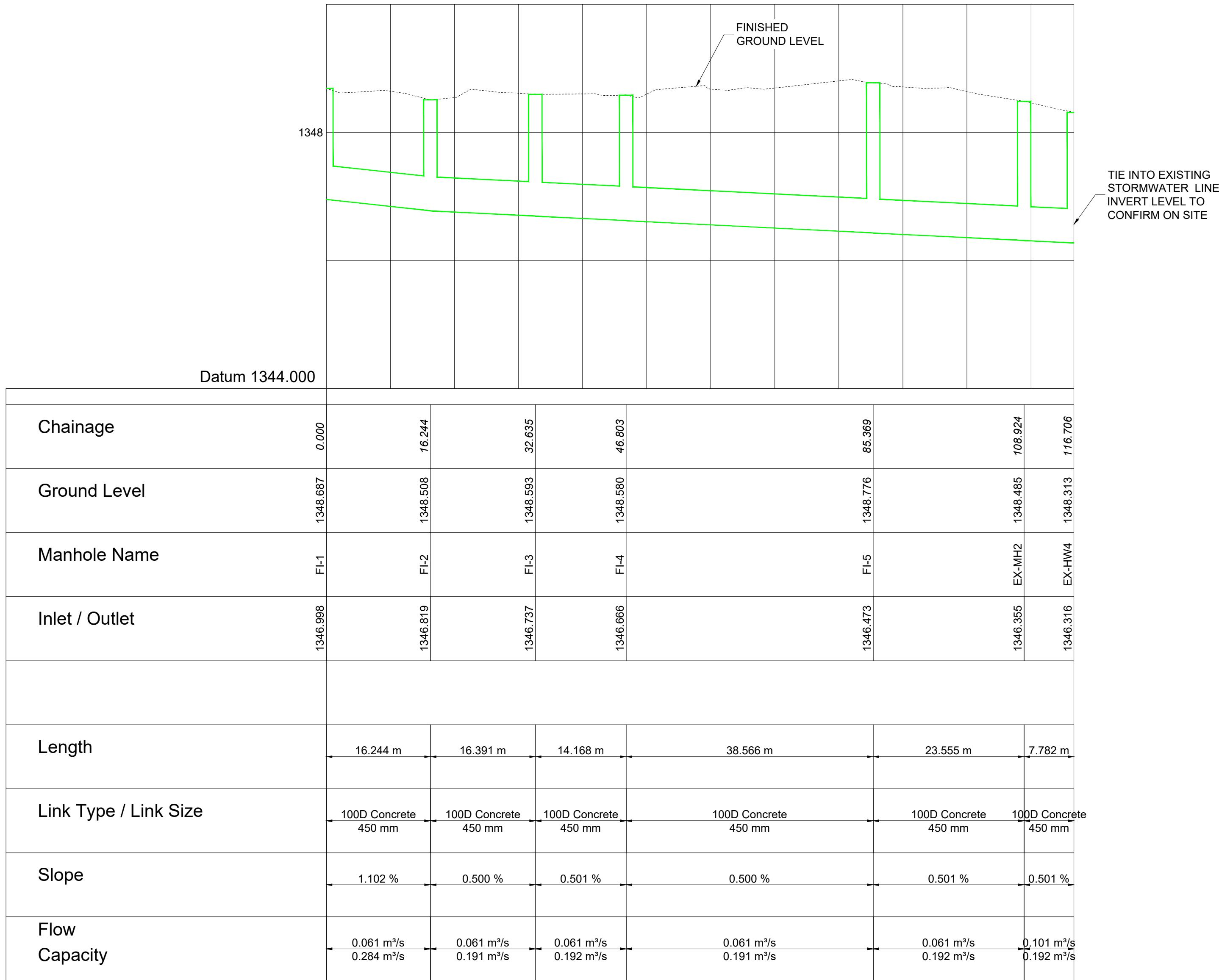
DRAWING DESCRIPTION

STORMWATER LAYOUT
SHEET 3 OF 3

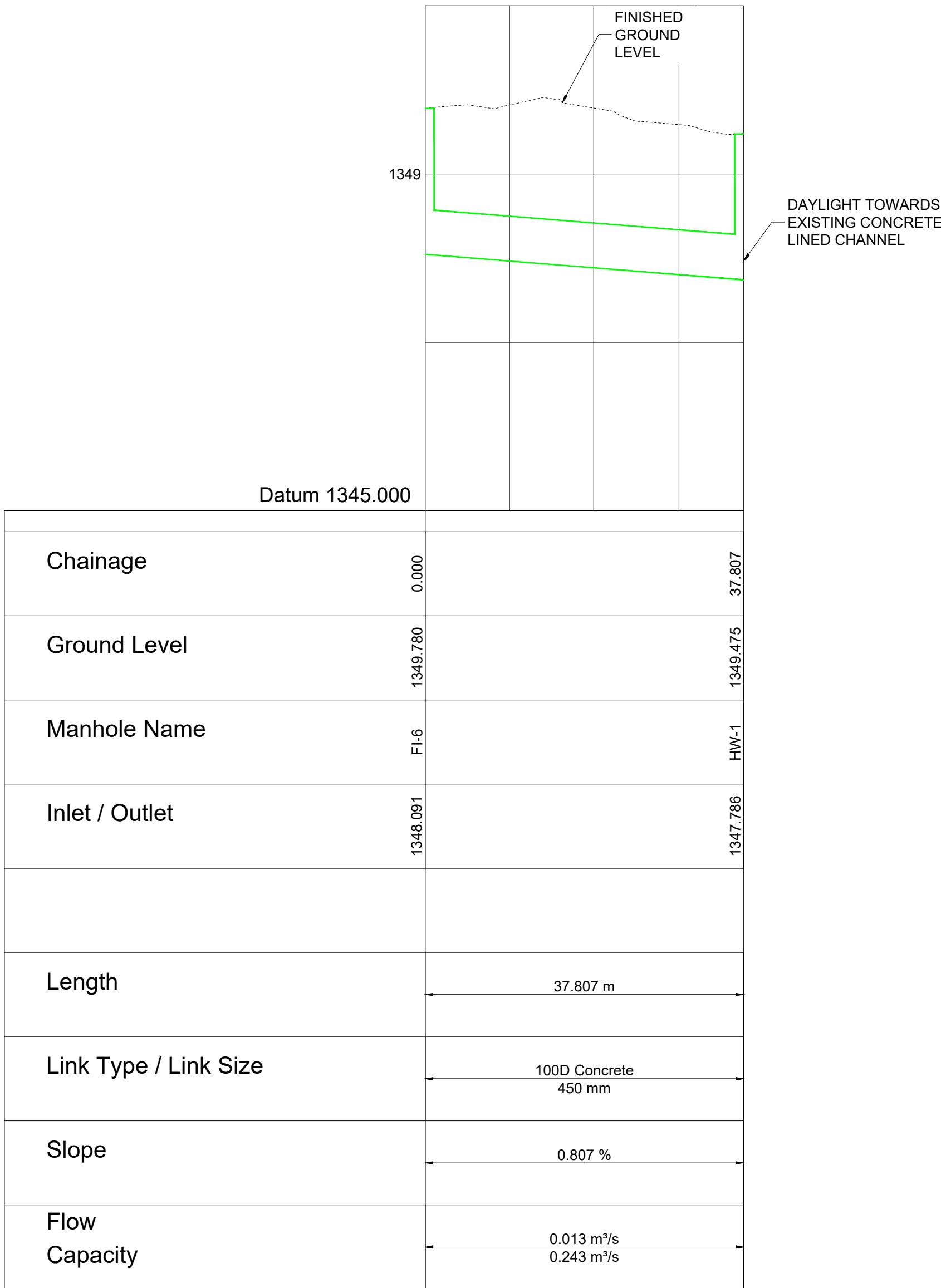
DESIGNED BY: M. MTHETHWA	SIGNATURE AND DATE: 16-04-2026
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
PROJECT NO: 7089	DATE: 16-04-2026

DRAWING NO
GP05-24-ACSA-509-3

SCALE 1:500	SHEET SIZE A1	REVISION F1
----------------	------------------	----------------



Manhole FI-1 to EX-HW4
Horizontal Scale: 500
Vertical Scale :50



Manhole FI-6 to HW-1
Horizontal Scale: 500
Vertical Scale :50

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DISCIPLINE
ROADS & TRANSPORT

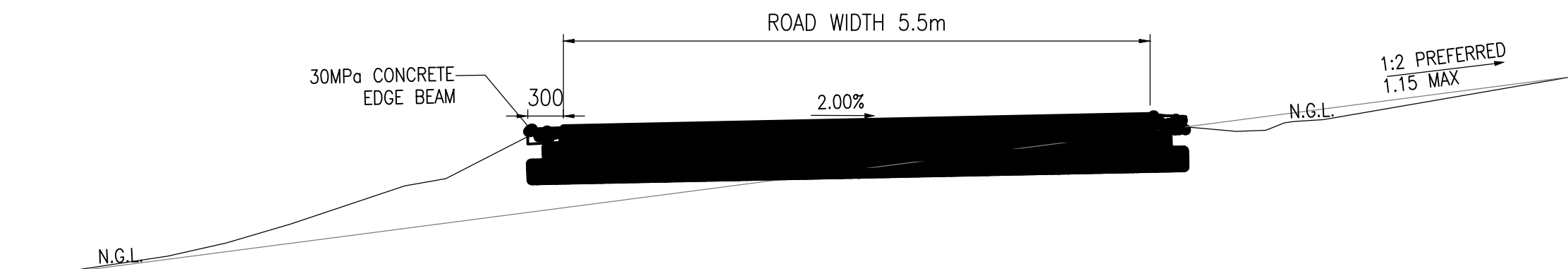
DRAWING DESCRIPTION
**STORMWATER
LONGITUDINAL SECTION**

DESIGNED BY: M. MTHETHWA	SIGNATURE AND DATE: 16-04-2026
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
PROJECT NO: 7089	DATE 16-04-2026

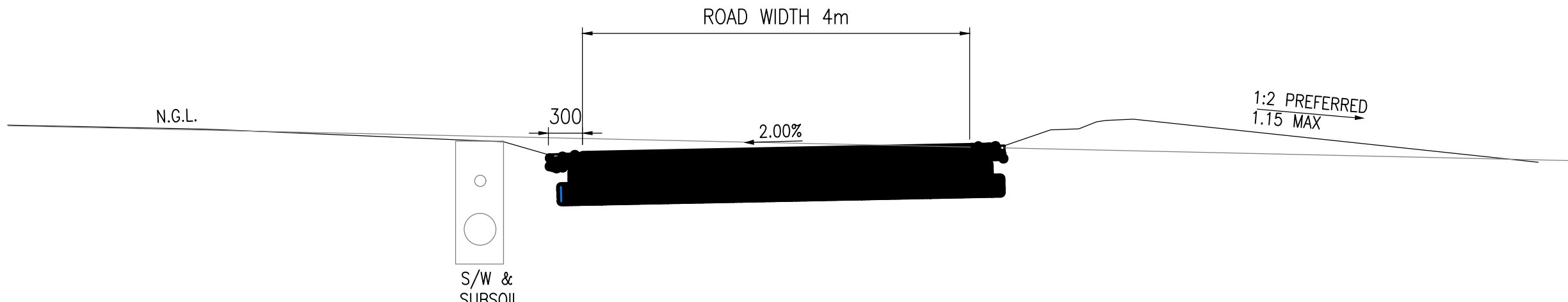
DRAWING NO

GP05-24-ACSA-510-1

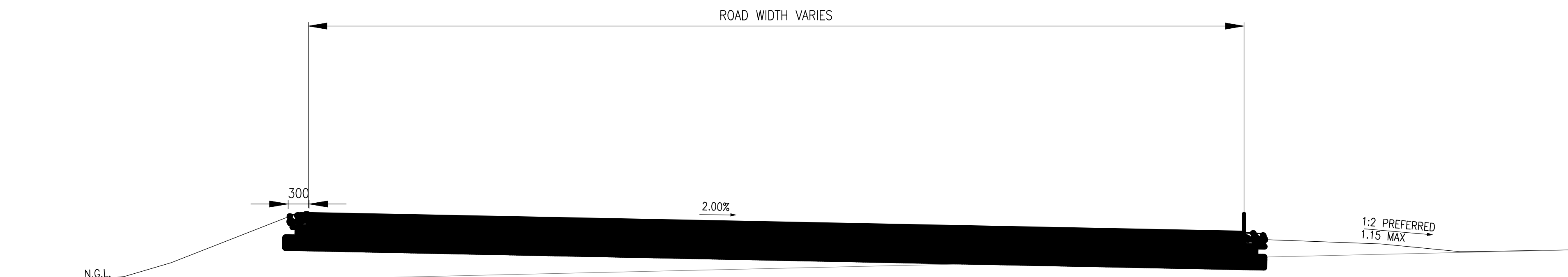
SCALE AS SHOWN	SHEET SIZE A1	REVISION F1
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RESERVOIR ROAD TYPICAL CROSS SECTION
SCALE 1:50



WORKSHOP ROAD TYPICAL CROSS SECTION
SCALE 1:50



TRUCK TURNING CIRCLE TYPICAL CROSS SECTION
SCALE 1:50

TYPICAL ROAD CROSS SECTION GEOMETRY
FOR NEW ROADS ONLY

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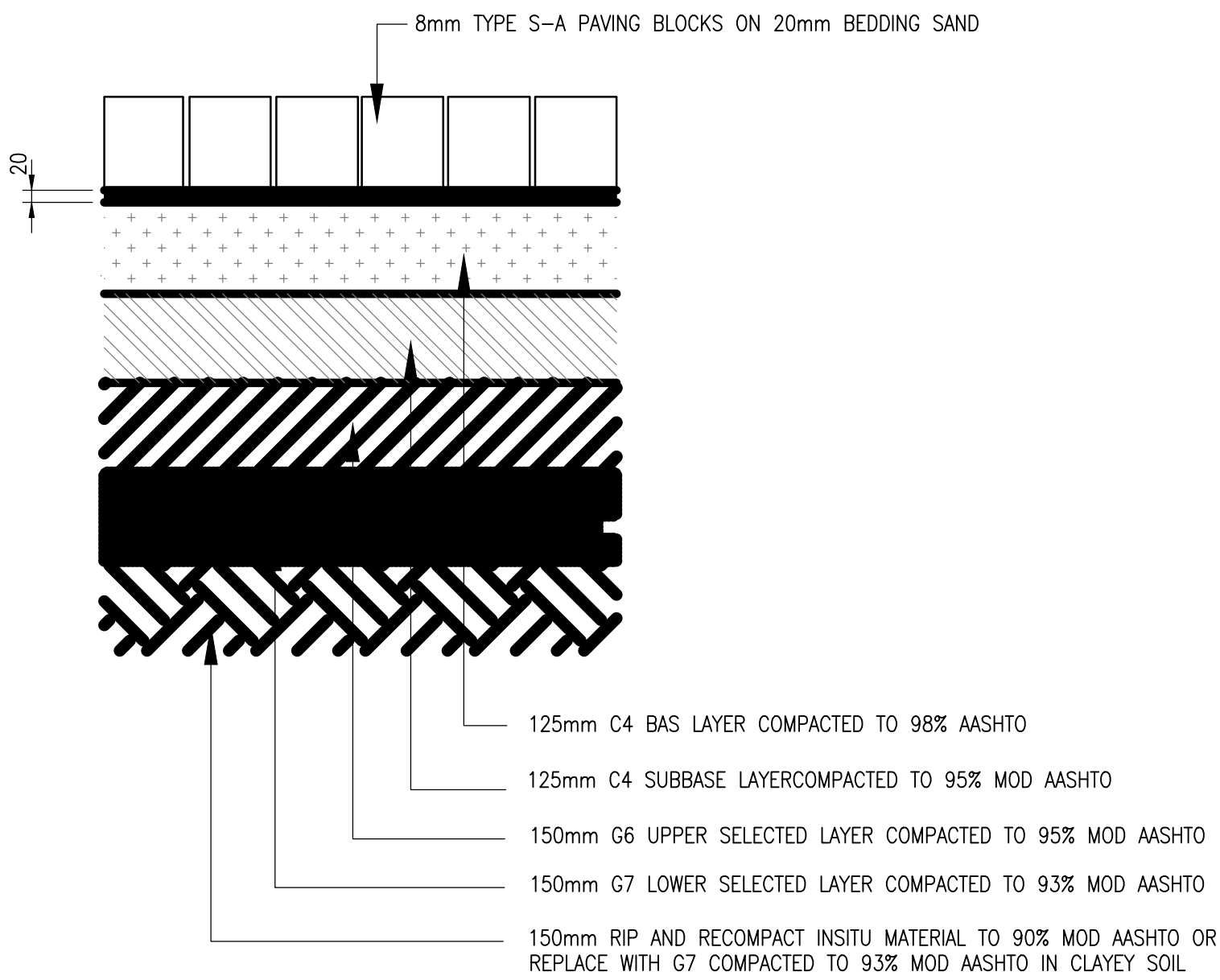
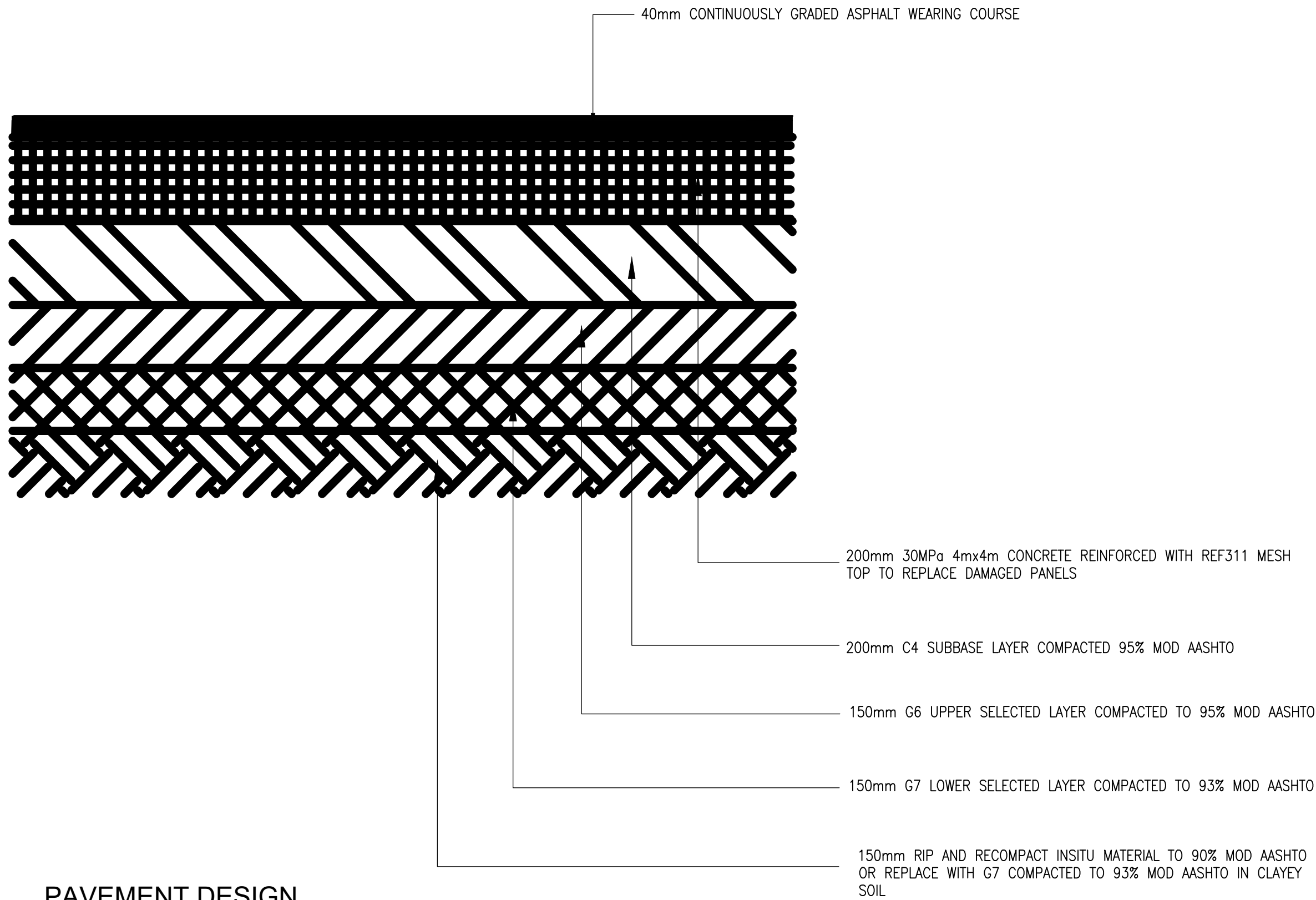
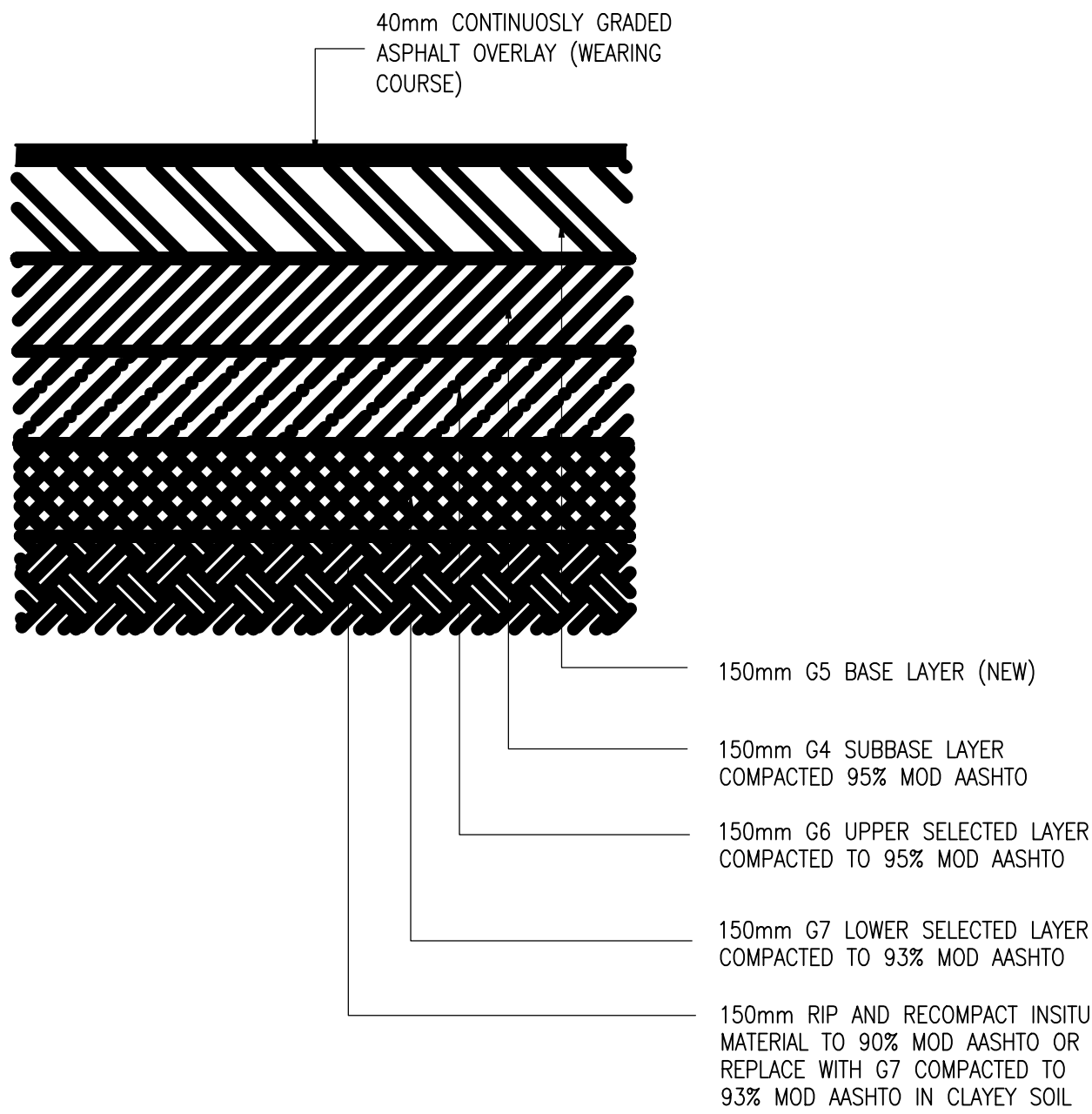
DRAWING DESCRIPTION

TYPICAL CROSS SECTION

DESIGNED BY: M. MTHETHWA	SIGNATURE AND DATE: 16-04-2026
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
PROJECT NO: 7089	DATE 16-04-2026

DRAWING NO
GP05-24-ACSA-511-1

SCALE	SHEET SIZE	REVISION
NIS	A1	F1



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AT BRAM FISCHER INTERNATIONAL AIRPORT

DISCIPLINE
ROADS & TRANSPORT

DRAWING DESCRIPTION

PAVEMENT DESIGN

DESIGNED BY: M. MTHETHWA	SIGNATURE AND DATE: 16-04-2026
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
PROJECT NO: 7089	DATE 16-04-2026

DRAWING NO
GP05-24-ACSA-513-1

SCALE	SHEET SIZE	REVISION
MTS	A1	F1

CHAINAGE 60

H.SCALE 1:250
V.SCALE 1:250
DATUM = 1349

FINISHED		1349.894	1350.007	1349.894	1349.882
GROUND					
OFFSET		-4.400	0.000		6.120

CHAINAGE 50

H.SCALE 1:250
V.SCALE 1:250
DATUM = 1349

FINISHED		1349.741	1350.207		
GROUND					
OFFSET		-7.740	0.000		6.890

CHAINAGE 40

H.SCALE 1:250
V.SCALE 1:250
DATUM = 1349

FINISHED		1349.897	1350.283		
GROUND					
OFFSET		-7.880	0.000		6.470

CHAINAGE 30

H.SCALE 1:250
V.SCALE 1:250
DATUM = 1349

FINISHED			1349.894	1350.151	
GROUND					
OFFSET			-4.860	0.000	8.000

CHAINAGE 20

H.SCALE 1:250
V.SCALE 1:250
DATUM = 1349

FINISHED			1349.893	1350.093	
GROUND					
OFFSET			-3.900	0.000	4.800

CHAINAGE 10

H.SCALE 1:250
V.SCALE 1:250
DATUM = 1349

FINISHED			1350.098	1350.085	
GROUND					
OFFSET			-3.900	0.000	4.780

CHAINAGE 0

H.SCALE 1:250
V.SCALE 1:250
DATUM = 1349

FINISHED			1350.154	1350.078	
GROUND					
OFFSET			-3.900	0.000	3.000

CHAINAGE 83

H.SCALE 1:250
V.SCALE 1:250
DATUM = 1349

FINISHED			1349.714	1349.792	
GROUND					
OFFSET			-3.400	0.000	6.290

CHAINAGE 80

H.SCALE 1:250
V.SCALE 1:250
DATUM = 1349

FINISHED			1349.782	1349.736	
GROUND					
OFFSET			-4.025	0.000	7.006

CHAINAGE 70

H.SCALE 1:250
V.SCALE 1:250
DATUM = 1349

FINISHED			1349.544	1349.883	
GROUND					
OFFSET			-6.000	0.000	6.800

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DISCIPLINE
ROADS & TRANSPORT

DRAWING DESCRIPTION

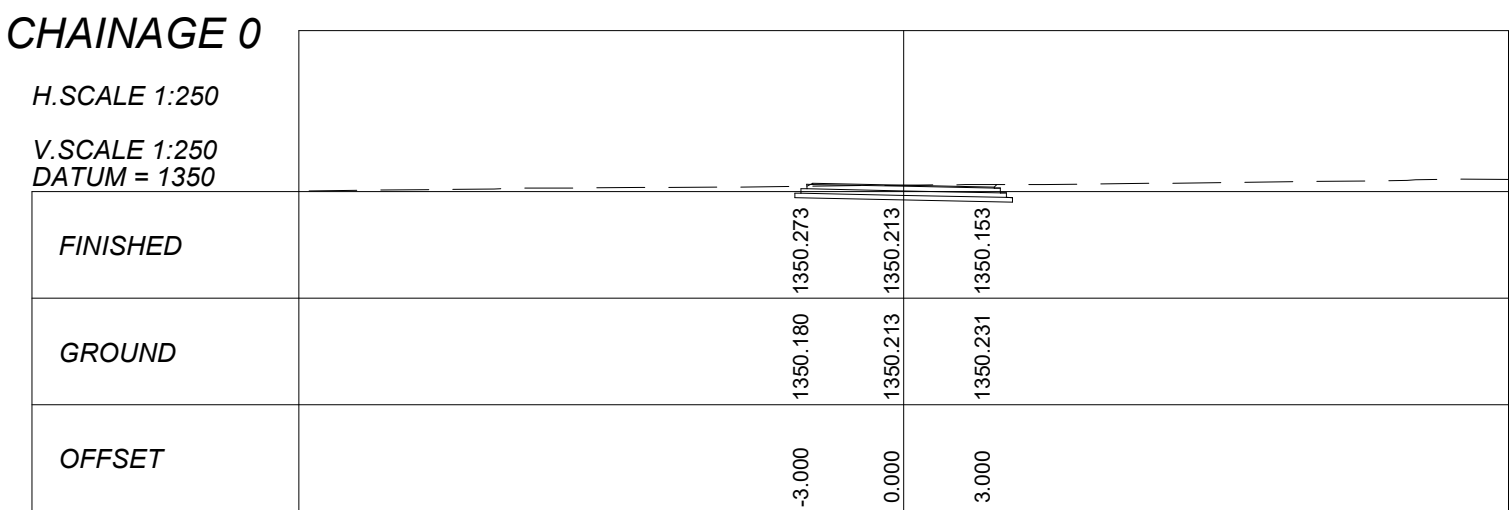
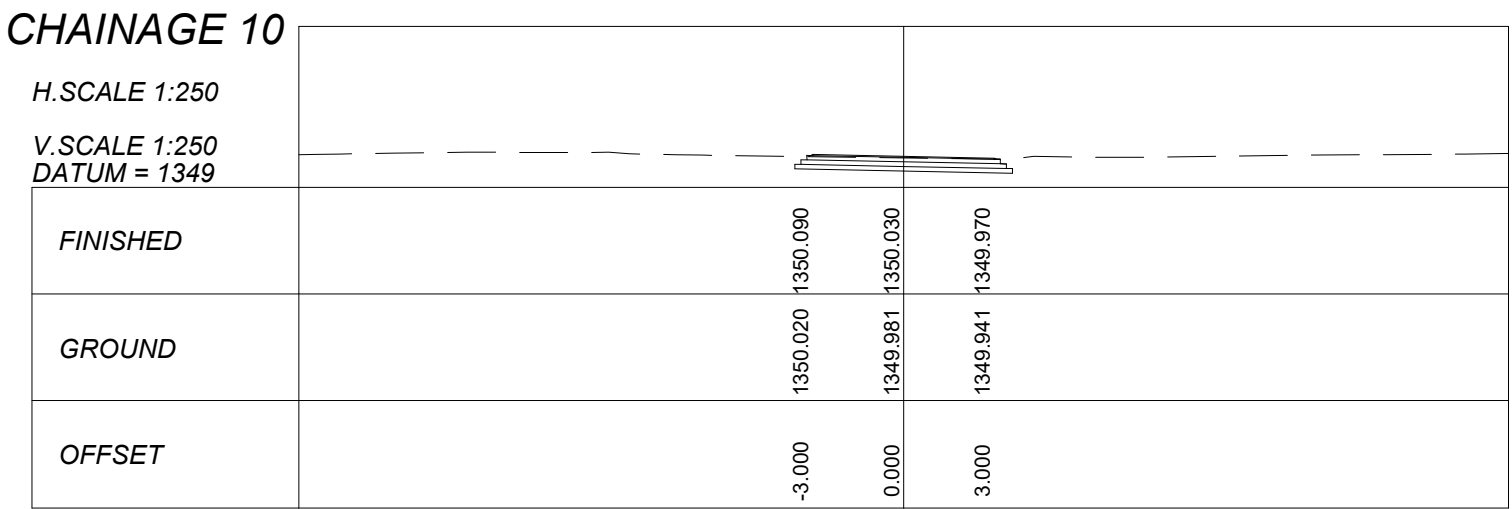
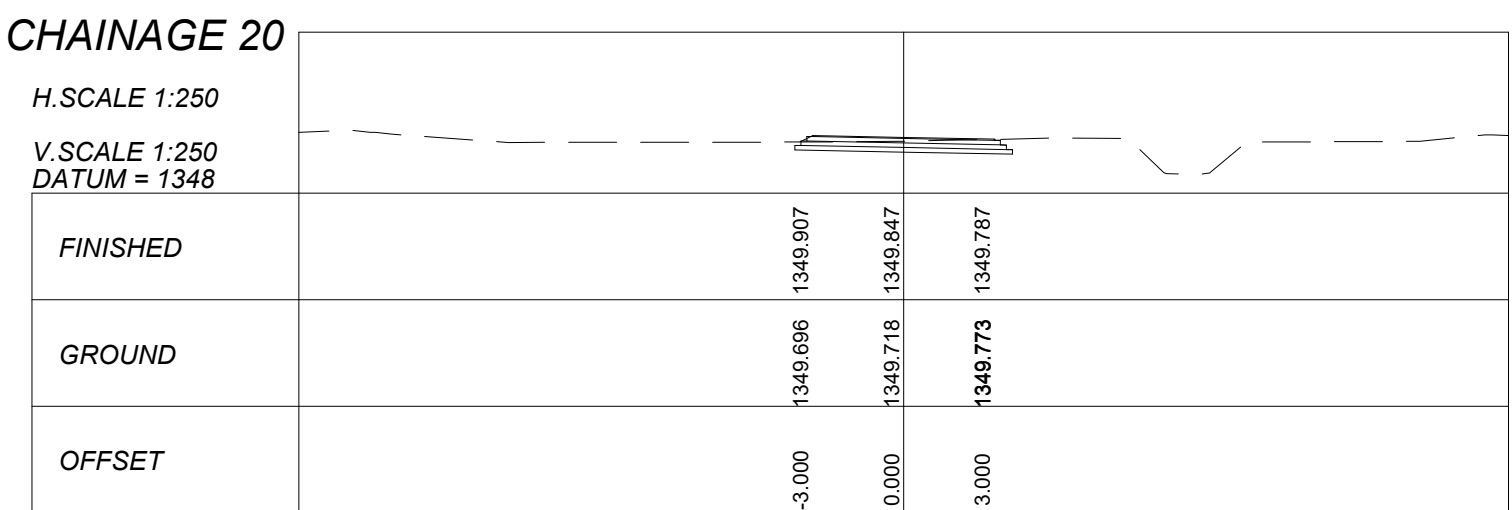
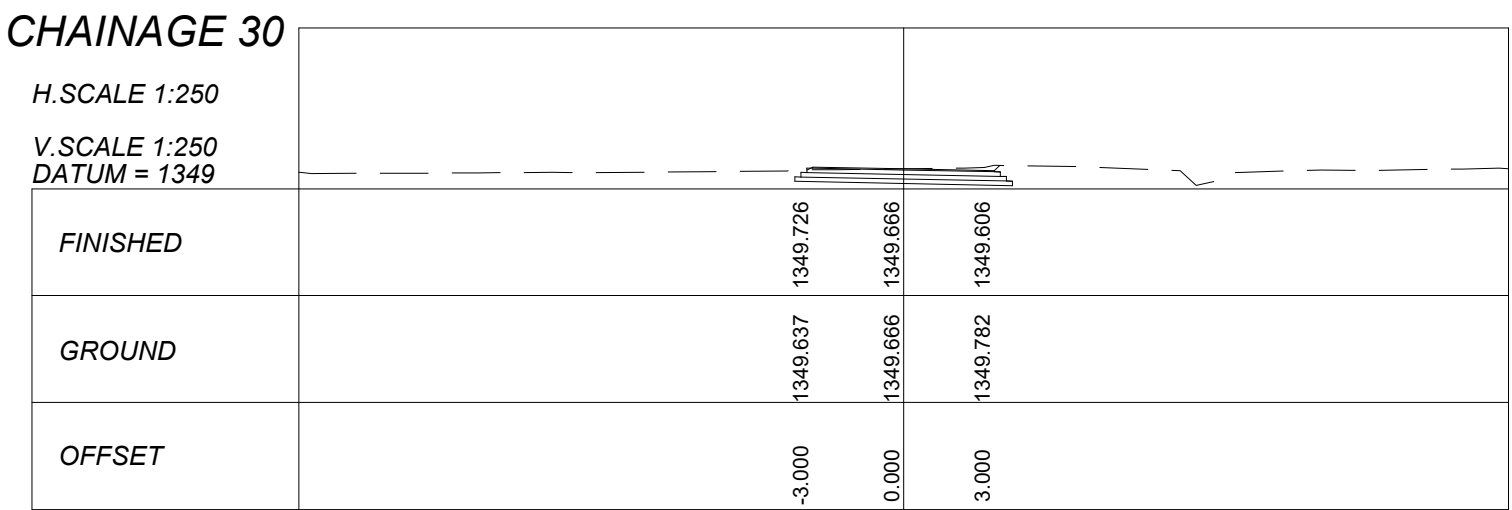
ROAD CROSS SECTIONS
TRUCK TURNING RD
SHEET 2 OF 3

DESIGNED BY: M. MTHETHIWA	SIGNATURE AND DATE: 16-04-2026
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
PROJECT NO: 7089	DATE 16-04-2026

DRAWING NO

GP05-24-ACSA-518-2

SCALE AS SHOWN	SHEET SIZE A1	REVISION F1
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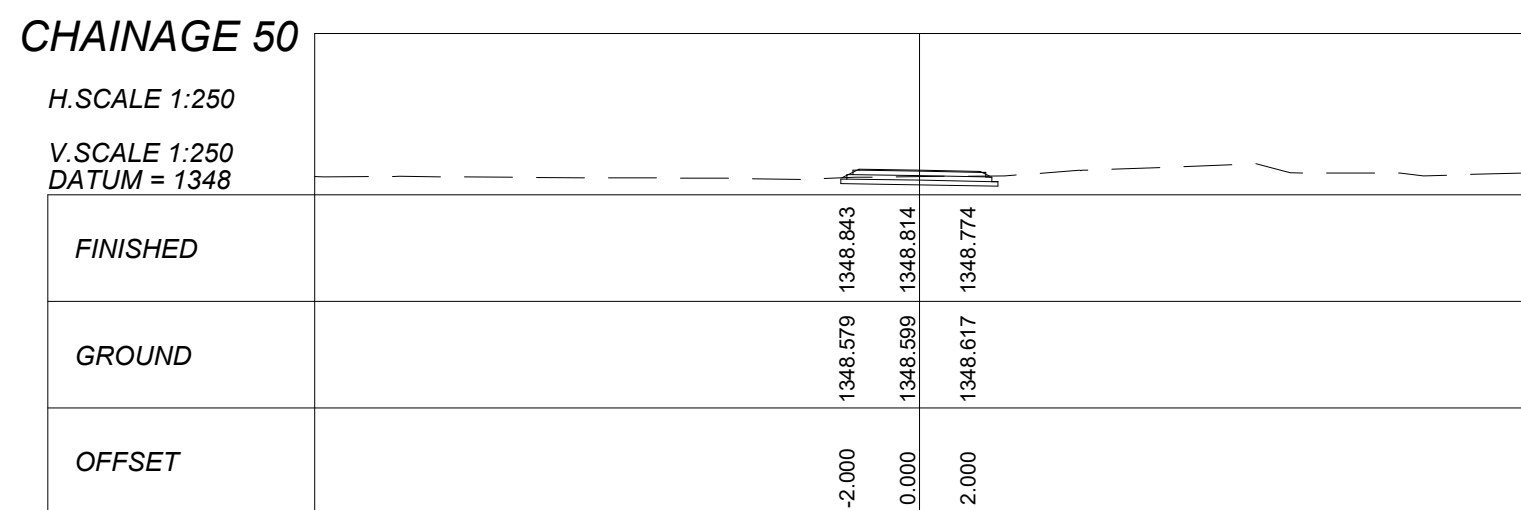
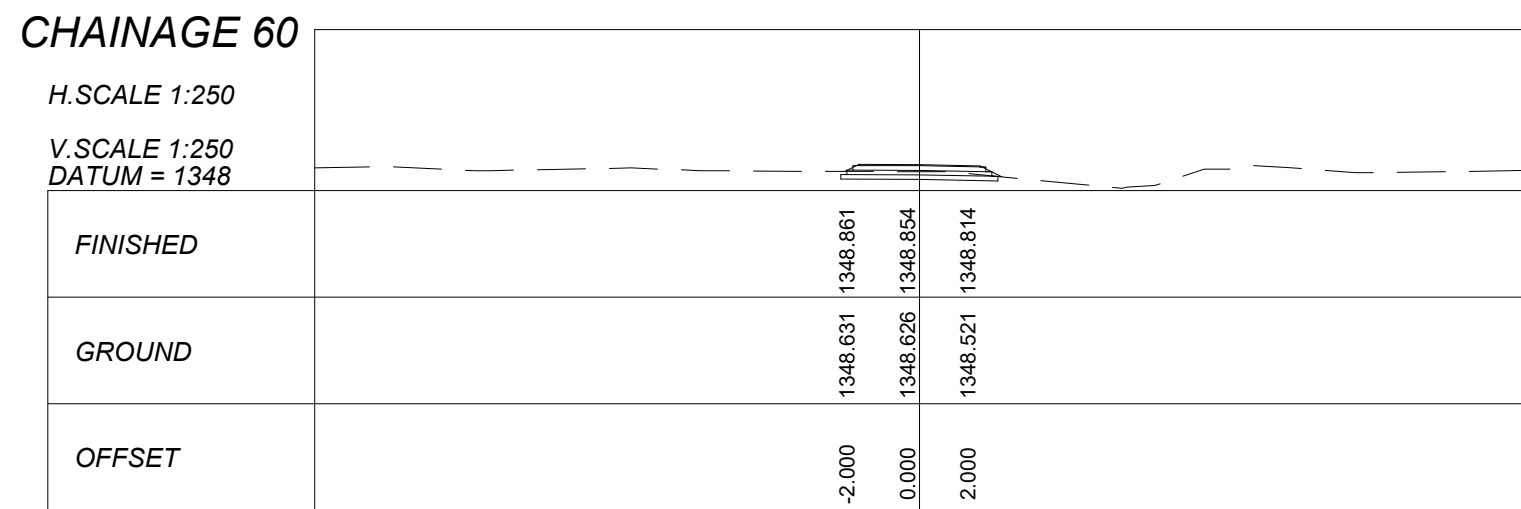
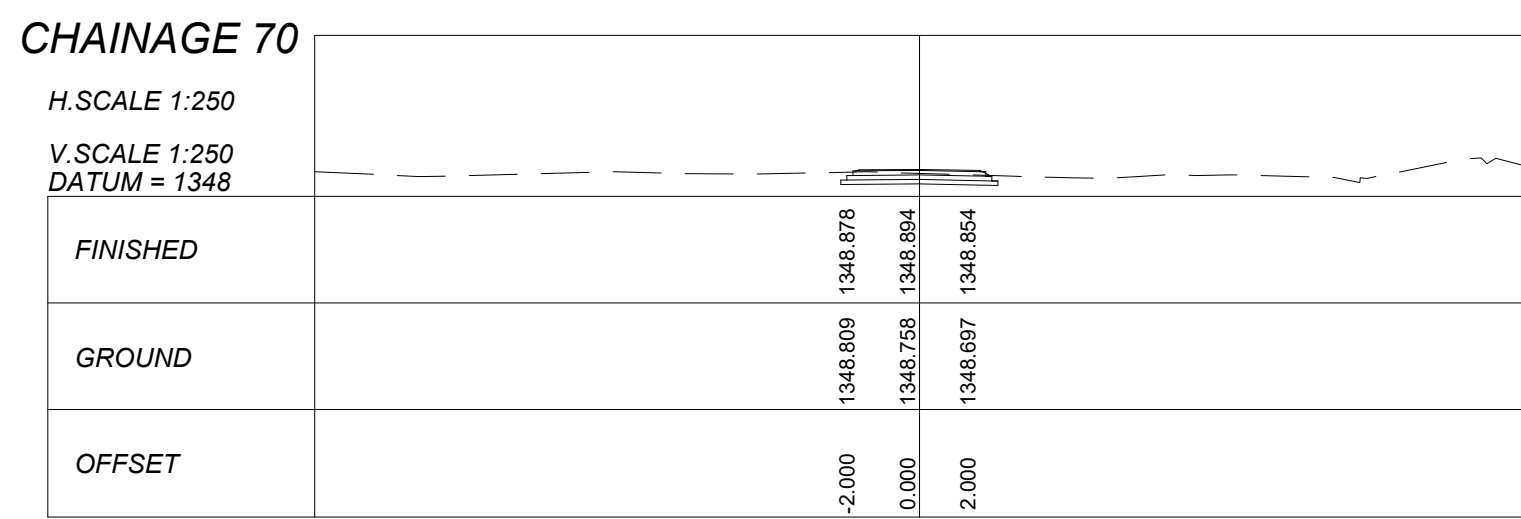
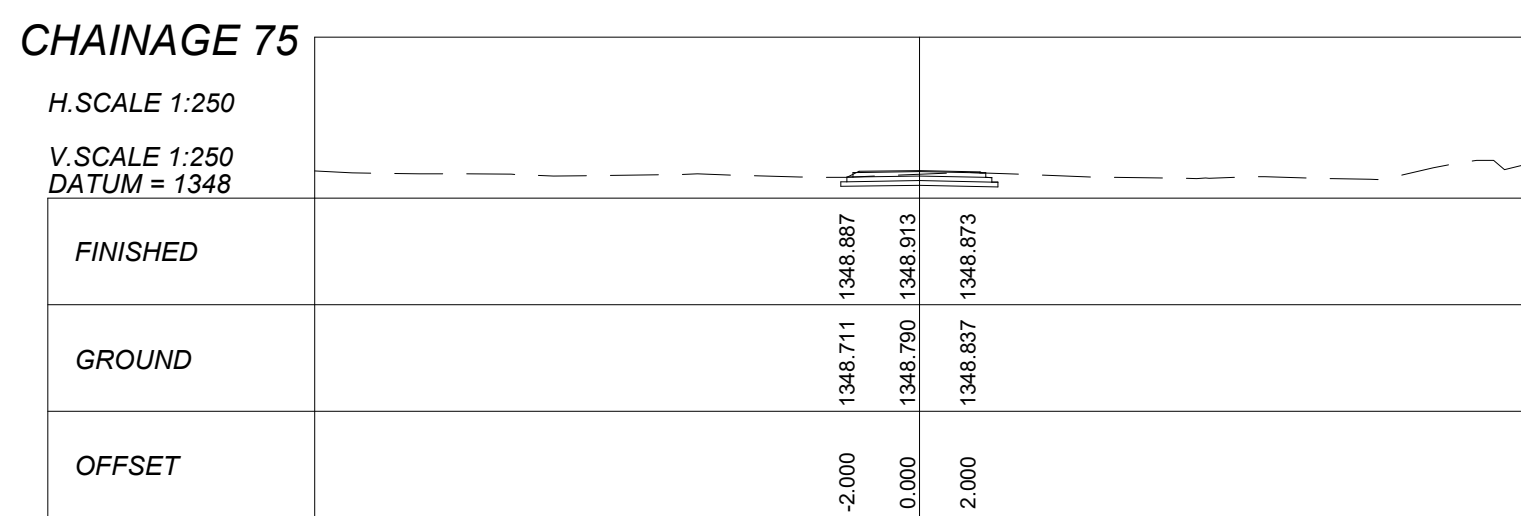
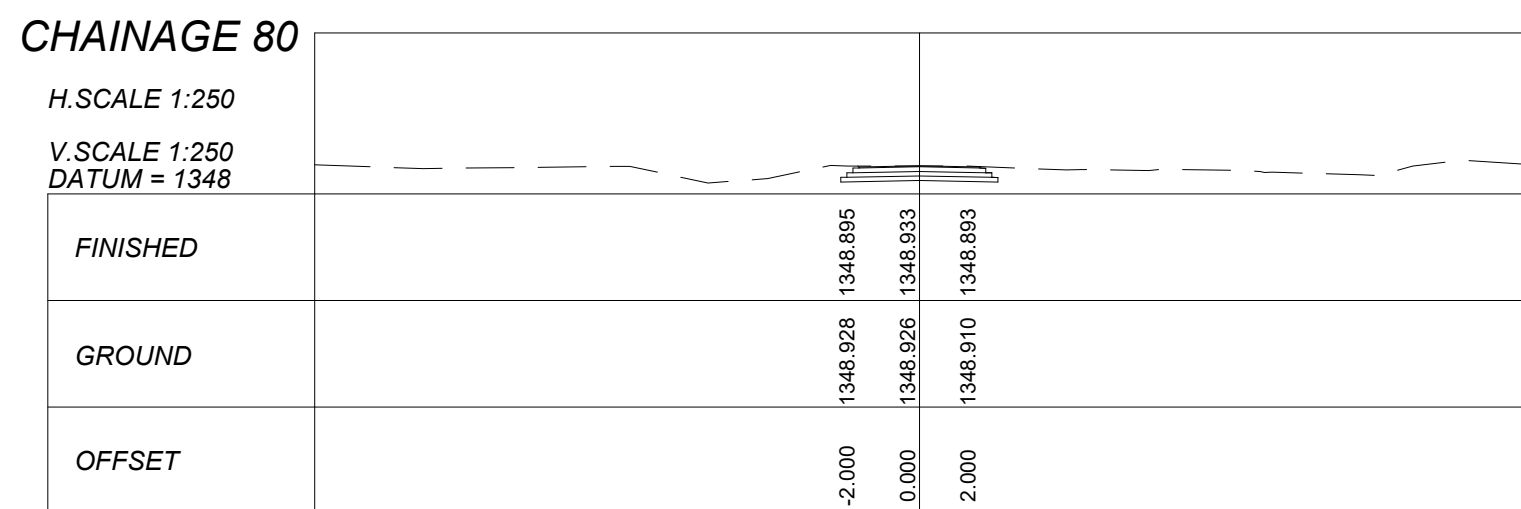
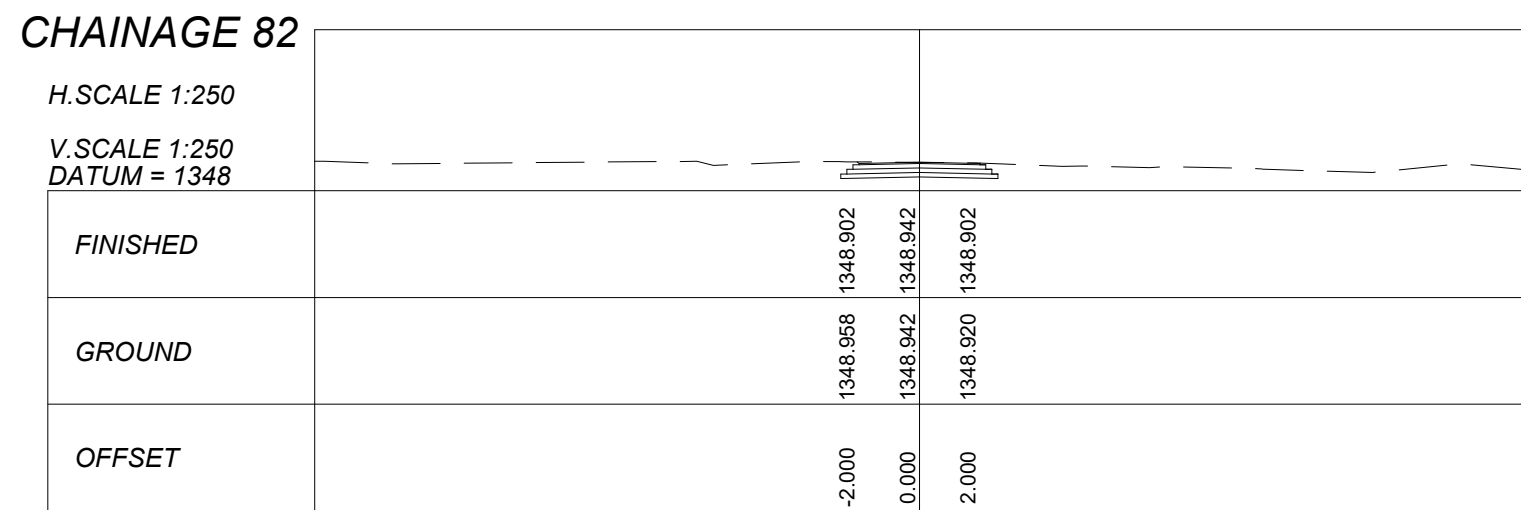
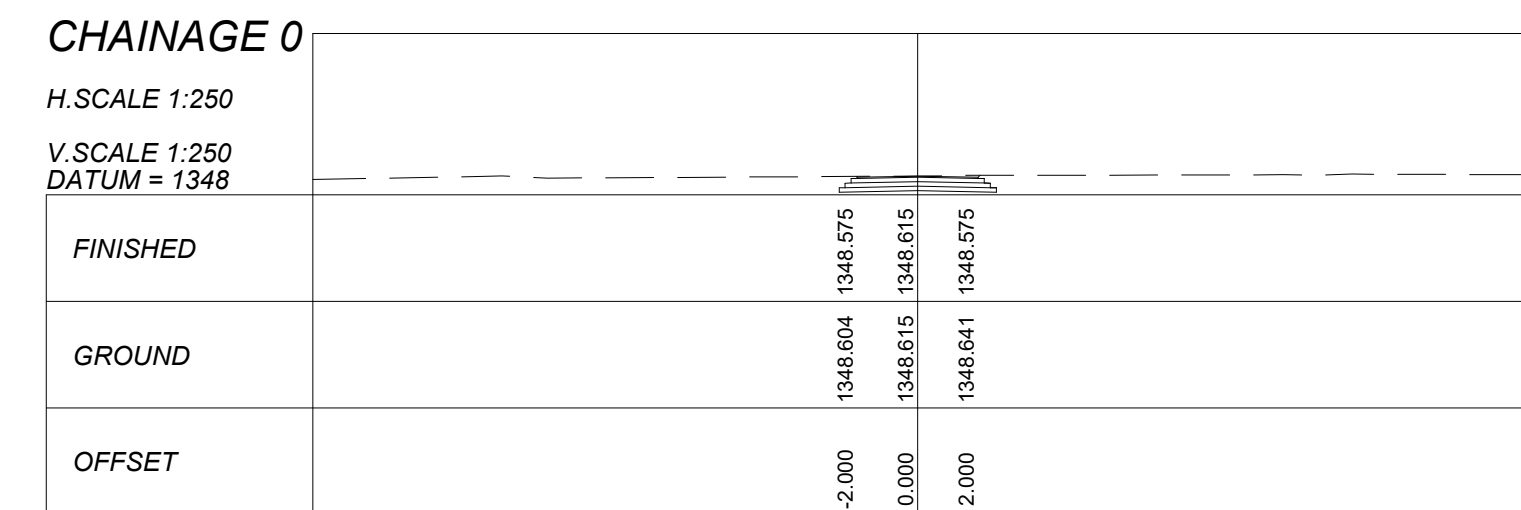
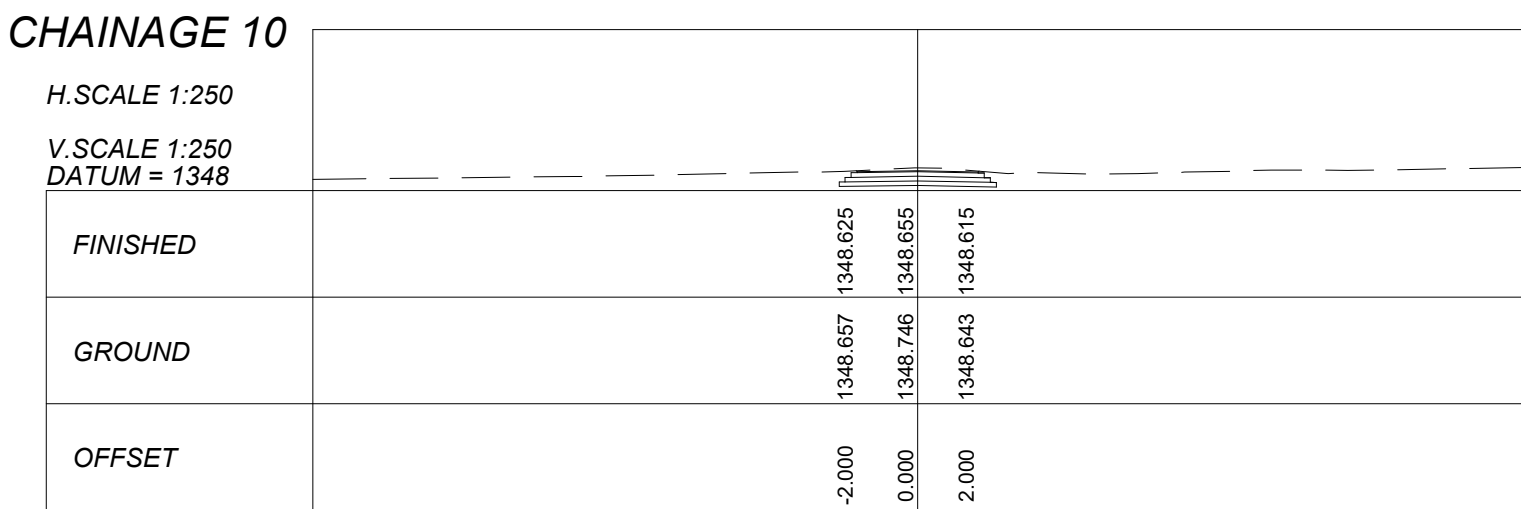
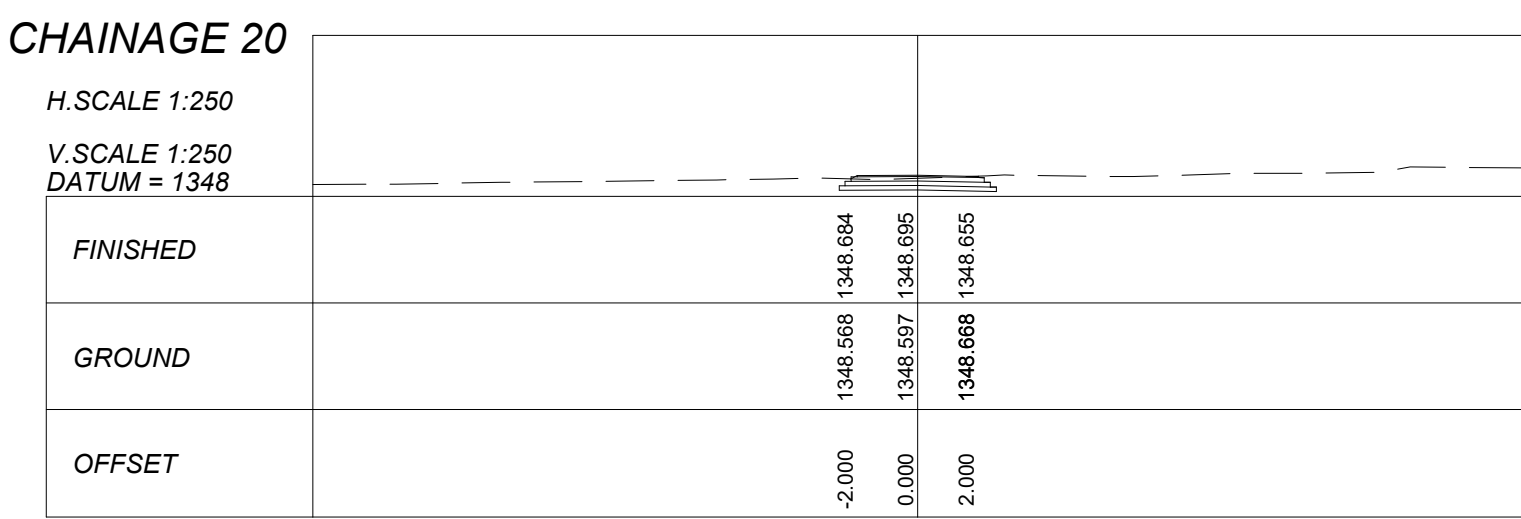
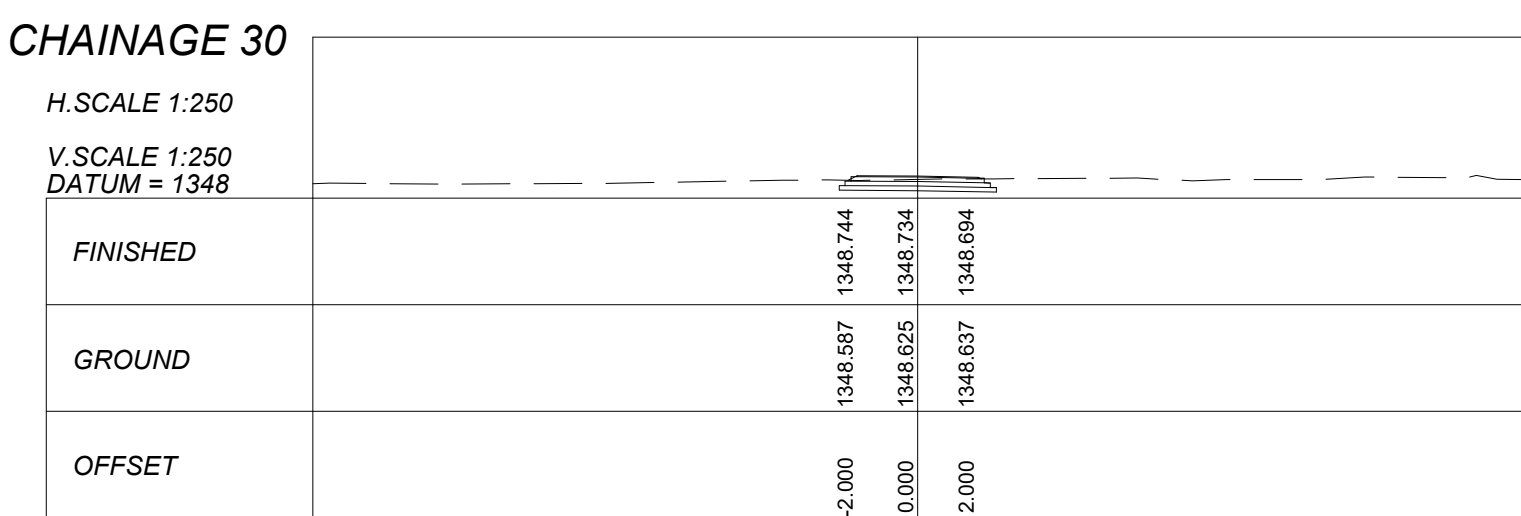
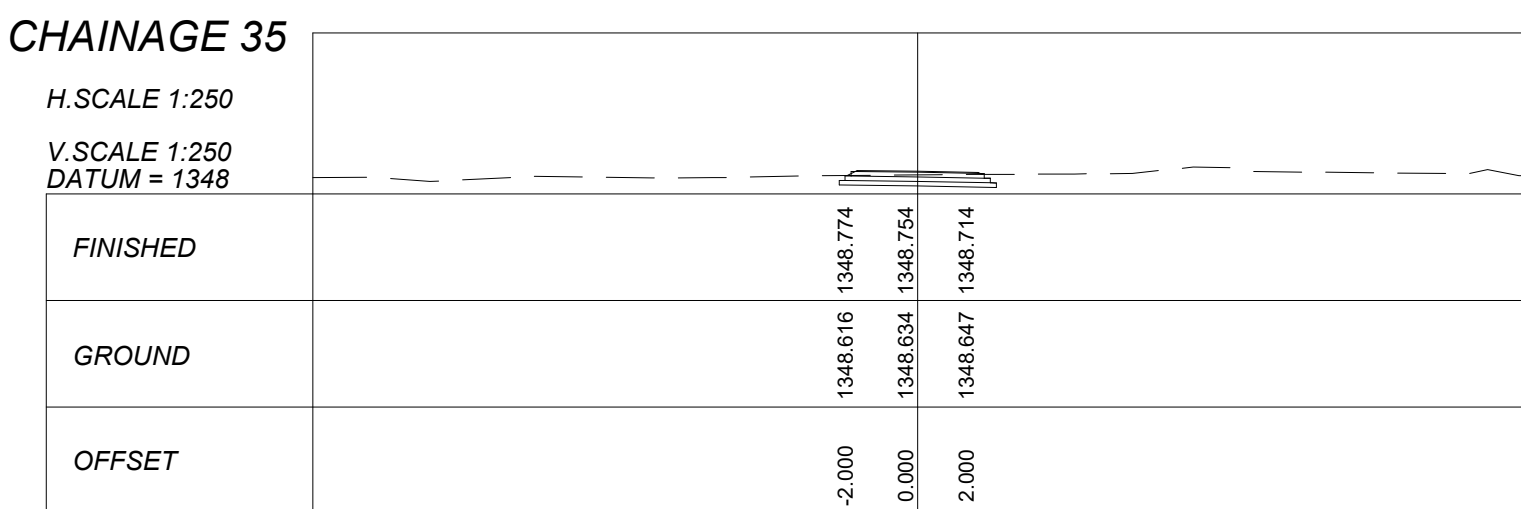
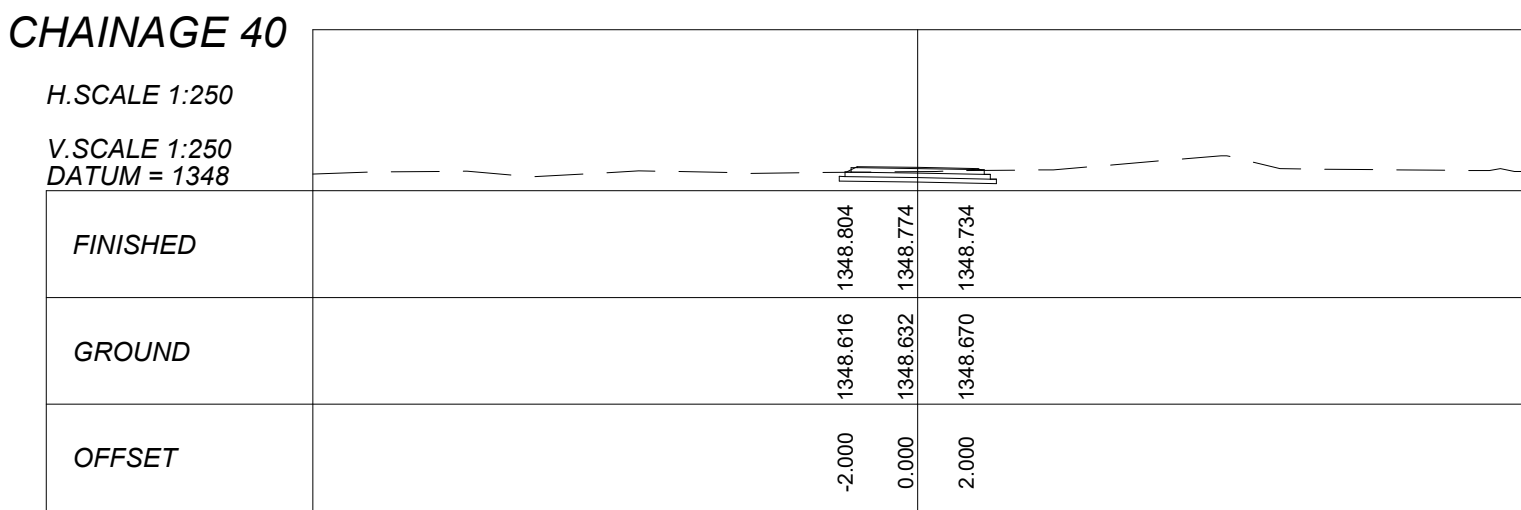
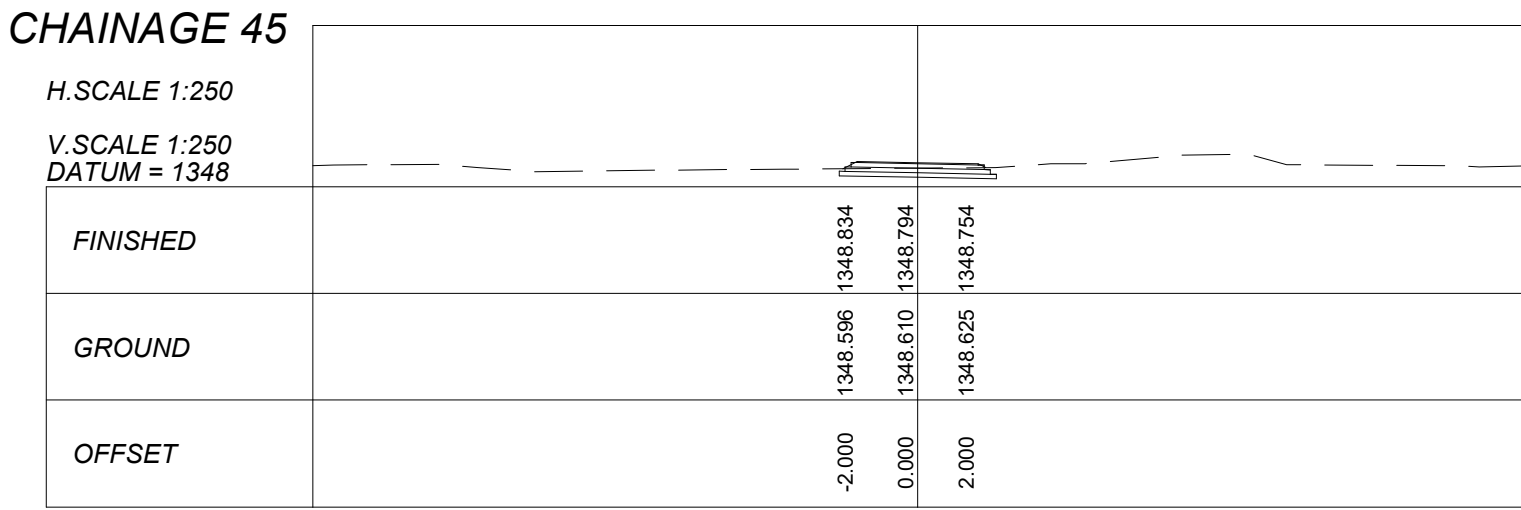
PROJECT DESCRIPTION
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WATER LINE AND SERVICE ROADS PROJECT FOR A PERIOD
AT BRAM FISCHER INTERNATIONAL AIRPORT

DISCIPLINE
ROADS & TRANSPORT

DRAWING DESCRIPTION

ROAD CROSS SECTIONS
RESERVOIR ACCESS RD
SHEET 3 OF 3

DESIGNED BY: M. MTHETHTWA	SIGNATURE AND DATE: 16-04-2026	
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026	
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026	
PROJECT NO: 7089	DATE 16-04-2026	
DRAWING NO GP05-24-ACSA-518-3		
SCALE AS SHOWN	SHEET SIZE A1	REVISION F1



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INTERNATIONAL AIRPORT
AIRPORTS COMPANY SOUTH AFRICA

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AT BRAM FISCHER INTERNATIONAL AIRPORT

DISCIPLINE
ROADS & TRANSPORT

DRAWING DESCRIPTION
ROAD CROSS SECTIONS
WORKSHOP RD
SHEET 1 OF 3

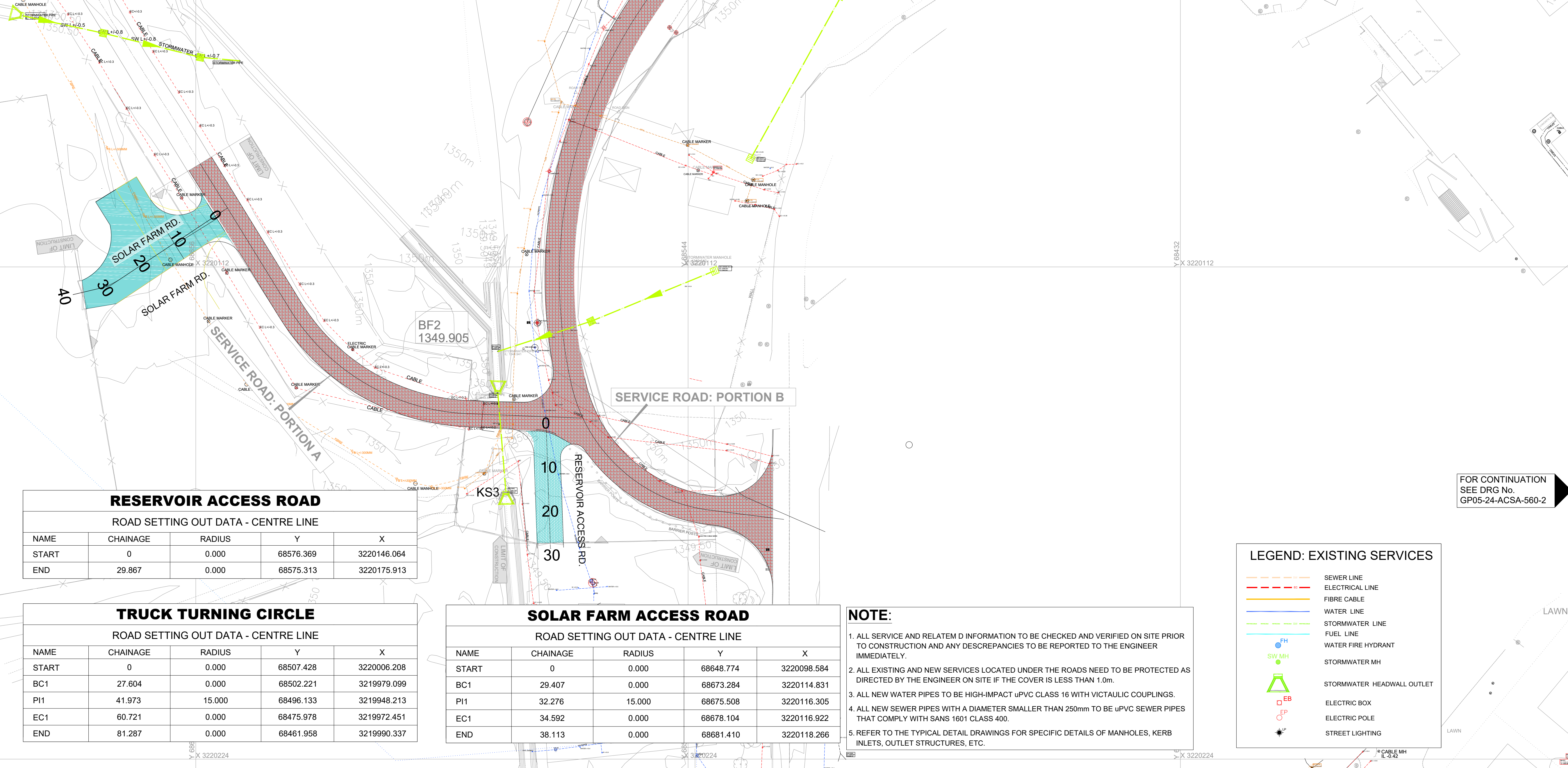
DESIGNED BY: M. MTHETHTWA	SIGNATURE AND DATE: 16-04-2026
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PROJECT NO: 7089	DATE 16-04-2026

DRAWING NO
GP05-24-ACSA-518-1

SCALE AS SHOWN	SHEET SIZE A1	REVISION F1
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BENCH MARKS Lo29/WGS84			
NAME	Y	X	Z
AP3	68418.430	3219985.055	1349.812
AP2	68319.241	3220013.187	1349.214
AP1	68270.265	3220076.902	1349.186
KS1	68278.858	3220203.668	1348.892
KS3	68585.094	3220163.208	1350.194
KS4	68545.679	3220447.730	1349.565
KS7	68574.075	3221507.896	1347.822
KS6	68526.681	3221022.513	1349.680
KS5	68528.210	3220688.093	1350.019

LEGEND:	
	EXISTING ASPHALT
	PROPOSED ASPHALT TO BE REHABILITATED
	PROPOSED NEW 80mm PAVING
	PROPOSED NEW ASPHALT
	PROPOSED S/W PIPE
	PROPOSED S/W OPEN CHANNEL (EARTH/ PRECAST/LINED)
	PROPOSED S/W SLOTTED DRAIN
	EXISTING HEADWALL
	EXISTING MANHOLE/GRID INLET/FIELD INLET
	PROPOSED PRECAST CONCRETE BOLLARD



RESERVOIR ACCESS ROAD				
ROAD SETTING OUT DATA - CENTRE LINE				
NAME	CHAINAGE	RADIUS	Y	X
START	0	0.000	68576.369	3220146.064
END	29.867	0.000	68575.313	3220175.913

TRUCK TURNING CIRCLE				
ROAD SETTING OUT DATA - CENTRE LINE				
NAME	CHAINAGE	RADIUS	Y	X
START	0	0.000	68507.428	3220006.208
BC1	27.604	0.000	68502.221	3219979.099
PI1	41.973	15.000	68496.133	3219948.213
EC1	60.721	0.000	68475.978	3219972.451
END	81.287	0.000	68461.958	3219990.337

SOLAR FARM ACCESS ROAD				
ROAD SETTING OUT DATA - CENTRE LINE				
NAME	CHAINAGE	RADIUS	Y	X
START	0	0.000	68648.774	3220098.584
BC1	29.407	0.000	68673.284	3220114.831
PI1	32.276	15.000	68675.508	3220116.305
EC1	34.592	0.000	68678.104	3220116.922
END	38.113	0.000	68681.410	3220118.266

- NOTE:**
- ALL SERVICE AND RELATEM D INFORMATION TO BE CHECKED AND VERIFIED ON SITE PRIOR TO CONSTRUCTION AND ANY DESCREPARNCIES TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
 - ALL EXISTING AND NEW SERVICES LOCATED UNDER THE ROADS NEED TO BE PROTECTED AS DIRECTED BY THE ENGINEER ON SITE IF THE COVER IS LESS THAN 1.0m.
 - ALL NEW WATER PIPES TO BE HIGH-IMPACT uPVC CLASS 16 WITH VICTAULIC COUPLINGS.
 - ALL NEW SEWER PIPES WITH A DIAMETER SMALLER THAN 250mm TO BE uPVC SEWER PIPES THAT COMPLY WITH SANS 1601 CLASS 400.
 - REFER TO THE TYPICAL DETAIL DRAWINGS FOR SPECIFIC DETAILS OF MANHOLES, KERB INLETS, OUTLET STRUCTURES, ETC.

LEGEND: EXISTING SERVICES	
	SEWER LINE
	ELECTRICAL LINE
	FIBRE CABLE
	WATER LINE
	STORMWATER LINE
	FUEL LINE
	WATER FIRE HYDRANT
	STORMWATER MH
	STORMWATER HEADWALL OUTLET
	ELECTRIC BOX
	ELECTRIC POLE
	STREET LIGHTING

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DISCIPLINE
ROADS & TRANSPORT

DRAWING DESCRIPTION

EXISTING SERVICES LAYOUT PLAN SHEET 1 OF 3

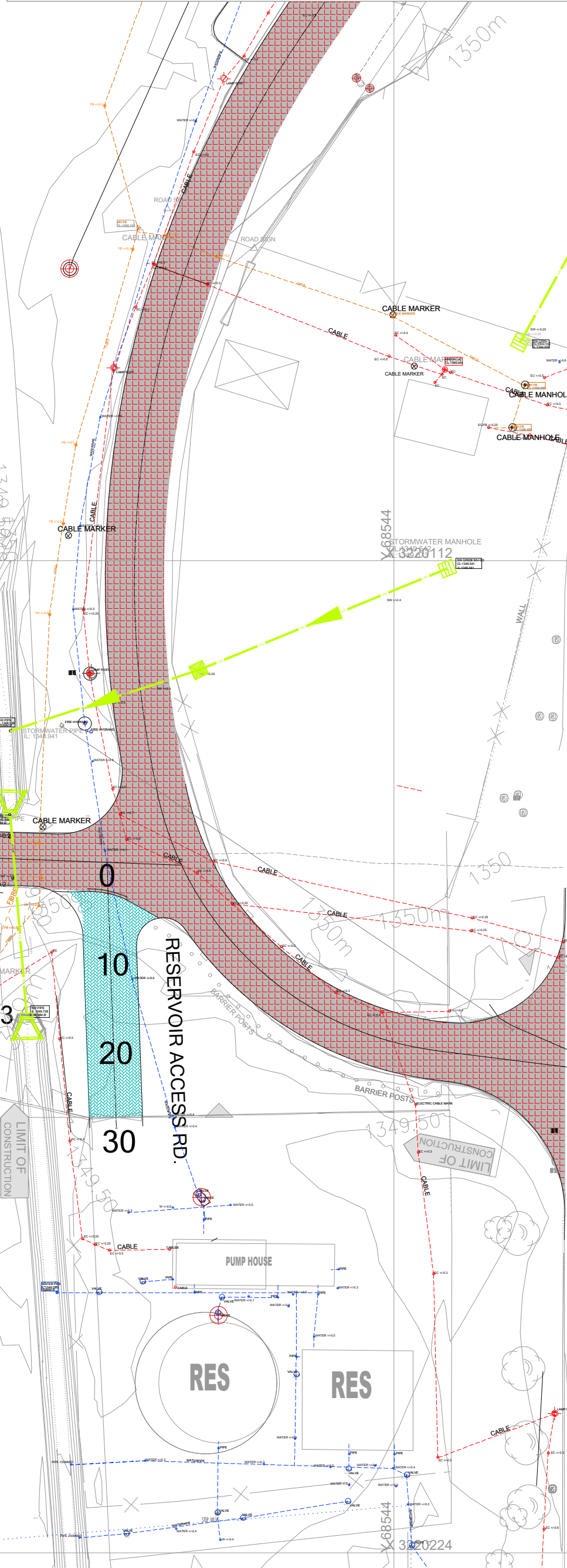
DESIGNED BY: M. MTHETHWA	SIGNATURE AND DATE: 16-04-2026
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
PROJECT NO: 7089	DATE 16-04-2026

DRAWING NO
GP05-24-ACSA-560-1

SCALE	SHEET SIZE	REVISION
1:500	A1	F1

BENCH MARKS Lo29/WGS84			
NAME	Y	X	Z
AP3	68418.430	3219985.055	1349.812
AP2	68319.241	3220013.187	1349.214
AP1	68270.265	3220076.902	1349.186
KS1	68278.858	3220203.668	1348.892
KS3	68585.094	3220163.208	1350.194
KS4	68545.679	3220447.730	1349.565
KS7	68574.075	3221507.896	1347.822
KS6	68526.681	3221022.513	1349.680
KS5	68528.210	3220688.093	1350.019

LEGEND:	
	EXISTING ASPHALT
	PROPOSED ASPHALT TO BE REHABILITATED
	PROPOSED NEW 80mm PAVING
	PROPOSED NEW ASPHALT
	PROPOSED S/W PIPE
	PROPOSED S/W OPEN CHANNEL (EARTH/ PRECAST/LINED)
	PROPOSED S/W SLOTTED DRAIN
	EXISTING HEADWALL
	EXISTING MANHOLE/GRID INLET/FIELD INLET
	PROPOSED PRECAST CONCRETE BOLLARD



RESERVOIR ACCESS ROAD				
ROAD SETTING OUT DATA - CENTRE LINE				
NAME	CHAINAGE	RADIUS	Y	X
START	0	0.000	68576.369	3220146.064
END	29.867	0.000	68575.313	3220175.913

TRUCK TURNING CIRCLE				
ROAD SETTING OUT DATA - CENTRE LINE				
NAME	CHAINAGE	RADIUS	Y	X
START	0	0.000	68507.428	3220006.208
BC1	27.604	0.000	68502.221	3219979.099
PI1	41.973	15.000	68496.133	3219948.213
EC1	60.721	0.000	68475.978	3219972.451
END	81.287	0.000	68461.958	3219990.337

LEGEND: EXISTING SERVICES	
	SEWER LINE
	ELECTRICAL LINE
	FIBRE CABLE
	WATER LINE
	STORMWATER LINE
	FUEL LINE
	WATER FIRE HYDRANT
	STORMWATER MH
	STORMWATER HEADWALL OUTLET
	ELECTRIC BOX
	ELECTRIC POLE
	STREET LIGHTING

NOTE:

1. ALL SERVICE AND RELATEM D INFORMATION TO BE CHECKED AND VERIFIED ON SITE PRIOR TO CONSTRUCTION AND ANY DESCREANCIES TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
2. ALL EXISTING AND NEW SERVICES LOCATED UNDER THE ROADS NEED TO BE PROTECTED AS DIRECTED BY THE ENGINEER ON SITE IF THE COVER IS LESS THAN 1.0m.
3. ALL NEW WATER PIPES TO BE HIGH-IMPACT uPVC CLASS 16 WITH VICTAULIC COUPLINGS.
4. ALL NEW SEWER PIPES WITH A DIAMETER SMALLER THAN 250mm TO BE uPVC SEWER PIPES THAT COMPLY WITH SANS 1601 CLASS 400.
5. REFER TO THE TYPICAL DETAIL DRAWINGS FOR SPECIFIC DETAILS OF MANHOLES, KERB INLETS, OUTLET STRUCTURES, ETC.

FOR CONTINUATION
SEE DRG No.
GP05-24-ACSA-560-3

GENERAL NOTES:

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5. DO NOT SCALE FOR MEASUREMENTS FROM DRAWINGS. ALL DIMENSIONS MUST BE CHECKED ON SITE.
6. ALL BENCHMARKS TO BE CONFIRMED ON SITE.

REVISION INFORMATION

No:	DATE	DESCRIPTION:	BY
F1	16-04-2026	ISSUED FOR TENDER	

CLIENT



CONSULTANT



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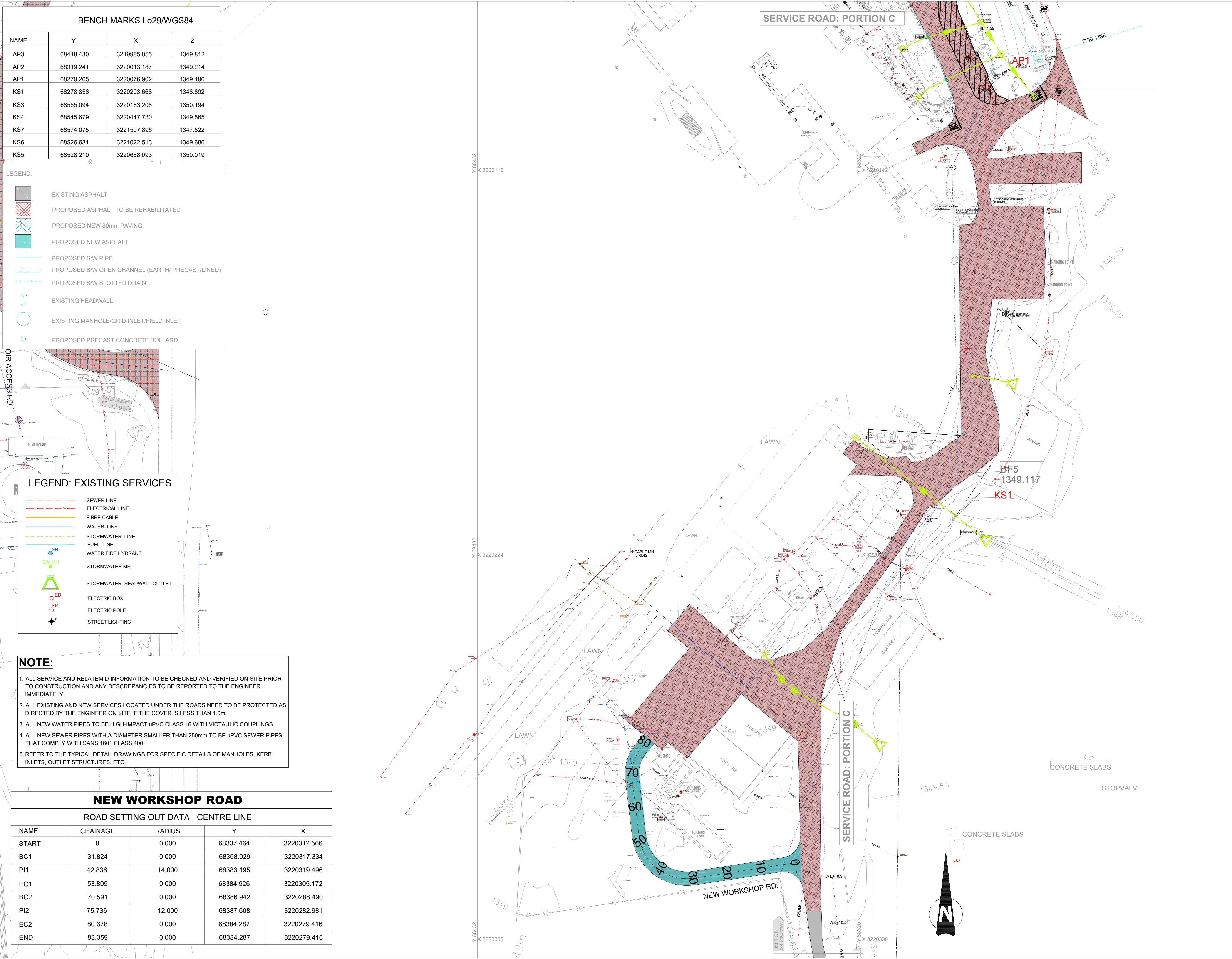
PROJECT DESCRIPTION
ENGINEERING SERVICES FOR THE UNDERGROUND MAIN WATER LINE AND SERVICE ROADS PROJECT FOR A PERIOD AT BRAM FISCHER INTERNATIONAL AIRPORT

DISCIPLINE ROADS & TRANSPORT

DRAWING DESCRIPTION

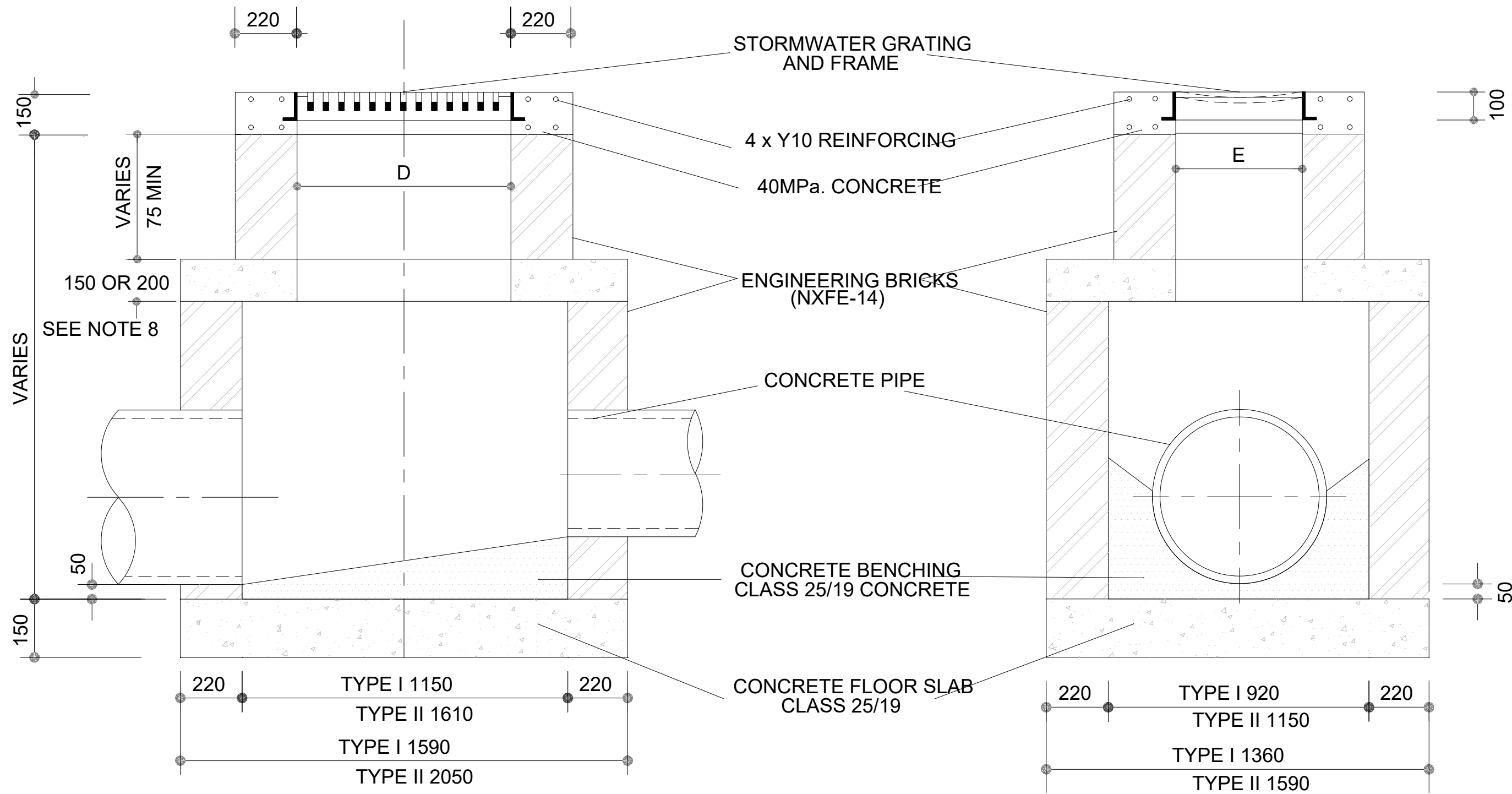
EXISTING SERVICES LAYOUT PLAN SHEET 2 OF 3

DESIGNED BY: M. MTHETHWA	SIGNATURE AND DATE: 16-04-2026
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
PROJECT NO: 7089	DATE 16-04-2026
DRAWING NO GP05-24-ACSA-560-2	
SCALE N.T.S	SHEET SIZE A1
	REVISION F1



NOTES:

- 1.BRICKS TO BE ENGINEERING UNITS (NXFE-14) AS PER SABS 227
- 2.ALL GRATES AND FRAMES TO COMPLY WITH SABS 558
- 3. TYPE AND CLASS OF PIPE AS SPECIFIED ON LAYOUT DRAWING
- 4.SIZE OF GRID AS SPECIFIED ON LAYOUT DRAWING
- 5 FOR PIPES UP TO 675mm DIAMETER USE TYPE I MANHOLE
- 6 FOR PIPES 750 TO 900mm DIAMETER USE TYPE II MANHOLE
- 7 FOR PIPES 1050 TO 1350mm DIAMETER USE TYPE II MANHOLE TURNED THROUGH 90°
- 8 ROOF SLAB THICKNESS FOR:
TYPE I MANHOLE TO BE 150mm
TYPE II MANHOLE TO BE 200mm



SECTION

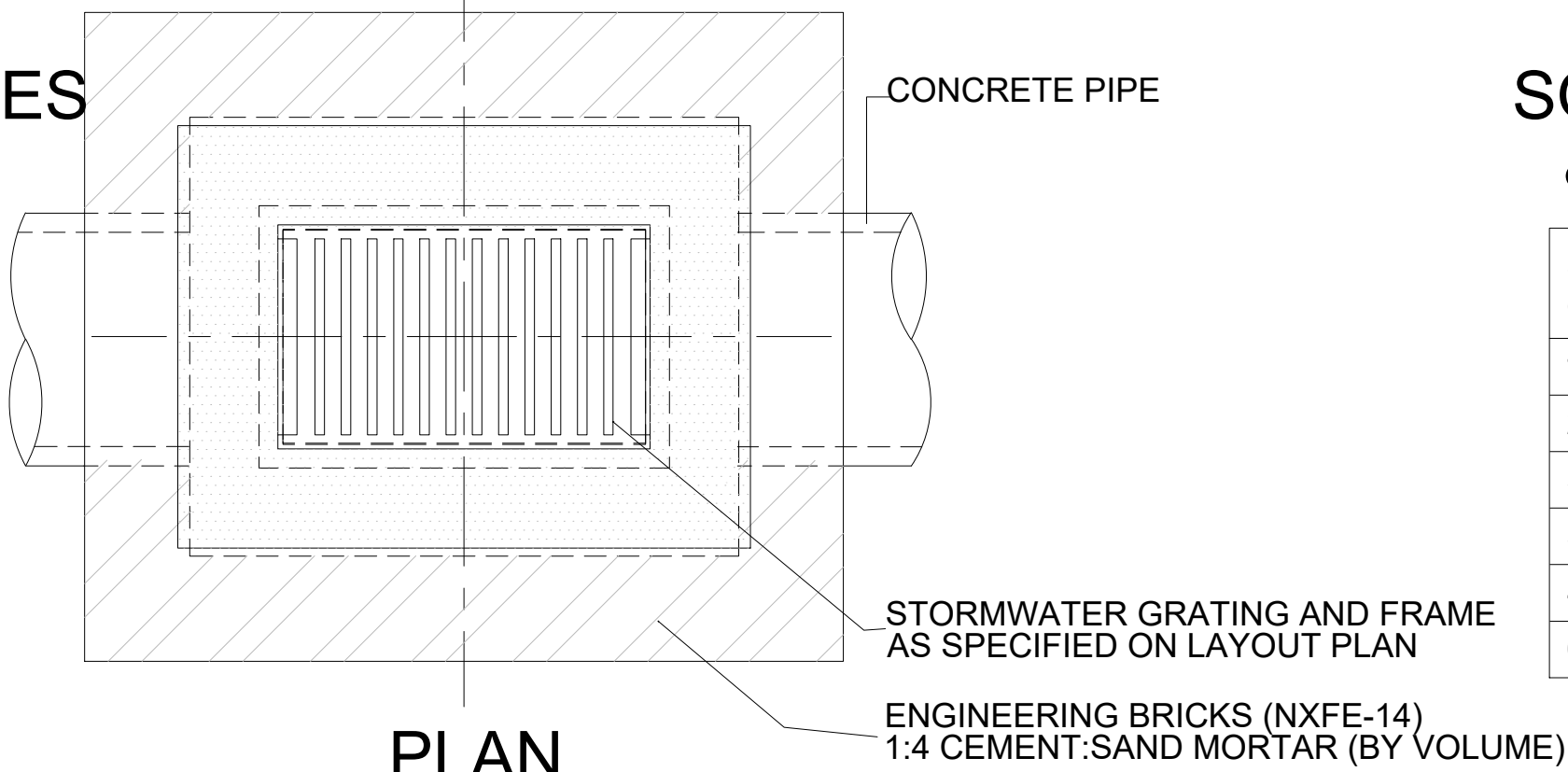
SECTION

STORMWATER GRATINGS & FRAMES

SIZE GROOTTE	TYPE TIPE	kg	D	E	TYPE TIPE
300x450	h/d	59	448	225	C
450x450	m/d	79	440	415	F
450x600	h/d	99	600	413	C
400x600	m/d	89	535	334	F
450x760	h/d	110	730	413	F
520x790	h/d	130	720	470	C
550x550	m/d	130	545	515	F

m/d = MEDIUM DUTY
h/d = HEAVY DUTY

F = FLAT
C = CONCAVE

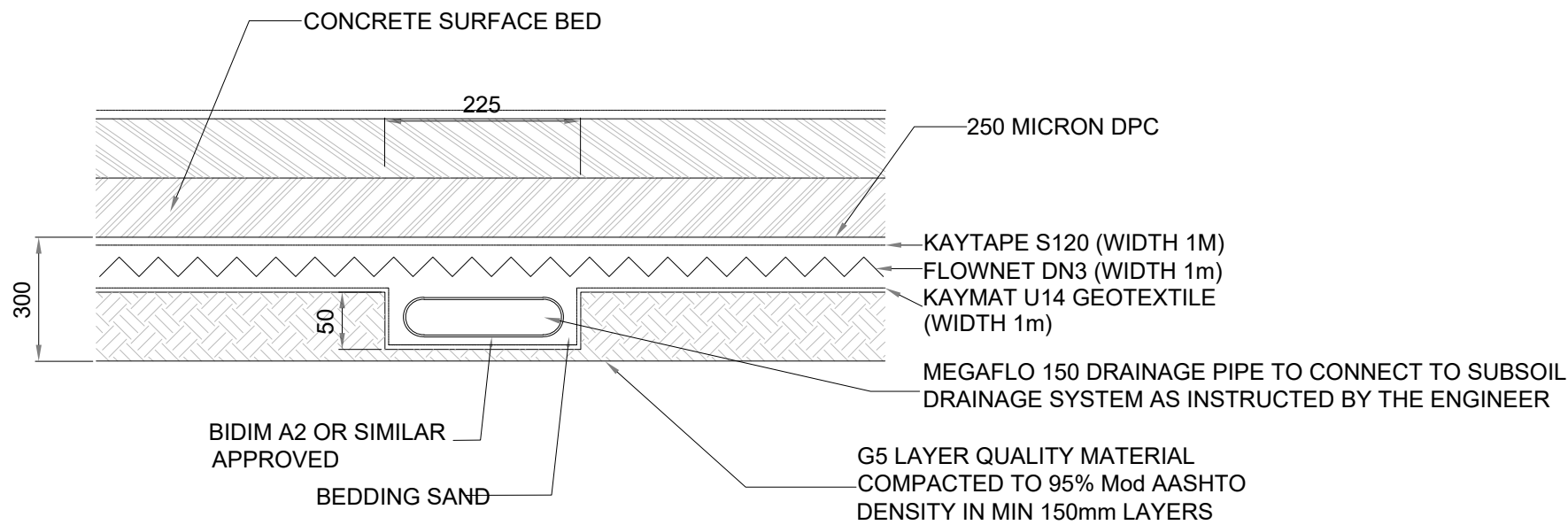


PLAN

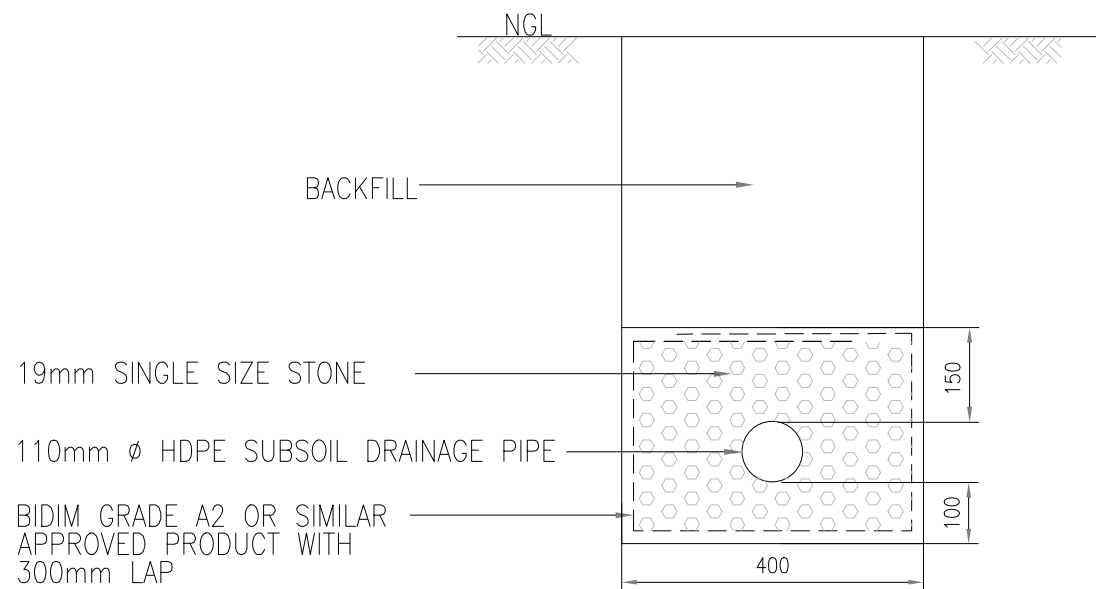
SQUARE DISHED GRATINGS & FRAMES-LIGHT DUTY

SIZE GROOTTE	TYPE TIPE	D	E
150x150	2	150	150
230x230	7	230	230
300x300	9	308	308
380x380	19	382	382
450x450	26	454	454
600x600	60	610	610

TYPICAL SHALLOW GRID INLET DETAILS
NTS



TYPICAL SHALLOW SUBSOIL
DRAINAGE BELOW LAYERWORKS
NTS



TYPICAL SUB SOIL DRAIN DETAIL
NTS

TYPICAL SLOTTED DRAIN
DIMENSIONS
NTS

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- 5. DO NOT SCALE FOR MEASUREMENTS FROM DRAWINGS. ALL DIMENSIONS MUST BE CHECKED ON SITE.
- 6. ALL BENCHMARKS TO BE CONFIRMED ON SITE.

REVISION INFORMATION

No:	DATE	DESCRIPTION:	BY
F1	16-04-2026	ISSUED FOR TENDER	

CLIENT



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PROJECT DESCRIPTION
ENGINEERING SERVICES FOR THE UNDERGROUND MAIN
WATER LINE AND SERVICE ROADS PROJECT FOR A PERIOD
AT BRAM FISCHER INTERNATIONAL AIRPORT

DISCIPLINE
ROADS & TRANSPORT

DRAWING DESCRIPTION

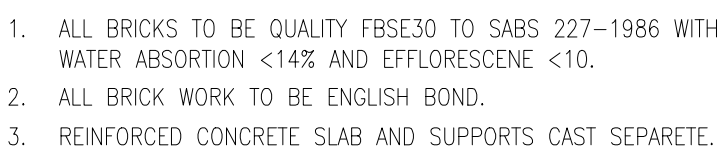
STORMWATER DETAILS
SHEET 1 OF 3

DESIGNED BY: M. MTHETHWA	SIGNATURE AND DATE: 16-04-2026
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
PROJECT NO: 7089	DATE 16-04-2026

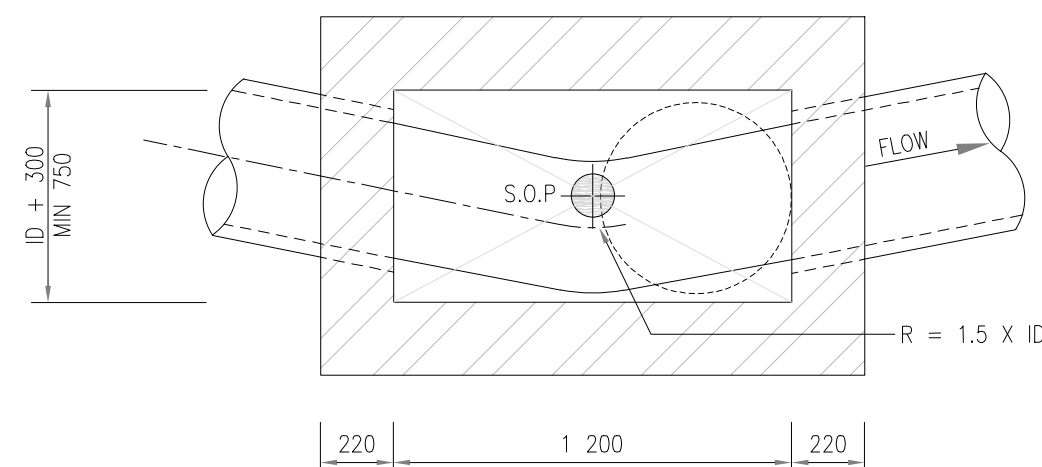
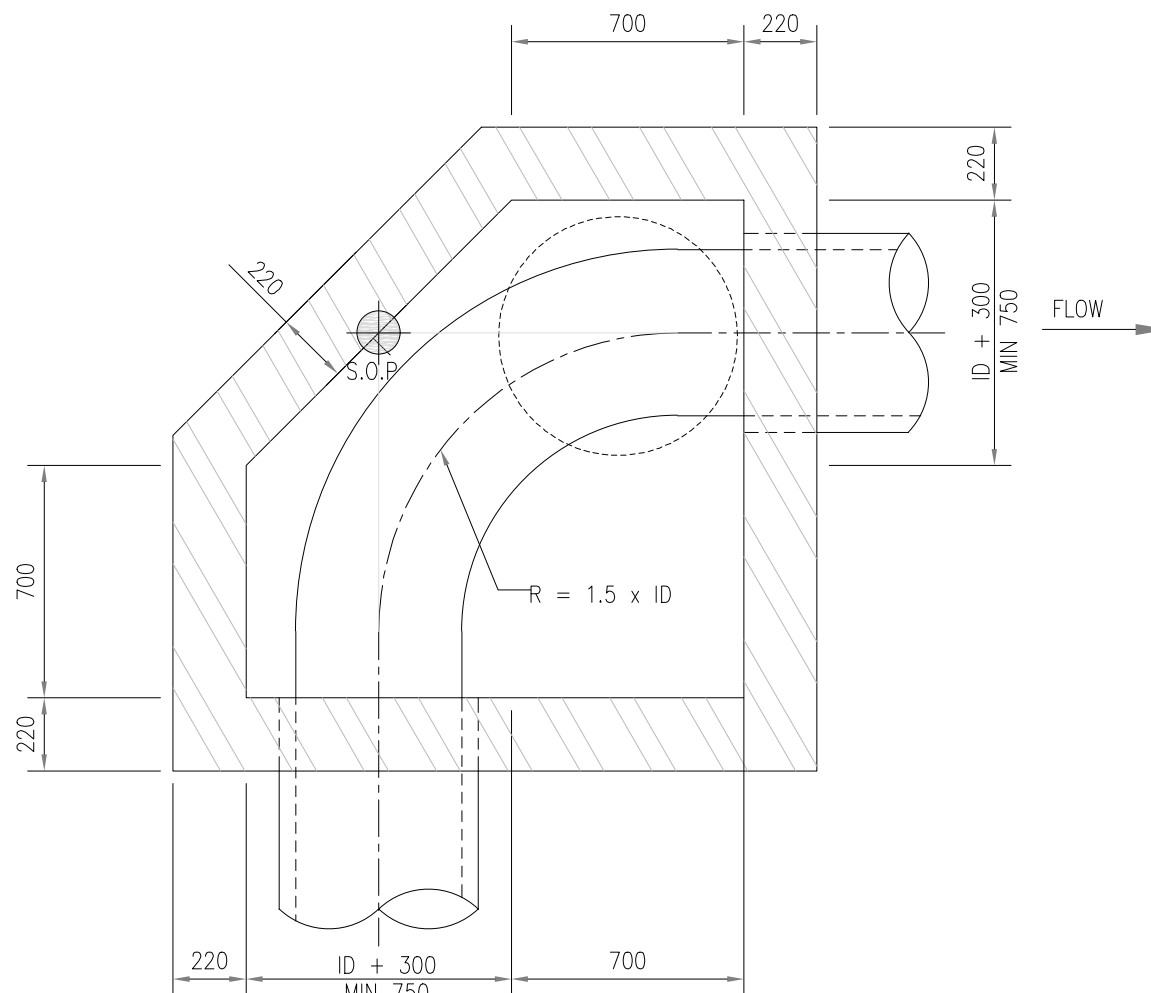
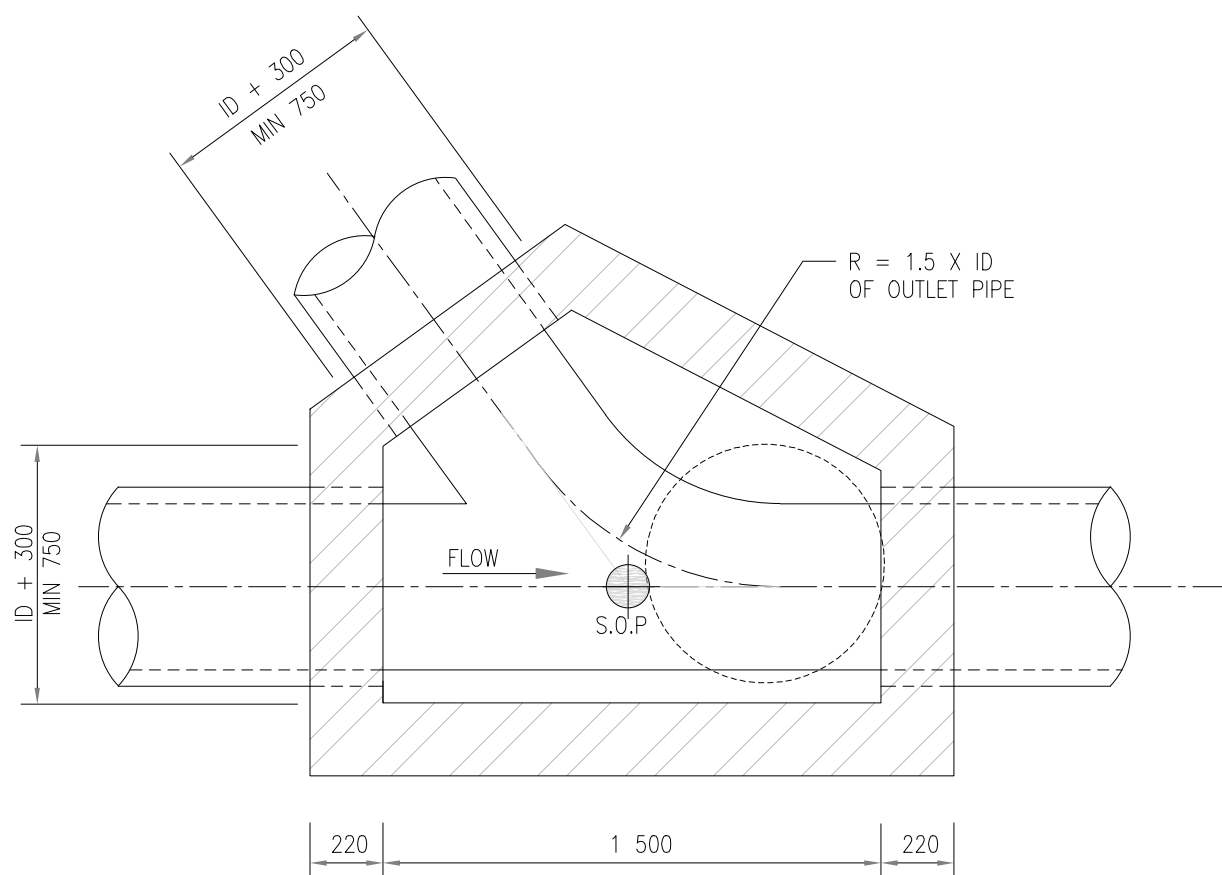
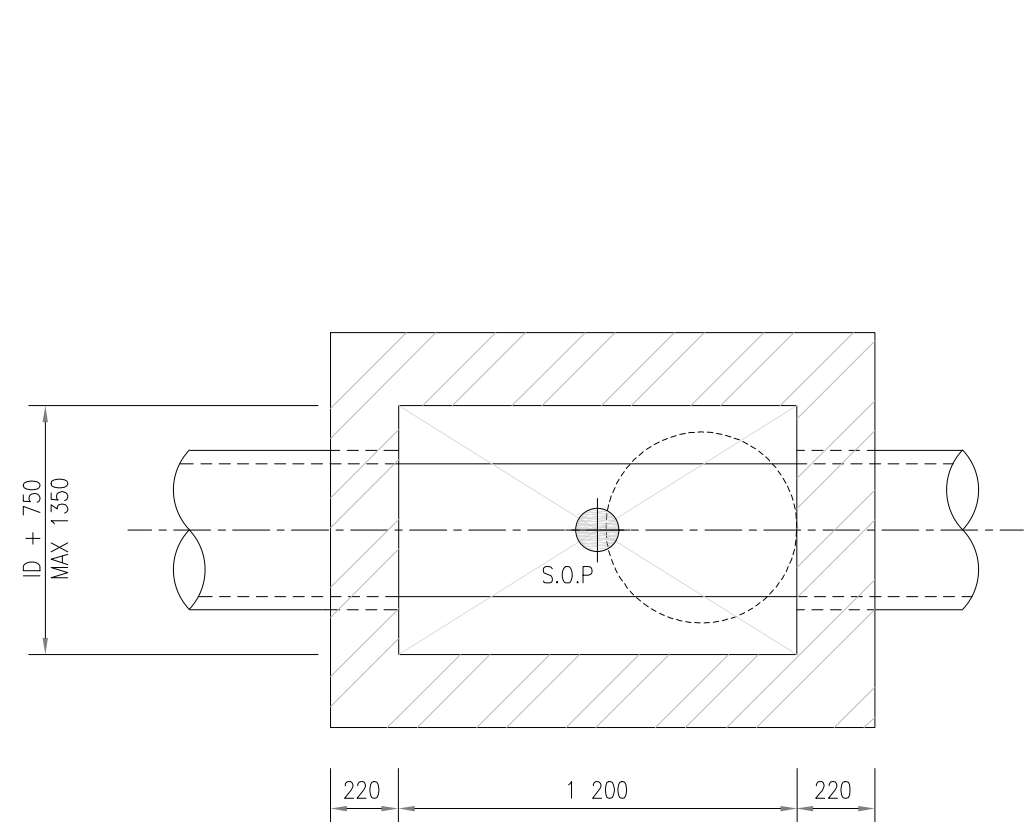
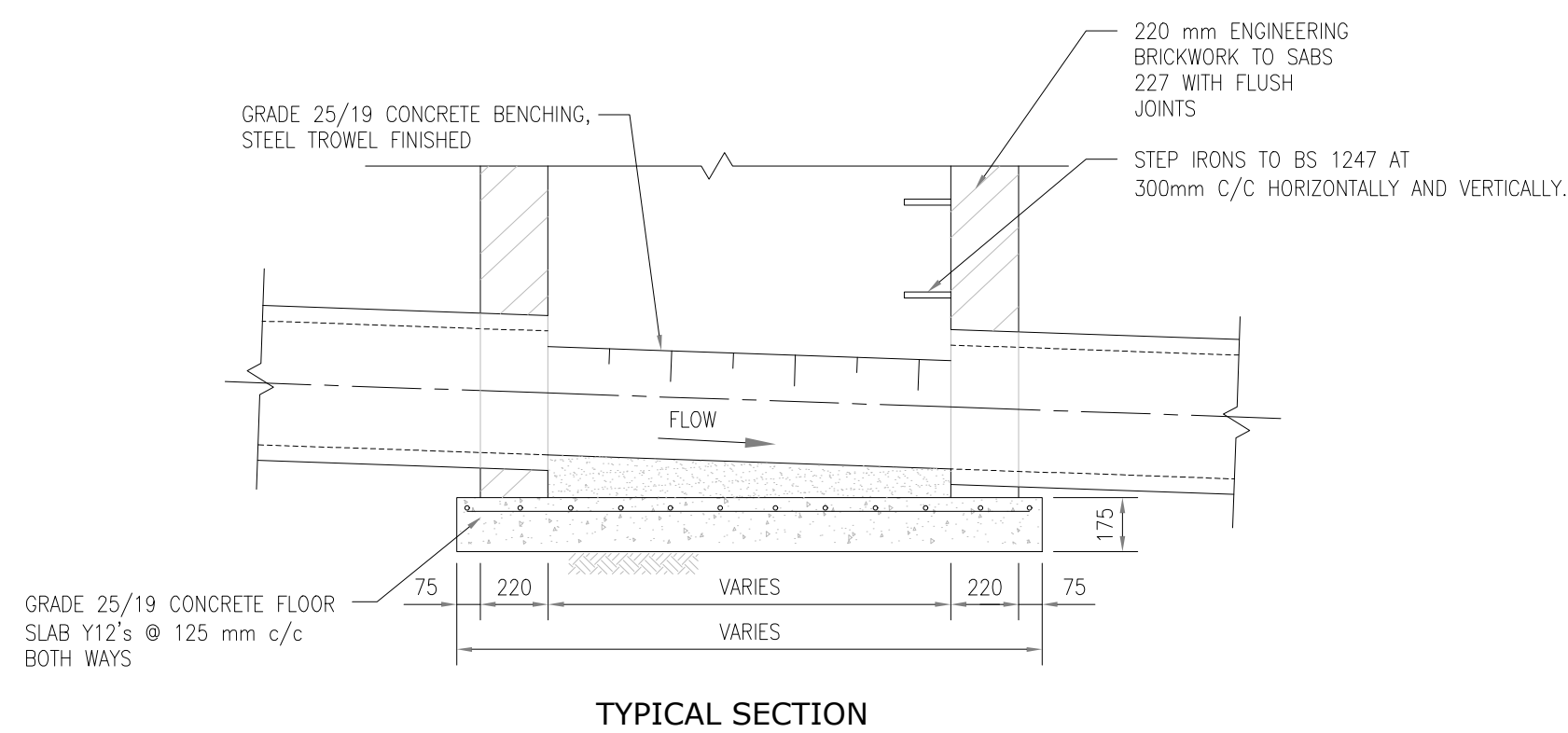
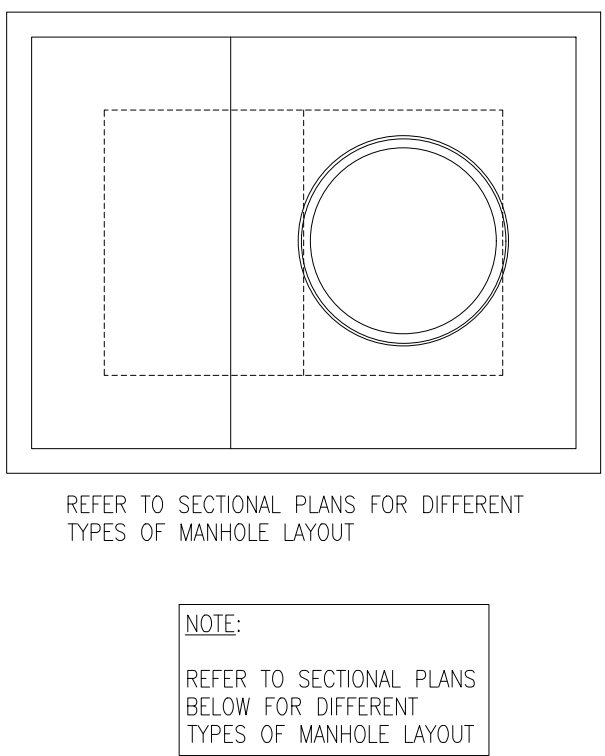
DRAWING NO

GP05-24-ACSA-580-1

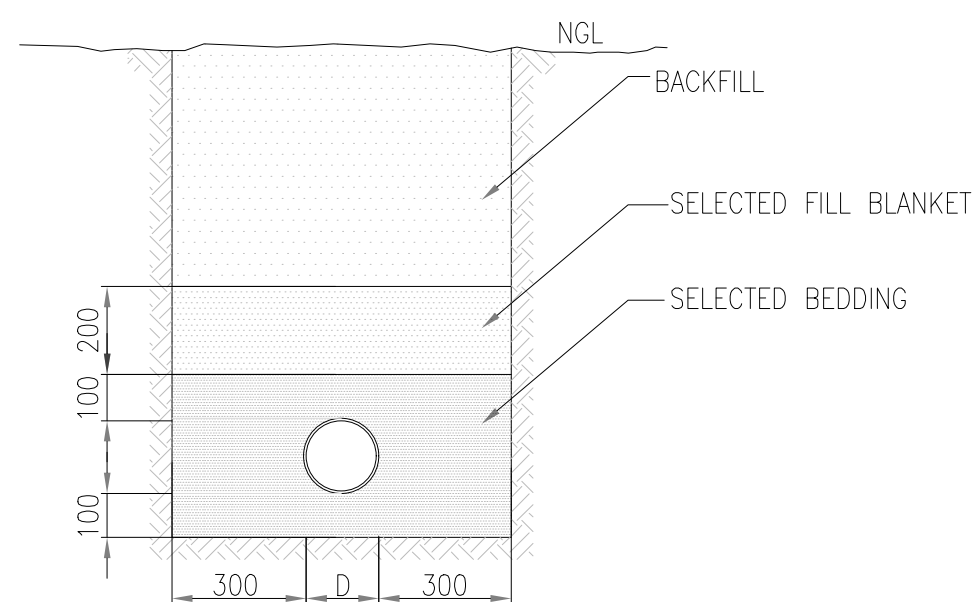
SCALE	SHEET SIZE	REVISION
N.T.S	A1	F1



SCALE	SHEET SIZE	REVISION
N.T.S	A1	F1



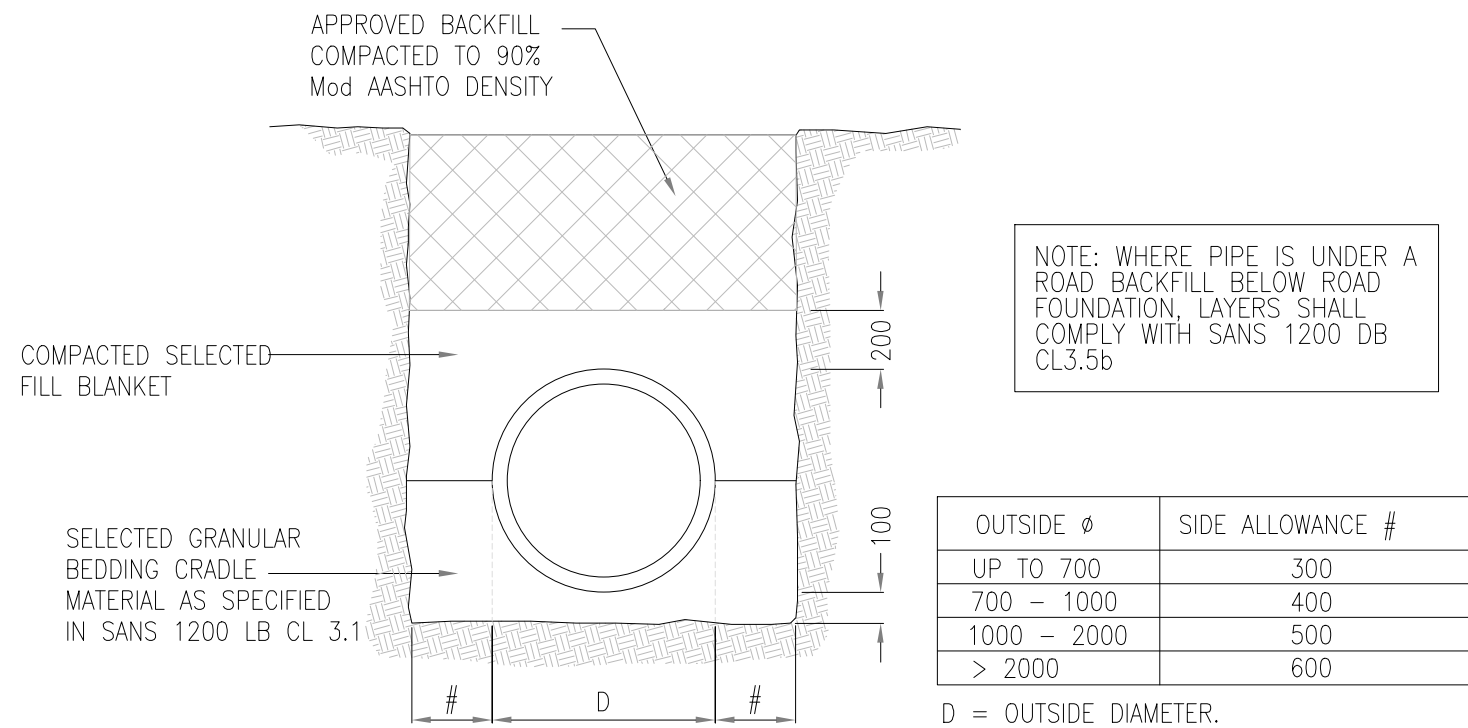
MANHOLE FOR PRECAST CONCRETE PIPE CULVERT
NTS



BEDDING AND BACKFILL		
MATERIAL	DESCRIPTION	COMPACTION
BACKFILL	SANS 1200 DB CL 3.5	150 mm LAYERS 90% Mod AASHTO. BACKFILLING IN STANDS/ERVEN TO BE SELECTED EXCAVATED MATERIAL BACKFILLING UNDER TRAFFIC AREAS TO BE IMPORTED MATERIAL COMPLYING WITH SANS 1200 DB CL3.5
SELECTED FILL BLANKET	SANS 1200 LB CL 5.3 b)	IN 100 mm LAYERS 90% Mod AASHTO
SELECTED BEDDING	SANS 1200 LB CL 5.3 a)	90% Mod AASHTO DENSITY

MINIMUM COVER FOR STORMWATER PIPES	
APPLICATION	MIN DEPTH (mm)
UNDER TRAFFIC AREAS	1400
IN LANDSCAPED AREAS	1000

- NOTES:
1. SOCKETS OF PIPES SHALL BE ACCOMMODATED WITHIN THE SELECTED GRANULAR BEDDING MATERIAL
 2. WHERE PIPE IS UNDER A ROAD BACKFILL BELOW ROAD FOUNDATION, LAYERS SHALL COMPLY WITH SANS 1200 DB CL3.5b AND 5.7.2



- ## GENERAL NOTES:
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No:	DATE	DESCRIPTION:	B'Y
F1	16-04-2026	ISSUED FOR TENDER	

CLIENT



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AT BRAM FISCHER INTERNATIONAL AIRPORT

DISCIPLINE
ROADS & TRANSPORT

DRAWING DESCRIPTION

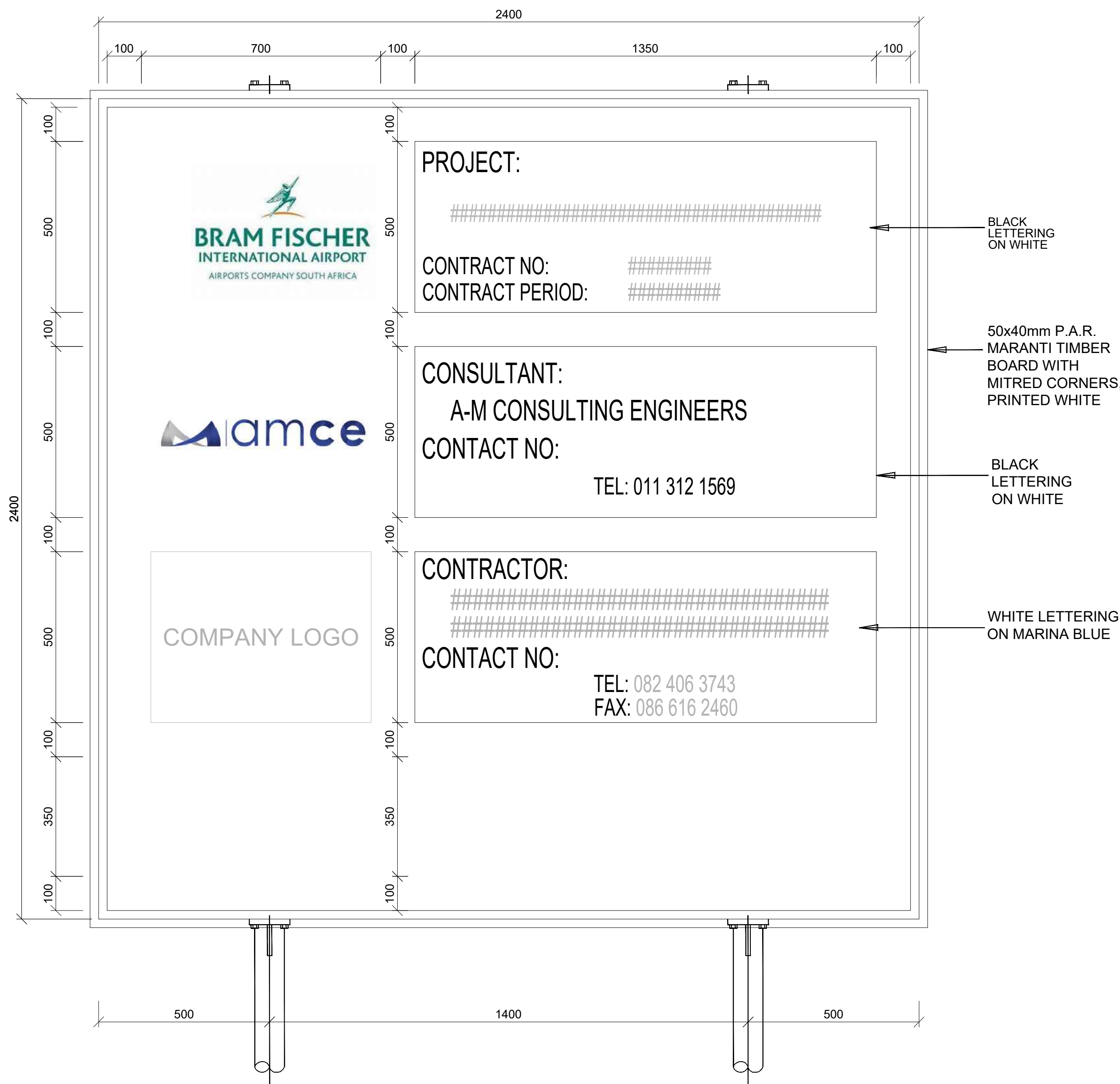
STORMWATER DETAILS
SHEET 3 OF 3

DESIGNED BY: M. MTHETHHTWA	SIGNATURE AND DATE: 16-04-2026
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
PROJECT NO: 7089	DATE 16-04-2026

DRAWING NO

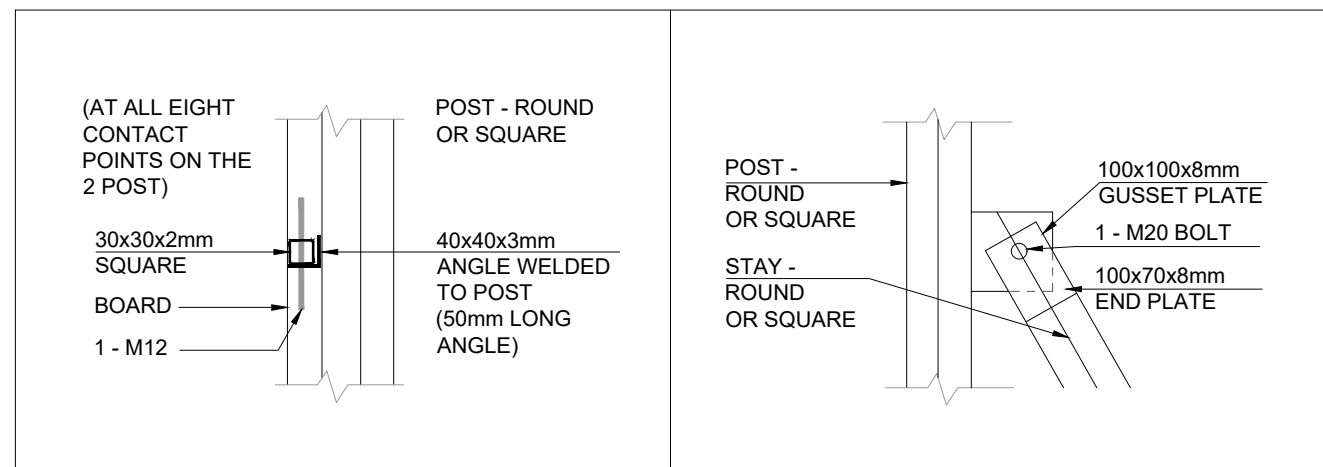
GP05-24-ACSA-580-3

SCALE	SHEET SIZE	REVISION
N.T.S	A1	F1



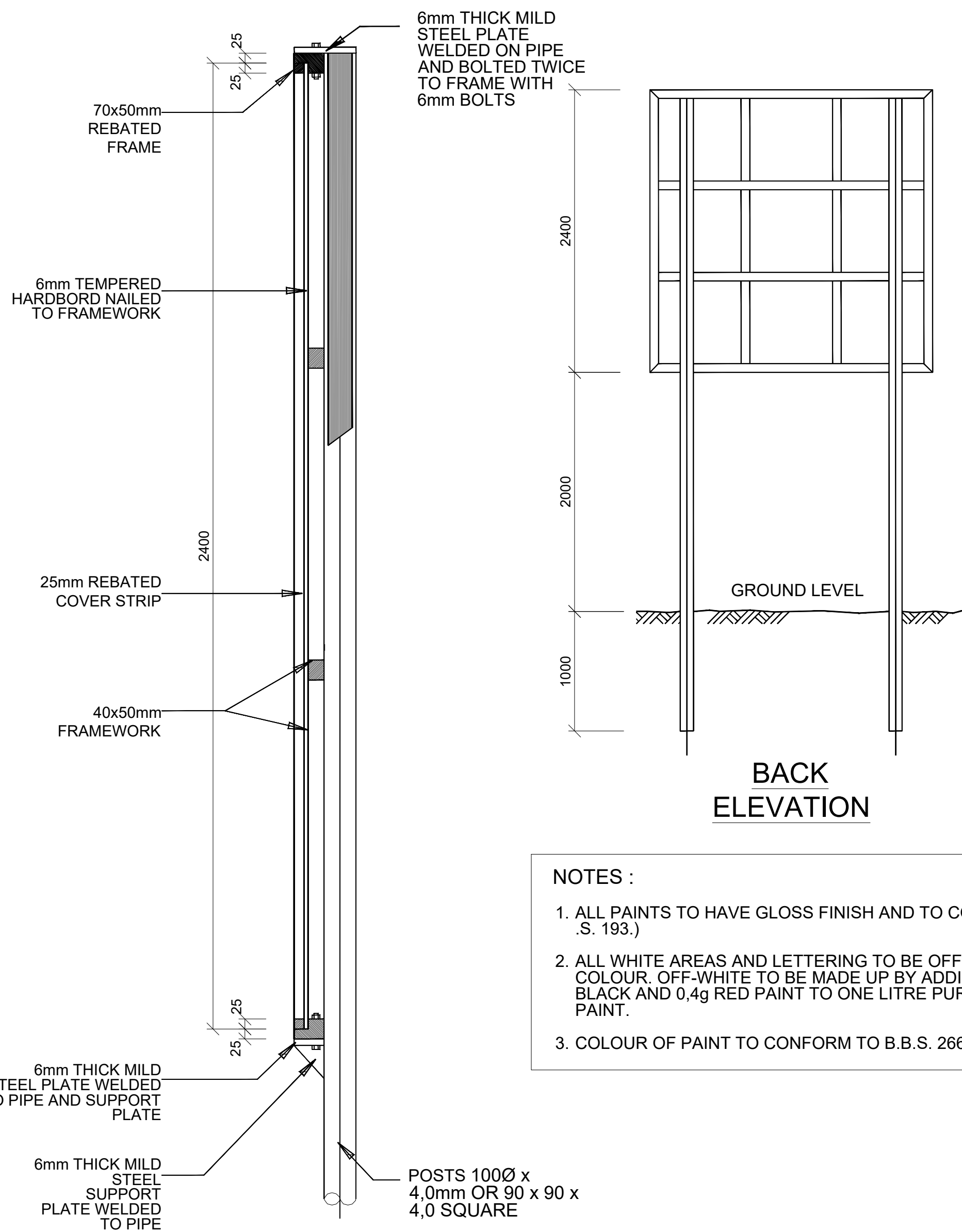
FRONT
ELEVATION

- NOTES :
1. ALL PAINTS TO HAVE GLOSS FINISH AND TO COMPLY IN .S. 193.)
 2. ALL WHITE AREAS AND LETTERING TO BE OFF-WHITE IN COLOUR. OFF-WHITE TO BE MADE UP BY ADDING 0,4g BLACK AND 0,4g RED PAINT TO ONE LITRE PURE WHITE PAINT.
 3. COLOUR OF PAINT TO CONFORM TO B.B.S. 2660 NO. 03.



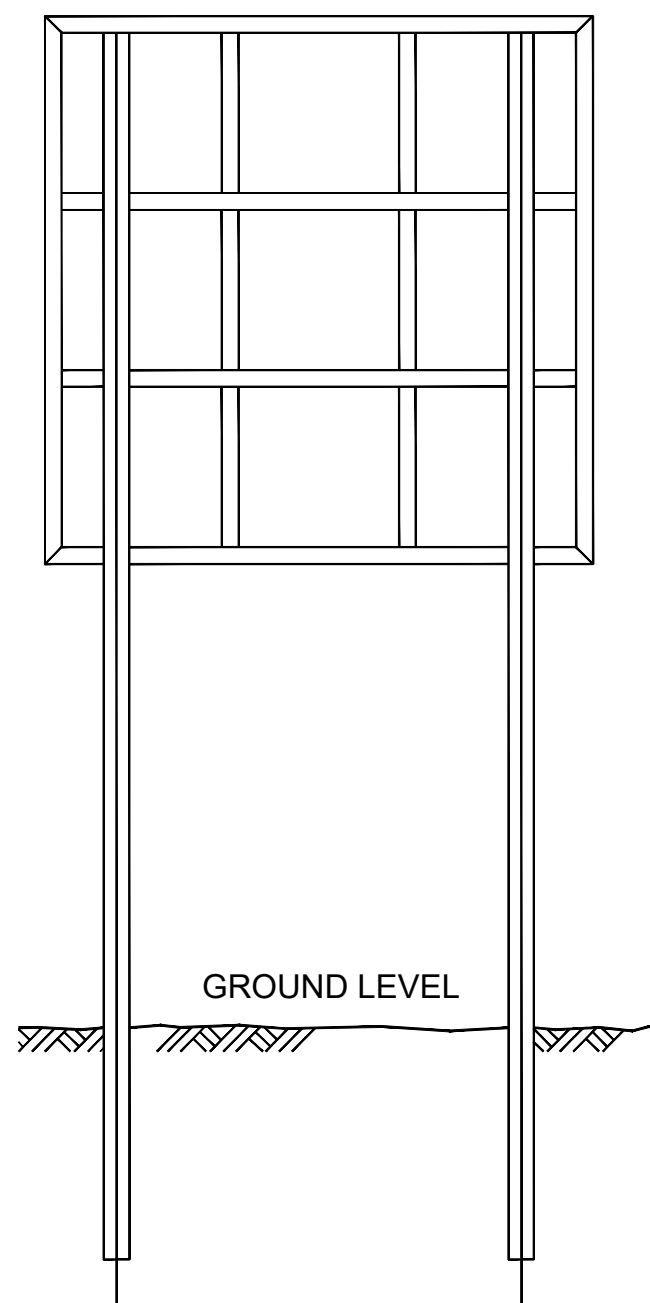
DETAIL 1

DETAIL 2



- NOTES :
1. ALL PAINTS TO HAVE GLOSS FINISH AND TO COMPLY IN .S. 193.)
 2. ALL WHITE AREAS AND LETTERING TO BE OFF-WHITE IN COLOUR. OFF-WHITE TO BE MADE UP BY ADDING 0,4g BLACK AND 0,4g RED PAINT TO ONE LITRE PURE WHITE PAINT.
 3. COLOUR OF PAINT TO CONFORM TO B.B.S. 2660 NO. 03.

SECTION



BACK
ELEVATION

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DISCIPLINE
ROADS & TRANSPORT

DRAWING DESCRIPTION

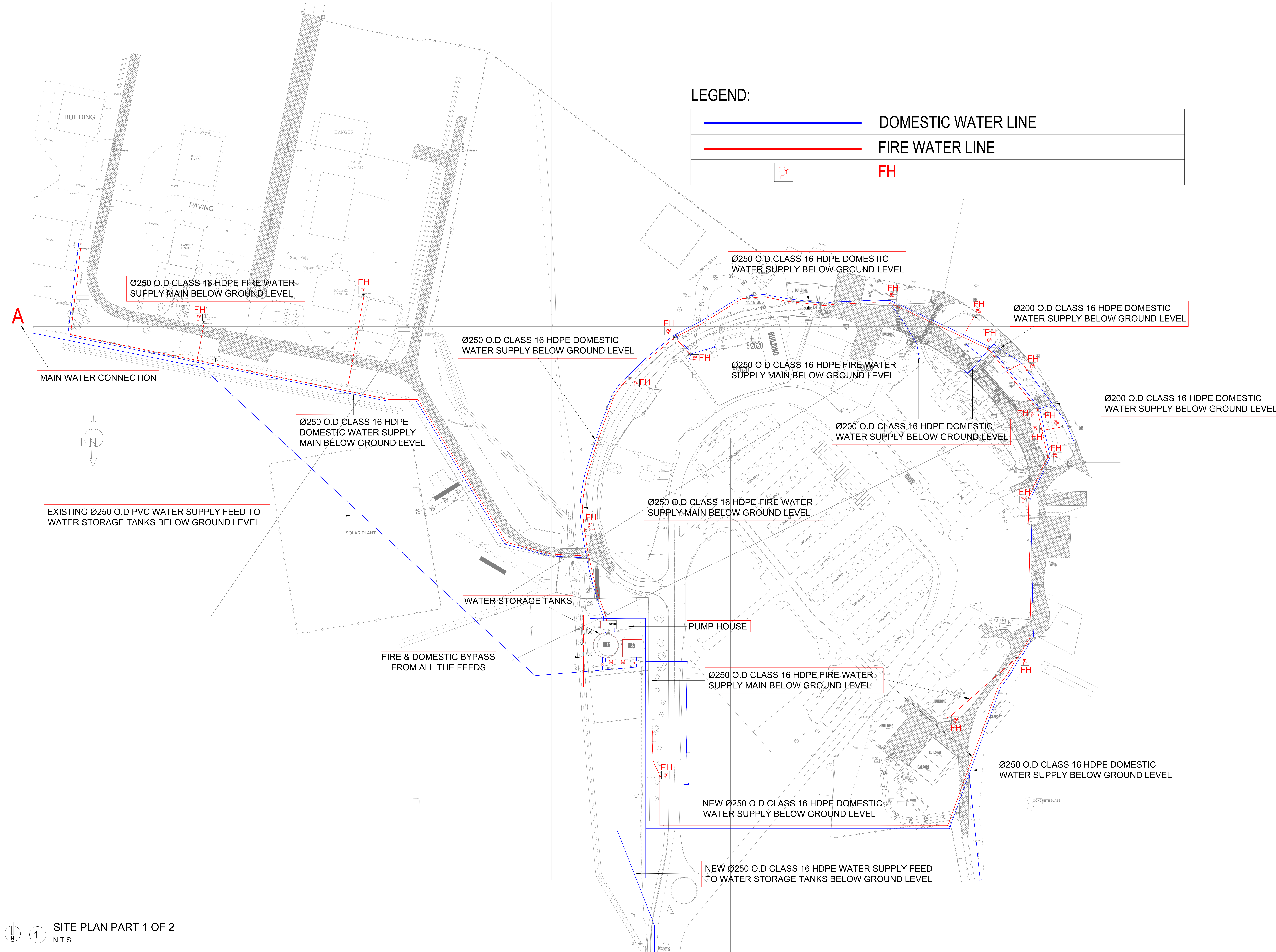
CONTRACT
NAMEBOARD

DESIGNED BY: M. MTHETHWA	SIGNATURE AND DATE: 16-04-2026
CHECKED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
APPROVED BY: G. MALAMBO Pr. Eng.	SIGNATURE AND DATE: 16-04-2026
PROJECT NO: 7089	DATE 16-04-2026

DRAWING NO

GP05-24-ACSA-580-4

SCALE	SHEET SIZE	REVISION
N.T.S	A1	F1



LEGEND:

	DOMESTIC WATER LINE
	FIRE WATER LINE
	FH

GENERAL NOTES

THE DESIGN ON THIS DRAWING IS COPYRIGHT AND REMAINS THE PROPERTY OF THE ARCHITECT.

ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH MUNICIPAL REGULATIONS, NATIONAL BUILDING REGULATIONS, LOCAL AUTHORITY BYLAWS AND APPLICABLE CODES OF PRACTICE. THIS DRAWING MAY NOT BE SCALED. ONLY FIGURED DIMENSIONS AND LEVELS MAY BE USED.

ALL RELEVANT DETAILS, LEVELS, DIMENSIONS MUST BE CHECKED ON SITE BEFORE COMMENCEMENT OF WORK. ANY ERRORS, DISCREPANCIES OR OMISSIONS IN THE DRAWINGS OR BETWEEN THE DRAWINGS MUST BE REPORTED TO THE ARCHITECT IMMEDIATELY THEY BECOME EVIDENT.

ALL STRUCTURAL, STEEL, COIL AND CONCRETE WORK TO ENGINEERS' DRAWINGS.

CONTRACTOR IS RESPONSIBLE FOR CORRECT SETTING OUT OF THE BUILDING. ALL EXTERNAL AND INTERNAL WALLS WITH PARTICULAR REFERENCE TO THE BOUNDARIES AND BUILDING LINES SETTING OUT TO BE DONE FROM SURVEYORS' PEGS.

ALL CONTRACTORS TO CHECK THE DETAIL SHOWN ON THE DRAWING FOR COMPLIANCE WITH STANDARDS OF GOOD BUILDING PRACTICE WITH PARTICULAR REFERENCE TO SPECIAL REQUIREMENTS NECESSITATED BY LOCAL AND/OR SITE CONDITIONS.

ANY ERRORS, DISCREPANCIES OR OMISSIONS MUST BE REPORTED TO THE ARCHITECT IMMEDIATELY THEY BECOME EVIDENT.

CONTRACTORS ARE TO LOCATE AND IDENTIFY EXISTING SERVICES ON SITE AND TO PROTECT THESE FROM DAMAGE THROUGHOUT THE DURATION OF THE WORK.

ALL ASPECTS OF THE CONSTRUCTION REGULATIONS AS PER SABS 0400 ARE TO BE APPLIED AND ADHERED TO.

C	AM	2026 04 17	FOR TENDER
B	AM	2025 07 01	DETAILED DESIGN
A	AM	2025 03 25	CONCEPT DESIGN
REVISION	BY	DATE	DESCRIPTION

REVISION SCHEDULE

APPROVED BY CLIENT :
SIGNATURE:..... Date:.....

APPROVED BY FIRE ENGINEER :
ANDILE NTANJANA, ECSA PR ENG NO.: 2019300487
SIGNATURE:..... Date: 2025.07.01

APPROVED BY FIRE ENGINEER :
QHAWE NKOMAZANA, ECSA PR ENG NO.: 201670258
SIGNATURE:..... Date: 2025.07.01

CLIENT



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PROJECT:
BRAM FISCHER
INTERNATIONAL AIRPORT

TITLE:
PROPOSED FIRE &
DOMESTIC WATER
SUPPLY RETICULATION

DRAWN	AM	DATE	MARCH 2025
DESIGNED	AN	SCALE	AS SHOWN

DRAWING NO.
202505001-F/WS-01

DRWG STATUS: FOR TENDER



1

SITE PLAN PART 2 OF 2
N.T.S

WATER STORAGE TANKS

FIRE & DOMESTIC BYPASS
FROM ALL THE FEEDS

PUMP HOUSE

Ø250 O.D CLASS 16 HDPE FIRE WATER
SUPPLY MAIN BELOW GROUND LEVEL

NEW Ø250 O.D CLASS 16 HDPE DOMESTIC
WATER SUPPLY BELOW GROUND LEVEL

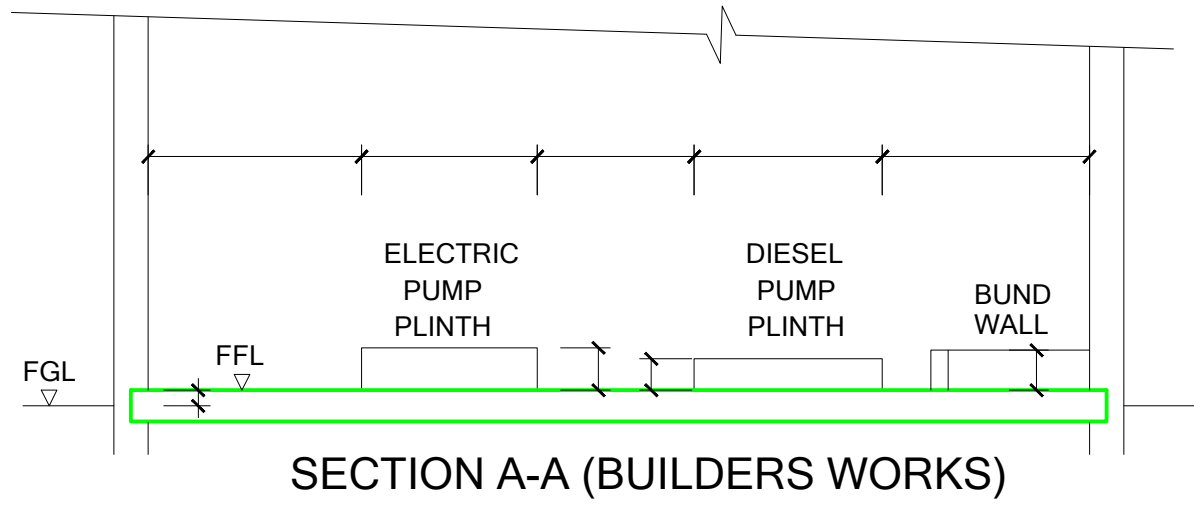
NEW Ø250 O.D CLASS 16 HDPE WATER SUPPLY FEED
TO WATER STORAGE TANKS BELOW GROUND LEVEL

NEW Ø250 O.D CLASS 16 HDPE WATER SUPPLY FEED
TO WATER STORAGE TANKS BELOW GROUND LEVEL

LEGEND:

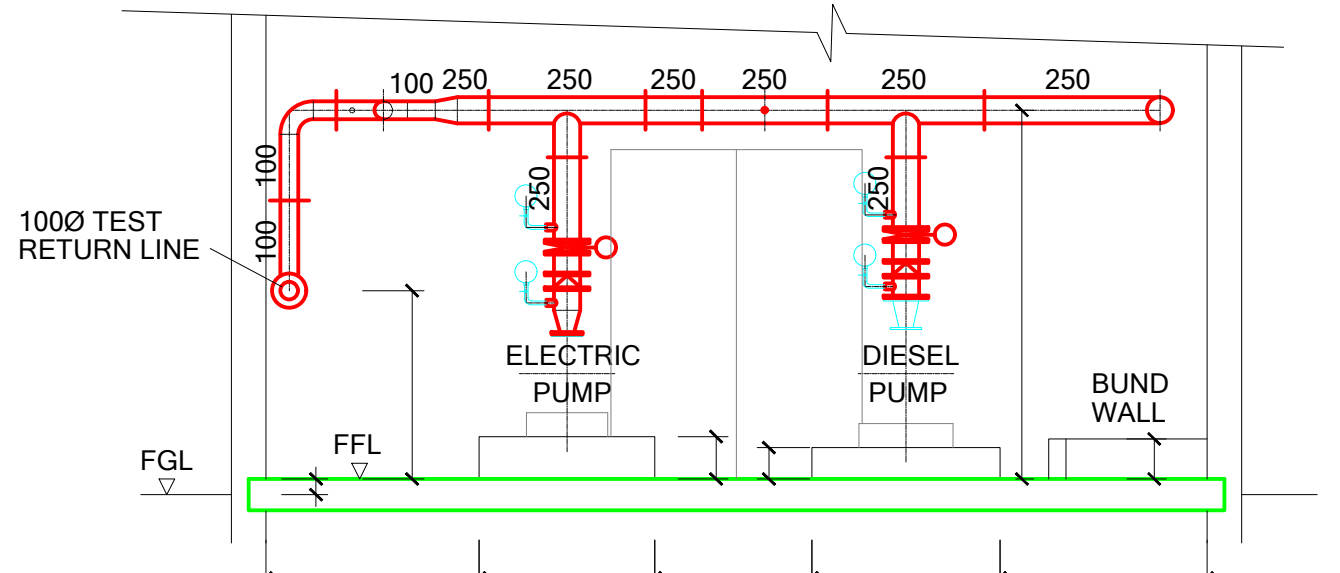
	DOMESTIC WATER LINE
	FIRE WATER LINE
	FH

B PROPOSED WATER CONNECTION



SECTION A-A (BUILDERS WORKS)

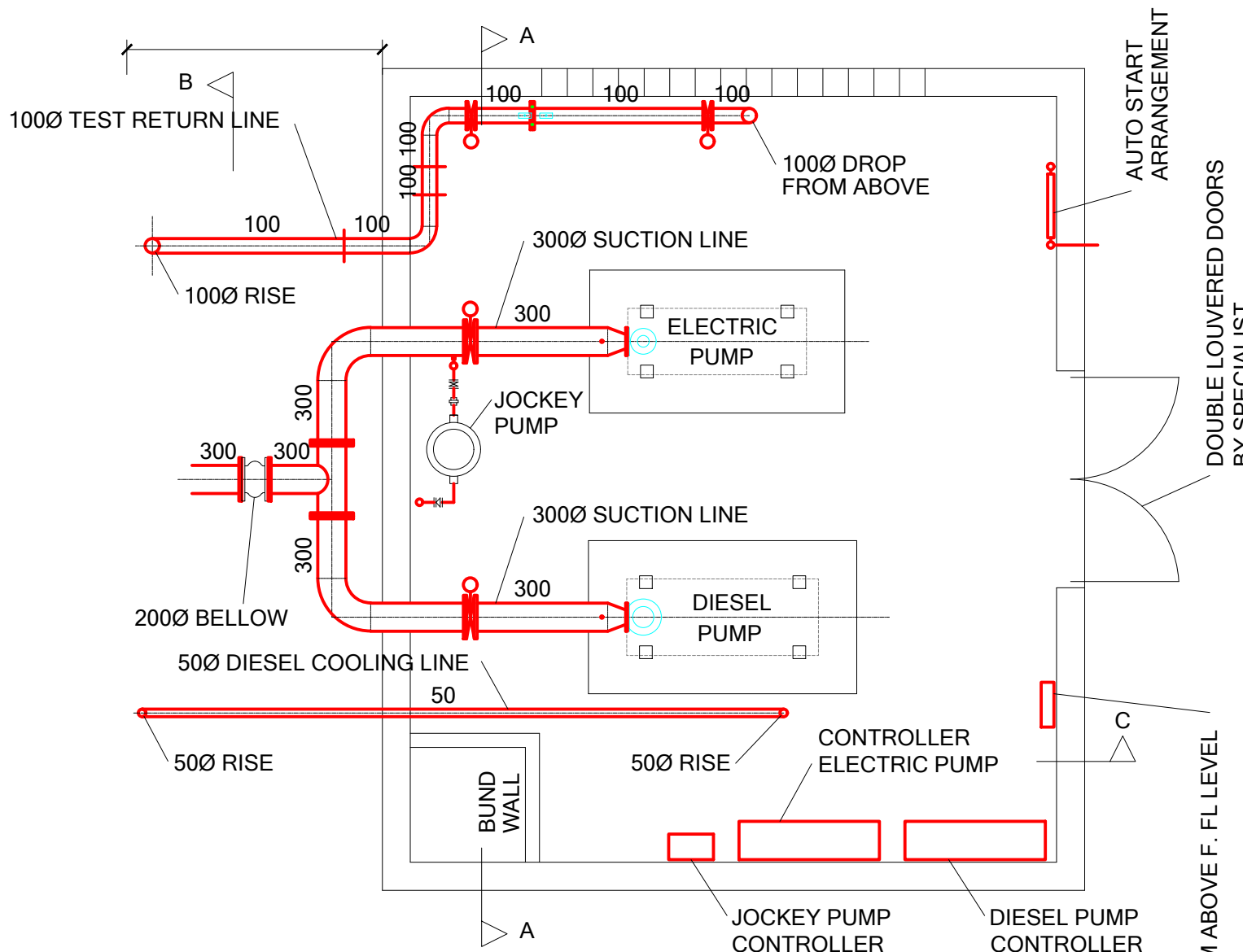
SCALE: 1:50



SECTION A-A

SCALE: 1:50

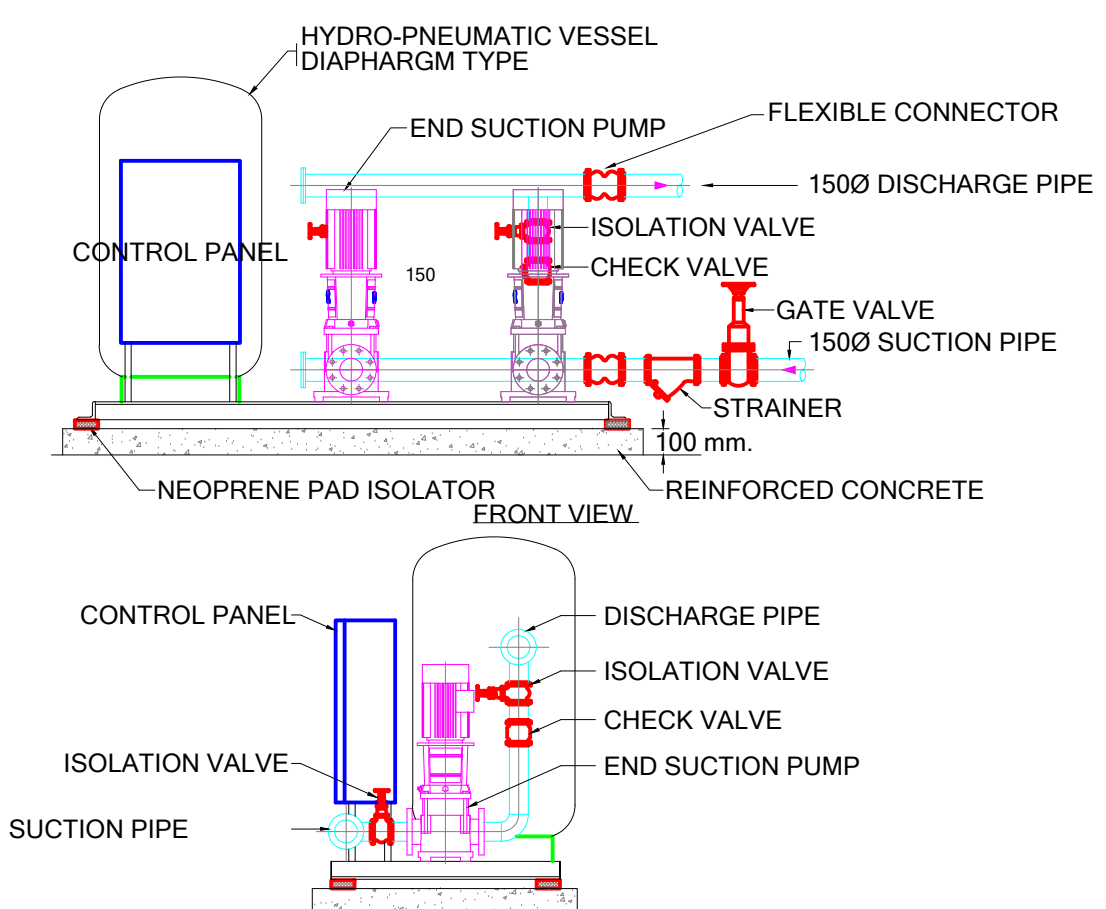
PUMP SPEC:
JOCKEY PUMP: 30m³/h @ 78m
DUTY: 360m³/h @ 78m
STANDBY: 360m³/h @ 78m (DIESEL)



TYPICAL FIRE PUMP HOUSE DETAIL

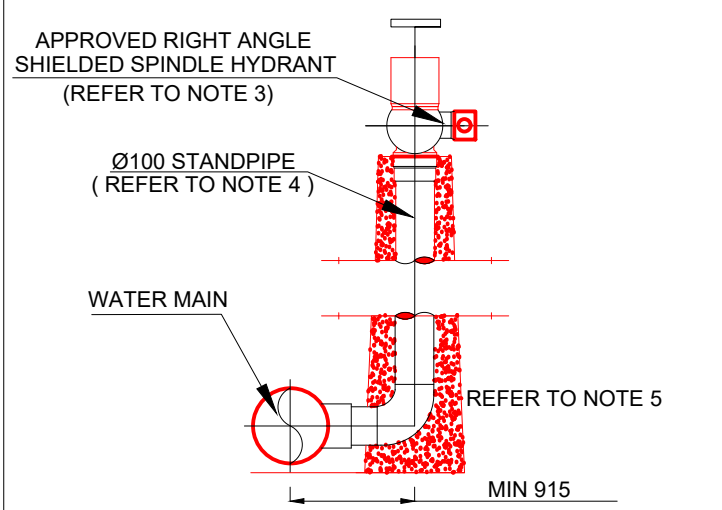
SCALE: 1:50

PUMP SPEC:
HYDRO MPC RANGE: 21.9m³/h @ 79m
Electrical Driven Motors
PUMPS SET UP: DUTY & STANDBY

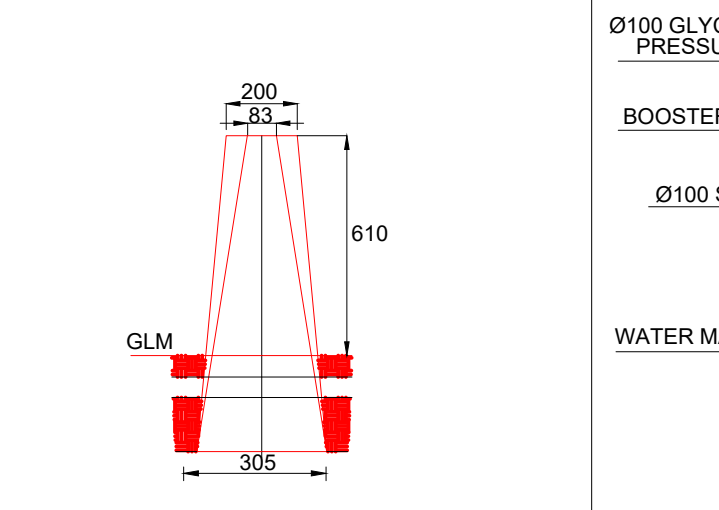


TYPICAL DOMESTIC WATER PUMP DETAIL

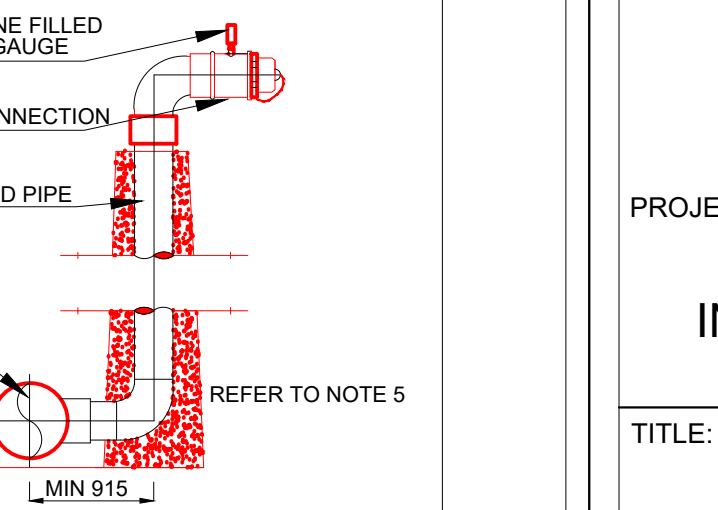
SCALE: 1:30



FIRE HYDRANT - PEDESTAL SINGLE UNIT
DETAIL "A" (N.T.S.)



TYPICAL PEDESTAL SINGLE UNIT
DETAIL "A" (N.T.S.)



FIRE CONNECTION - BOOSTER PUMP
DETAIL "B" (N.T.S.)

NOTES:
1. PEDESTAL MUST BE ERECTED DIRECTLY OVER THE MAIN.
2. CONCRETE PEDESTAL TO BE PAINTED GLOUSEN YELLOW.
3. RIGHT ANGLE HYDRANT VALVE WITH SCREWED INLET AS SUPPLIED BY CHUBB FIRE.
4. STANDPIPE MATERIAL TO BE BLACK SABS #2 / BS 1387 MEDIUM QUALITY.
5. BEND MATERIAL TO BE CAST IRON OR MALLEABLE CI THREADED TO SABS 1100 / BS21.
6. BOOSTER CONNECTOR - DIVING BREECHING WITH MOLE INSTANTANEOUS BLANK CAPS AND CHAIN.

GENERAL NOTES

THE DESIGN ON THIS DRAWING IS COPYRIGHT AND REMAINS THE PROPERTY OF THE ARCHITECT.
ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH MUNICIPAL REGULATIONS, NATIONAL BUILDING REGULATIONS, LOCAL AUTHORITY BYLAWS AND APPLICABLE CAPSULE GUIDELINES. THE DRAWING MAY NOT BE SCALED. ONLY FIGURED DIMENSIONS AND LEVELS MAY BE USED.
ALL RELEVANT DETAILS, LEVELS, DIMENSIONS MUST BE CHECKED ON SITE BEFORE COMMENCEMENT OF WORK. ANY ERRORS, DISCREPANCIES OR OMISSIONS IN THE DRAWINGS OR BETWEEN THE DRAWINGS MUST BE REPORTED TO THE ARCHITECT IMMEDIATELY THEY BECOME EVIDENT.
ALL STRUCTURAL, STEEL, CIVIL AND CONCRETE WORK TO ENGINEERS DRAWINGS TO BE READ IN CONJUNCTION WITH RELEVANT ENGINEERS DRAWINGS.
CONTRACTOR IS RESPONSIBLE FOR CORRECT SETTING OUT OF THE BUILDING. ALL EXTERNAL AND INTERNAL WALLS WITH PARTICULAR REFERENCE TO THE BOUNDARIES AND BUILDING LINES SETTING OUT TO BE DONE FROM SURVEYOR'S PEGS.
ALL CONTRACTORS TO CHECK THE DETAIL SHOWN ON THE DRAWING FOR COMPLIANCE WITH STANDARDS OF GOOD BUILDING PRACTICE WITH PARTICULAR REFERENCE TO SPECIAL REQUIREMENTS NECESSITATED BY LOCAL AND/OR SITE CONDITIONS. ANY ERRORS, DISCREPANCIES OR OMISSIONS MUST BE REPORTED TO THE ARCHITECT IMMEDIATELY THEY BECOME EVIDENT.
CONTRACTORS ARE TO LOCATE AND IDENTIFY EXISTING SERVICES ON SITE AND TO PROTECT THESE FROM DAMAGE THROUGHOUT THE DURATION OF THE WORKS.
ALL ASPECTS OF THE CONSTRUCTION REGULATIONS AS PER SABS 6400 ARE TO BE APPLIED AND ADHERED TO.

REVISION	BY	DATE	DESCRIPTION
D	AM	2026.07.01	FOR TENDER
C	AM	2026.04.17	FOR TENDER
B	AM	2026.07.01	DETAILED DESIGN
A	AM	2026.03.29	CONCEPT DESIGN

REVISION SCHEDULE	
APPROVED BY CLIENT :	
SIGNATURE:.....	Date:.....
APPROVED BY FIRE ENGINEER : ANDILE NTANJANA, ECSA PR ENG NO. :2019300487	
SIGNATURE:.....	Date:..... 2026.07.01
APPROVED BY FIRE ENGINEER : QHAWE NKOMAZANA, ECSA PR ENG NO. : 201670258	
SIGNATURE:.....	Date:..... 2026.07.01
CLIENT	



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PROJECT:
BRAM FISCHER
INTERNATIONAL AIRPORT

TITLE:
PROPOSED FIRE &
DOMESTIC WATER
SUPPLY RETICULATION

DRAWN AM DATE MARCH 2025

DESIGNED AN SCALE AS SHOWN

DRAWING NO.
202505001-F/WS-02

DRWG STATUS: FOR TENDER