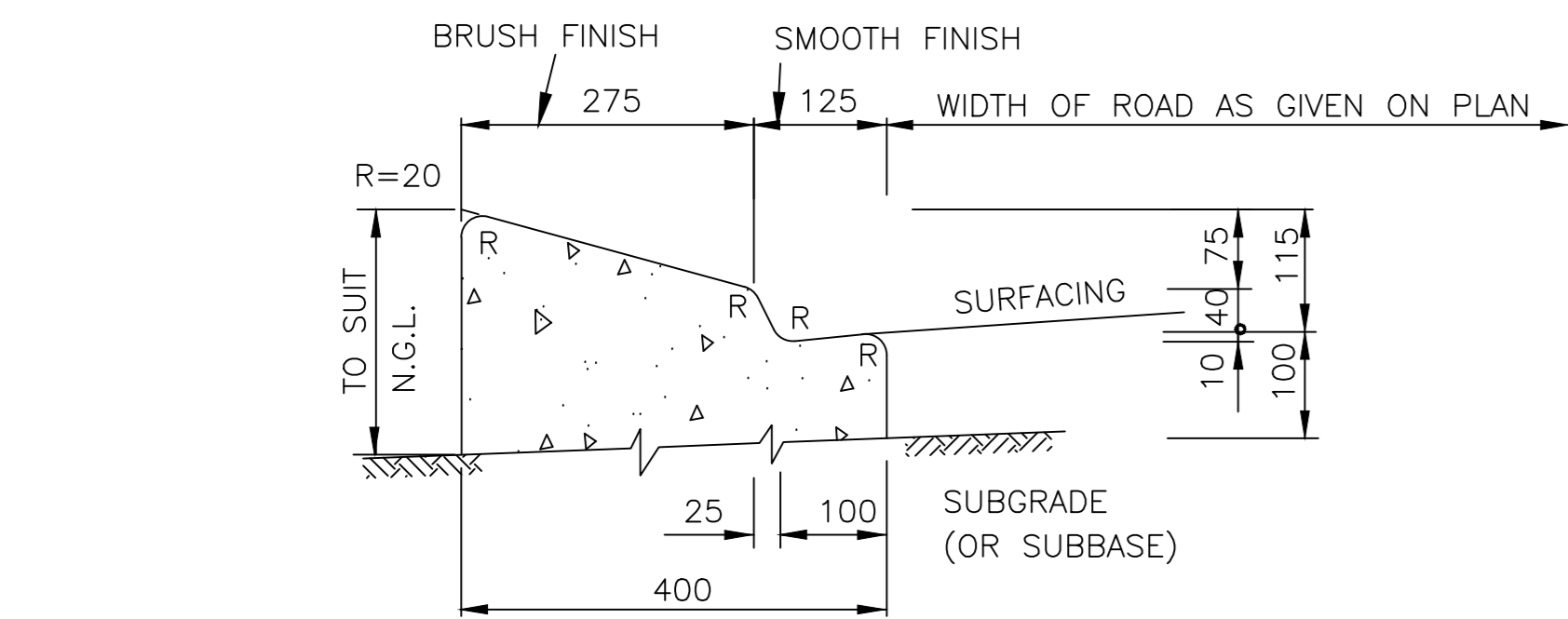


## NOTES

## GENERAL NOTES

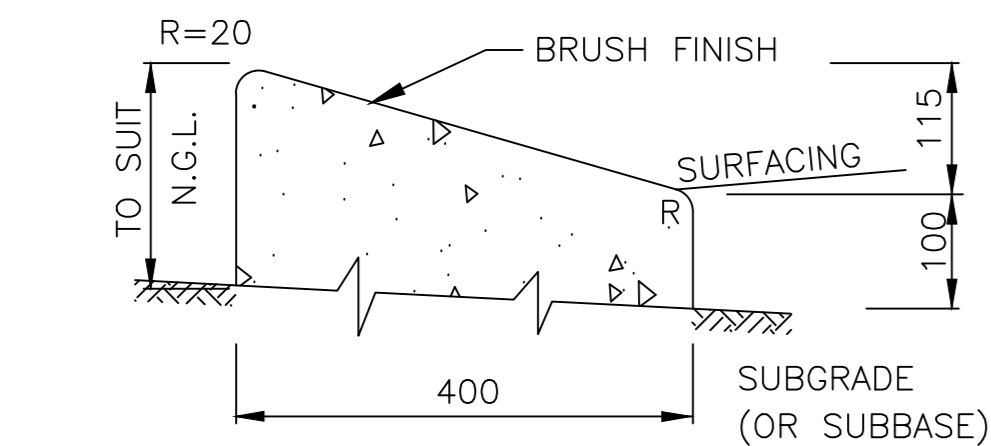
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<div>CONSULTANT'S DETAILS</div> <div><div><div><div><div></div></div><div>HI END GROUP</div></div><div><div>AN INFRASPECIALISED CONSTRUCTION COMPANY</div></div></div></div>		OFFICE 7, BLOCK 5 TYJGER VALLEY OFFICE PARK 76 PONY STR. SILVERLAKES, PRETORIA, 0082 TELL NO.: 087 012 5632		<div>REVISIONS</div> <table><thead><tr><th>REV</th><th>DATE</th><th>DESCRIPTION OF CHANGES</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 OF CHANGES	BY																	<div>CLIENT'S DETAILS</div> <div><div><div><div><div></div></div><div>D&amp;SA</div><div>DESIGN &amp; SURVEY</div><div>Building Africa's Prosperity</div></div><div><div><div><div></div></div><div>LIMPOPO</div><div>PARADES ECONOMIC DEVELOPMENT ENVIRONMENT &amp; TOURISM</div></div></div></div></div> <div>LIMPOPO ECONOMIC DEVELOPMENT ENVIRONMENT AND TOURISM</div> <div>PRIVATE BAG X9486 POLKOWANE, 0700 POLKOWANE TEL: 015 295 8648</div>				<table><tbody><tr><td>DESIGNED BY:</td><td>C. KADANI</td><td>PROJECT DESCRIPTION:</td><td>EXISTING SITE LAYOUT</td><td>CONTRACT NO.:</td><td>RFP_023/2024</td></tr><tr><td>DRAWN BY:</td><td>C. KADANI</td><td>PROJECT LOCATION:</td><td>NYLSVLEI NATURE</td><td>DATE:</td><td>DECEMBER 2024</td></tr><tr><td>CHECKED BY:</td><td>L.HLUNGWAN</td><td>DRAWING UNITS:</td><td>MM</td><td>DRAWING SCALE:</td><td>AS SHOWN</td></tr><tr><td>DESIGN APPROVED BY:</td><td>C.MAKHELE</td><td>DRAWING NO:</td><td>ROAD STANDARD DRAWINGS</td><td>DRAWING NO:</td><td> </td></tr></tbody></table>				DESIGNED BY:	C. KADANI	PROJECT DESCRIPTION:	EXISTING SITE LAYOUT	CONTRACT NO.:	RFP_023/2024	DRAWN BY:	C. KADANI	PROJECT LOCATION:	NYLSVLEI NATURE	DATE:	DECEMBER 2024	CHECKED BY:	L.HLUNGWAN	DRAWING UNITS:	MM	DRAWING SCALE:	AS SHOWN	DESIGN APPROVED BY:	C.MAKHELE	DRAWING NO:	ROAD STANDARD DRAWINGS	DRAWING NO:	
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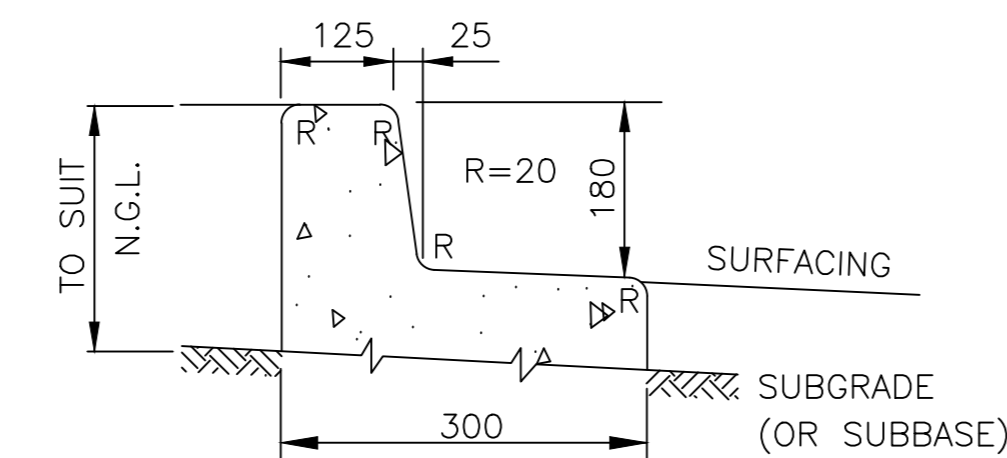
STANDARD MOUNTABLE KERB WITH GUTTER

DETAIL 'A'



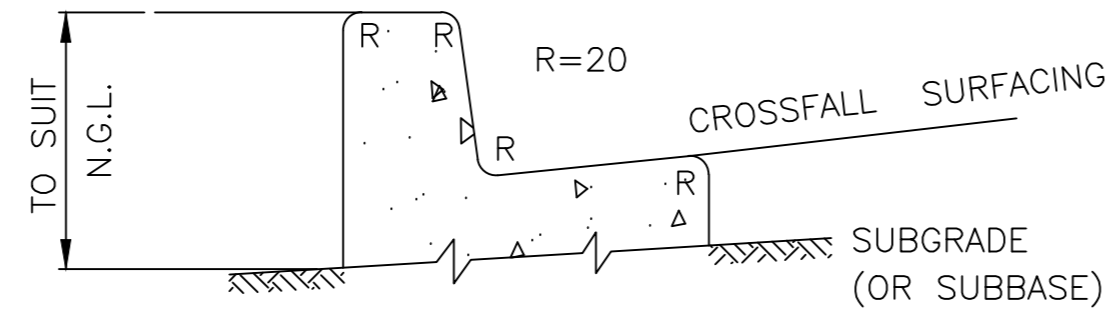
MOUNTABLE KERB ON HIGH SIDE OF CROSS-FALL ROAD

DETAIL 'B'

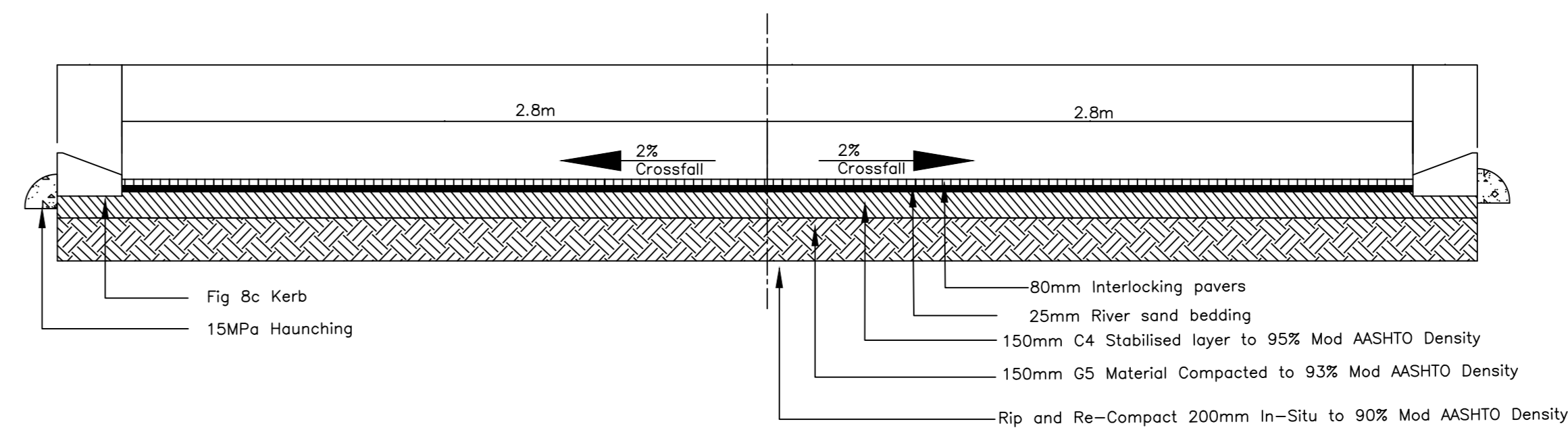


BARRIER KERB ON HIGH SIDE OF CROSS-FALL ROAD

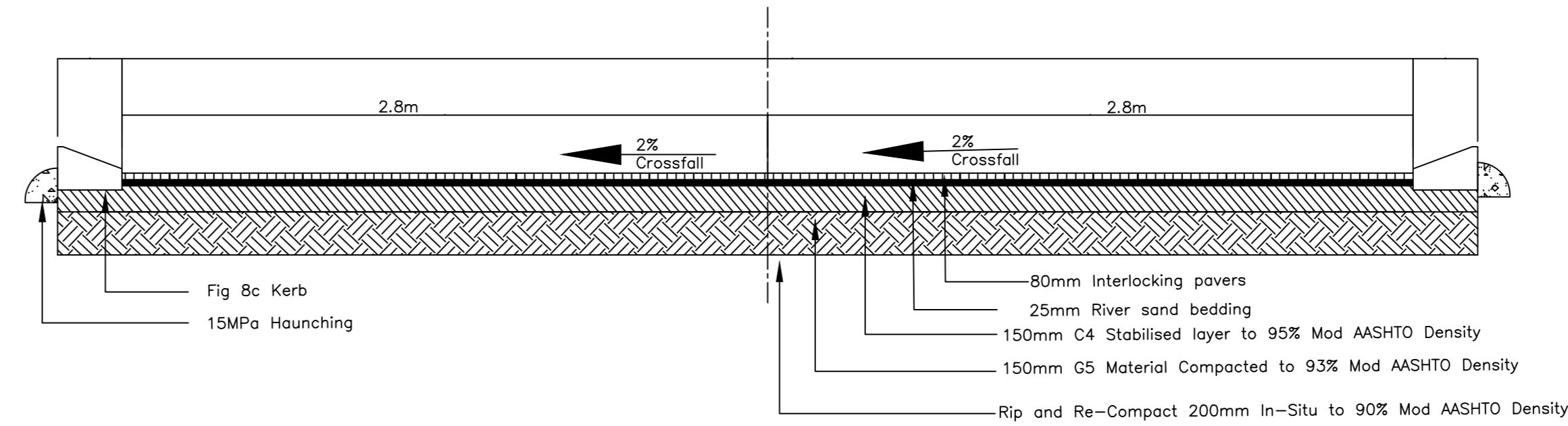
DETAIL 'C'



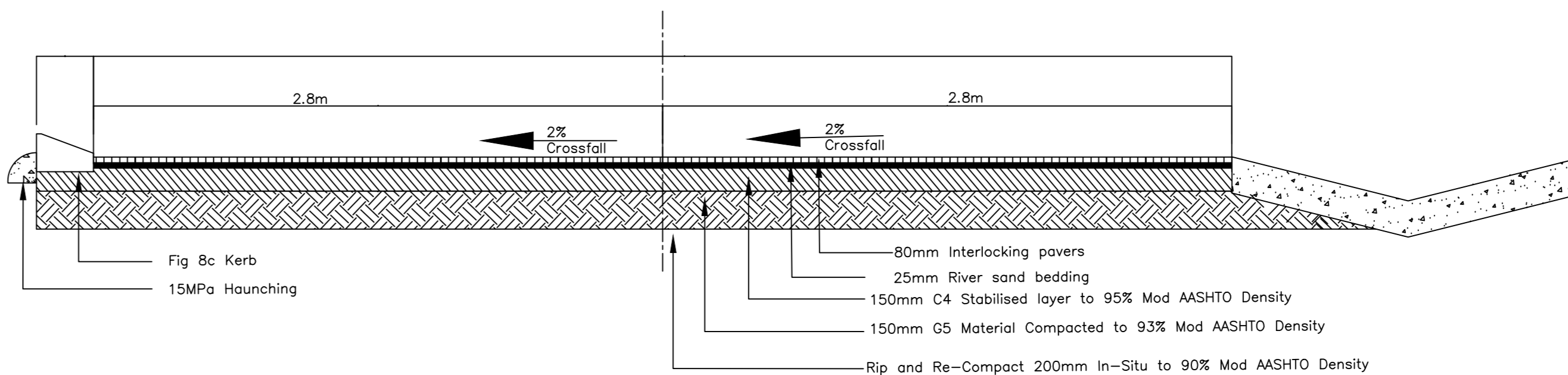
STANDARD BARRIER KERB WITH GUTTER



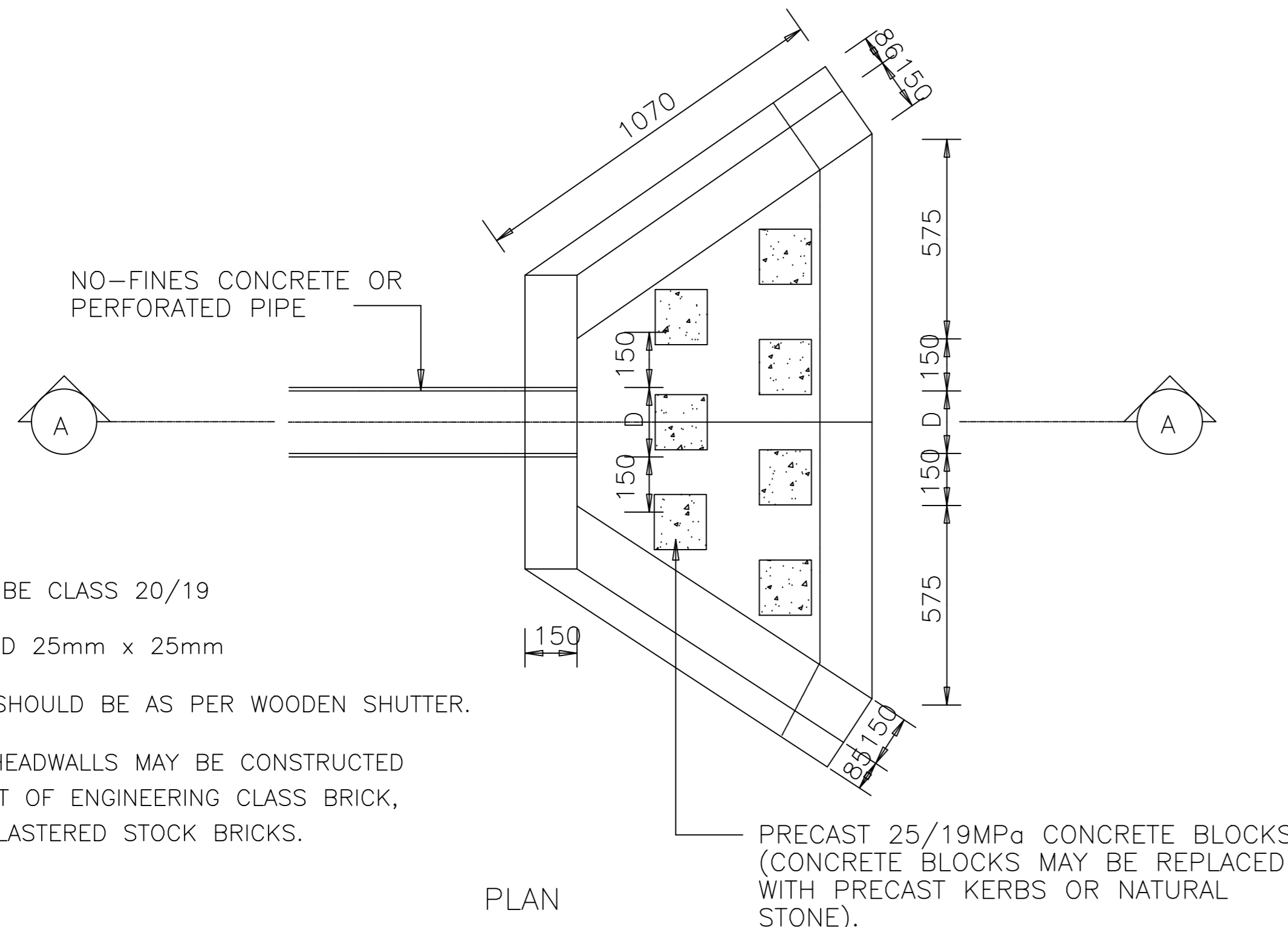
CAMBER TYPICAL CROSS SECTION



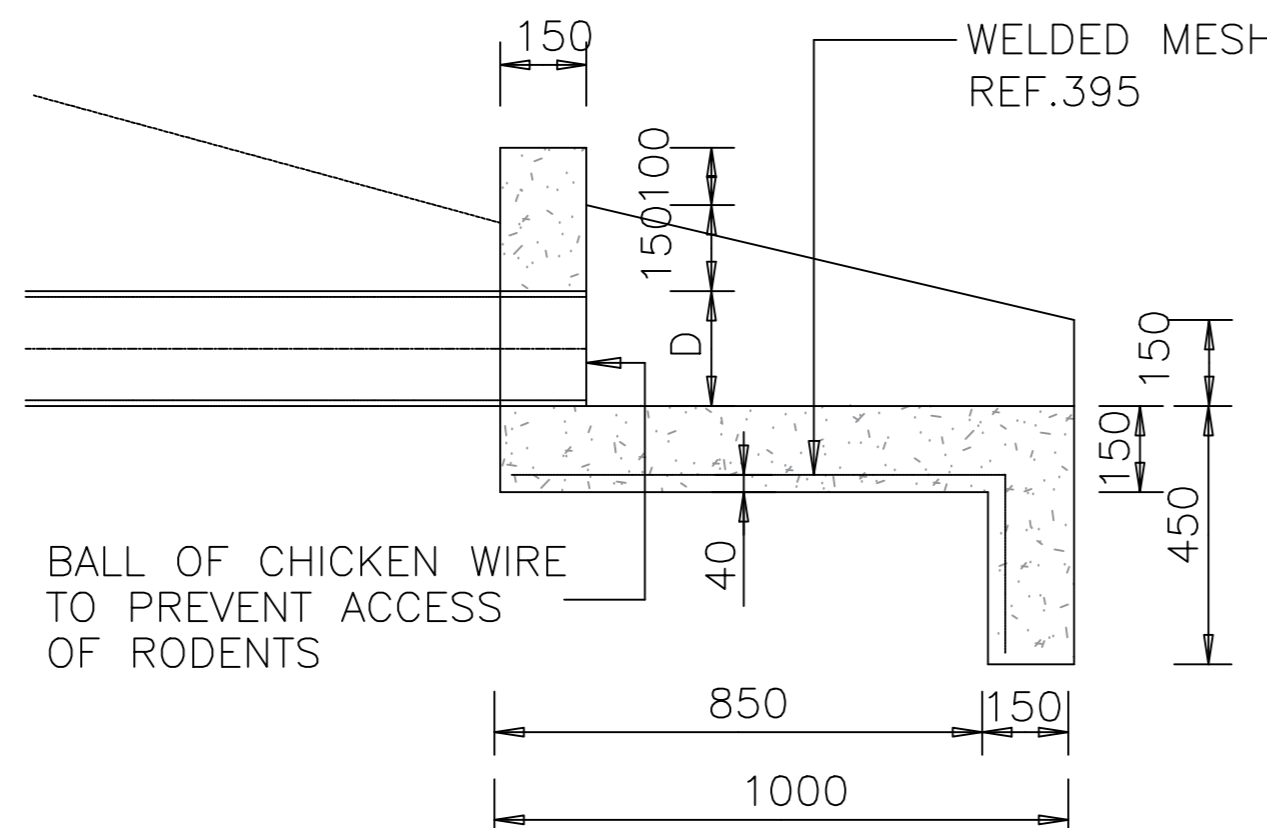
CROSSFALL TYPICAL CROSS SECTION



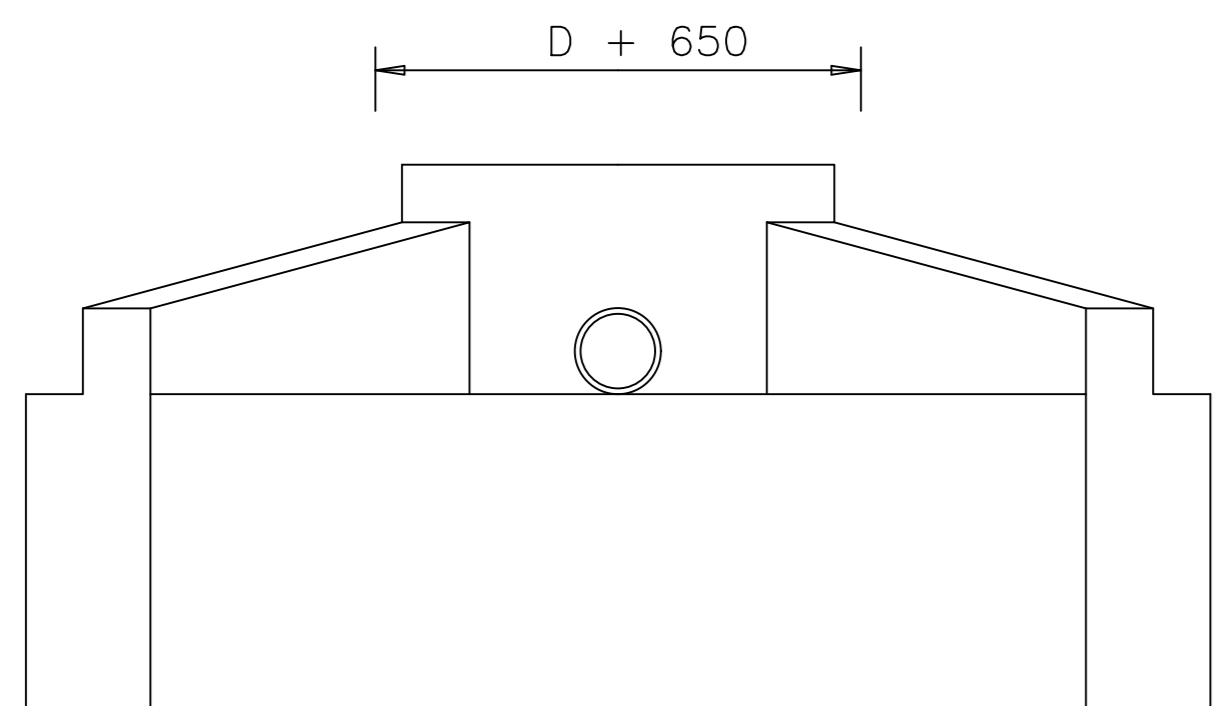
TYPICAL CROSS SECTION WITH A SIDE DRAIN



PLAN



SECTION A-A

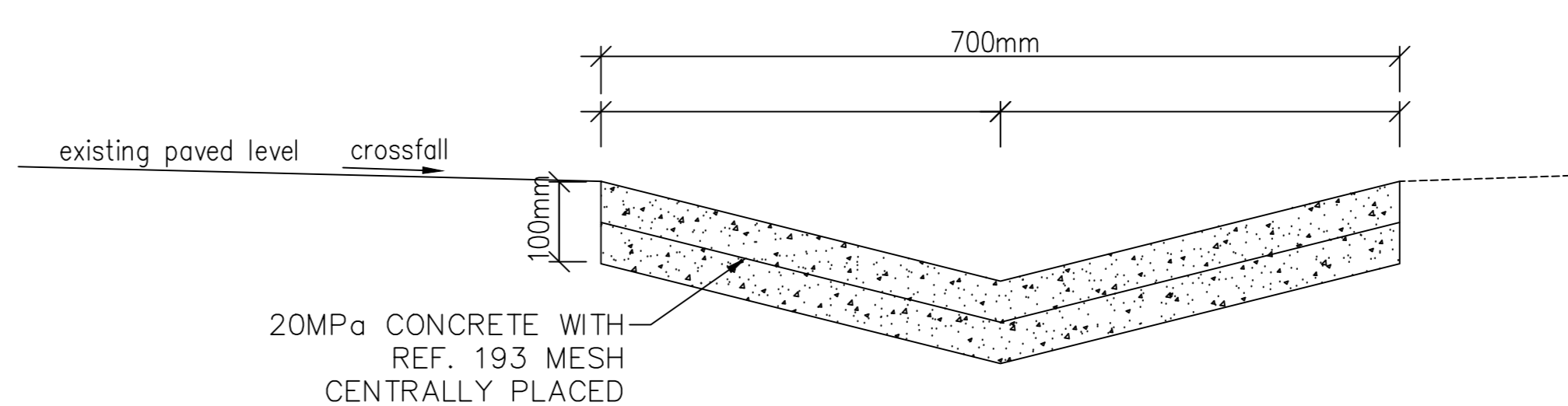


FRONT ELEVATION OF OUTLET

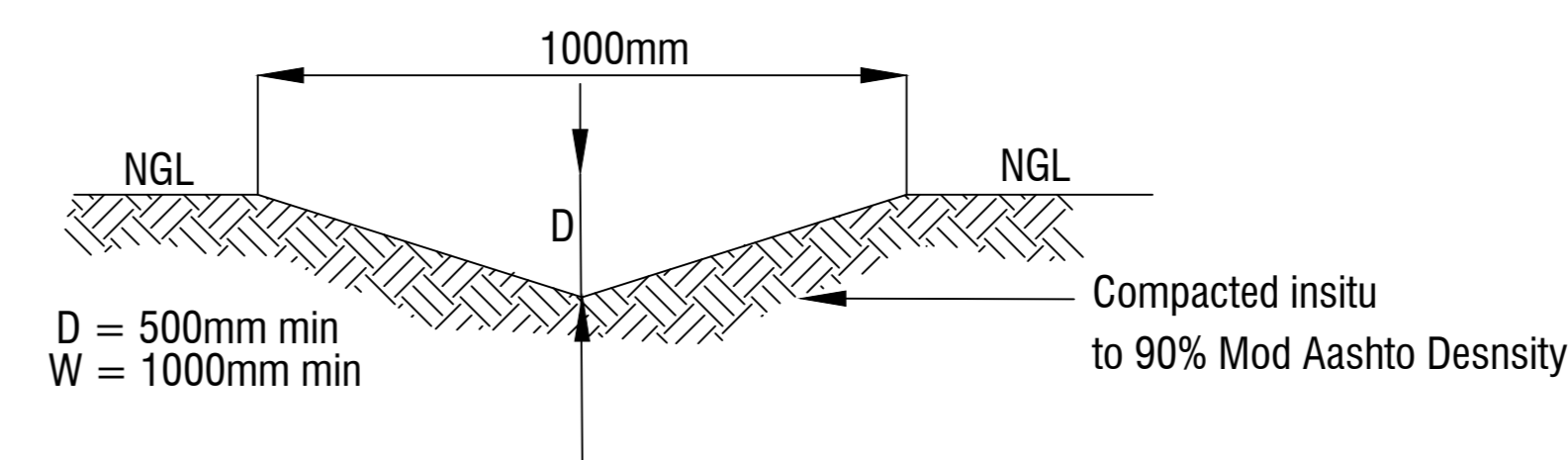
## STORMWATER OUTLET STRUCTURE

### NOTES

1. ALL CONCRETE TO BE CLASS 20/19
2. ALL SIDES BEVELLED 25mm x 25mm
3. CONCRETE FINISH SHOULD BE AS PER WOODEN SHUTTER.
4. WING WALLS AND HEADWALLS MAY BE CONSTRUCTED ALTERNATIVELY OUT OF ENGINEERING CLASS BRICK, BUT MAY NOT BE PLASTERED STOCK BRICKS.



CONCRETE V-DRAIN CONSTRUCTION DETAIL



EARTH DRAIN CONSTRUCTION DETAIL

### NOTES

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CONSULTANT'S DETAILS



HI END GROUP

OFFICE 7, BLOCK 5  
TYGGER VALLEY OFFICE PARK  
76 PONY STR.  
SILVERLAKES,  
PRETORIA, 0082  
TELL NO.: 087 012 5632

#### REVISIONS

REV	DATE	DESCRIPTION OF CHANGES	BY

CLIENT'S DETAILS



LIMPOPO ECONOMIC  
DEVELOPMENT  
ENVIRONMENT AND TOURISM  
PRIVATE BAG X9486  
POLOKWANE, 0700  
POLOKWANE  
TEL: 015 295 8648

DESIGNED BY:

C. KADANI

DRAWN BY:

C. KADANI

CHECKED BY:

L.HLUNGWAN

DESIGN APPROVED BY:

C.MAKHELE

PROJECT DESCRIPTION:

UPGRADE AT NYLSVLEI NATURE RESERVE

PROJECT LOCATION:

NYLSVLEI NATURE

DRAWING TITLE:

ROAD STANDARD DRAWINGS

CONTRACT NO.:

RFP 023/2024

DATE:

DECEMBER 2024

DRAWING UNITS:

MM

DRAWING SCALE:

AS SHOWN

REVISION NO:

01



**NOTES**

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DATE: DECEMBER 2024

DRAWING UNITS: MM

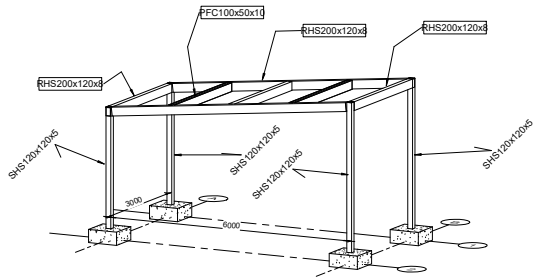
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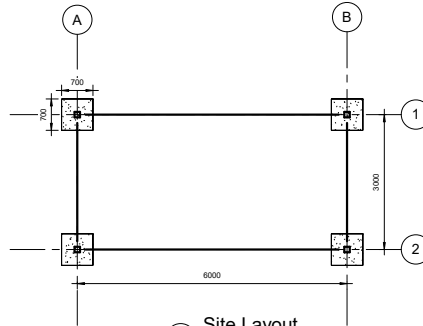
REVISION NO:

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	CHECKED BY:	L.HLUNGWAN	DRAWING UNITS:	MM						DRAWING SCALE:	AS SHOWN					
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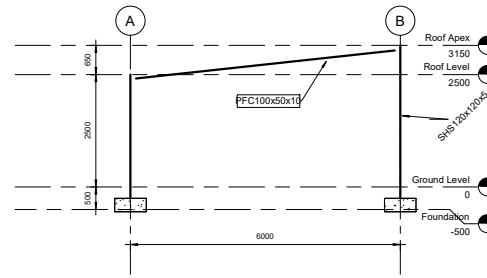
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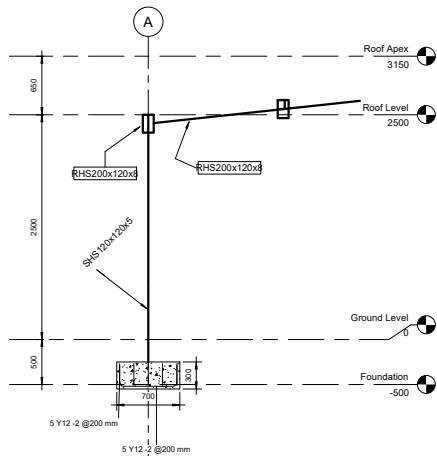
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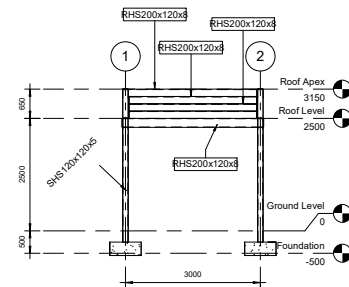
2 Site Layout  
1 : 50



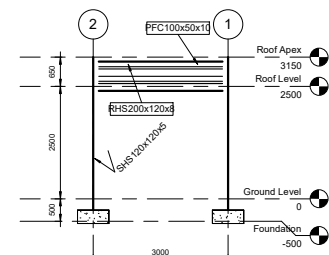
9 South Elevation  
1 : 50



11 Section View  
1 : 25



10 West Elevation  
1 : 50



7 East Elevation  
1 : 50

Rebar Schedule					
Rebar Number	Type	A	Quantity	Bar Length	Total Bar Length
2	Y12	650 mm	1	1070 mm	1070 mm
2	Y12	650 mm	5	1070 mm	5350 mm
2	Y12	650 mm	5	1070 mm	5350 mm
2	Y12	650 mm	1	1070 mm	1070 mm
2	Y12	650 mm	5	1070 mm	5350 mm
2	Y12	650 mm	5	1070 mm	5350 mm
2	Y12	650 mm	1	1070 mm	1070 mm
2	Y12	650 mm	5	1070 mm	5350 mm
2	Y12	650 mm	5	1070 mm	5350 mm
2	Y12	650 mm	1	1070 mm	1070 mm
2	Y12	650 mm	5	1070 mm	5350 mm
2	Y12	650 mm	5	1070 mm	5350 mm

Structural Column Schedule						
Type	Section Shape	Length	Column Location Mark	Base Level	Base Offset	Top Level
SHS120x120x5	Rectangular HSS	2750	A-1	Ground Level	-250	Roof Level
SHS120x120x5	Rectangular HSS	3400	B-1	Ground Level	-250	Roof Level
SHS120x120x5	Rectangular HSS	3400	B-2	Ground Level	-250	Roof Level
SHS120x120x5	Rectangular HSS	2750	A-2	Ground Level	-250	Roof Level

Beam Structural Framing Schedule						
Type	Section Shape	Length	Cut Length	Reference Level	Reference Level Elevation	Volume
RHS200x120x8	Rectangular HSS	6035	5868	Roof Level	2500	0.03 m³
RHS200x120x8	Rectangular HSS	3000	2974	Roof Level	2500	0.01 m³
RHS200x120x8	Rectangular HSS	3000	3142	Roof Level	2500	0.02 m³
RHS200x120x8	Rectangular HSS	3000	2855	Roof Level	2500	0.01 m³
RHS200x120x8	Rectangular HSS	3000	2855	Roof Level	2500	0.01 m³
RHS200x120x8	Rectangular HSS	3000	2855	Roof Level	2500	0.01 m³
RHS200x120x8	Rectangular HSS	3000	2855	Roof Level	2500	0.01 m³
RHS200x120x8	Rectangular HSS	3000	2855	Roof Level	2500	0.01 m³
RHS200x120x8	Rectangular HSS	3000	2855	Roof Level	2500	0.01 m³
PFC100x50x10	C-channel Parallel Flange	3000	2855	Roof Level	2500	0.00 m³
PFC100x50x10	C-channel Parallel Flange	3000	2855	Roof Level	2500	0.00 m³
RHS200x120x8	Rectangular HSS	6035	5868	Roof Level	2500	0.03 m³

#### NOTES:

##### A. FOUNDATION

- EXCAVATE A DEPTH OF 500MM
- USE 30MPA CONCRETE.
- PROVIDE 50MM REINFORCEMENT COVER TO SUBSTRUCTURE
- THESE DRAWINGS ARE FOR ASSISTING THE STEEL MANUFACTURER TO PRODUCE SHOP DRAWINGS.

##### B. OTHER

- IF IN DOUBT CONTACT THE ENGINEER FOR CLARIFICATION.



OFFICE 7, BLOCK 5 TYJGER  
VALLEY OFFICE PARK 76  
PONY STR. SILVERLAKES,  
PRETORIA, 0082  
TEL NO.: 087 012 5632

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REV	DATE

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#### BY

#### CLIENT'S DETAILS



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DEVELOPMENT,  
ENVIRONMENT AND  
TOURISM  
PRIVATE BAG X9486,  
POLOKWANE, 0700  
POLOKWANE  
TEL: 015 295 8648

#### DESIGNED BY:

M.ZHOU

#### SIGNATURE

#### PROJECT DESCRIPTION:

UPGRADE TO NYLSVLEI RESTAURANT

#### PROJECT LOCATION:

MOPANI DISTRICT

#### TITLE:

STRUCTURAL FRAMING DETAILS FOR THE CARPORTS

#### CONTRACT NO.:

RFP 023/2024

#### DATE:

DECEMBER 2024

#### DRAWING UNITS:

MM

#### DRAWING SCALE:

AS SHOWN

#### DRAWING NO.:

HEG-DBSA-SE-001

#### REVISION NO.:

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