



ENGINEERING UNIT
ROADS PROVISION DEPARTMENT

PLAN DESCRIPTION	DWG. NO.
CONTINUED FROM	
CONTINUED ON	
CROSS SECTIONS	
TYPICAL CROSS SECTION	
SURVEY LAYOUT	



DRAWN IN ALL WINDOWS



Date	Revision	Date	Description
NOTE:			
No construction work to commence until land and water survey has been completed			
Acquisitions completed			
			 NORTH POINT
UNDERGROUND SERVICES CHECKED			
	SERVICE	DATE	SIGNATURE
	S/W MAINS		
	SEWERS		
	WATER MAINS		
	G/D DRAINAGE		
	TELEPHONE CABLES		
	F/G CABLES		
	OIL PIPE LINE		

Only underground services affected by new construction work are shown. Care must be taken during excavations for road foundations, trenches etc., to avoid damage to underground services such as sewers, drains, cables, water mains and connections. Wherever possible these must be located before work proceeds.

Contract No
1R-33142

GRAVEL TO ASPHALT
UPGRADE OF TRACK 8712
IN INANDA
WARD 108

g Title

Source	Reference
AS SHOWN	Date 03 OCTOBER 2025 Drawn in AutoCAD by D.NADDOO
Designed D.NACKER Checked N.PARSHOTAM	
Manager (RD / N)	
DWG - RP	

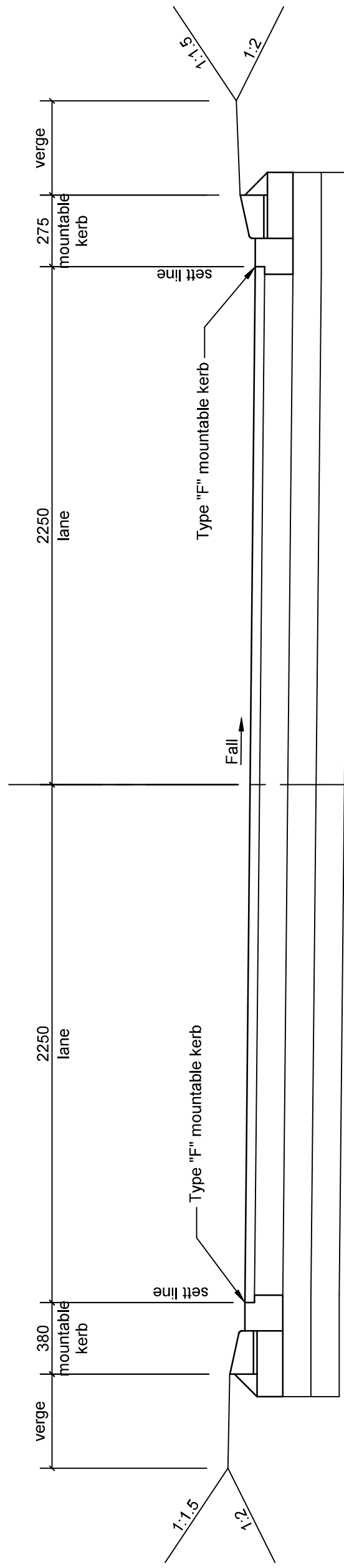
Head : Engineering	
Drawing No	49483
Sheet	01
of	06 Sheets

CONTROL POINTS:				
NAME	Y	X	Z	DESCRIPTION
BN1	10156.25	3282503.09	315.39	12mm Iron Peg
BN2	10236.68	3282575.61	297.90	12mm Iron Peg
BN3	10112.50	3282527.56	312.34	12mm Iron Peg
BN4	10378.14	3282261.75	293.74	12mm Iron Peg
BN5	10413.66	3282228.96	290.75	12mm Iron Peg
BN6	10415.34	3282312.01	292.45	12mm Iron Peg

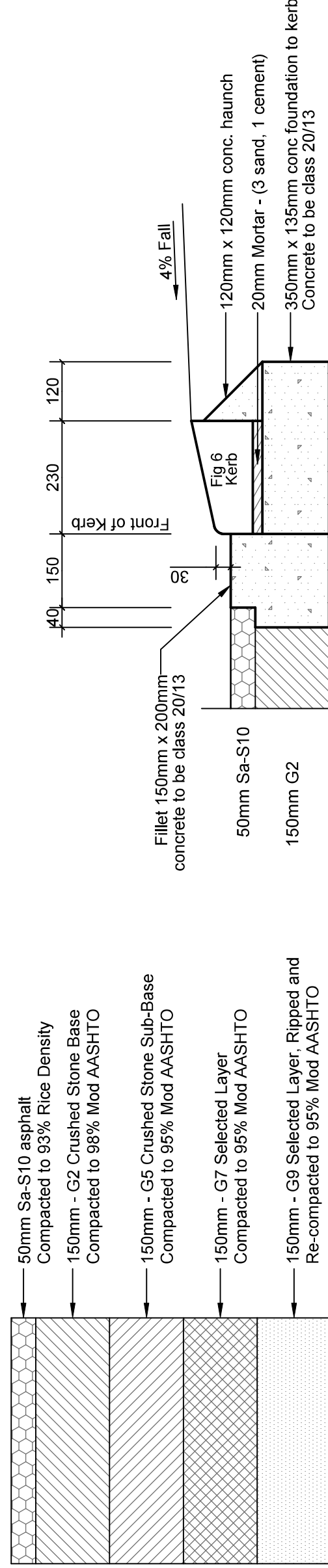
STORMWATER DRAINAGE DETAILS						
Name	Node Type	Approx. Changeage	Cover Level	Depth	Slope	Pipe Size And Type
SW_8	SZ	150,000	297.35	265.86	1.49	450mm Ø 1000 Concrete
SW_9	SZ	90,000	298.92	268.43	1.49	450mm Ø 1000 Concrete
WH_10	TYPE K MANHOLE	60,000	285.68	284.19	1.49	450mm Ø 1000 Concrete
WH_11	TYPE K MANHOLE	37,000	282.56	281.07	1.49	450mm Ø 1000 Concrete
SW_12	D3	10,000	286.07	279.58	1.49	450mm Ø 1000 Concrete
HW_13	TYPE K HEADWALL		276.00	274.51	1.49	450mm Ø 1000 Concrete
SW_1	SZ	420,000	308.17	306.68	1.49	450mm Ø 1000 Concrete
SW_2	SZ	360,000	309.30	298.81	1.49	450mm Ø 1000 Concrete
WH_3	TYPE K MANHOLE	340,000	298.85	297.46	1.49	450mm Ø 1000 Concrete
SW_4	SZ	260,000	288.29	296.80	1.49	450mm Ø 1000 Concrete
WH_5	TYPE K MANHOLE	250,000	288.09	295.59	1.49	450mm Ø 1000 Concrete
SW_6	SZ	210,000	297.84	295.36	1.49	450mm Ø 1000 Concrete
HW_7	TYPE K HEADWALL		296.71	295.22	1.49	450mm Ø 1000 Concrete

STORMWATER NOTES:

1. FOR DETAILS ON INLETS, MANHOLES AND HEADWALLS REFER TO STD DRAWING No's. 38571, 38572, 38573 AND 38576.
2. FINAL INLET, MANHOLE AND HEADWALL POSITION AND LEVELS TO BE DETERMINED ON SITE BY ENGINEER.
3. EXTENT OF RENO MATTRESS PROTECTION TO BE CONFIRMED ON SITE BY ENGINEER.



TYPICAL CROSS SECTION
Scale 1 : 25



PAVEMENT DESIGN LAYERS
Scale 1 : 10



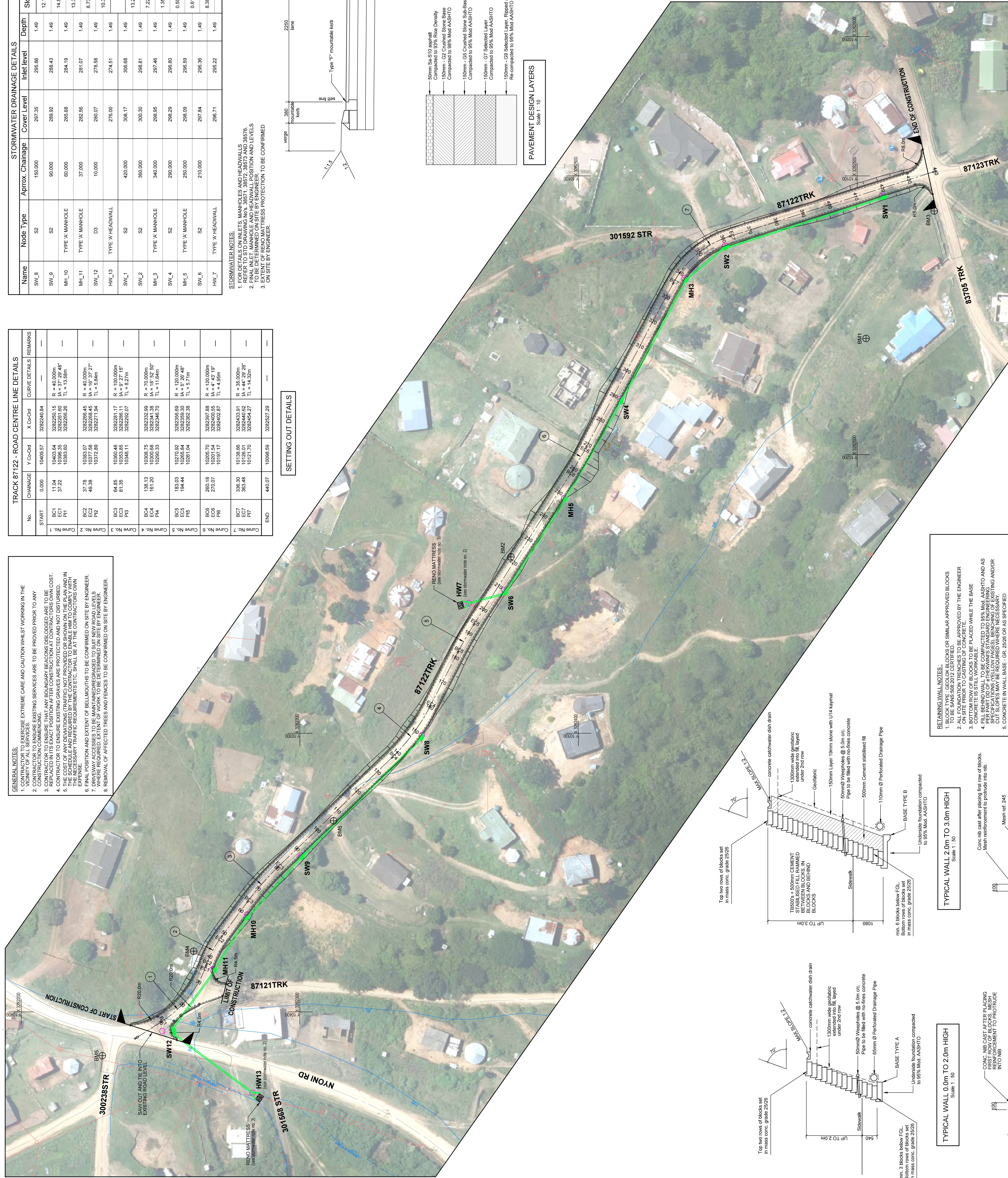
DRAFTING SYMBOLS		Proposed	Existing
DETAIL	CENTERLINE		
WATERMAIN DUCT			
TELECOM CABLE DUCT			
ELECTRIC CABLE DUCT			
ELECTRIC CABLES			
ELECTRIC LIGHT POLE			
TRAFFIC SIGNAL			
CONSUMER DISTRIBUTION UNIT			
TELECOM CABLES			
TELEPHONE POLE			
SEWER			
STORMWATER DRAIN			
STORMWATER INLET			
SOUP			
KERB AND CHANNEL			
EARTH EMBANKMENT			
WATERMAIN			
VALVE			
FIRE PLUG			
STANDARD HYDRANT			
ENTERING MAIN TO THE EXISTING CATCHPIPE TO BE CONVERTED TO MAIN			

New Road Area	m ²
Unsurfaced to Surfaced	km's

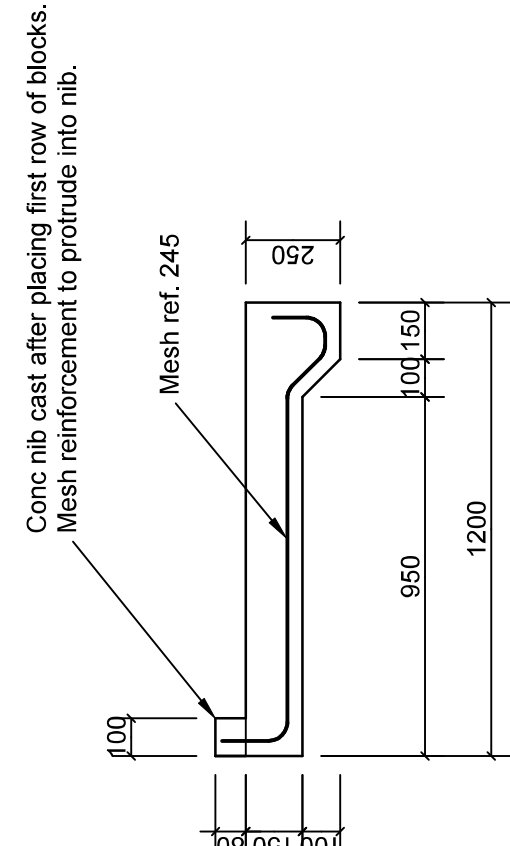
FOR TENDER PURPOSES ONLY

TRACK 87722 - ROAD CENTRE LINE DETAILS				
CHAMPAE	Y Co-Ord	X Co-Ord	CURVE DETAILS	REMARKS
START	10040.57	332340.04	—	—
B/C1	11.04	10040.57	R = 40.00m	—
B/C2	11.04	10040.57	R = 40.00m	—
P1	3722	10033.60	TL = 13.58m	—
P2	1033.07	332359.51	TL = 13.58m	—
B/C2	1033.07	332359.51	R = 40.00m	—
B/C3	37.38	10337.56	TL = 13.58m	—
P2	1037.69	332327.14	TL = 13.58m	—
B/C3	1037.69	332327.14	R = 40.00m	—
B/C4	64.56	10390.48	R = 100.00m	—
P3	91.55	10348.11	TL = 8.27m	—
B/C4	138.13	10308.75	R = 200.00m	—
B/C5	191.20	10260.33	TL = 11.64m	—
P4	100.00	332343.69	TL = 11.64m	—
B/C5	100.00	332343.69	R = 200.00m	—
P5	10261.04	332332.38	TL = 5.71m	—
B/C5	183.03	10270.92	R = 100.00m	—
P6	100.00	332343.69	TL = 4.56m	—
B/C6	200.17	10055.70	R = 40.00m	—
P7	100.00	332340.05	TL = 4.56m	—
B/C6	200.17	10055.70	R = 40.00m	—
P8	100.00	332340.05	TL = 4.56m	—
B/C7	330.80	10138.69	R = 40.00m	—
P9	100.00	332343.69	TL = 4.56m	—
B/C7	330.80	10138.69	R = 40.00m	—
P10	100.00	332343.69	TL = 4.56m	—
B/C8	440.07	10068.59	R = 200.00m	—
P11	100.00	332327.29	TL = 4.56m	—
B/C8	440.07	10068.59	R = 200.00m	—
P12	100.00	332327.29	TL = 4.56m	—
END	440.07	10068.59	—	—

SETTING OUT DETAILS

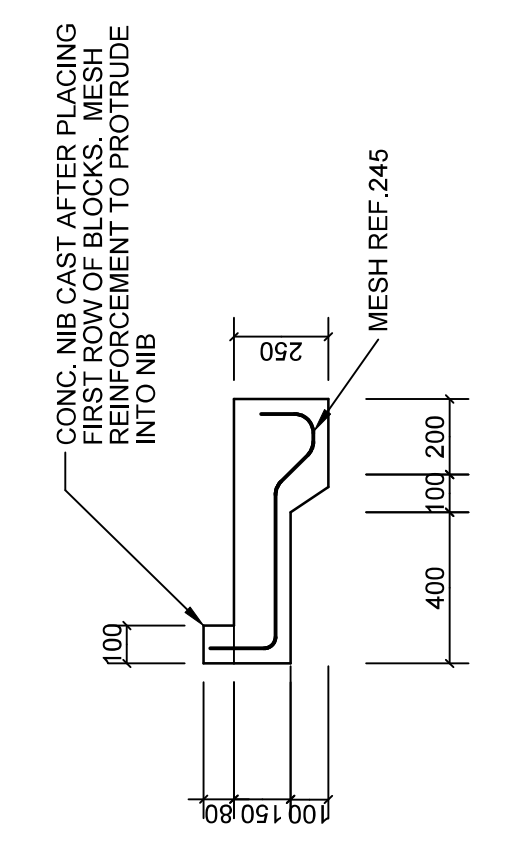


TYPICAL WALL 2.0m TO 3.0m HIGH
Scale 1 : 50



BASE TYPE B
1-20

TYPICAL WALL 0.0m TO 2.0m HIGH
Scale 1 : 50



BASE TYPE A
1:20