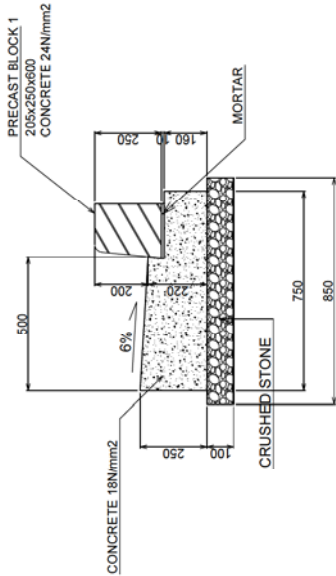
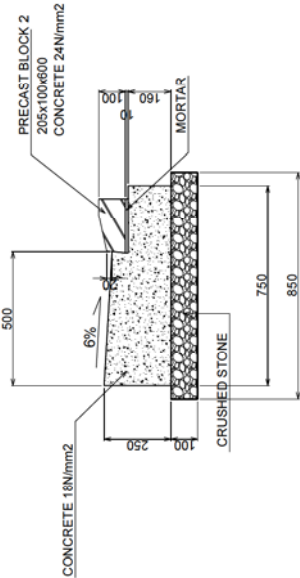


DRAINAGE STRUCTURE GENERAL DRAWINGS (1) S=1:10

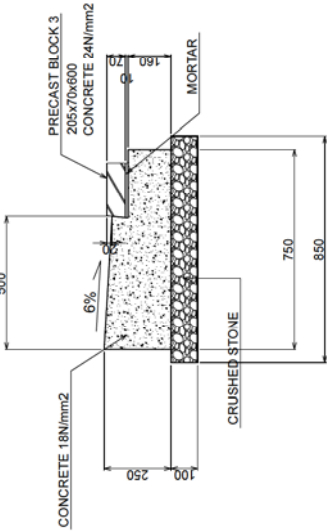
Type1
CS-200A



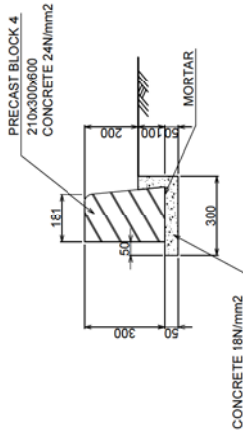
Type1-2
CS-100A



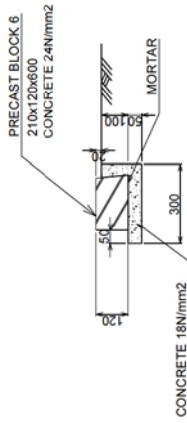
Type1-3
CS-70A



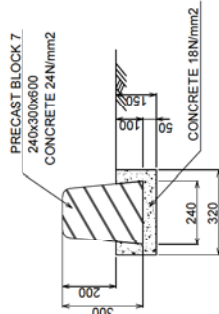
Type2



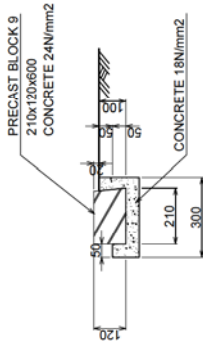
Type2-3



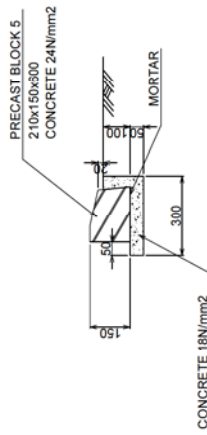
Type3



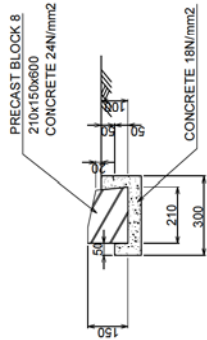
Type3-3



Type2-2



Type3-2



SOLOMON ISLANDS GOVERNMENT
MINISTRY OF
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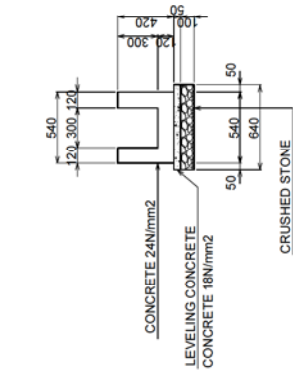
PREPARATORY SURVEY ON
THE PROJECT FOR UPGRADING OF
THE KUKUM HIGHWAY PHASE 2

DRAINAGE STRUCTURE
GENERAL DRAWINGS (1)

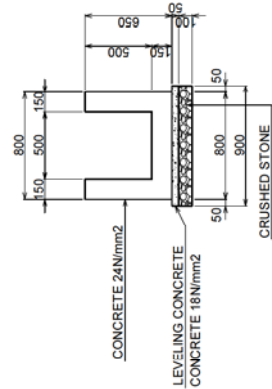
Drawing No. 054
SCALE 1:10
DATE

DRAINAGE STRUCTURE GENERAL DRAWINGS (2) S=1:20

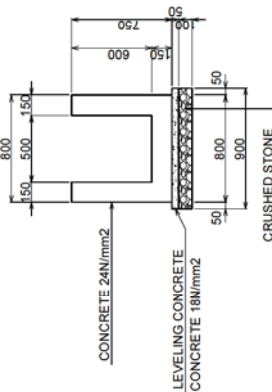
U-0.30-0.30



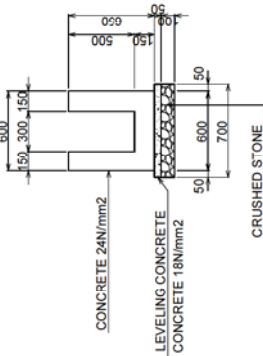
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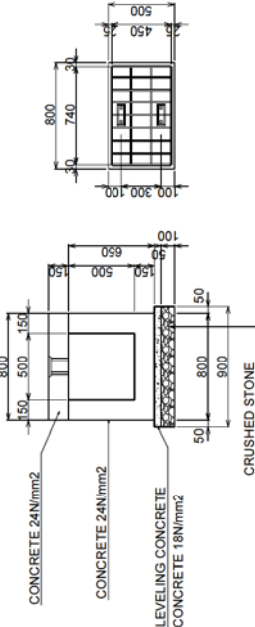
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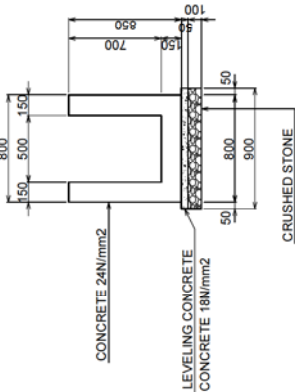
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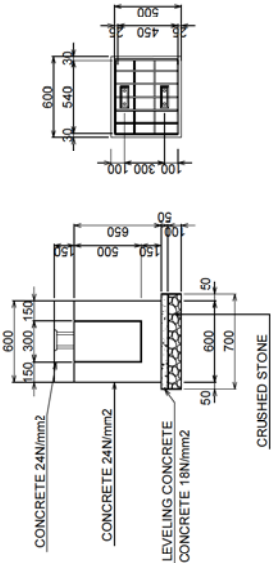
U-0.50-0.50 (COVER)



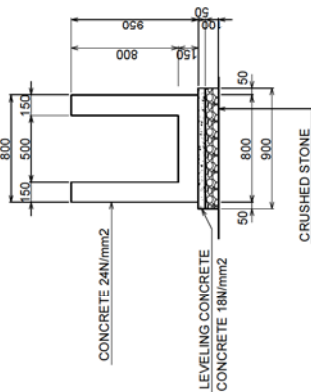
U-0.50-0.70



U-0.30-0.50 (COVER)



U-0.50-0.80



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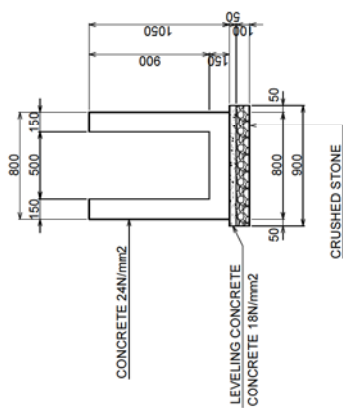
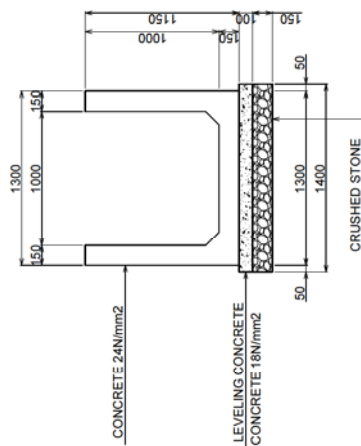
PREPARATORY SURVEY ON
THE PROJECT FOR UPGRADING OF
THE KUKUM HIGHWAY PHASE 2

TITLE :
DRAINAGE STRUCTURE
GENERAL DRAWINGS (2)

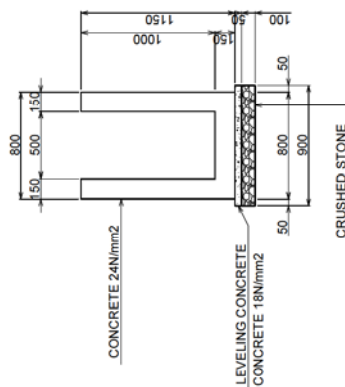
Drawing No. 055
SCALE 1:20
DATE

DRAINAGE STRUCTURE GENERAL DRAWINGS (3) S=1:20

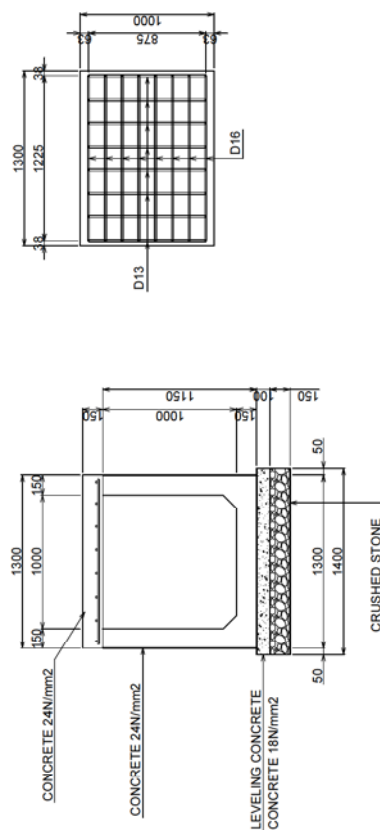
U-0.50-0.90

U-1.00-1.00

U-0.50-1.00



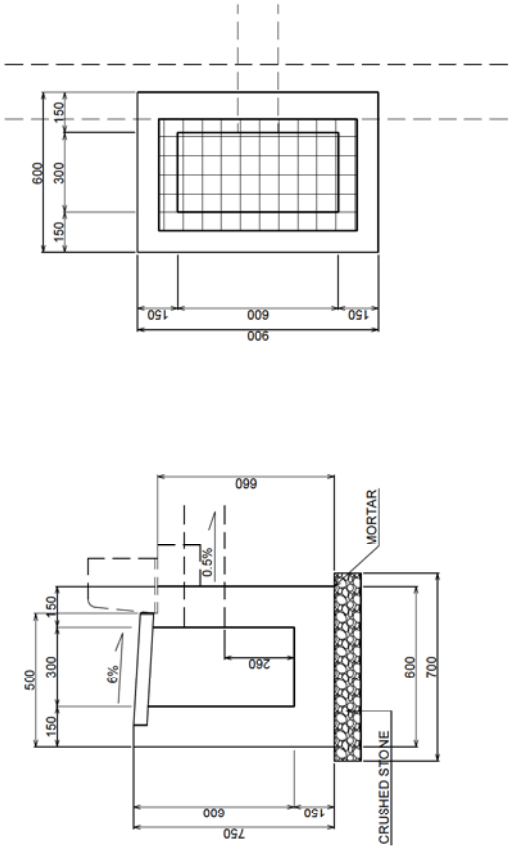
U-1.00-1.00(COVER)



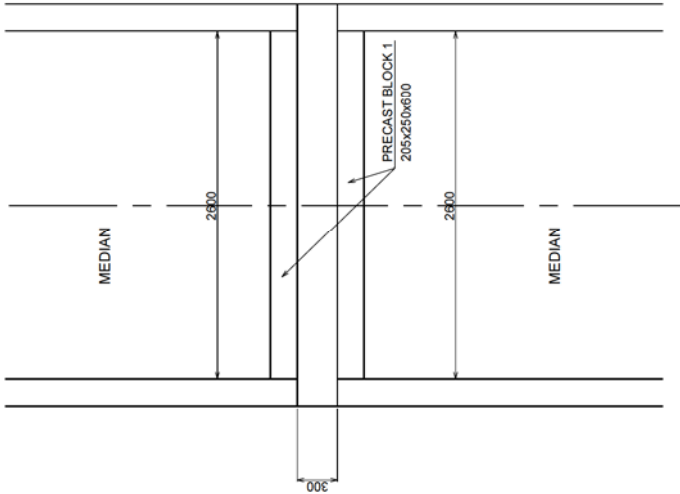
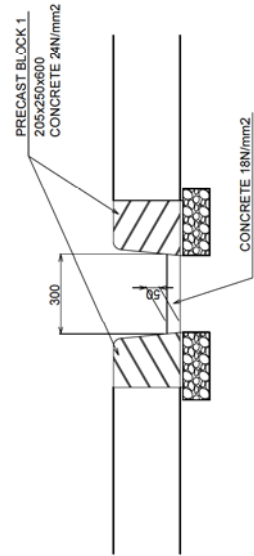
 SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by : _____ Date: _____	 CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by : _____ Date: _____ Checked by : _____ Date: _____	PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGH-WAY PHASE 2	TITLE :	DRAINAGE STRUCTURE GENERAL DRAWINGS (3)	Drawing No.	056
			SCALE		1:20	
			DATE			

DRAINAGE STRUCTURE GENERAL DRAWINGS (5)

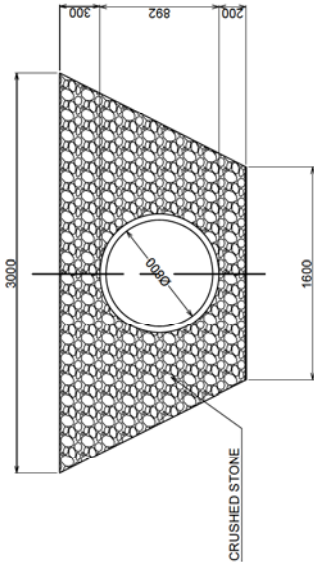
CATCH BASIN S=1:10



MEDIAN OPENINGS FOR DRAINAGE S=1:10



FIBERGLASS REINFORCED PLASTIC MORTAR PIPE D-0.80 S=1:20



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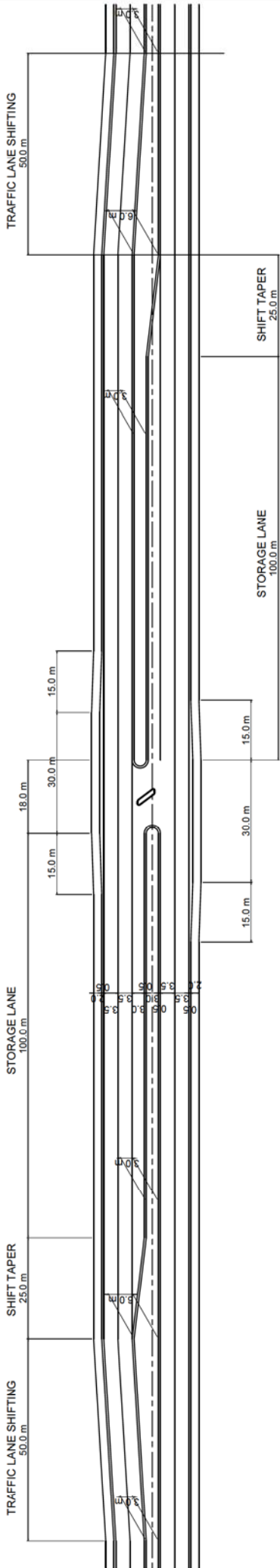
PREPARATORY SURVEY ON
THE PROJECT FOR UPGRADING OF
THE KUKUM HIGHWAY PHASE 2

TITLE :
DRAINAGE STRUCTURE
GENERAL DRAWINGS (5)

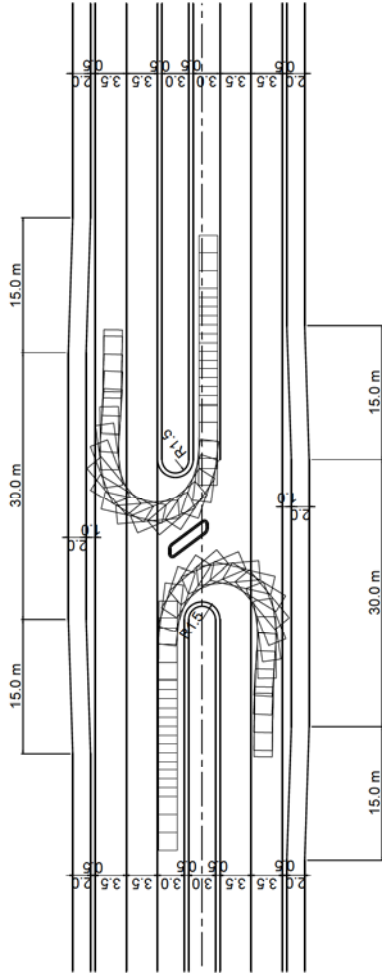
Drawing No. 058
SCALE 1:20, 1:10
DATE

U-TURN LANE GENERAL DRAWINGS

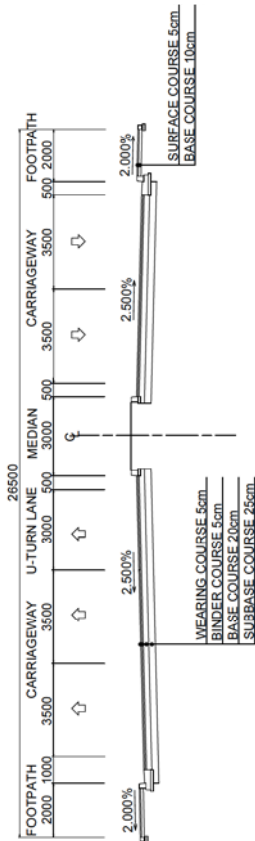
PLAN S=1:500



DETAIL S=1:300



CROSS SECTION S=1:100



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Checked by: _____ Date: _____

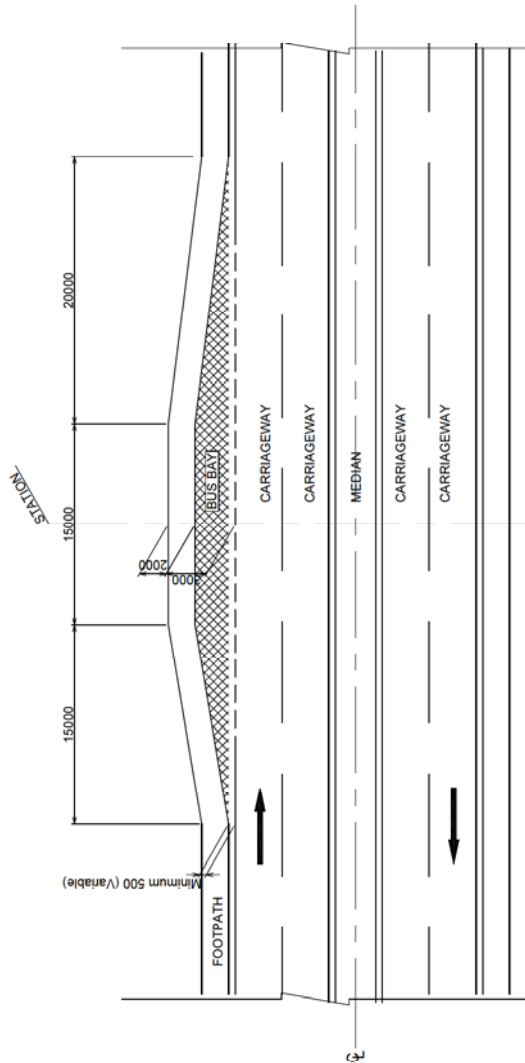
PREPARATORY SURVEY ON
THE PROJECT FOR UPGRADING OF
THE KUKUM HIGHWAY PHASE 2

TITLE :
U-TURN LANE GENERAL DRAWINGS

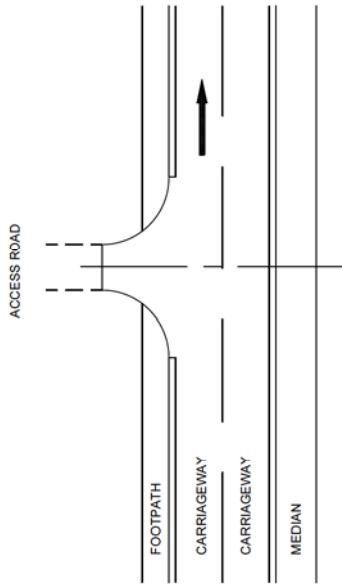
Drawing No. 059
SCALE 1:500, 1:300, 1:100
DATE

GENERAL DRAWINGS OF BUS BAY AND ACCESS ROAD

PLAN S=1:200

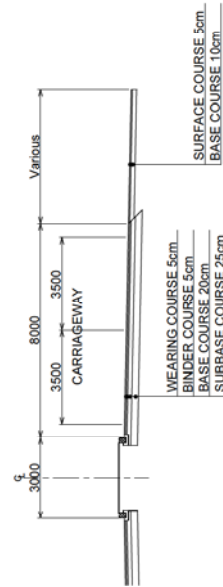
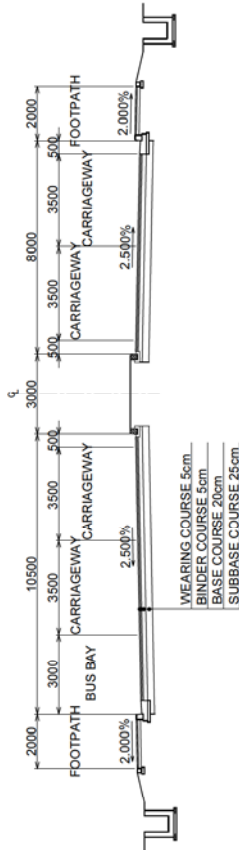


PLAN S=1:200

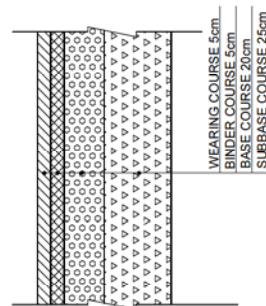


TYPICAL CROSS SECTION S=1:100

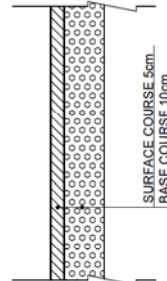
TYPICAL CROSS SECTION S=1:100



PAVEMENT S=1:10



PAVEMENT S=1:10



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Date:



CTI ENGINEERING INTERNATIONAL CO., LTD.

Designed by :
Date:

Checked by :
Date:

PREPARATORY SURVEY ON
THE PROJECT FOR UPGRADING OF
THE KUKUM HIGHWAY PHASE 2

GENERAL DRAWINGS OF
BUS BAY AND ACCESS ROAD

Drawing No.

060

SCALE

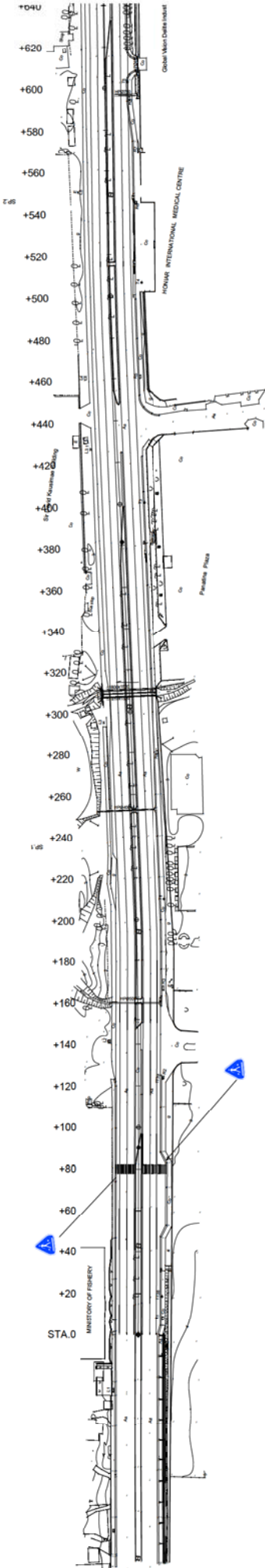
1:400, 1:200
1:20

DATE

LAYOUT PLAN OF TYPICAL TRAFFIC SIGNS (1) S=1:1,000



GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.0476.00



GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.0484.00



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Date: _____



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Designed by : _____ Date: _____
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PREPARATORY SURVEY ON
THE PROJECT FOR UPGRADING OF
THE KUKUM HIGHWAY PHASE 2

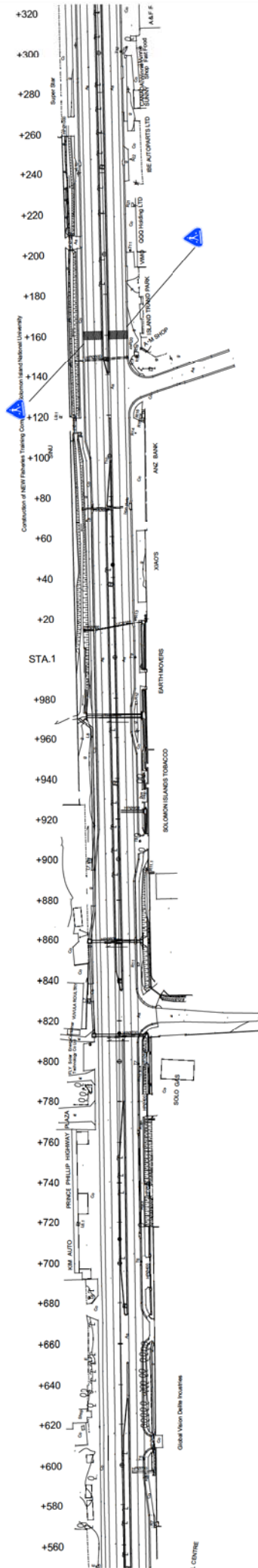
TITLE :
LAYOUT PLAN OF
TYPICAL TRAFFIC SIGNS (1)

Drawing No.	061
SCALE	1:1,000
DATE	

LAYOUT PLAN OF TYPICAL TRAFFIC SIGNS (2) S=1:1,000



GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.11-155.92



GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.11-154.00

	SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by : Date:	 CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by : Checked by : Date: Date:	TITLE : PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2	LAYOUT PLAN OF TYPICAL TRAFFIC SIGNS (2)	Drawing No.	062
					SCALE	1:1,000

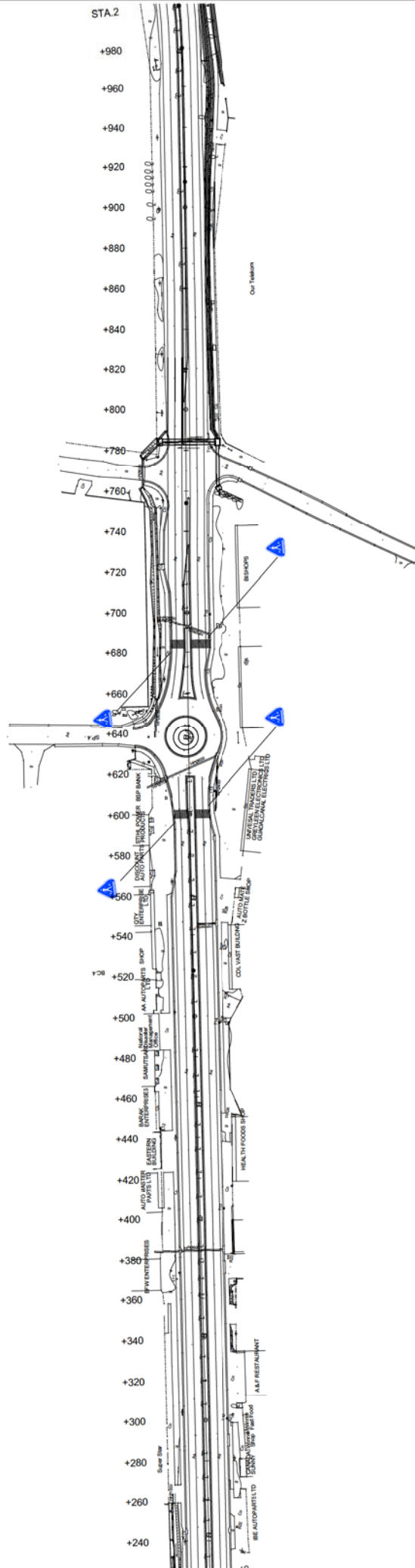
LAYOUT PLAN OF TYPICAL TRAFFIC SIGNS (3) S=1:1,000



GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.1+680.00

GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.1+596.02

CROSSING) N=1



GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.1+604.00

GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.1+688.00

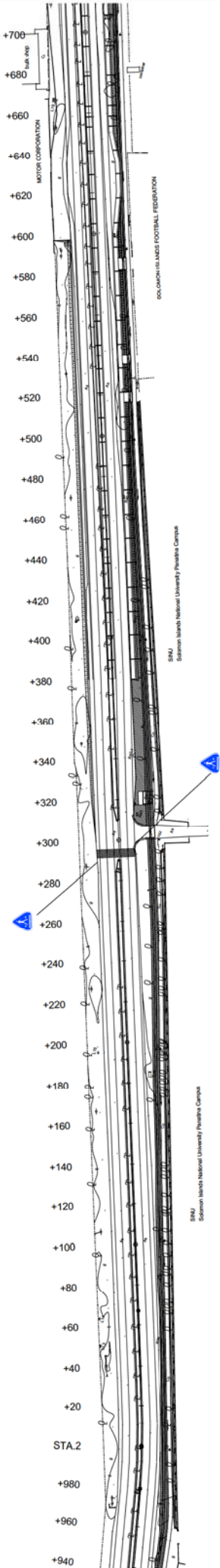
TRAIN CROSSING) N=1

	SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by : _____ Date: _____	 CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by : _____ Checked by : _____ Date: _____ Date: _____	PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2	TITLE : LAYOUT PLAN OF TYPICAL TRAFFIC SIGNS (3)	Drawing No.	063
					SCALE	1:1,000

LAYOUT PLAN OF TYPICAL TRAFFIC SIGNS (4) S=1:1,000

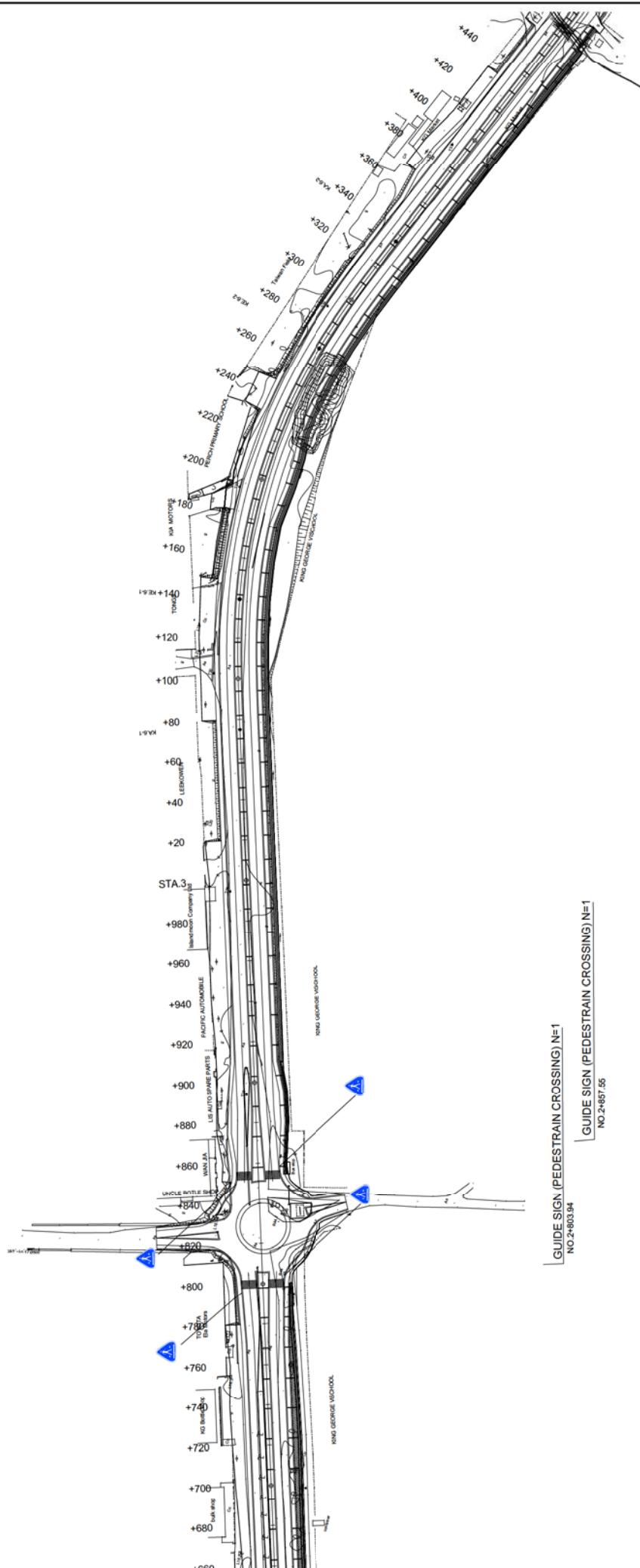
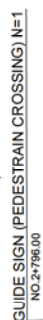


GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.2+289.33



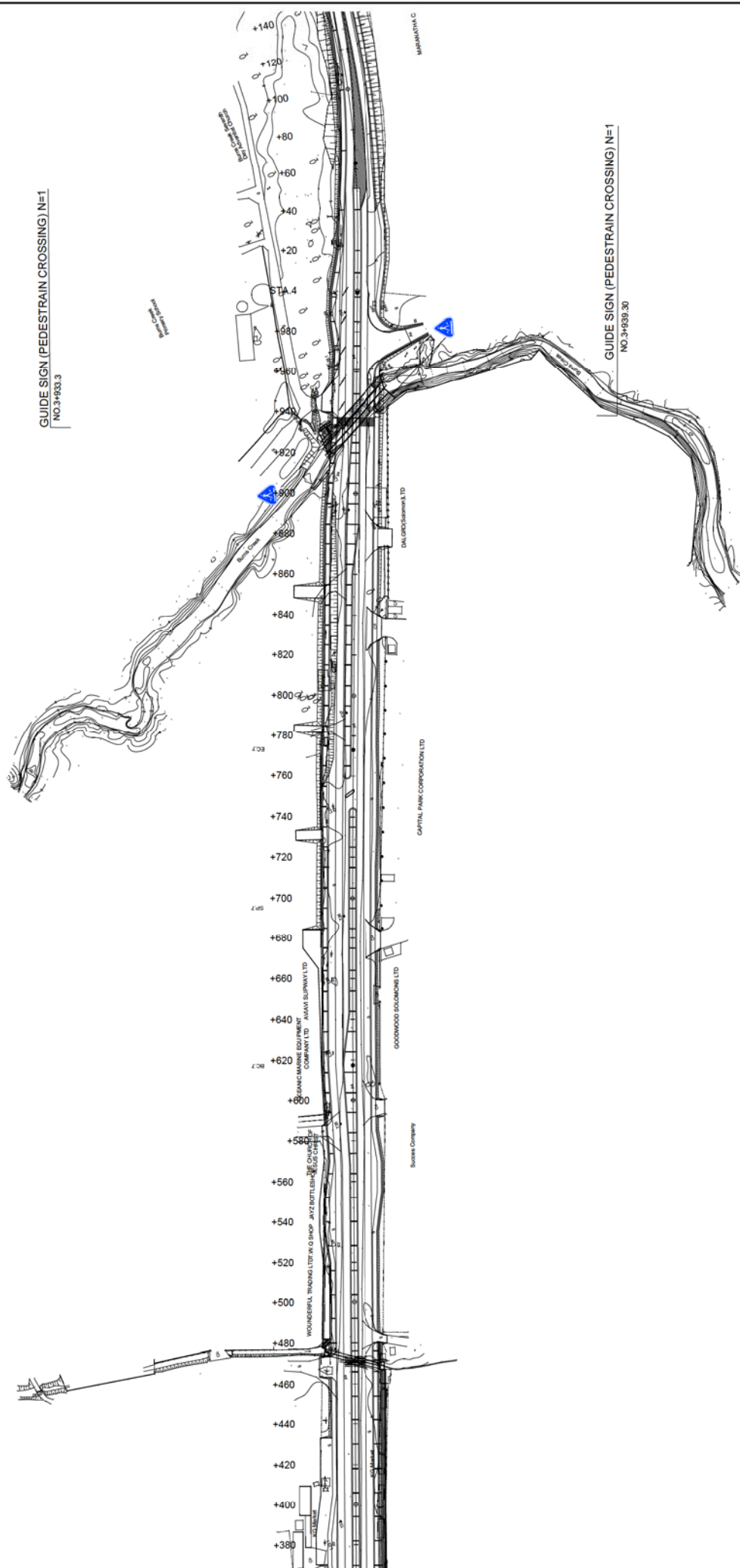
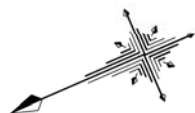
GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.2+297.52

	SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by : Date:		CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by : Checked by : Date: Date:	PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2	TITLE : LAYOUT PLAN OF TYPICAL TRAFFIC SIGNS (4)	Drawing No.	064
						SCALE	1:1,000
						DATE	



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			Approved by : _____	Designed by : _____		Drawing No. 065
			Date: _____	Date: _____		SCALE 1:1,000
				Checked by : _____	DATE	

LAYOUT PLAN OF TYPICAL TRAFFIC SIGNS (6) S=1:1,000



	SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT		CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by: _____ Date: _____ Checked by: _____ Date: _____		TITLE : PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2		Drawing No. 066
	Approved by: _____ Date: _____		LAYOUT PLAN OF TYPICAL TRAFFIC SIGNS (6)		SCALE 1:1,000		DATE



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PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2

LAYOUT PLAN OF
TYPICAL TRAFFIC SIGNS (7)

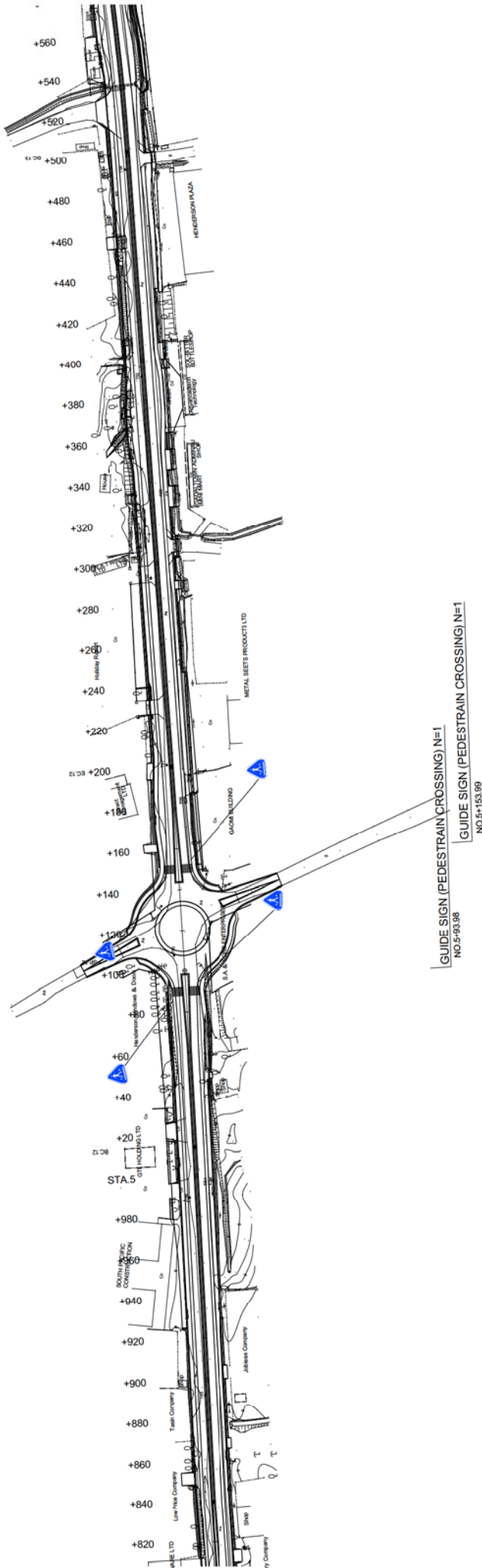
Drawing No.	067
SCALE	1:1,000
DATE	

LAYOUT PLAN OF TYPICAL TRAFFIC SIGNS (8) S=1:1,000



GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.5+146.00

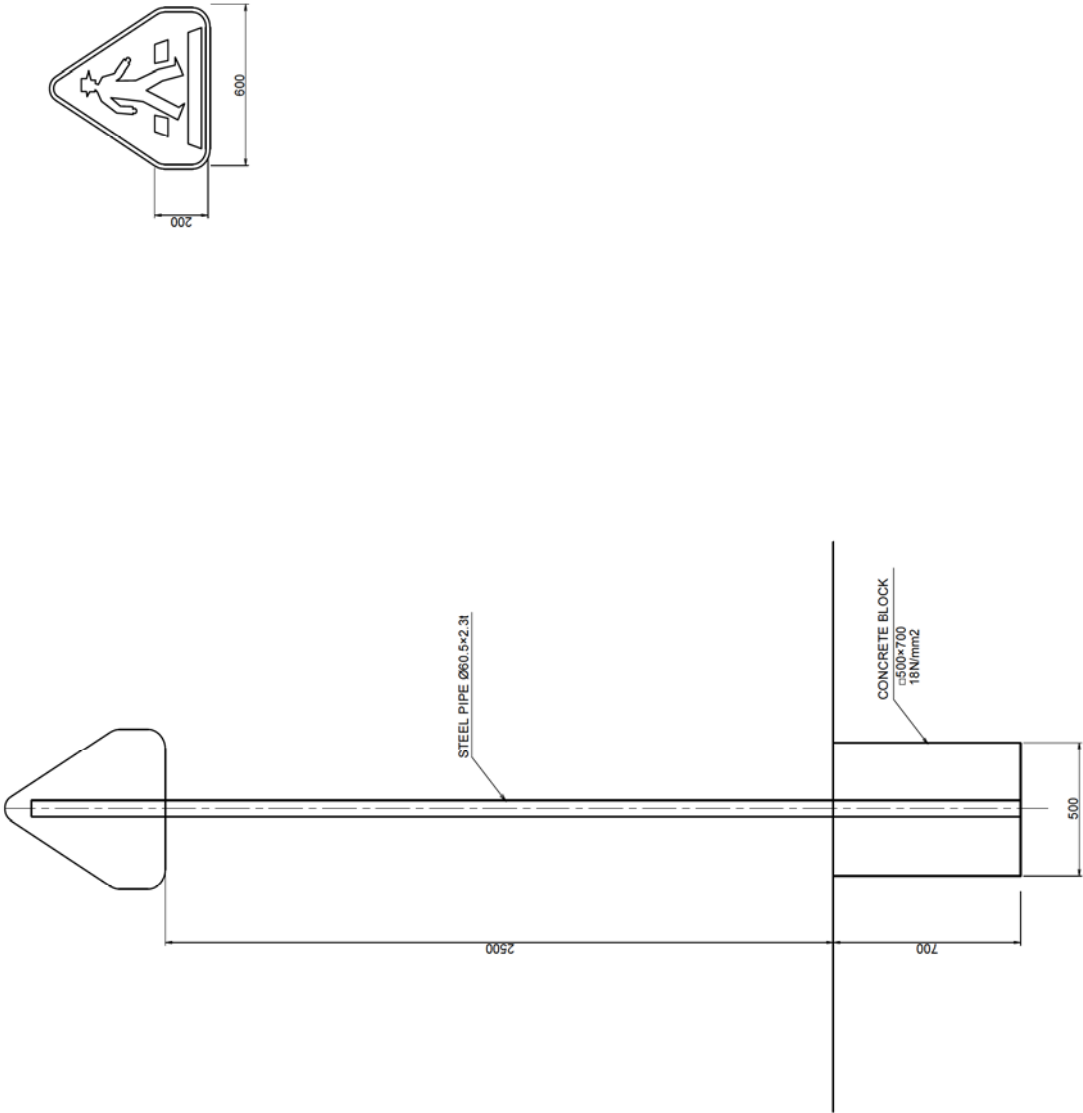
GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.5+486.00



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TYPICAL TRAFFIC SIGNS GENERAL DRAWINGS S=1:10

PEDESTRIAN CROSSING



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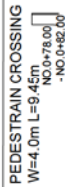
CTI ENGINEERING INTERNATIONAL CO., LTD.
Designed by : _____ Date: _____
Checked by : _____ Date: _____

PREPARATORY SURVEY ON
THE PROJECT FOR UPGRADING OF
THE KUKUM HIGHWAY PHASE 2

TITLE :
TYPICAL TRAFFIC SIGNS
GENERAL DRAWINGS

Drawing No.	069
SCALE	1:10
DATE	

A stylized graphic of a compass rose with a long arrow pointing left. The compass rose has four main directions and four intermediate directions, each marked with a small arrowhead. The main arrow is a long, thin line with a triangular head pointing to the left.



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			LAYOUT PLAN OF ROAD MARKINGS (1)	SCALE	1:1,000
				DATE	

LAYOUT PLAN OF ROAD MARKINGS (2) S=1:1,000

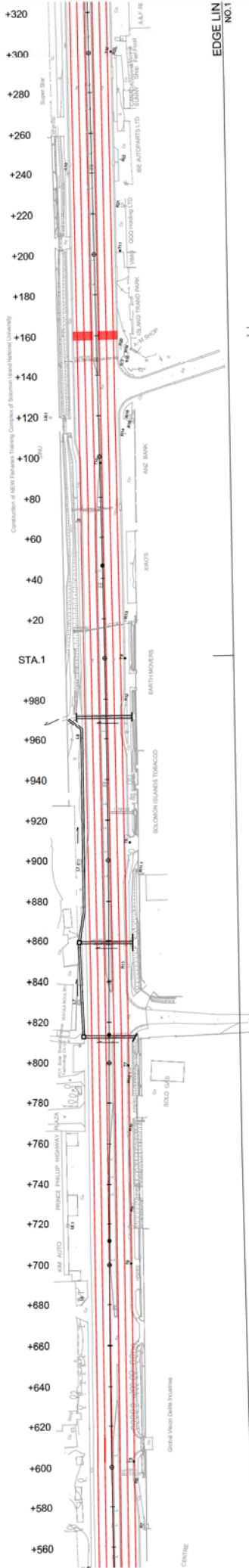


EDGE LINE (A)
NO.1+0.0

LANE LINE (B)
NO.1+0.1

EDGE LINE
NO.1+1

PEDESTRAIN CROSSING W=4.0m L=9.45m
NO.1+98.00 - NO.1+162.00



EDGE LIN
NO.1

PEDESTRAIN CROSSING W=4.0m L=9.45m
NO.1+168.00 - NO.1+162.00

LANE LIN
NC

EDGE LIN
NO



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Date:

CTI ENGINEERING INTERNATIONAL CO., LTD.
Designed by :
Checked by :
Date:
Date:

PREPARATORY SURVEY ON
THE PROJECT FOR UPGRADING OF
THE KUKUM HIGHWAY PHASE 2

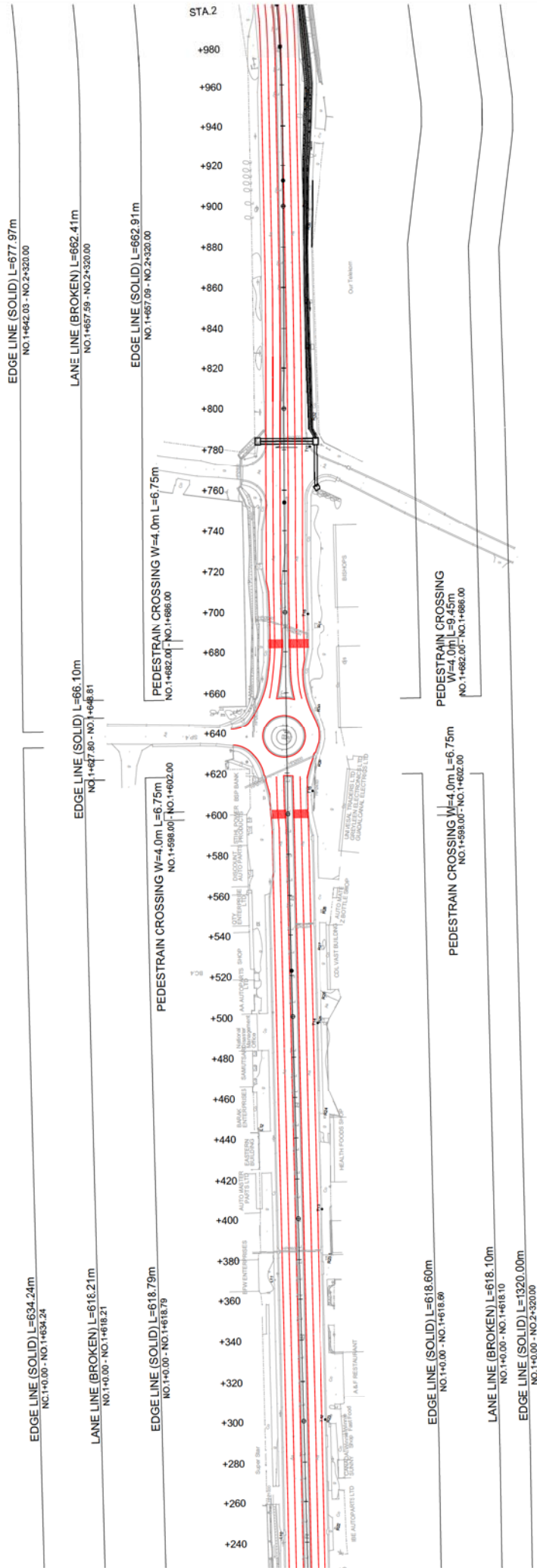
TITLE :
LAYOUT PLAN OF ROAD MARKINGS (2)

Drawing No. 071

SCALE 1:1,000

DATE

LAYOUT PLAN OF ROAD MARKINGS (3) S=1:1,000



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					SCALE	1:1,000
					DATE	

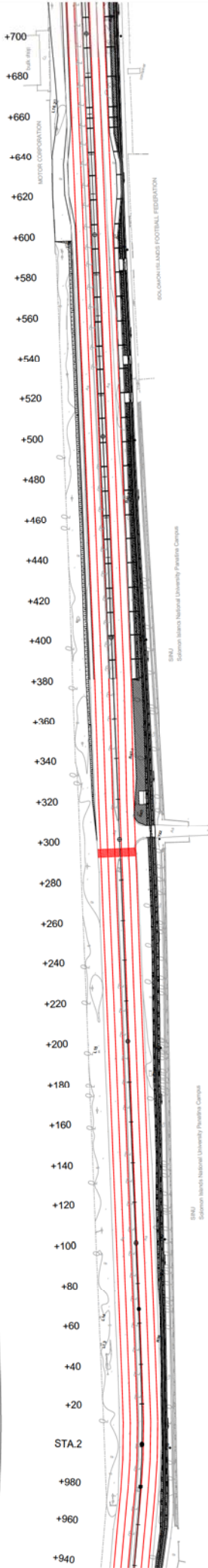
LAYOUT PLAN OF ROAD MARKINGS (4) S=1:1,000



EDGE LINE (SOLID) L=499.37m
NO.2+320.00 - NO.2+819.37

LANE LINE (BROKEN) L=486.00m
NO.2+320.00 - NO.2+806.00

EDGE LINE (SOLID) L=486.50m
NO.2+320.00 - NO.2+806.50



EDGE LINE (SOLID) L=486.00m
NO.2+320.00 - NO.2+806.00

LANE LINE (BROKEN) L=486.00m
NO.2+320.00 - NO.2+806.00

EDGE LINE (SOLID) L=512.13m
NO.2+320.00 - NO.2+832.13

PEDESTRAIN CROSSING W=4.0m L=18.45m
NO.2+291.52 - NO.2+295.52

EDGE LINE (SOLID) L=663.42m
NO.1+656.58 - NO.2+320.00

LANE LINE (BROKEN) L=662.92m
NO.1+657.08 - NO.2+320.00



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Date: _____



CTI ENGINEERING INTERNATIONAL CO., LTD.

Designed by : _____
Checked by : _____

Date: _____

Date: _____

PREPARATORY SURVEY ON
THE PROJECT FOR UPGRADING OF
THE KUKUM HIGHWAY PHASE 2

TITLE :

LAYOUT PLAN OF ROAD MARKINGS (4)

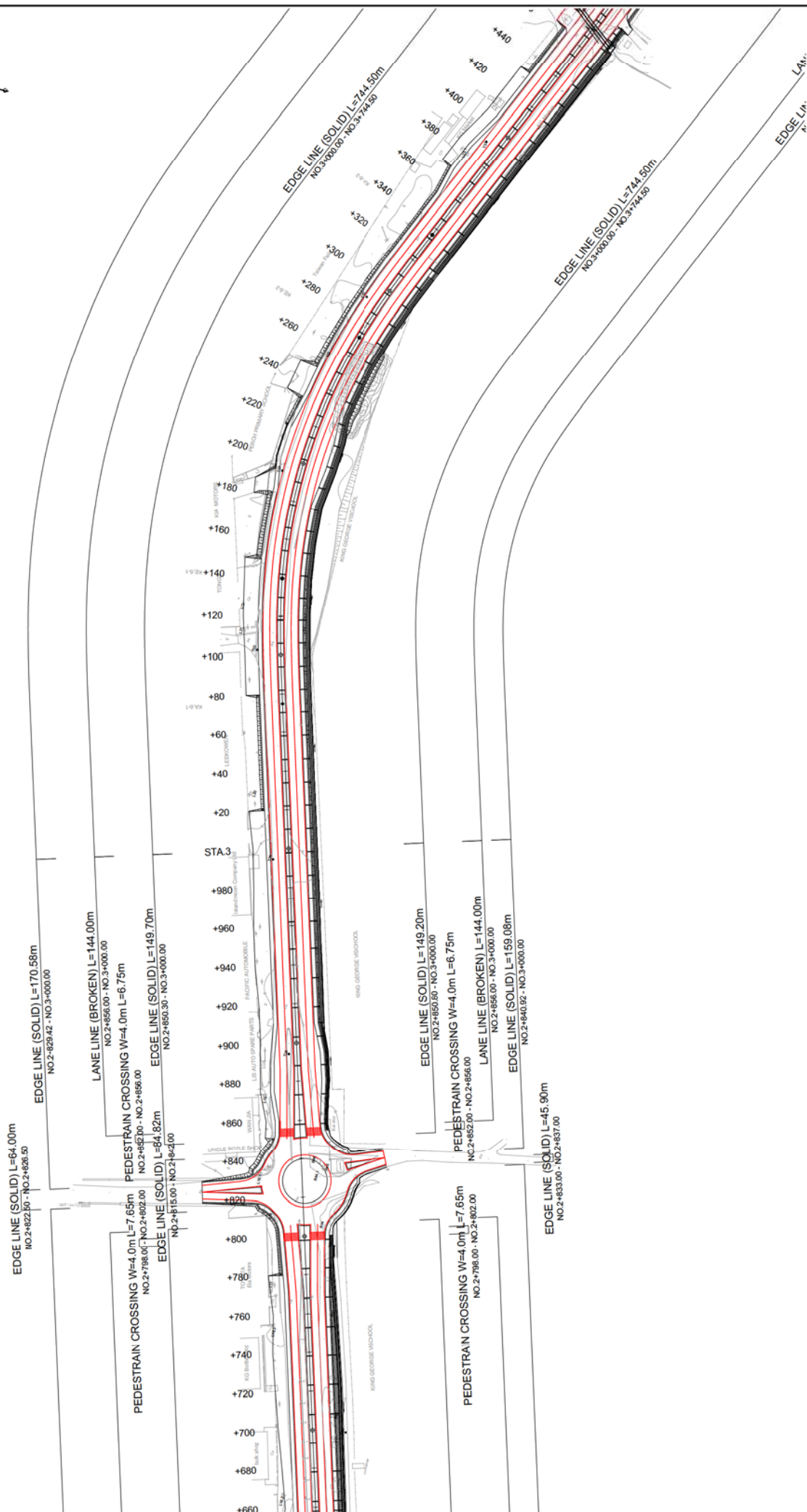
Drawing No.

073

SCALE

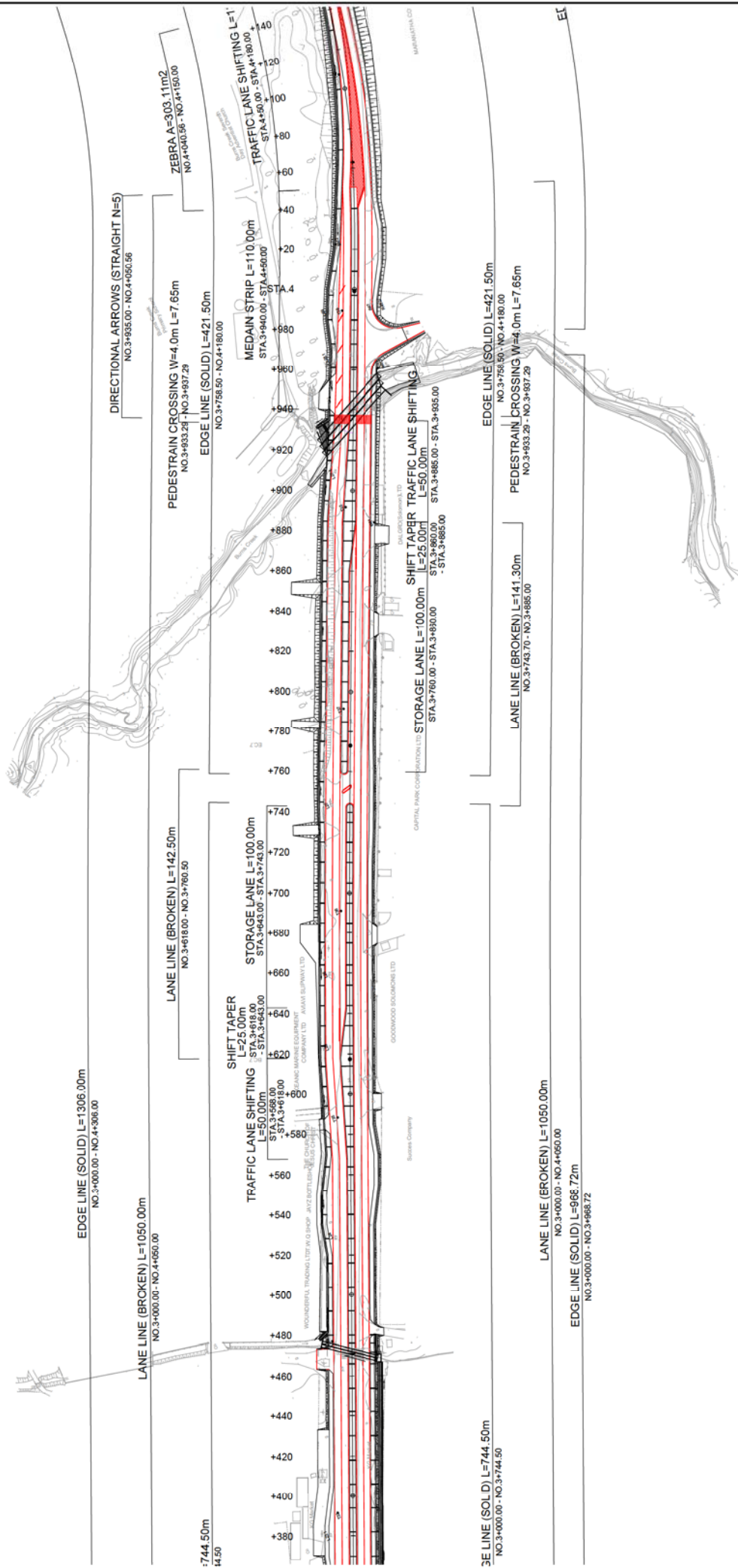
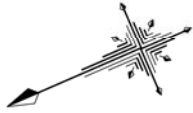
1:1,000

DATE



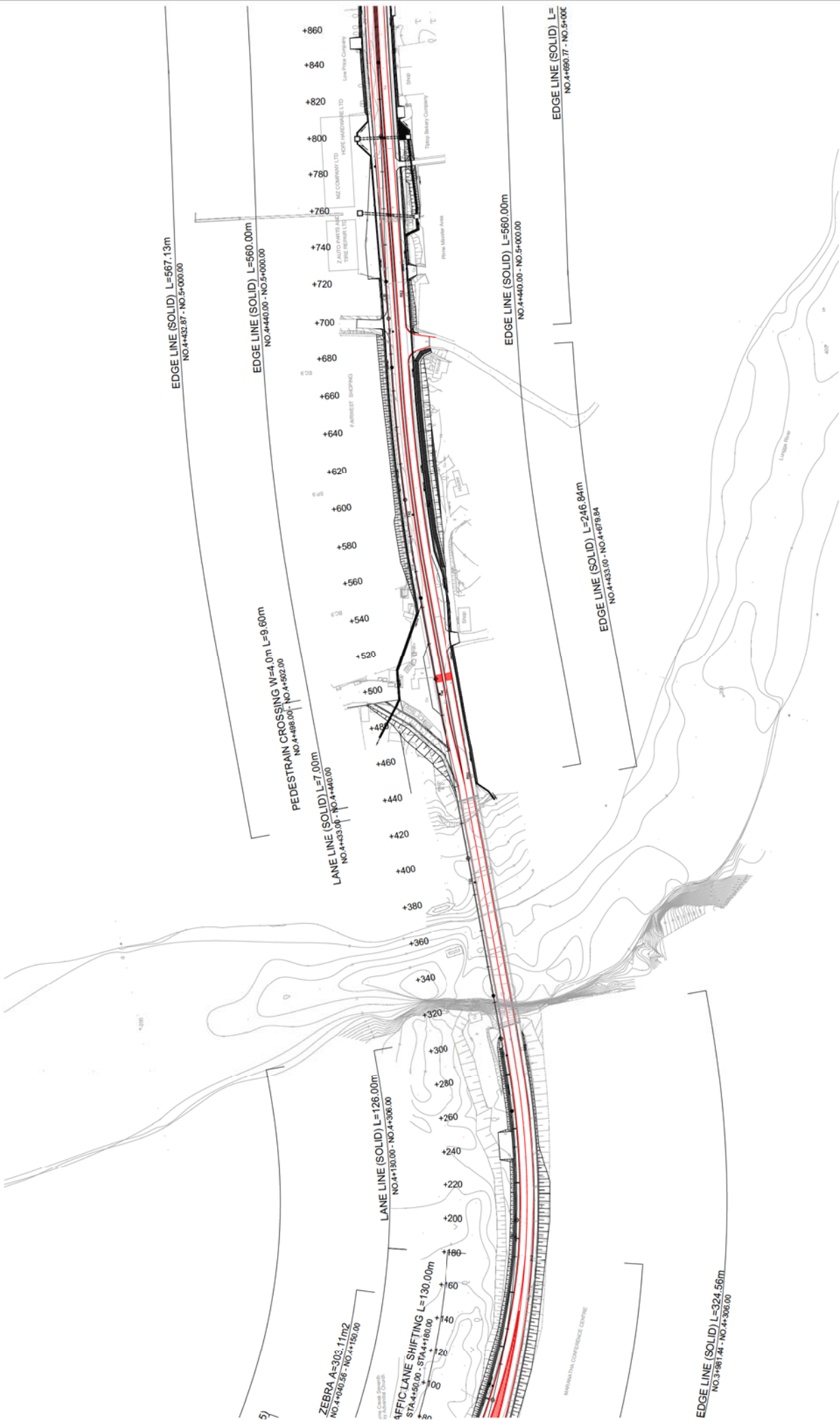
 SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by : _____ Date: _____	 CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by : _____ Date: _____ Checked by : _____ Date: _____	TITLE : PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2		Drawing No.	074
		LAYOUT PLAN OF ROAD MARKINGS (5)		SCALE	1:1,000
				DATE	

LAYOUT PLAN OF ROAD MARKINGS (6) S=1:1,000



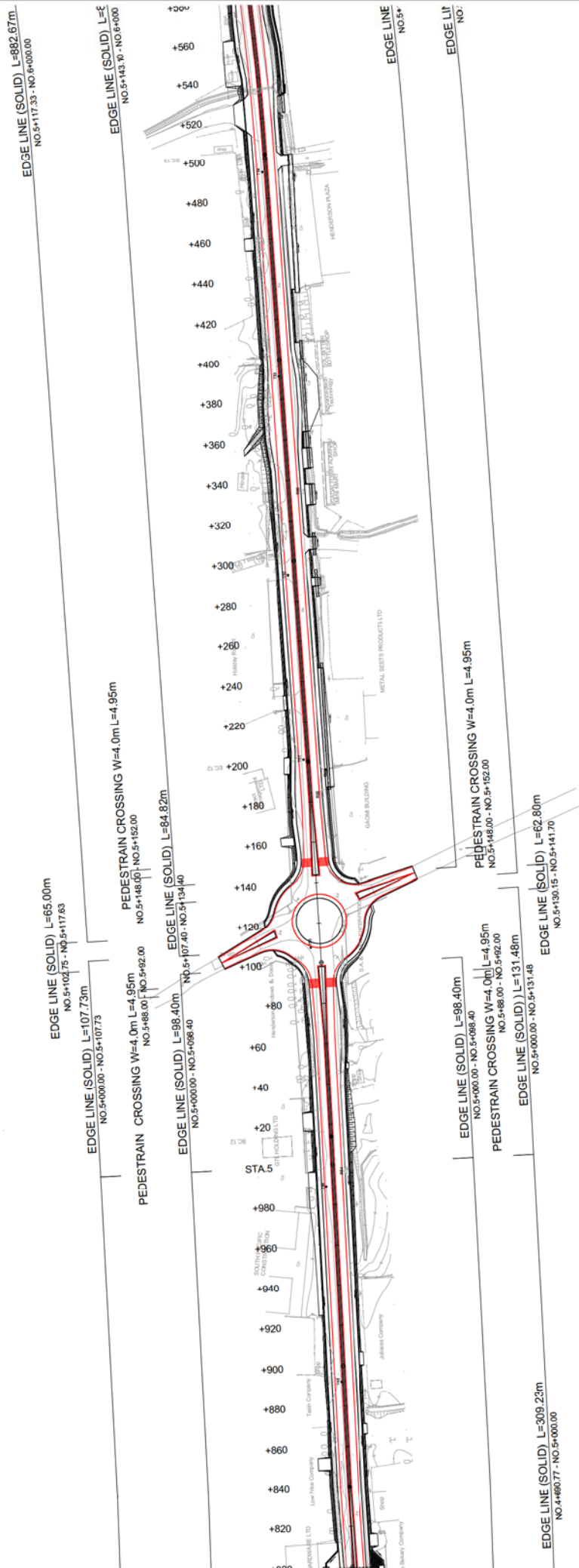
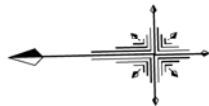
	SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT		CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by: _____ Date: _____ Checked by: _____ Date: _____	PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2	TITLE : LAYOUT PLAN OF ROAD MARKINGS (6)	Drawing No.	075
						SCALE	1:1,000
						DATE	

LAYOUT PLAN OF ROAD MARKINGS (7) S=1:1,000



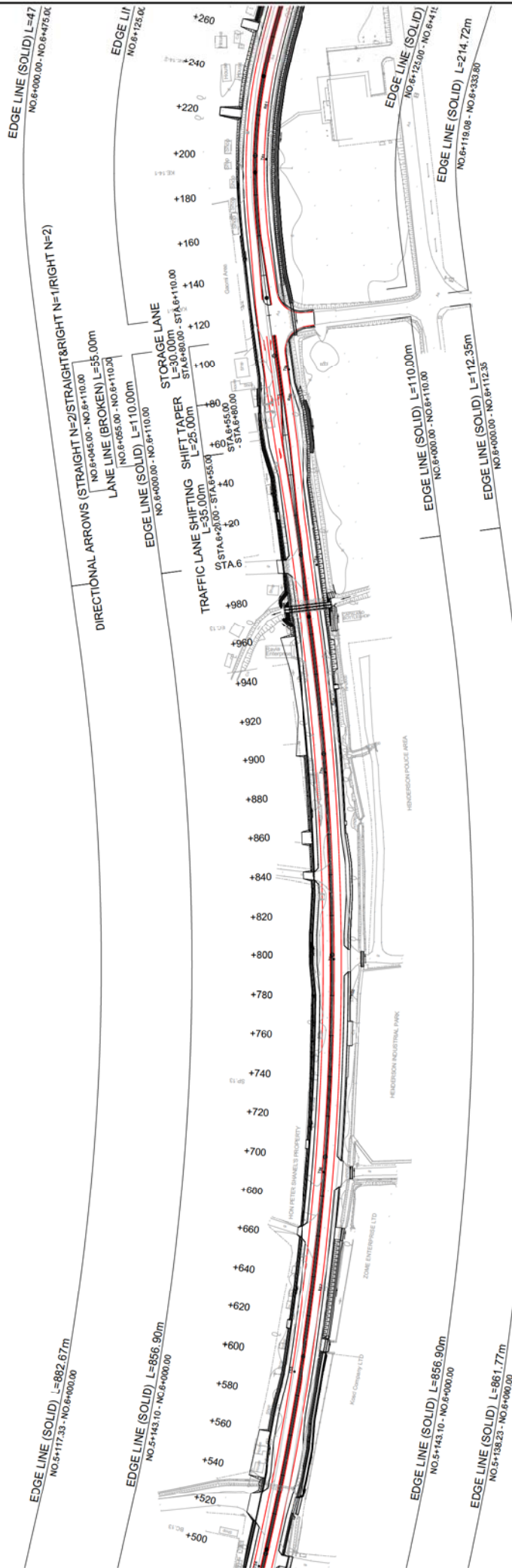
	SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT				
	Approved by: _____	Date: _____			
					
CTI ENGINEERING INTERNATIONAL CO., LTD.		Designed by: _____		Date: _____	
		Checked by: _____		Date: _____	
		PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2		TITLE: LAYOUT PLAN OF ROAD MARKINGS (7)	
				Drawing No.	076
				SCALE	1:1,000
				DATE	

LAYOUT PLAN OF ROAD MARKINGS (8) S=1:1,000



	SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT			CTI ENGINEERING INTERNATIONAL CO., LTD.		PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2		TITLE : LAYOUT PLAN OF ROAD MARKINGS (8)		Drawing No.		077
	Approved by : _____			Date: _____						SCALE		1:1,000
												DATE

LAYOUT PLAN OF ROAD MARKINGS (9) S=1:1,000



	SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT			CTI ENGINEERING INTERNATIONAL CO., LTD.		PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2	TITLE :		Drawing No.	078		
	Approved by : _____ Date: _____			Designed by : _____ Date: _____ Checked by : _____ Date: _____			LAYOUT PLAN OF ROAD MARKINGS (9)		SCALE		1:1,000	
								DATE				



 SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by : _____ Date: _____	 CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by : _____ Date: _____ Checked by : _____ Date: _____	PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2	TITLE :	Drawing No.	079
			LAYOUT PLAN OF ROAD MARKINGS (10)	SCALE	1:1,000
				DATE	

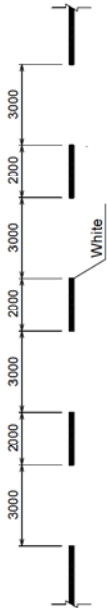
ROAD MARKINGS GENERAL DRAWINGS

ROAD LINES S=1:100

LANE LINE 1 (W=150)



LANE LINE 2 (FOR RIGHT TURN and BUS BAY) (W=150)



EDGE LINE (W=150)



STOP LINE (W=450)



ZEBRA



DIRECTIONAL ARROWS S=1:50

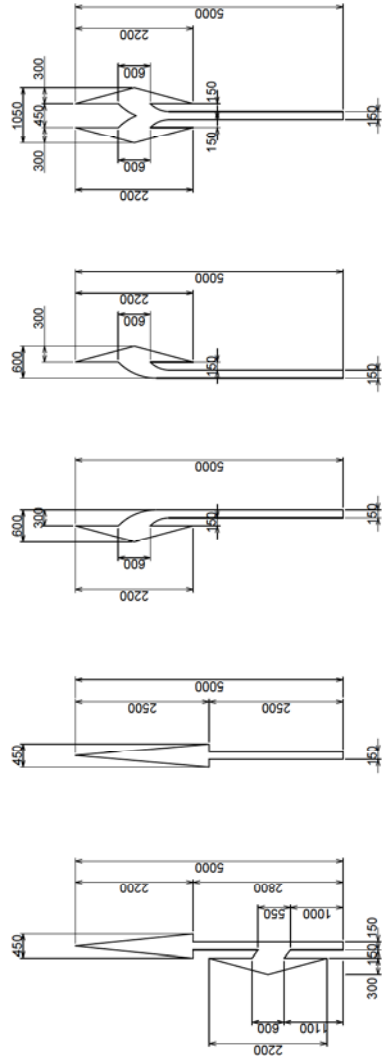
STRAIGHT AND LEFT

STRAIGHT

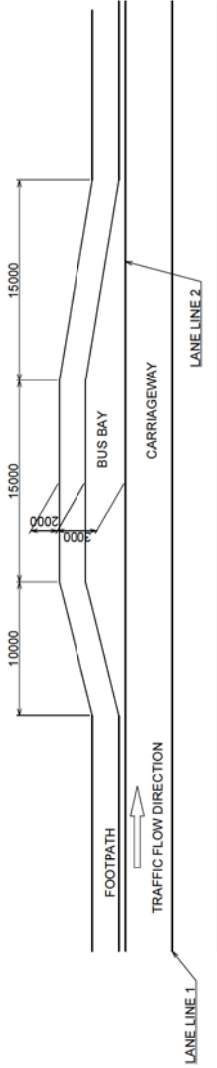
LEFT

RIGHT

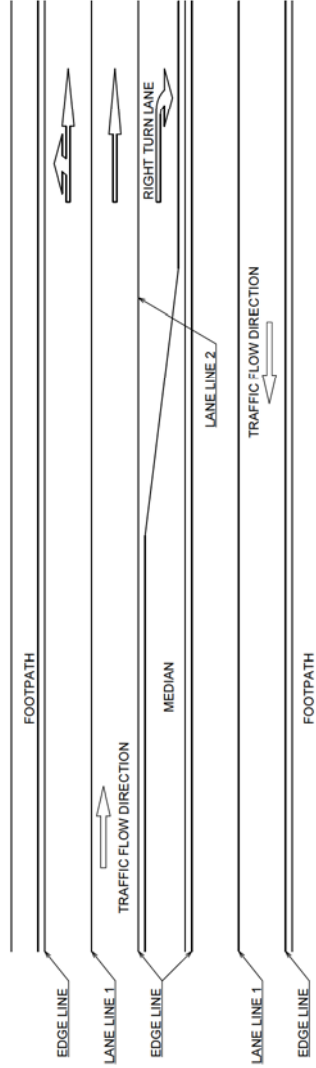
LEFT AND RIGHT



LANE LINE 2 (FOR BUS BAY) S=1:200



EDGE LINE (for RIGHT TURN) and LANE LINE S=1:200



SOLOMON ISLANDS GOVERNMENT
MINISTRY OF
INFRASTRUCTURE DEVELOPMENT

CTI ENGINEERING INTERNATIONAL CO., LTD.
Designed by: _____ Date: _____
Checked by: _____ Date: _____

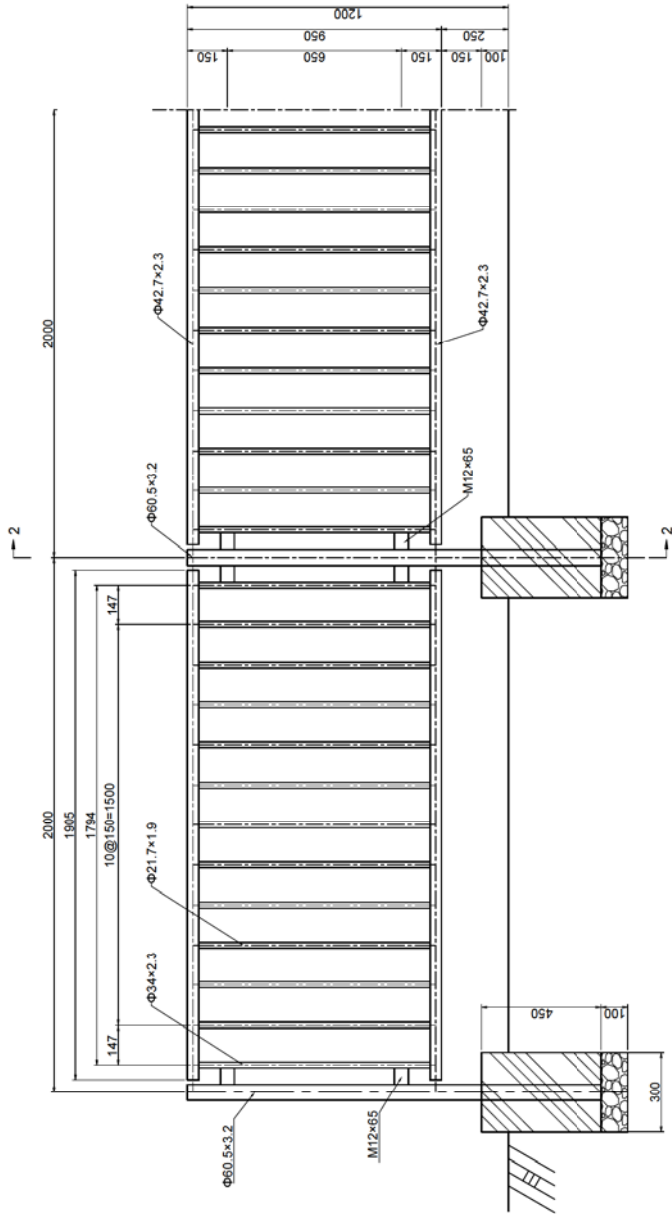
PREPARATORY SURVEY ON
THE PROJECT FOR UPGRADING OF
THE KUKUM HIGHWAY PHASE 2

TITLE :
ROAD MARKINGS
GENERAL DRAWINGS

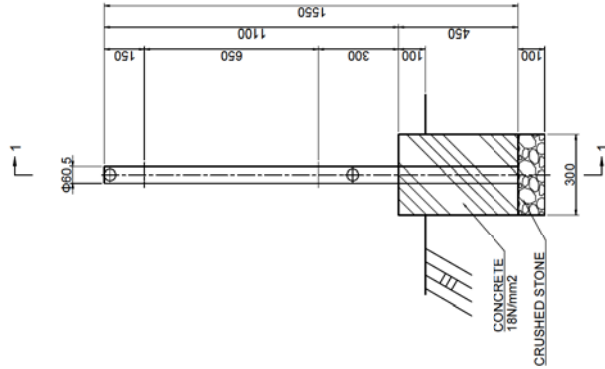
Drawing No. 080
SCALE 1:200, 1:100, 1:50
DATE

HANDRAILS GENERAL DRAWINGS

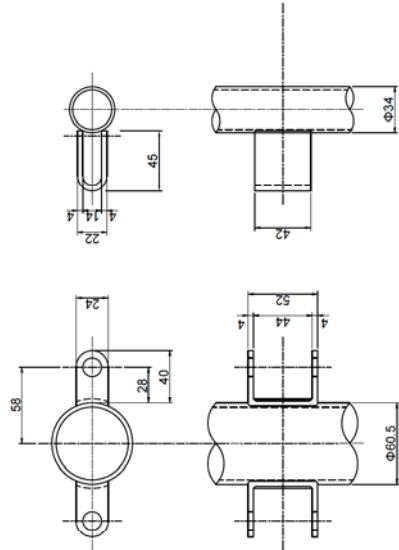
SECTION 1 - 1 S=1:10



SECTION 2 - 2 S=1:10



DETAIL OF FITTING PARTS S=1:2



SOLOMON ISLANDS GOVERNMENT
MINISTRY OF
INFRASTRUCTURE DEVELOPMENT



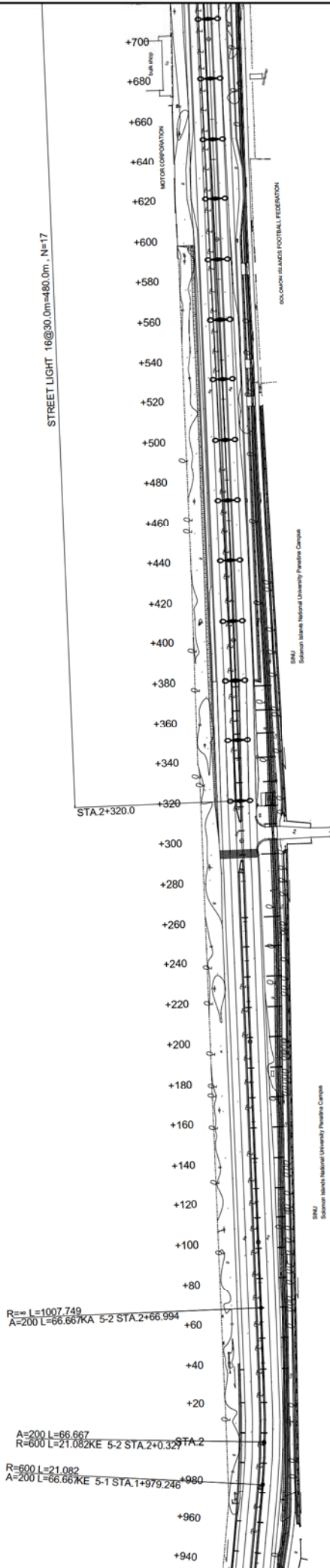
CTI ENGINEERING INTERNATIONAL CO., LTD.
Designed by: _____ Date: _____
Checked by: _____ Date: _____

PREPARATORY SURVEY ON
THE PROJECT FOR UPGRADING OF
THE KUKUM HIGHWAY PHASE 2

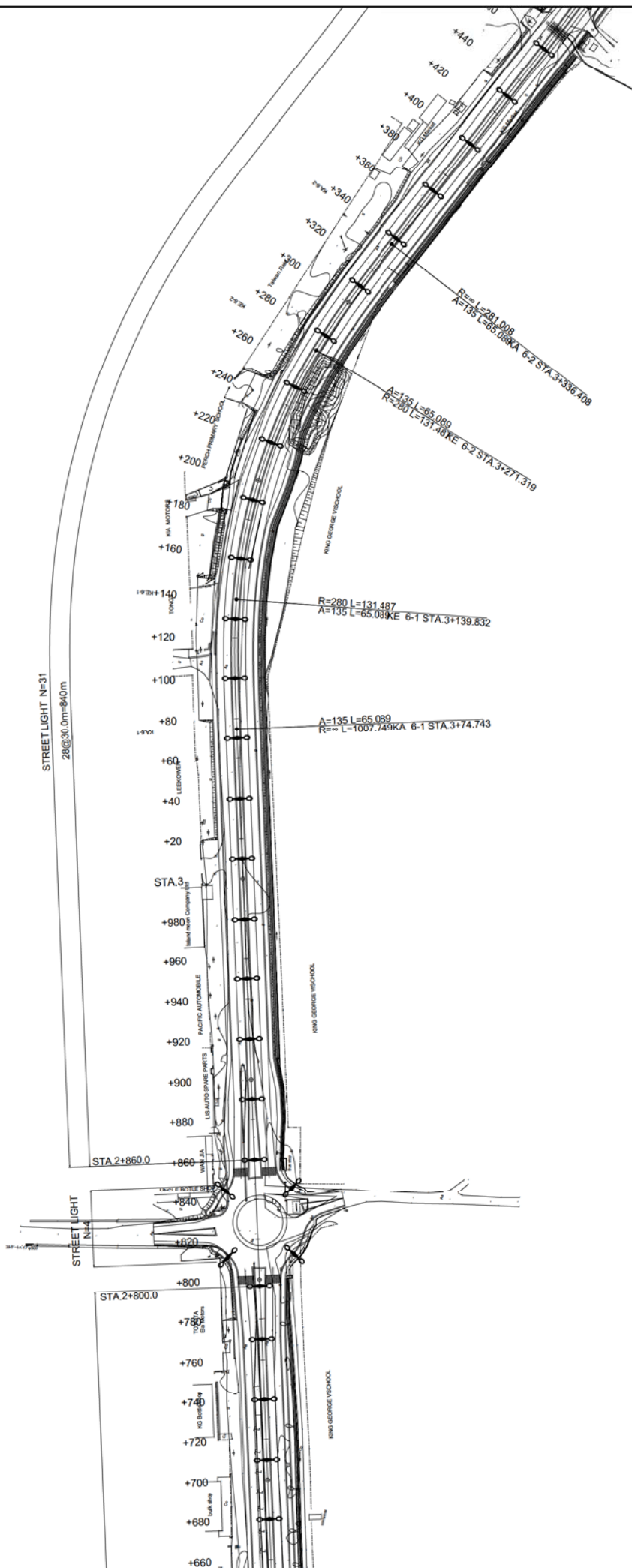
TITLE :
HANDRAILS GENERAL DRAWINGS

Drawing No. 081
SCALE 1:10, 1:2
DATE

LAYOUT PLAN OF STREET LIGHTS (1) S=1:1,000

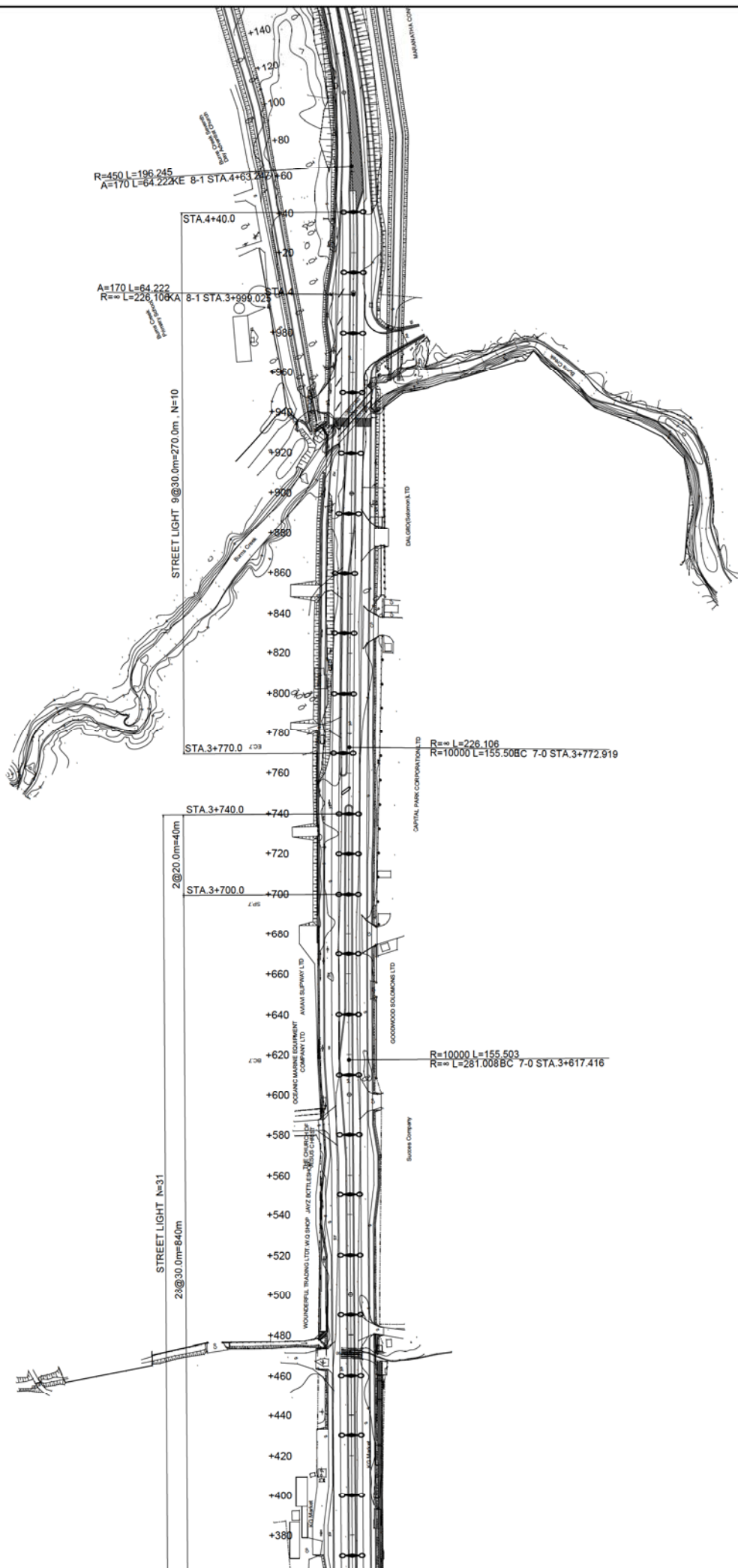


 SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by : Date:	 CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by : Checked by : Date: Date:	PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2	TITLE : LAYOUT PLAN OF STREET LIGHTS (1)	Drawing No.	082
				SCALE	1:1,000
				DATE	

$S=1:1,000$ 

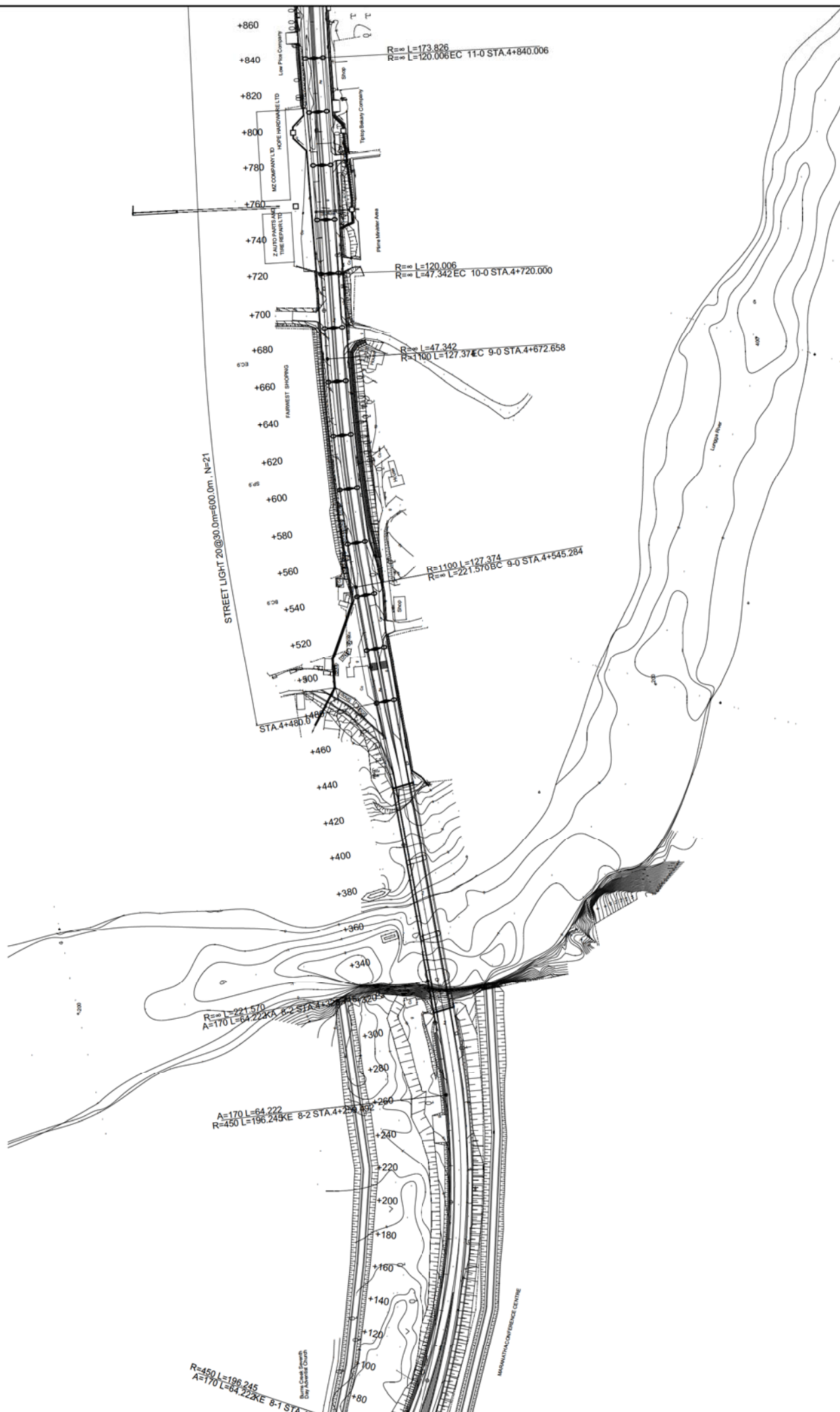
 SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT	 CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by : _____ Date: _____ Checked by : _____ Date: _____	TITLE :	
		PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2	
		Drawing No.	083
		SCALE	1:1,000
		DATE	

LAYOUT PLAN OF STREET LIGHTS (3) S=1:1,000



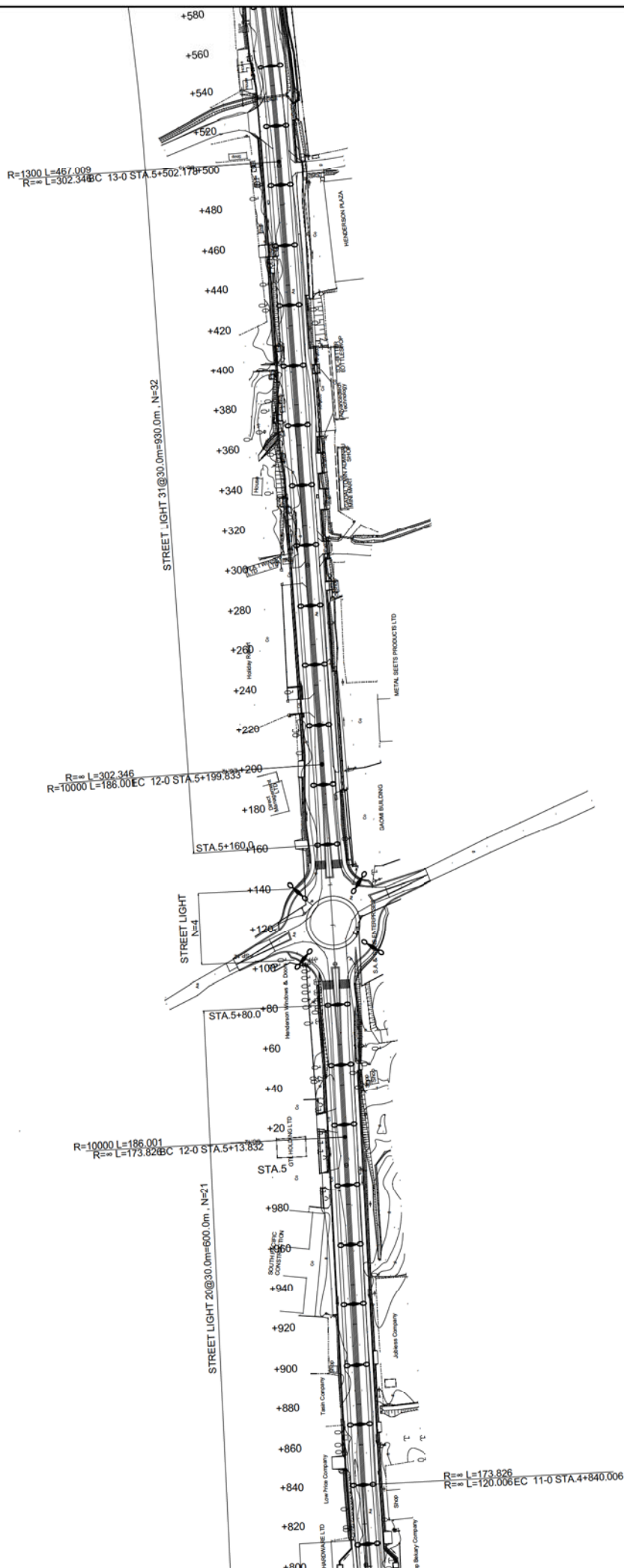
 SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT	Approved by: _____ Date: _____	 CTI ENGINEERING INTERNATIONAL CO., LTD.	Designed by: _____ Checked by: _____ Date: _____	PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2	TITLE: LAYOUT PLAN OF STREET LIGHTS (3)	Drawing No. 084	SCALE 1:1,000	DATE

LAYOUT PLAN OF STREET LIGHTS (4) S=1:1,000



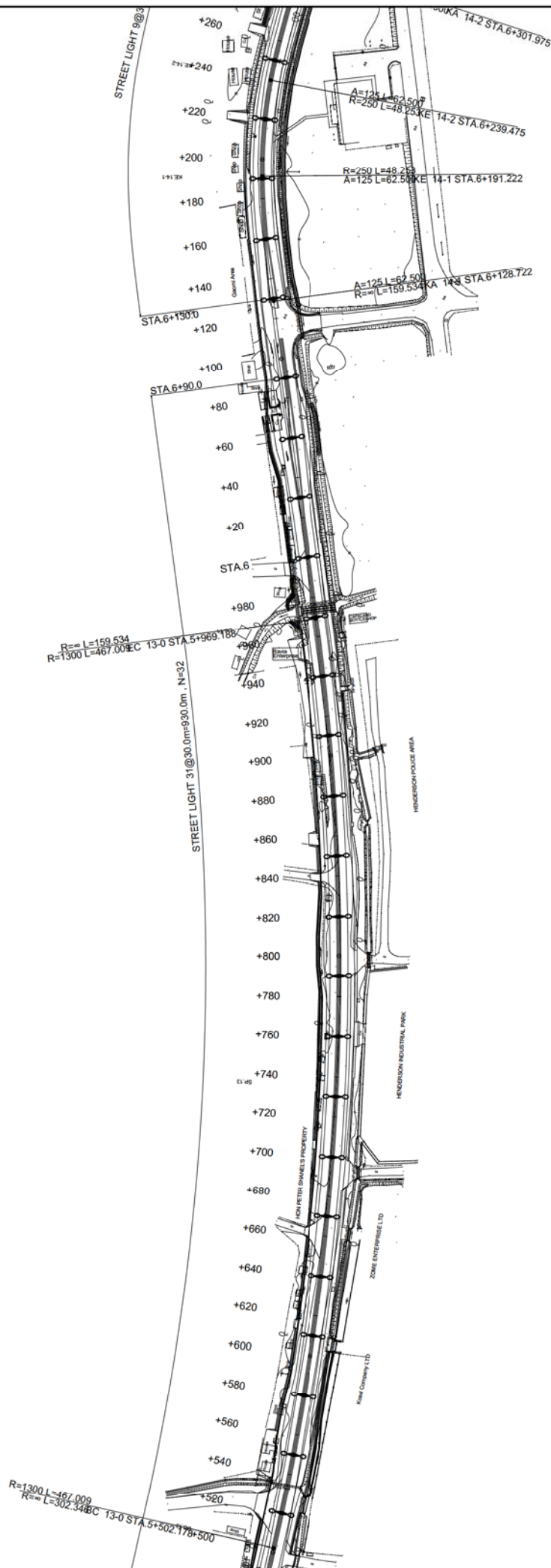
	SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT				CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by : _____ Date: _____ Checked by : _____ Date: _____		PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2		TITLE : LAYOUT PLAN OF STREET LIGHTS (4)		Drawing No.	085
Approved by : _____ Date: _____										SCALE	1:1,000	
										DATE		

LAYOUT PLAN OF STREET LIGHTS (5) S=1:1,000



 SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT	CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by: _____ Date: _____ Checked by: _____ Date: _____	TITLE: LAYOUT PLAN OF STREET LIGHTS (5)	Drawing No.	086
	Approved by: _____ Date: _____	PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2	SCALE	1:1,000
		DATE		

LAYOUT PLAN OF STREET LIGHTS (6) S=1:1,000



	SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT			CTI ENGINEERING INTERNATIONAL CO., LTD.		PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2	TITLE : LAYOUT PLAN OF STREET LIGHTS (6)	Drawing No.	087
	Approved by : _____ Date: _____			Designed by : _____ Date: _____				SCALE	1:1,000
				Checked by : _____ Date: _____				DATE	

$S=1:1,000$ 

SOLOMON ISLANDS GOVERNMENT
MINISTRY OF
INFRASTRUCTURE DEVELOPMENT

CTI ENGINEERING INTERNATIONAL CO., LTD.

Designed by: _____ Date: _____
 Checked by: _____ Date: _____

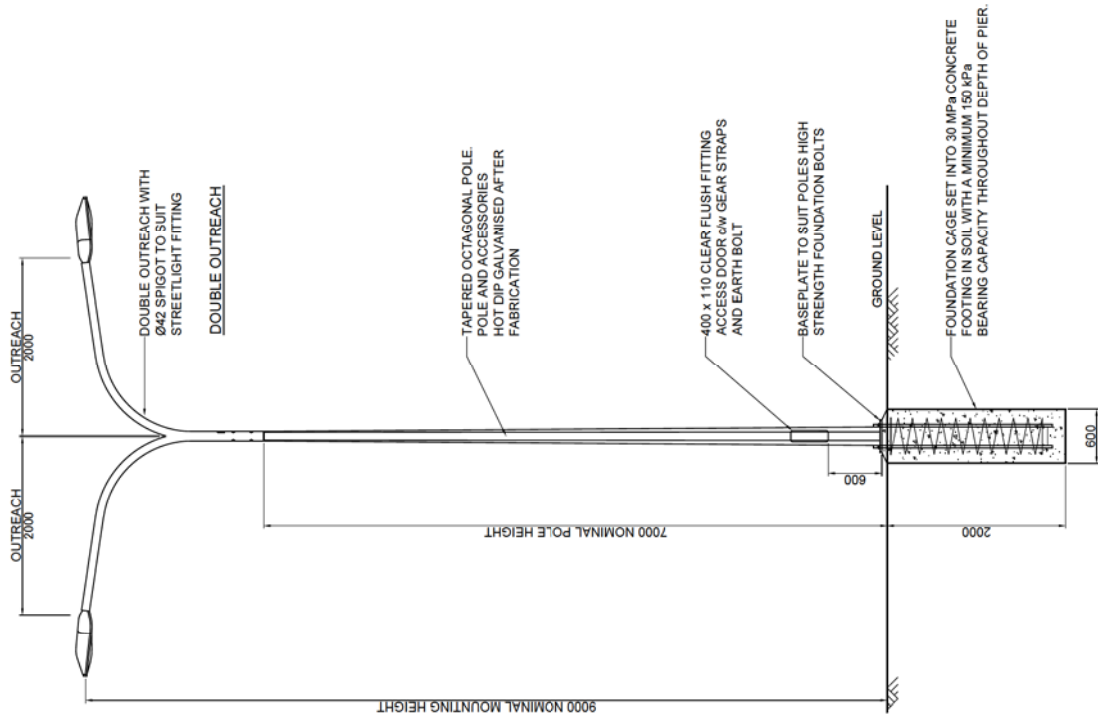
PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2

TITLE :
LAYOUT PLAN OF STREET LIGHTS (7)

Drawing No.	088
SCALE	1:1,000
DATE	

STREET LIGHTS GENERAL DRAWING

S=1:30



	SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by : Date:	 CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by : Checked by : Date: Date:	PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2	TITLE :	
				STREET LIGHT GENERAL DRAWINGS	
				Drawing No.	089
				SCALE	1:30
				DATE	

【添付資料－8】 橋梁点検調書

ソロモン国
第二次ククム幹線道路改善計画
ルンガ橋点検調書

本事業の対象区間にあるルンガ橋は、我が国の無償資金協力による建設から 25 年以上が経過している中で、本事業の成果を将来に亘って発現させるために必須となる橋梁である。

本報告書の本編では、橋梁定期点検要領¹（以下、国交省点検要領）に準じて本橋の点検を行うとともに、点検の結果を受けて本事業で必要となる補修項目を明らかにした。

ここでは、橋梁定期点検要領に基づいて、橋梁を適切かつ効率的に管理し、延命化を図る上で特に重要である主要部材を中心に各損傷の位置・形状等を記録した。本橋梁の点検結果の記録様式を表-1 に示す。

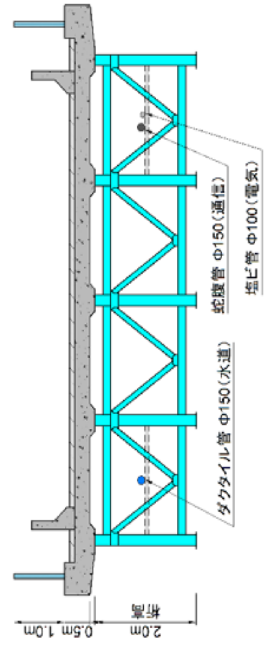
表-1 点検結果の記録様式

様式の項目		内容
その 1	橋梁の諸元と総合検査結果	国交省点検要領の定期点検記録様式（その 1）を参考に、橋梁の諸元と橋梁全体の点検結果の要旨を記録
その 2	部材番号図及び要素番号図	国交省点検要領の定期点検記録様式（その 4）を参考に、橋梁の損傷位置を表す番号を付与
その 3	損傷図	国交省点検要領の定期点検記録様式（その 9）を参考に、その 2 の番号に対応して損傷種類や損傷位置を図示
その 4	損傷写真	国交省点検要領の定期点検記録様式（その 10）を参考に、その 2 の番号に対応して損傷写真を記録

¹ 橋梁定期点検要領：国土交通省 道路局 国道・技術課、平成 31 年 3 月

定期点検記録様式(その1) 橋梁の諸元と総合検査結果

フリガナ 橋 梁 名		ルンガ ルンガ橋		路 線 名		Kukumu Highway		管轄		Ministry of Infrastructure Development (MID)		現地確認年月日		2019年11月27日～ 2019年12月6日															
供用開始日		1991年		橋長		126m		活荷重・等級		TL-20(想定)		等橋		適用 示方書		道路橋示方書(日本道路協会) 橋梁設計基準(オーストラリア道路協会) 道路橋設計基準(ニュージーランド標準規格協会)		調 査 年		2019年									
上部構造形式		3径間連続鋼桁 (5主桁)		幅員		全 幅 員 有効幅員		12.1m 10.9m		地覆幅 1.2m		歩道幅 1.0m		車道幅・車線 3.75m		車道幅・車線 3.75m		歩道幅 1.2m		地覆幅 0.6m		分離帯 1.0m		中央 分離帯 —		交通 条件		12,501 台 昼間12時間	
下部構造形式		RC逆T型橋台 RC張出付き壁式橋脚		備考																				大型混入率 2.0 %					
基礎形式		打込式鋼管杭																						荷 重 制 限 40 t					



一般図・写真

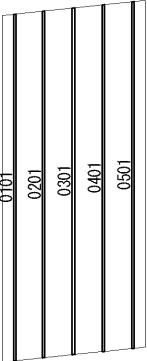
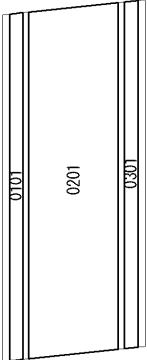
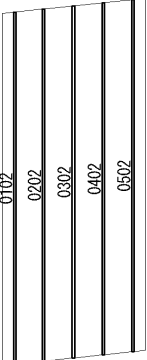
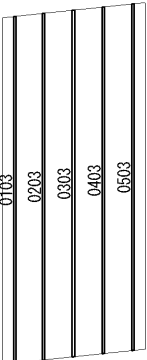
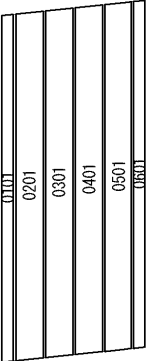
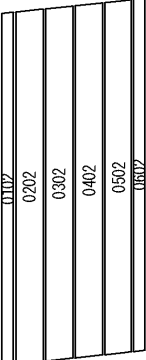
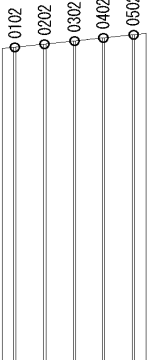
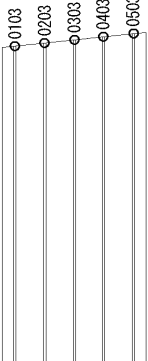
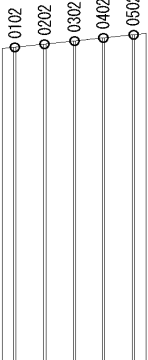
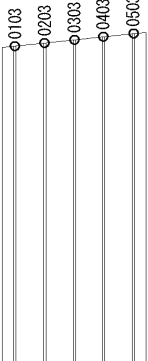




健全度 (橋単位)		Ⅲ	
総合検査結果 A1の主桁端部に断面欠損を伴う腐食が発生している。損傷原因として、本橋の周辺には、ごみや排泄物が散見されることから、排泄等の人為的な行為によるものと推定する。なお、伸縮装置や橋梁側面等からの漏水跡が本損傷の周辺で確認されなかった。また、A2の主桁端部に、塗装の焼失やウェブの変形・変色が発生している。損傷原因として、周辺に山積みにされたごみの焼却処分によるものと推定する。 主桁の耐力低下が懸念され、橋梁構造の安全性の観点から、5年以内に補修される必要があるかと判断する。			

定期点検記録様式(その2) 部材番号図及び要素番号図

フリガナ 橋 梁 名	路 線 名	Kukumu Highway	管理 者	MID
---------------	-------	----------------	------	-----

主部材					主部材以外				
第1径間 主桁 (Mg)					第1径間 舗装 (Pm)				
									
第2径間 主桁 (Mg)					第2径間 舗装 (Pm)				
									
床版 (Ds)					床版 (Ds)				
									
第3径間 主桁 (Mg)					第3径間 舗装 (Pm)				
									
支 承 (Bh)					支 承 (Bh)				
									

部 材 番 号 図 及 び 要 素 番 号 図

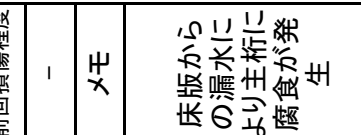
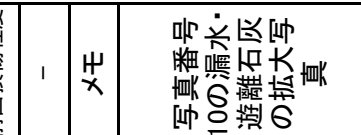
データ記録様式(その4) 損傷写真

フリガナ 橋梁名	ルンガ ルンガ橋	路線名	Kukum Highway	管理者	MID	橋梁コード	-
備考							

写真番号	1	径間番号	1	写真番号	3	径間番号	1
部材名	主桁	要素番号	0101	部材名	主桁	要素番号	0501
損傷の種類	腐食	損傷程度	d (大小)	損傷の種類	腐食	損傷程度	d (大小)
前回損傷程度 - メモ 写真範囲: ウェブ 1.7×0.6m 下フランジ 2.2m 断面欠損 を確認		前回損傷程度 - メモ 写真番号1 の下フランジ 近方の 拡大写真		前回損傷程度 - メモ 写真範囲: ウェブ 0.3×0.3m 減肉を確認			
写真番号	4	径間番号	1	写真番号	6	径間番号	1
部材名	主桁	要素番号	0501	部材名	床版	要素番号	0201
損傷の種類	腐食	損傷程度	d (大小)	損傷の種類	漏水・遊離石灰	損傷程度	d
前回損傷程度 - メモ 写真番号3 の拡大写真		前回損傷程度 - メモ 橋面からの漏水により上フランジの一部分が腐食		前回損傷程度 - メモ 橋面からの漏水で遊離石灰が発生、錆汁の跡は無し			

損傷写真

データ記録様式(その4) 損傷写真

フリガナ 橋梁名		路 線 名		Kukumu Highway		管理 者		MID		橋梁コード		-	
備考													
写真番号	7	径間番号	1	写真番号	8	径間番号	2	写真番号	9	径間番号	2	前回損傷程度	
部材名	主桁	要素番号	0101.0201.0301, 0401.0501	部材名	床版	要素番号	0102	部材名	主桁	要素番号	0502		
損傷の種類	防食機能の劣化	損傷程度	d~e	損傷の種類	漏水・遊離石灰	損傷程度	d	損傷の種類	腐食	損傷程度	b(小)		
		前回損傷程度				前回損傷程度				前回損傷程度			
		-				-				-			
		メモ				メモ				メモ			
		防食機能の劣化 一部で点錆が発生				床版張り出し部に 漏水・遊離石灰が発生				床版からの漏水により主桁に 腐食が発生			
写真番号	10	径間番号	2	写真番号	11	径間番号	2	写真番号	12	径間番号	2	前回損傷程度	
部材名	主桁	要素番号	0502	部材名	主桁	要素番号	0502	部材名	床版	要素番号	0502		
損傷の種類	腐食	損傷程度	b(小)	損傷の種類	腐食	損傷程度	b(小)	損傷の種類	漏水・遊離石灰	損傷程度	d		
		前回損傷程度				前回損傷程度				前回損傷程度			
		-				-				-			
		メモ				メモ				メモ			
		床版からの漏水により主桁に 腐食が発生				写真番号10の腐食部の拡大写真				写真番号10の漏水・遊離石灰の拡大写真			

損 傷 写 真

データ記録様式(その4) 損傷写真

フリガナ 橋梁名	ルンガ ルンガ橋	路線名	Kukum Highway	管理者	MID	橋梁コード	-
備考							

写真番号	13	径間番号	3	写真番号	14	径間番号	3	写真番号	15	径間番号	3
部材名	主桁	要素番号	0103	部材名	主桁	要素番号	0103	部材名	主桁	要素番号	0103.0203.0303, 0403.0503
損傷の種類	その他	損傷程度	e	損傷の種類	その他	損傷程度	e	損傷の種類	防食機能の劣化	損傷程度	d~e

								
前回損傷程度 - メモ 塗装の焼失: 桁端部から2.0m程度			前回損傷程度 - メモ 橋軸直角方向に最大で3cmの歪みの長さは12cm程度			前回損傷程度 - メモ 点錆が発生		

写真番号	16	径間番号	1	写真番号	17	径間番号	1
部材名	支承本体	要素番号	0501	部材名	舗装	要素番号	0201
損傷の種類	腐食	損傷程度	c	損傷の種類	舗装の異常	損傷程度	-

								
前回損傷程度 - メモ 支承本体の腐食			前回損傷程度 - メモ 舗装の打ち継ぎ目			前回損傷程度 - メモ		

