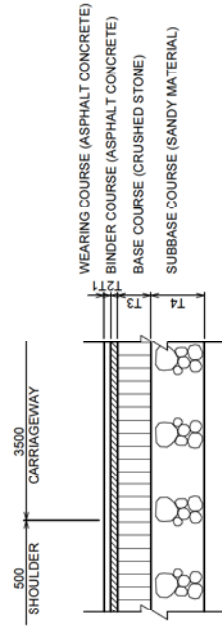


PAVEMENT STRUCTURE

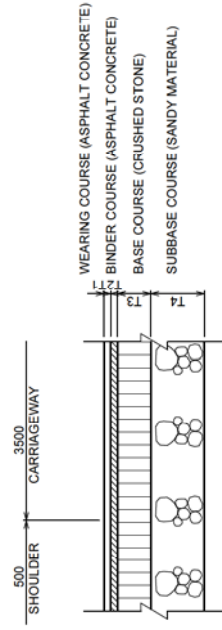
CARRIAGEWAY

TYPE-1
(STA. 0+00 - LUNGG RIVER)



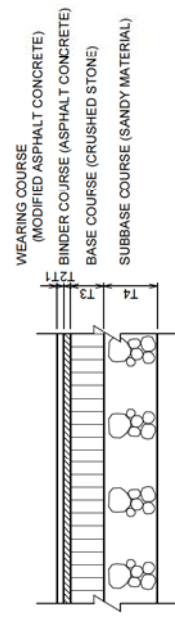
T1	T2	T3	T4
WEARING COURSE (mm)	BINDER COURSE (mm)	BASE COURSE (mm)	SUBBASE COURSE (mm)
50	50	200	250

TYPE-2
(LUNGG RIVER - STA 6+480)



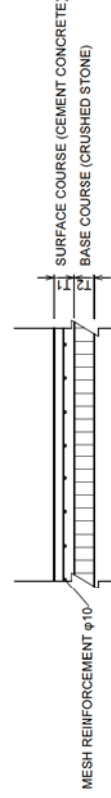
T1	T2	T3	T4
WEARING COURSE (mm)	BINDER COURSE (mm)	BASE COURSE (mm)	SUBBASE COURSE (mm)
50	50	200	250

TYPE-3
(BUS STOP , U-TURN LANE , ROUNDABOUT)



T1	T2	T3	T4
WEARING COURSE (mm)	BINDER COURSE (mm)	BASE COURSE (mm)	SUBBASE COURSE (mm)
50	50	200	250

FOOTPATH REPLACEMENT



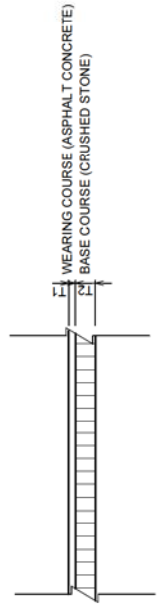
T1	T2
SURFACE COURSE (mm)	BASE COURSE (mm)
150	150

FOOTPATH TYPICAL SECTION



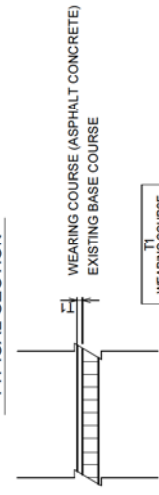
T1	T2
WEARING COURSE (mm)	BASE COURSE (mm)
50	100

ACCESS ROAD TYPICAL SECTION



T1	T2
WEARING COURSE (mm)	BASE COURSE (mm)
50	150

OVERLAY TYPICAL SECTION



T1
WEARING COURSE (mm)
50



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 : PAVEMENT STRUCTURE

Drawing No. 024
SCALE -
DATE

STA.0+308.9 CROSS DRAINAGE (BOX CULVERT) (2) S=1:50

WING WALL

LEFT SIDE
(DOWNSTREAM SIDE)

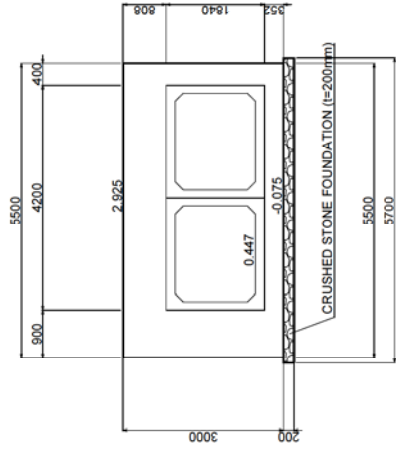
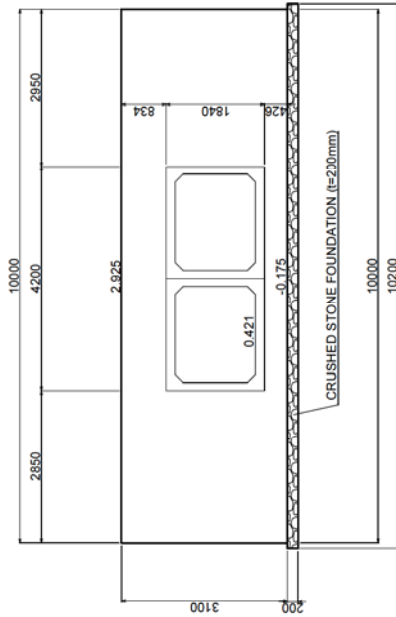
RIGHT SIDE
(UPSTREAM SIDE)

FRONT VIEW

CROSS SECTION

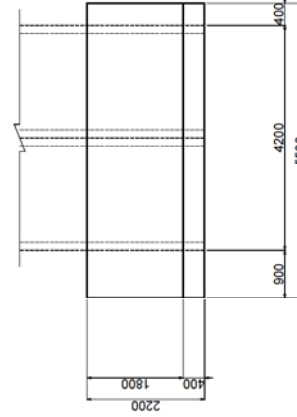
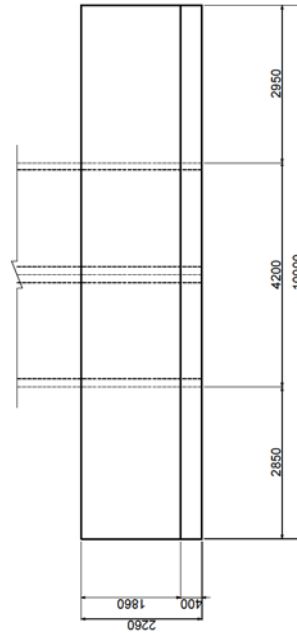
FRONT VIEW

CROSS SECTION



PLAN

PLAN



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:
STA.0+308.9
CROSS DRAINAGE (BOX CULVERT) (2)

Drawing No. 026

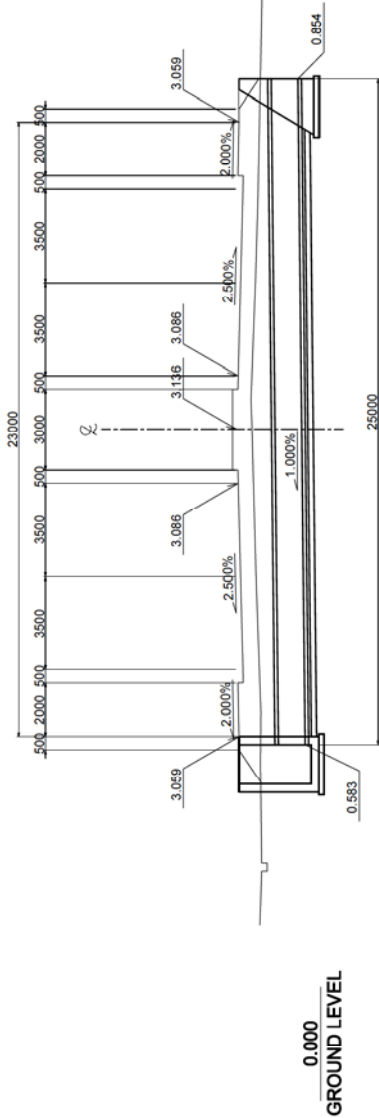
SCALE 1:50

DATE

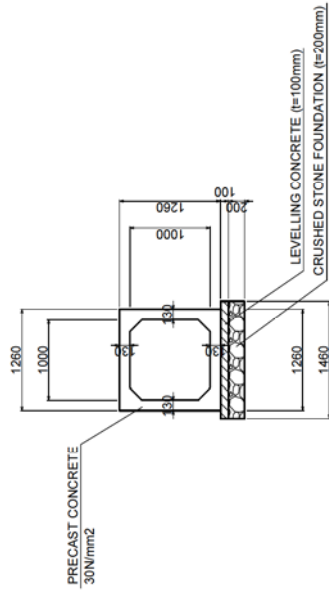
STA.0+812.8 CROSS DRAINAGE (BOX CULVERT) (1)

BOX CULVERT

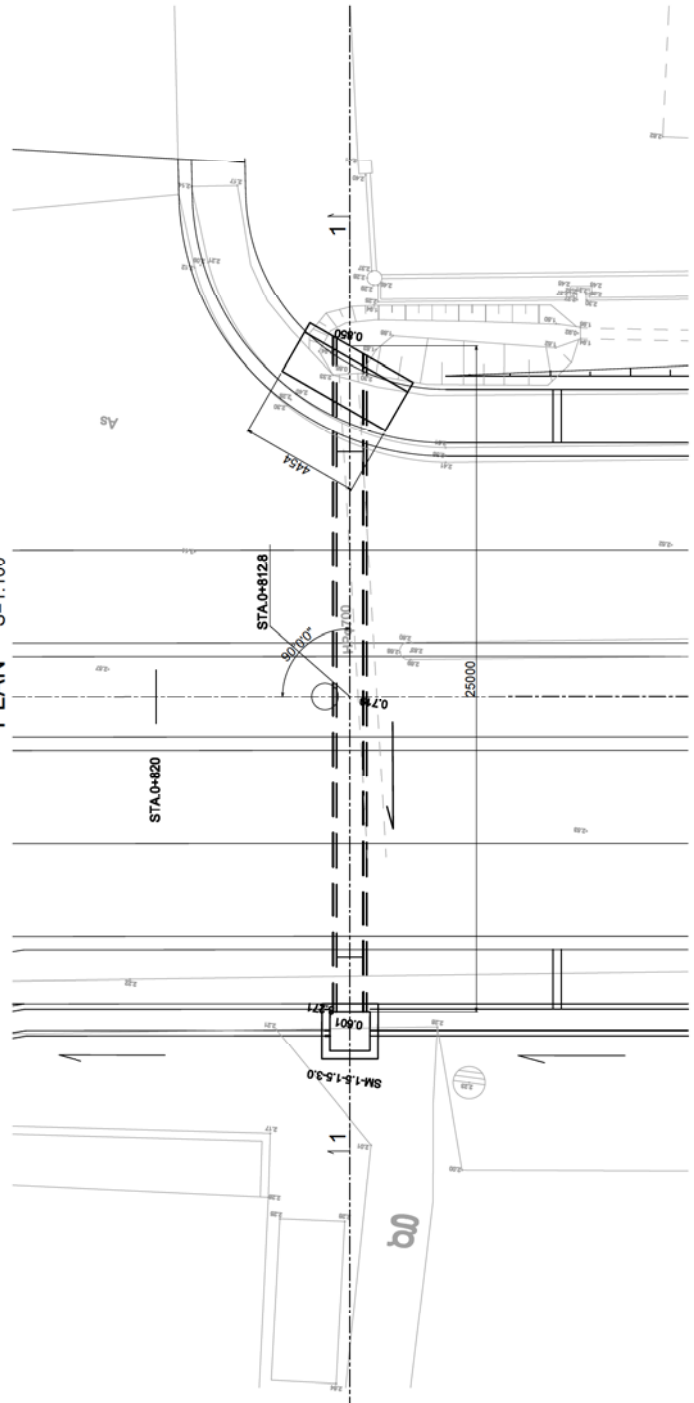
1-1 SECTION S=1:100



TYPICAL CROSS SECTION S=1:30



PLAN S=1:100



SOLOMON ISLANDS GOVERNMENT
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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:
STA.0+812.8
CROSS DRAINAGE (BOX CULVERT) (1)

Drawing No. 027
SCALE 1:100, 1:30
DATE

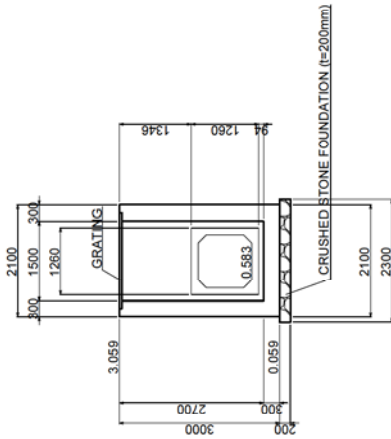
STA.0+812.8 CROSS DRAINAGE (BOX CULVERT) (2) S=1:50

CATCH BASIN AND WING WALL

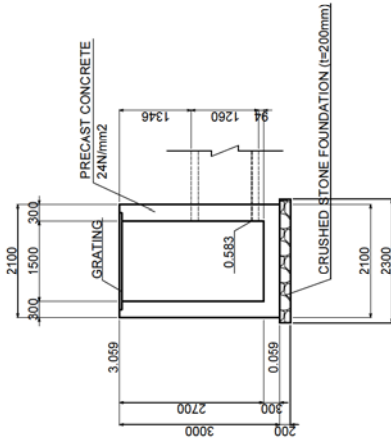
LEFT SIDE
(DOWNSTREAM SIDE)

RIGHT SIDE
(UPSTREAM SIDE)

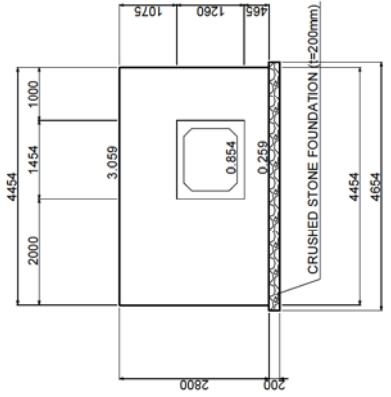
FRONT VIEW



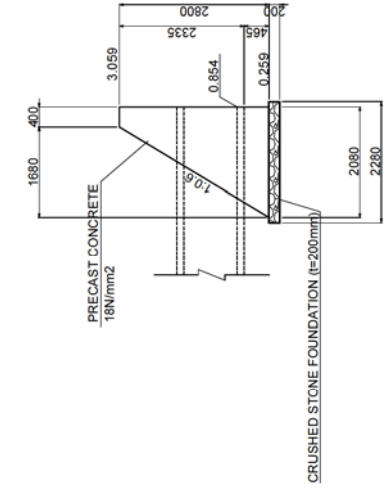
CROSS SECTION



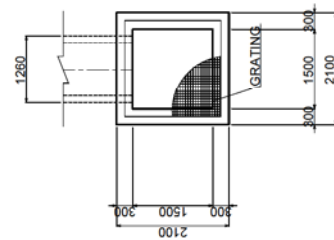
FRONT VIEW



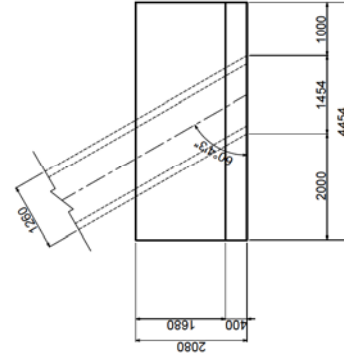
CROSS SECTION



PLAN



PLAN



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:
STA.0+812.8
CROSS DRAINAGE (BOX CULVERT) (2)

Drawing No. 028

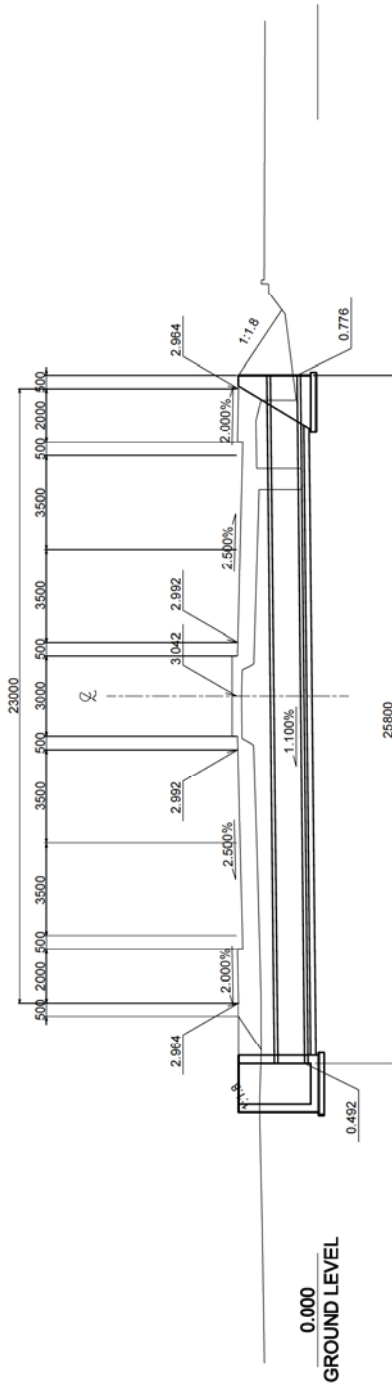
SCALE 1:50

DATE

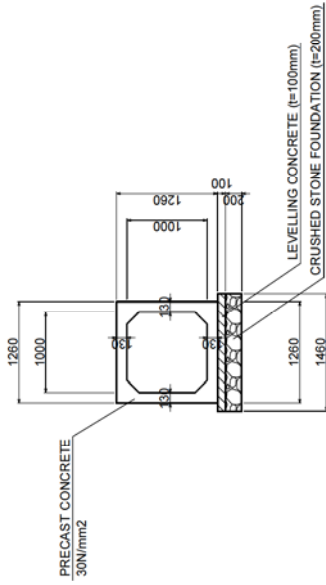
STA.0+859.0 CROSS DRAINAGE (BOX CULVERT) (1)

BOX CULVERT

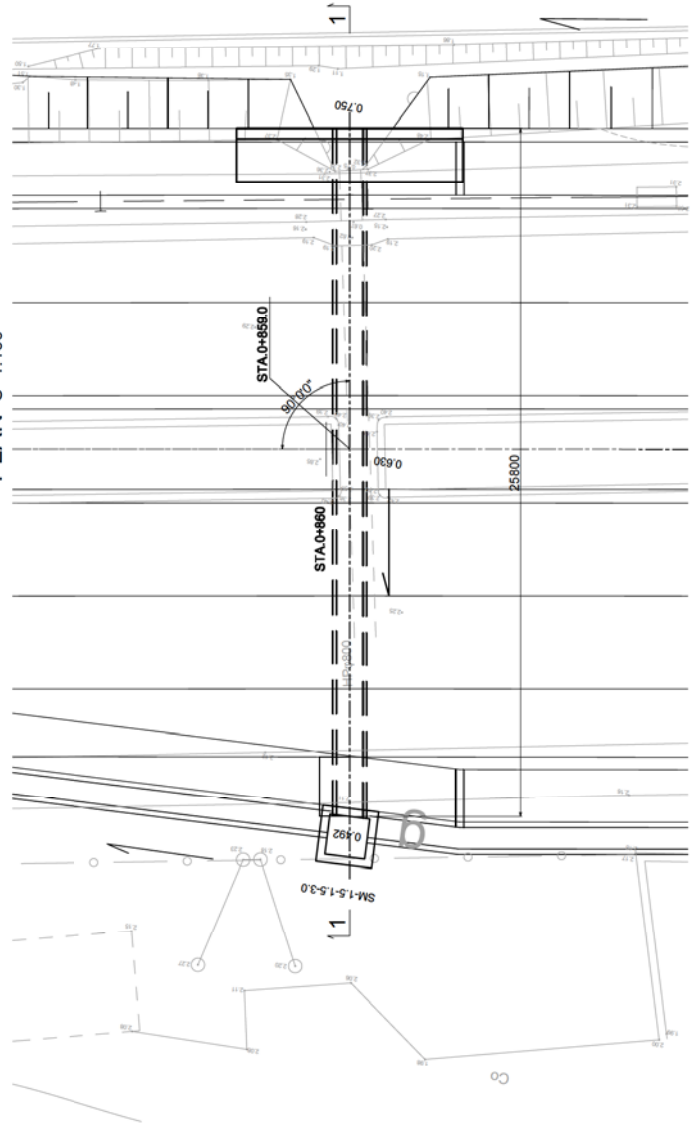
1-1 SECTION S=1:100



TYPICAL CROSS SECTION S=1:30



PLAN S=1:100



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		Drawing No. 029	SCALE 1:100, 1:30 DATE

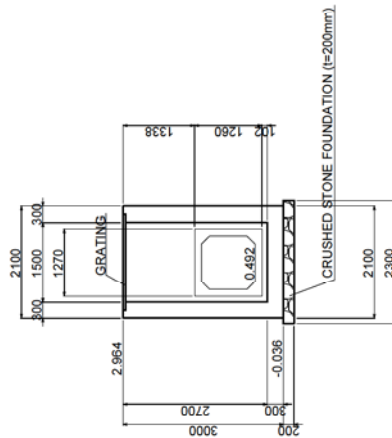
STA.0+859.0 CROSS DRAINAGE (BOX CULVERT) (2) S=1:50

CATCH BASIN AND WING WALL

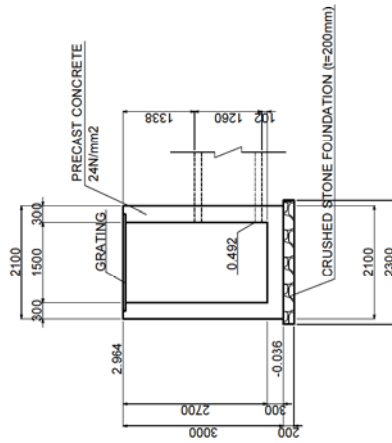
LEFT SIDE
(DOWNSTREAM SIDE)

RIGHT SIDE
(UPSTREAM SIDE)

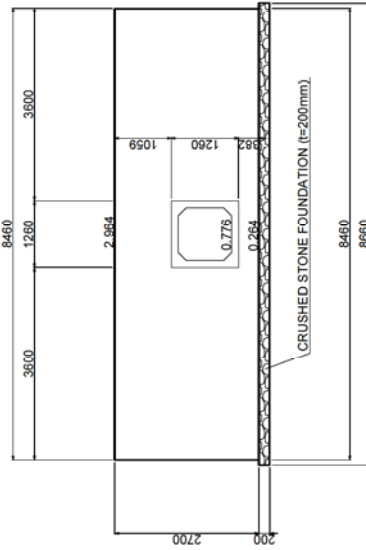
FRONT VIEW



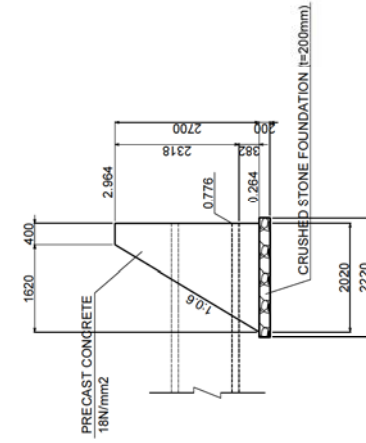
CROSS SECTION



FRONT VIEW

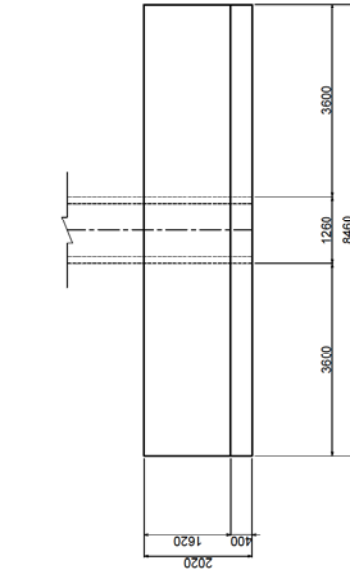


CROSS SECTION



PLAN

PLAN



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:

STA.0+859.0
CROSS DRAINAGE (BOX CULVERT) (2)

Drawing No. 030

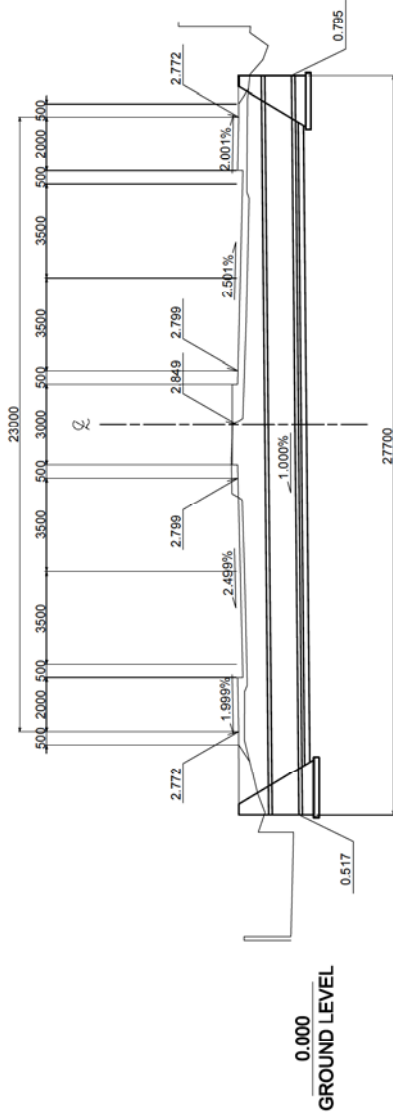
SCALE 1:50

DATE

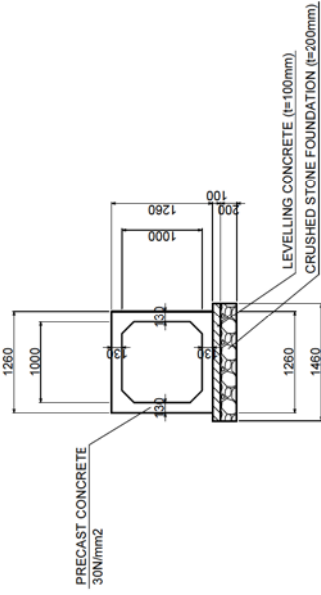
STA.0+971.1 CROSS DRAINAGE (BOX CULVERT) (1)

BOX CULVERT

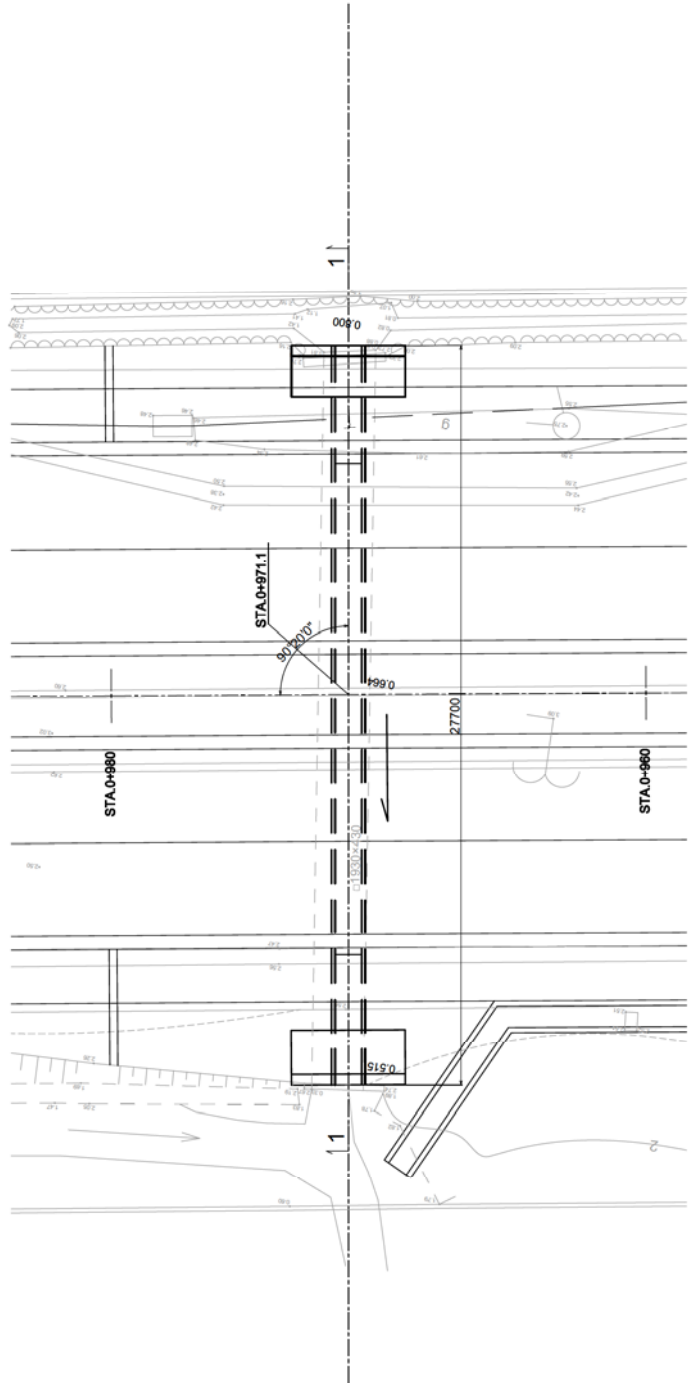
1-1 SECTION S=1:100



TYPICAL CROSS SECTION S=1:30



PLAN S=1:100



SOLOMON ISLANDS GOVERNMENT
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CTI ENGINEERING INTERNATIONAL CO., LTD.

PREPARATORY SURVEY ON
THE PROJECT FOR UPGRADING OF
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TITLE:
STA.0+971.1
CROSS DRAINAGE (BOX CULVERT) (1)

Drawing No.	031
SCALE	1:100, 1:30
DATE	

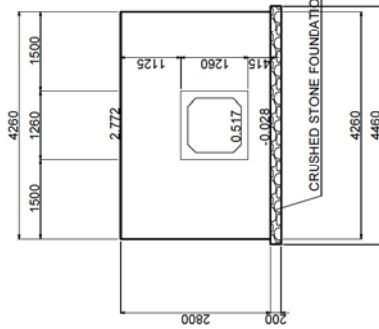
STA.0+971.1 CROSS DRAINAGE (BOX CULVERT) (2) S=1:50

CATCH BASIN AND WING WALL

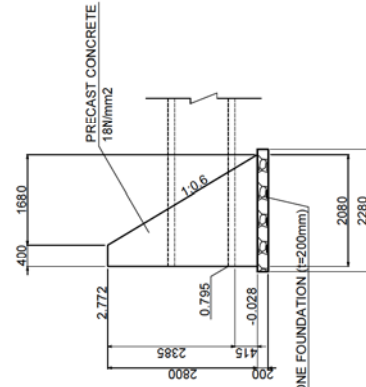
LEFT SIDE
(DOWNSTREAM SIDE)

RIGHT SIDE
(UPSTREAM SIDE)

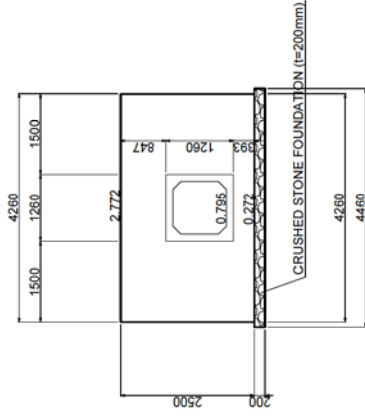
FRONT VIEW



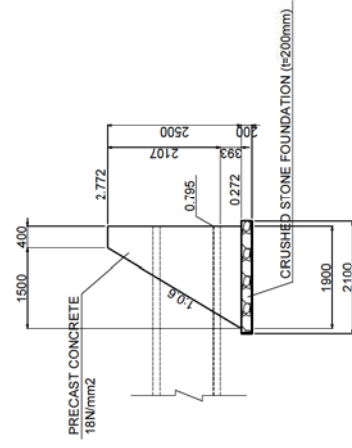
CROSS SECTION



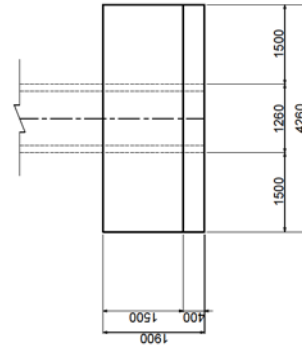
FRONT VIEW



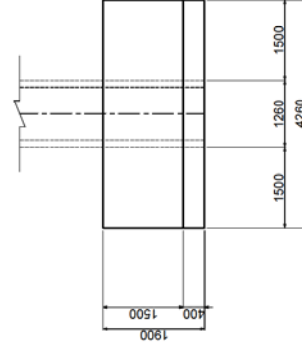
CROSS SECTION



PLAN



PLAN



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:
STA.0+971.1
CROSS DRAINAGE (BOX CULVERT) (2)

Drawing No. 032

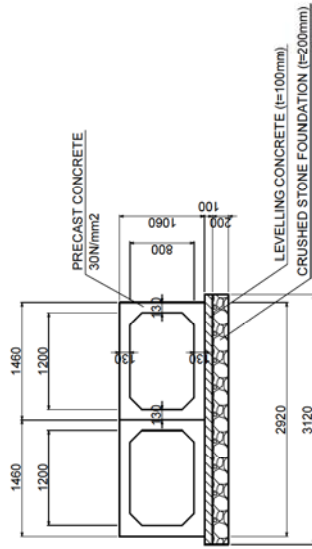
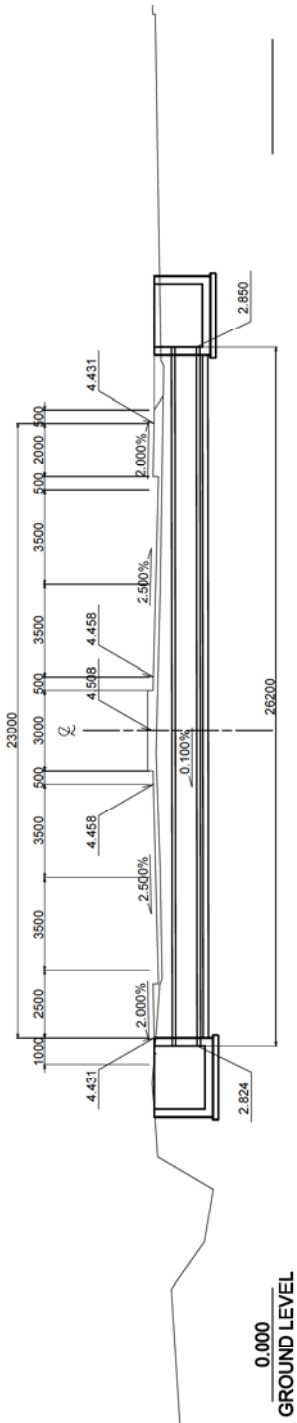
SCALE 1:50

DATE

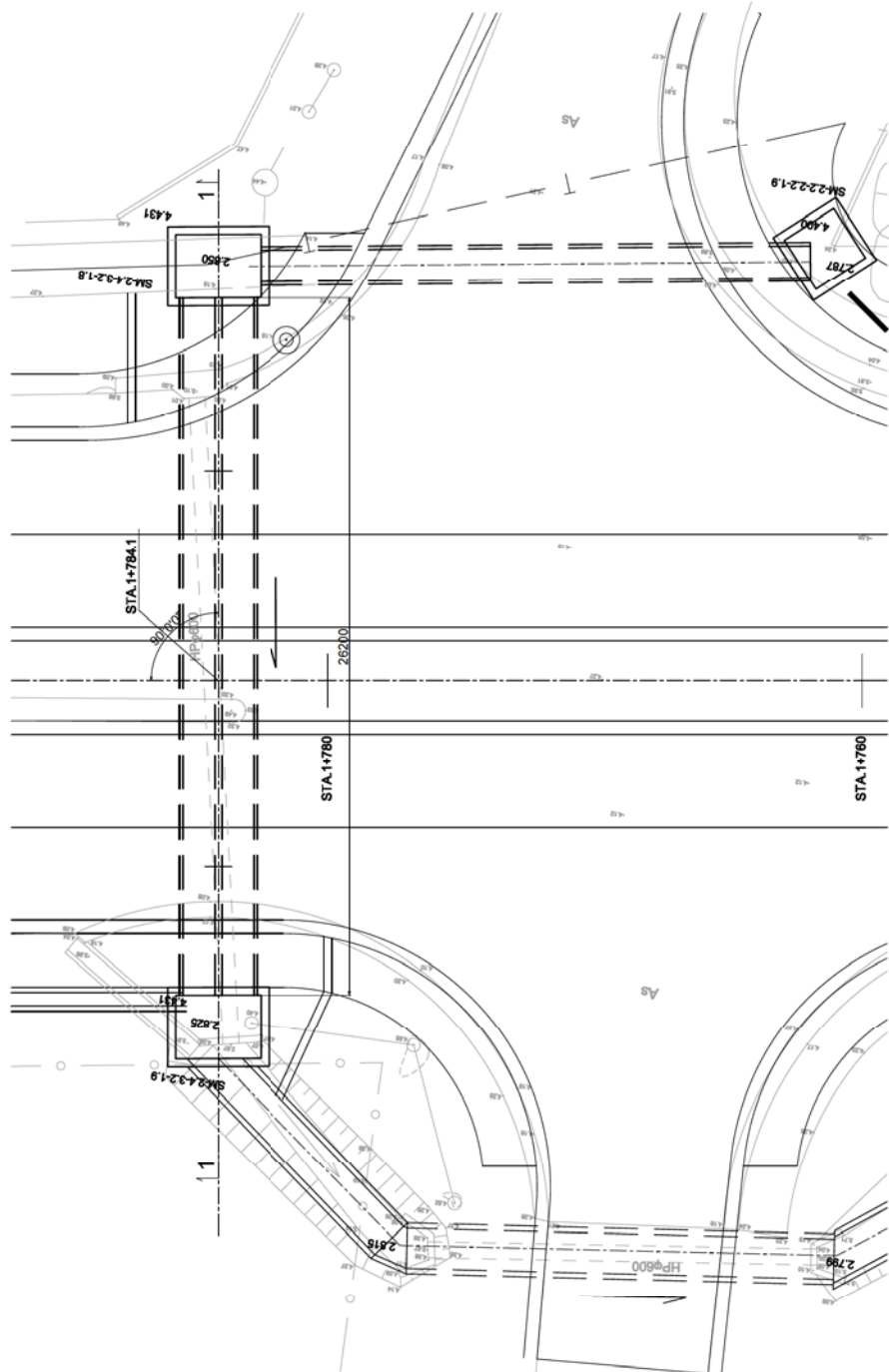
STA.1+784.1 CROSS DRAINAGE (BOX CULVERT) (1)

TYPICAL CROSS SECTION S=1:30

1-1 SECTION S=1:100 BOX CULVERT



PLAN S=1:100

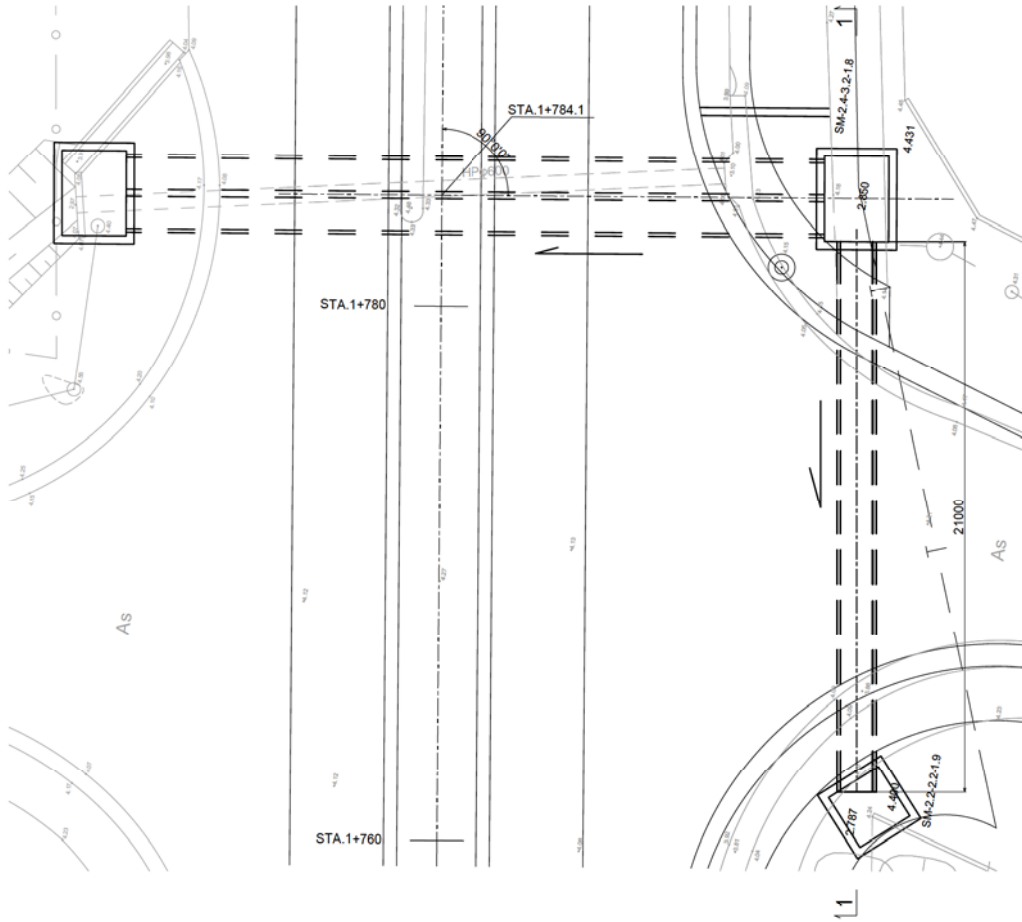


SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by: _____ Date: _____	CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by: _____ Date: _____ Checked by: _____ Date: _____	TITLE: PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2		Drawing No. 033
		STA.1+784.1 CROSS DRAINAGE (BOX CULVERT) (1)		SCALE 1:100, 1:30 DATE

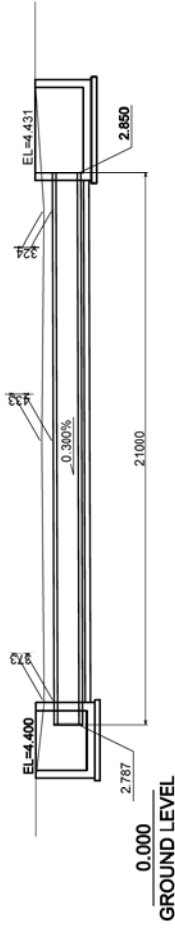
STA.1+784.1 CROSS DRAINAGE (BOX CULVERT) (2)

BOX CULVERT

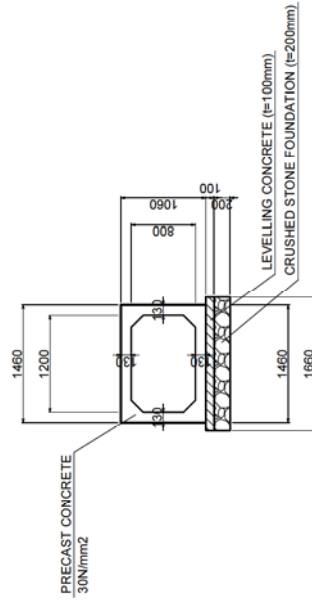
PLAN S=1:100



1-1 SECTION S=1:100



TYPICAL CROSS SECTION S=1:30



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CTI ENGINEERING INTERNATIONAL CO., LTD.

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

TITLE:
STA.1+784.1
CROSS DRAINAGE (BOX CULVERT) (2)

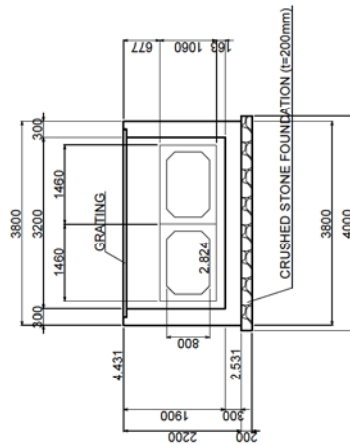
Drawing No.	034
SCALE	1:100, 1:30
DATE	

STA.1+784.1 CROSS DRAINAGE (BOX CULVERT) (3) S=1:50
CATCH BASIN (1)

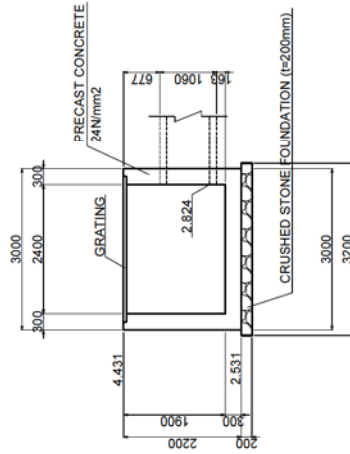
LEFT SIDE
 (DOWNSTREAM SIDE)

RIGHT SIDE
 (UPSTREAM SIDE)

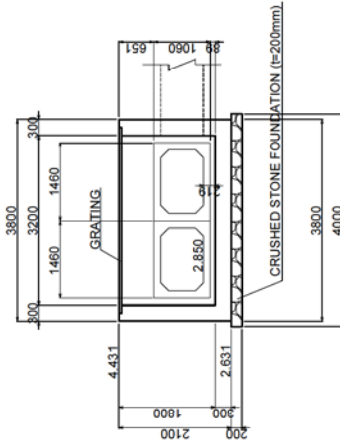
FRONT VIEW



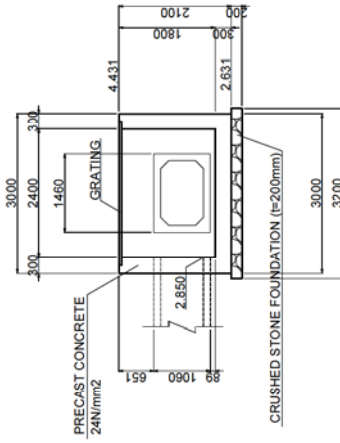
CROSS SECTION



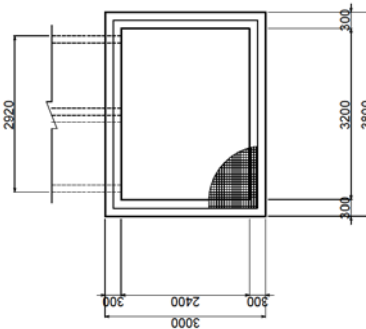
FRONT VIEW



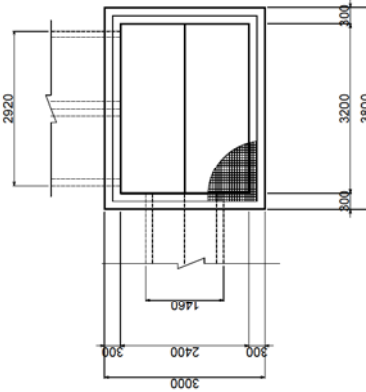
CROSS SECTION




PLAN



PLAN



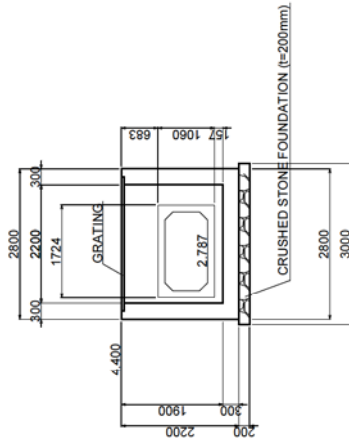
SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by: _____ Date: _____	 CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by: _____ Checked by: _____ Date: _____	PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2	TITLE: STA.1+784.1 CROSS DRAINAGE (BOX CULVERT) (3)	Drawing No. 035
				SCALE 1:50
				DATE

STA.1+784.1 CROSS DRAINAGE (BOX CULVERT) (4) S=1:50

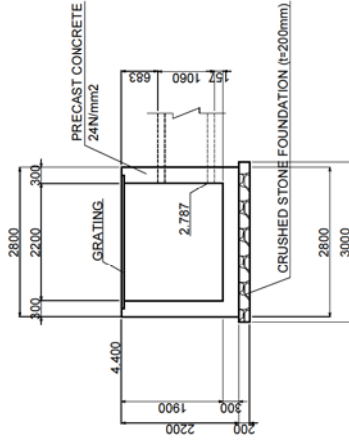
CATCH BASIN (2)

RIGHT SIDE
(UPSTREAM SIDE)

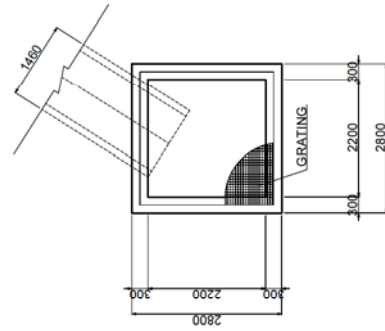
FRONT VIEW




CROSS SECTION



PLAN

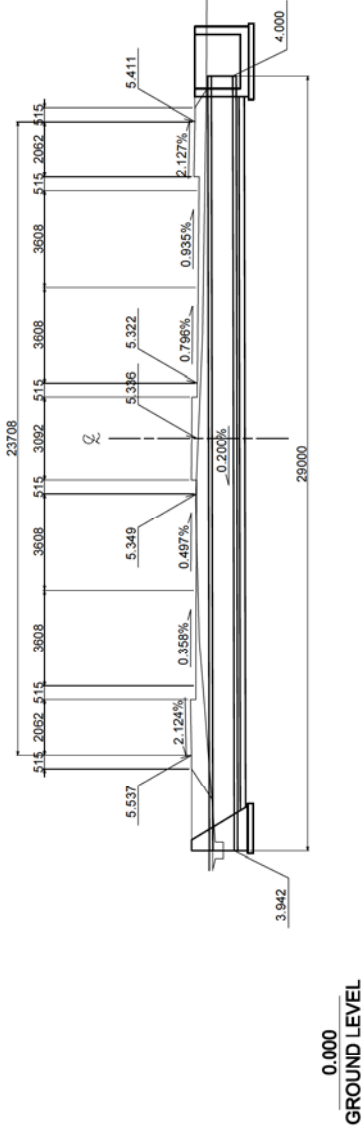


SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by: _____ Date: _____	 CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by: _____ Date: _____ Checked by: _____ Date: _____	TITLE: STA.1+784.1 CROSS DRAINAGE (BOX CULVERT) (4)		Drawing No. 036
				SCALE 1:50

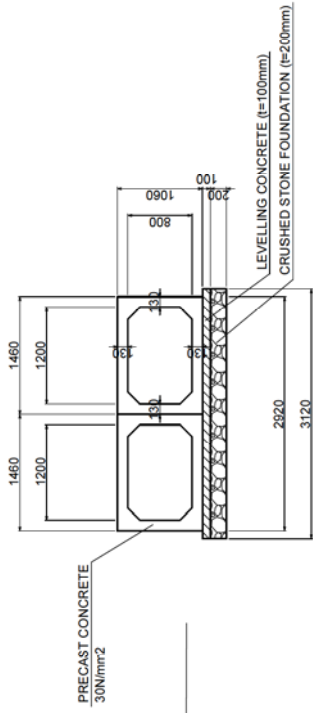
STA.3+472.0 CROSS DRAINAGE (BOX CULVERT) (1)

BOX CULVERT

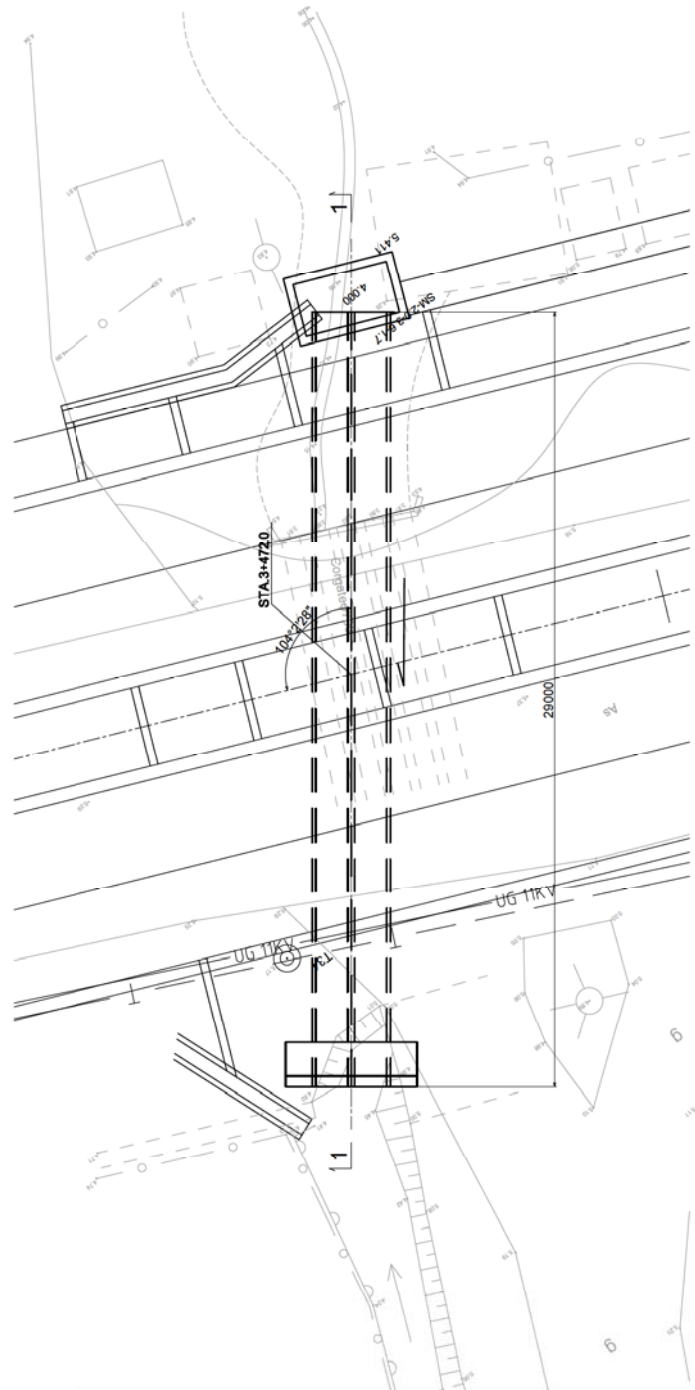
1-1 SECTION S=1:100




TYPICAL CROSS SECTION S=1:30



PLAN S=1:100



SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by: _____ Date: _____	 CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by: _____ Date: _____ Checked by: _____ Date: _____	TITLE: STA.3+472.0 CROSS DRAINAGE (BOX CULVERT) (1)		Drawing No. 037
		PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2		SCALE 1:100, 1:30 DATE

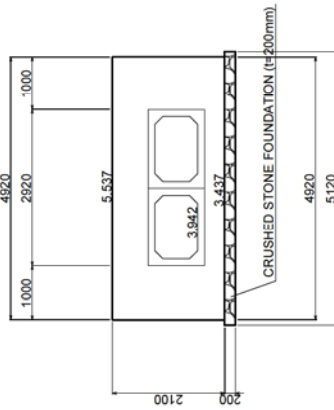
STA.3+472.0 CROSS DRAINAGE (BOX CULVERT) (2) S=1:50

CATCH BASIN AND WING WALL

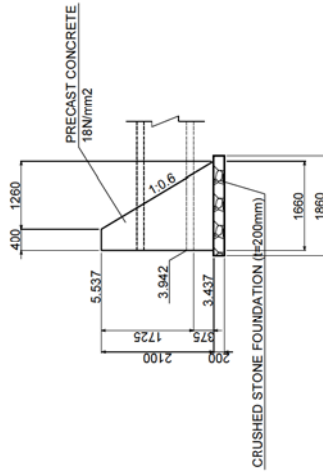
LEFT SIDE
(DOWNSTREAM SIDE)

RIGHT SIDE
(UPSTREAM SIDE)

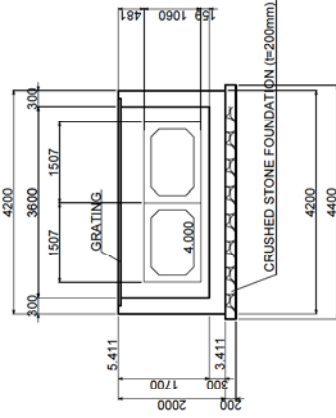
FRONT VIEW



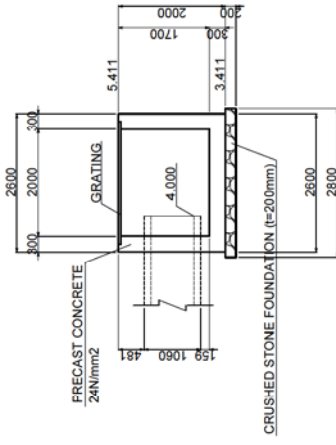
CROSS SECTION



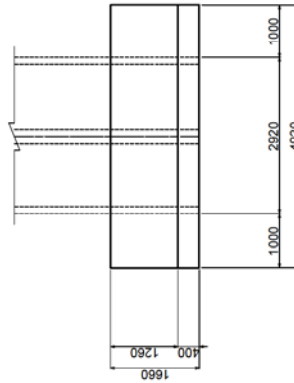
FRONT VIEW



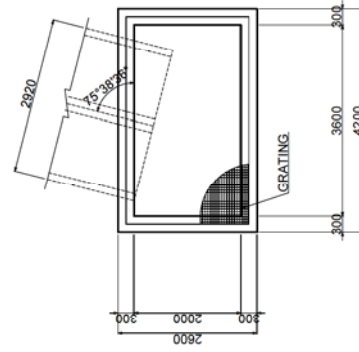
CROSS SECTION



PLAN



PLAN



SOLOMON ISLANDS GOVERNMENT
MINISTRY OF
INFRASTRUCTURE DEVELOPMENT
Approved by: _____
Date: _____



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

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

TITLE:
STA.3+472.0
CROSS DRAINAGE (BOX CULVERT) (2)

Drawing No. 038

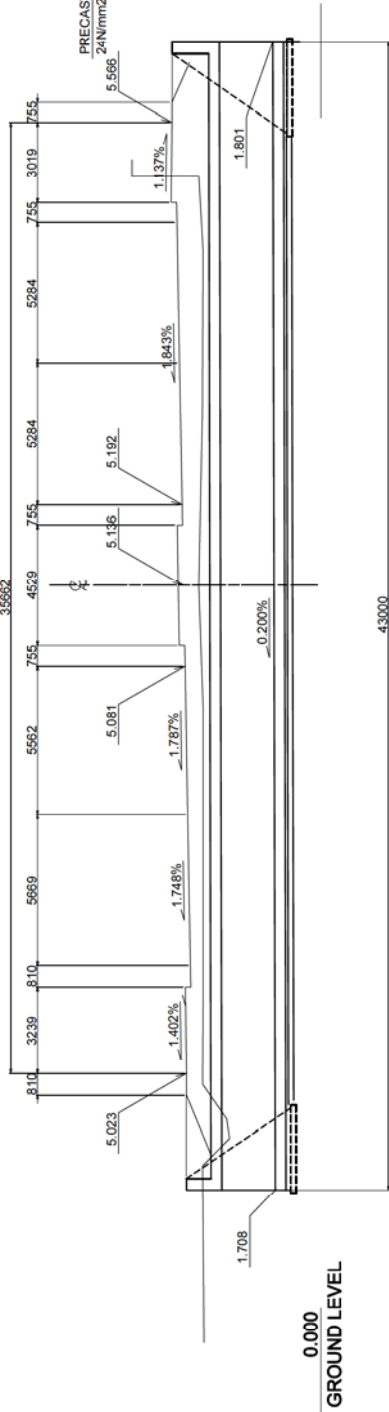
SCALE 1:50

DATE

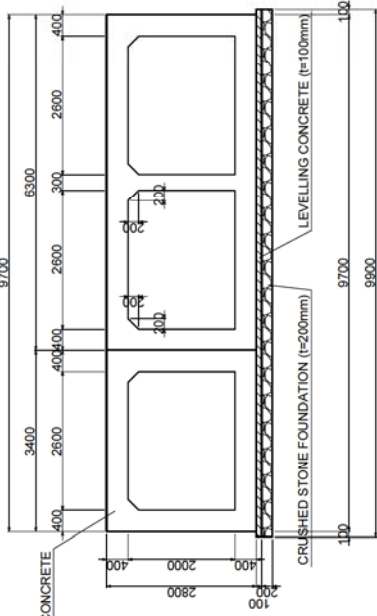
STA.3+938.4 CROSS DRAINAGE (BOX CULVERT)(1)

BOX CULVERT

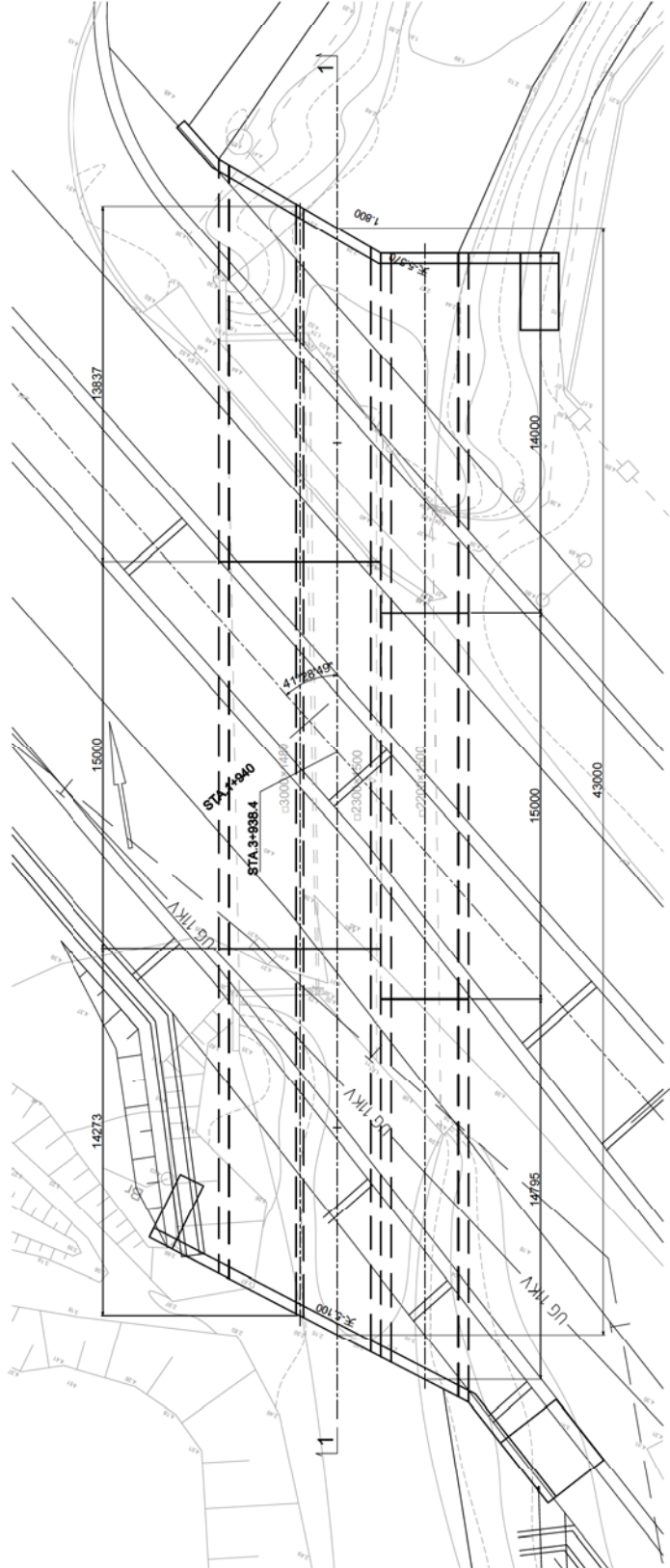
1-1 SECTION S=1:100



TYPICAL CROSS SECTION S=1:50



PLAN S=1:100

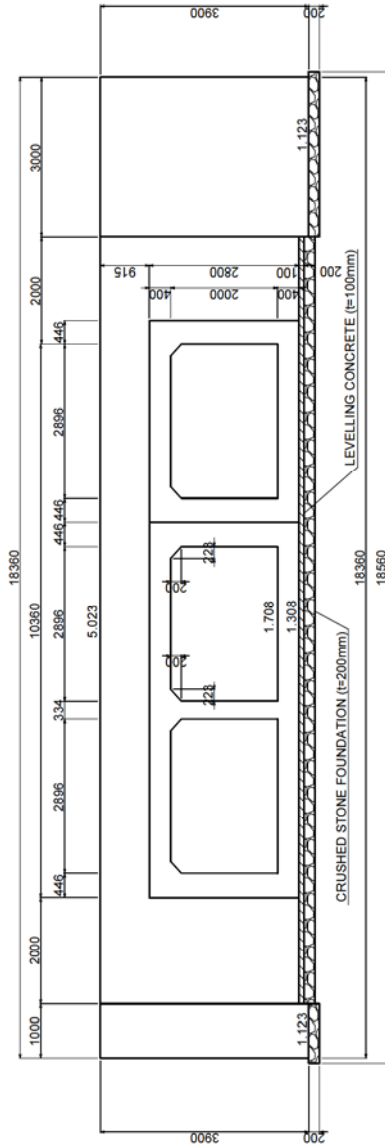


SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by: _____ Date: _____	CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by: _____ Date: _____ Checked by: _____ Date: _____	TITLE : STA.3+938.4 CROSS DRAINAGE (BOX CULVERT) (1)		Drawing No. 039
		PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2		SCALE 1:100, 1:50 DATE

STA.3+938.4 CROSS DRAINAGE (BOX CULVERT) (2) S=1:50

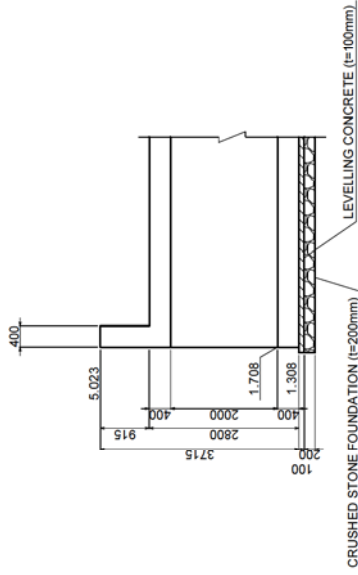
WING WALL (1)

FRONT VIEW

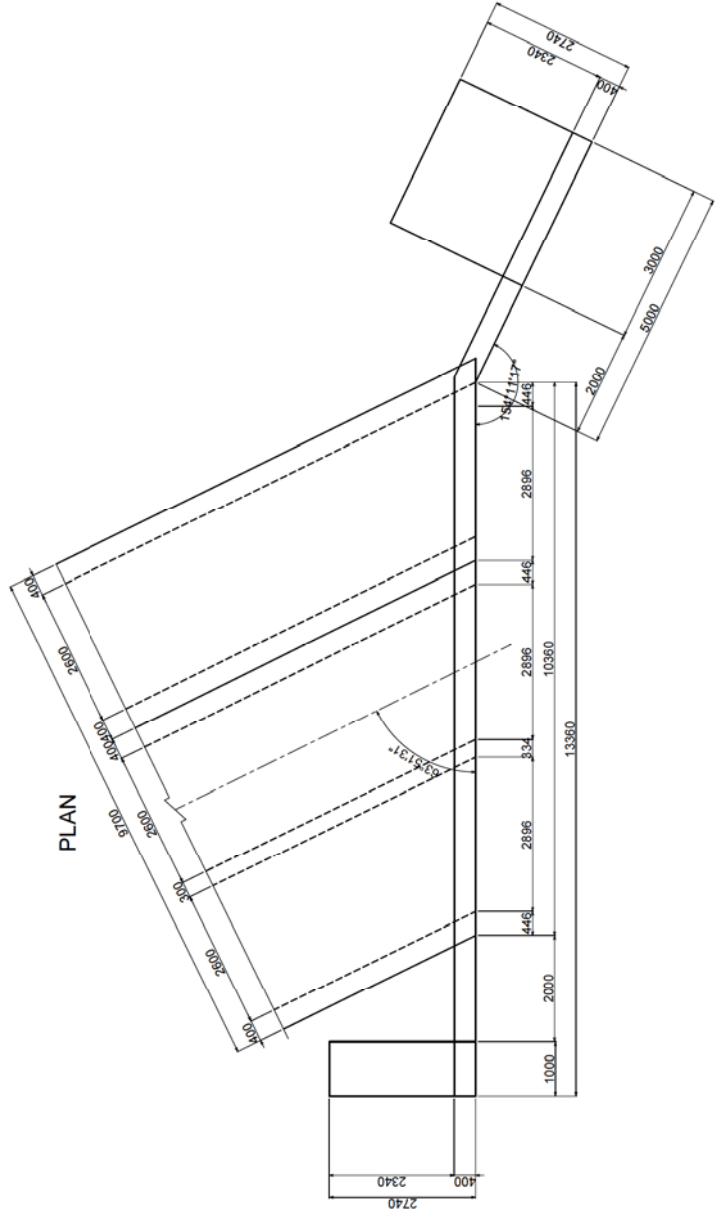


LEFT SIDE
(DOWNSTREAM SIDE)

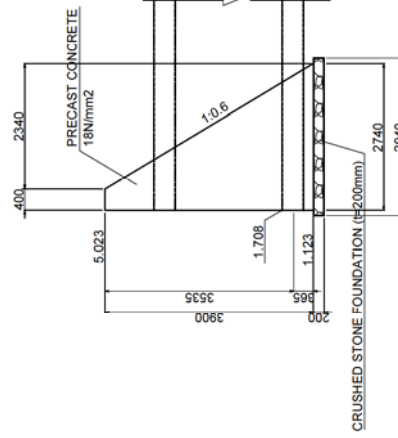
CROSS SECTION



PLAN



CROSS SECTION



SOLOMON ISLANDS GOVERNMENT
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CTI ENGINEERING INTERNATIONAL CO., LTD.
Designed by: _____ Date: _____
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PREPARATORY SURVEY ON
THE PROJECT FOR UPGRADING OF
THE KUKUM HIGHWAY PHASE 2

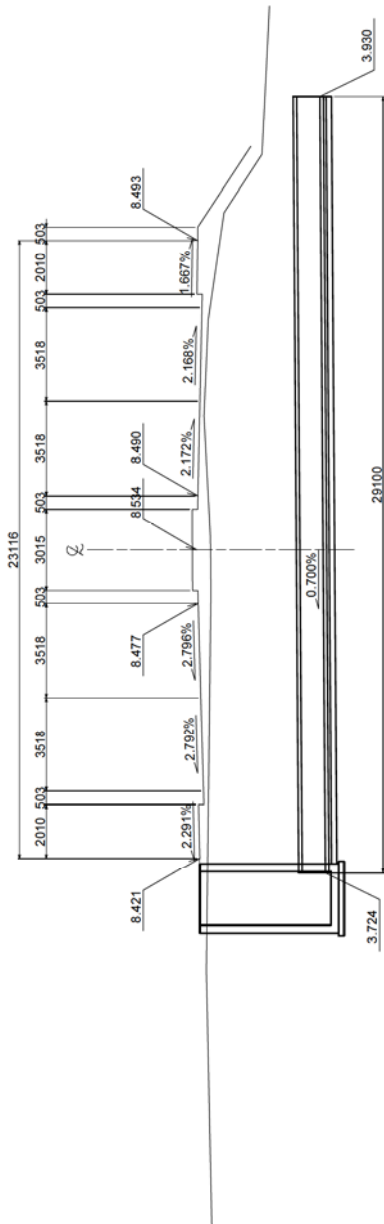
TITLE:
STA.3+938.4
CROSS DRAINAGE (BOX CULVERT) (2)

Drawing No. 040
SCALE 1:50
DATE

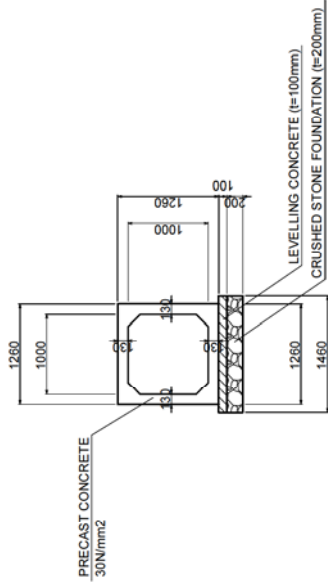
STA.4+756.8 CROSS DRAINAGE (BOX CULVERT) (1)

BOX CULVERT

1-1 SECTION S=1:100

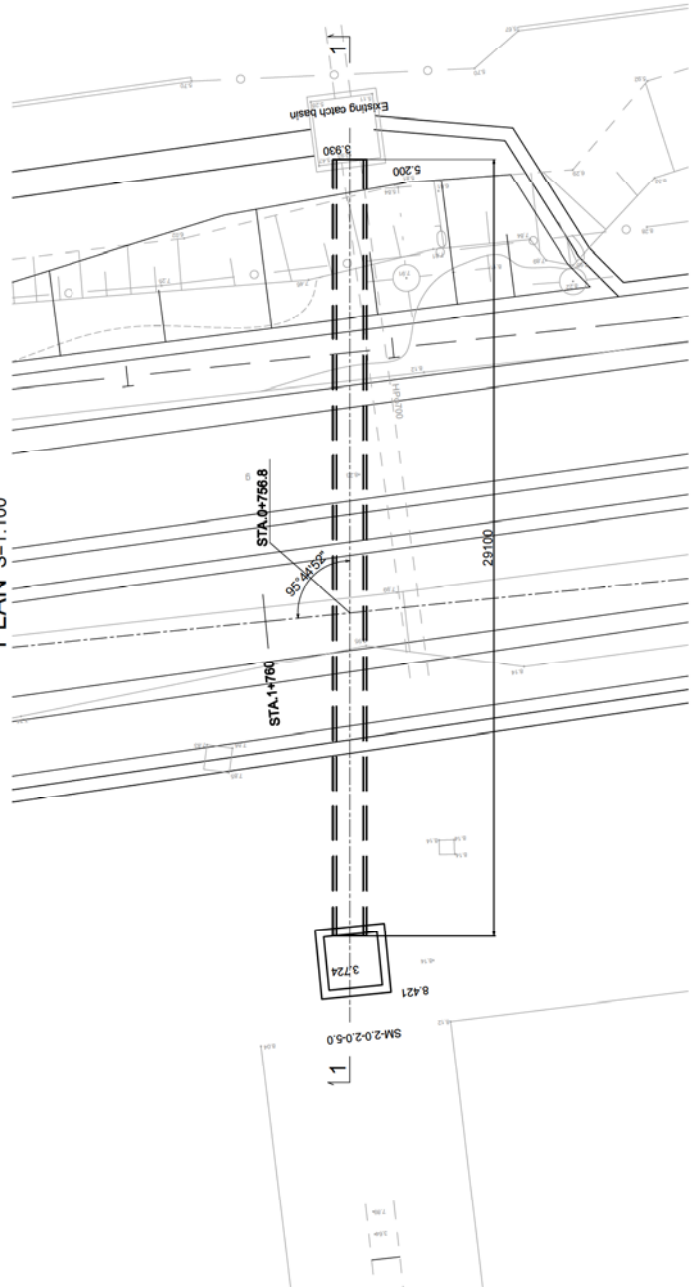


TYPICAL CROSS SECTION S=1:30



0.000
GROUND LEVEL

PLAN S=1:100



SOLOMON ISLANDS GOVERNMENT
MINISTRY OF
INFRASTRUCTURE DEVELOPMENT
Approved by: _____
Date: _____



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

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

TITLE:
STA.4+756.8
CROSS DRAINAGE (BOX CULVERT) (1)

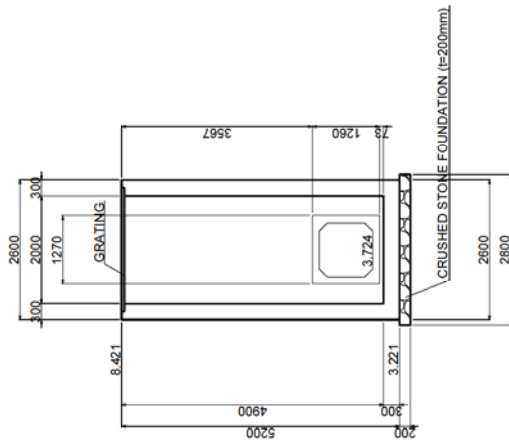
Drawing No. 042
SCALE 1:100, 1:30
DATE

STA.4+756.8 CROSS DRAINAGE (BOX CULVERT) (2) S=1:50

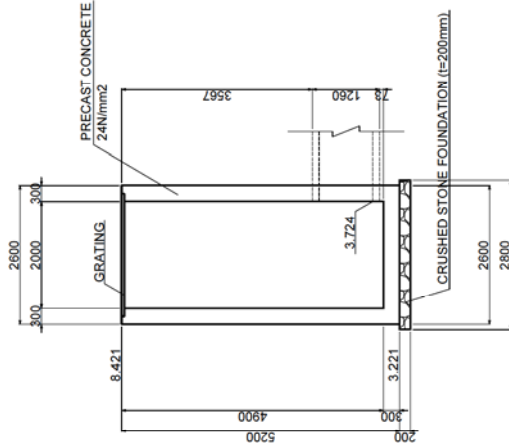
CATCH BASIN

LEFT SIDE
(DOWNSTREAM SIDE)

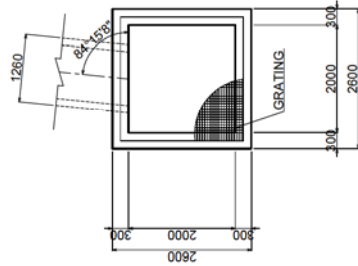
FRONT VIEW



CROSS SECTION



PLAN



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

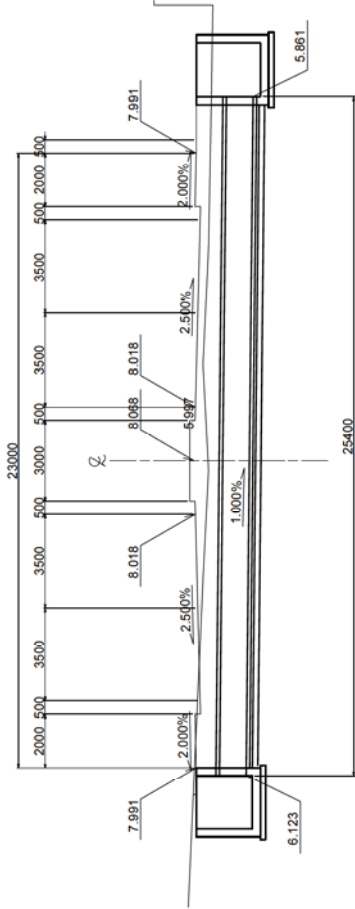
TITLE:
STA.4+756.8
CROSS DRAINAGE (BOX CULVERT) (2)

Drawing No.	043
SCALE	1:50
DATE	

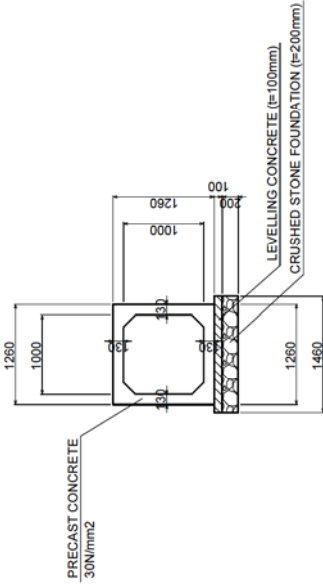
STA.4+799.0 CROSS DRAINAGE (BOX CULVERT) (1)

BOX CULVERT

1-1 SECTION S=1:100

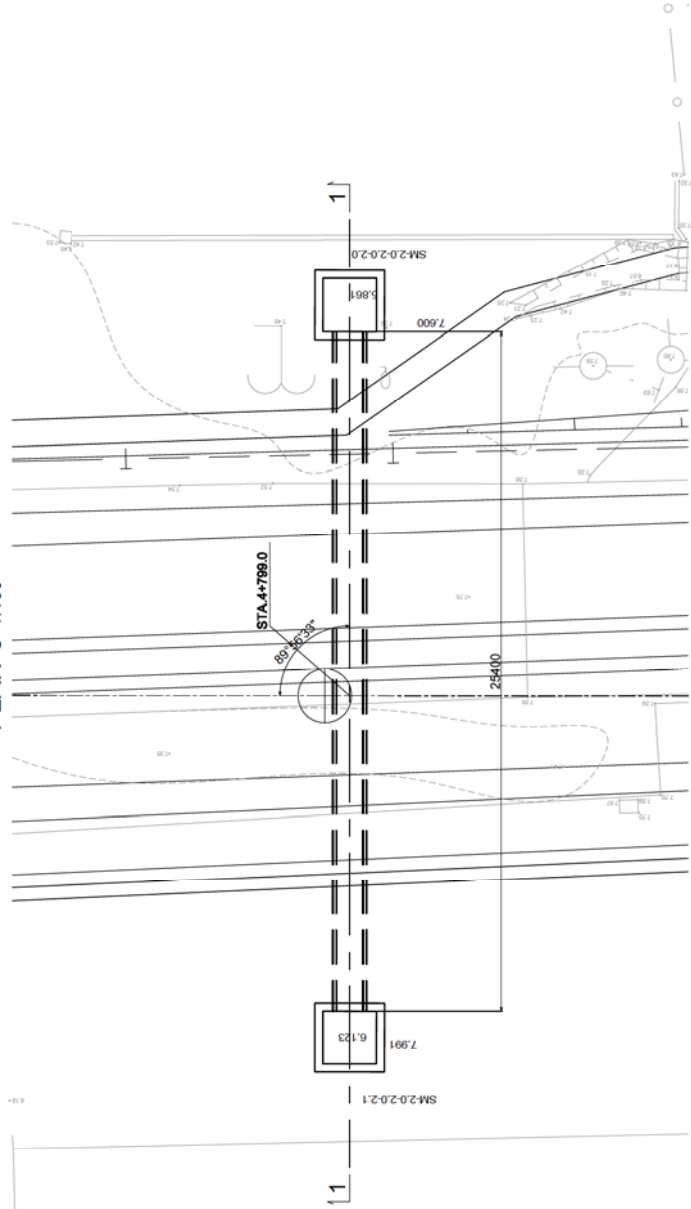


TYPICAL CROSS SECTION S=1:30



0.000
GROUND LEVEL

PLAN S=1:100



SOLOMON ISLANDS GOVERNMENT
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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:
STA.4+799.0
CROSS DRAINAGE (BOX CULVERT) (1)

Drawing No. 044
SCALE 1:100, 1:30
DATE

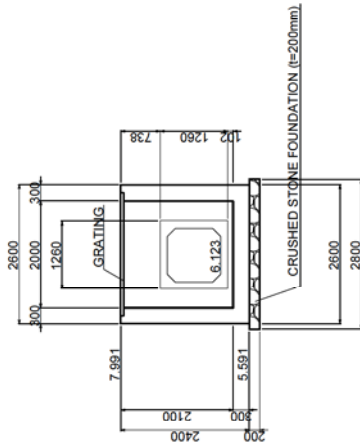
STA.4+799.0 CROSS DRAINAGE (BOX CULVERT) (2) S=1:50

CATCH BASIN

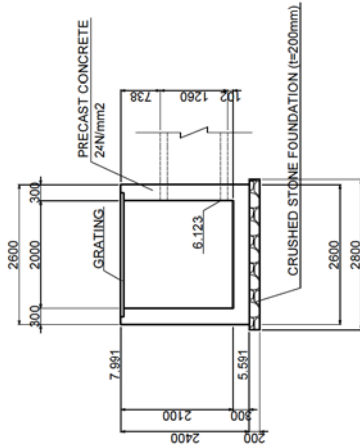
LEFT SIDE
(UPSTREAM SIDE)

RIGHT SIDE
(DOWNSTREAM SIDE)

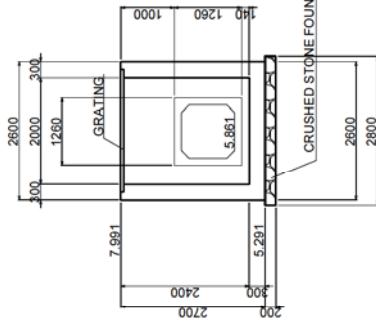
FRONT VIEW



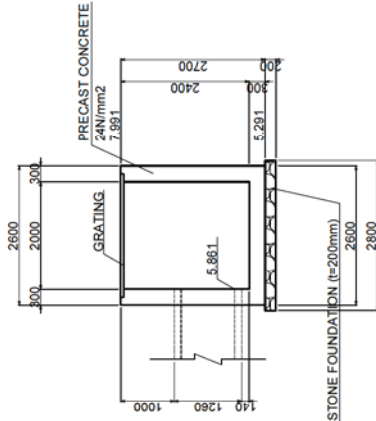
CROSS SECTION



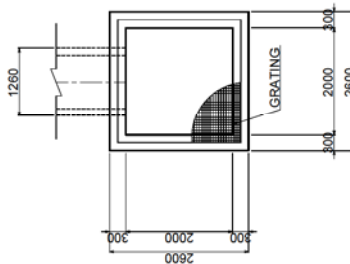
FRONT VIEW



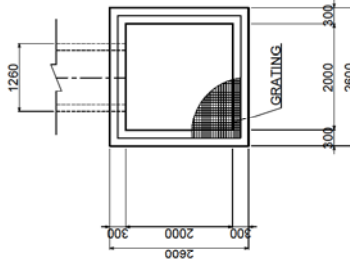
CROSS SECTION



PLAN



PLAN



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:
STA.4+799.0
CROSS DRAINAGE (BOX CULVERT) (2)

Drawing No. 045

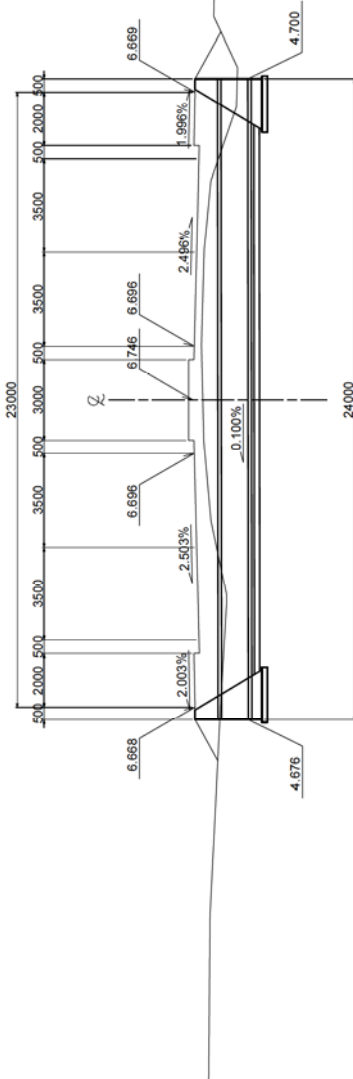
SCALE 1:50

DATE

STA.5+973.9 CROSS DRAINAGE (BOX CULVERT) (1)

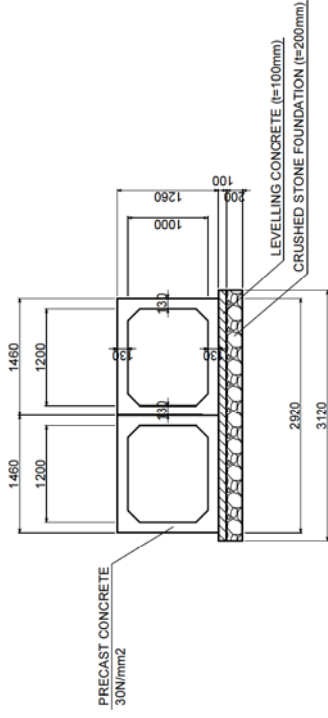
BOX CULVERT

1-1 SECTION S=1:100

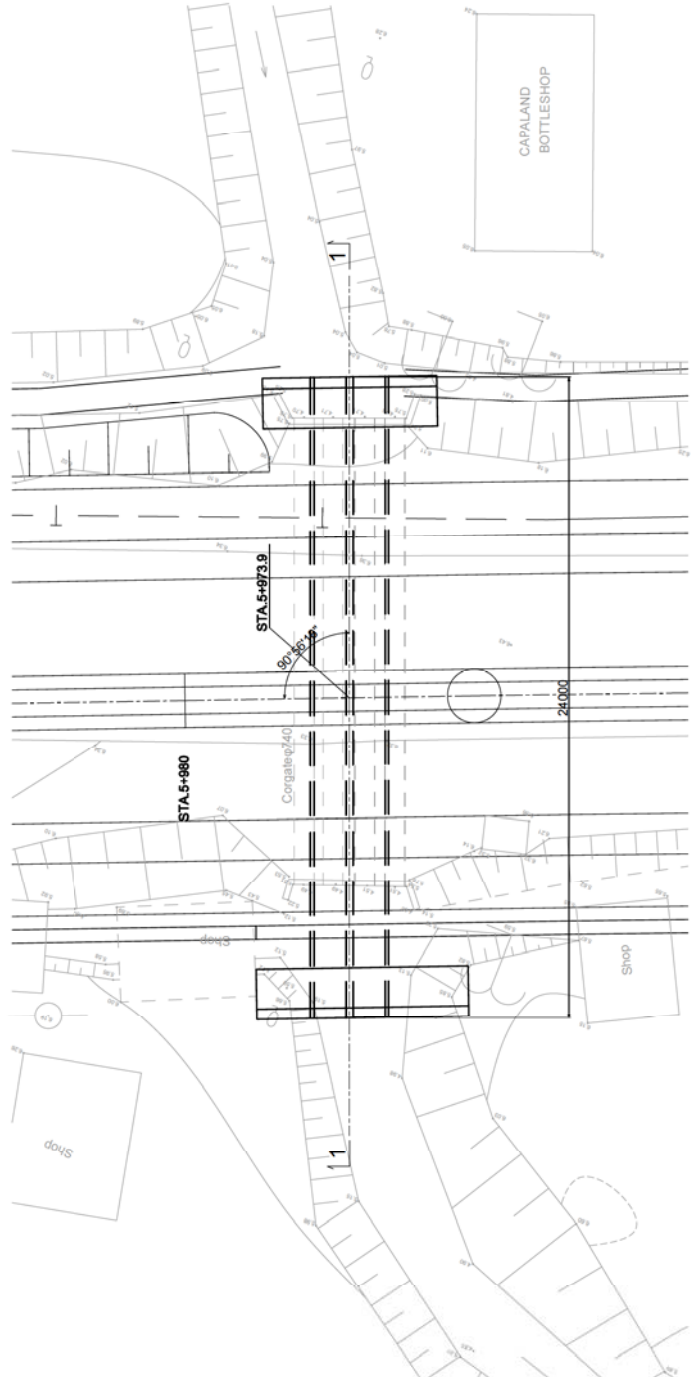



0.000
GROUND LEVEL

TYPICAL CROSS SECTION S=1:30



PLAN S=1:100



SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by: _____ Date: _____	 CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by: _____ Date: _____ Checked by: _____ Date: _____	TITLE: STA.5+973.9 CROSS DRAINAGE (BOX CULVERT) (1)		Drawing No. 046
		PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2		SCALE 1:100, 1:30 DATE

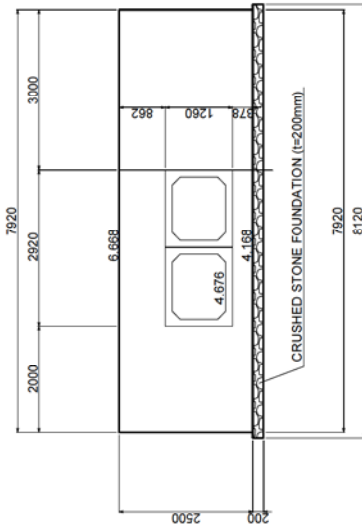
STA.5+973.9 CROSS DRAINAGE (BOX CULVERT) (2) S=1:50

WING WALL

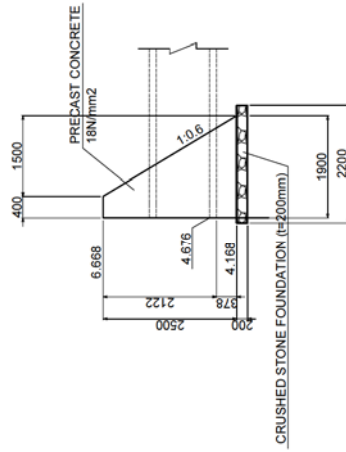
LEFT SIDE
(DOWNSTREAM SIDE)

RIGHT SIDE
(UPSTREAM SIDE)

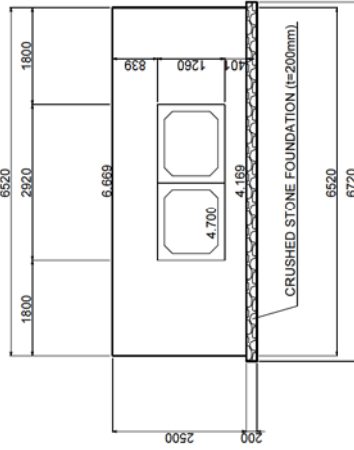
FRONT VIEW



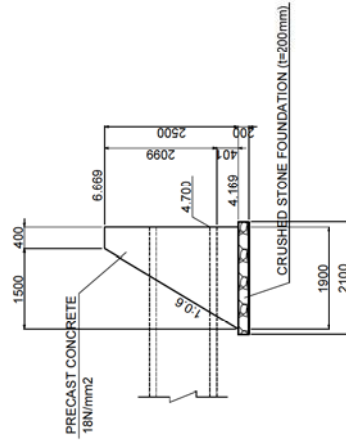
CROSS SECTION



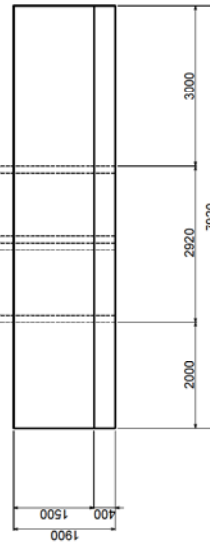
FRONT VIEW



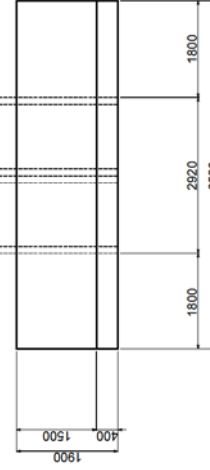
CROSS SECTION



PLAN



PLAN



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

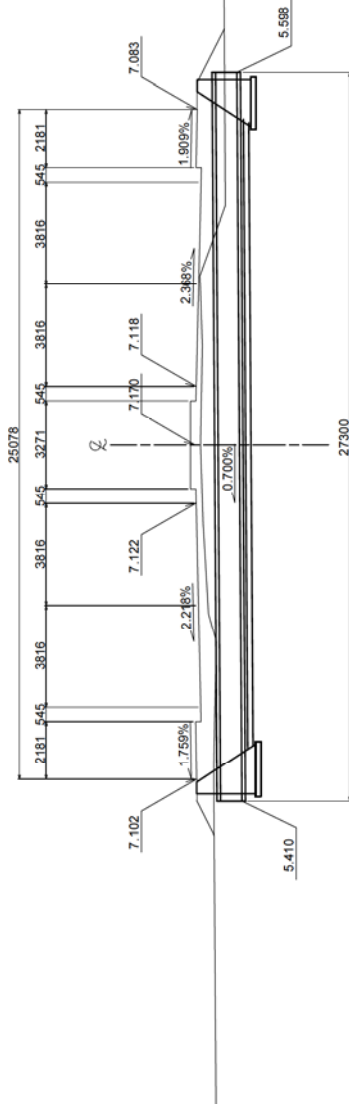
TITLE:
STA.5+973.9
CROSS DRAINAGE (BOX CULVERT) (2)

Drawing No.	047
SCALE	1:50
DATE	

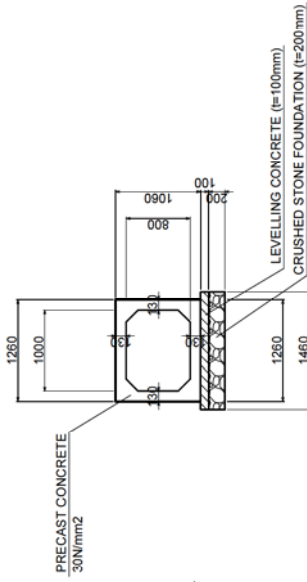
STA.6+389.9 CROSS DRAINAGE (BOX CULVERT) (1)

BOX CULVERT

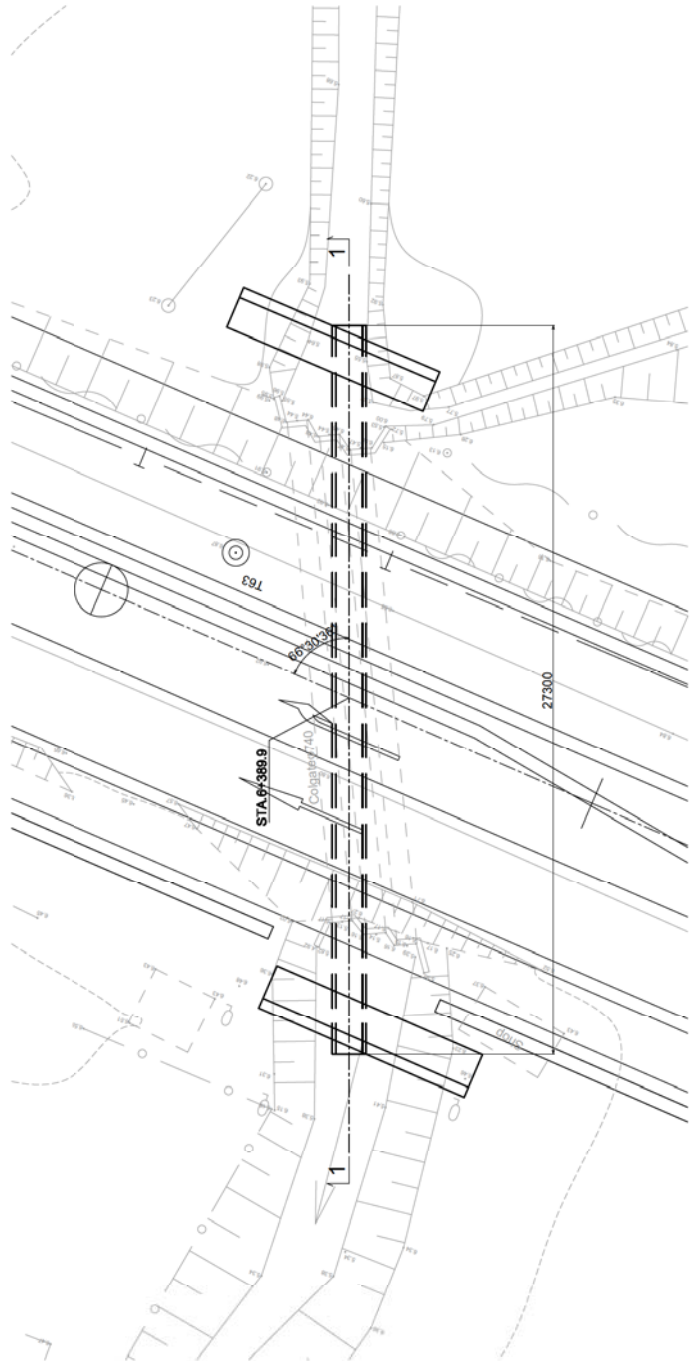
1-1 SECTION S=1:100



TYPICAL CROSS SECTION S=1:30



PLAN S=1:100



0.000
GROUND LEVEL

SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by: _____ Date: _____	CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by: _____ Date: _____ Checked by: _____ Date: _____	TITLE: STA.6+389.9 CROSS DRAINAGE (BOX CULVERT) (1)	
		Drawing No. 048	SCALE 1:100, 1:30
		DATE	

STA.6+389.9 CROSS DRAINAGE (BOX CULVERT) (2) S=1:50

WING WALL

LEFT SIDE
(DOWNSTREAM SIDE)

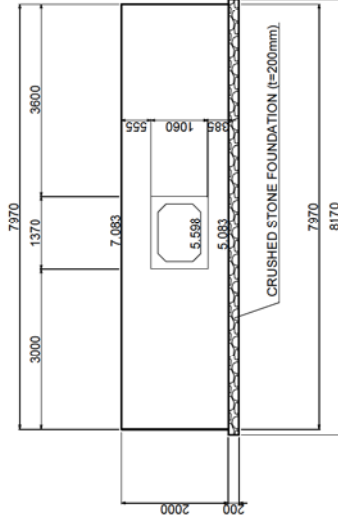
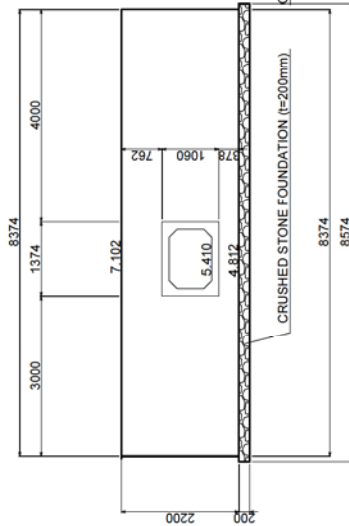
RIGHT SIDE
(UPSTREAM SIDE)

FRONT VIEW

CROSS SECTION

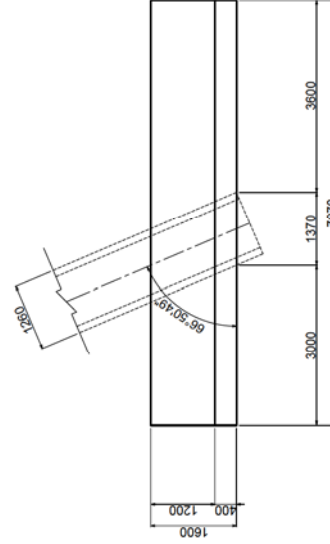
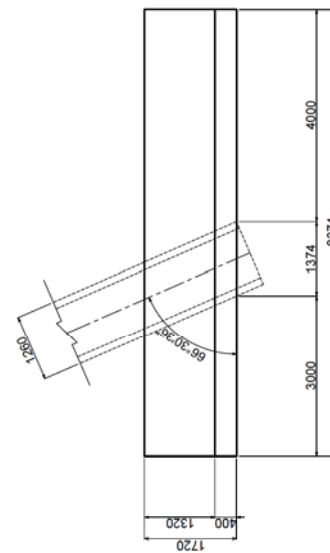
FRONT VIEW

CROSS SECTION



PLAN

PLAN



SOLOMON ISLANDS GOVERNMENT
MINISTRY OF
INFRASTRUCTURE DEVELOPMENT



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

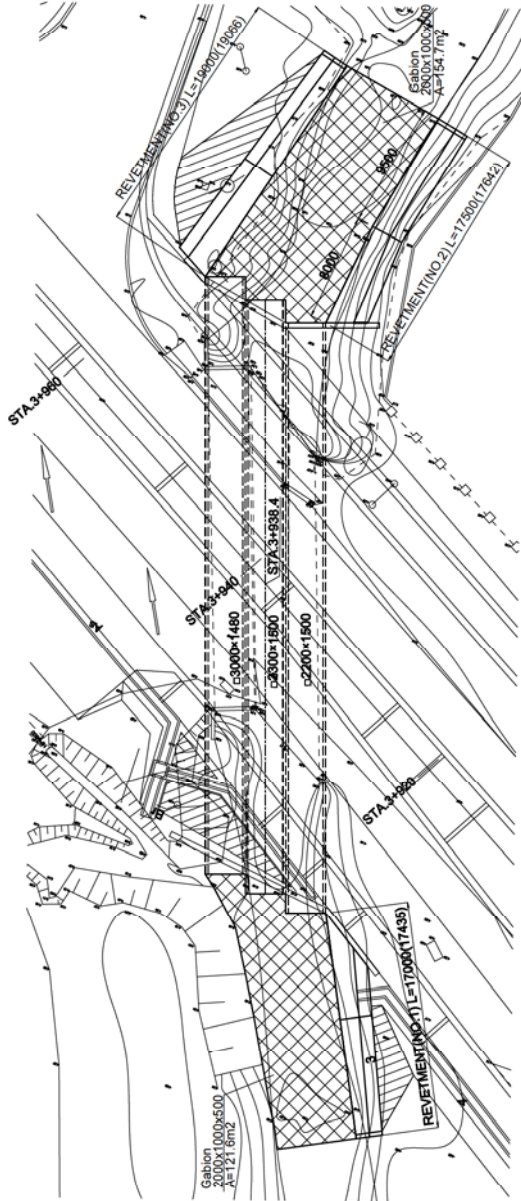
PREPARATORY SURVEY ON
THE PROJECT FOR UPGRADING OF
THE KUKUM HIGHWAY PHASE 2

TITLE:
STA.6+389.9
CROSS DRAINAGE (BOX CULVERT) (2)

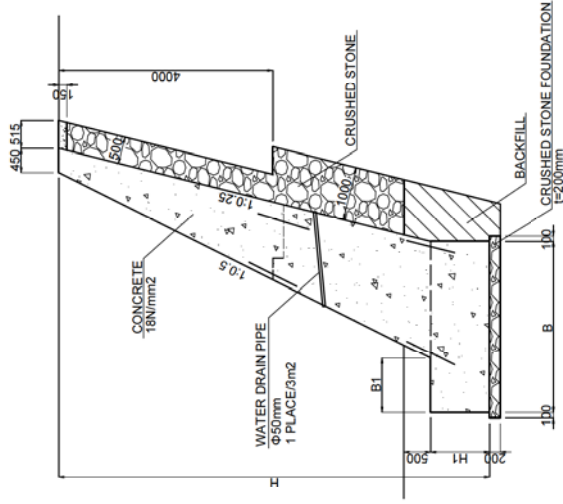
Drawing No. 049
SCALE 1:50
DATE

REVETMENT

PLAN S=1:200



CROSS SECTION S=1:50

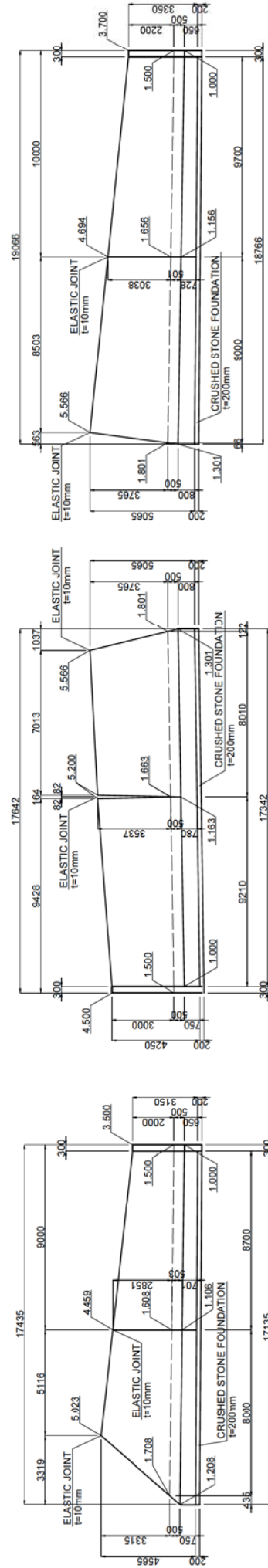


FRONT VIEW S=1:100

REVETMENT (NO.3)

REVETMENT (NO.2)

REVETMENT (NO.1)



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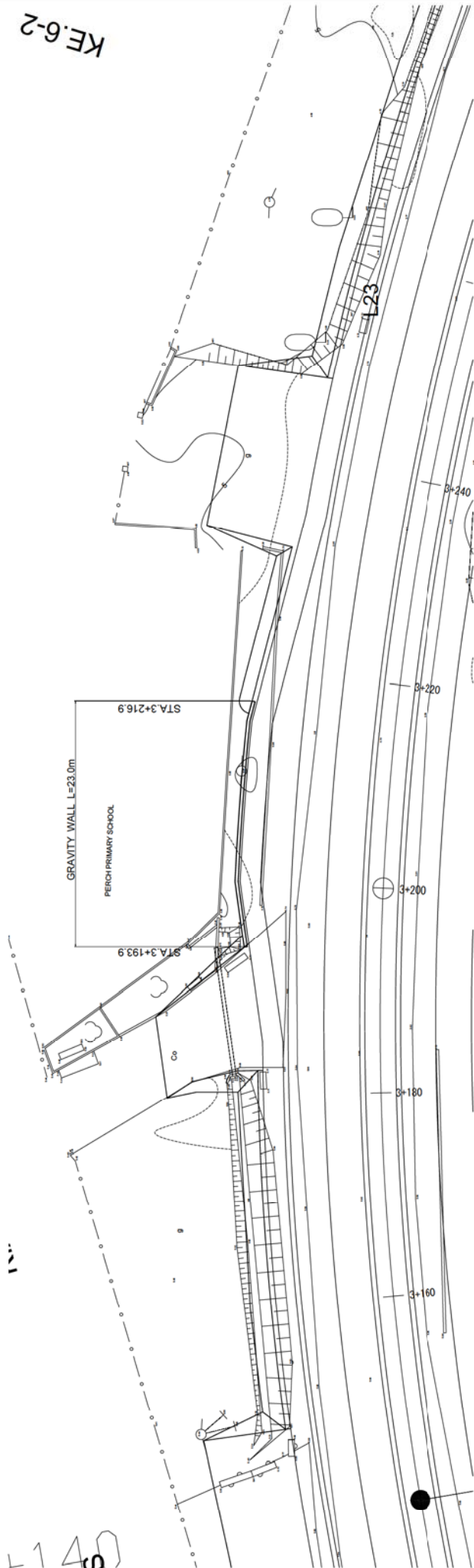
CTI ENGINEERING INTERNATIONAL CO., LTD.
Designed by: _____ Date: _____
Checked by: _____ Date: _____

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

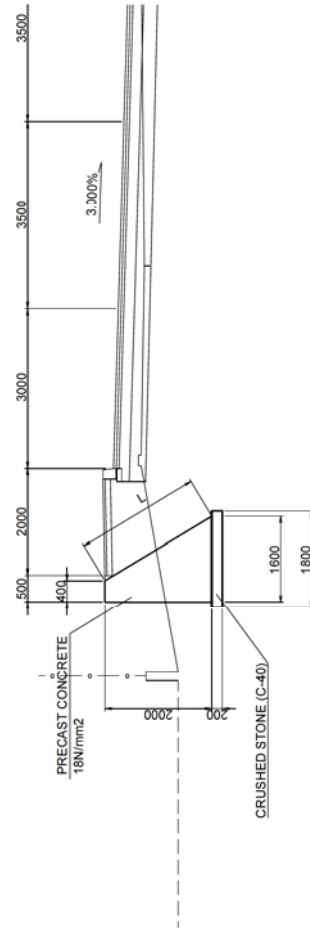
Drawing No. 050
SCALE 1:200, 1:100, 1:50
DATE

RETAINING WALL (1)

PLAN S=1:200



GRAVITY WALL CROSS SECTION S=1:50



GW36

DIMENSION TABLE (mm)		REMARKS
H	B	L
2000	1600	2333

Drawing No.	051
SCALE	1:200, 1:50
DATE	

TITLE: RETAINING WALL (1)

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

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

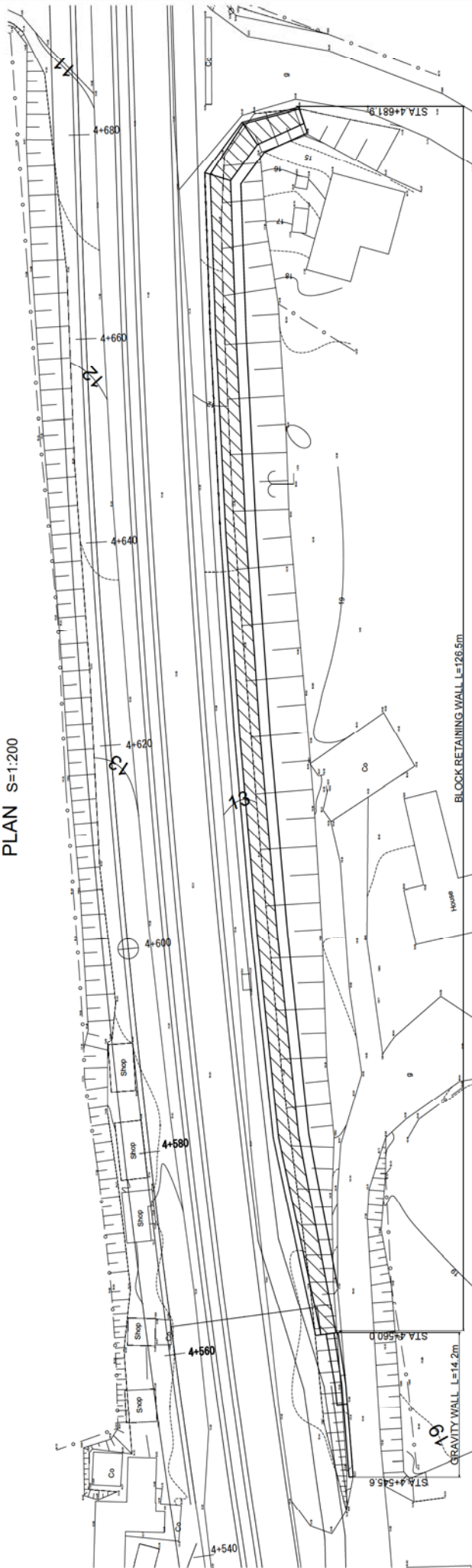


SOLOMON ISLANDS GOVERNMENT
 MINISTRY OF INFRASTRUCTURE DEVELOPMENT
 Approved by: _____ Date: _____

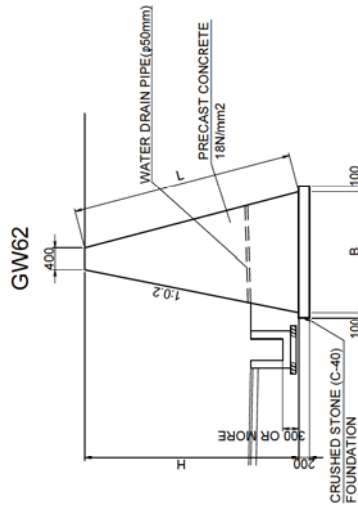


RETAINING WALL (2)

PLAN S=1:200



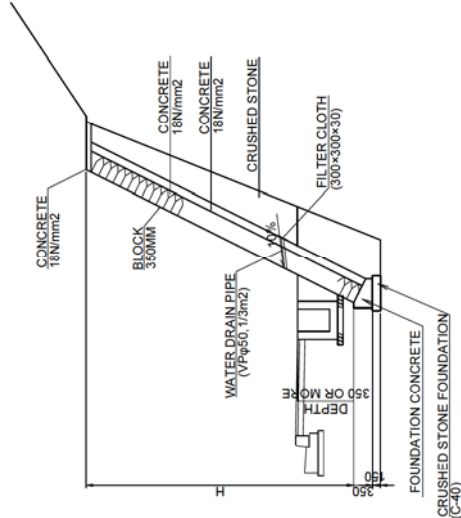
GRAVITY WALL CROSS SECTION S=1:50



GW36

DIMENSION TABLE (mm)			REMARKS
H	B	L	
1820	1492	2122	
3000	2200	3499	

RETAINING WALL CROSS SECTION S=1:50



GW62

DIMENSION TABLE (mm)			REMARKS
H	B	L	
3000	1788	3102	
3325	1938	3438	
3881	2195	4012	



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CTI ENGINEERING INTERNATIONAL CO., LTD.
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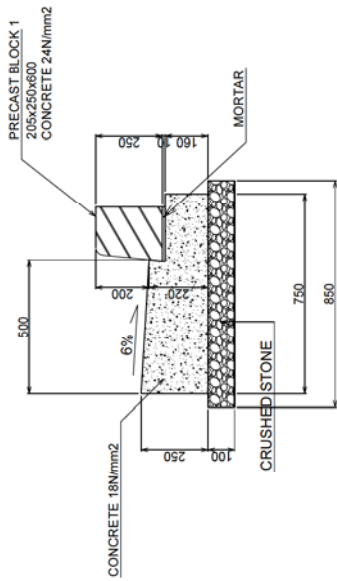
PREPARATORY SURVEY ON
THE PROJECT FOR UPGRADING OF
THE KUKUM HIGHWAY PHASE 2

TITLE:
RETAINING WALL (2)

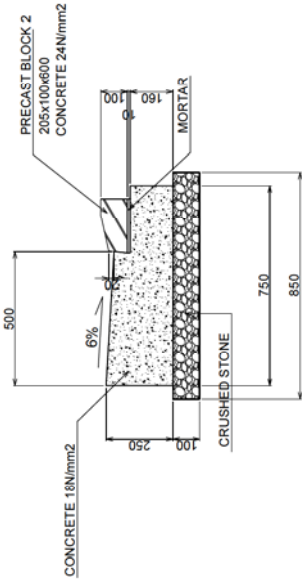
Drawing No. 052
SCALE 1:200, 1:50
DATE

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

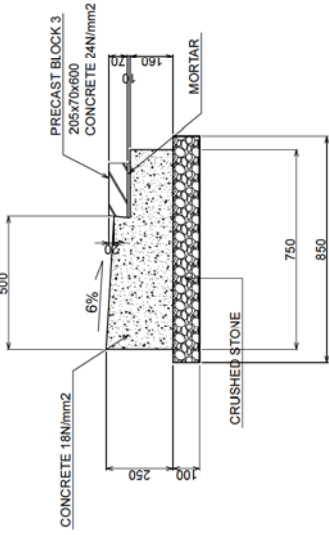
Type1
CS-200A



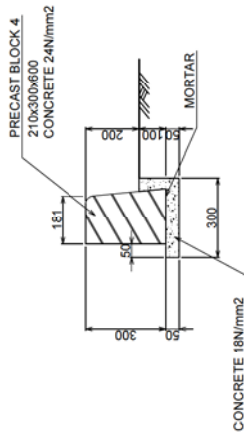
Type1-2
CS-100A



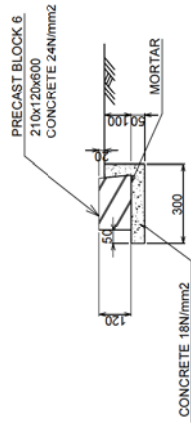
Type1-3
CS-70A



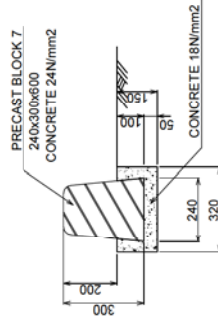
Type2



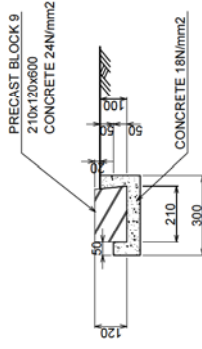
Type2-3



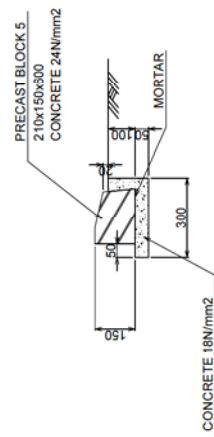
Type3



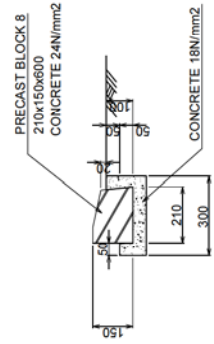
Type3-3



Type2-2



Type3-2



SOLOMON ISLANDS GOVERNMENT
MINISTRY OF
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

DRAINAGE STRUCTURE
GENERAL DRAWINGS (1)

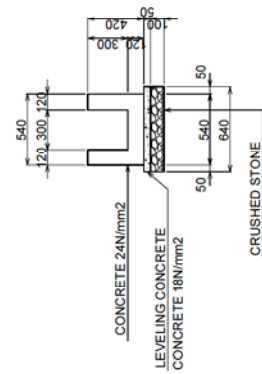
Drawing No. 054

SCALE 1:10

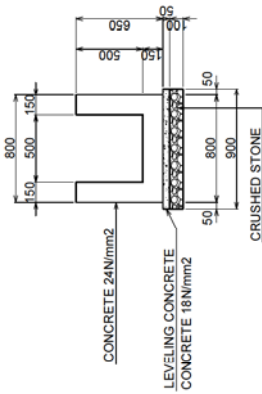
DATE

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

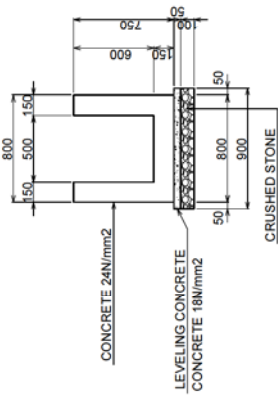
U-0.30-0.30



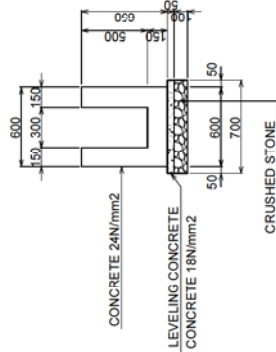
U-0.50-0.50



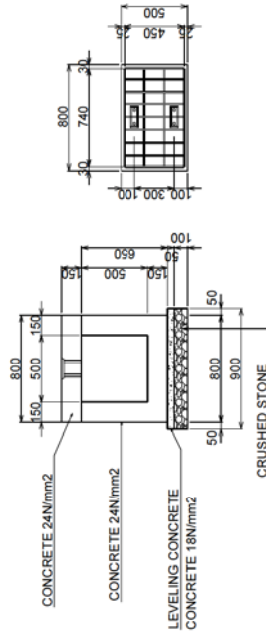
U-0.50-0.60



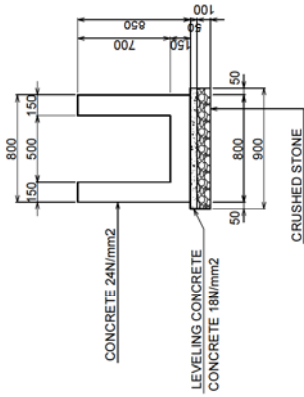
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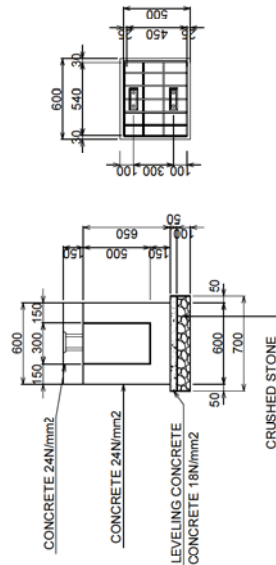
U-0.50-0.50 (COVER)



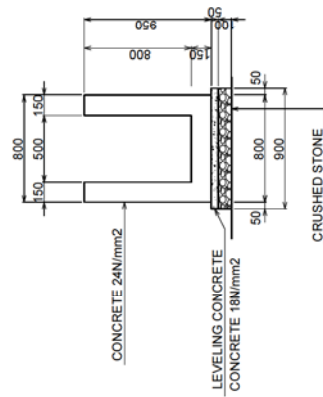
U-0.50-0.70



U-0.30-C.50 (COVER)



U-0.50-0.80



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TITLE :
PREPARATORY SURVEY ON
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THE KUKUM HIGHWAY PHASE 2

DRAINAGE STRUCTURE
GENERAL DRAWINGS (2)

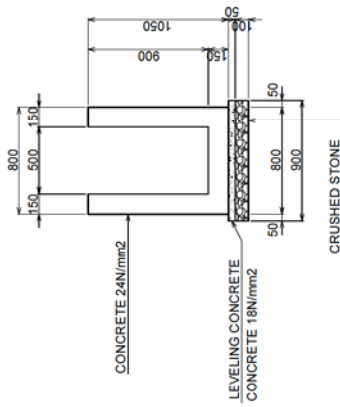
Drawing No. 055

SCALE 1:20

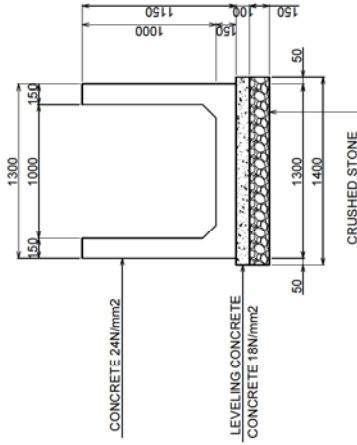
DATE

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

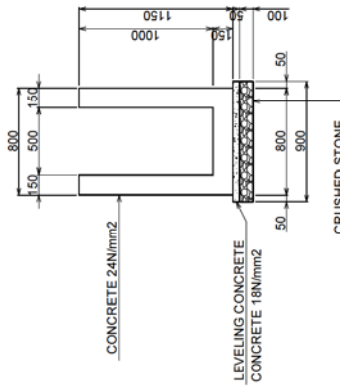
U-0.50-0.90



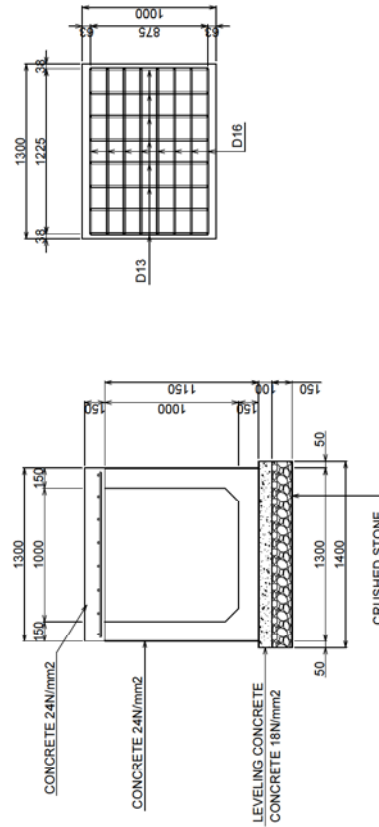
U-1.00-1.00



U-0.50-1.00



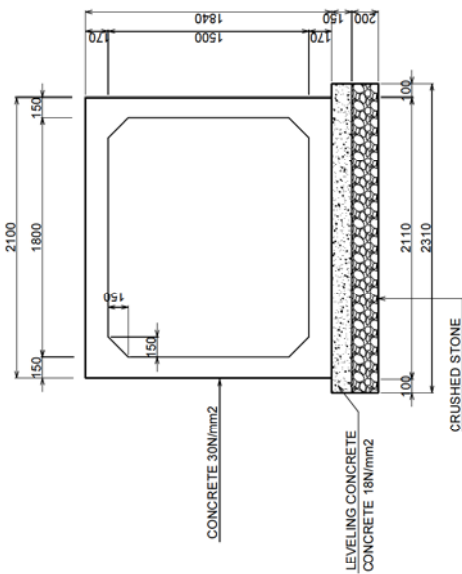
U-1.00-1.00 (COVER)



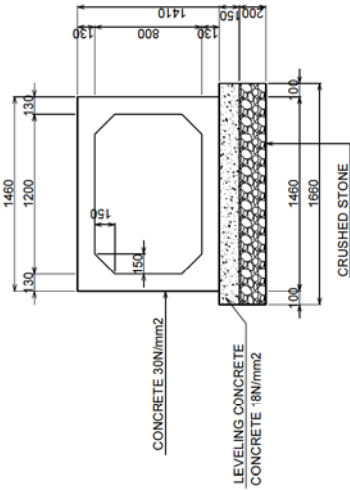
SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by: _____ Date: _____	CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by: _____ Date: _____ Checked by: _____ Date: _____	PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2	TITLE : DRAINAGE STRUCTURE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

DRAINAGE STRUCTURE GENERAL DRAWINGS (4) S=1:20

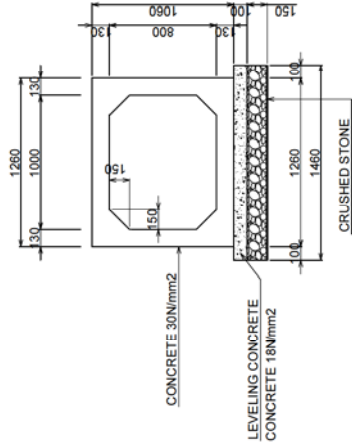
B1.80-H1.50



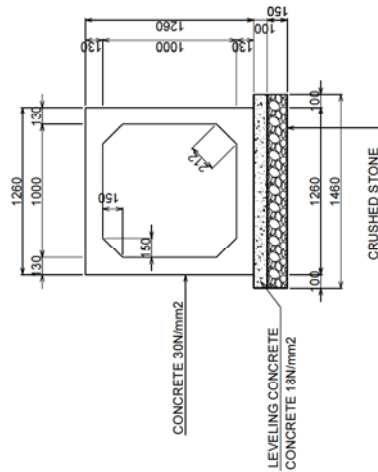
B1.20-H0.80



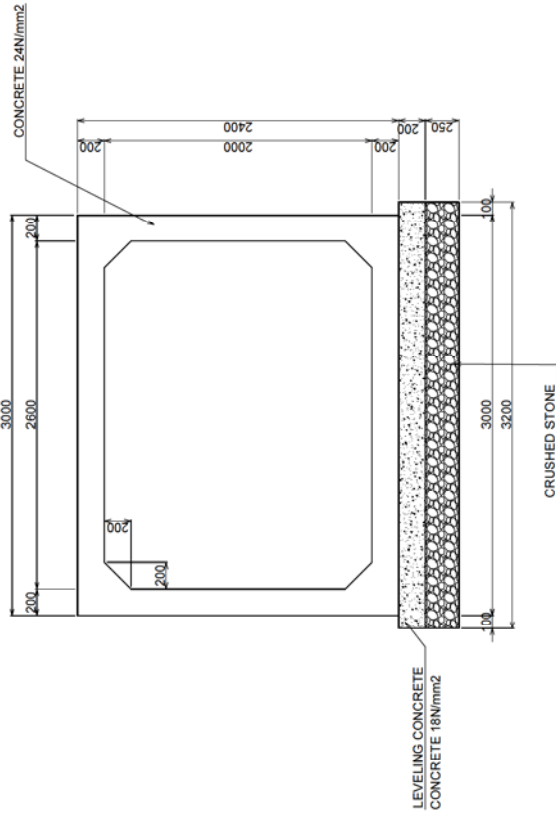
B1.00-H0.80



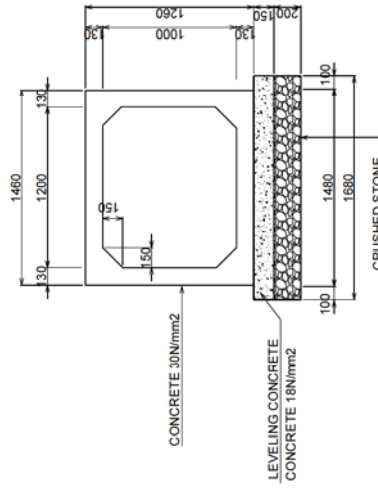
B1.00-H1.00



B2.60-H2.00



B1.20-H1.00



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MINISTRY OF
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CTI ENGINEERING INTERNATIONAL CO., LTD.
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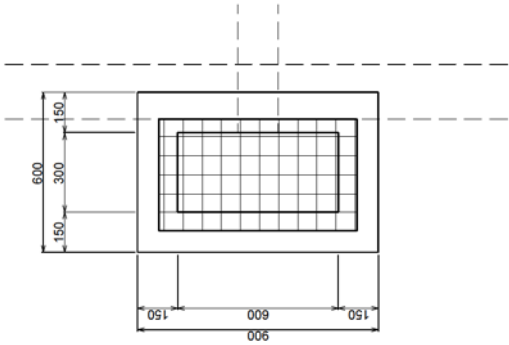
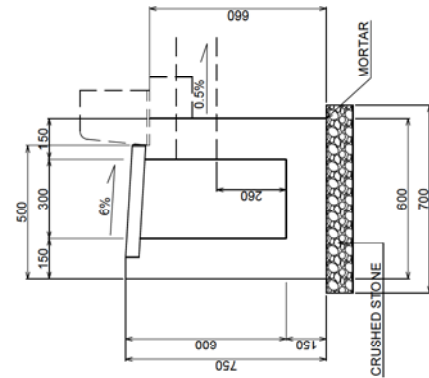
TITLE :
PREPARATORY SURVEY ON
THE PROJECT FOR UPGRADING OF
THE KUKUM HIGHWAY PHASE 2

DRAINAGE STRUCTURE
GENERAL DRAWINGS (4)

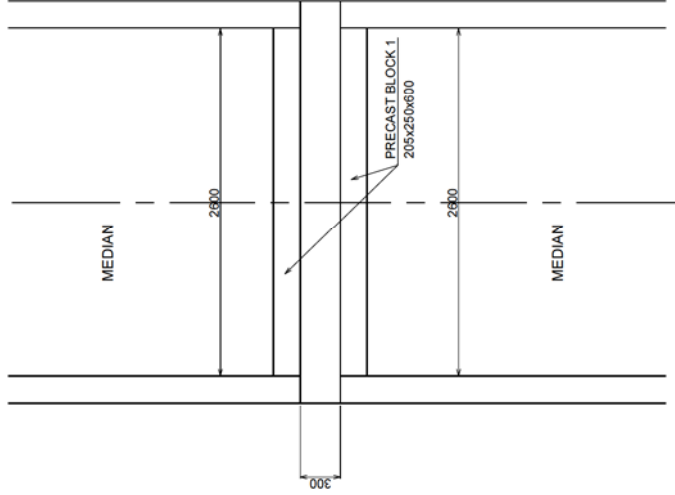
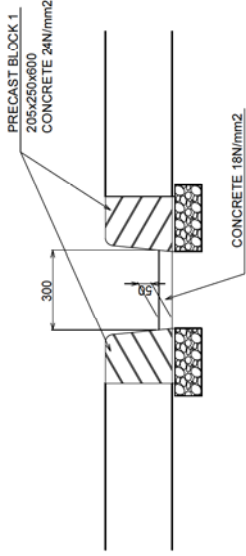
Drawing No. 057
SCALE 1:20
DATE

DRAINAGE STRUCTURE GENERAL DRAWINGS (5)

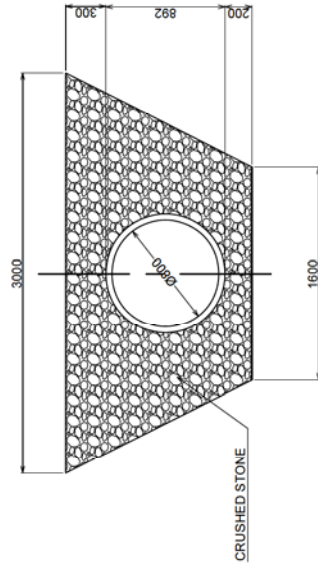
CATCH BASIN S=1:10



MEDIAN OPENINGS FOR DRAINAGE S=1:10



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

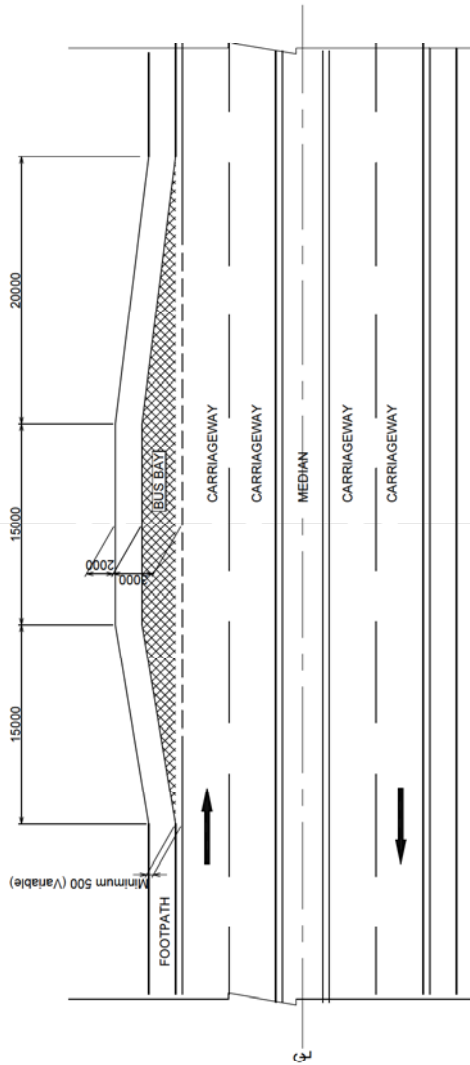


	SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT	CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by: _____ Date: _____ Checked by: _____ Date: _____	PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2	TITLE : DRAINAGE STRUCTURE GENERAL DRAWINGS (5)	Drawing No. 058 SCALE 1:20, 1:10 DATE
	Approved by: _____ Date: _____				

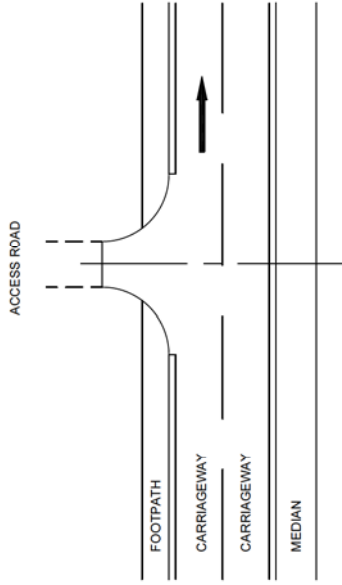
GENERAL DRAWINGS OF BUS BAY AND ACCESS ROAD

PLAN S=1:200

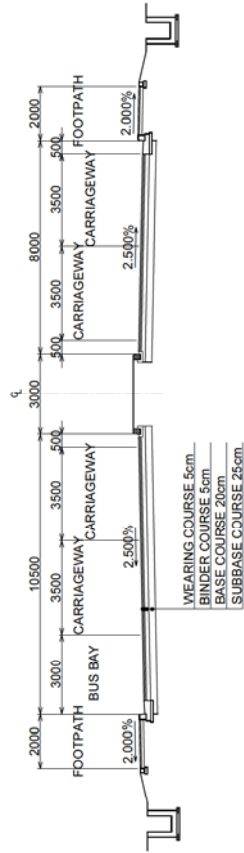
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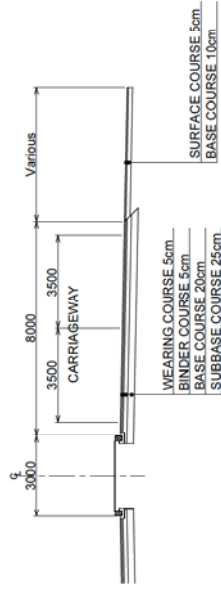
PLAN S=1:200



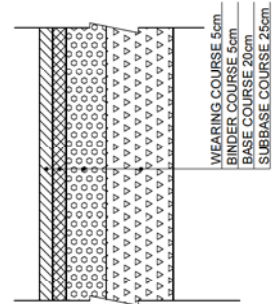
TYPICAL CROSS SECTION S=1:100



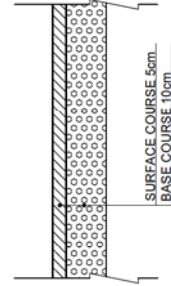
TYPICAL CROSS SECTION S=1:100



PAVEMENT S=1:10



PAVEMENT S=1:10



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Date: _____

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

TITLE:

GENERAL DRAWINGS OF
BUS BAY AND ACCESS ROAD

Drawing No. 060

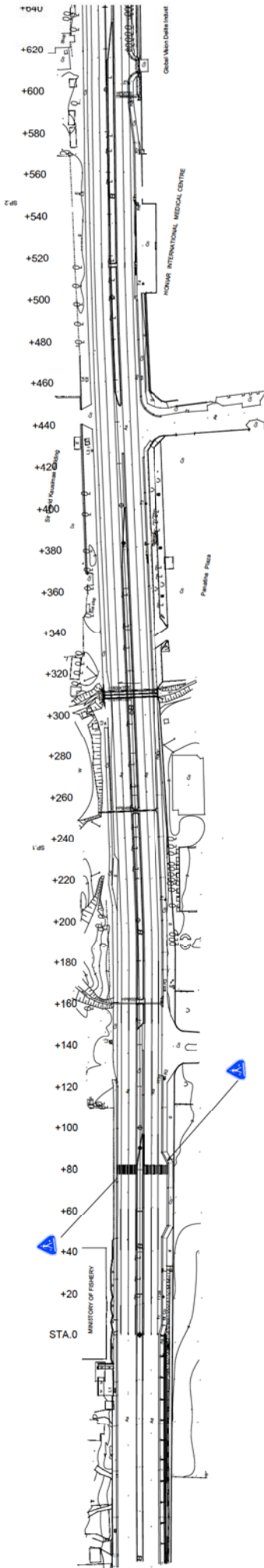
SCALE 1:400, 1:200
1:20
DATE




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



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



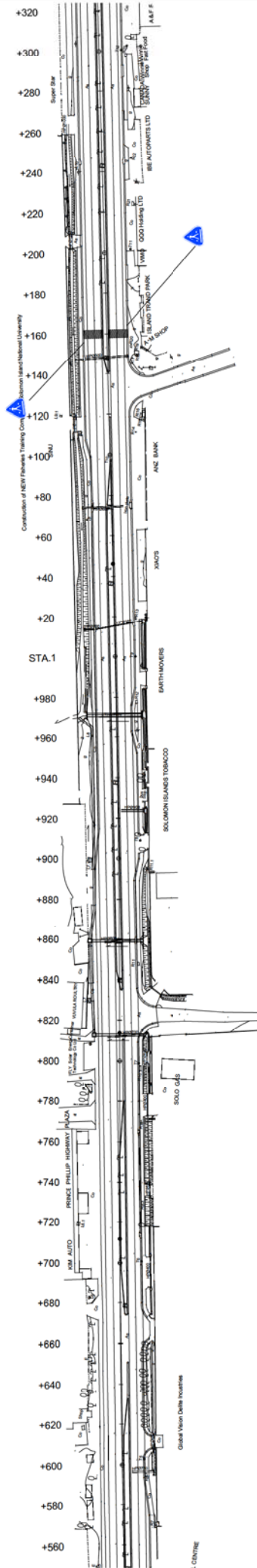
GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.0484.00

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. 061
		LAYOUT PLAN OF TYPICAL TRAFFIC SIGNS (1)		SCALE 1:1,000


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



GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.11-155.02



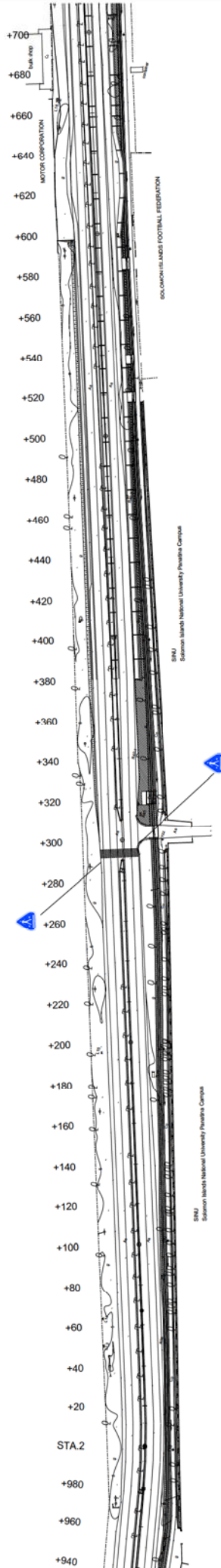
GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.11-154.00

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

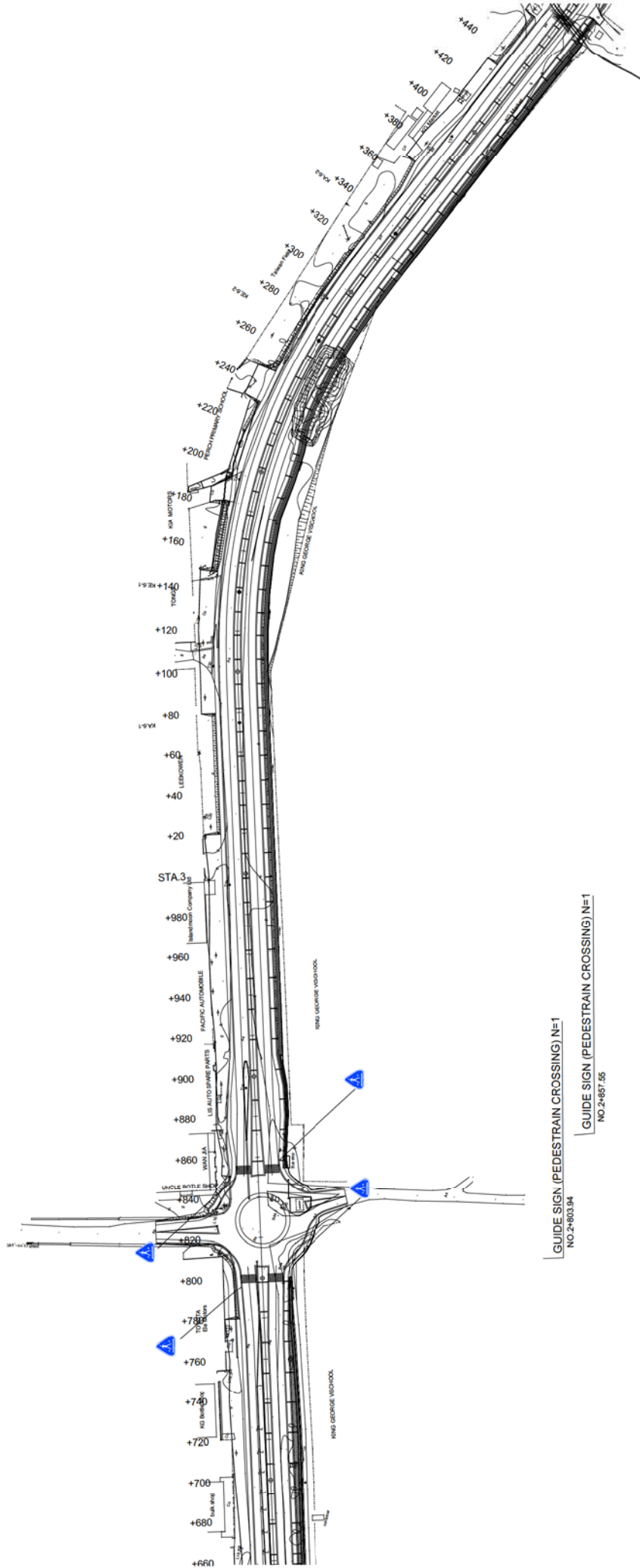
SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by: _____ Date: _____	 CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by: _____ Date: _____ Checked by: _____ Date: _____	TITLE: PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2		Drawing No. 064
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

LAYOUT PLAN OF TYPICAL TRAFFIC SIGNS (5) S=1:1,000



GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.2-4850.08

GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.2-4796.00



GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.2-4803.94

GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.2-4857.55



SOLOMON ISLANDS GOVERNMENT
MINISTRY OF
INFRASTRUCTURE DEVELOPMENT
Approved by: _____
Date: _____



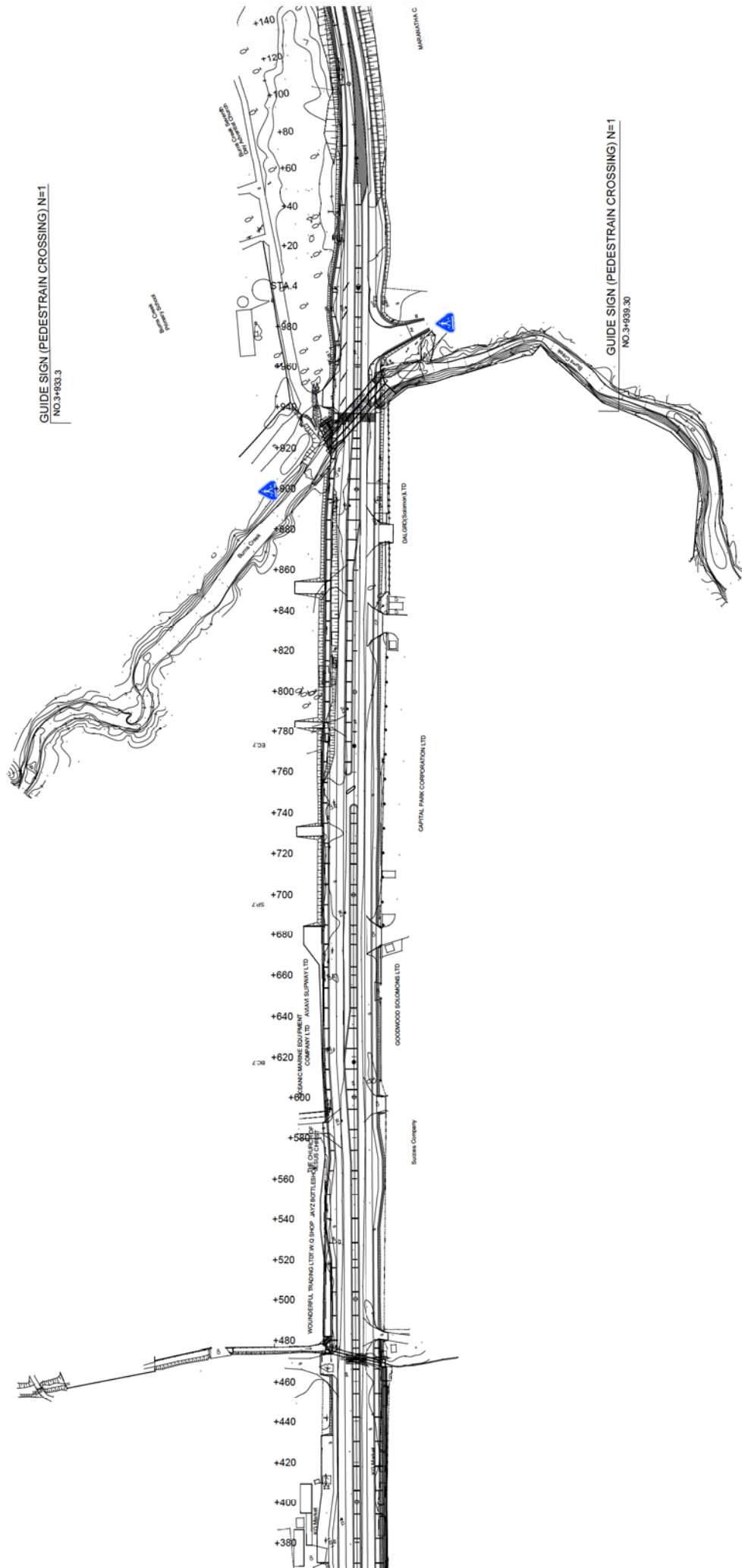
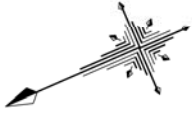
CTI ENGINEERING INTERNATIONAL CO., LTD.
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Checked by: _____ Date: _____


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

LAYOUT PLAN OF
TYPICAL TRAFFIC SIGNS (5)

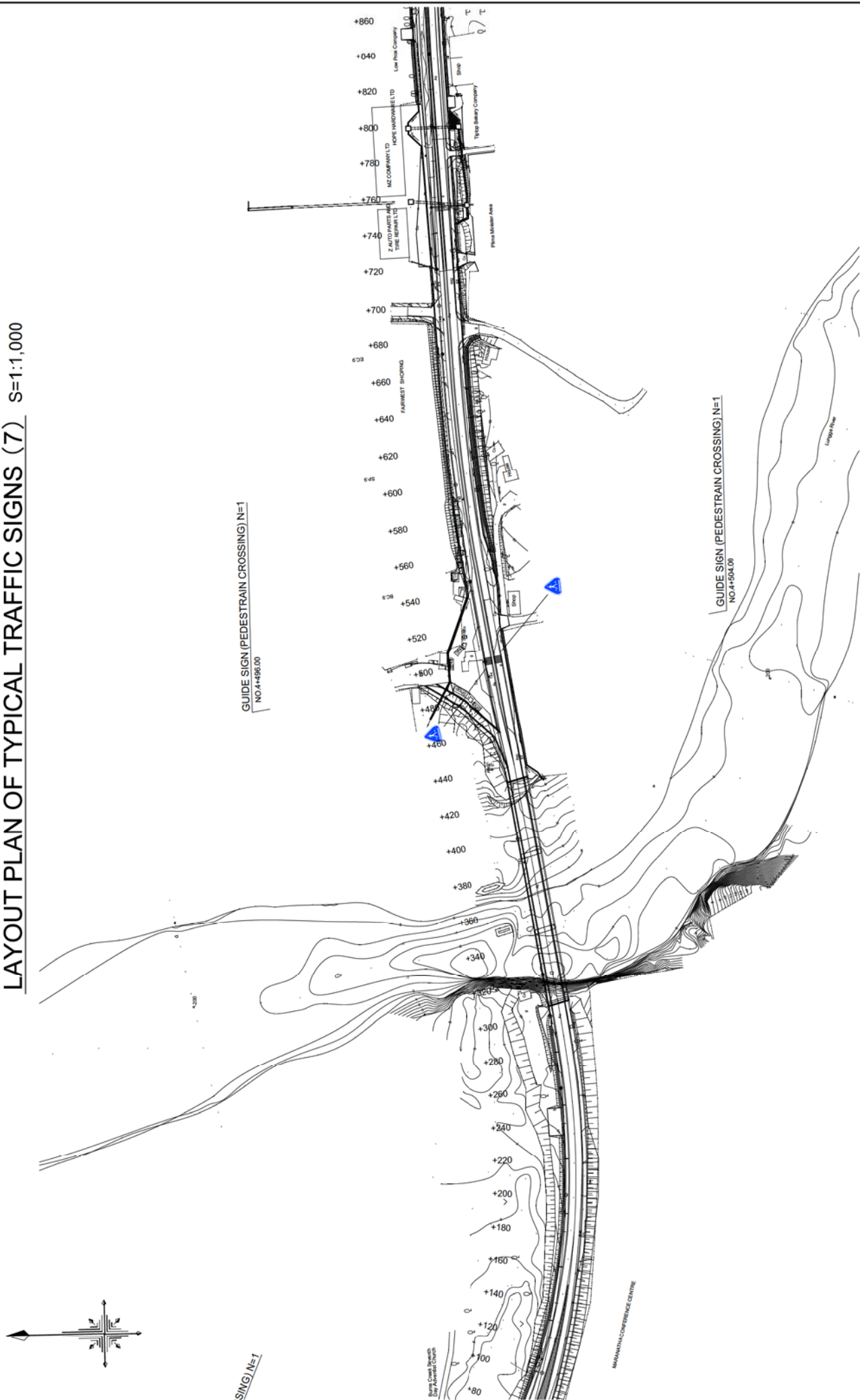
Drawing No.	065
SCALE	1:1,000
DATE	


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



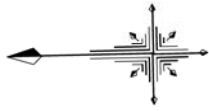
SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by: _____ Date: _____	 CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by: _____ Checked by: _____ Date: _____ Date: _____	TITLE: PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2		Drawing No. 066
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

LAYOUT PLAN OF TYPICAL TRAFFIC SIGNS (7) S=1:1,000



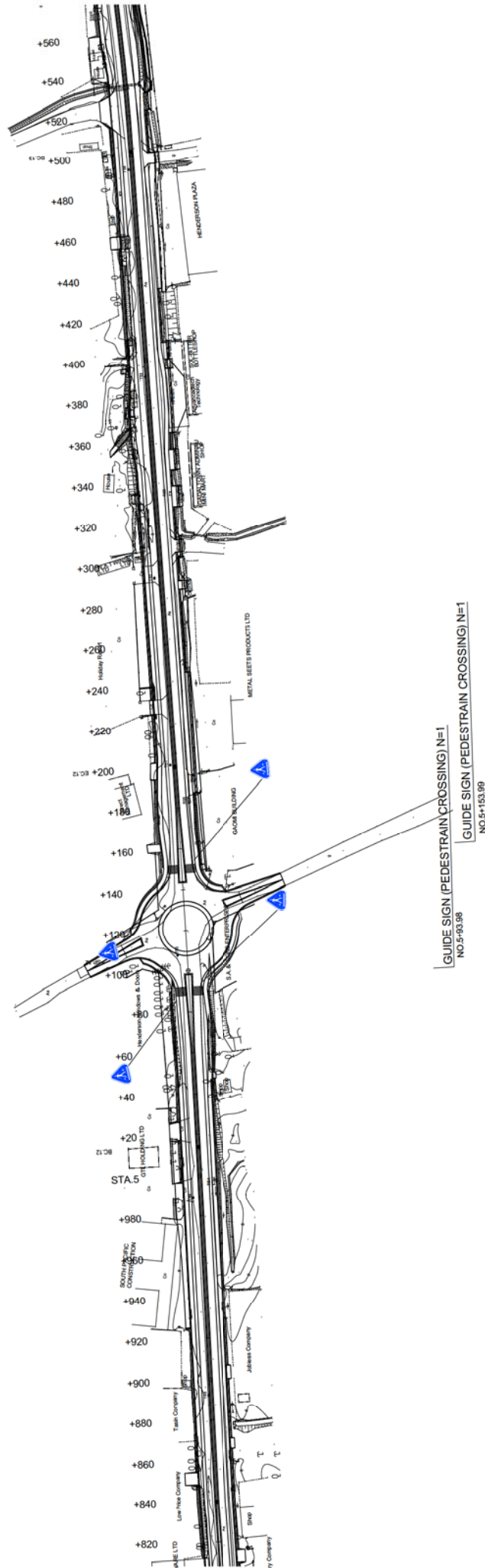
SOLOMON ISLANDS GOVERNMENT MINISTRY OF INFRASTRUCTURE DEVELOPMENT Approved by: _____ Date: _____	 CTI ENGINEERING INTERNATIONAL CO., LTD. Designed by: _____ Date: _____ Checked by: _____ Date: _____	PREPARATORY SURVEY ON THE PROJECT FOR UPGRADING OF THE KUKUM HIGHWAY PHASE 2	TITLE:	Drawing No. 067
				SCALE 1:1,000

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



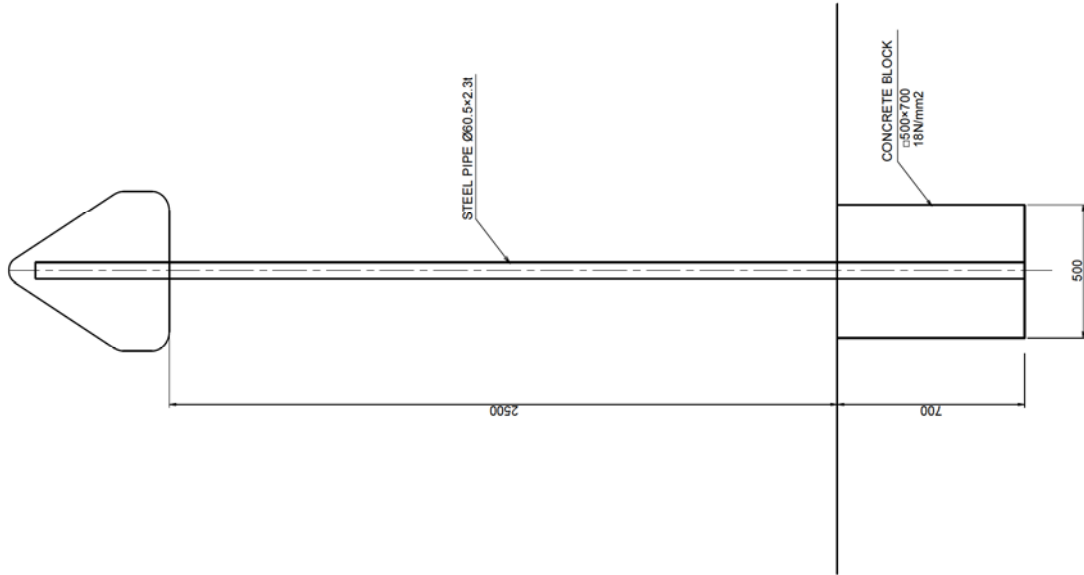
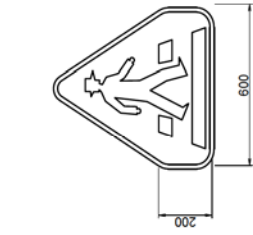
GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.5+146.00

GUIDE SIGN (PEDESTRAIN CROSSING) N=1
NO.5+86.00



TYPICAL TRAFFIC SIGNS GENERAL DRAWINGS S=1:10

PEDESTRIAN CROSSING



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MINISTRY OF
INFRASTRUCTURE DEVELOPMENT

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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	