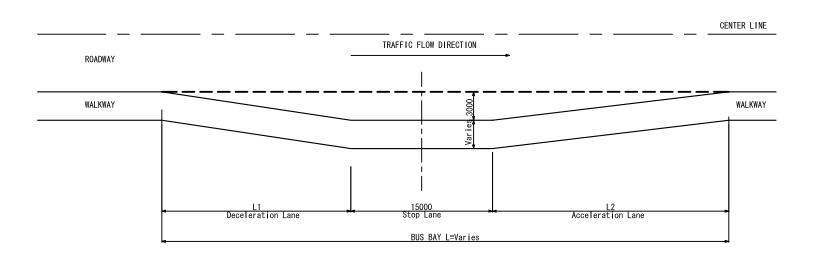


# DETAILS OF PARKING SPACE S=1:200



## **DETAILS OF BUS BAY 1:200**

## LIST OF PROPOSED BUS BAY LOCATIONS

No	STATION	Q I	DE	DES I GN SPEED	DIME	NSION	REMAKS
NO	STATION	31	DE	(km/h)	L1	L2	KEMAKO
1	0+037	L	R	40	12	13	Ave. de Lac
2	0+847		R	40	20	25	Ave. de la Plage
3	0+851	L		60	20	25	ditto
4	1+630	L		60	20	25	ditto
5	1+652		R	60	20	25	ditto
6	2+437	L		60	20	25	Ave. de Lac
7	2+448		R	60	20	25	ditto
8	Y0+457	L		50	15	20	Bld. Yaranda
9	Y0+507		R	50	15	20	ditto
10	Y0+972		R	50	15	20	ditto
11	Y1+032	L		50	15	20	ditto

L'OFFICE DES ROUTES THE REPUBLIC OF BURUNDI THE BASIC DESIGN STUDY
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ROADS AND INFRASTRUCTURE FOR BUJUMBURA CITY
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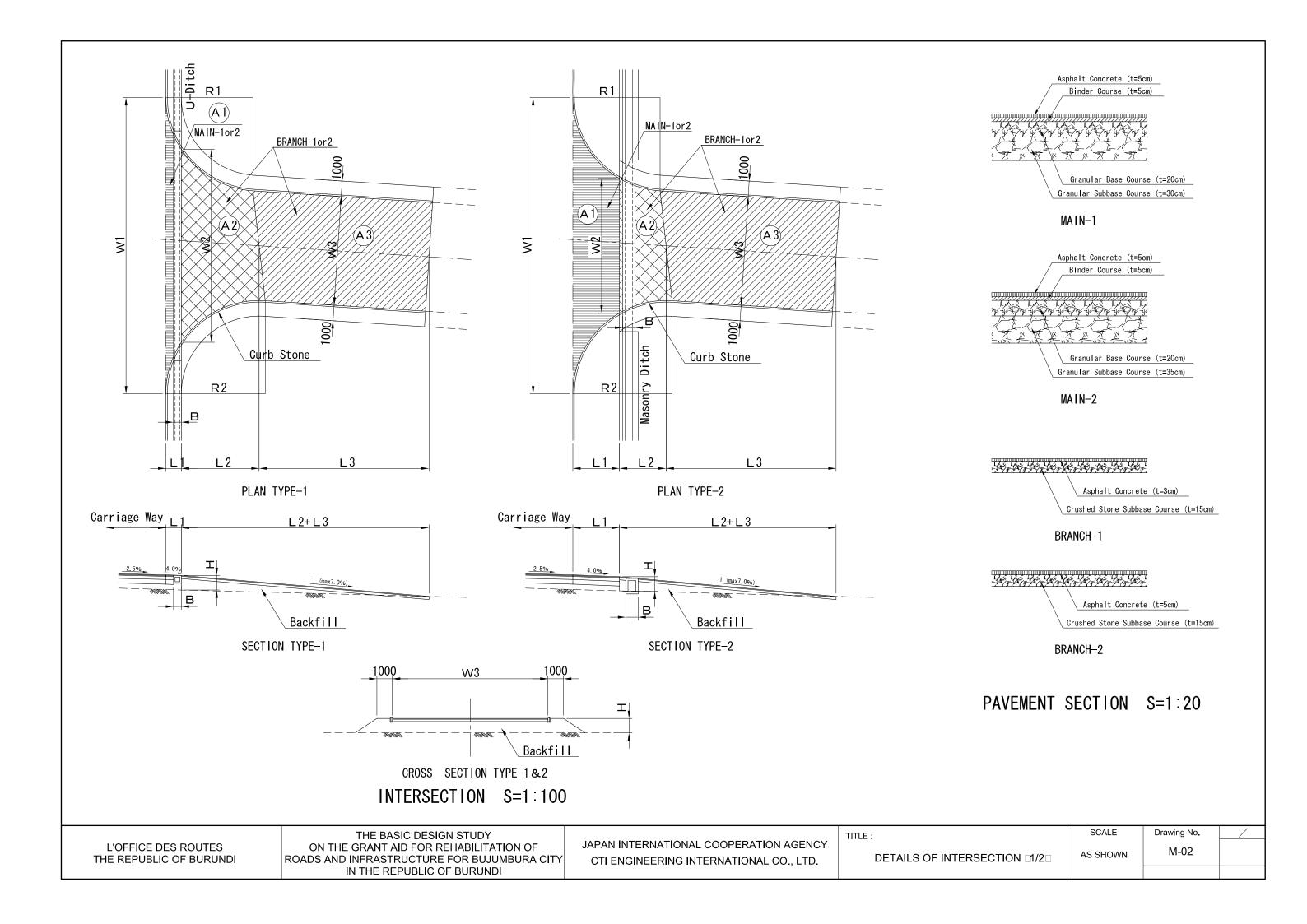
JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD.

TITLE :

DETAILS OF BUSBAY AND PARKING

 SCALE
 Drawing No.
 /

 S=1:200
 M-01

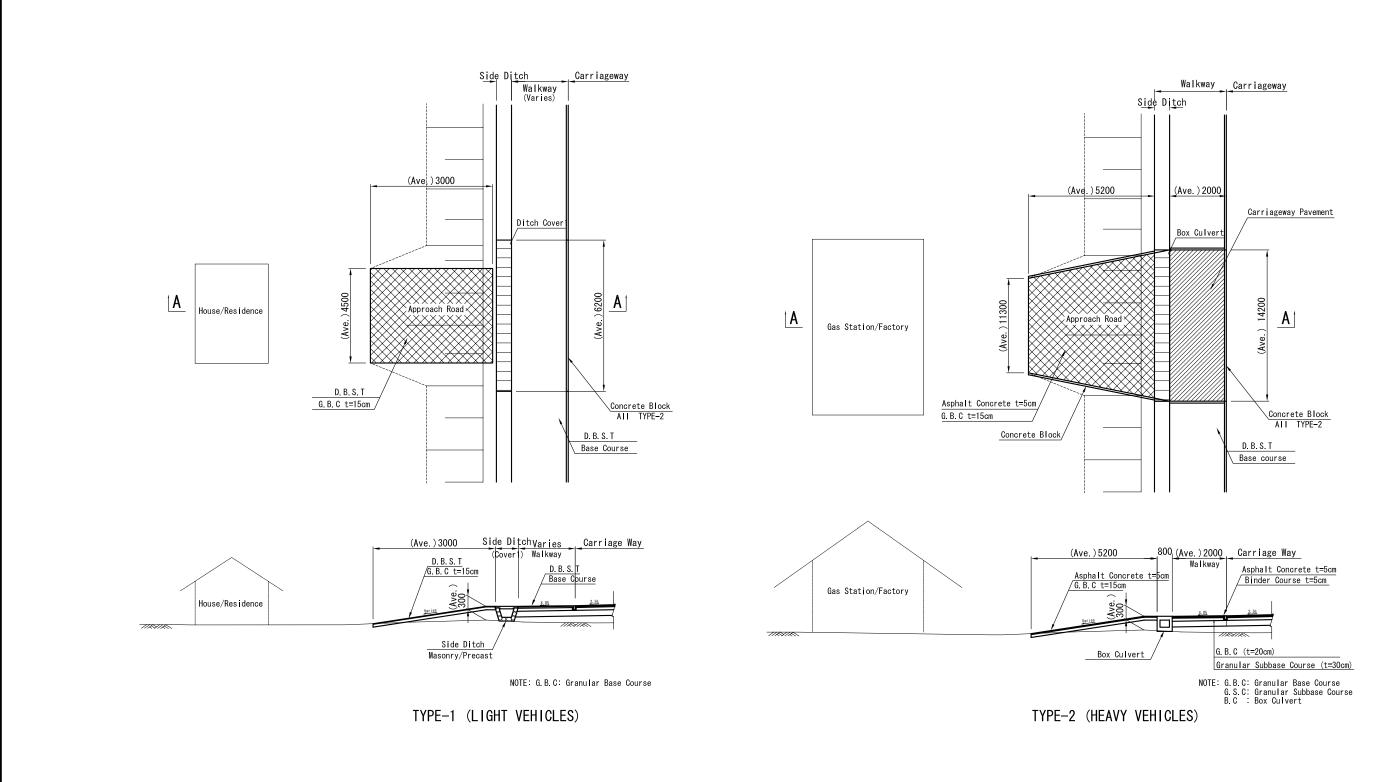


	SIDE			RAD	DIUS		WIDTH		VERTICAL		LENGTH		PAVI	EMENT	CULVERT	
STA			TYPE	(m)		(m)			INTERVAL		(m)		TYPE		(m)	REMARKS
	(L	/R)		R1	R2	WI	W2 W3		H(m)	L1	L2	L3	A1	A2 & A3	В	
0+000				Refe					to Intersecti	on 1 Dra	wing					
0+187	L		TYPE-1	6.0	9.0	44.2	36.8	9.5	0.87	1.0	22.0	4.7	MAIN-1	BRANCH-2	0.70	BC400 × 400
0+337	L		TYPE-1	3.0	3.0	13.6	9.1	7.6	0.42	1.0	2.0	3.0	MAIN-1	BRANCH-1	0.60	BC300 × 300
0.454	L		TYPE-1	15.0	13.0	37.8	27.4	9.5	0.87	1.0	14.4	16.0	MAIN-1	BRANCH-2	-	
0+454		R	TYPE-1	6.5	13.0	27.7	20.9	9.9	0.87	1.0	10.7	21.1	MAIN-1	BRANCH-2	-	
0+574	L		TYPE-1	11.0	20.0	38.0	27.2	7.0	0.71	1.0	18.8	8.3	MAIN-1	BRANCH-2	-	
0+794	L		TYPE-1	3.0	3.0	11.6	7.1	5.6	▲0.25	1.0	2.0	5.8	MAIN-1	BRANCH-1	0.60	BC300 × 300
0+804				Refer						on 2 Drav	wing					
0+927	L		TYPE-1	9.0	6.0	23.0	15.7	7.2	▲0.24	1.0	10.4	-	MAIN-1	BRANCH-1	0.60	BC300 × 300
1+183	L		TYPE-1	9.0	6.0	28.2	20.0	12.0	▲0.24	1.0	9.2	-	MAIN-1	BRANCH-1	-	
1+381	L		TYPE-1	6.0	3.0	19.2	13.6	10.5	0.15	1.0	3.2	-	MAIN-1	BRANCH-2	-	
1+732		R	TYPE-1	25.0	-	37.1	17.8	10.4	0.13	1.0	2.3	14.6	MAIN-1	BRANCH-1		
1+859	L		TYPE-1	3.0	3.0	12.8	8.3	6.8	0.15	1.0	2.0	3.0	MAIN-1	BRANCH-1	0.60	BC300 × 300
1+933	L		TYPE-1	3.0	3.0	12.6	8.1	6.6	0.61	1.0	2.0	7.2	MAIN-1	BRANCH-1	0.60	BC300 × 300
2+000								Refer	to Intersecti	on 3 Dra	wing					
2+245	L		TYPE-2	6.0	9.0	20.9	9.0	6.0	▲0.28	3.0	4.0	9.6	MAIN-1	BRANCH-2	-	
2+359	L		TYPE-2	6.0	6.0	18.0	8.3	5.7	▲0.14	3.0	3.5	3.4	MAIN-1	BRANCH-2	-	
	L		TYPE-2	6.0	6.0	18.2	7.7	5.9	0.16	3.0	4.2	-	MAIN-1	BRANCH-2	-	
2+428		R	TYPE-2	6.0	6.0	17.5	7.2	5.0	▲0.04	3.0	5.2	-	MAIN-1	BRANCH-1	-	
2+545								Refer	to Intersection	n Y1 Dra	wing					
2+659	L		TYPE-2	6.0	6.0	20.7	10.4	8.4	▲0.53	3.0	2.8	12.1	MAIN-1	BRANCH-2	-	
2+827	L		TYPE-2	6.0	6.0	20.0	9.6	8.0	0.24	3.0	2.8	2.4	MAIN-1	BRANCH-2	0.80	BC500 × 500
2+896	L		TYPE-2	6.0	3.0	15.3	7.7	6.5	0.31	3.0	3.7	-	MAIN-1	BRANCH-2	-	
2+960		R	TYPE-2	9.0	9.0	31.7	17.9	13.4	▲0.07	3.0	6.0	-	MAIN-1	BRANCH-1	-	
2+980	L		TYPE-2	5.3	4.8	16.0	8.9	6.0	▲0.15	1.5	3.7	-	MAIN-1	BRANCH-2	_	

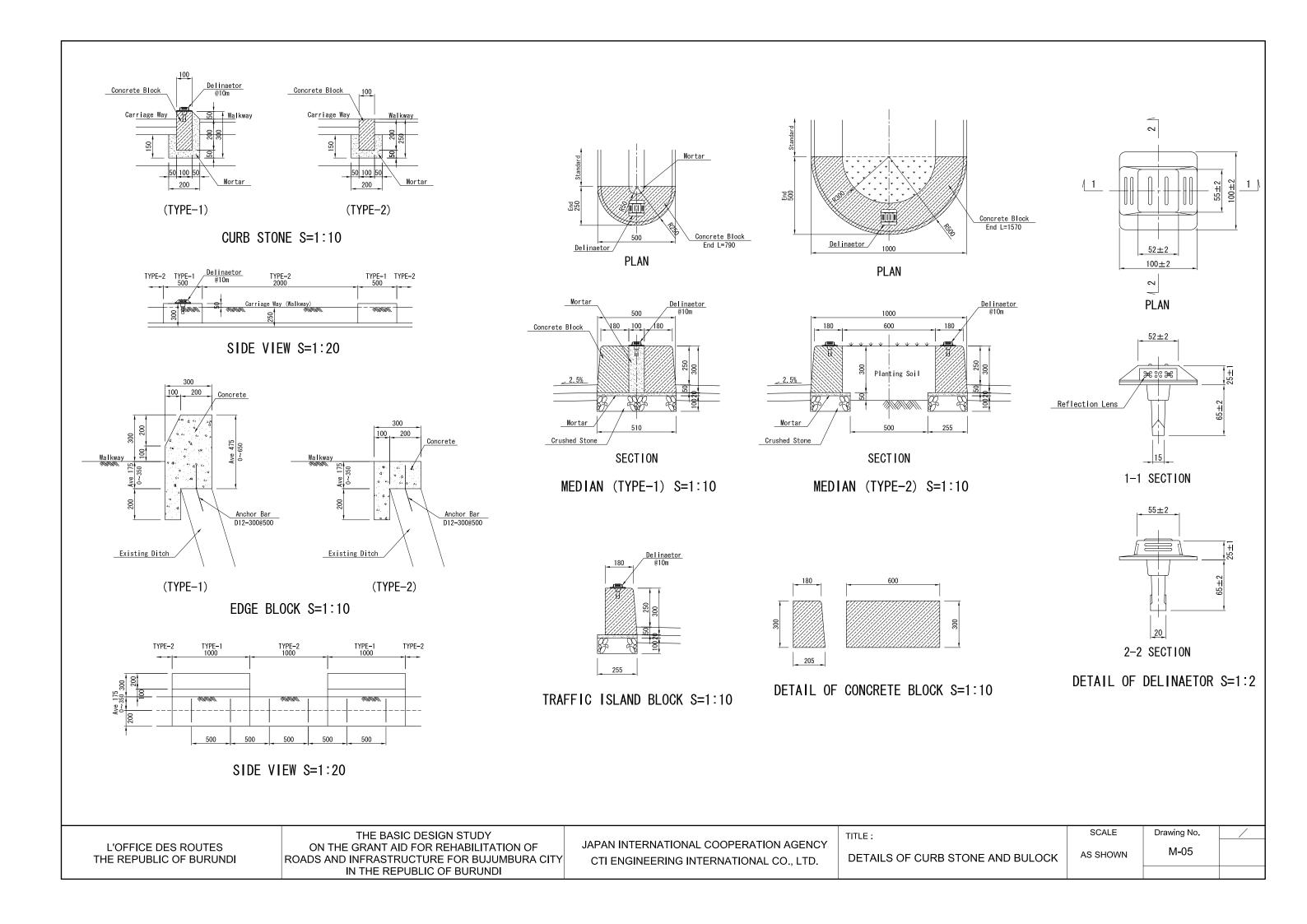
				RAD	DIUS		WIDTH		VERTICAL		LENGTH		PAVI	EMENT	CULVERT		
STA	SIDE		TYPE	(m)		(m)			INTERVAL		(m)		Т	YPE	(m) B	REMARKS	
	(L	/R)		R1	R2	W1 W2 W3		H(m)	L1 L2 L3		L3	A1 A2 & A3					
Y0+000								Refer	to Intersectio	n Y1 Dra	wing						
Y0+058		R	TYPE-2	3.0	3.0	10.5	5.3	4.5	0.53	1.5	1.7	7.3	MAIN-1	BRANCH-1	0.80	BC500 × 500	
Y0+139	L		TYPE-2	6.0	6.0	19.3	10.3	7.3	0.17	3.0	3.1	7.0	MAIN-1	BRANCH-2	-		
10+139		R	TYPE-2	6.0	6.0	19.6	10.6	7.7	0.03	3.0	3.0	-	MAIN-1	BRANCH-2	-		
Y0+395	L		TYPE-2	6.0	6.0	19.0	8.6	7.0	0.10	3.0	3.0	8.1	MAIN-1	BRANCH-2	-		
10+395		R	TYPE-2	6.0	6.0	19.0	8.6	7.0	0.31	3.0	3.0	4.0	MAIN-1	BRANCH-2	-		
VO - F00	L		TYPE-2	6.0	6.0	20.7	10.4	8.7	0.18	3.0	3.0	3.0	MAIN-1	BRANCH-2	-		
Y0+563		R	TYPE-2	6.0	6.0	19.3	8.9	7.2	0.01	3.0	3.0	5.7	MAIN-1	BRANCH-2	-		
	L		TYPE-2	6.0	6.0	21.7	10.9	8.9	0.19	3.0	3.0	12.8	MAIN-1	BRANCH-1			
Y0+714		R	TYPE-2	6.0	6.0	18.5	7.6	6.9	0.06	3.0	3.0	12.0	MAIN-1	BRANCH-1	_		
	L																
Y0+824		R	Refer to Intersection Y2 (NR3) Drawing														
	L		TYPE-2	9.0	6.0	22.0	10.9	7.2	▲0.10	2.0	5.4	_	MAIN-2	BRANCH-1	0.80	BC500 × 500	
Y1+076		R	TYPE-2	6.0	6.0	19.7	11.3	7.8	0.00	2.0	3.5	-	MAIN-2	BRANCH-1	0.80	BC500 × 500	
	L		TYPE-2	3.0	6.0	15.2	7.7	5.8	▲0.67	2.0	4.5	5.0	MAIN-2	BRANCH-1	0.80	BC500 × 500	
Y1+139		R	TYPE-2	9.0	6.0	21.8	12.0	7.3	0.03	2.0	6.5	-	MAIN-2	BRANCH-1	0.80	BC500 × 500	
Y1+392								Refer	to Intersectio	n Y3 Dra	wing						
																_	
									+ +								

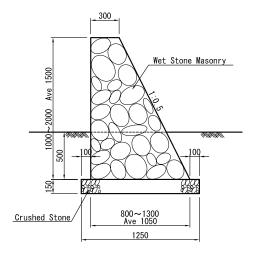
DETAILS OF INTERSECTION 2/2

SCALE

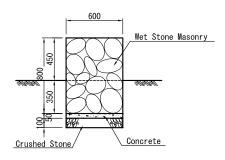


HOUSE ACCESS S=1:100

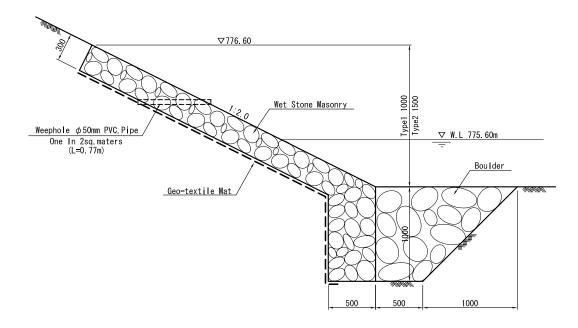




GRAVITY WALL (MASONRY) S=1:20



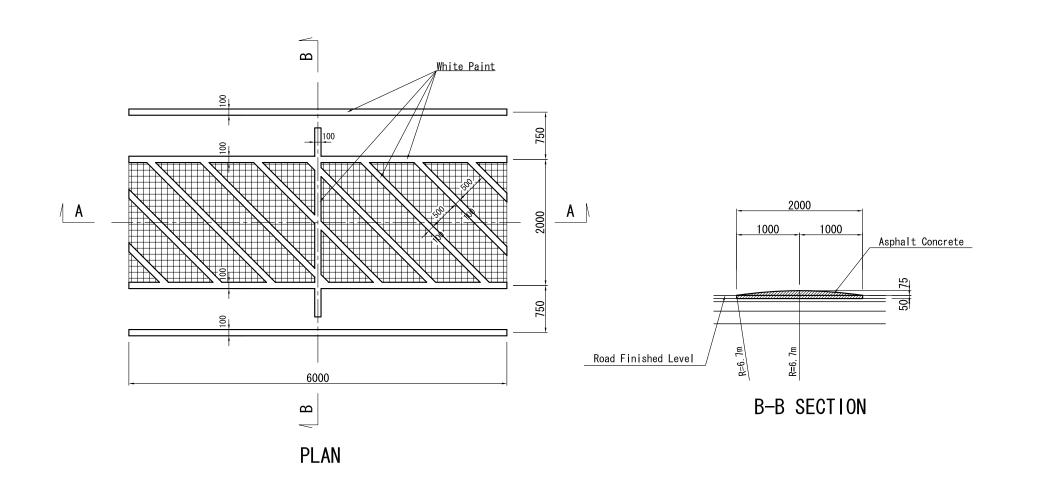
MASONRY WALL S=1:20

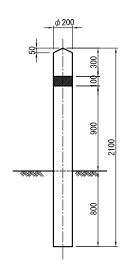


RIPRAP REVETMENT S=1:20

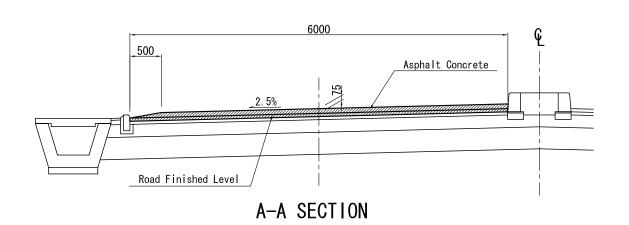
L'OFFICE DES ROUTES
THE REPUBLIC OF BURUNDI

SLOPE PROTECTION





GUARD POST S=1:20



LIST OF HUMP

STATION	NUMBER	REMARKS
2+000	2	INTERSECTION 3
Y0+824	4	NR3 CROSSING
TOTAL	6	

DETAILS OF HUMP S=1:30

L'OFFICE DES ROUTES THE REPUBLIC OF BURUNDI

THE BASIC DESIGN STUDY ON THE GRANT AID FOR REHABILITATION OF ROADS AND INFRASTRUCTURE FOR BUJUMBURA CITY IN THE REPUBLIC OF BURUNDI

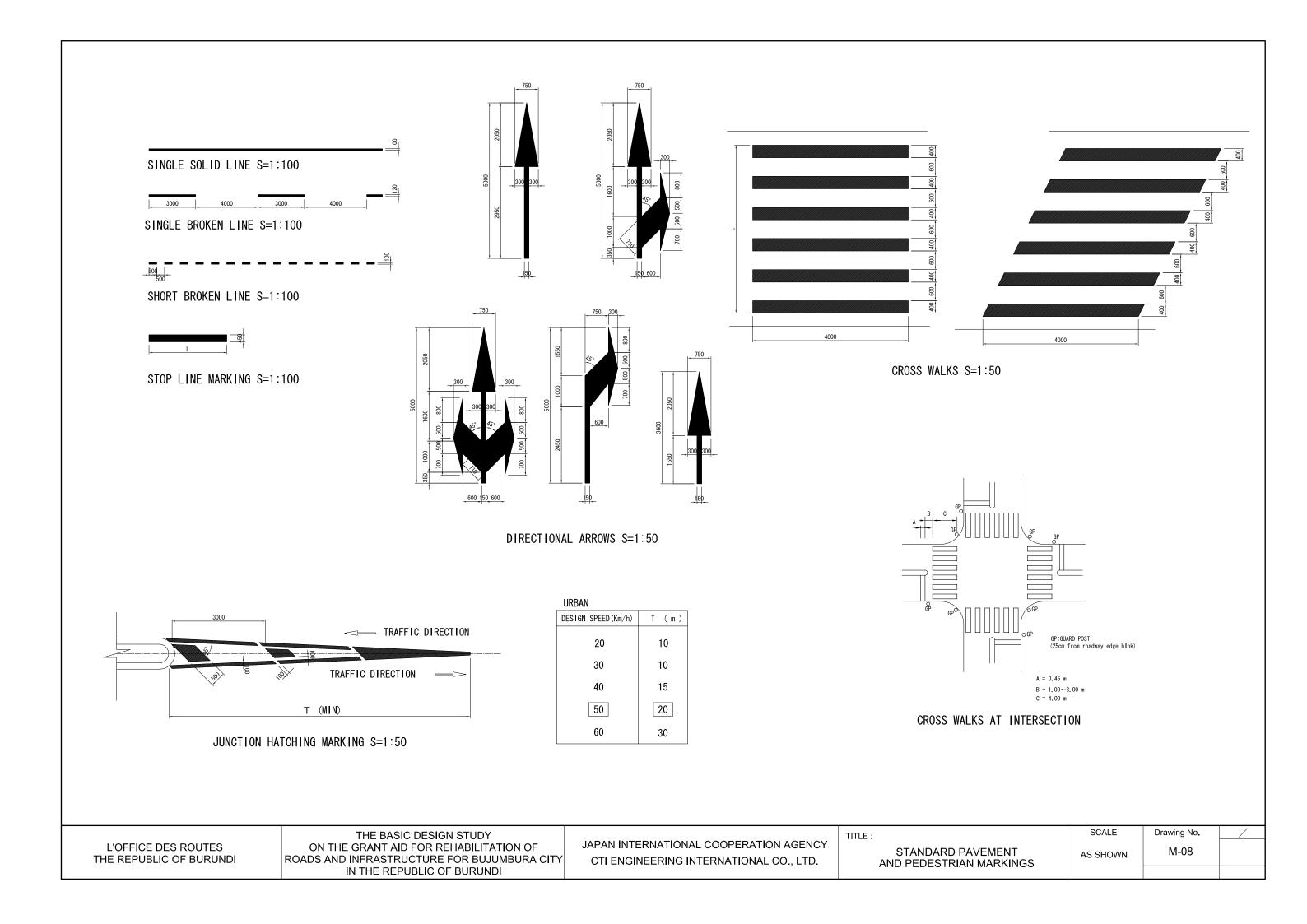
JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD.

TITLE:

DETAILS OF HUMP

AS SHOWN

SCALE Drawing No. M-07





RT-1 RIGHT BEND



RT-2 LEFT BEND

RT-3 TRAFFIC ROTARY



PRIORITY ROAD SIDE ROAD , LEFT



SIDE ROAD , RIGHT



RT-8 PEDESTRIAN CROSSING CHILDREN CROSSING



WIDTH REDUCTION



RT-10 GIVE WAY







RE-2 RE-3 RE-4 RE-5
SPEED LIMIT 30 km/h SPEED LIMIT 40 km/h SPEED LIMIT 50 km/h SPEED LIMIT 60 km/h







RE-7 NO INT



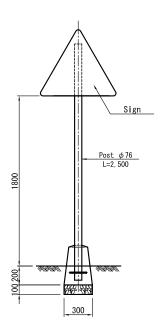
IT-1 ONE WAY TRAFFIC



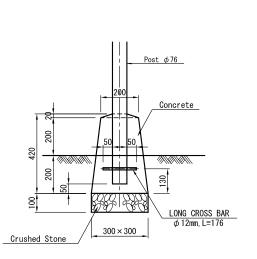
IT-2 GENERAL PARKING



BUS STOP



SIGN POST S=1:20



BASE S=1:10

THE BASIC DESIGN STUDY L'OFFICE DES ROUTES ON THE GRANT AID FOR REHABILITATION OF THE REPUBLIC OF BURUNDI ROADS AND INFRASTRUCTURE FOR BUJUMBURA CITY IN THE REPUBLIC OF BURUNDI

JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD.

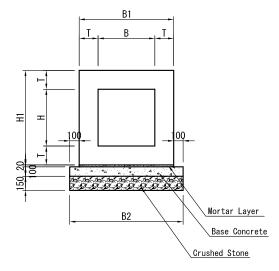
TITLE:

ROAD SIGNS

AS SHOWN

SCALE

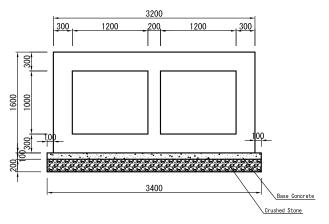
Drawing No. M-09



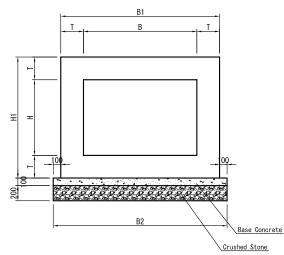
GENERAL DRAWING OF BOX CULVERT (Type1∼7) S=1:20

### DIMENSION TABLE

Туре	B × H	B1	B2	H1	Т	b1	b2	b3	n1	h1	h2	h3	n2	t
1	300 × 300	600	800	600	150	75	150	-	-	75	150	-	-	75
2	400 × 400	700	900	700	150	75	200	-	-	75	200	1	-	75
3	500 × 500	800	1000	800	150	75	250	-	-	75	250	-	-	75
4	700 × 600	1100	1300	1000	200	100	225	250	1	100	175	250	1	100
5	800 × 700	1200	1400	1100	200	100	150	500	2	100	225	250	1	100
6	900 × 700	1300	1500	1100	200	100	200	500	2	100	225	250	1	100
7	900 × 900	1300	1500	1300	200	100	200	500	2	100	200	500	2	100



GENERAL DRAWING OF BOX CULVERT (Type13) S=1:30

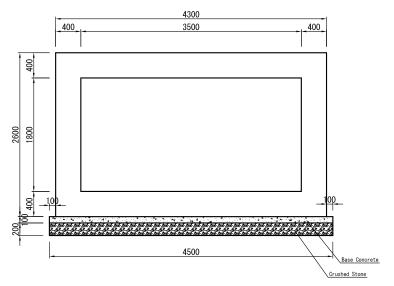


GENERAL DRAWING OF BOX CULVERT (Type8~12) S=1:25

### DIMENSION TABLE

Туре	B × H	B1	B2	H1	T	b1	b2	b3	n1	h1	h2	h3	n2	t
8	1000 × 600	1500	1700	1100	250	130	185	750	3	130	110	500	2	60
9	1000 × 1000	1500	1700	1500	250	130	185	750	3	130	185	750	3	60
10	1400 × 700	2000	2200	1300	300	140	155	1250	5	140	180	500	2	80
11	1500 × 1000	2100	2300	1600	300	140	205	1250	5	140	205	750	3	80
12	1500/2600 × 1000	2650	2850	1600	300	140	230	1750	7	140	205	750	3	80

※ No. 12 (1500/2600 × 1000) IS REPRESENTED BY ITS AVERAGE DIMENSIONS



GENERAL DRAWING OF BOX CULVERT (Type14) S=1:30

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JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD.

TITLE: BOX CULVERT

SCALE Drawing No. /
AS SHOWN M-10