

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

MINISTRY OF ROADS AND PUBLIC WORKS
MINISTRY OF LOCAL GOVERNMENT
THE REPUBLIC OF KENYA

**THE STUDY ON MASTER PLAN
FOR URBAN TRANSPORT IN
THE NAIROBI METROPOLITAN AREA
IN
THE REPUBLIC OF KENYA**

VOLUME III PRELIMINARY DESIGN DRAWINGS

MARCH 2006

**KATAHIRA & ENGINEERS INTERNATIONAL
RECS INTERNATIONAL INC.**

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ML7

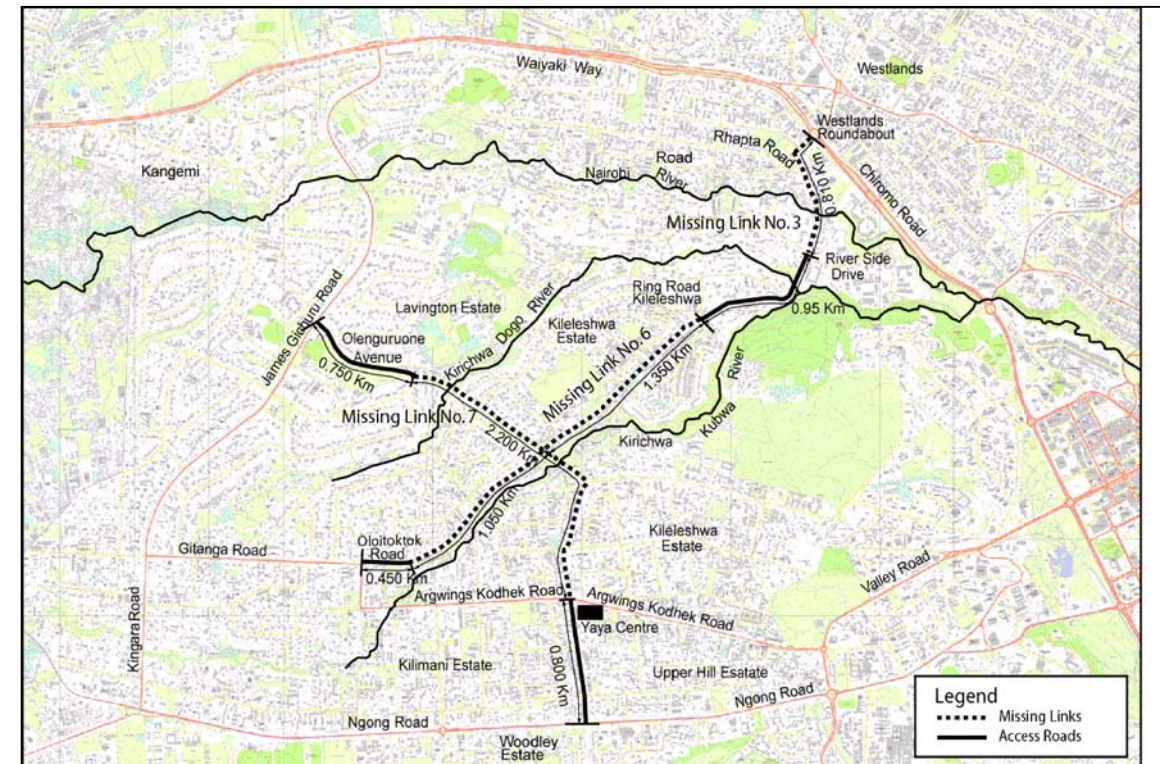
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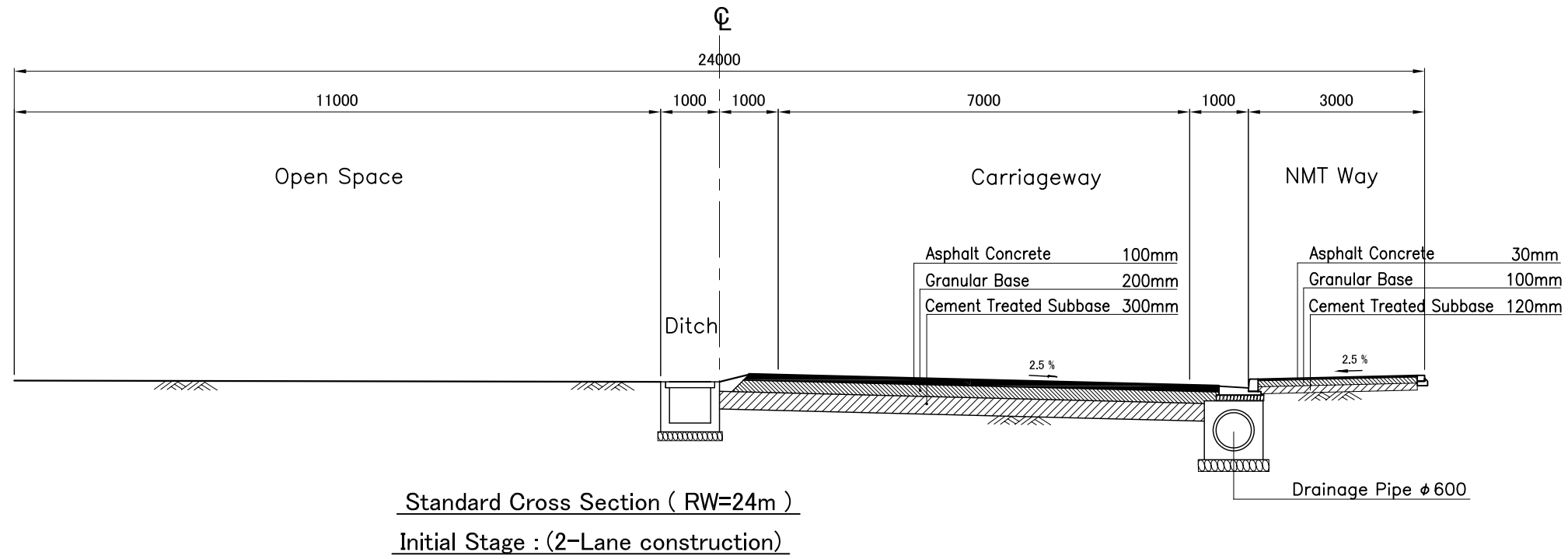
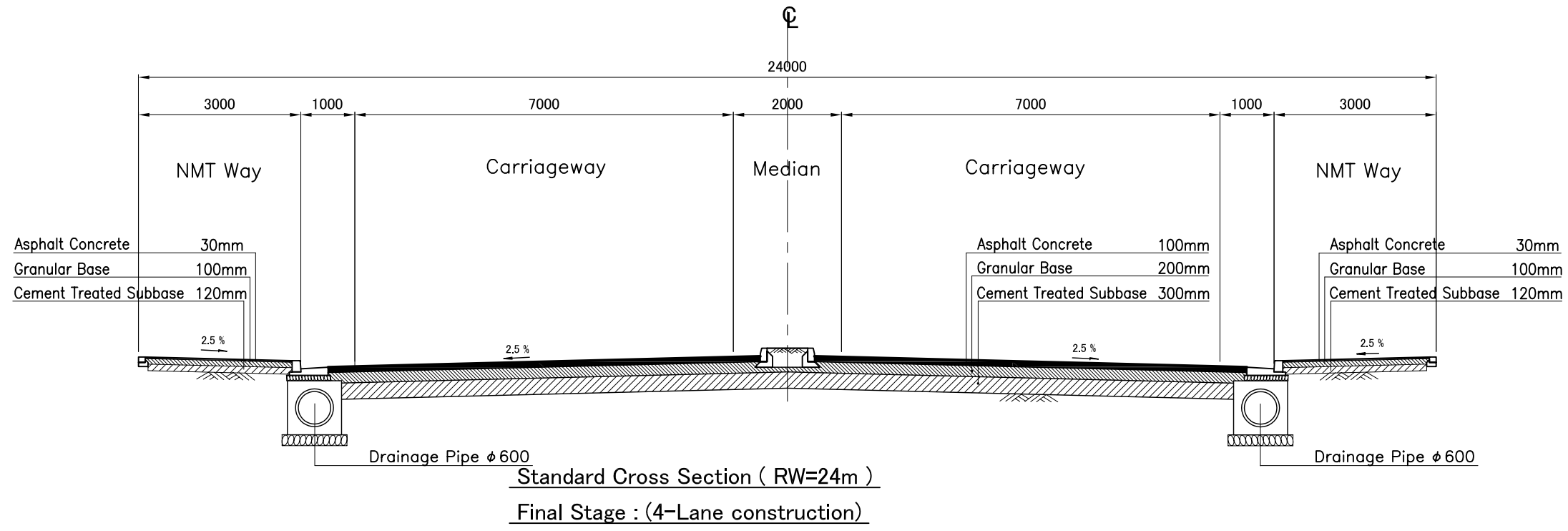
ML3

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Cross Section	ML3-3&4
Nairobi River Bridge General Plan	ML3-5
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Junction with Ring Road Westland	ML3-7

ML6

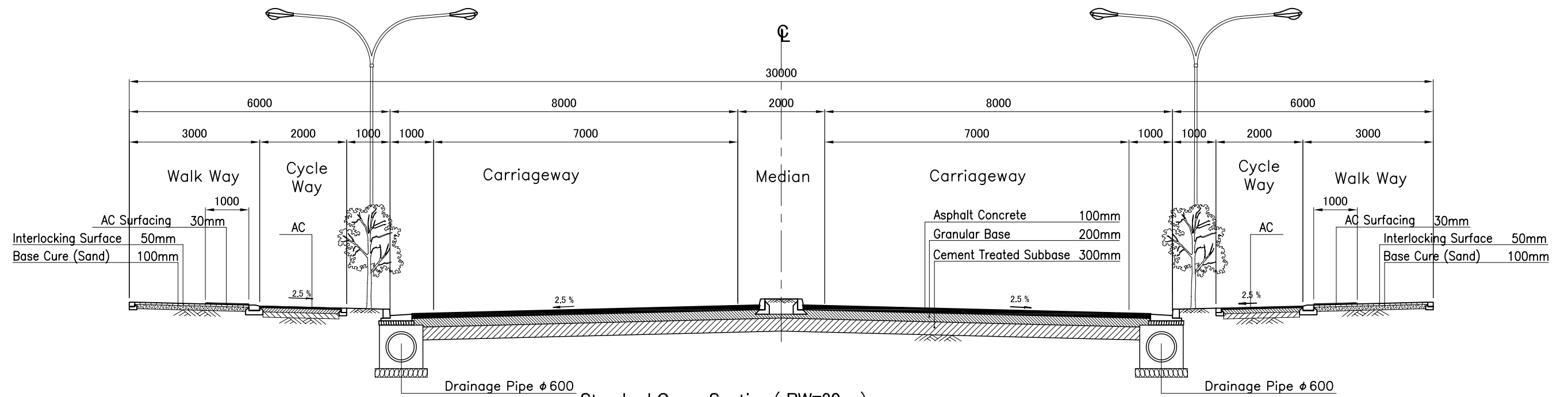
Plan & Profile	ML6-1 □ 3
Cross Section	ML6-4 □ 7



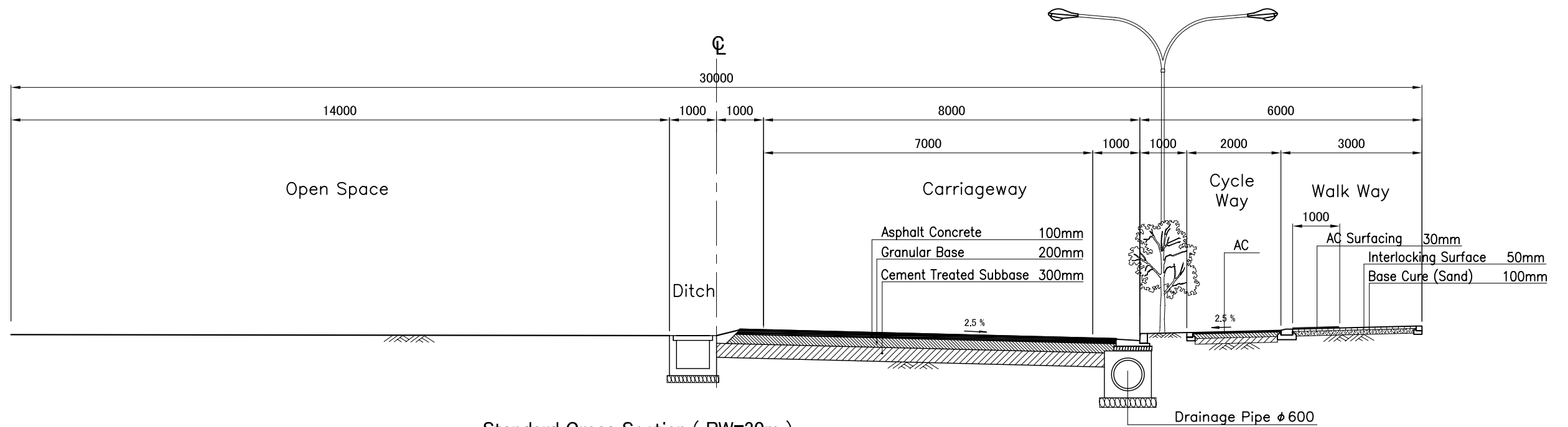


Note : Detailed Pavement Structure will be reviewed by actual value of CBR
 NMT (Non-MotORIZED traffic) includes Pedestrian and Cyclist.

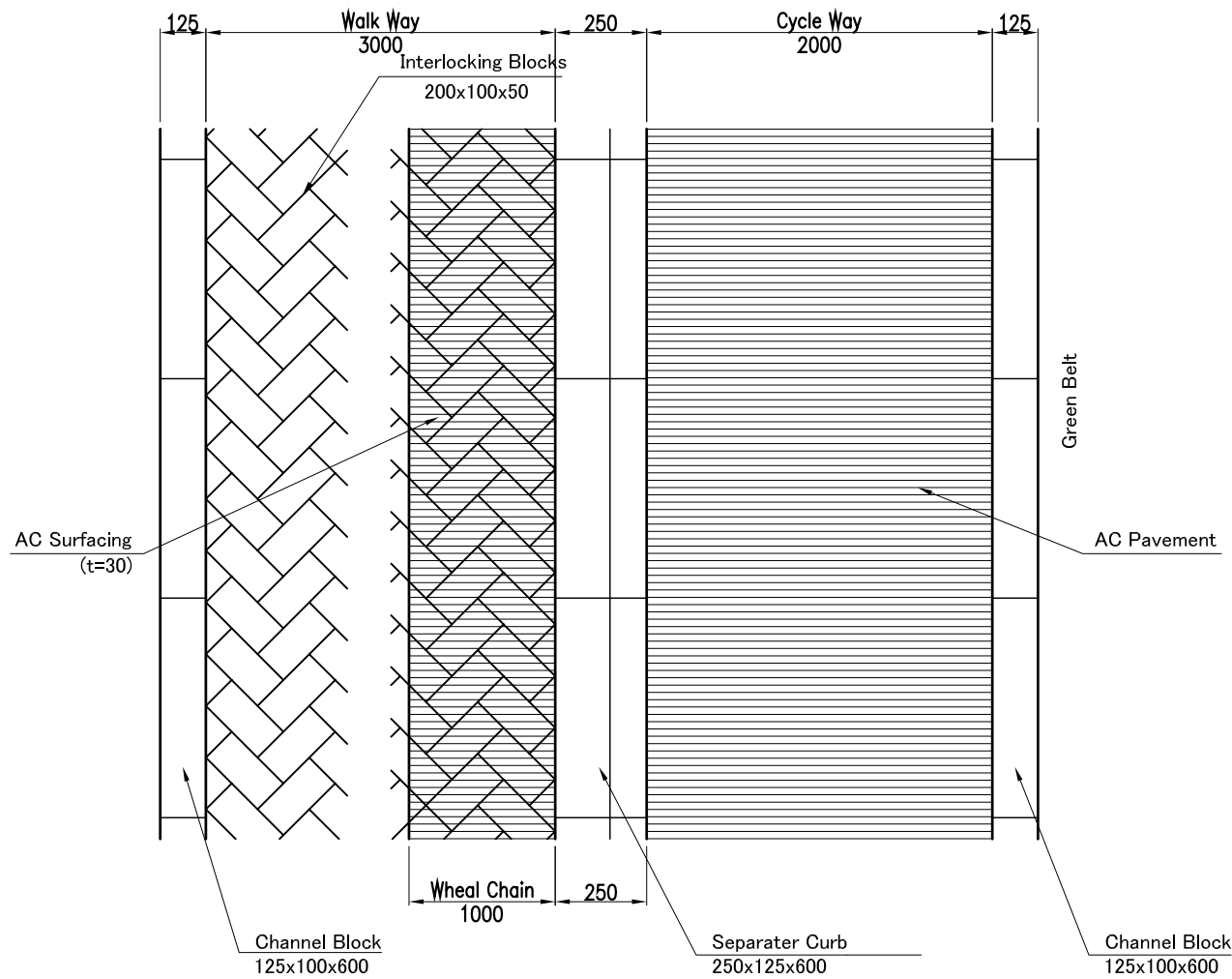
MINISTRY OF ROADS AND PUBLIC WORKS MINISTRY OF LOCAL GOVERNMENT CITY COUNCIL OF NAIROBI THE REPUBLIC OF KENYA	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL RECS INTERNATIONAL INC.	THE STUDY ON MASTER PLAN FOR URBAN TRANSPORT IN THE NAIROBI METROPOLITAN AREA	Standard Cross Section for 24m Width Road	Drawing No.	G - 1
				SCALE	1 : 100
				DATE	Jul. 2005



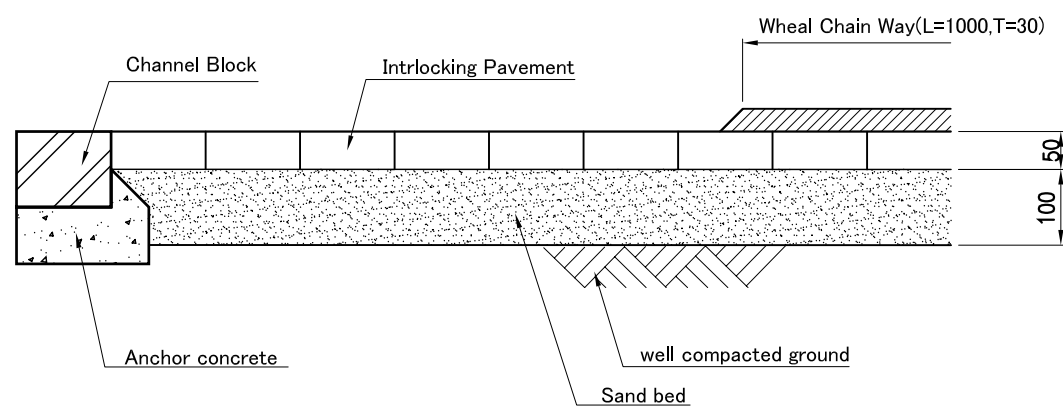
Standard Cross Section (RW=30m)
Final Stage : (4-Lane construction)



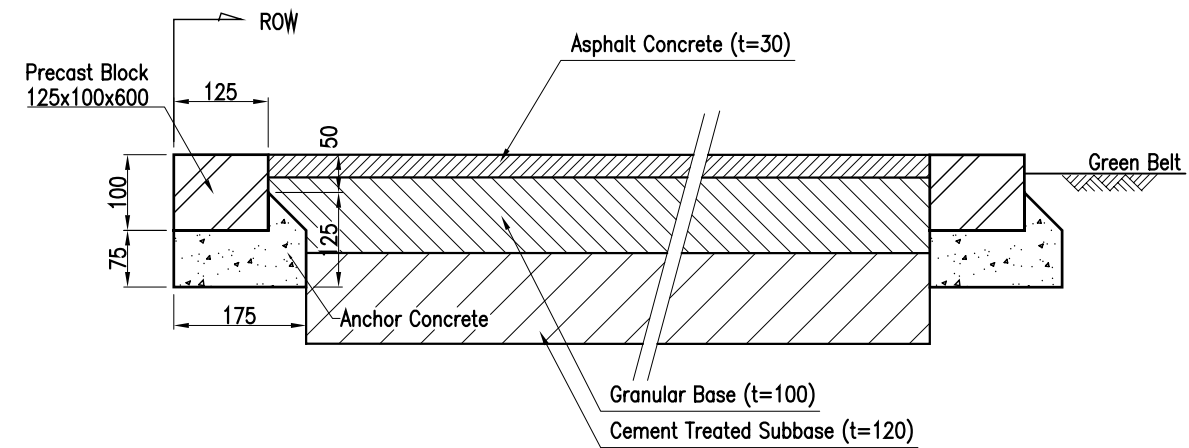
Standard Cross Section (RW=30m)
Initial Stage : (2-Lane construction)



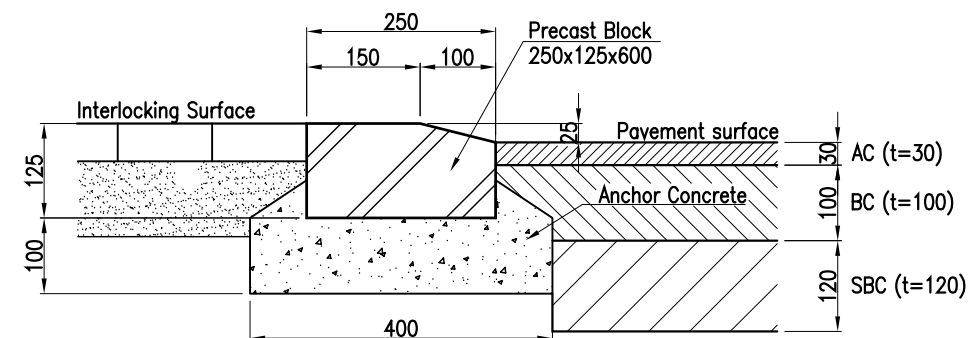
Walk Way & Cycle Way Pavement no scale



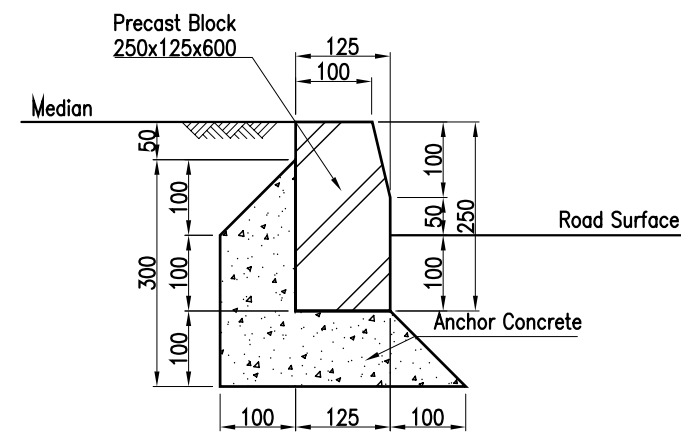
Walk Way Pavement Section no scale



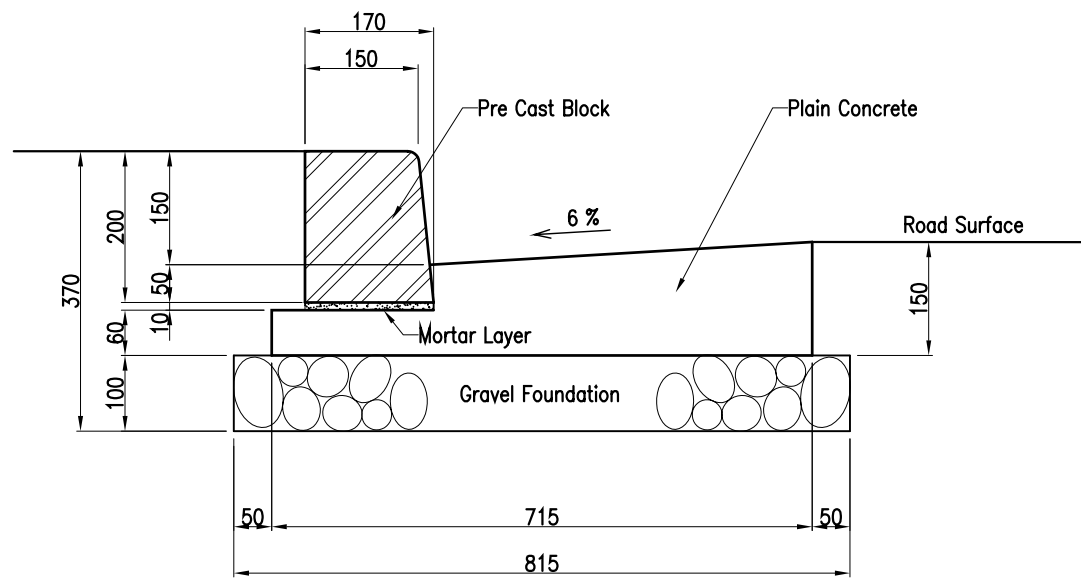
Detail of Channel Block S=1/10



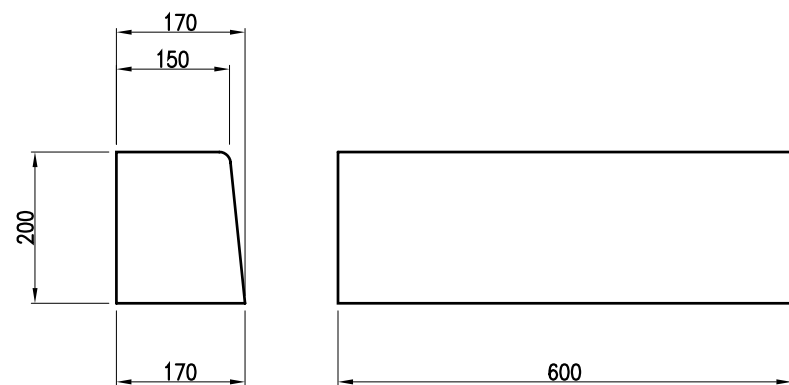
Detail of Separator Curb S=1/10



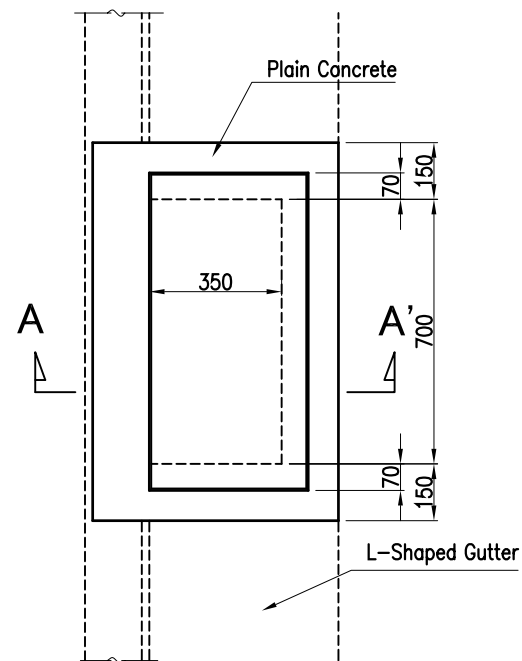
Detail of Median Curb S=1/10



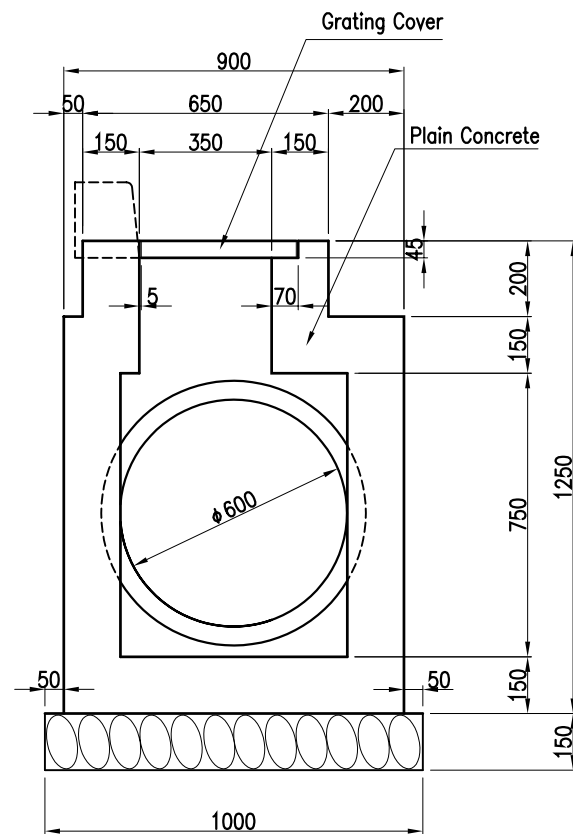
L-Shaped Gutter S=1/10



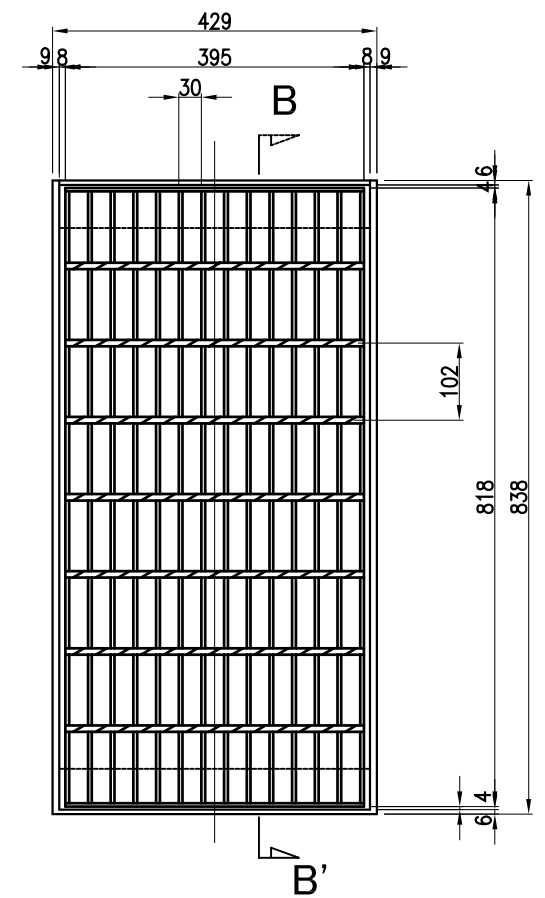
Pre Cast Block S=1/10



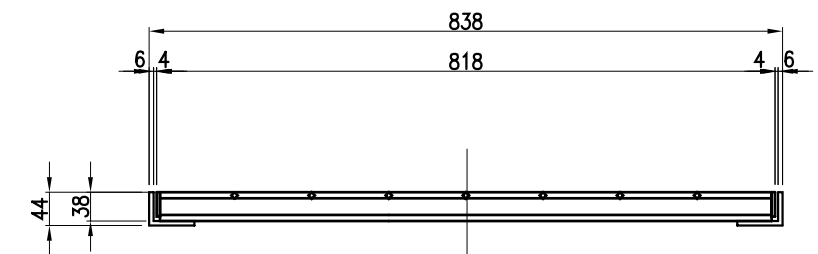
Catch Basin S=1/20



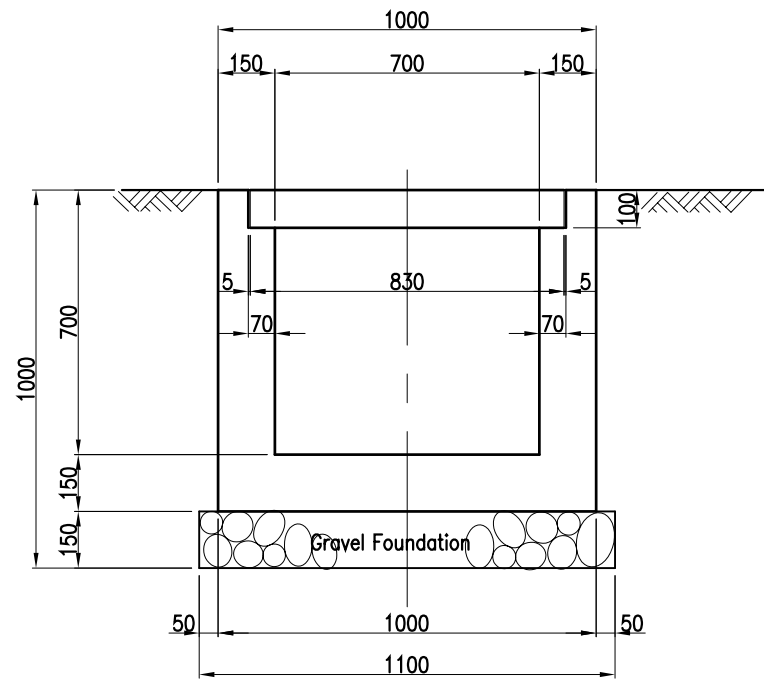
A-A' Section S=1/20



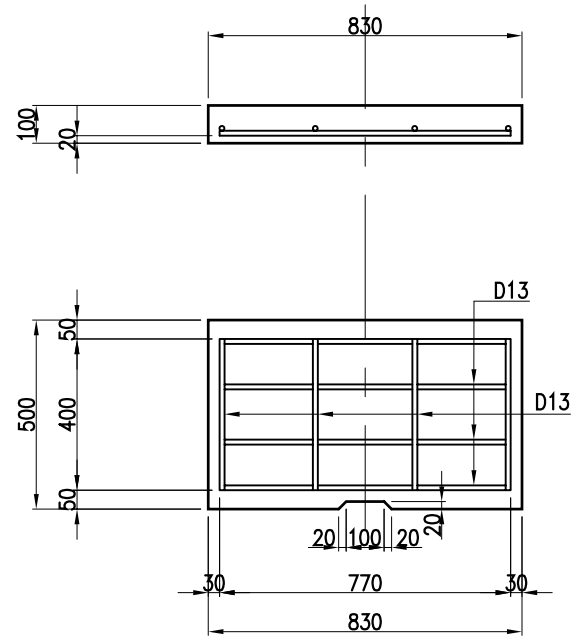
Grating Cover S=1/10



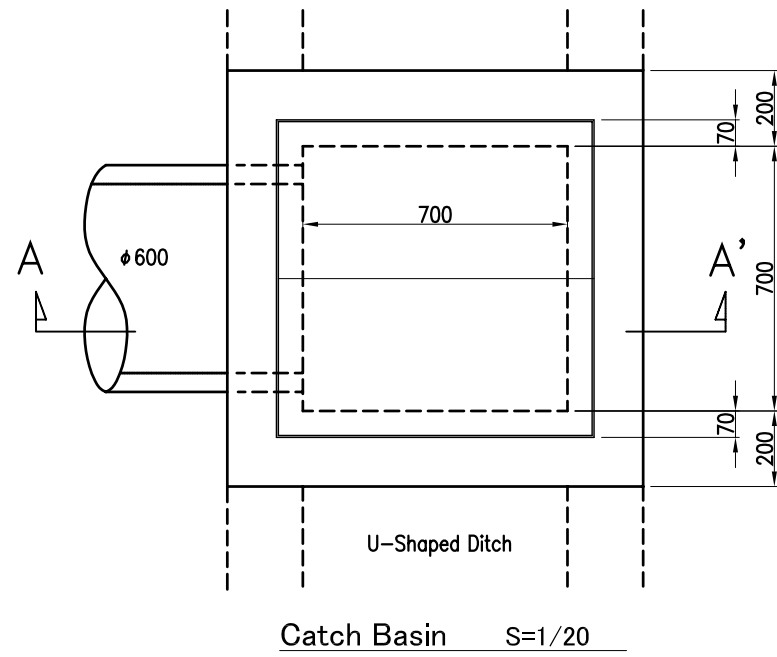
B-B' Section S=1/10



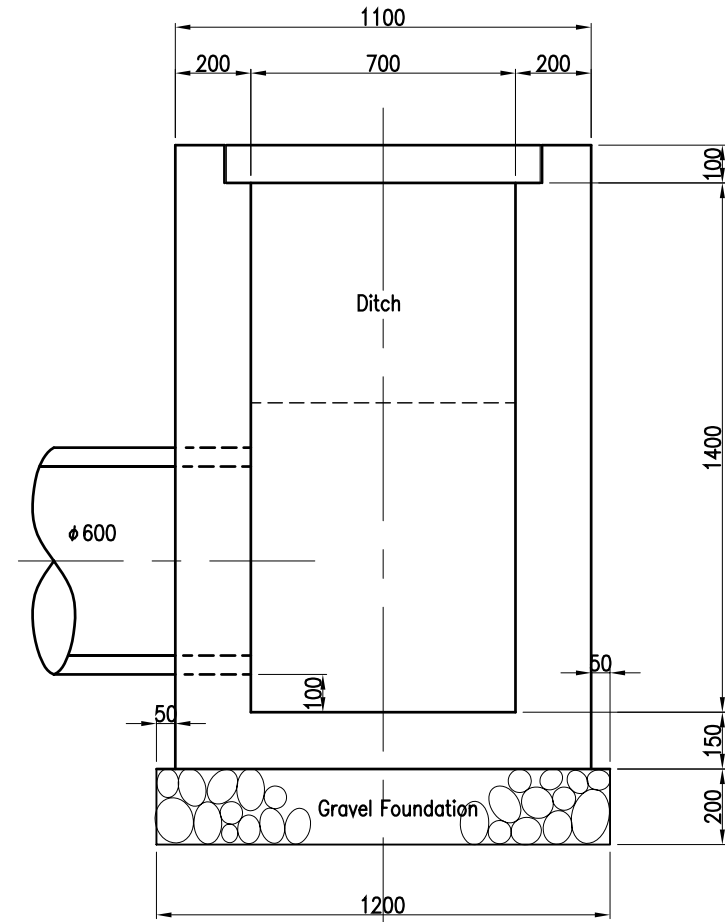
U-Shaped Ditch S=1/20



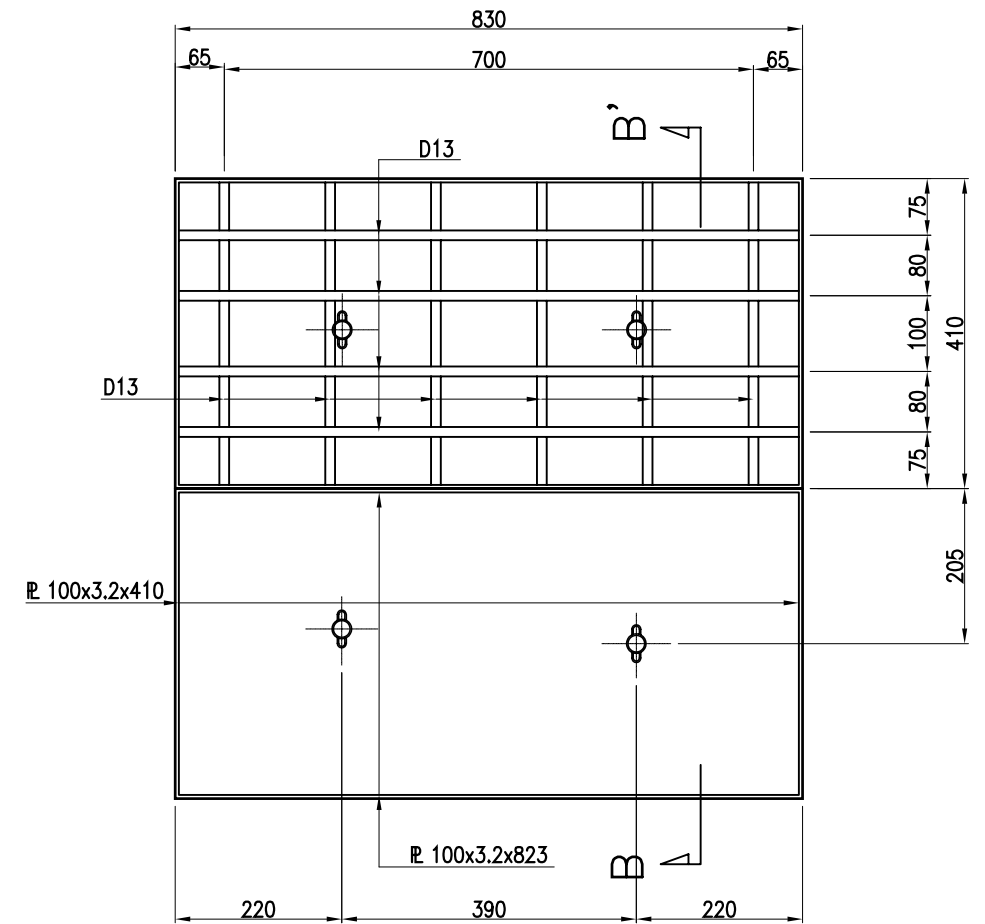
Ditch Cover S=1/20



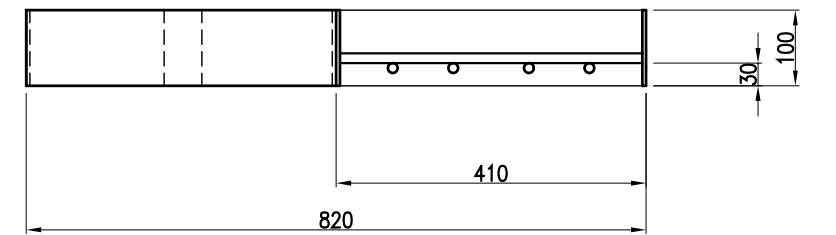
Catch Basin S=1/20



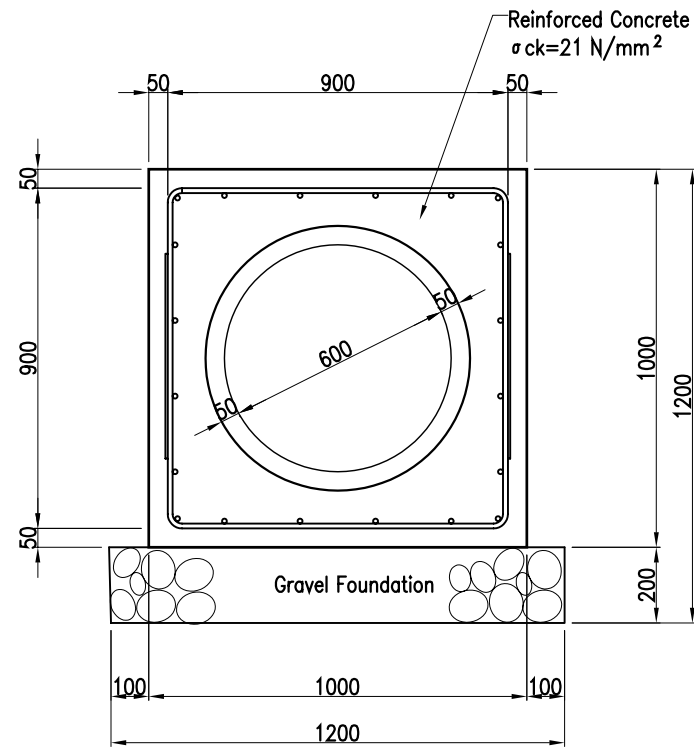
A-A' Section S=1/20



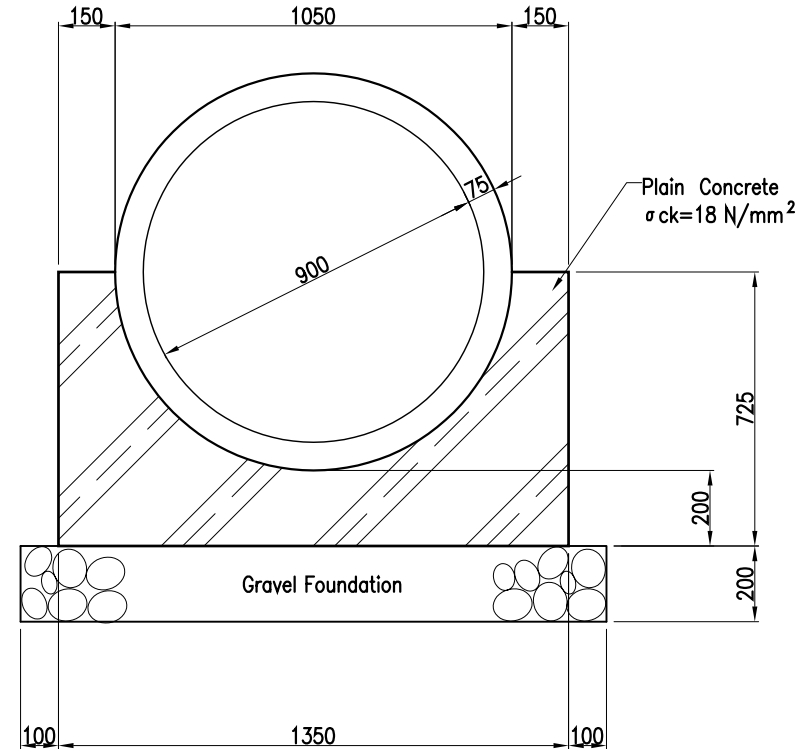
Basin Cover S=1/10



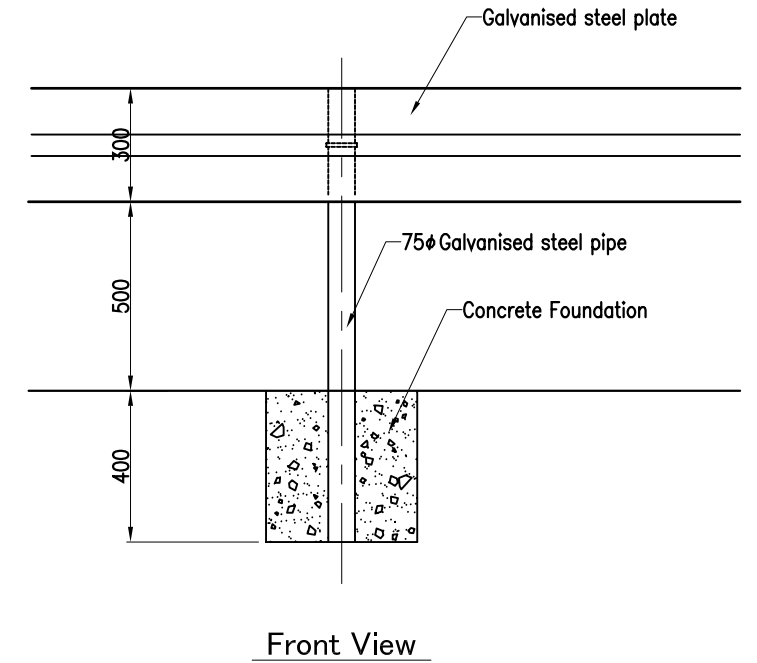
B-B' Section S=1/10



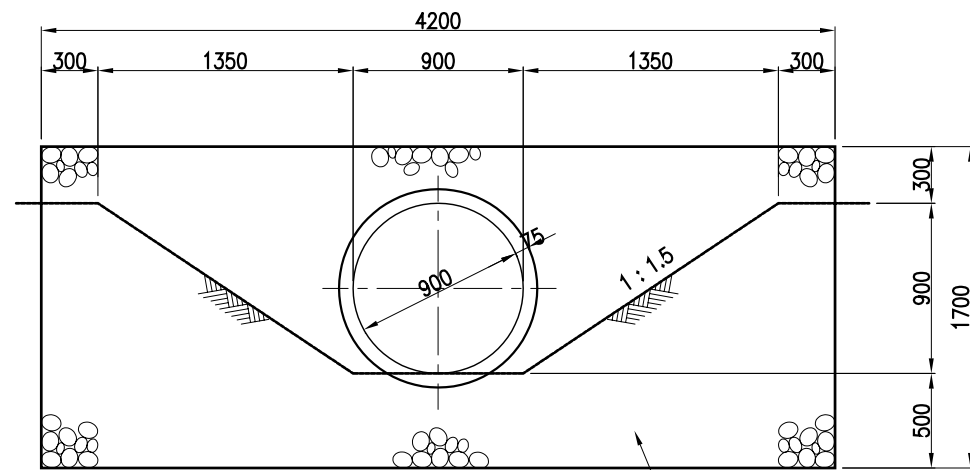
Drainage Pipe & Protection S=1/20



Pipe Culvert & Foundation S=1/20

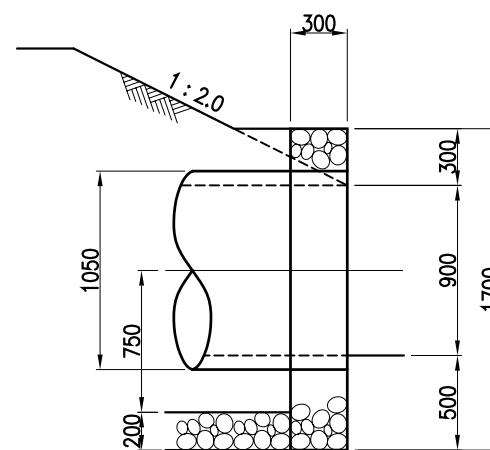


Front View

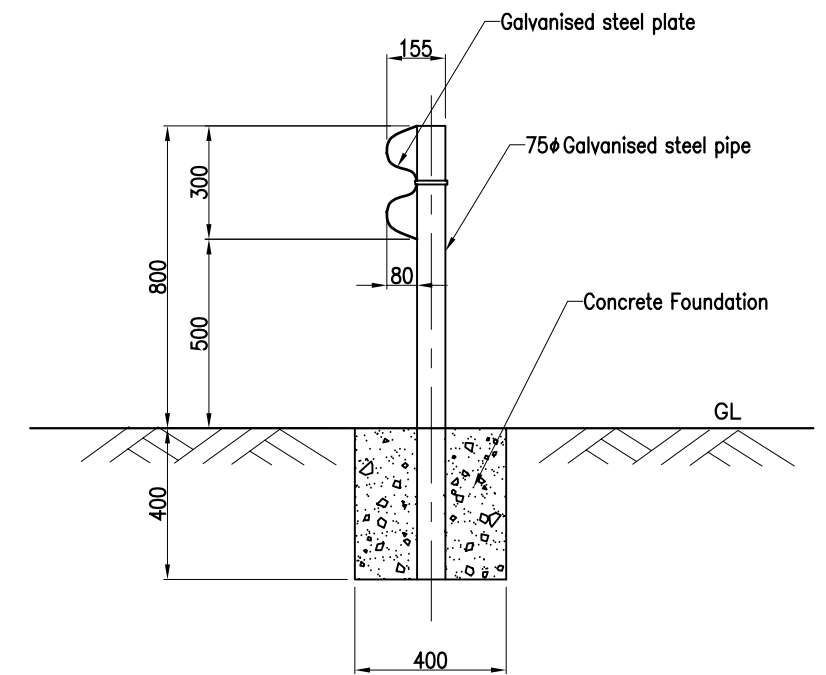


Front View

Head Wall of Pipe Culvert S=1/40

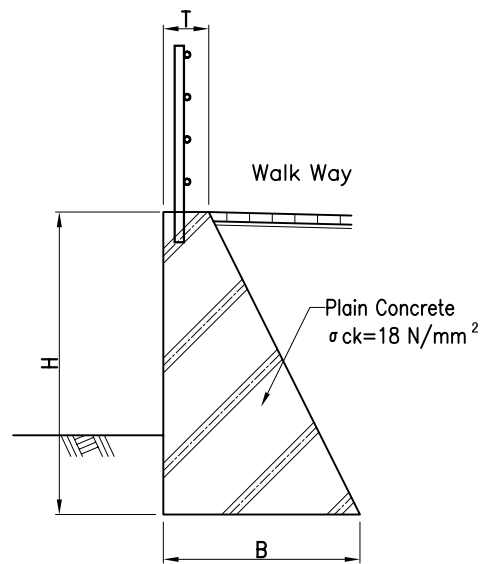


Side View



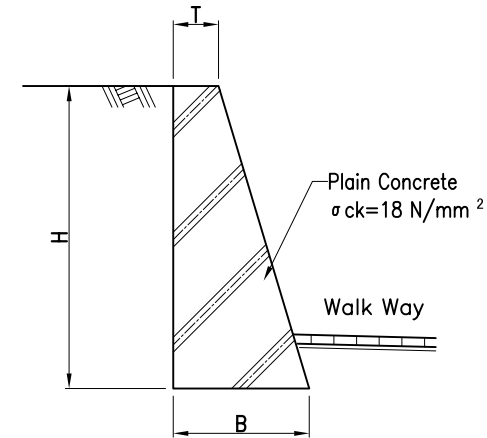
Side View

Guard Rail S=1/20



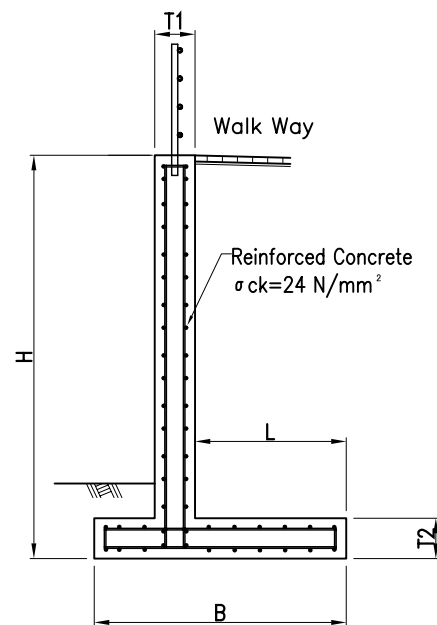
Unit:mm		
H	B	T
500	300	150
1,000	650	200
1,500	950	300
2,000	1,300	300
3,000	2,000	400

Retaining Wall-A no scale
(Gravity Retaining Wall)



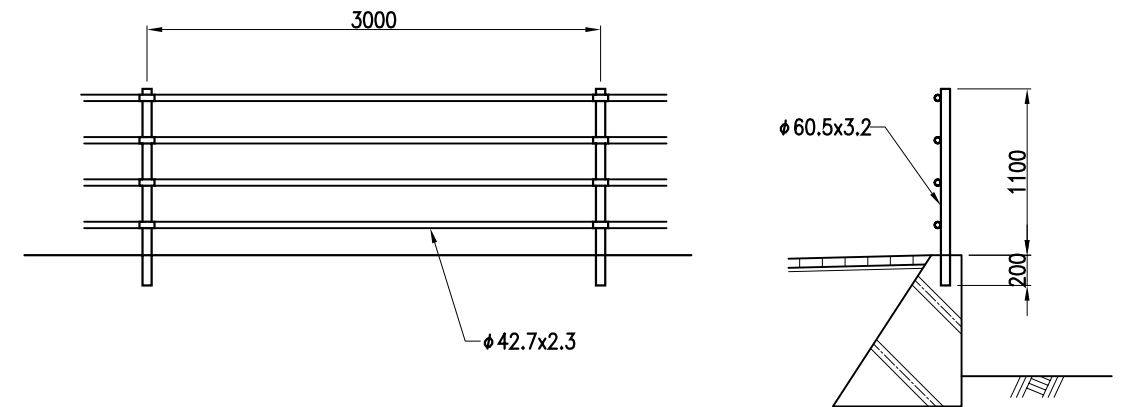
Unit:mm		
H	B	T
500	300	150
1,000	500	200
1,500	750	300
2,000	900	300
3,000	1,400	400

Retaining Wall-B no scale
(Gravity Retaining Wall)

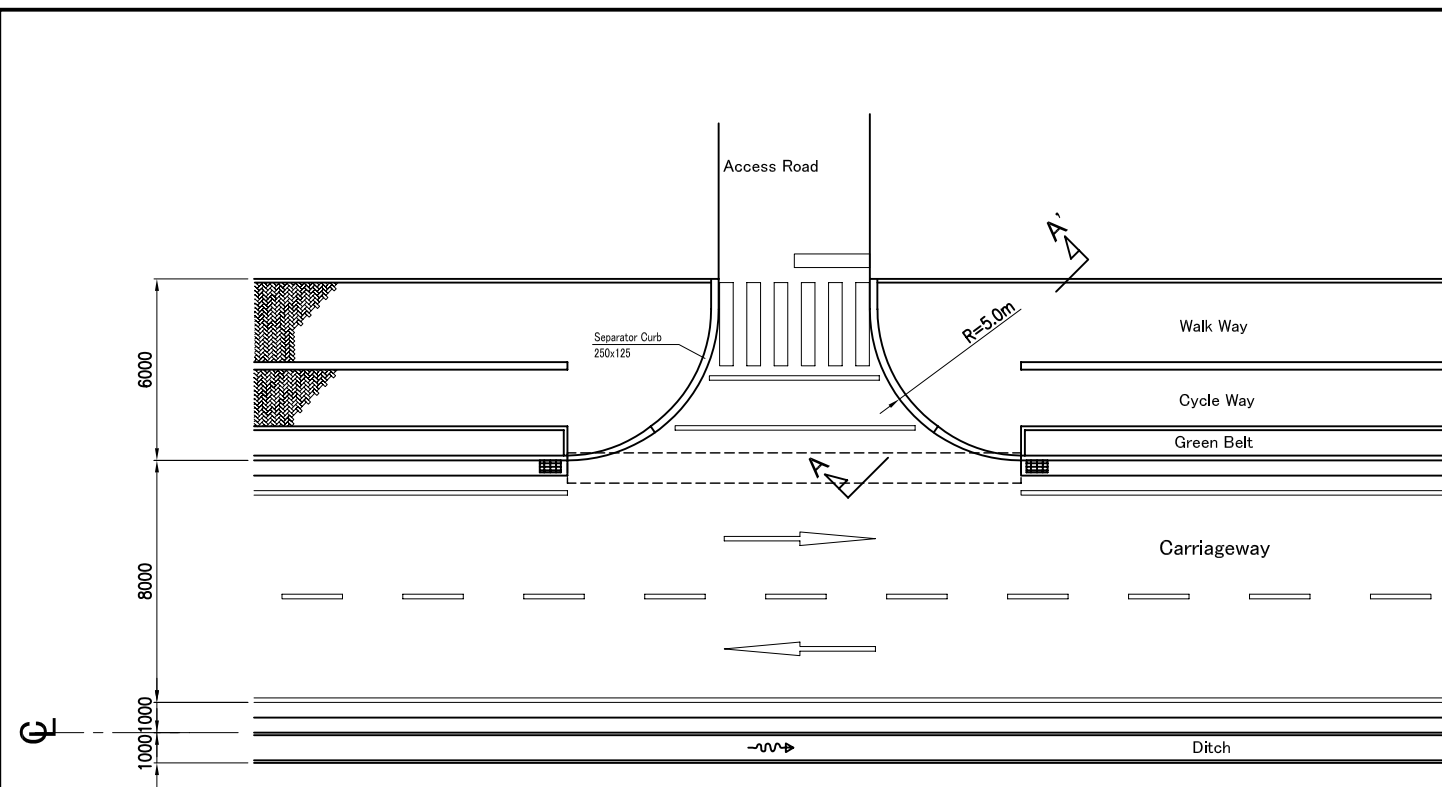


Unit:mm				
H	B	L	T1	T2
4,000	2,500	1,500	400	400
5,000	3,000	2,000	400	400
6,000	3,000	1,900	500	500
7,000	3,500	2,100	600	600
8,000	4,000	2,200	600	700

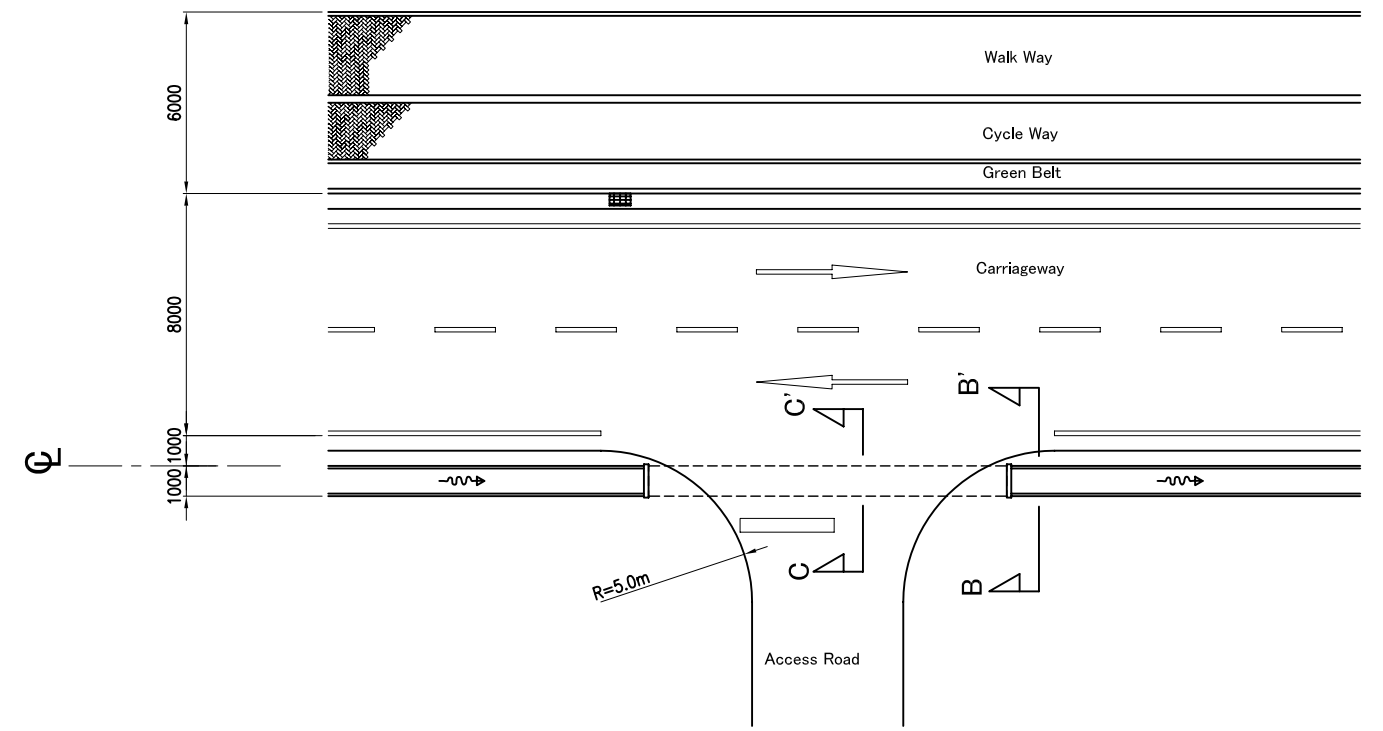
Retaining Wall-C no scale
(Reverse T shaped Retaining Wall)



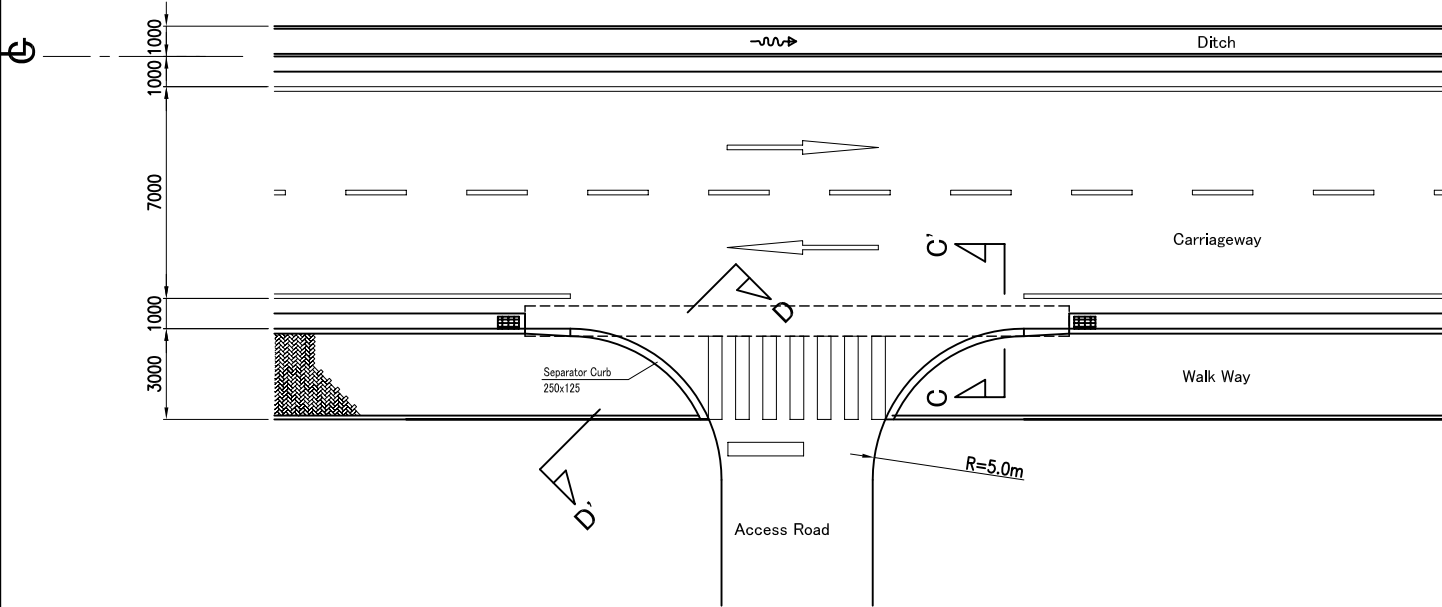
Steel Fence S=1/50



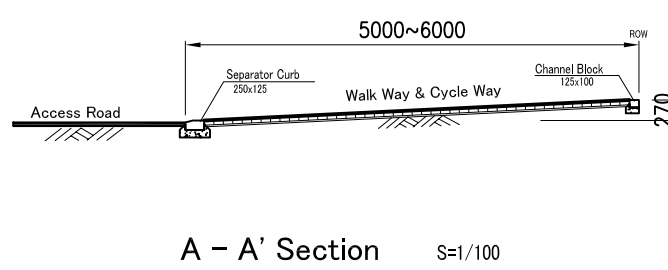
Connection Type-A S=1/400



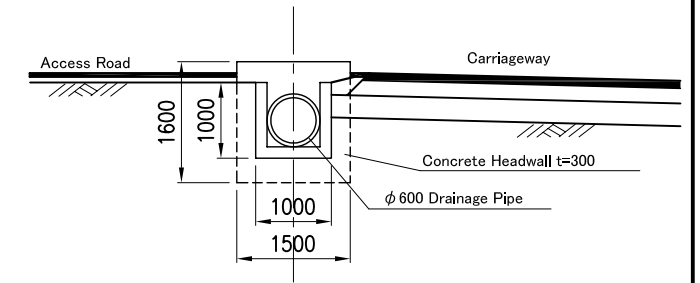
Connection Type-B S=1/400



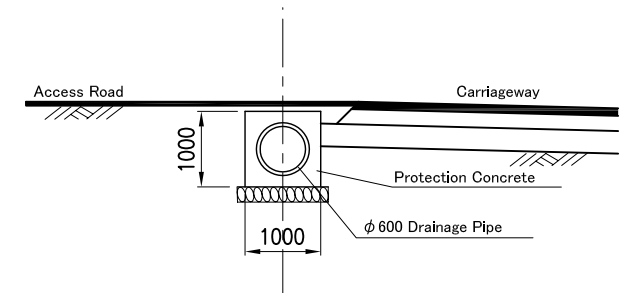
Connection Type-C S=1/400



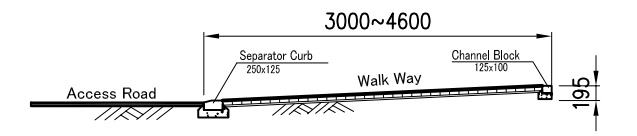
A - A' Section S=1/100



B - B' Section S=1/100



C - C' Section S=1/100



D - D' Section S=1/100

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Connection of Access Road
TYPE A, B & C

Drawing No.	G - 8
SCALE	As Shown
DATE	Jul. 2005