

PROJECT: CONSTRUCTION OF HCBS for DIMMPTS Ltd. and Dept. of Transport, GNCTD AMBEDKAR NAGAR TO DELHI GATE New Delhi, INDIA	NOTE:	In case of any discrepancy between the drawing and BOQ Item, (as per the final tender document) the same would be referred to the Dy. CP/M. Rules for clarification and approval by the contractor before execution at site		
	DWG No.	HCBS/JAN-DG/DET/1/5		
	SHEET NO.	O 1		
	DIMENSION IN	BOQ ITEM NO.		
	Millimeters	6, 0.4, 7, 0.4, 7, 1, 7, 17		
	REVISION : 00	REVISION DATE	00/00/00	
		DRAWN BY :		
		ARCH. IJUS		
		DY. CPM/ITES		
		SCALE : 1:50,25,20		
		DATE : 09/11/06		
		ACAD : PARKING DETAIL	GM/UT/ITES	
		APPROVED BY :		
		I'us Designers Combine TEL : 011 - 42147521		
		CONSULTANT		
		RITES LTD. GURGAON 0124-2818709		
		IIT, DELHI 011-26596351		
		TRIPPA		

SERVICE LANE

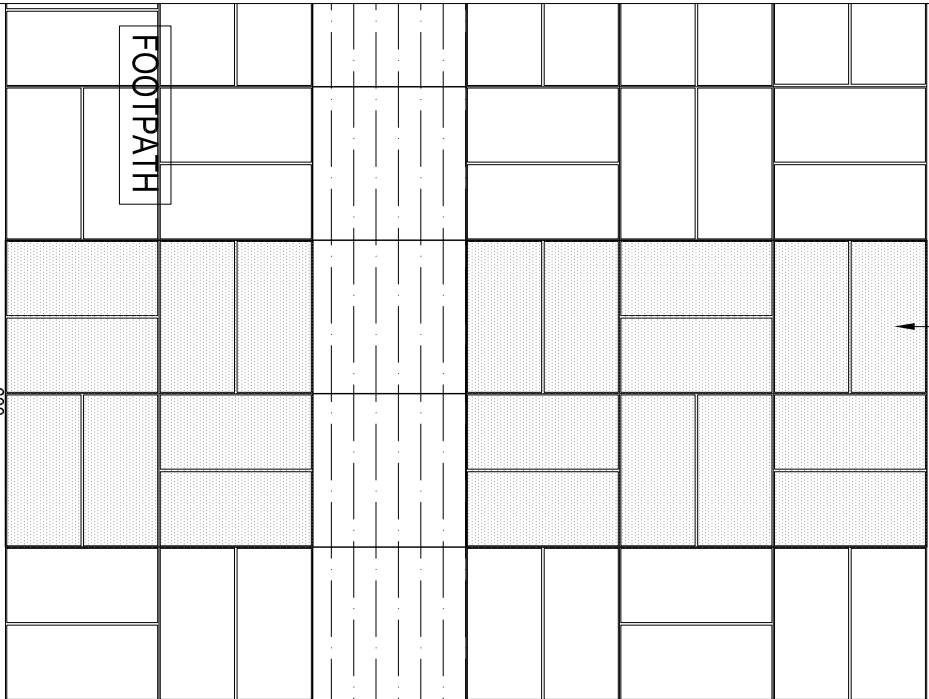
Approved shade of Red colour concrete slabs

150 x 300mm and 60mm thick machine moulded steam cured cement concrete slabs for paving made as per approved design and pattern complete using M-30 grade of concrete and suitably reinforced and manufactured by vibro compaction process as per specifications, Refer B.O.Q Item No: 7.11

Approved shade of Grey colour concrete slabs

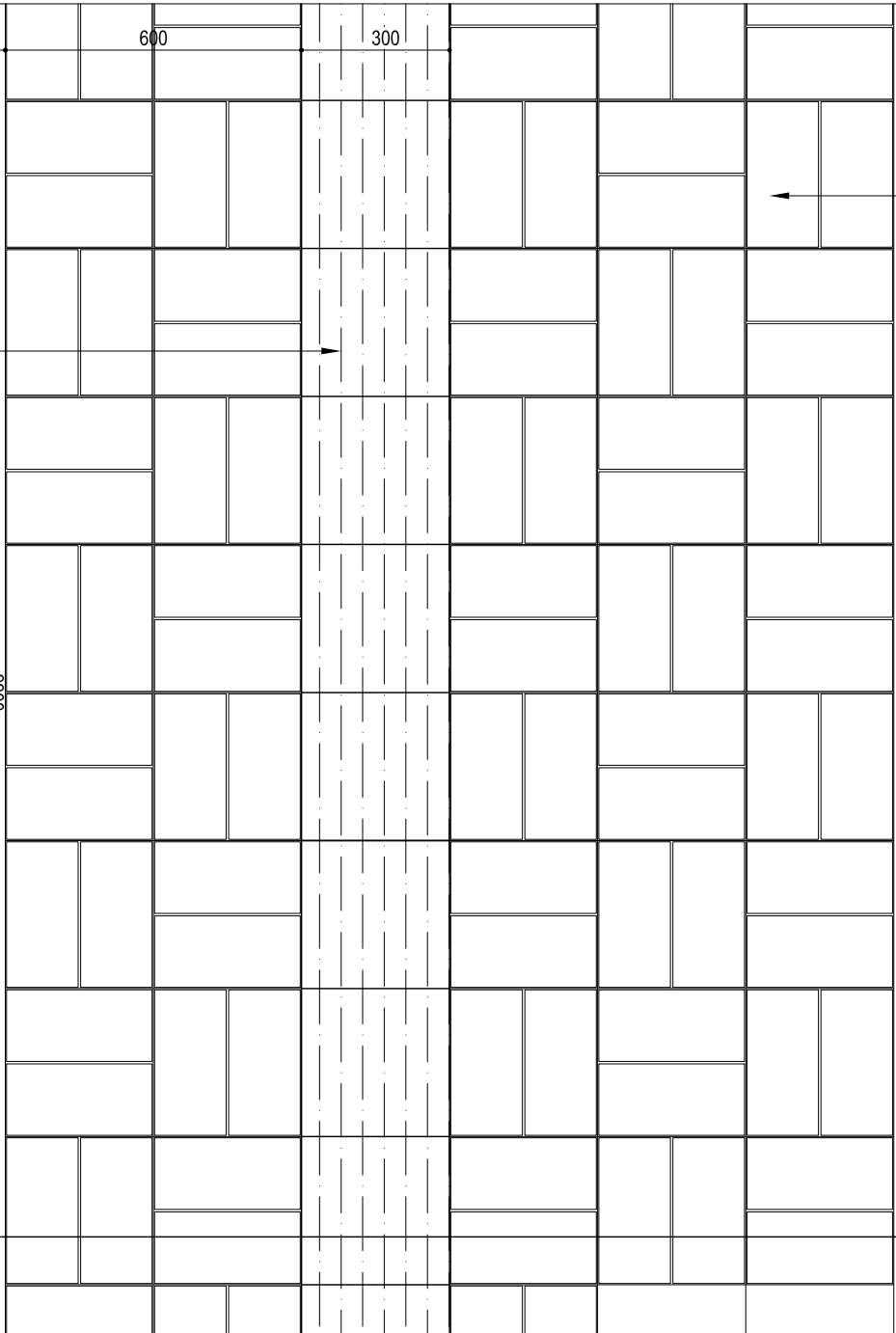
A

Approved shade of Red colour concrete slabs



600

CYCLE TRACK



150

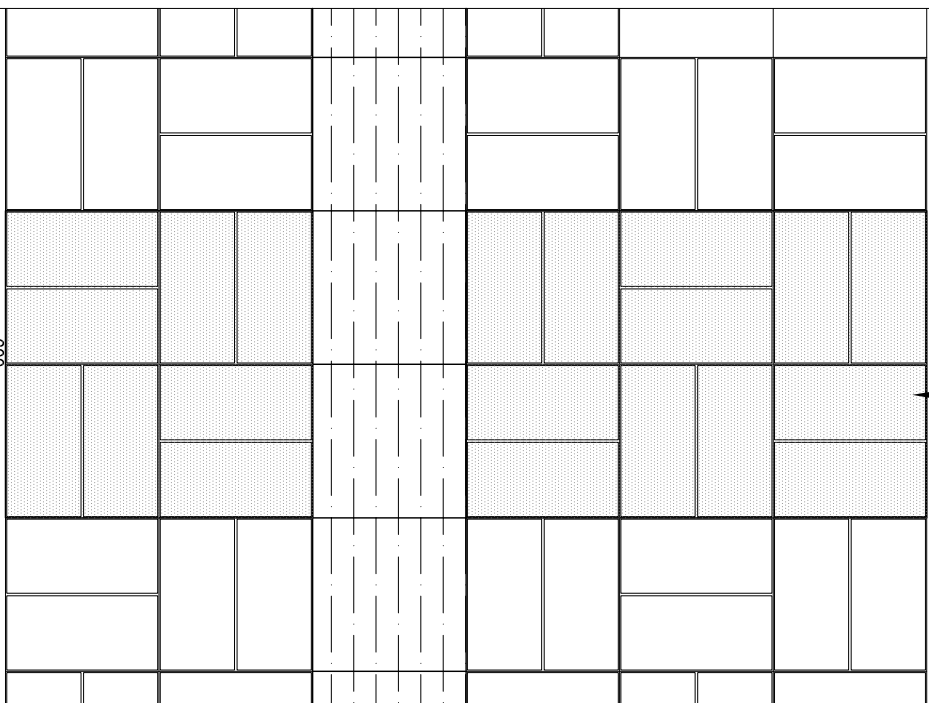
600

300

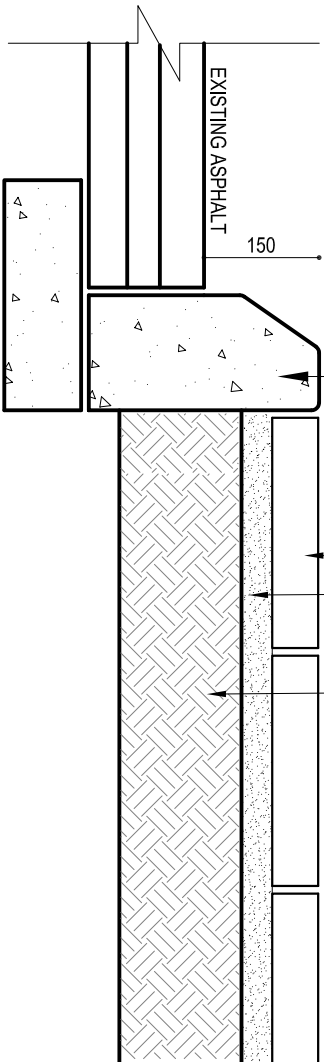
9900

300 x 300mm and 60mm thick steam cured PCC directional blocks, manufactured by using M-30 grade of concrete and with top surface in Yellow colour and manufactured by vibro compaction process and using jointless FRP moulds, so as to achieve shuttering finish, of K.K.koncrete or standard make. B.O.Q Item No: 7.12 & Refer Det01/02.

A



600



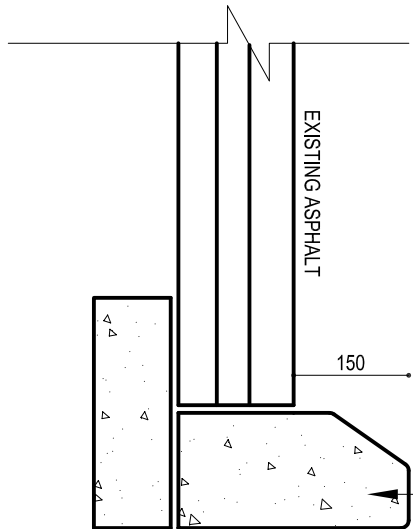
Kerb stone as per specification. Refer B.O.Q Item No:7.04 & DET/01/03.

300 x 300 x 60mm precast cement concrete slabs. Refer B.O.Q Item No:7.11

40mm thick sand bed including filling of joints with fine sand and sealing the blocks

Rammed Earth

Part Section A  
OPTION-1 (No Drain below the footpath) Refer B.O.Q. Item No. 7.07  
Scale 1:10



Kerb stone as per specification. Refer B.O.Q Item No:7.04 & DET/01/03.

1200 x 1200 x 100mm thick precast concrete slab as drain cover

40mm thick sand bed including filling joints with fine sand and sealing blocks.

300 x 300 x 60mm precast cement concrete slabs. Refer B.O.Q Item No:7.11

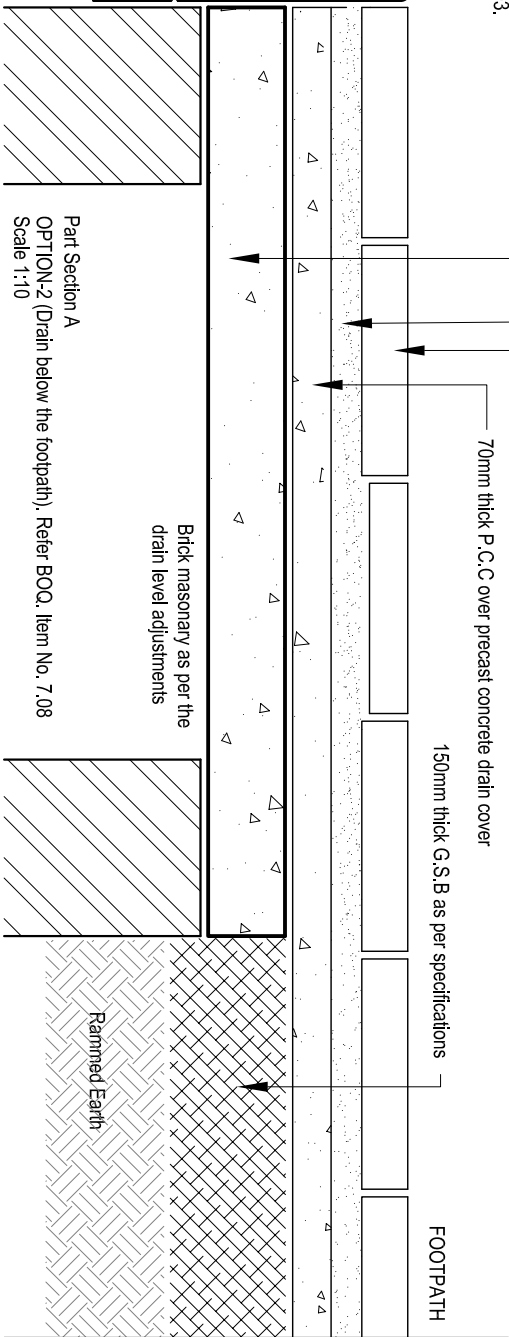
70mm thick P.C.C over precast concrete drain cover

150mm thick G.S.B as per specifications

FOOTPATH

Brick masonry as per the drain level adjustments

Part Section A  
OPTION-2 (Drain below the footpath). Refer BOQ. Item No. 7.08  
Scale 1:10



Rammed Earth

PROJECT:

CONSTRUCTION OF HCBS  
for DIMMPTS Ltd. and Dept. of Transport, GNCTD  
AMBEDKAR NAGAR TO DELHI GATE  
New Delhi, INDIA

NOTE:

DWG No.

HCBS/ AN-DG/DET/17  
DIMENSION IN  
Millimeters

REVISION : 01

SHEET NO.  
01

BOQ ITEM NO.  
7.04, 7.11

REVISION DATE  
13/12/06

DRAWN BY :

ARCH. IUS

TITLE

DETAILS  
Detail of Footpath

SCALE : 1:15

DATE : 04/12/06

DESIGN SERVICE

I'us  
Designs Combine

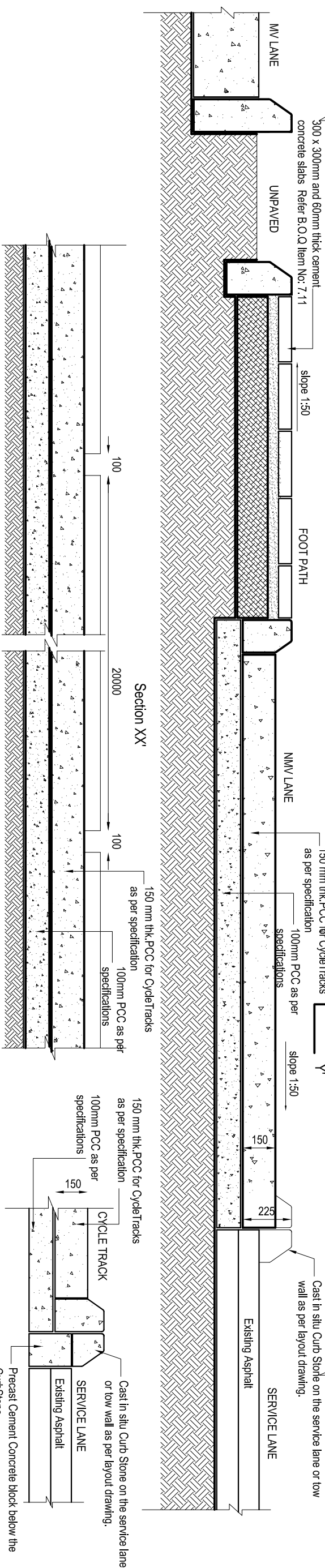
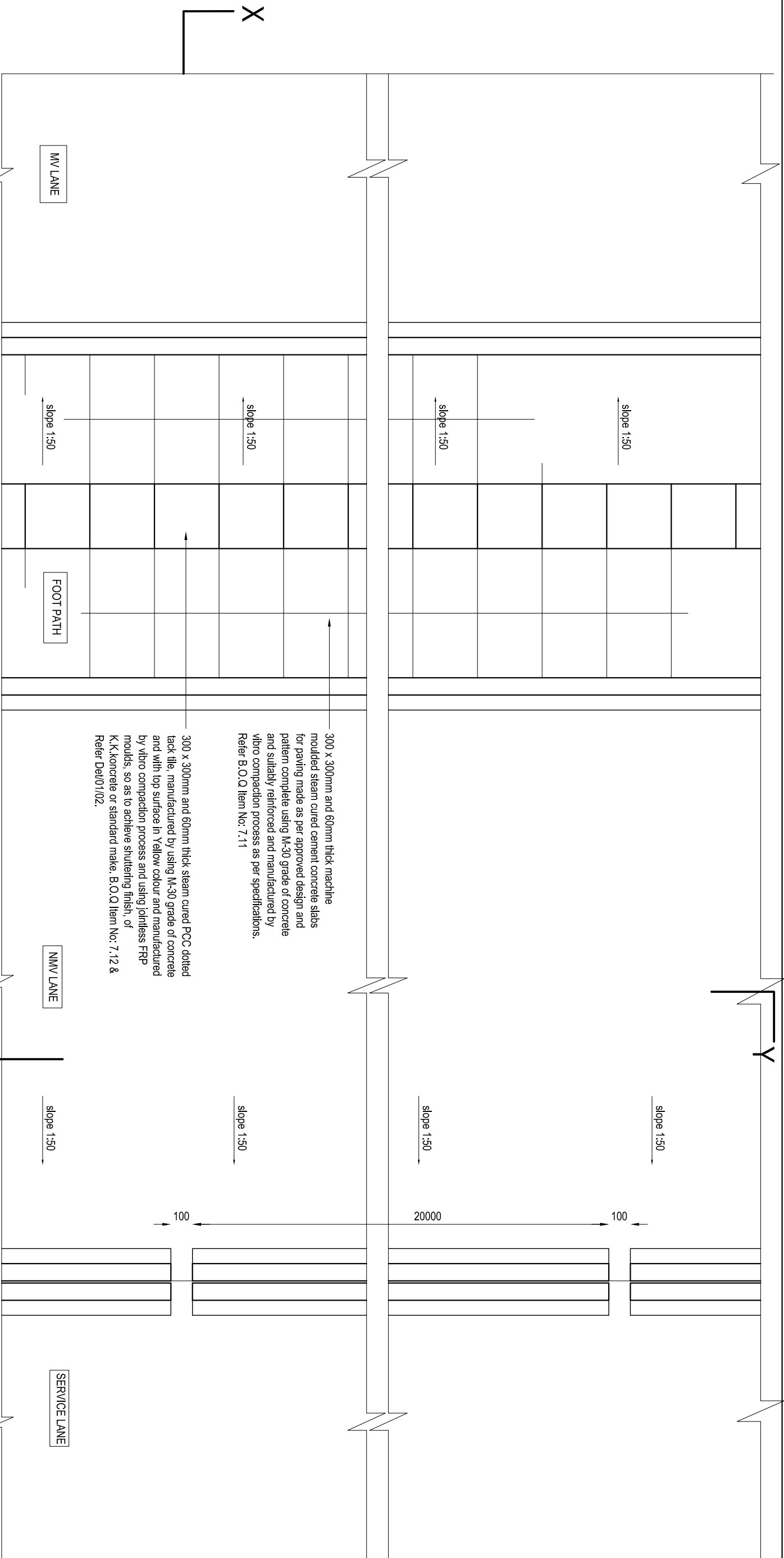
TEL : 011 - 42147521

CONSULTANT

ITES LTD. GURGAON  
0124-2818709

TRIPP

IIT, DELHI  
011-26596351



**PROJECT:**  
CONSTRUCTION OF HCBS  
for DIMTS Ltd. and Dept. of Transport, GNCTD  
AMBEDKAR NAGAR TO DELHI GATE  
New Delhi, INDIA

[illegible]

DWG No.

HCBS/AN-DG/DET/18

DIMENSION IN

Millimeters

REVISION : 00

SHEET NO.	01	BOQ ITEM NO.	6.04, 7.04, 7.11, 7.12, 7.17, 7.3	REVISION DATE	00/00/00
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DRAWN BY :	
ARCH. I'US	
DY. CPM/RITES	
31	
PD/RITES	

TITLE	DETAILS
	Detail btw
SCALE :	1:20
DATE :	04/12/06
ACAD :	C.T. bet S.L.


**APPROVED BY :**

DESIGN SERVICE

**I'us**  
Designers' Combine

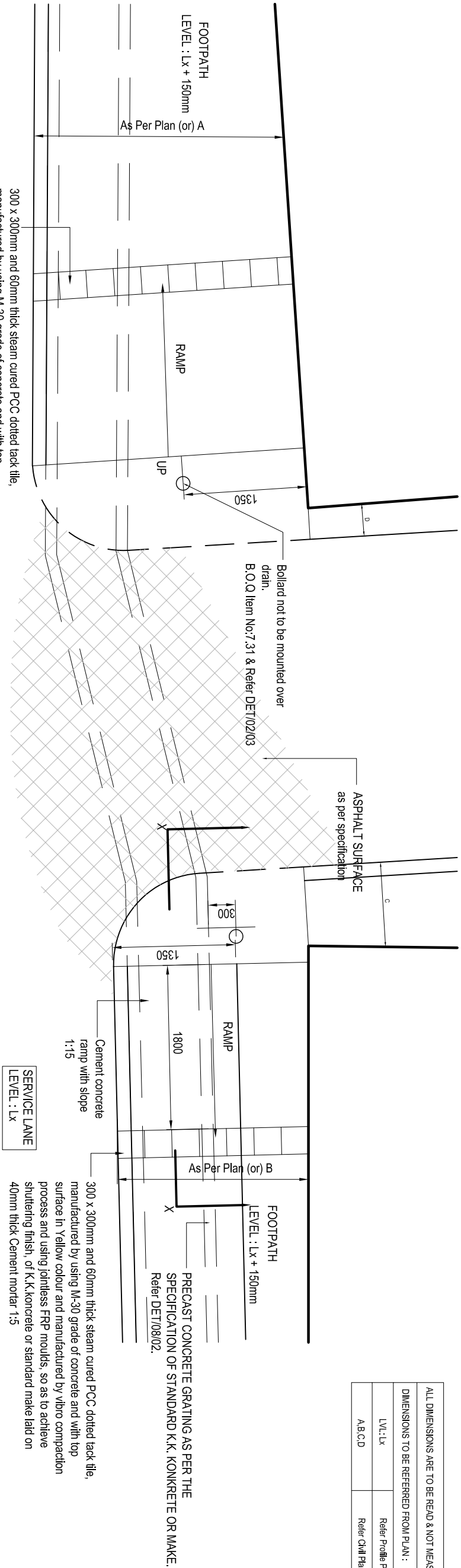
TEL : 011 - 42147521

**CONSULTANT**

 **ITES LTD.** GURGAON  
0124-2818709

 **TRIPP** IIT, DELHI  
011-26596351

ALL DIMENSIONS ARE TO BE READ & NOT MEASURED		
DIMENSIONS TO BE REFERRED FROM PLAN :		
LV: Lx	Refer Profile Plan	
A,B,C,D	Refer Chd Plan	



SERVICE LANE  
LEVEL : Lx

300 x 300mm and 60mm thick steam cured PCC dotted tack tile, manufactured by using M-30 grade of concrete and with top surface in Yellow colour and manufactured by vibro compaction process and using jointless FRP moulds, so as to achieve shuttering finish, of K,K.koncrete or standard make laid on 40mm thick Cement mortar in 1:5(Refer B.O.Q Item No:7.12).

B.O.Q Item No:7.12 & Refer DET/01/02

PCC Cylindrical Bollard of size 950mm Height and 150mm dia as per drawing manufactured by M-30 grade of concrete and suitably reinforced and manufactured by vibro compaction process using FRP moulds so as to achieve shuttering finish and grooves filled with broken vitreous colour tiles. B.O.Q Item No:7.31 & Refer DET/02/03

Cement concrete ramp with slope 1:12

300 x 300mm and 60mm thick tactile flooring tiles of endura-tactile or standard make laid on 40mm thick Cement mortar in 1:5 B.O.Q Item No:7.12 & Refer DET/01/02

300 x 300mm 60mm thick cement concrete tiles laid on 20mm thick Cement mortar in 1:5(Refer B.O.Q Item No:7.11)

Brick masonry to adjust Drain slope.  
Refer DET/08/01.

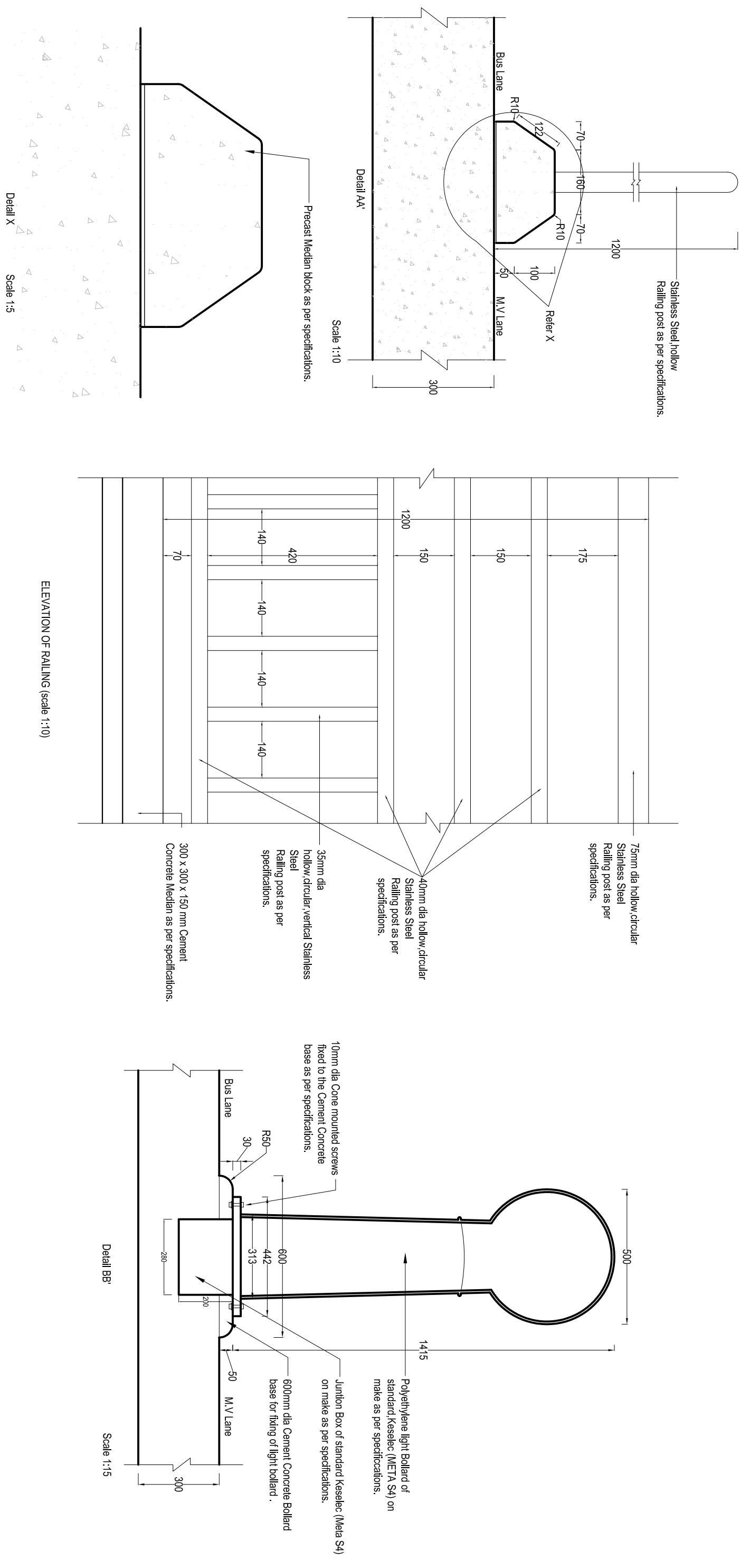
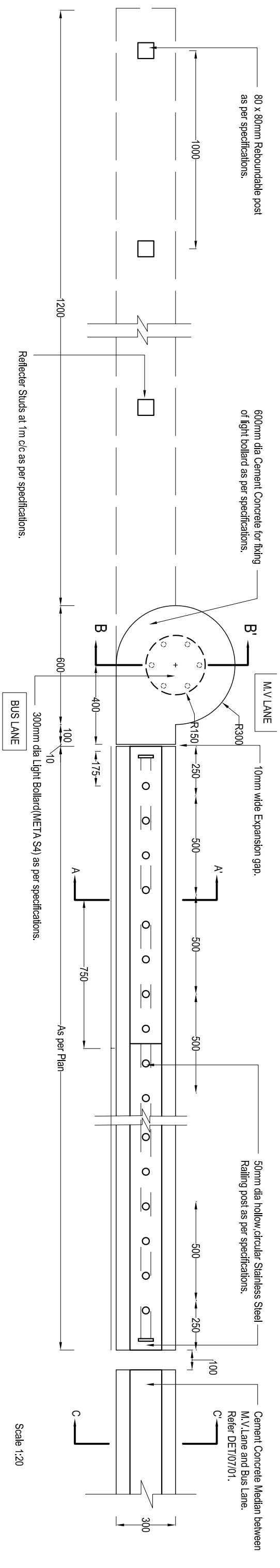
SECTION XX  
SCALE 1:25

NOTE :  
THE TOP OF THE SLAB SHALL BE LOWERED BY 50mm at the start of the ramp upto the other end of the ramp of the other footpath across the service lane

PROJECT: CONSTRUCTION OF HCBS for DIMMPTS Ltd. and Dept. of Transport, GNCTD AMBEDKAR NAGAR TO DELHI GATE New Delhi, INDIA	NOTE:		In case of any discrepancy between the drawing and BOQ Item, (as per the final tender document) the same would be referred to the Dy. CPM Rites for certification and approval by the contractor before execution at site	
	DWG No.	HCBS/AN-DG/DET/12		DIMENSION IN
	Millimeters			
	REVISION : 00			
	REVISION DATE	00/00/00		
DRAWN BY :		SHEET NO.		PD/RITES
ARCH. IUS		01		ACAD : det-shop-scrossing GM/UT/RITES
DY. CPM/RITES		BOQ ITEM NO.		DESIGNER'S Combine
SCALE : 1:50		APPROVED BY :		TEL : 011 - 42147521
DATE : 11/10/06				
ACAD : det-shop-scrossing GM/UT/RITES				
DESIGN SERVICE		CONSULTANT		
RITES LTD.		GURGAON		
0124-2818709				
IIT, DELHI				
011-26596351				







**PROJECT:**  
CONSTRUCTION OF HCBS  
for DIMMPTS Ltd. and Dept. of Transport, GNCTD  
AMBEDKAR NAGAR TO DELHI GATE  
New Delhi, INDIA

Detail X      Scale 1:5

ELEVATION OF RAILING (scale 1:10)

Scale

ENTRY TO BUS LANE

DESIGN SERVICE

CONSULTANT

**FILED.**  
0124-2818709

**INTEL LTD.**  
0124-2818709

**It's  
us**  
Designers' Combine

**INLEED LTD.** 0124-2818709  
**ITRIBD** IIT, DELHI

## Designers' Combine



TDB IIT, DELHI

REVISION : 01	REVISION DATE	09/11/06
---------------	---------------	----------

PD/RITES

ACAD :

GM./UT/RITES

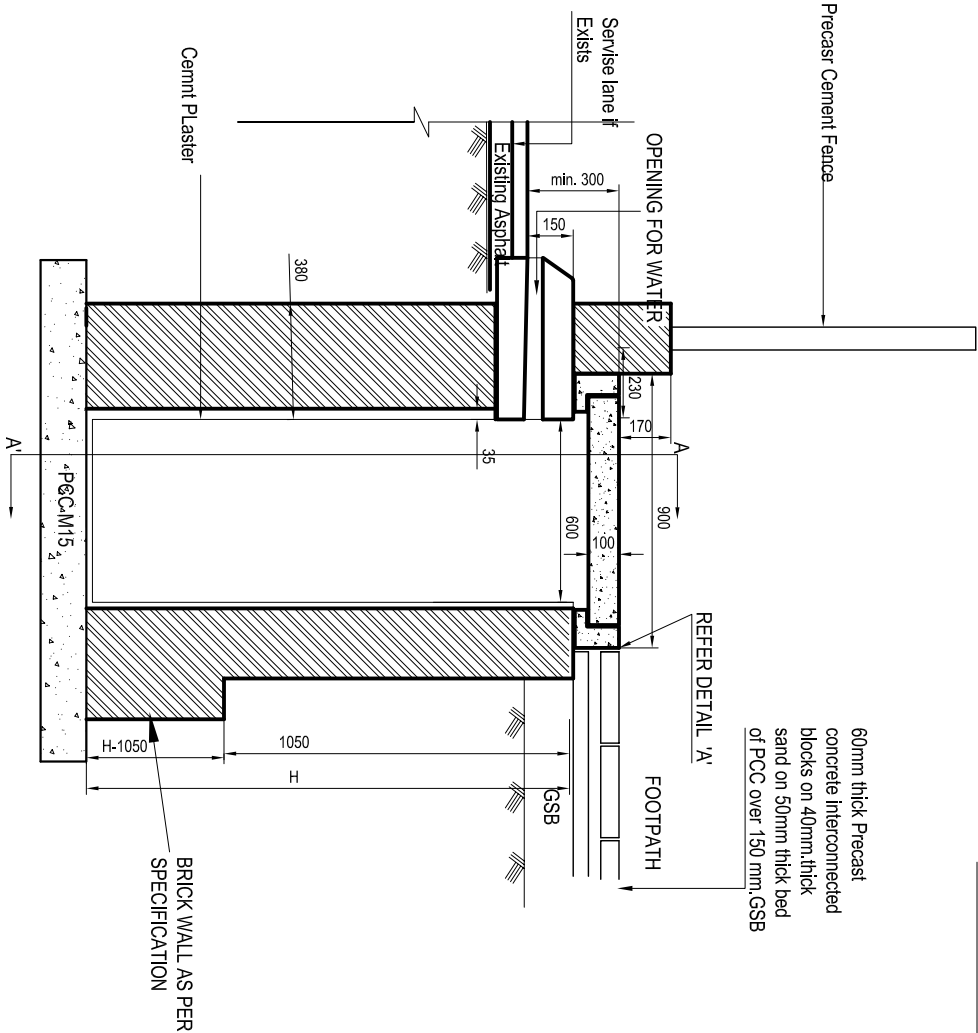
TEL: 011-42147521

011-26596351



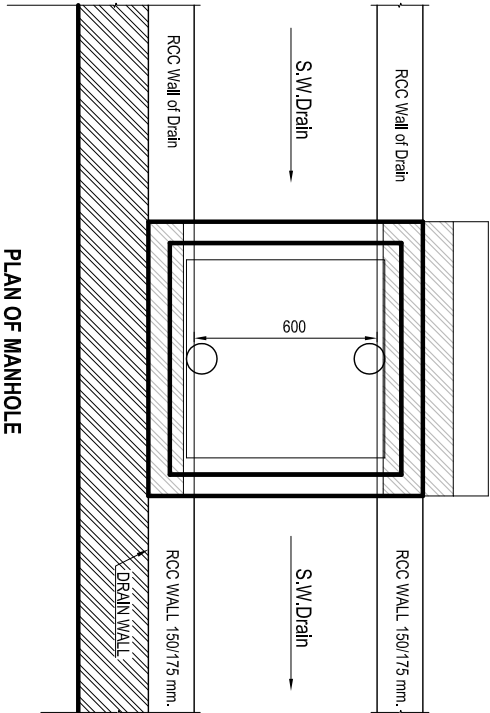
# TYPICAL DETAILS OF MANHOLE ON STORM WATER DRAINS

## HCBS PROJECT

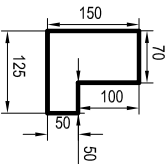


SECTION YY'

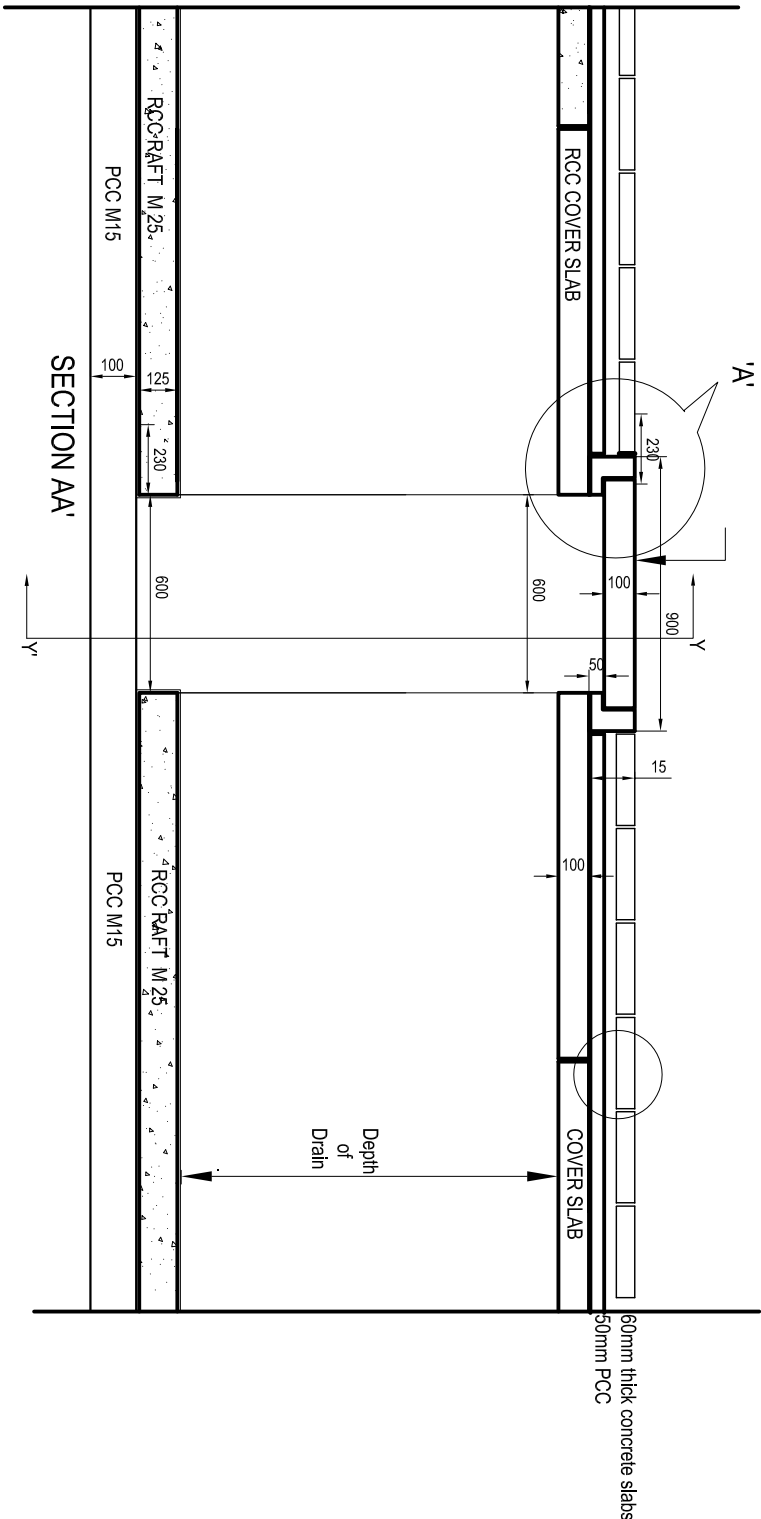
### TYPICAL DETAILS OF STORM WATER DRAINS



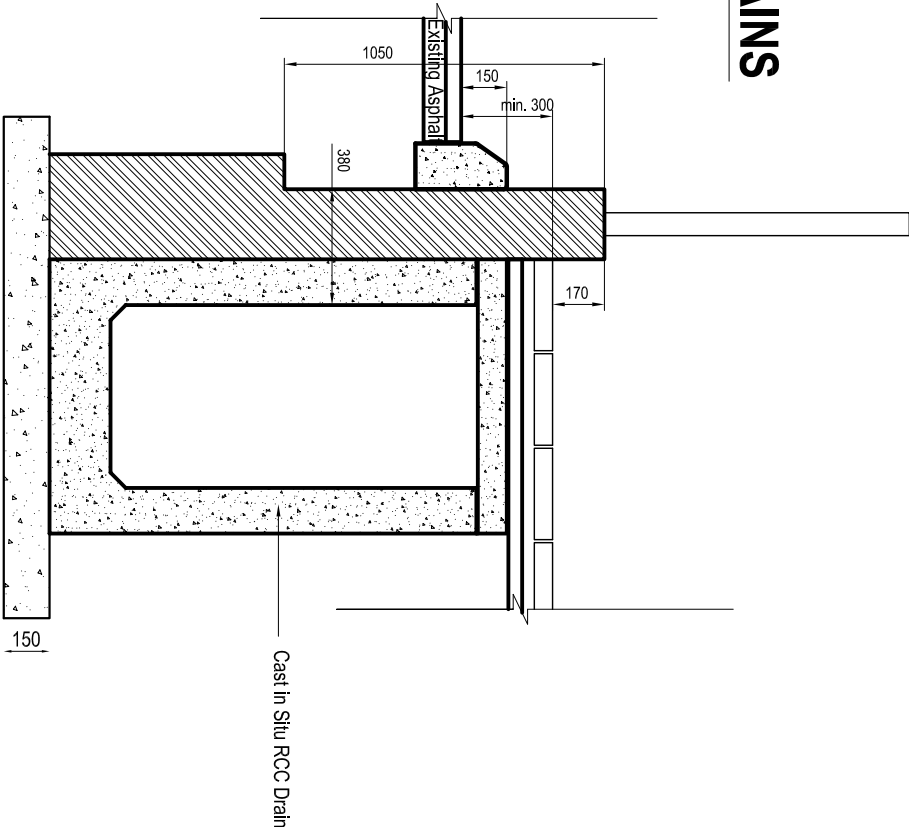
PLAN OF MANHOLE





DETAILS OF 'A'



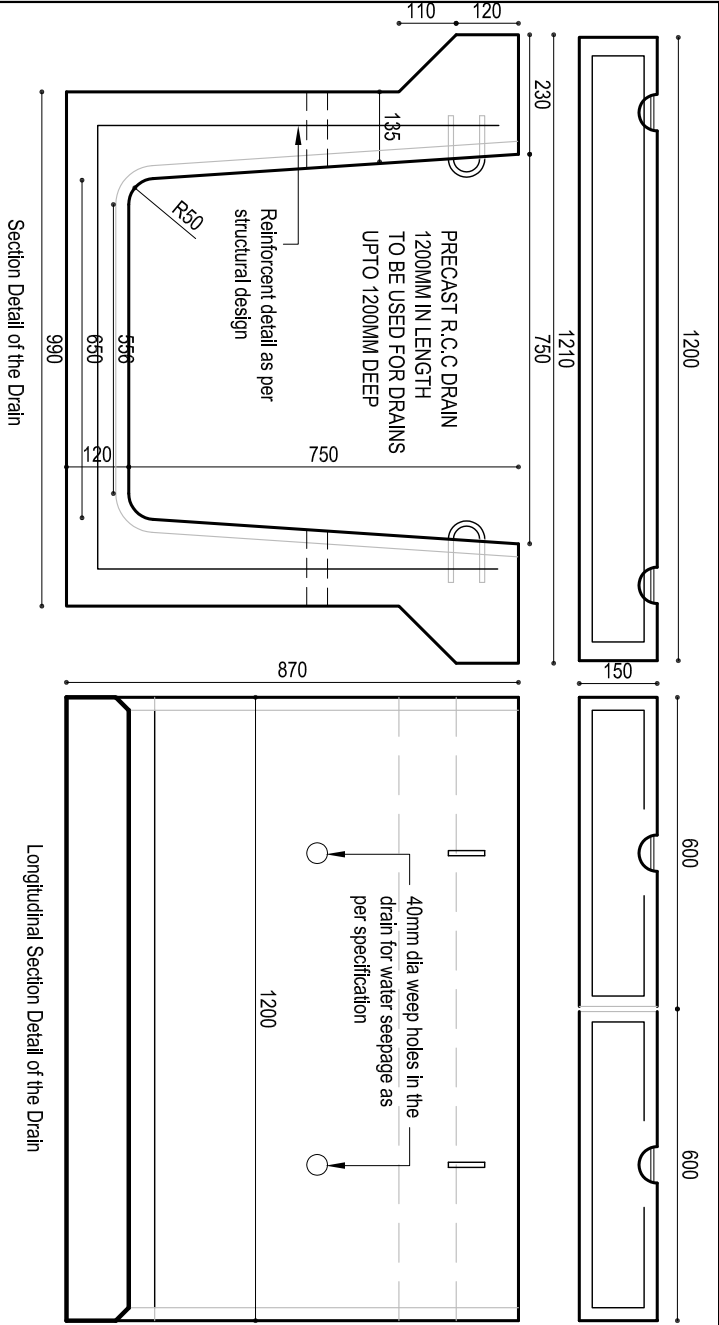
SECTION AA'



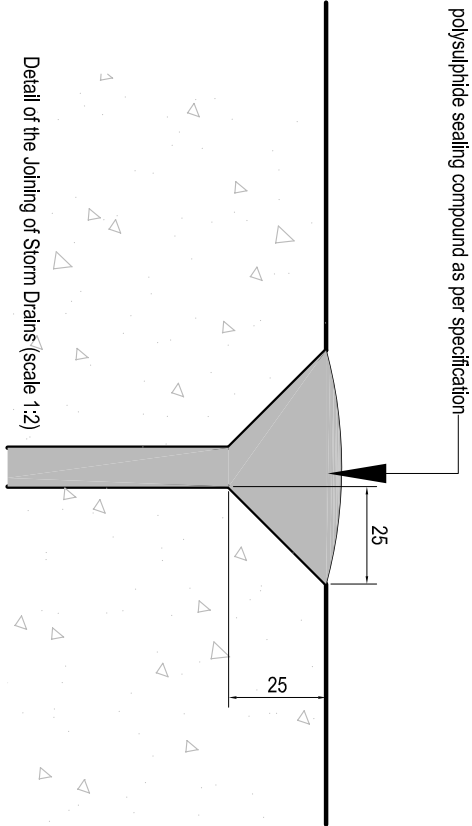
Cast In Situ RCC Drain

PROJECT: CONSTRUCTION OF HCBS for DIMMPTS Ltd. and Deptt. of Transport, GNCTD AMBEDKAR NAGAR TO DELHI GATE New Delhi, INDIA	NOTE:		DWG No.		SHEET NO.		DRAWN BY :		TITLE		DESIGN SERVICE		CONSULTANT	
				HCBS/AN-DG/DET/19		01	ARCH. I'US		DETAILS MANHOLE DETAIL	APPROVED BY :	I'us Designers Combine TEL: 011 - 42147521			
				DIMENSION IN Millimeters		BOQ ITEM NO.								
				REVISION : 00		REVISION DATE 00/00/00								
								PD/RITES						

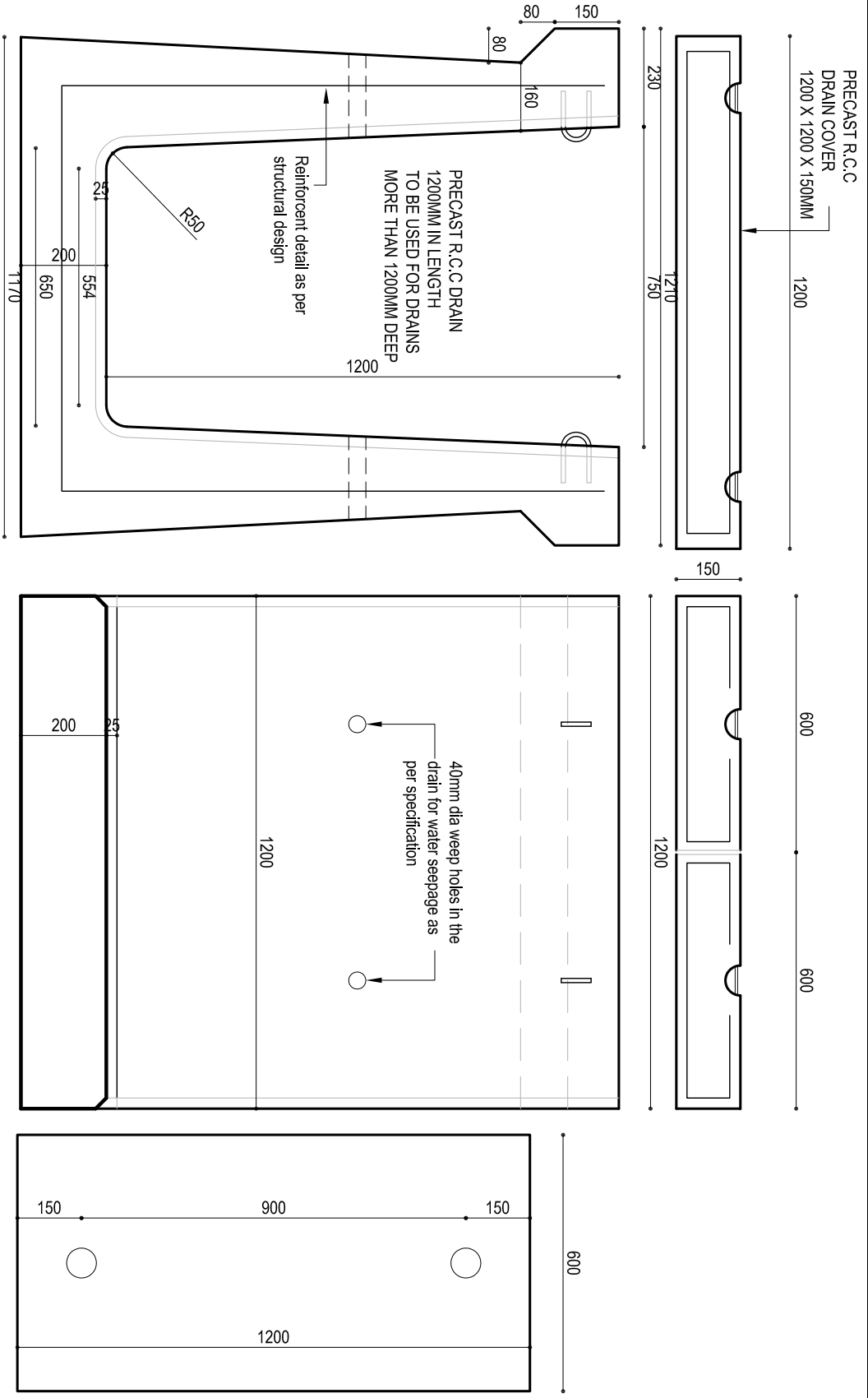




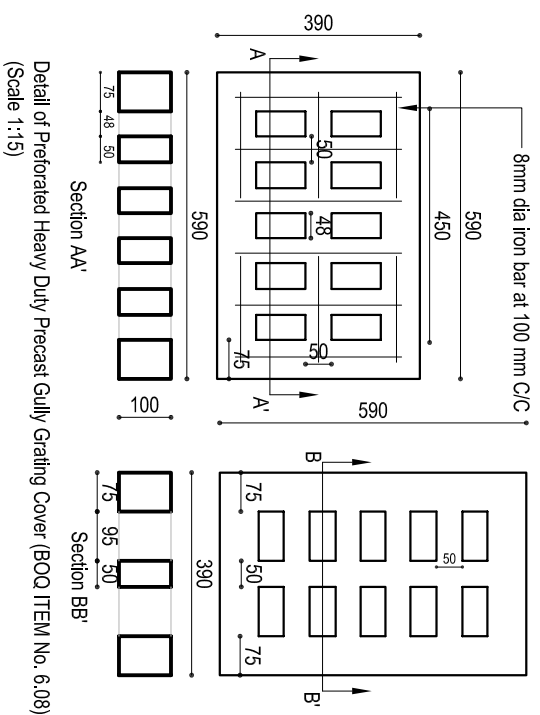
Detail of Storm Drain Chamber-750mm depth  
(Scale 1:15)



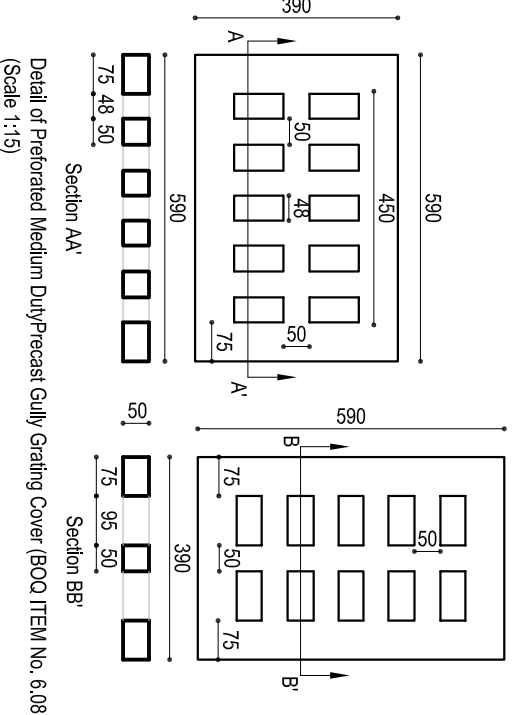
Detail of the Joining of Storm Drains (scale 1:2)



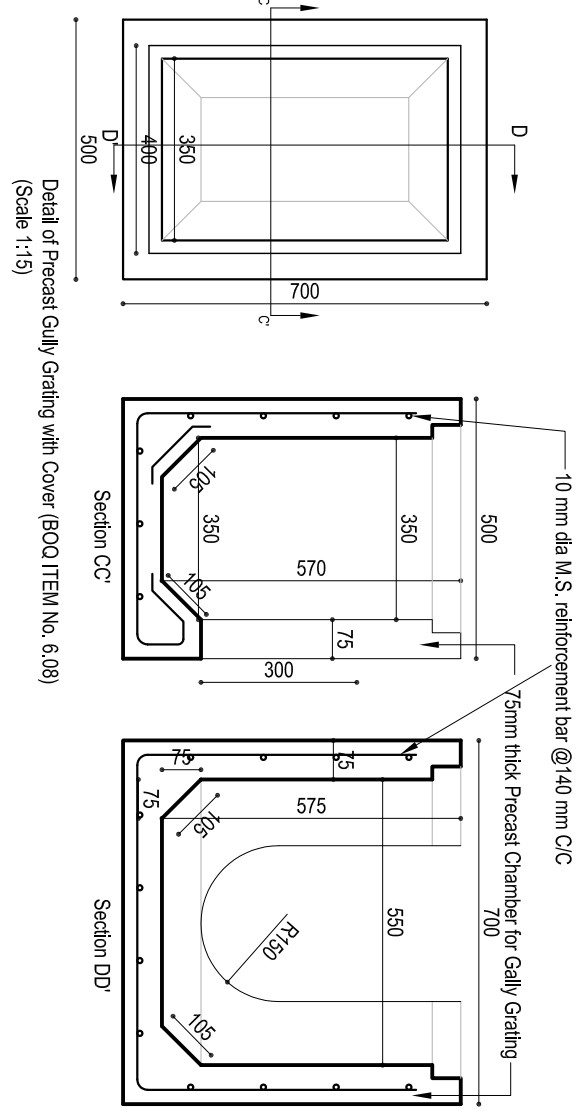
Detail of Storm Drain Chamber-1200mm depth  
(Scale 1:15)



Detail of Prefabricated Heavy Duty Precast Gully Grating Cover (BOQ ITEM No. 6.08)  
(Scale 1:15)

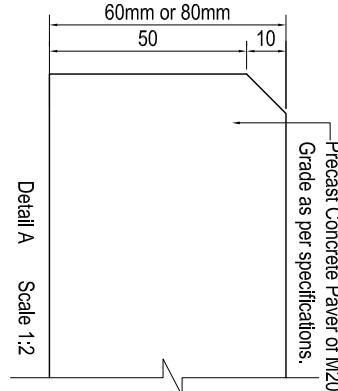
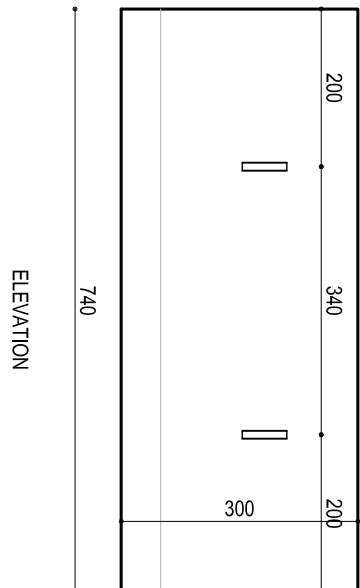
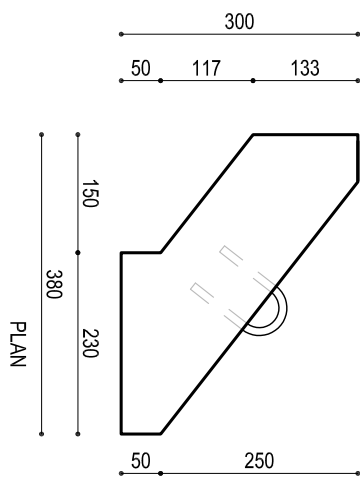
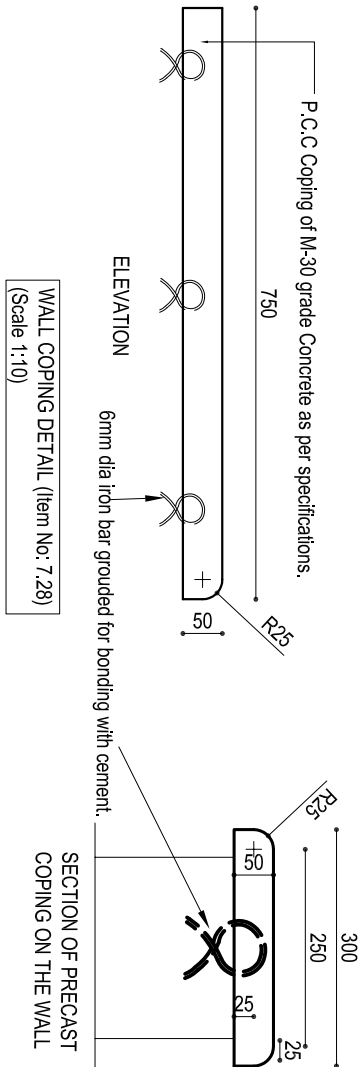
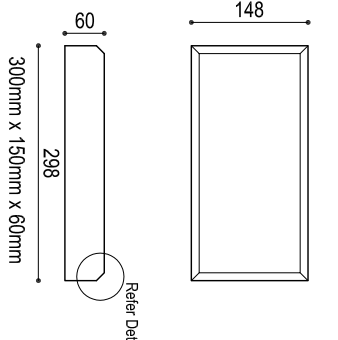
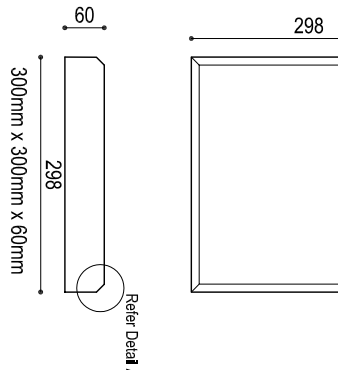
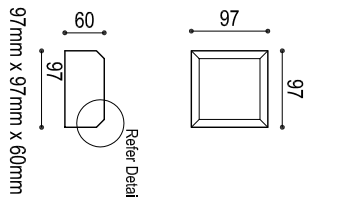
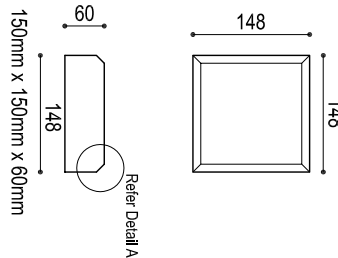
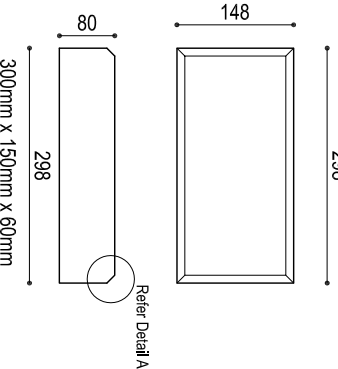
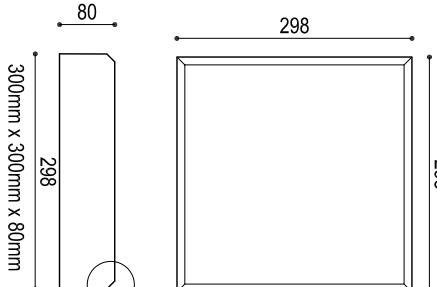
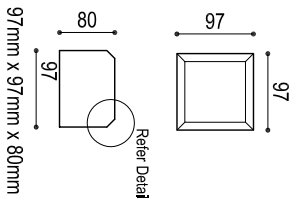
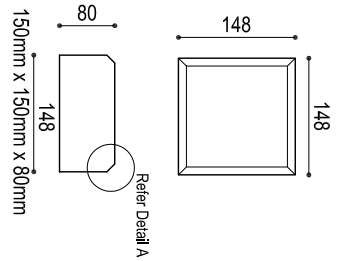
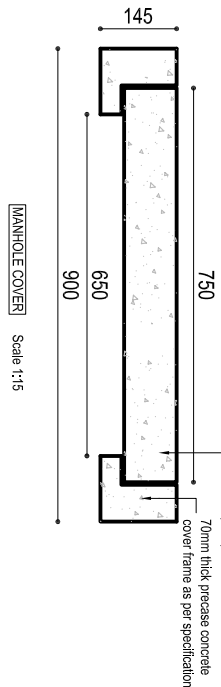
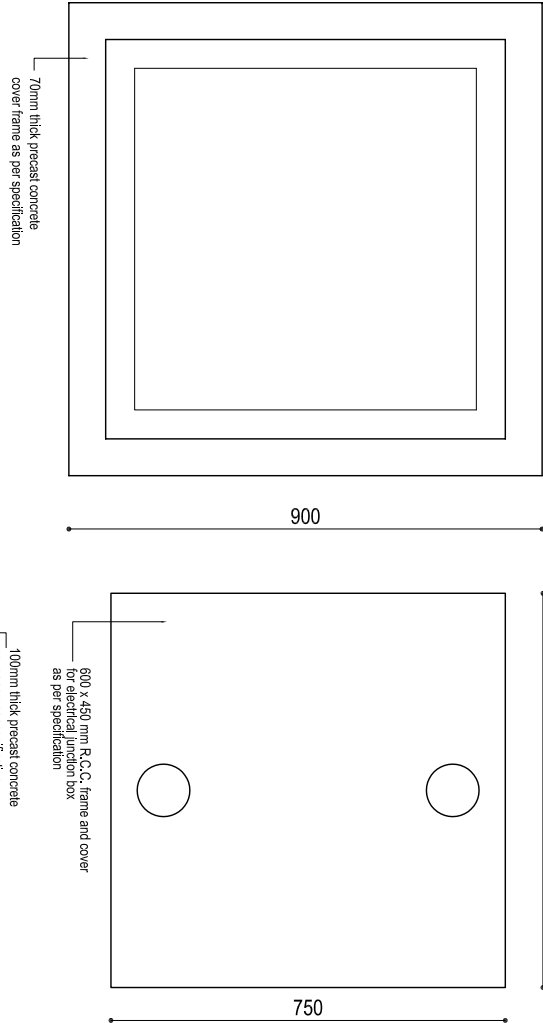
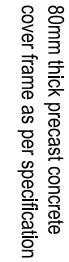
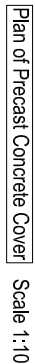
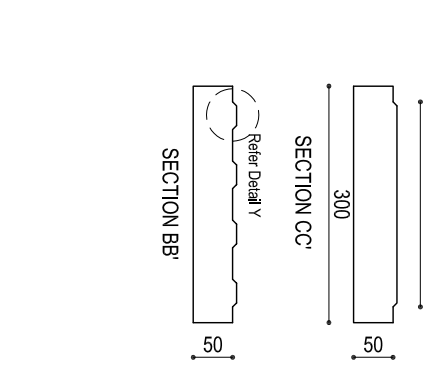
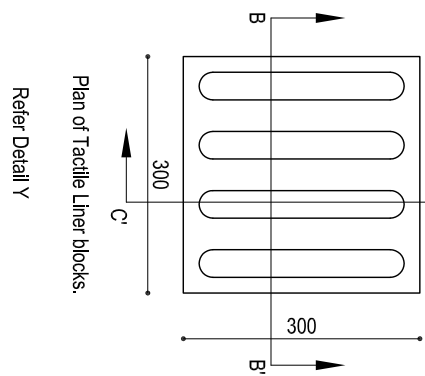
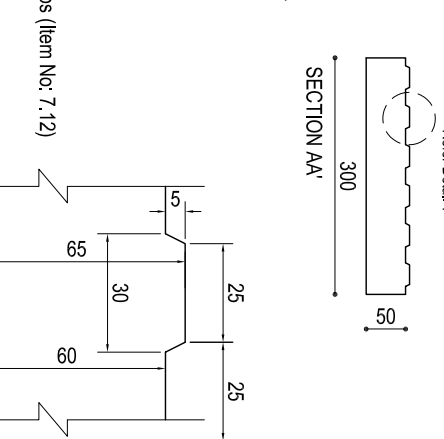
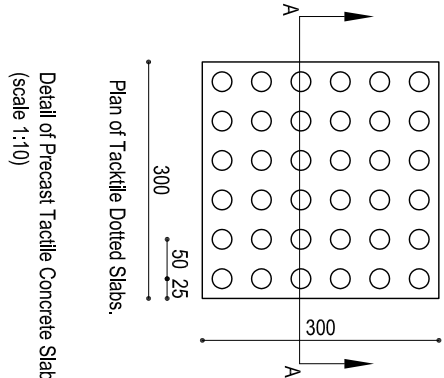
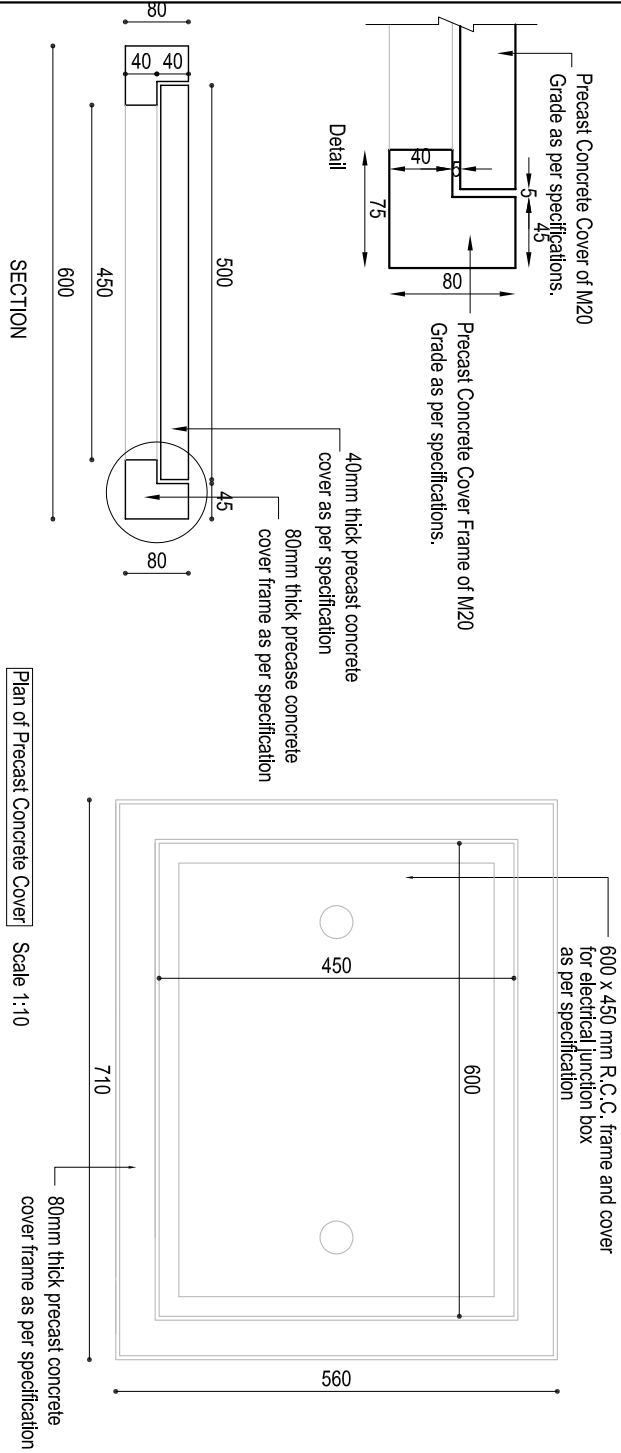


Detail of Prefabricated Medium Duty Precast Gully Grating Cover (BOQ ITEM No. 6.08)  
(Scale 1:15)



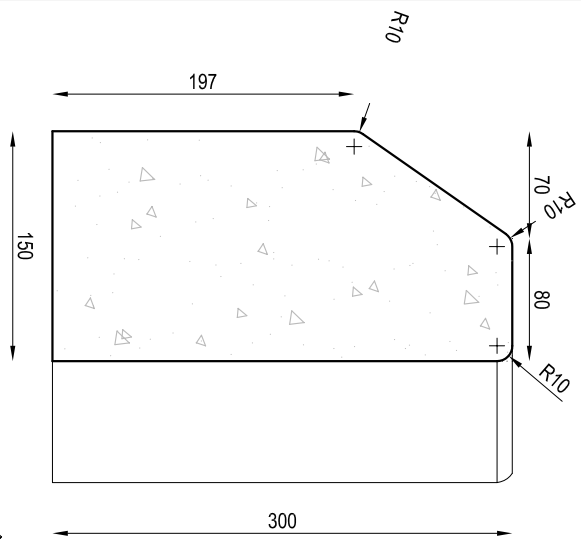
Detail of Precast Gully Grating with Cover (BOQ ITEM No. 6.08)  
(Scale 1:15)

PROJECT:		CONSTRUCTION OF HCBS for DIMMPTS Ltd. and Dept. of Transport, GNCTD AMBEDKAR NAGAR TO DELHI GATE New Delhi, INDIA	
NOTE:		In case of any discrepancy between the drawing and BOQ item, (as per the final tender document) the same would be referred to the Dy. CPM Rites for clarification and approval by the contractor before execution at site	
DWG No.		HCBS/AN-DG/DET/01	
SHEET NO.		01	
DIMENSION IN		BOQ ITEM NO.	
Millimeters		6.04	
REVISION : 00		REVISION DATE 00/00/00	
DRAWN BY :		ARCH. IUS	
TITLE		PRECAST ITEMS	
SCALE : 1:10		DATE : 27/09/06	
ACAD : Precast Items		GM. UT/RITES	
DESIGN SERVICE		CONSULTANT	
TEL : 011 - 42147521		TEL : 011 - 42147521	
RITES LTD.		GURGAON	
0124-2818709		0124-2818709	
IIT, DELHI		011-26596351	

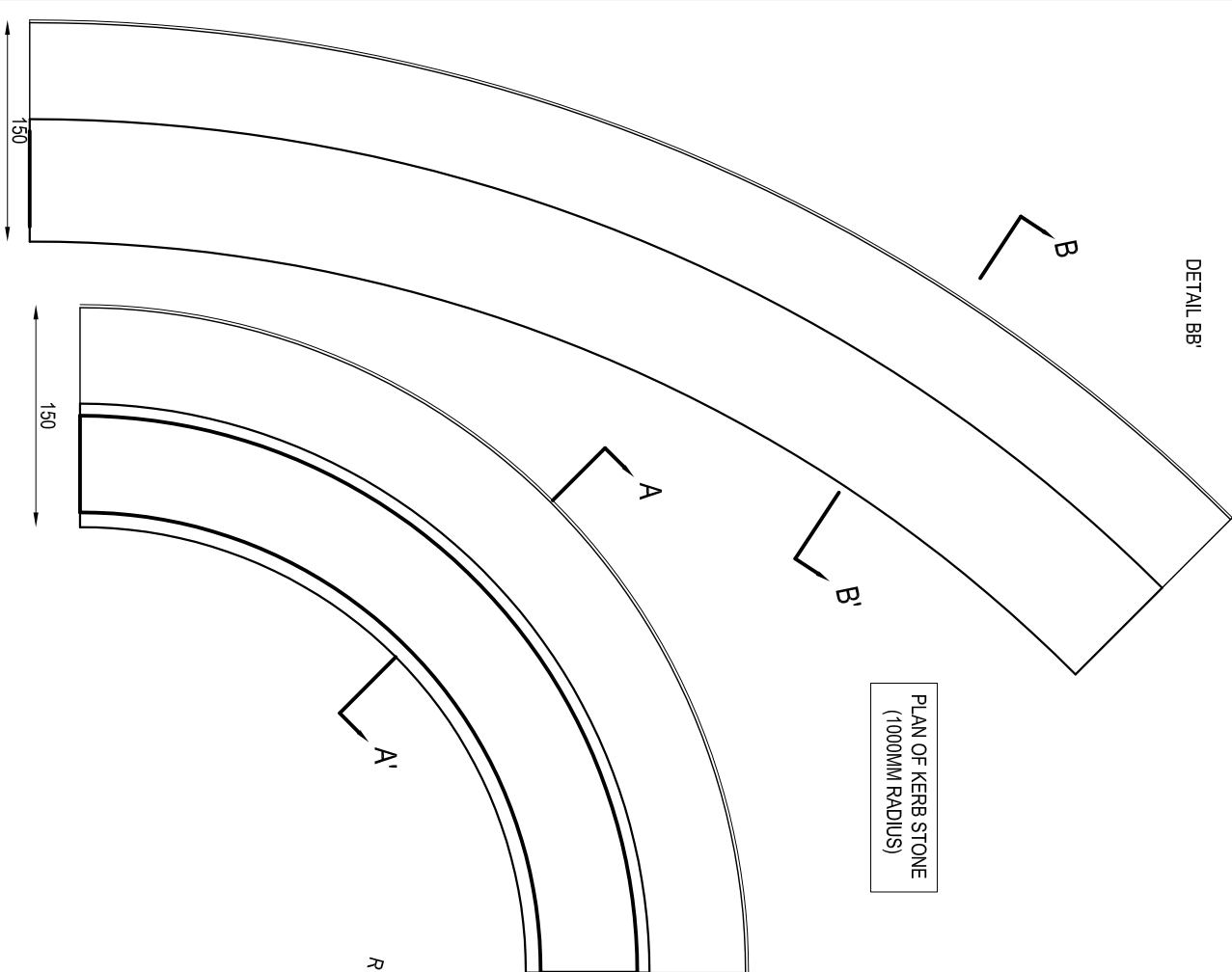


<b>PROJECT:</b> CONSTRUCTION OF HCBS for DIMMPTS Ltd. and Dept. of Transport, GNCTD AMBEDKAR NAGAR TO DELHI GATE New Delhi, INDIA		<b>NOTE:</b>	
		In case of any discrepancy between the drawing and BOQ item, (as per the final tender document) the same would be referred to the Dy. CPM Rites for clarification and approval by the contractor before execution at site	
<b>DWG No.</b> HCBS/AN-DG/DET/01		<b>SHEET NO.</b> 02	
<b>DIMENSION IN</b> Millimeters		<b>BOQ ITEM NO.</b> 6,07,7,12,7,11,7,28	
<b>REVISION : 00</b>		<b>REVISION DATE</b> 00/00/00	
<b>DRAWN BY :</b>		<b>TITLE</b>	
<b>ARCH. I/US</b>		<b>PRECAST ITEMS PAVERS</b>	
<b>DY. CPM/RITES</b>		<b>SCALE : 1:10</b>	
<b>DATE : 22/11/06</b>		<b>APPROVED BY :</b>	
<b>ACAD : Precast Items</b>		<b>GM./UT/RITES</b>	
<b>PD/RITES</b>		<b>TEL : 011 - 42147521</b>	
<b>DESIGN SERVICE</b>		<b>CONSULTANT</b>	
 I'us Designers Combine		 RITES LTD. GURGAON 0124-2818709	
 TRIPP		 IIT, DELHI 011-26596351	



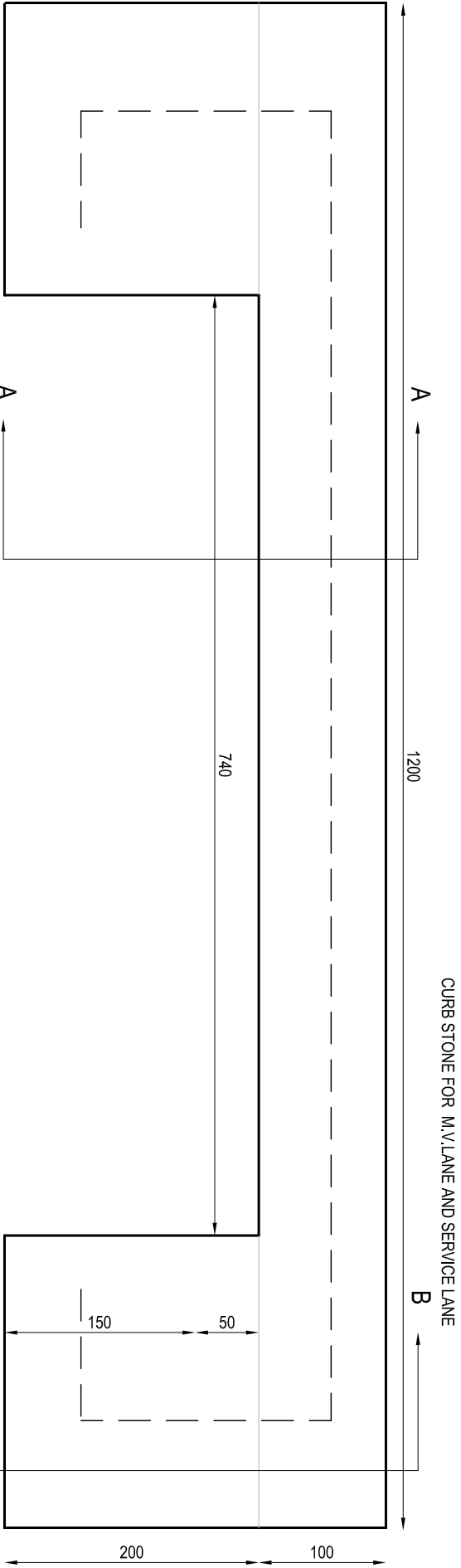


DETAIL BB'

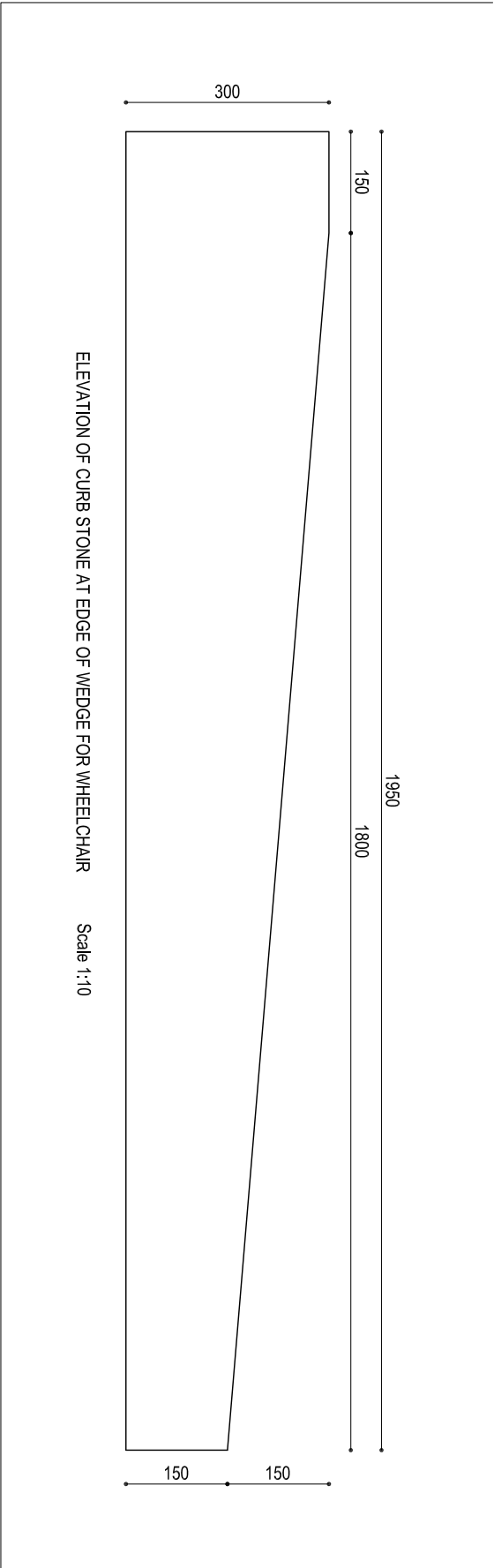


PLAN OF KERB STONE  
(1000MM RADIUS)

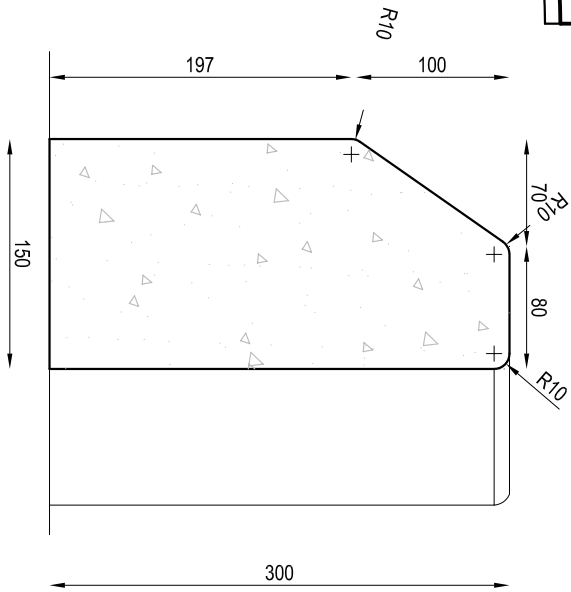
PLAN OF KERB STONE  
(300MM RADIUS)



Curb Stone Detail (scale 1:10)

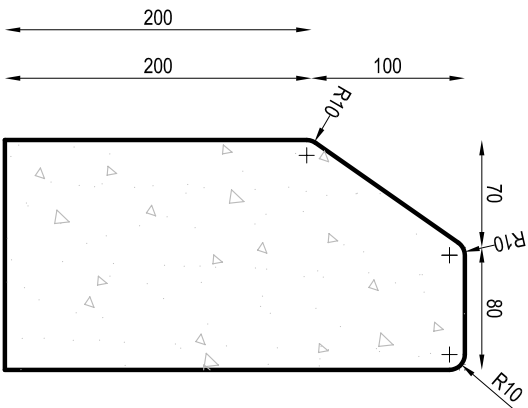
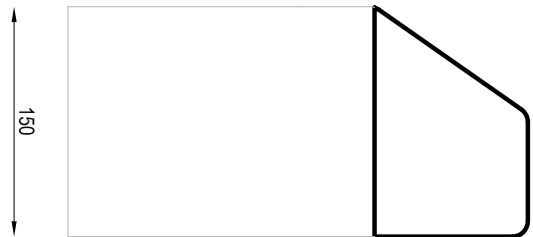
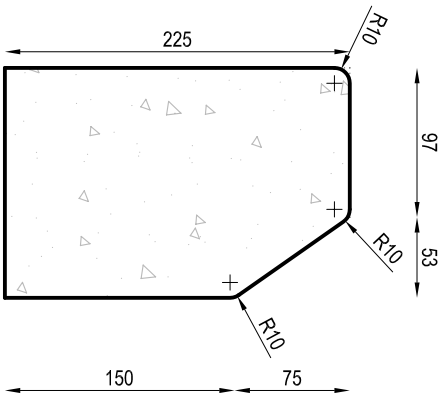


ELEVATION OF CURB STONE AT EDGE OF WEDGE FOR WHEELCHAIR Scale 1:10



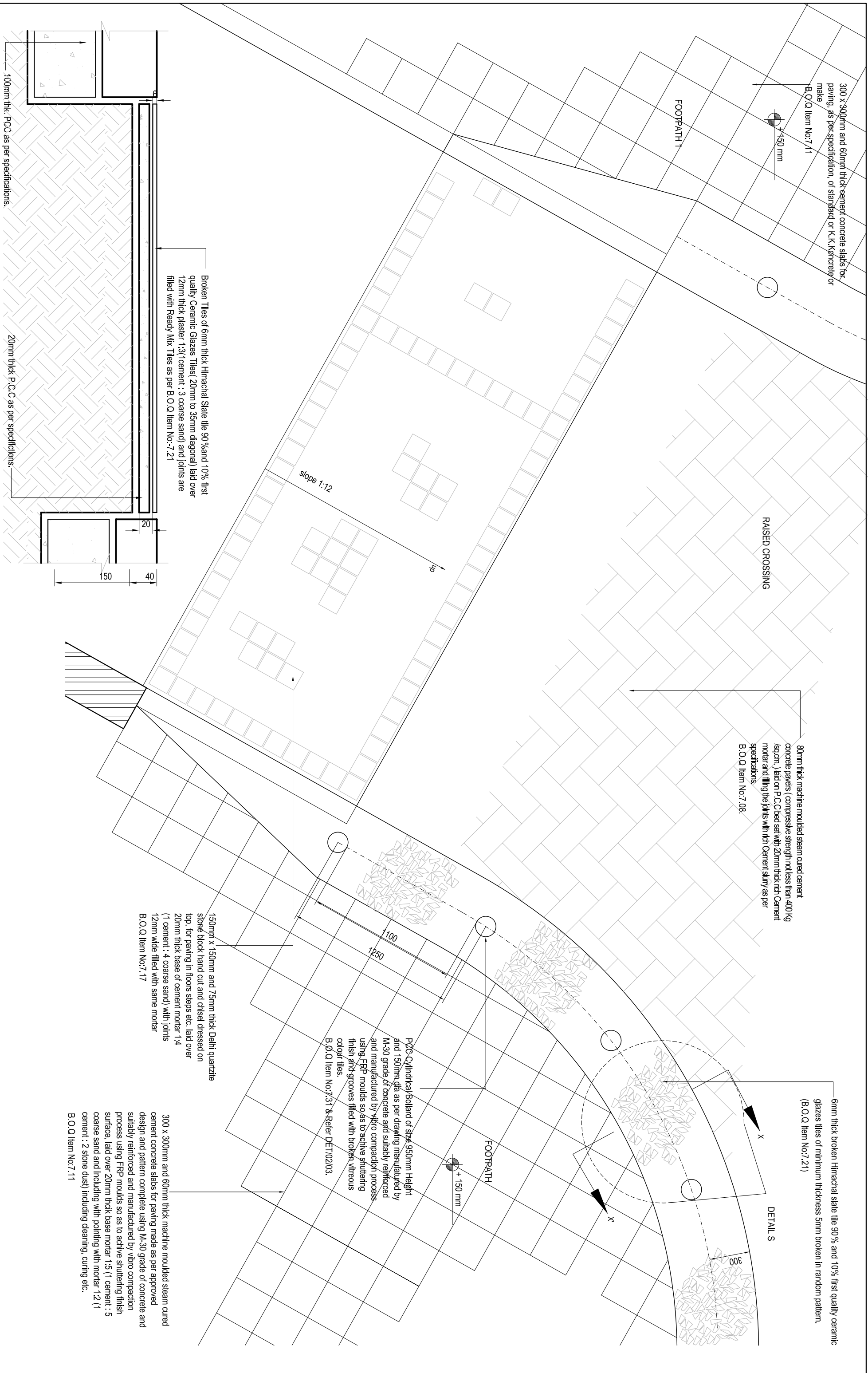
DETAIL AA'

CURB STONE FOR THE CYCLE TRACK



PROJECT: CONSTRUCTION OF HCBS for DIMMPTS Ltd. and Dept. of Transport, GNCTD AMBEDKAR NAGAR TO DELHI GATE New Delhi, INDIA		NOTE:  <	
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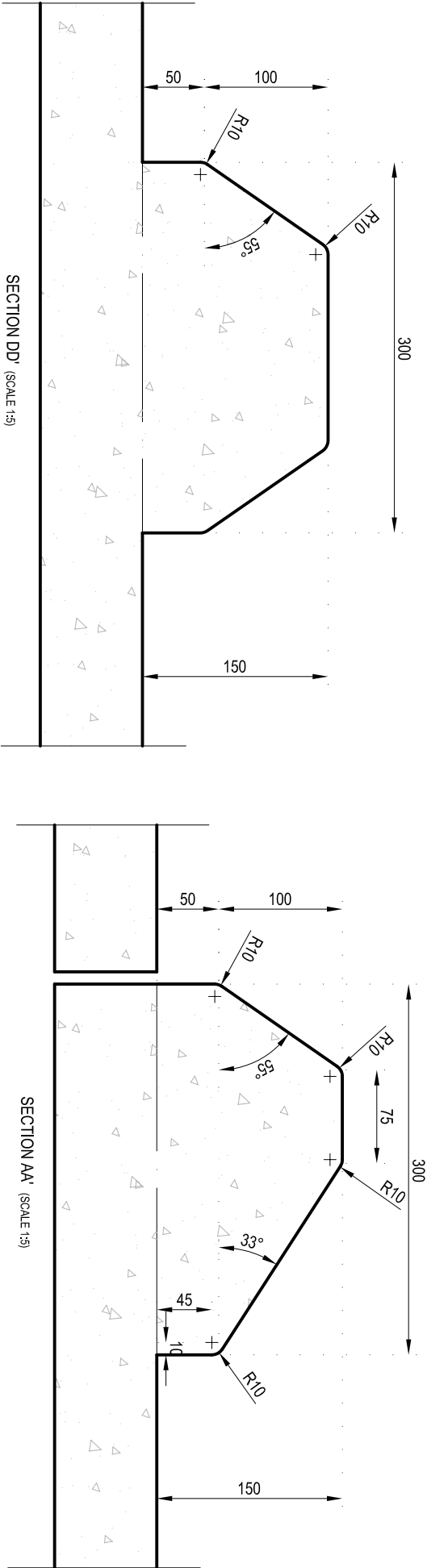
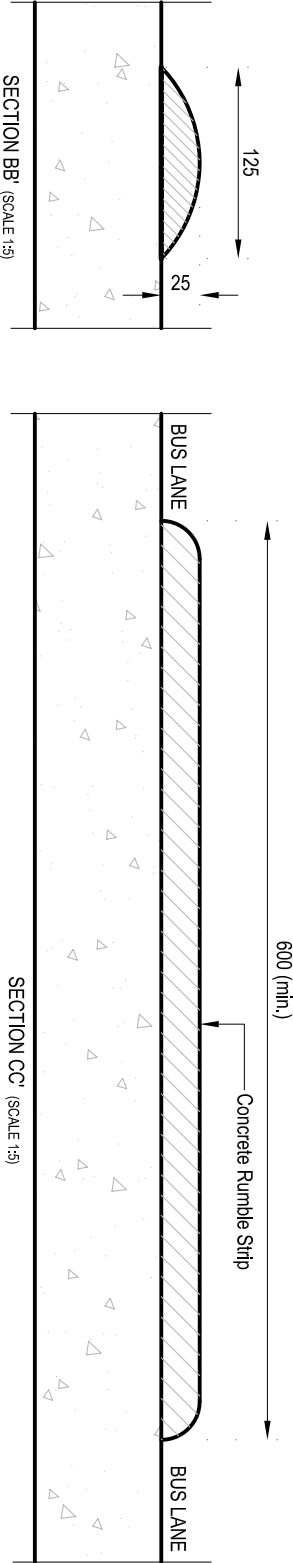
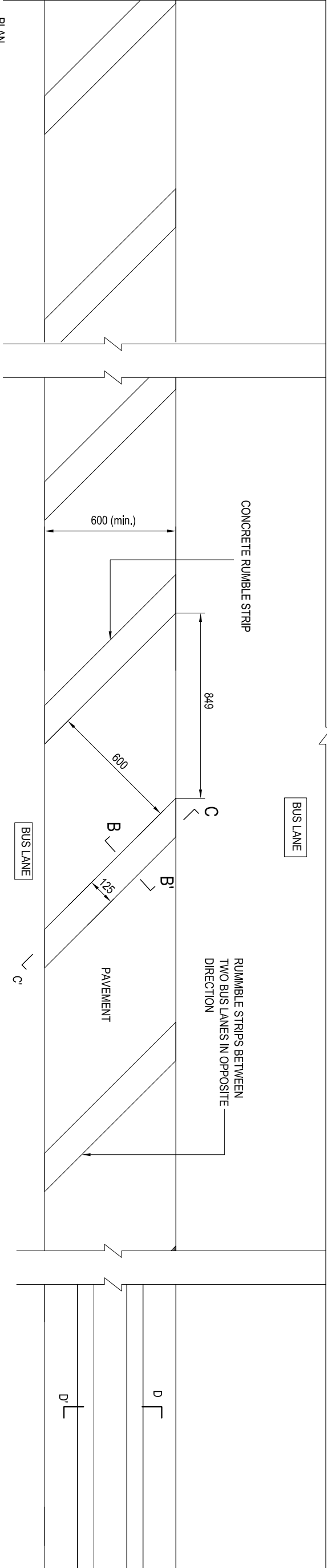
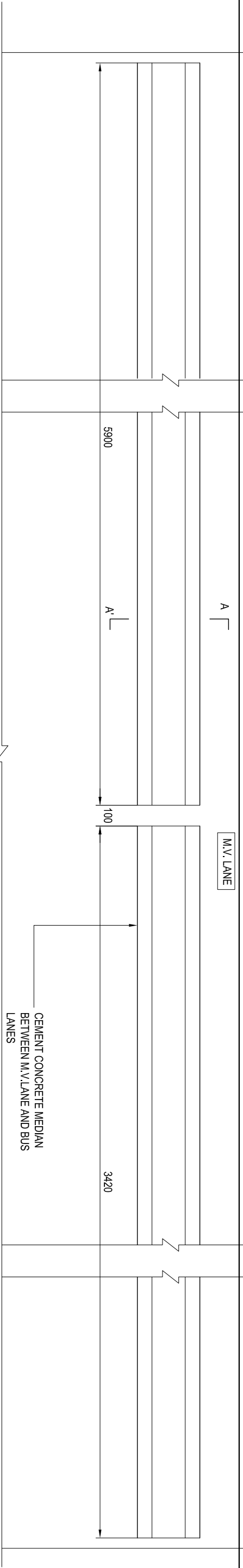


PROJECT: CONSTRUCTION OF HCBS for DIMMPTS Ltd. and Dept. of Transport, GNCTD AMBEDKAR NAGAR TO DELHI GATE New Delhi, INDIA		NOTE:			
				In case of any discrepancy between the drawing and BOQ item, (as per the final tender document) the same would be referred to the Dy. CPM Rites for clarification and approval by the contractor before execution at site	
DWG No.		HCB/AN-D/G/DET/02		SHEET NO. 02	
DIMENSION IN Millimeters		BOQ ITEM NO.		DRAWN BY: ARCH. IJUS	
REVISION : 00		7.1, 7.1, 7.7, 1.8, 7.2, 1.7 3.1		DY. CPM/RITES	
REVISION DATE 00/00/00		PD/RITES		TITLE RAISED CROSSING	
		SCALE : 1:10		APPROVED BY :	
		DATE : 11/10/06		GM./UT/RITES	
		ACAD : Raised Crossing			
		TEL : 011 - 42147321		DESIGN SERVICE <b>I'us</b> Designs Combine	
		CONSULTANT <b>TRIP</b>		GURGAON 0124-2818709	
		IIT, DELHI		011-26596351	

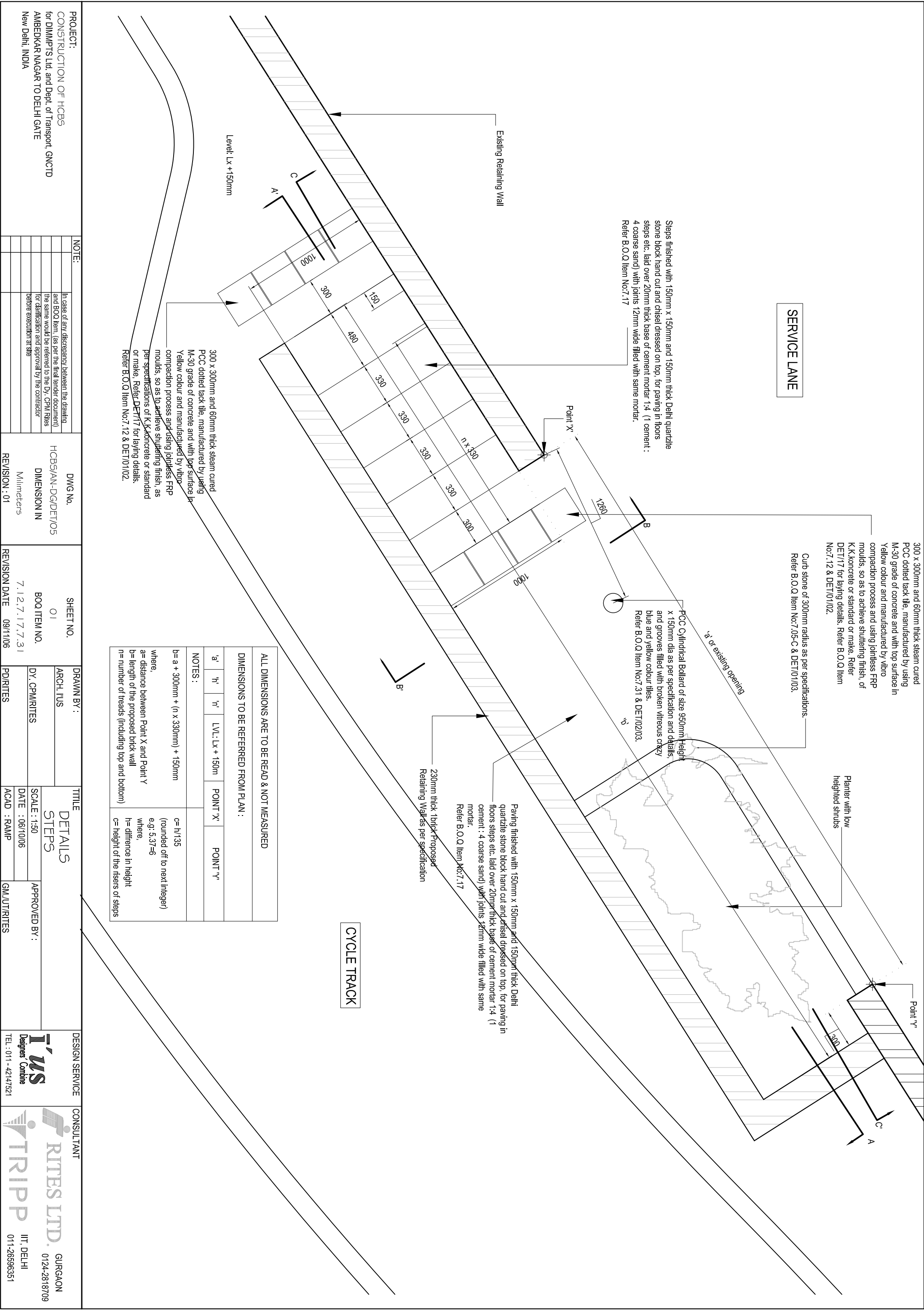




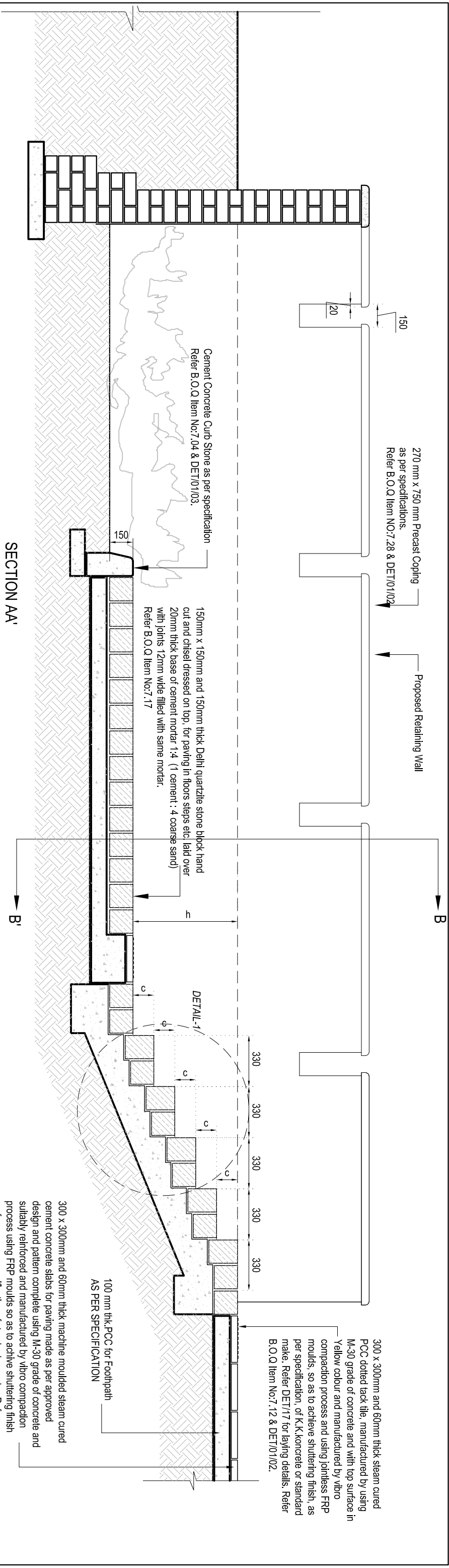




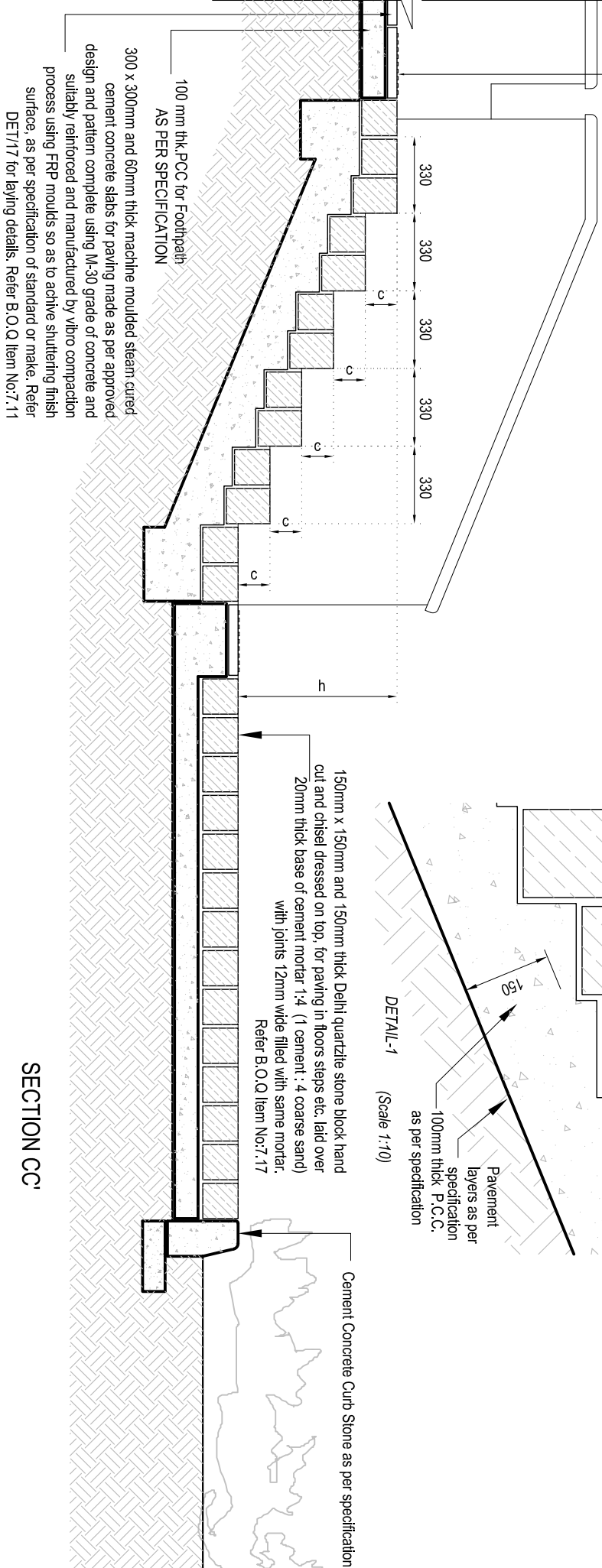
PROJECT: CONSTRUCTION OF HCBS for DIMMPTS Ltd. and Dept. of Transport, GNCTD AMBEDKAR NAGAR TO DELHI GATE New Delhi, INDIA				NOTE: <div>In case of any discrepancy between the drawing and BOQ Item, (as per the final tender document) the same would be referred to the Dy. CPM/Rites for identification and approved by the contractor before execution at site</div>		DWG No. HCBS/AN-DG/DET/07 DIMENSION IN Meters		SHEET NO. 01 BOQ ITEM NO.		DRAWN BY : ARCH. IUS		TITLE MEDIAN & RUMBLE STRIP		DESIGN SERVICE i'us Designers' Combine TEL : 011 - 42147521		CONSULTANT RITES LTD. GURGAON TRIPP IIT, DELHI 0124-2818709 011-26586351	
REVISION : 00				REVISION DATE 00/00/00		PD/RITES		SCALE : 1:20 DATE : 11/10/06		APPROVED BY :		GM./UT/RITES					







300 x 300mm and 60mm thick steam cured PCC dotted tack tile, manufactured by using M-30 grade of concrete and with top surface in Yellow colour and manufactured by vibro compaction process and using jointless FRP moulds, so as to achieve shuttering finish, as per specification, of K.K.koncrete or standard or make. Refer DET/17 for laying details. Refer B.O.Q Item No:7.12 & DET/01/02.

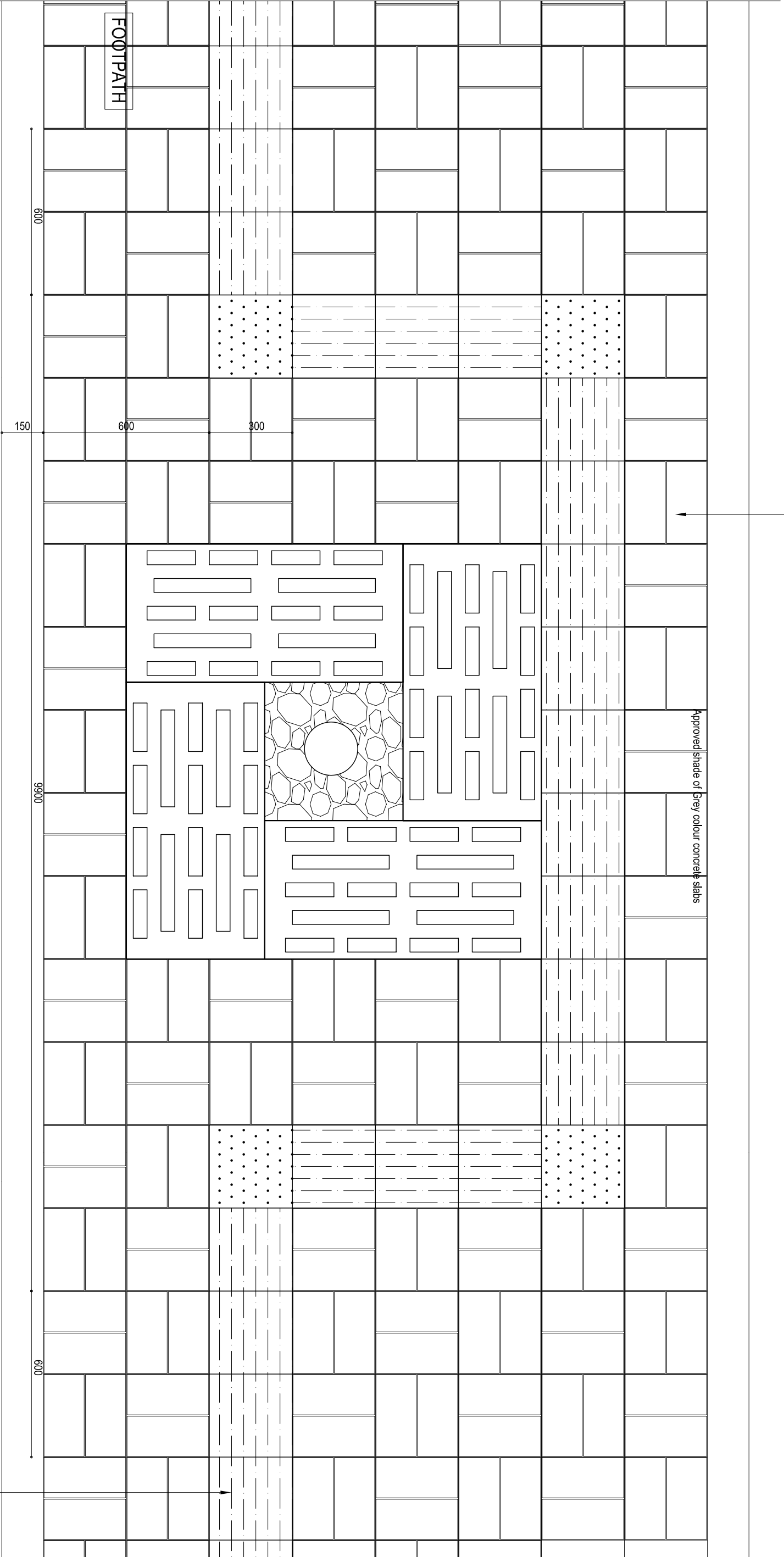


PROJECT:									
CONSTRUCTION OF HCBS for DIMMPTS Ltd. and Dept. of Transport, GNCTD AMBEDKAR NAGAR TO DELHI GATE New Delhi, INDIA									
NOTE:		DWG No.		SHEET NO.		DRAWN BY:		TITLE	
In case of any discrepancy between the drawing and BOQ Item, (as per the final tender document) the same would be referred to the Dy. CPM Rites for clarification and approval by the contractor before execution at site		HCBS/AN-DG/DET/05		02		ARCH. IUS		DETAILS STEPS	
		DIMENSION IN Millimeters		BOQ ITEM NO.		DY. CPM/RITES		APPROVED BY :	
		REVISION : 01		7.04.7.11.7.12.7.17.7		28		DATE : 06/10/06	
		REVISION DATE 09/11/06		PD/RITES		ACAD : RAMP		GM/UT/RITES	
								DESIGN SERVICE	
								CONSULTANT	
								RITES LTD. GURGAON	
								0124-2818709	
								IIT, DELHI	
								011-26596351	

SERVICE LANE



150 x 300mm and 60mm thick machine moulded steam cured cement concrete slabs for paving made as per approved design and pattern complete using M-30 grade of concrete and suitably reinforced and manufactured by vibro compaction process as per specifications. Refer B.O.Q Item No: 7.11

Approved shade of Grey colour concrete slabs

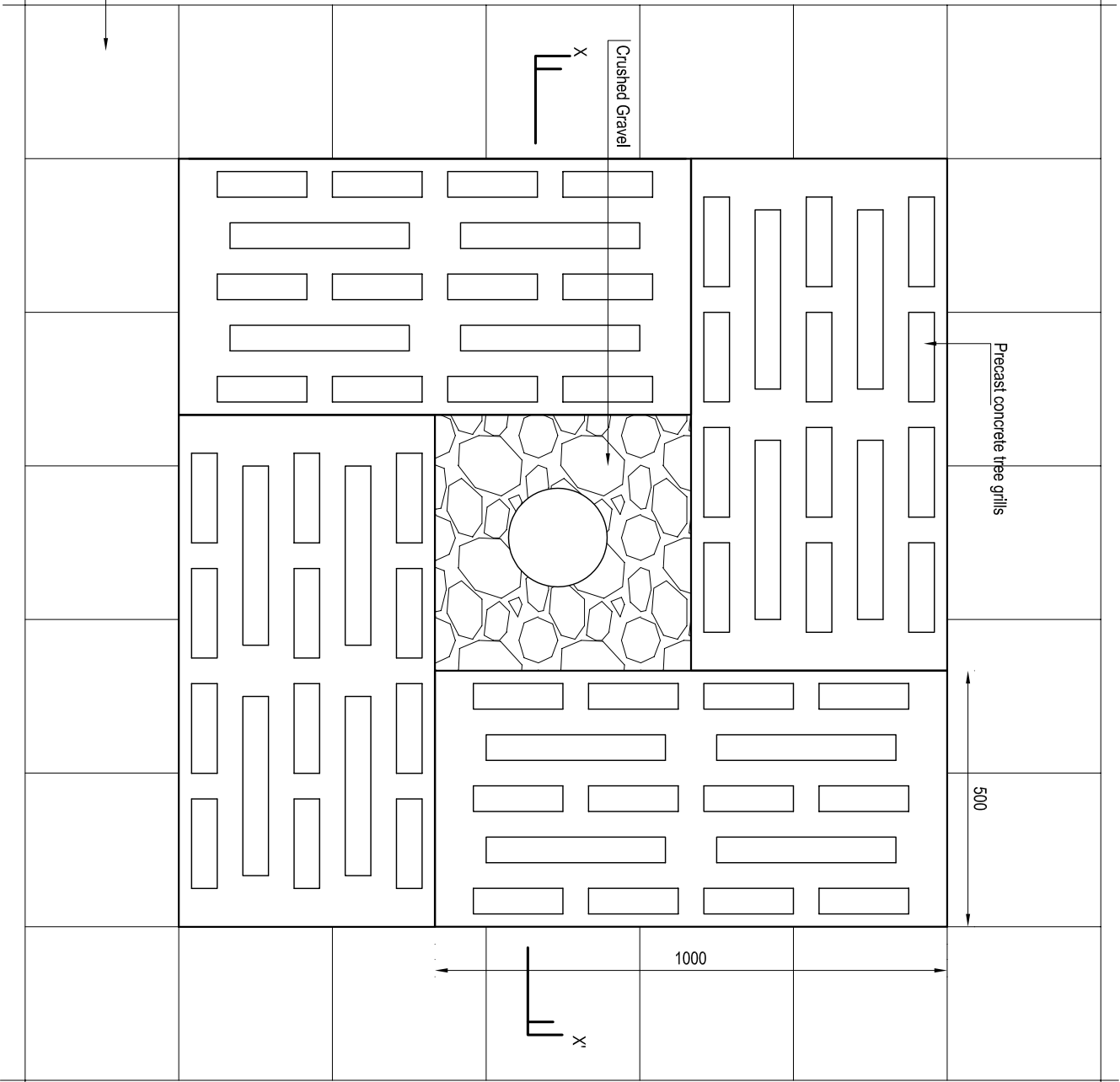


CYCLE TRACK

300 x 300mm and 60mm thick steam cured PCC directional blocks, manufactured by using M-30 grade of concrete and with top surface in Yellow colour and manufactured by vibro compaction process and using jointless FRP moulds, so as to achieve shuttering finish, of K.K.koncrete or standard make. B.O.Q Item No: 7.12 & Refer Del/0102.

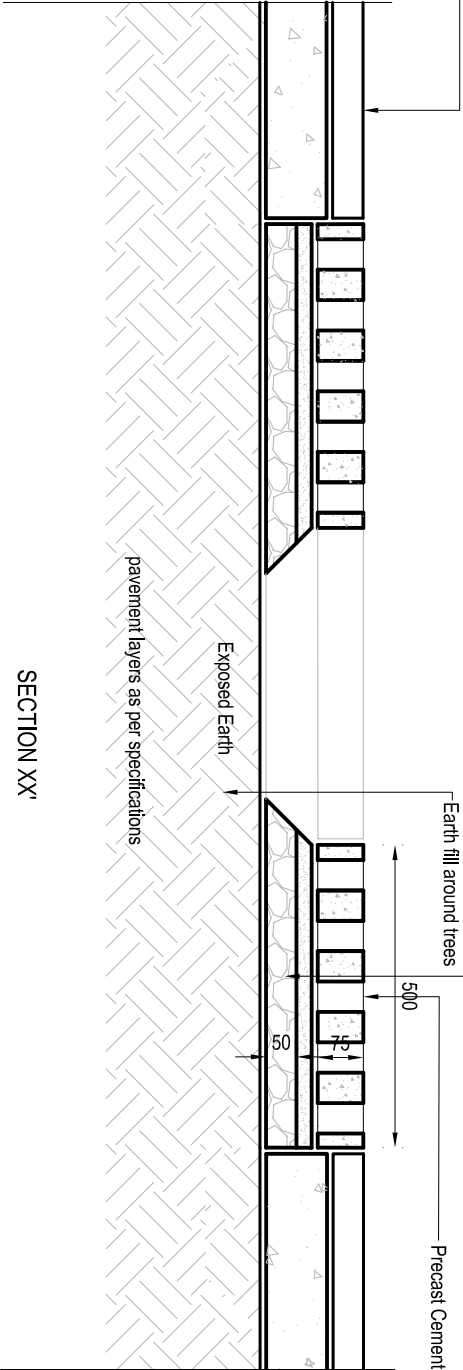
PROJECT: CONSTRUCTION OF HCBS for DIMMPTS Ltd. and Dept. of Transport, GNCTD AMBEDKAR NAGAR TO DELHI GATE New Delhi, INDIA	NOTE:	DWG No.	SHEET NO.	DRAWN BY :	TITLE	DESIGN SERVICE	CONSULTANT
		HCBS/AN-DG/DET/20	01	ARCH. IUS	DETAILS	 TEL : 011 -42147521	 GURGAON 0124-2818709
		DIMENSION IN	BOQ ITEM NO.	DY. CPM/RTES	Tactile with Tree Guard		
		Millimeters	7.04, 7.11		SCALE : 1:15		
		REVISION : 02/05/07	REVISION DATE 00/00/00	PD/RTES	DATE :		
					ACAD : Tactile & tree guardGM/UT/RTES		



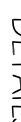




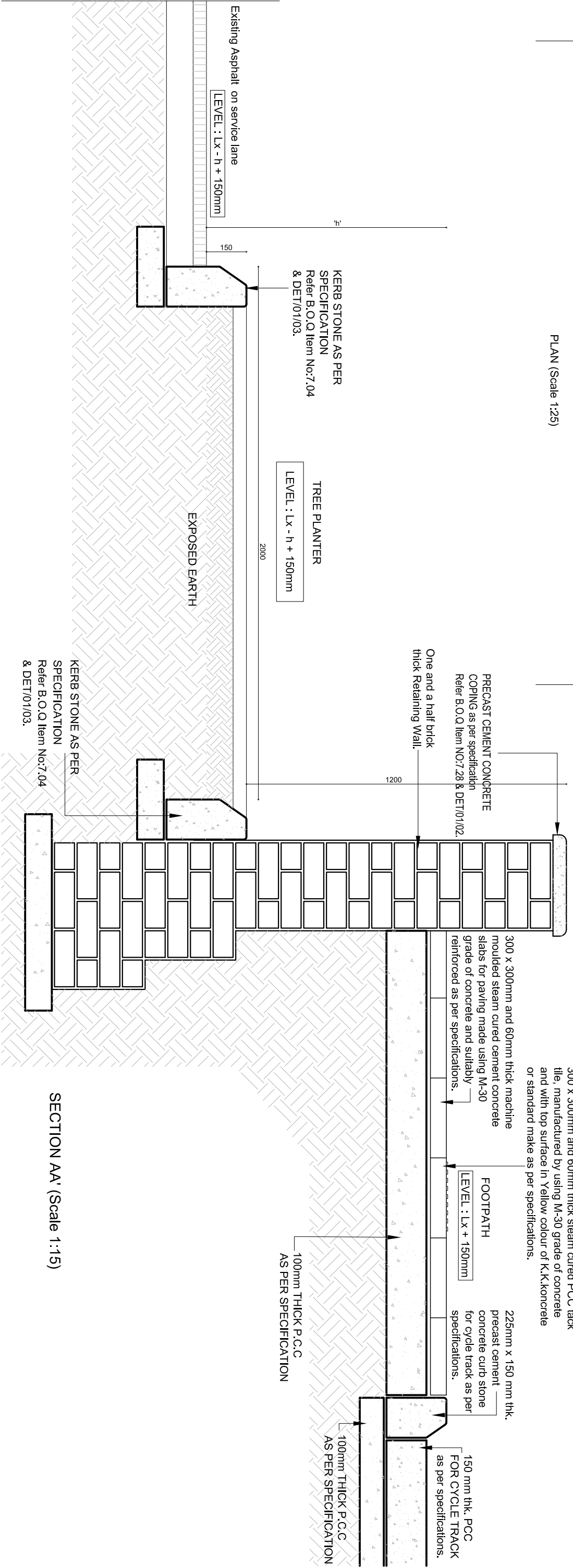
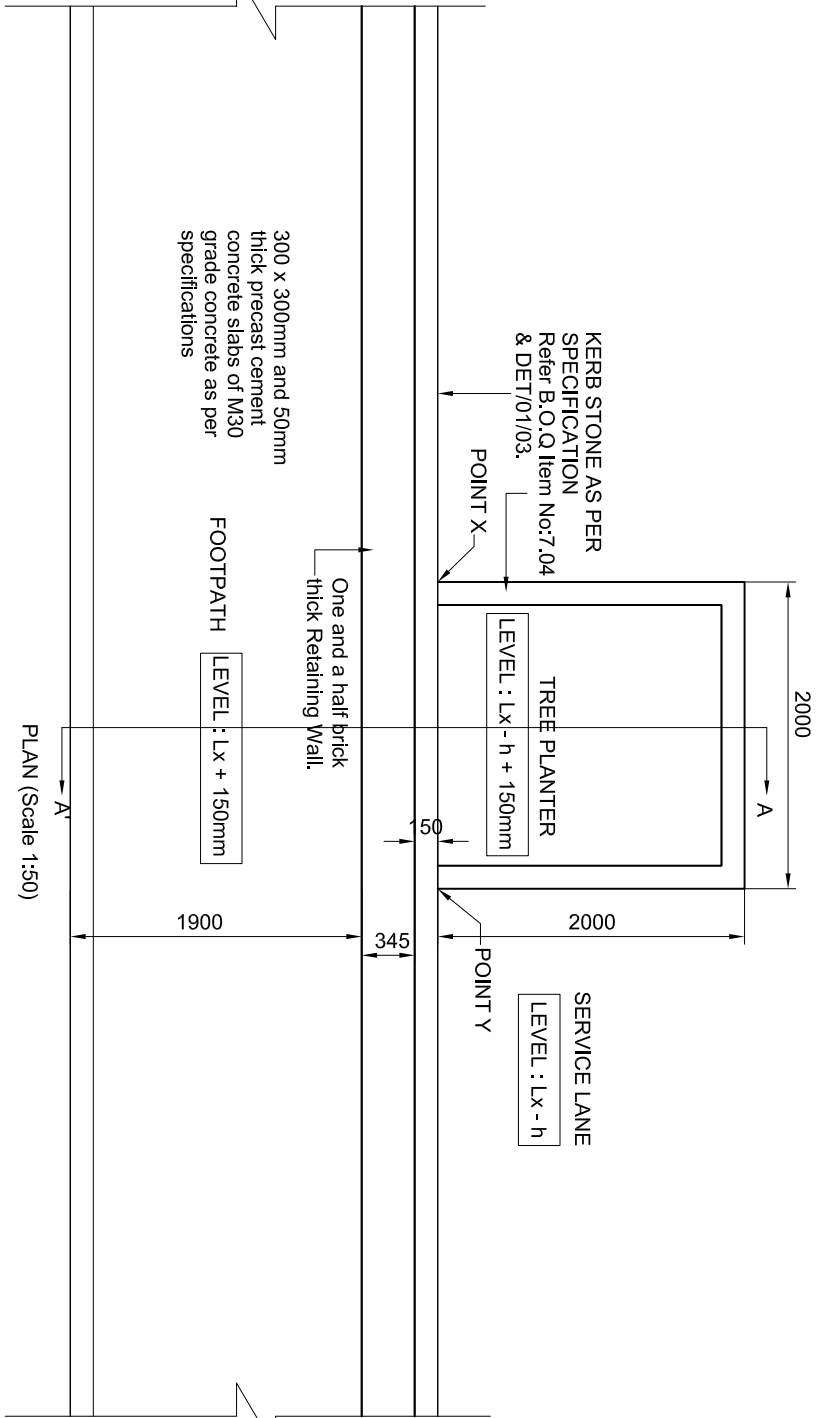
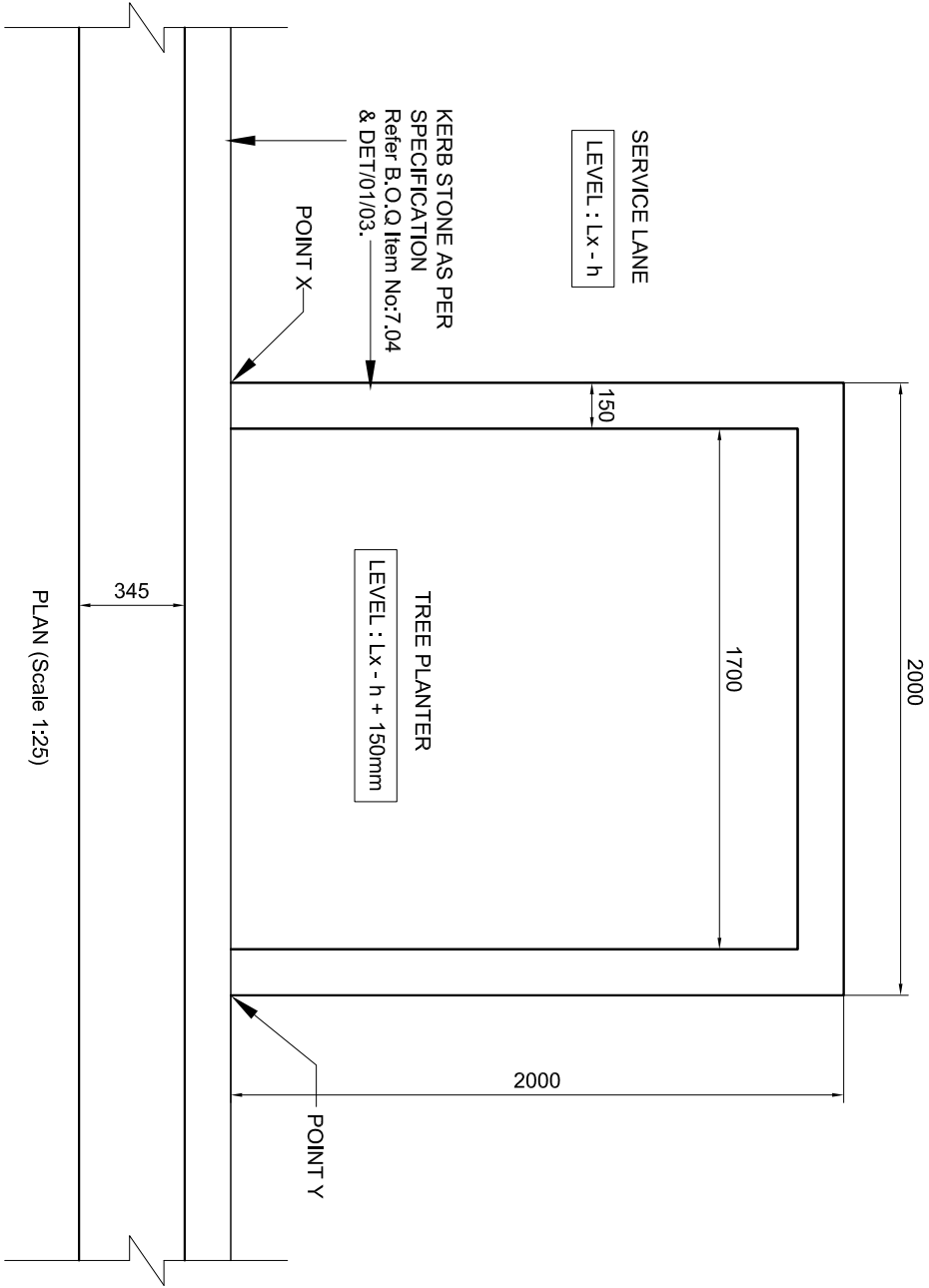
TREE GAURD

300 x 300mm x 60mm thick machine moulded steam cured cement concrete slabs for paving made as per approved design and pattern complete using M-30 grade of concrete and suitably reinforced and manufactured by vibro compaction process using FRP moulds so as to achieve shuttering finish surface, laid over 20mm thick base mortar 1:5 (1 cement : 5 coarse sand and including with pointing with mortar 1:2 (1 cement : 2 stone dust) including cleaning, curing etc.



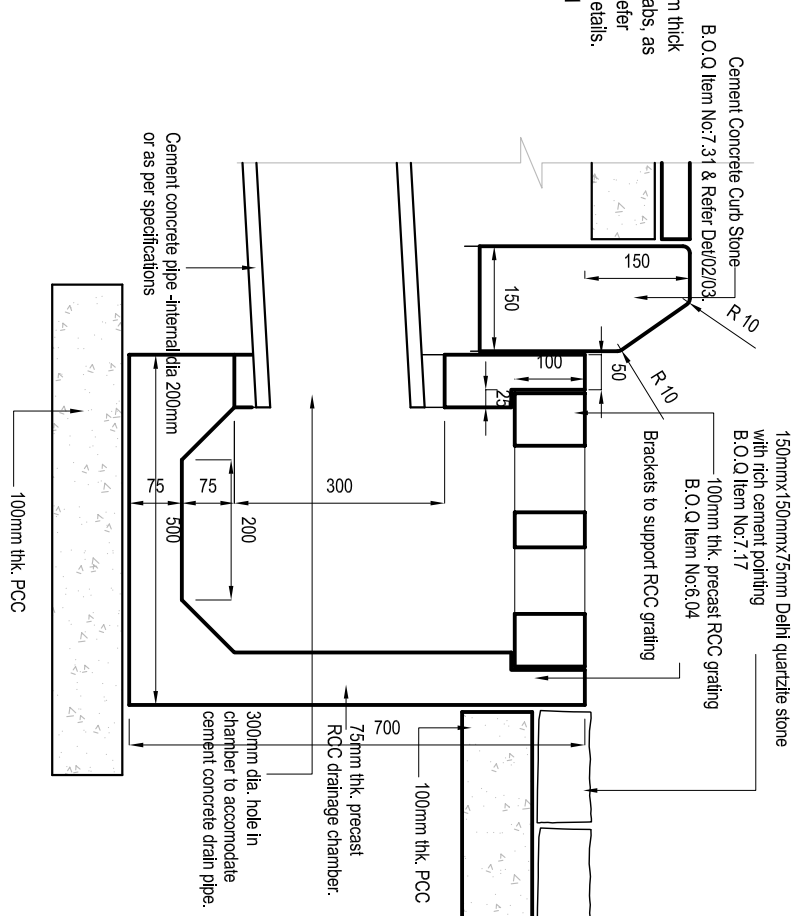
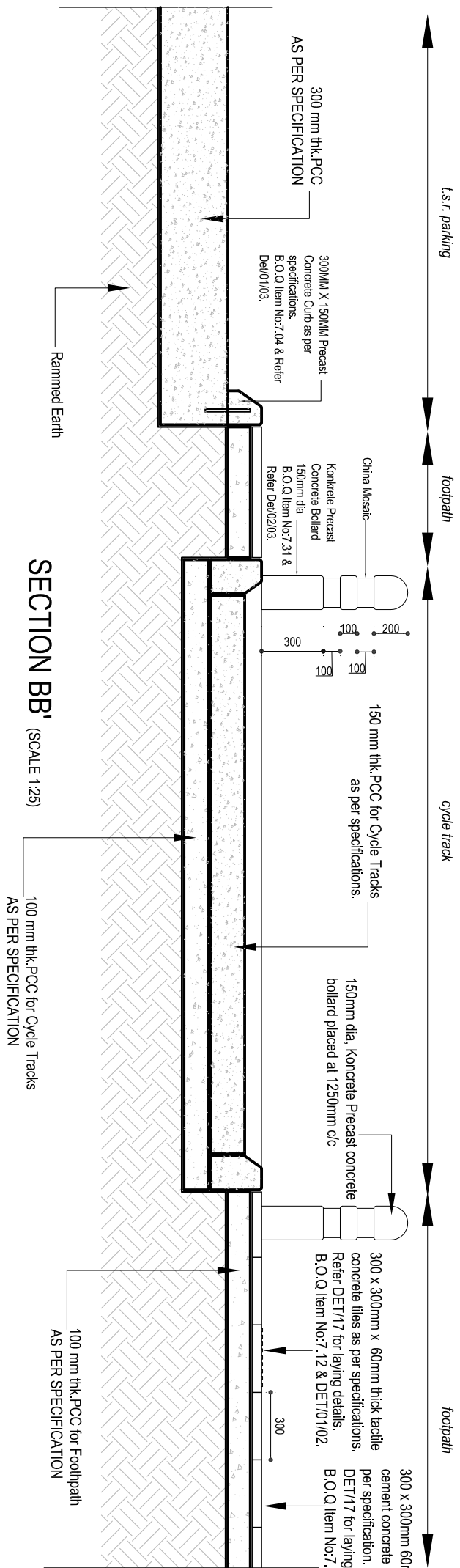
SECTION XX'

PROJECT: CONSTRUCTION OF HCBS for DIMMPTS Ltd. and Dept. of Transport, GNCTD AMBEDKAR NAGAR TO DELHI GATE New Delhi, INDIA	NOTE:		DWG No.		SHEET NO.		DRAWN BY :		TITLE		DESIGN SERVICE	CONSULTANT	
			HCBS/AN-DG/DET/1/4		01		ARCH. I/US		DETAILS		 TEL : 011 - 42147521	 GURGAON 0124-2818709	 IIT, DELHI 011-26596351
			DIMENSION IN		BOQ ITEM NO.				TREE GUARD				
			Millimeters				DY. CPM/ITES		SCALE : 1:12.5				
									DATE :				
									ACAD : Tree Guard				

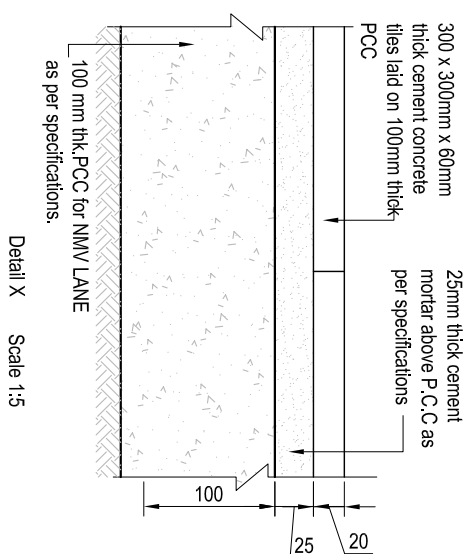


PROJECT: CONSTRUCTION OF HCBS for DIMMPTS Ltd. and Dept. of Transport, GNCTD AMBEDKAR NAGAR TO DELHI GATE New Delhi, INDIA				NOTE: <div>In case of any discrepancy between the drawing and BOQ item, (as per the final tender document) the same would be referred to the Dy. CPM/Rites for clarification and approval by the contractor before execution at site</div>		DWG No. HCBS/AN-DG/DET/16 DIMENSION IN Millimeters	SHEET NO. 01 BOQ ITEM NO. 7.04, 7.11, 7.12	REVISION : 00	REVISION DATE 00/00/00	DRAWN BY : ARCH. IUS		TITLE TREE PLANTER AT SERVICE LANE		DESIGN SERVICE I'us Designs Combine TEL : 011 - 42147521	CONSULTANT RITES LTD. GURGAON 0124-2818709 TRIPP IIT, DELHI 011-26596351
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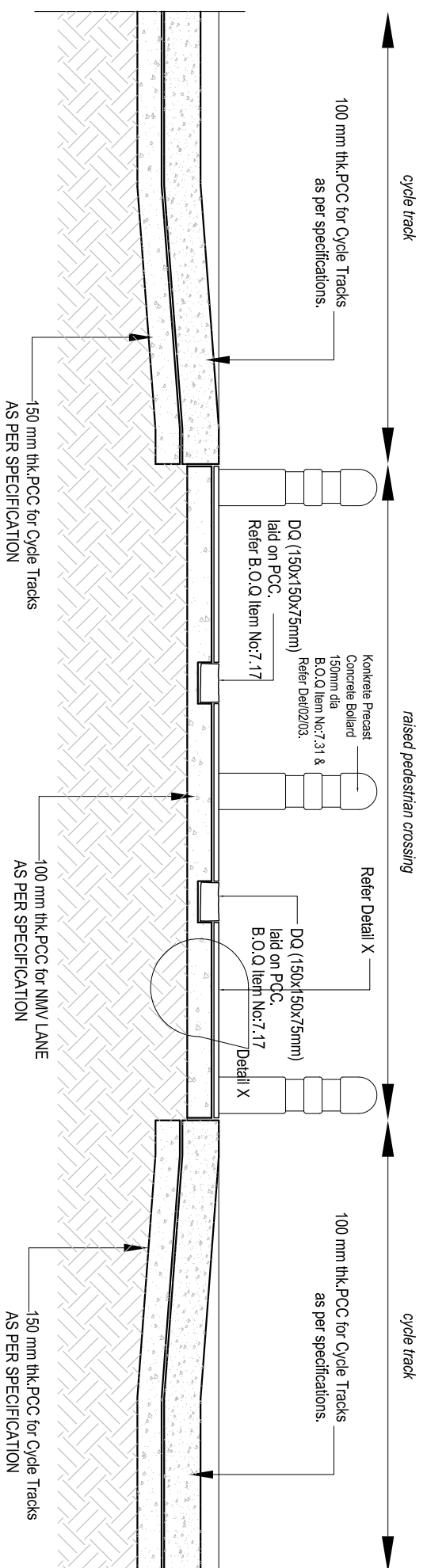




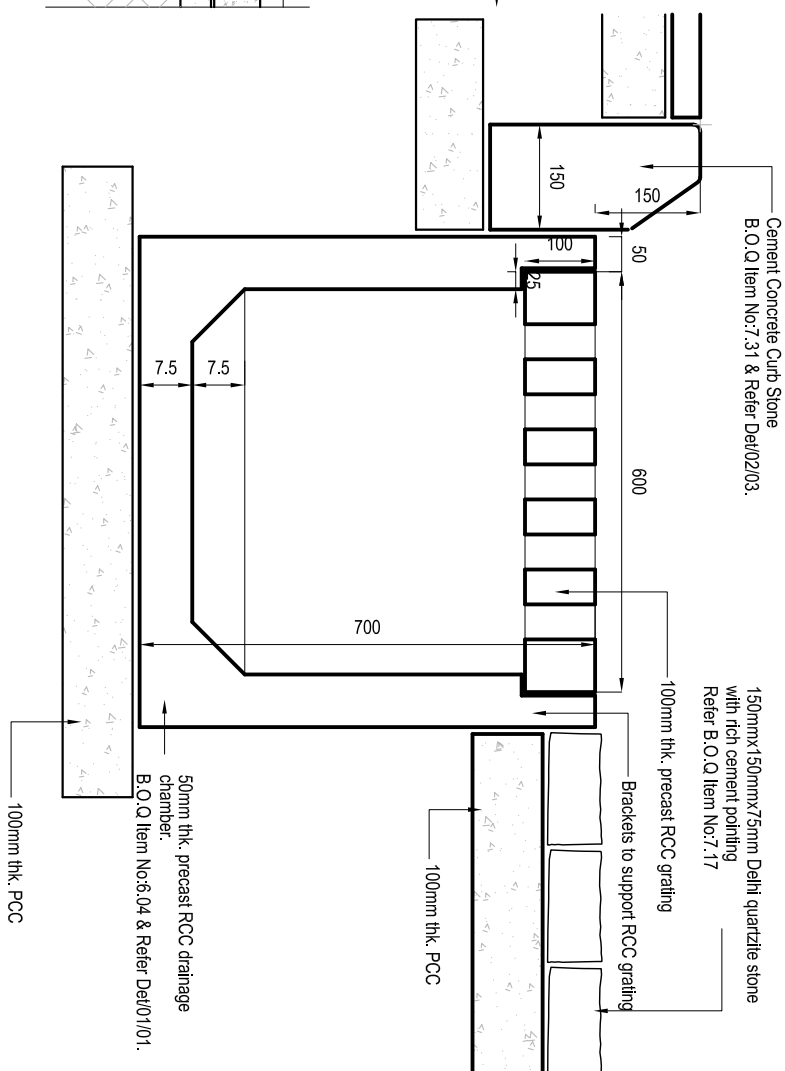
SECTION DD' (SCALE 1:10)



Detail X      Scale 1:5



## SECTION CC' (SCALE 1:25)



SECTION EE' (SCALE 1:10)

PROJECT:		CONSTRUCTION OF HCBS for DIMMPTS Ltd. and Dept. of Transport, GNCTD AMBEDKAR NAGAR TO DELHI GATE New Delhi, INDIA	
NOTE:		In case of any discrepancy between the drawing and BOQ Item, (as per the final tender document) the same would be referred to the Dy. CPM Rites for clarification and approval by the contractor before execution at site	
DWG No.		HCBS/AN-DG/DET/03	
DIMENSION IN		BOQ ITEM NO.	
Millimeters		6, 04, 7, 04, 7, 11, 7, 12, 7, 17, 7, 3, 1	
REVISION : 01		SHEET NO. 02	
REVISION DATE		09/11/06	
DRAWN BY :		ARCH. IJUS	
DY. CPM/RITES		DETAILS T.S.R PARKING	
SCALE : 1:50		APPROVED BY :	
DATE : 11/10/06		GM./UT/RITES	
ACAD : T.S.R-Detail		PD/RITES	
DESIGN SERVICE		CONSULTANT	
 <b>T'us</b> Designs Combine TEL : 011 - 42147521		 <b>RITES LTD.</b> GURGAON 0124-2818709	
 <b>TRIPP</b> IIT, DELHI 011-26596351			



