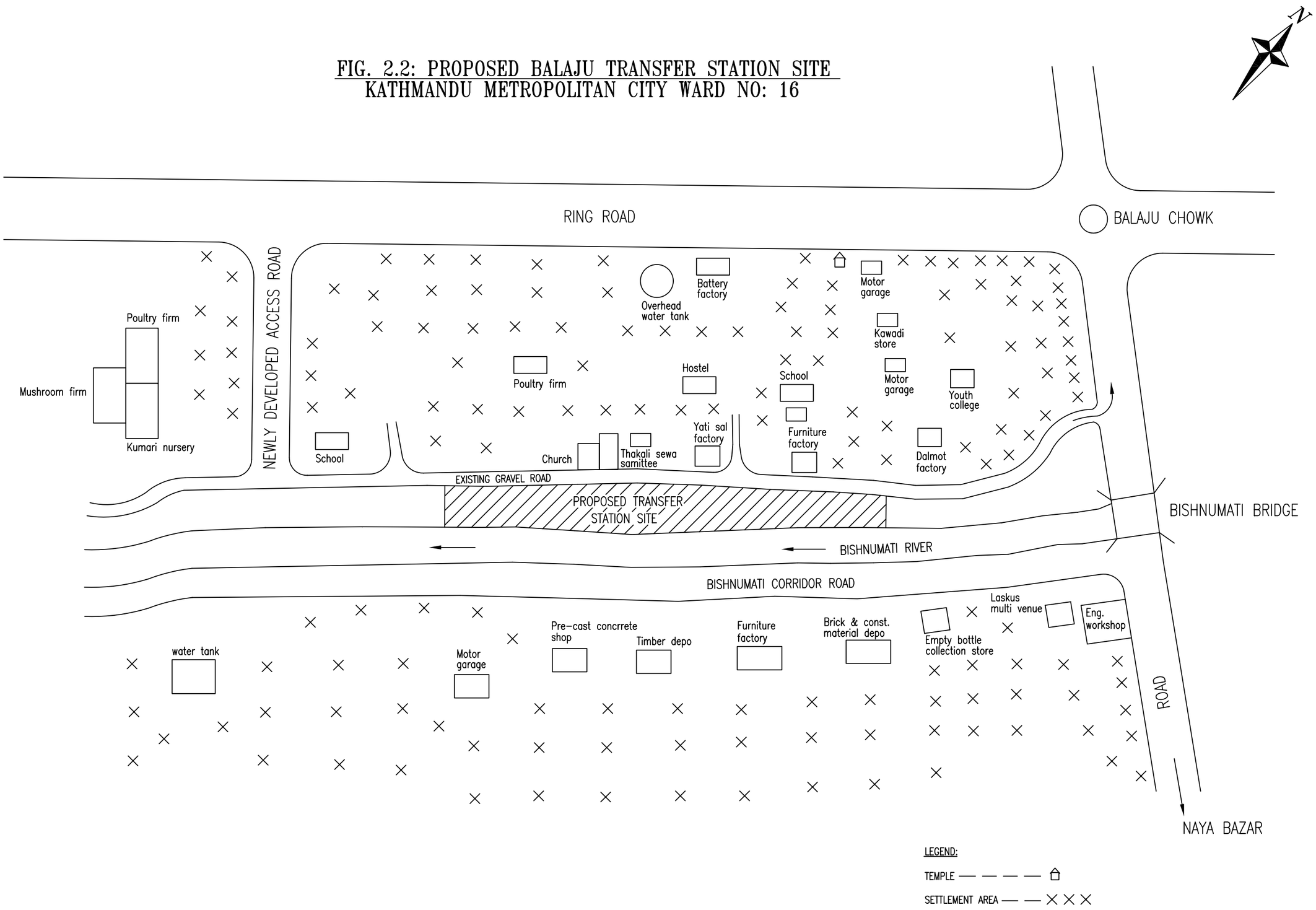
Drawings B

Drawing of Balaju Transfer Station

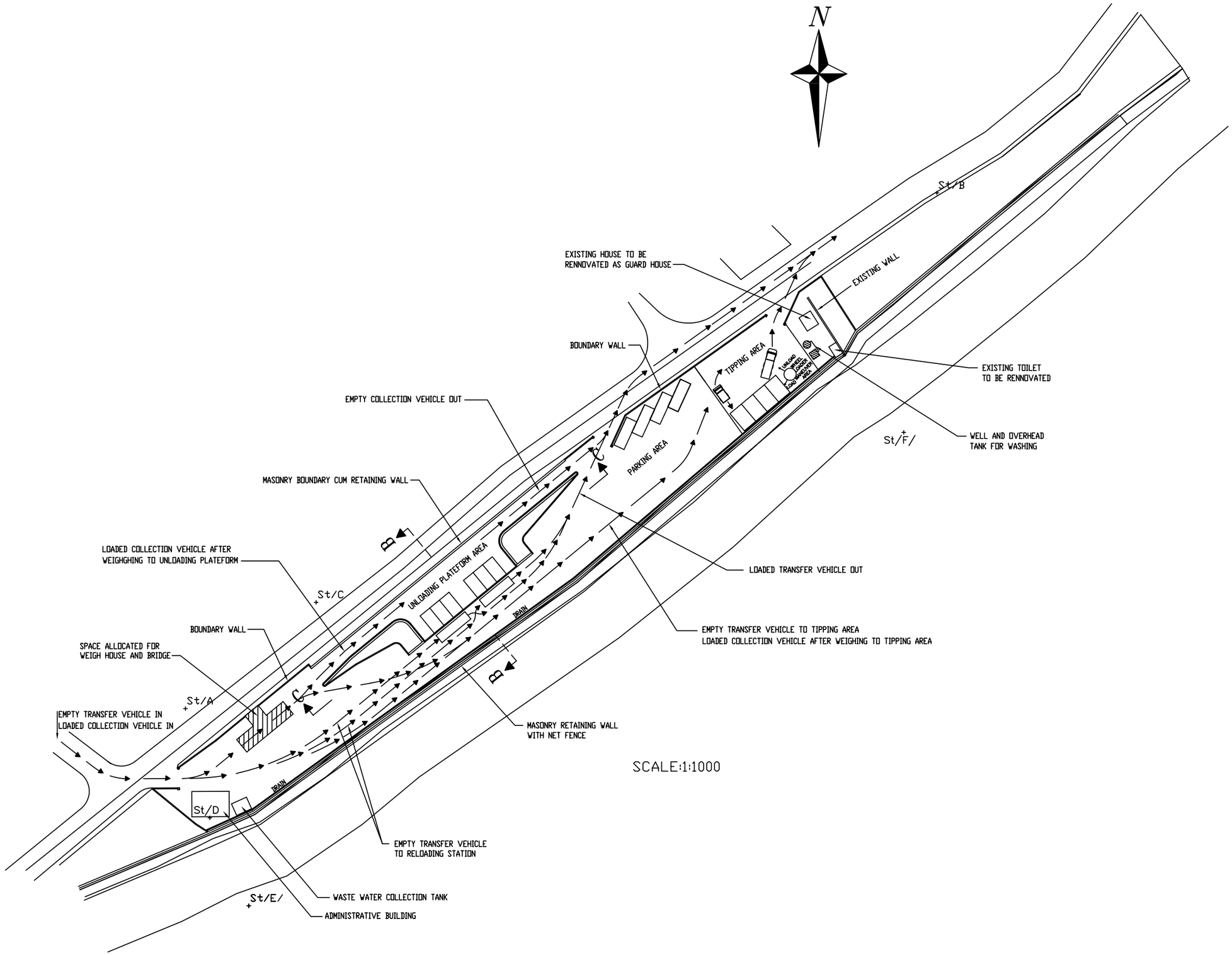
CONTENTS

THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY	DATE: March 2006	TABLE OF CONTENTS BALAJU TRANSFER STATION	DRAWING No. BL-00

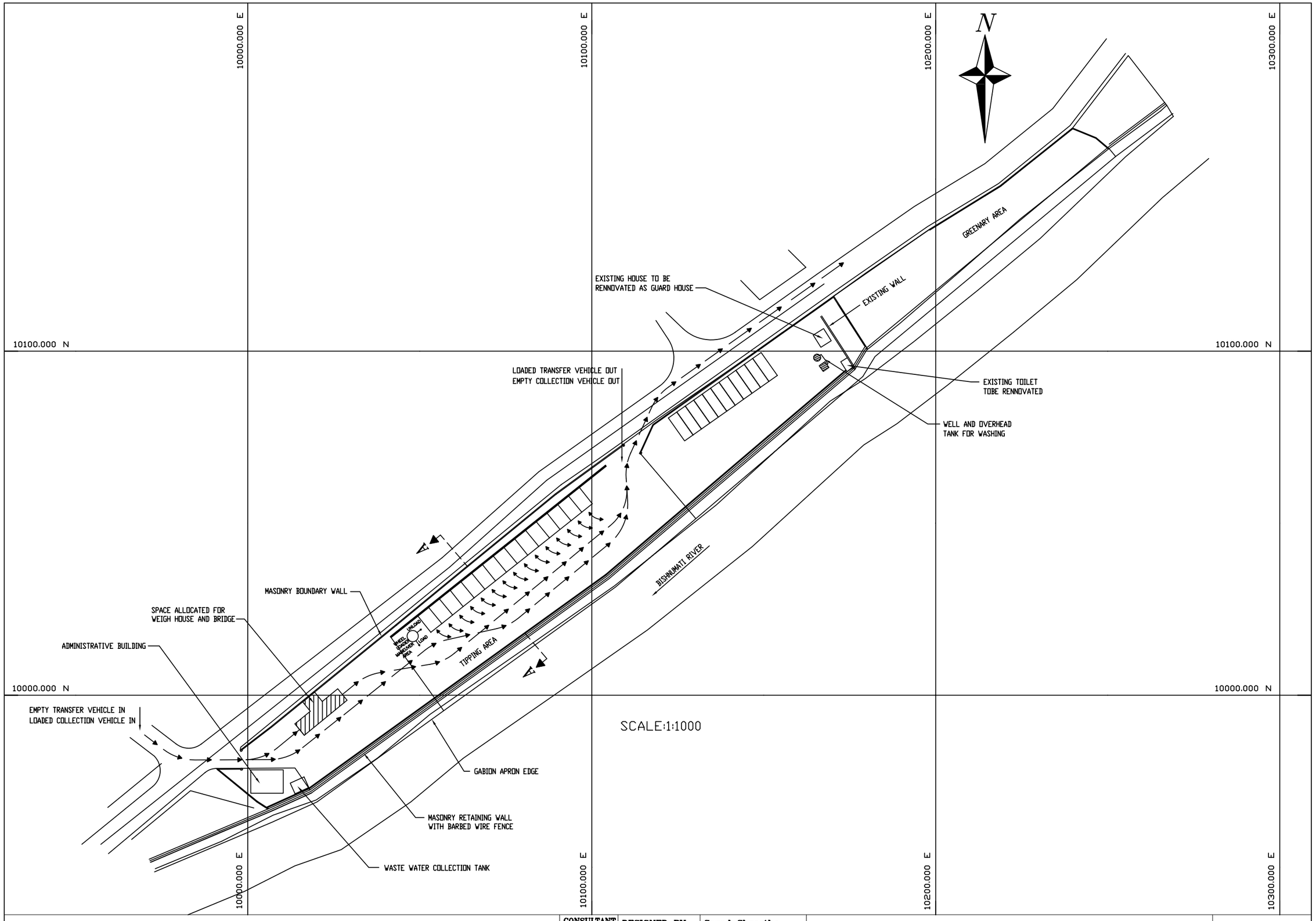
FIG. 2.2: PROPOSED BALAJU TRANSFER STATION SITE
KATHMANDU METROPOLITAN CITY WARD NO: 16



THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY	CONSULTANT	DESIGNED BY:	Sarad Shrestha	LOCATION PLAN BALAJU TRANSFER STATION
		DRAWN BY:	D. R. Sedhain	DRAWING No. BL-01
		CHECKED BY:	B. M. Shakya	
		DATE:	March, 2006	



THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY	CONSULTANT	DESIGNED BY:	Sarad Shrestha	ALTERNATIVE 1 – FINAL LAYOUT PLAN BALAJU TRANSFER STATION	DRAWING No. BL-02
		DRAWN BY:	D. R. Sedhain		
		CHECKED BY:	B. M. Shakya		
		DATE:	March, 2006		



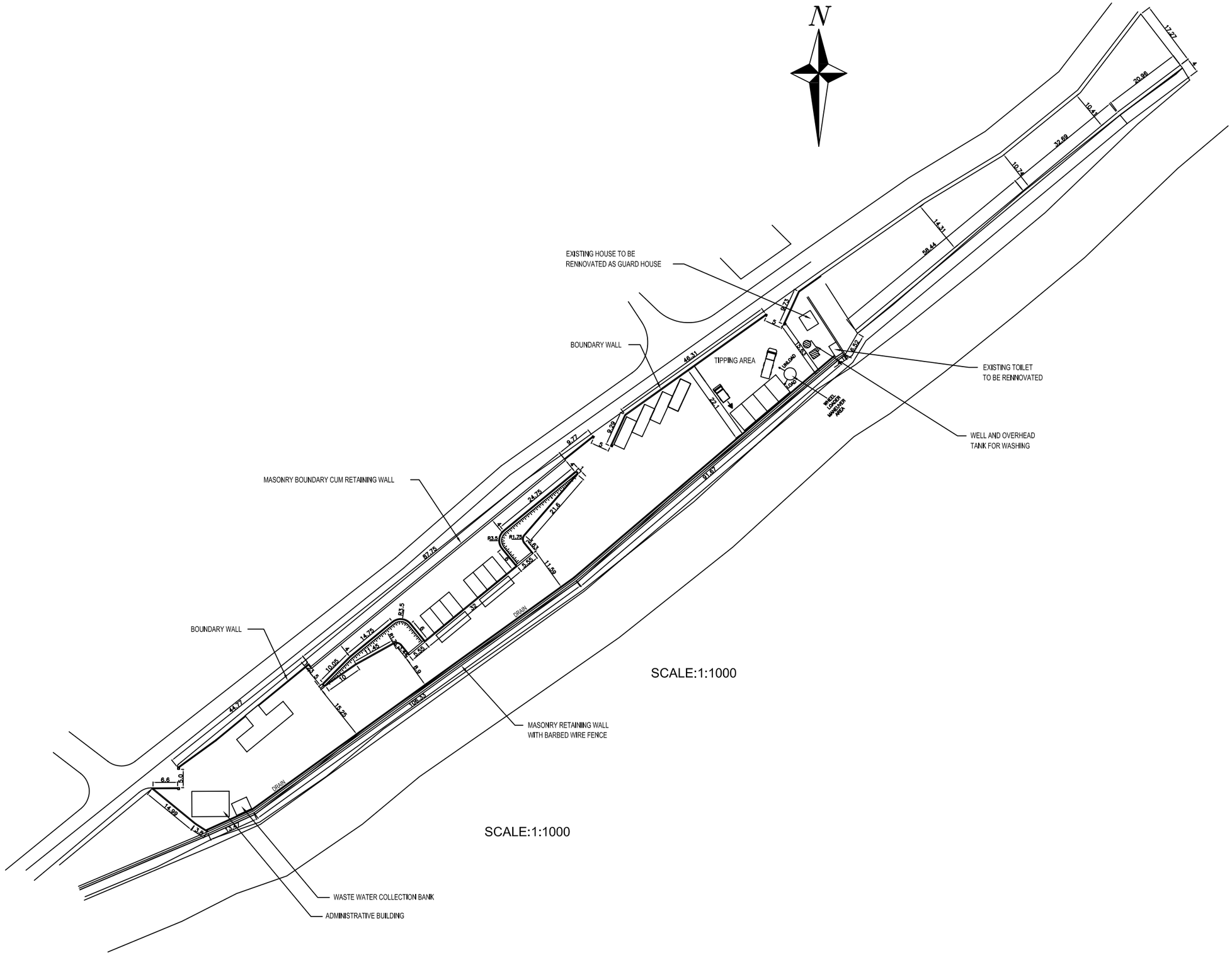
THE STUDY ON THE SOLID WASTE MANAGEMENT
FOR THE KATHMANDU VALLEY

CONSULTANT

DESIGNED BY:	Sarad Shrestha
DRAWN BY:	D. R. Sedhain
CHECKED BY:	B. M. Shakya
DATE:	March, 2006

ALTERNATIVE-5 FINAL LAYOUT PLAN
WITH TIPPING AREA ONLY
BALAJU TRANSFER STATION

DRAWING No.
BL-03



THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY	CONSULTANT: CEMAT CONSULTANTS 2033	DESIGNED BY:	Sarad Shrestha	DETAIL LAYOUT PLAN BALAJU TRANSFER STATION	DRAWING No. BL-04
		DRAWN BY:	D. R. Sedhain		
		CHECKED BY:	B. M. Shakya		
		DATE:	March, 2006		

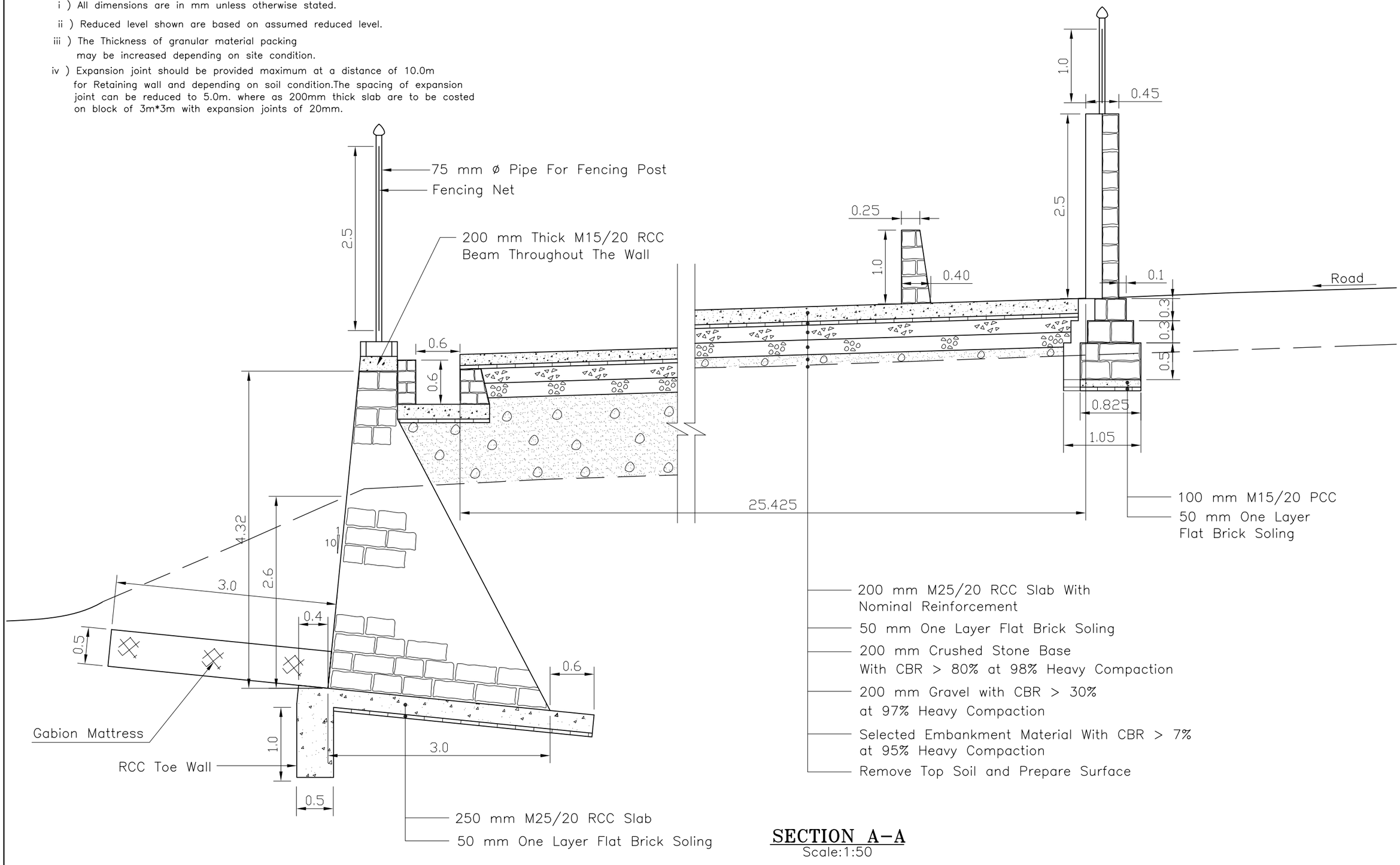
NOTE:

i) All dimensions are in mm unless otherwise stated.

ii) Reduced level shown are based on assumed reduced level.

iii) The Thickness of granular material packing may be increased depending on site condition.

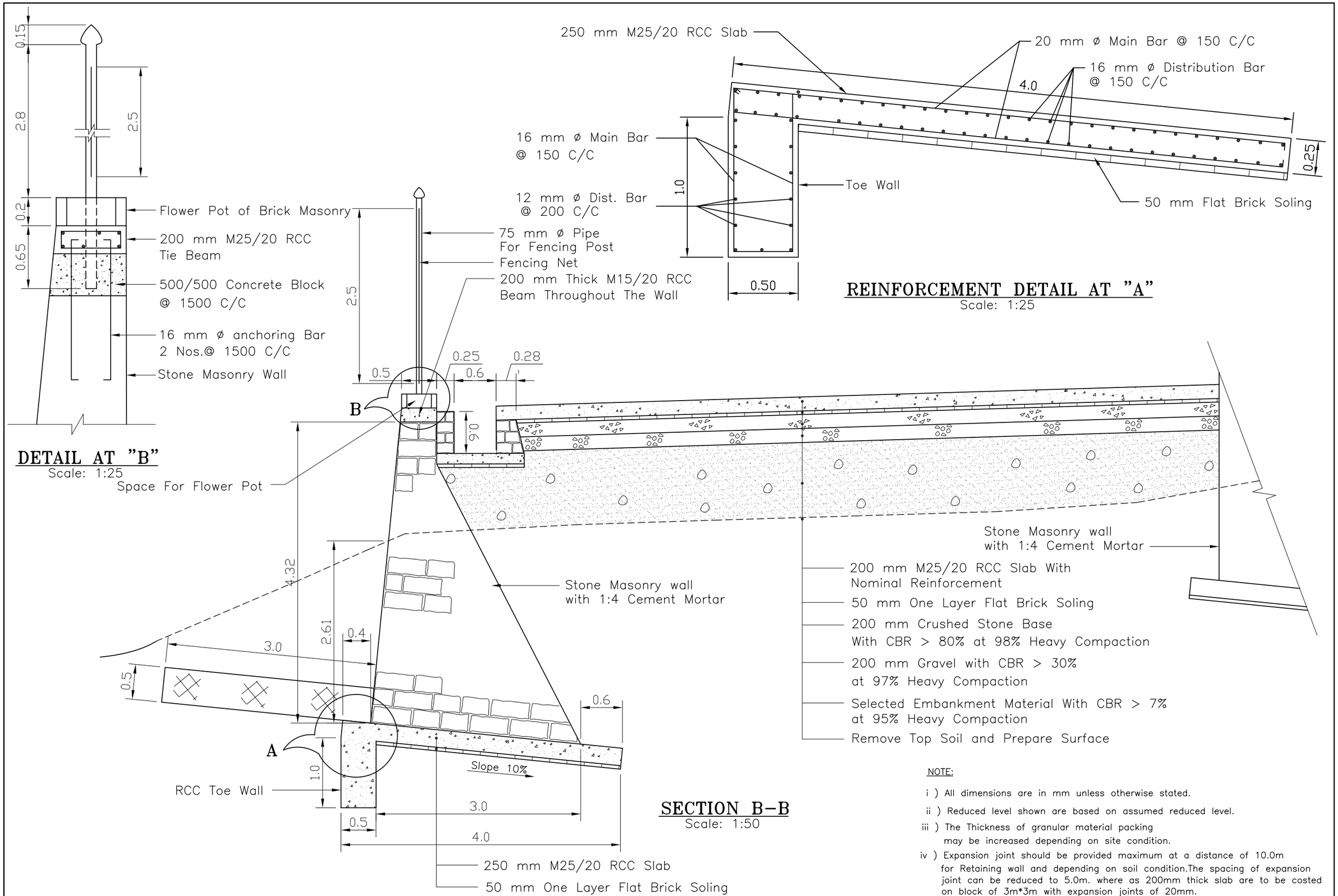
iv) Expansion joint should be provided maximum at a distance of 10.0m for Retaining wall and depending on soil condition.The spacing of expansion joint can be reduced to 5.0m. where as 200mm thick slab are to be costed on block of 3m*3m with expansion joints of 20mm.



SECTION A–A
Scale:1:50

THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY	CONSULTANT	DESIGNED BY:	Sarad Shrestha	ALTERNATE 5 WALLS DETAIL
		DRAWN BY:	Shyam Shrestha	
		CHECKED BY:	B. M. Shakya	
		DATE:	March, 2006	BALAJU TRANSFER STATION

DRAWING No. BL–05



DETAIL AT "B"
Scale: 1:25

REINFORCEMENT DETAIL AT "A"
Scale: 1:25

SECTION B–B
Scale: 1:50

NOTE:

i) All dimensions are in mm unless otherwise stated.

ii) Reduced level shown are based on assumed reduced level.

iii) The Thickness of granular material packing may be increased depending on site condition.

iv) Expansion joint should be provided maximum at a distance of 10.0m for Retaining wall and depending on soil condition.The spacing of expansion joint can be reduced to 5.0m. where as 200mm thick slab are to be costed on block of 3m*3m with expansion joints of 20mm.

THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY

CONSULTANT

DESIGNED BY:	Sarad Shrestha
DRAWN BY:	Shyam Shrestha
CHECKED BY:	B. M. Shakya
DATE:	March, 2006

ALTERNATIVE 1
WALLS DETAIL
BALAJU TRANSFER STATION

DRAWING No.
BL–06

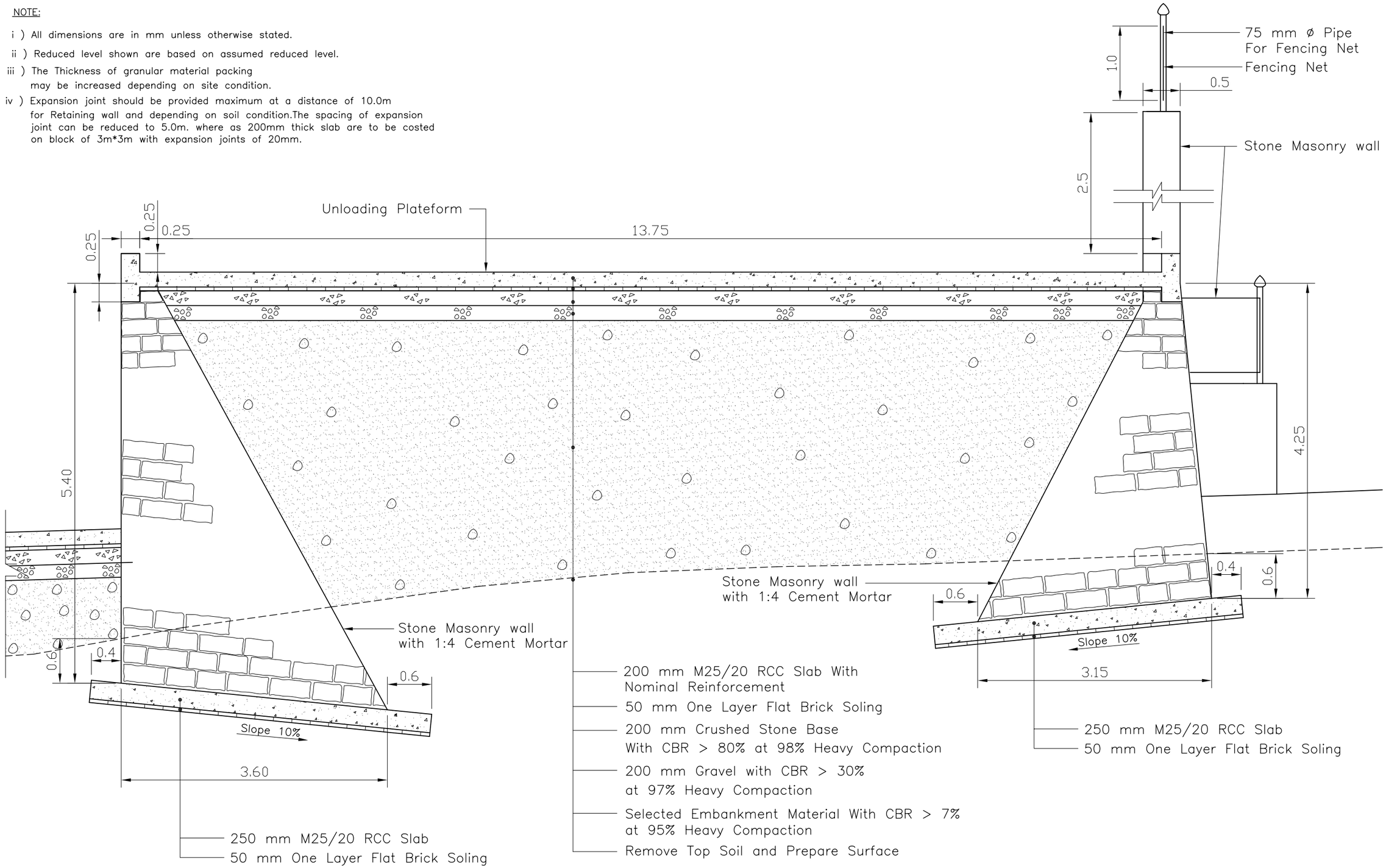
NOTE:

i) All dimensions are in mm unless otherwise stated.

ii) Reduced level shown are based on assumed reduced level.

iii) The Thickness of granular material packing may be increased depending on site condition.

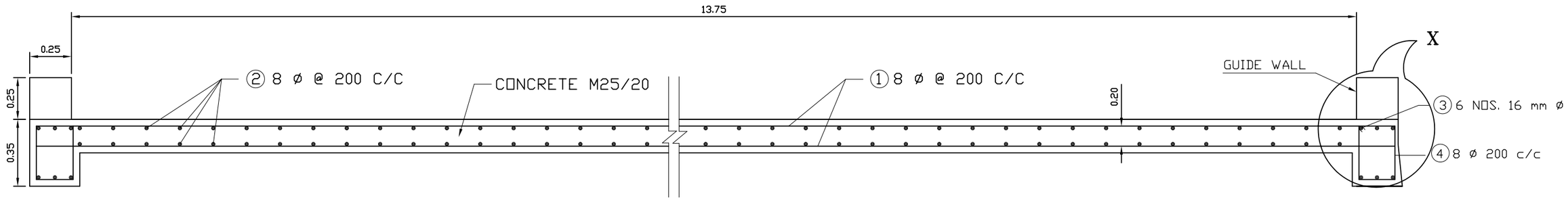
iv) Expansion joint should be provided maximum at a distance of 10.0m for Retaining wall and depending on soil condition.The spacing of expansion joint can be reduced to 5.0m. where as 200mm thick slab are to be costed on block of 3m*3m with expansion joints of 20mm.



SECTION B–B

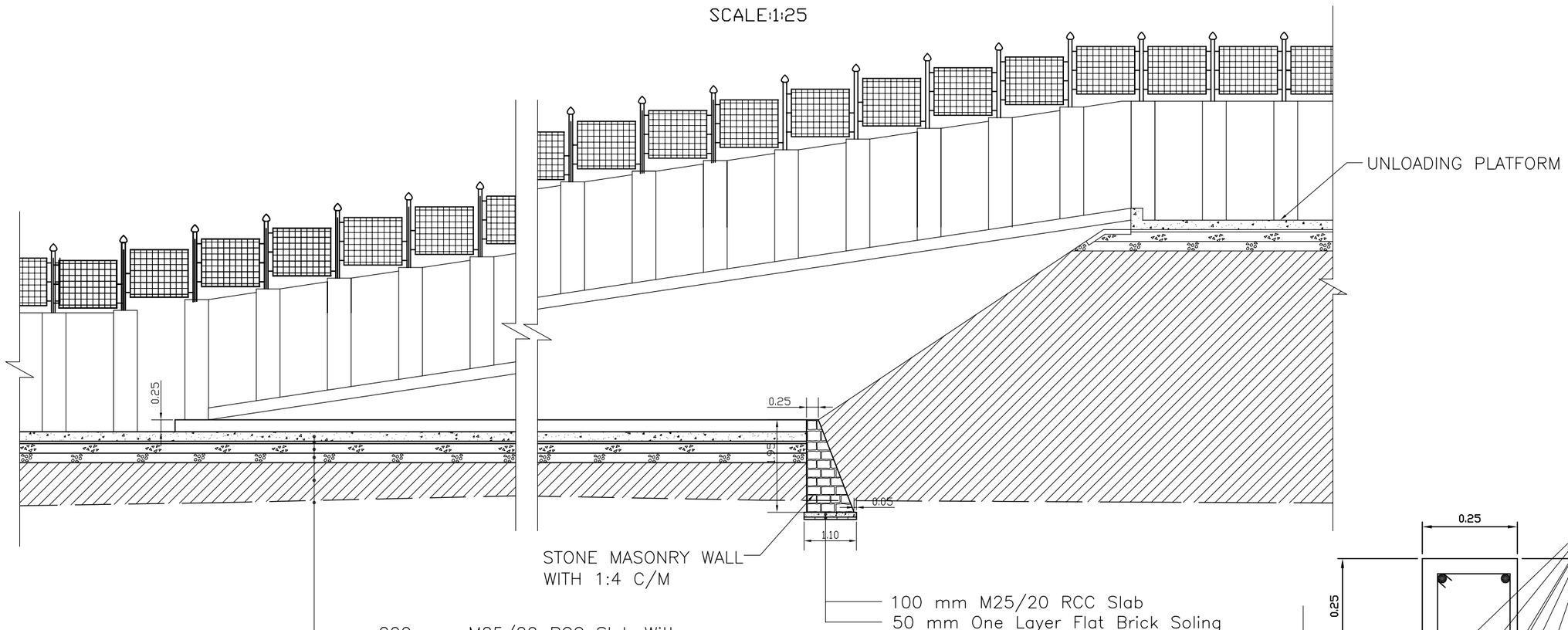
Scale: 1:50

THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY	CONSULTANT	DESIGNED BY:	Sarad Shrestha	ALTERNATIVE 1 WALLS DETAIL BALAJU TRANSFER STATION	DRAWING No. BL–07
		DRAWN BY:	Shyam Shrestha		
		CHECKED BY:	B. M. Shakya		
		DATE:	March, 2006		



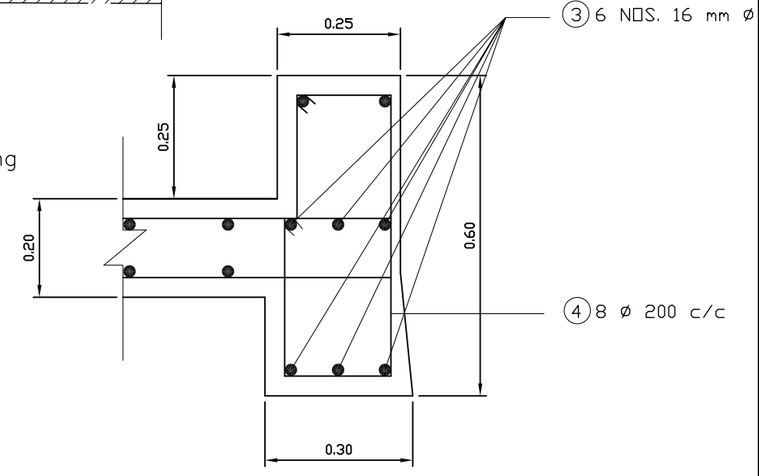
REINFORCEMENT DETAIL AT SECTION B–B

SCALE:1:25



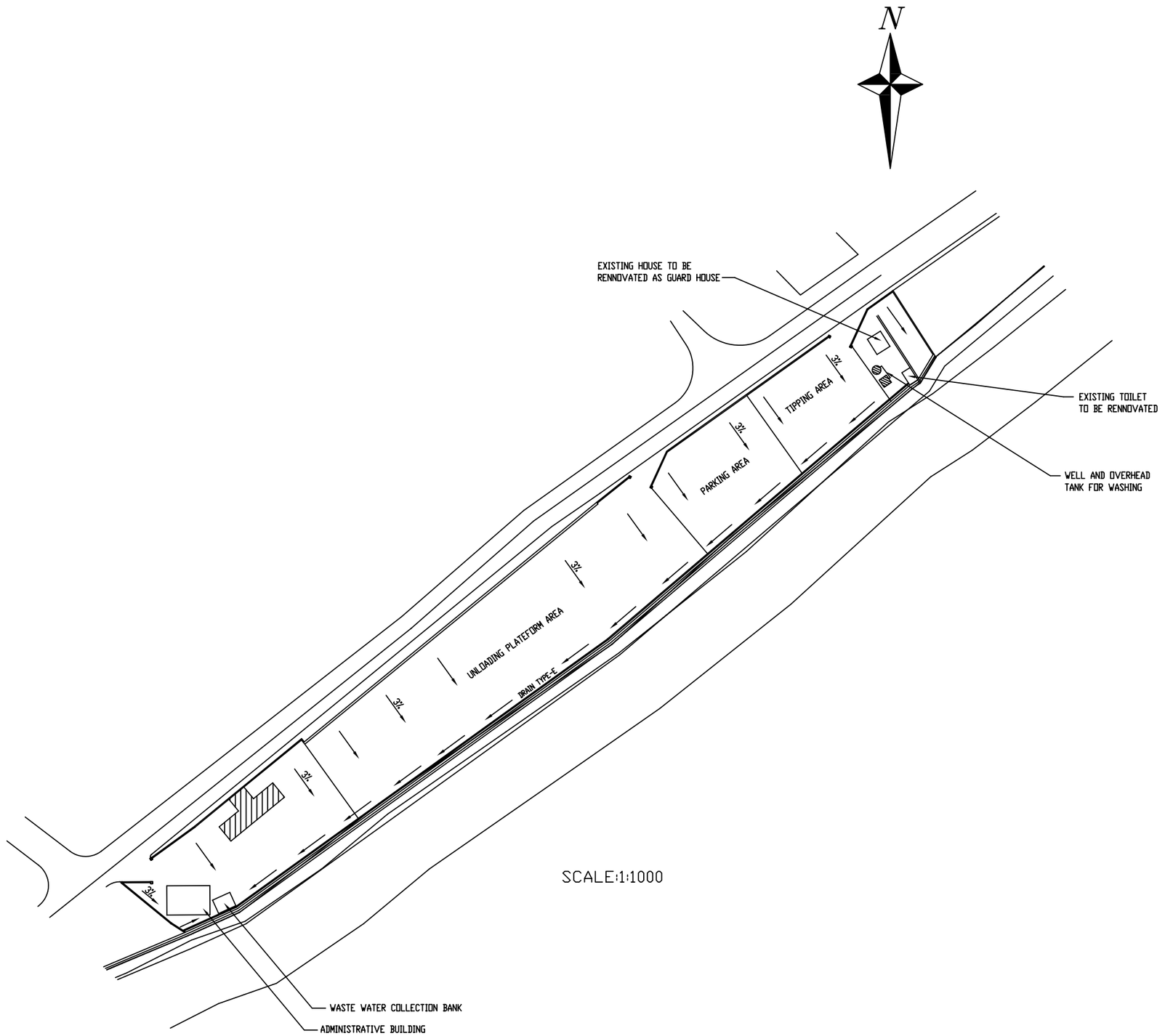
SECTION C–C

Scale: 1:100



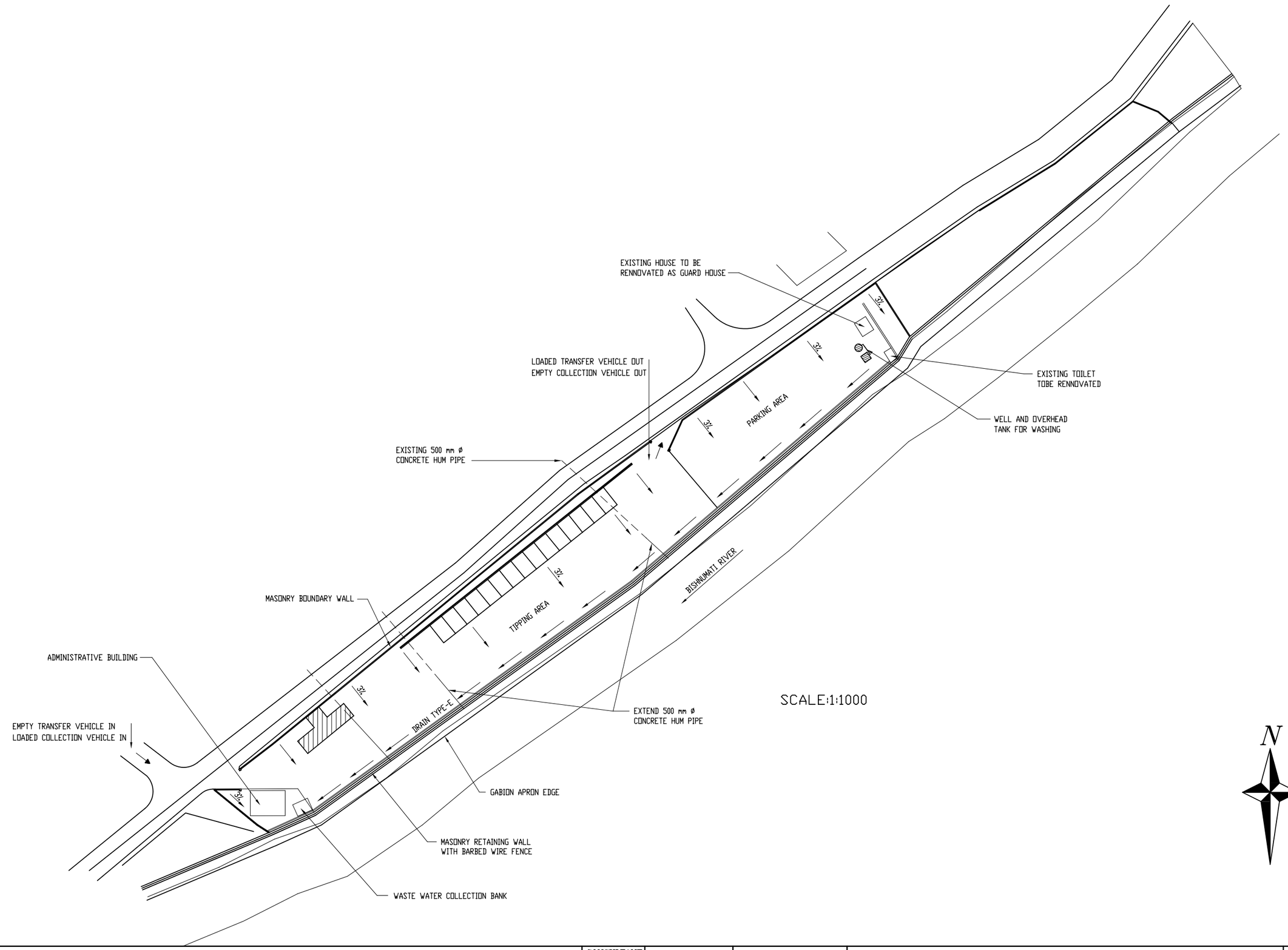
DETAIL AT "X"

THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY	CONSULTANT	DESIGNED BY:	Sarad Shrestha	ALTERNATIVE 1 UNLOADING PLATFORM DETAIL BALAJU TRANSFER STATION
		DRAWN BY:	Shyam Shrestha	
		CHECKED BY:	B. M. Shakya	
		DATE:	March, 2006	DRAWING No. BL–08



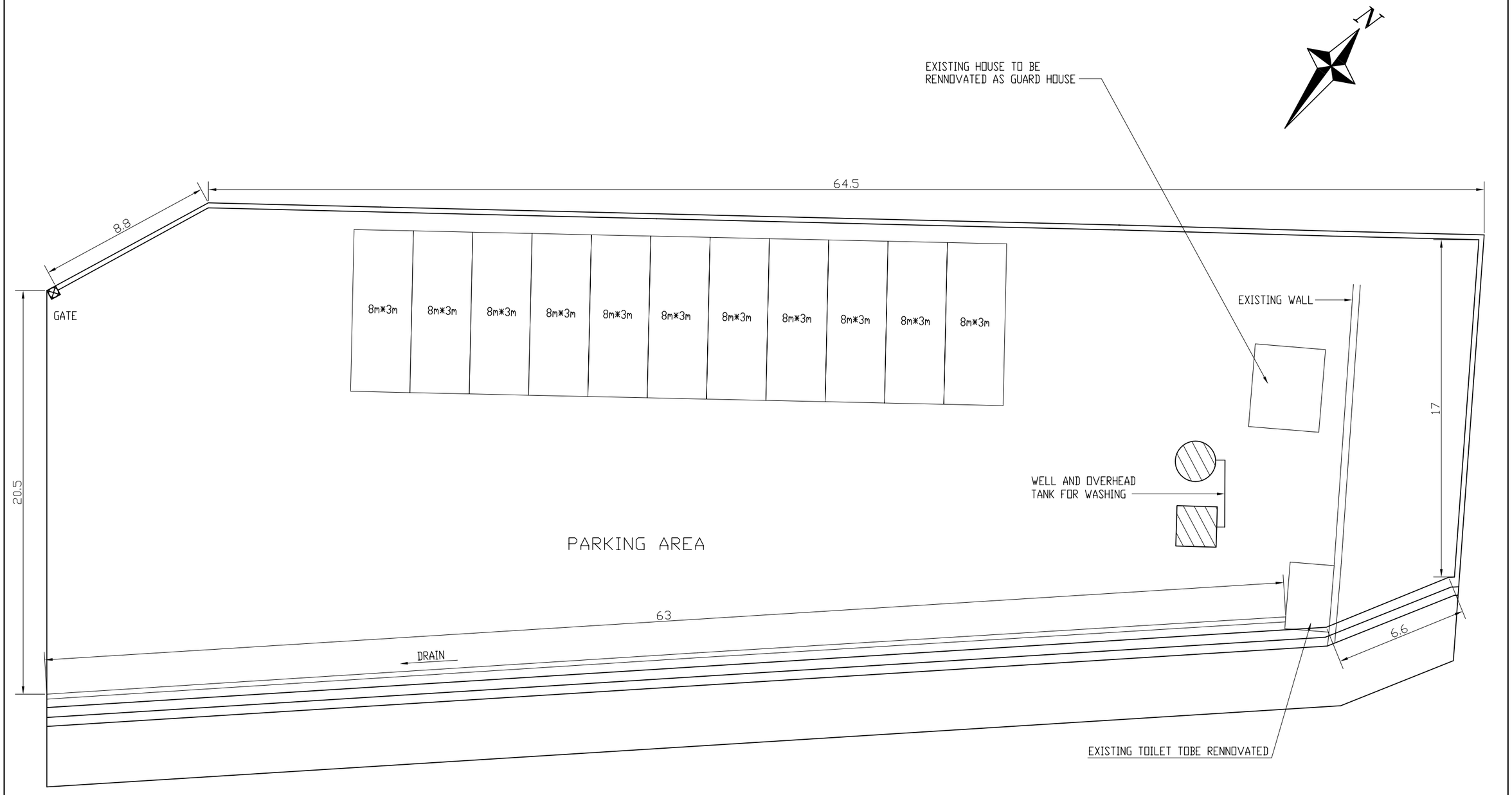
SCALE:1:1000

THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY	CONSULTANT	DESIGNED BY:	Sarad Shrestha	ALTERNATIVE 1 DRAINAGE LAYOUT PLAN BALAJU TRANSFER STATION	DRAWING No. BL-09
		DRAWN BY:	D. R. Sedhain		
		CHECKED BY:	B. M. Shakya		
		DATE:	March, 2006		



THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY	CONSULTANT	DESIGNED BY:	Sarad Shrestha	ALTERNATIVE–5 DRAINAGE LAYOUT PLAN BALAJU TRANSFER STATION
		DRAWN BY:	D. R. Sedhain	
		CHECKED BY:	B. M. Shakya	
		DATE:	March, 2006	

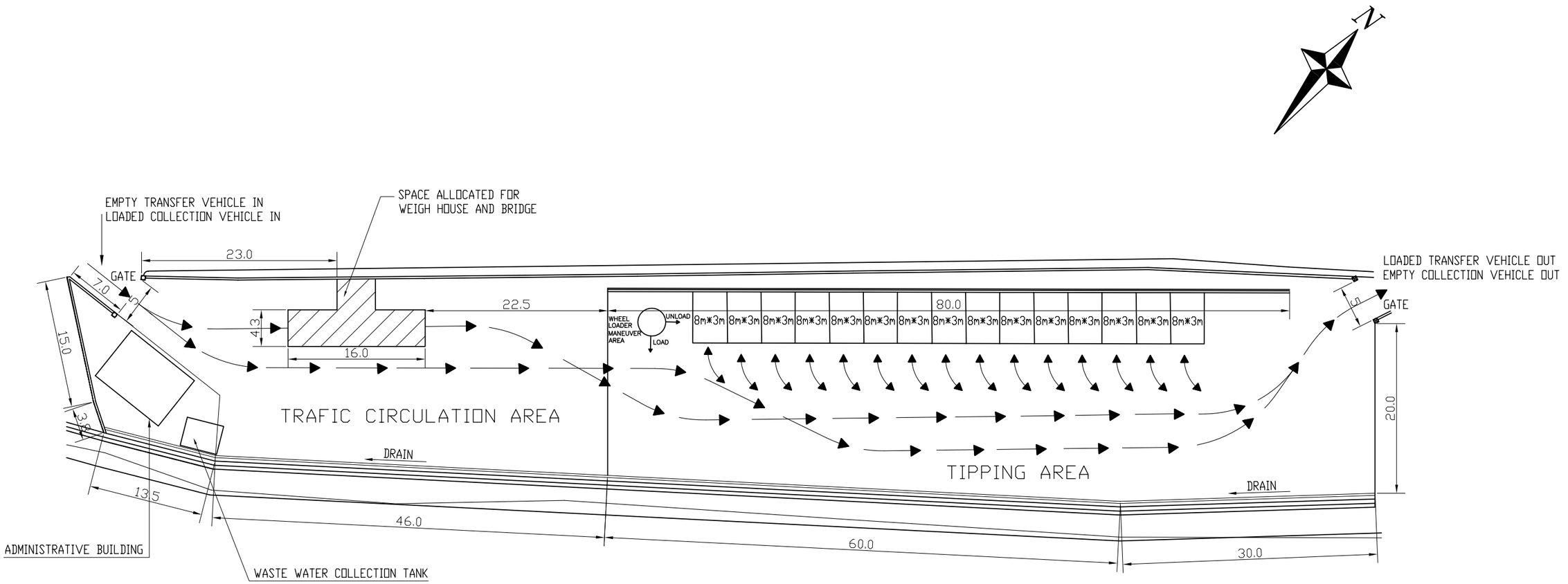
DRAWING No.
BL–10



SCALE:1:200

THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY	CONSULTANT	DESIGNED BY:	Sarad Shrestha	ALTERNATIVE – 5 PARKING AREA BALAJU TRANSFER STATION
		DRAWN BY:	Shyam Shrestha	
		CHECKED BY:	B. M. Shakya	
		DATE:	08/sep/2004	

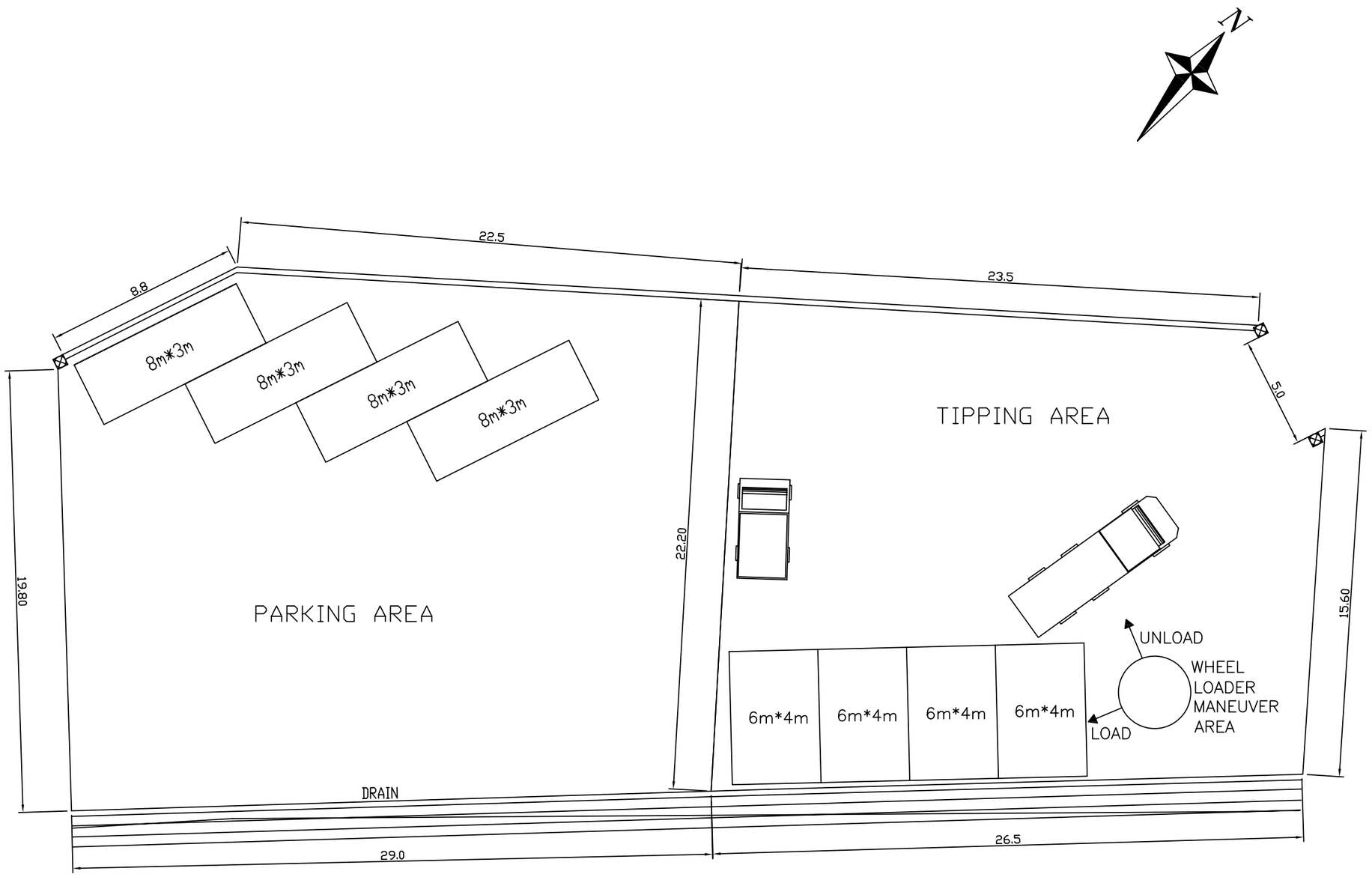
DRAWING No.
BL-11



SCALE:1:500

THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY	CONSULTANT	DESIGNED BY:	Sarad Shrestha	ALTERNATIVE – 5 TIPPING AND TRAFFIC CIRCULATION AREA BALAJU TRANSFER STATION
		DRAWN BY:	Shyam Shrestha	
		CHECKED BY:	B. M. Shakya	
		DATE:	March, 2006	

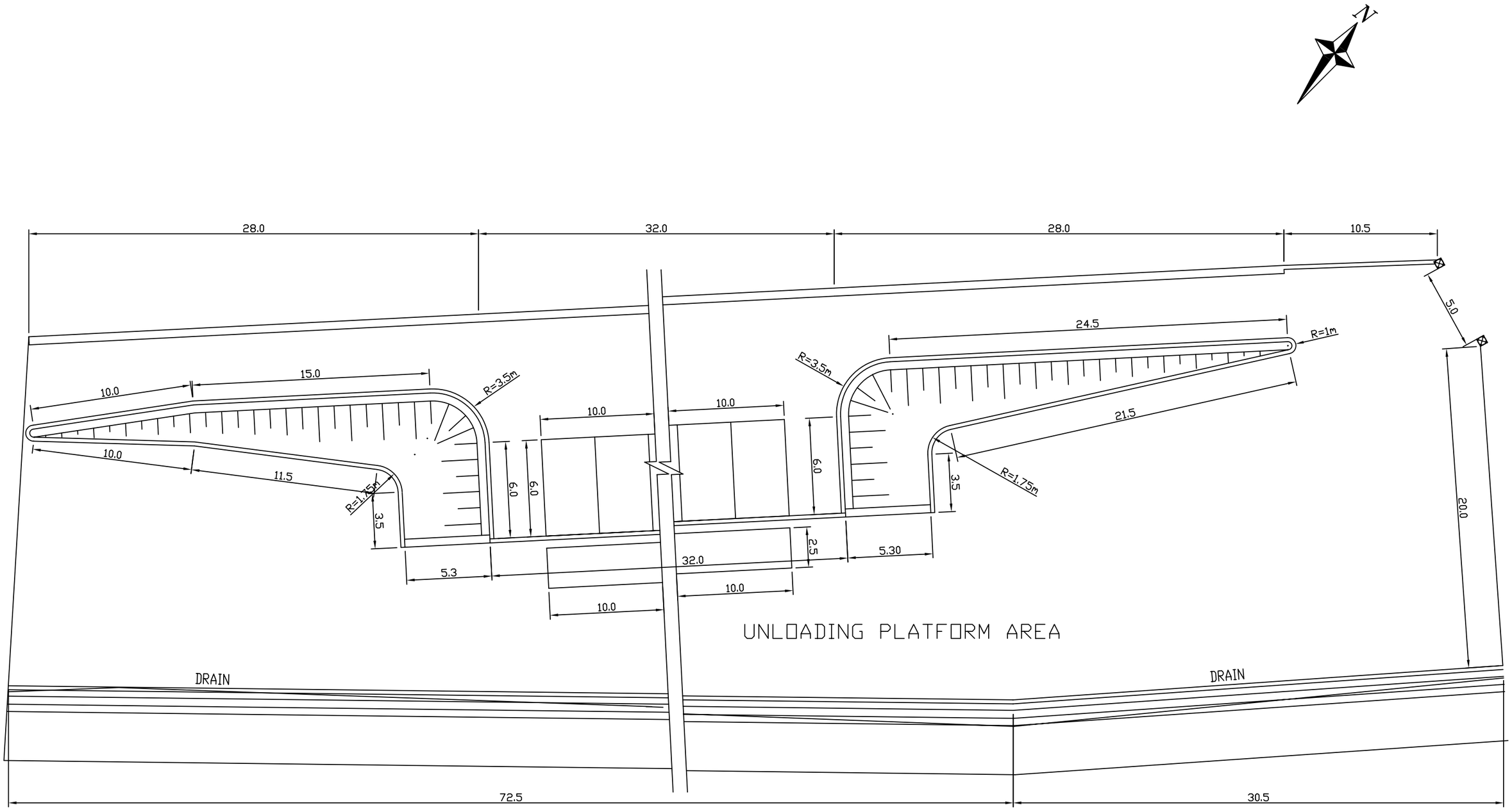
DRAWING No.
BL-12



SCALE:1:200

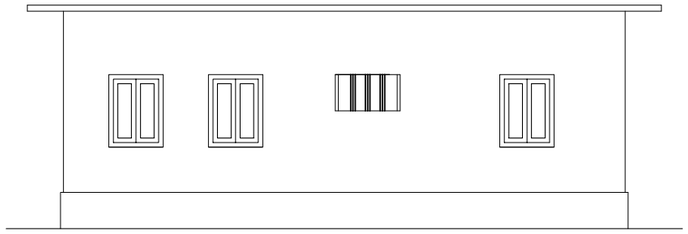
THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY	CONSULTANT	DESIGNED BY:	Sarad Shrestha	ALTERNATIVE 1 PARKING AND TIPPING AREA BALAJU TRANSFER STATION
		DRAWN BY:	D. R. Sedhain	
		CHECKED BY:	B. M. Shakya	
		DATE:	March, 2006	

DRAWING No.
BL-13

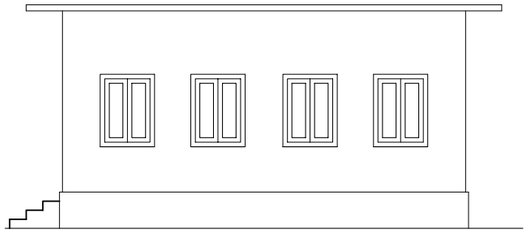


SCALE:1:250

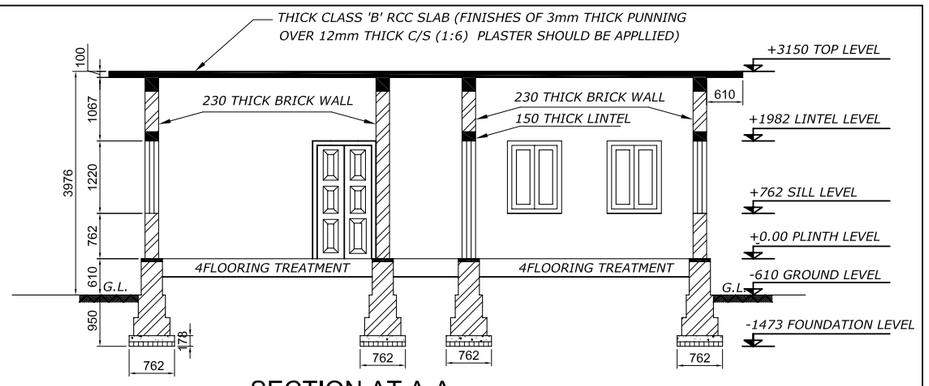
THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY	CONSULTANT	DESIGNED BY:	Sarad Shrestha	ALTERNATIVE 1 UNLOADING PLATFORM AREA BALAJU TRANSFER STATION
		DRAWN BY:	D. R. Sedhain	
		CHECKED BY:	B. M. Shakya	
		DATE:	March, 2006	DRAWING No. BL-14



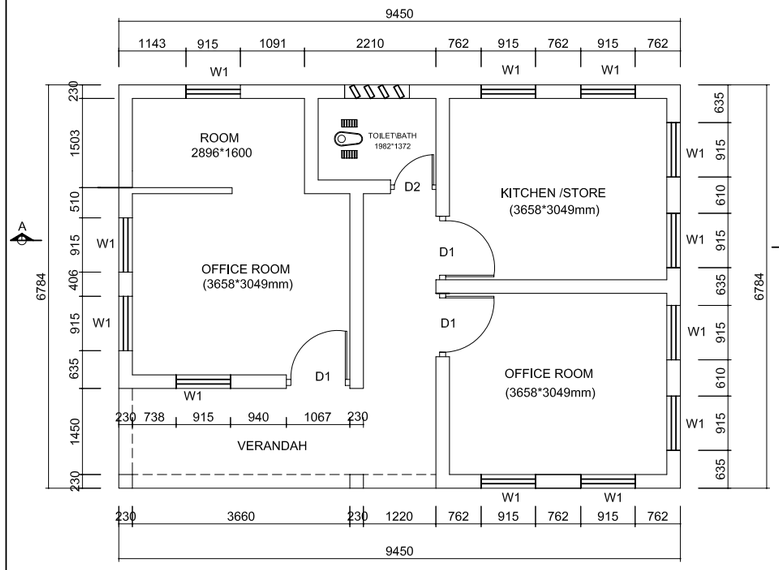
BACK ELEVATION



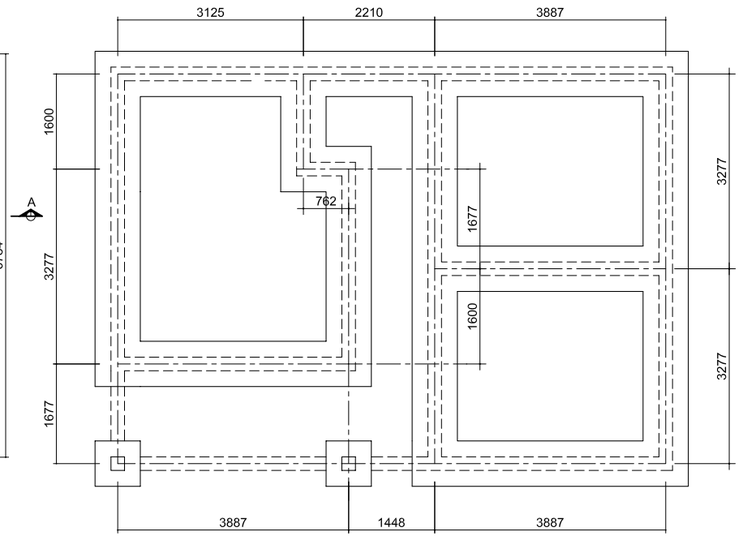
SIDE ELEVATION



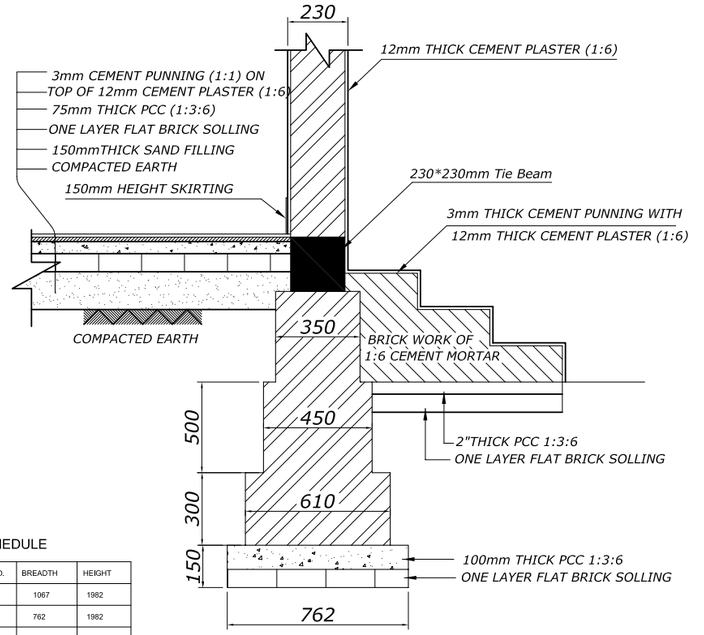
SECTION AT A-A



GROUND FLOOR PLAN

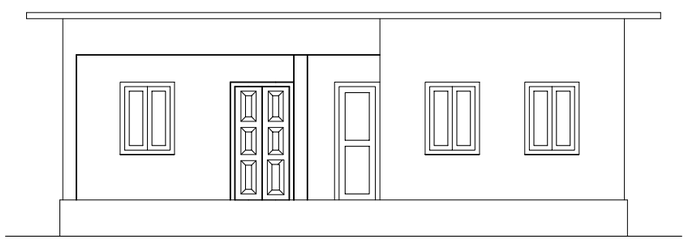


TRENCH PLAN

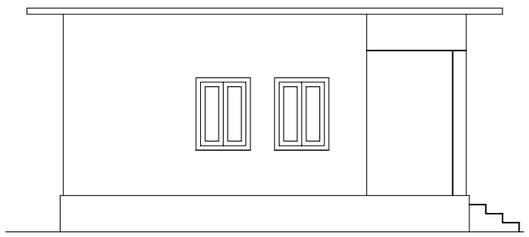


FOUNDATION DETAIL

SCALE : - 1" = 2'-0"



FRONT ELEVATION



SIDE ELEVATION

DOOR WINDOWS SCHEDULE

S.N.	DESCRIPTION	SYM	NO.	BREADTH	HEIGHT
1	DOOR	D1	3	1067	1982
2	DOOR	D2	1	762	1982
3	WINDOW	W1	11	915	1220
4	VENTILATION	v1	1	1092	610

NOTE :-

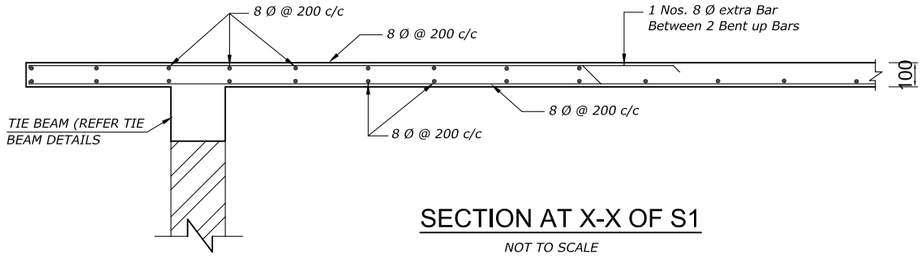
1. All Dimensions are in mm unless otherwise mentioned.
2. The 15cm concrete cube used in class 'B' type of concrete should have a characteristic strenth of 150kg/sq.cm at 28 days (1:2:4)
3. All Tie Beam are of TB1.
4. For structural details of Lintel, Beam, tie Beam & slab Refer Sheet 'DETAIL OF RCC SECTIONS' of GUARD HOUSE.
5. For opening Details, Refer sheet 'OPENING DETAILS' of PUBLIC TOILET.
6. For Septic Tank and Sock pit details, Refer sheet 'SEPTIC TANK & SOAK PIT DETAIL' of PUBLIC TOILET.
7. All Exposed Brick walls. PCC & RCC Elements should be Plastered with 1/2" thick cement /Sand (1:6) plaster.
8. Cement Punning Skirting in bath Room should be done up to 30" height.

SCALE

0 1.0 2.0 3.0 4.0 5.0

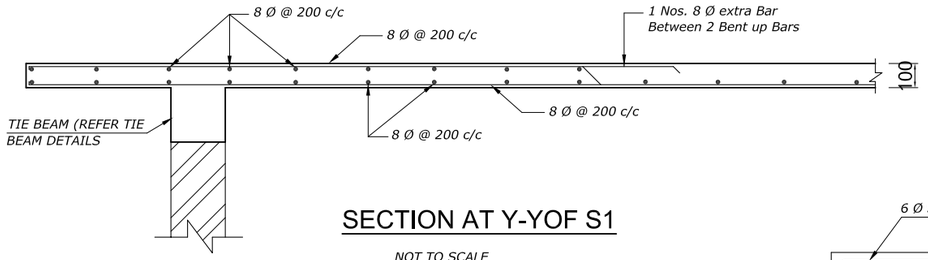
1:100

THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY	CONSULTANT: CEMAT 2033 CONSULTANTS	DESIGNED BY:	B. M. Shakya	PLAN, ELEVATION & SECTION OF OFFICE BUILDING	DRAWING No.
		DRAWN BY:	G.P.Chaudhary		
		CHECKED BY:	B. M. Shakya		
		DATE:	March, 2006	BALAJU TRANSFER STATION	BL-15



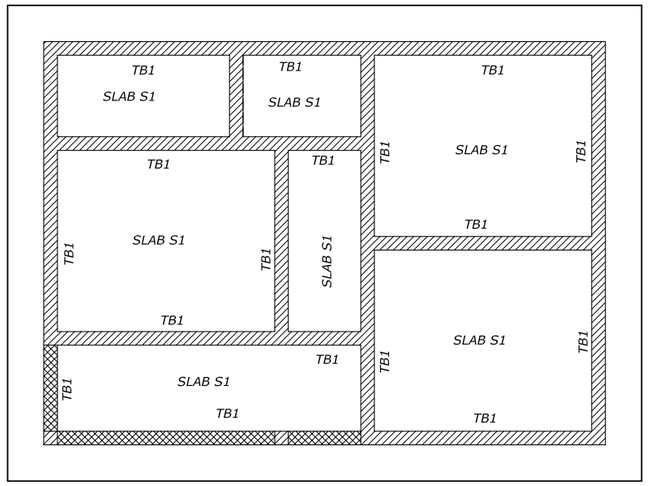
SECTION AT X-X OF S1

NOT TO SCALE



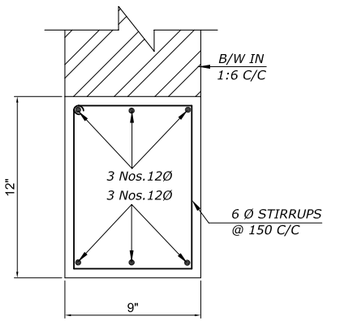
SECTION AT Y-YOF S1

NOT TO SCALE

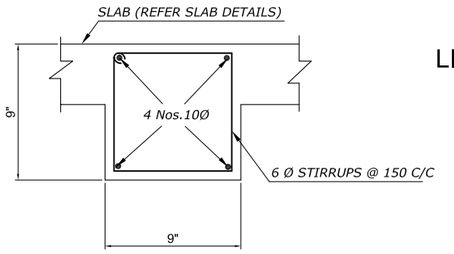


OFFICE QUARTER
SLAB, BEAM AND TIE BEAM INDEX PLAN

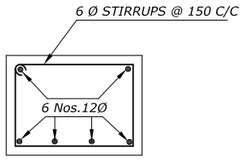
SCALE : - 1" = 8'-0"



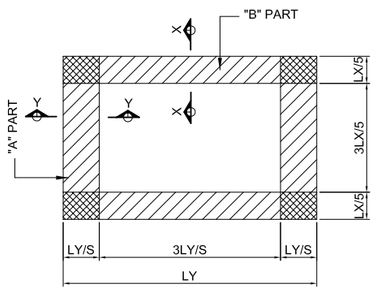
BEAM B1



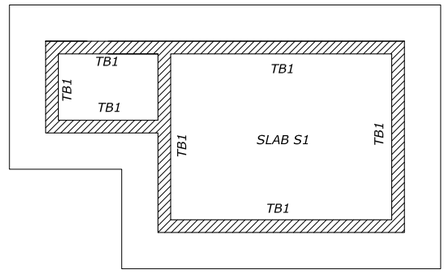
TIE BEAM TB1



LINTEL FOR OPENING
(UPTO 5'-0" SPAN)



SLAB KEY PLAN FOR TWO WAY SLAB



GUARD HOUSE

SCALE : - 1" = 8'-0"

SLAB BAR ARRANGEMENT

SLAB	SLAB TYPE	SLAB DEPTH	POSITION	BAR DIA.(Ø)	SPACING OF BARS					
					SHORT LENGTH DIRECTION			LONG LENGTH DIRECTION		
					END	CENTRE	'A' PART	END	CENTRE	'B' PART
S1	TWO WAY	100	BOTTOM OF BAR	8mm	400 C/C	200 C/C	200 C/C	400 C/C	200 C/C	200 C/C
			TOP	8mm	200 C/C		200 C/C	200 C/C		200 C/C
FOR EACH CORNERS OF SLAB SPACING SHOULD BE HALF OF THE ABOVE MENTIONED. SPACING IN BOTH TOP & BOTTOM LAYERS OF TWO WAY SLAB (PROVIDED EXTRA BARS)										

SCALE

0 1.0 2.0 3.0 4.0 5.0

1:100

NOTE :-

1. Do not measure the drawing.
2. The bearing for the lintel is 230mm on either side of opening.
3. The 15cm concrete cube used in all RCC works should have a characteristic strenth of 150Kg/sq. cm. at 28 day (1:2:4)
4. For all RCC works provide specified reinforcement bar of fe-415 as per IS-456-1978.
4. Shear stirrup bar can be of Fe-250 as per (IS-456-1978).
5. Effective cover for reinforcement shall not be less than 15 mm and shall not be greater than 20 mm in slab.
6. Effective cover for reinforcement shall not be less than 25 mm and shall not be greater than 30 mm in tie beam and lintel.
7. All RCC details should be as per the 'RCC NOTES' drawings.
8. For other details refer respective drawings.

THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY

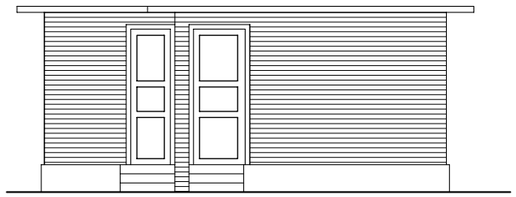
CONSULTANT

JEMAT 2033 CONSULTANTS

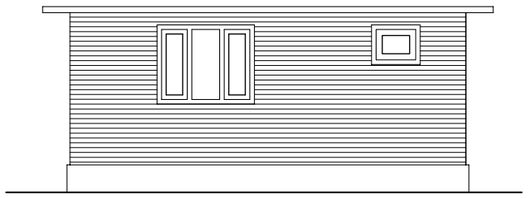
DESIGNED BY:	N. Paudel
DRAWN BY:	G.P.Chaudhary
CHECKED BY:	B. M. Shakya
DATE:	March, 2006

R.C.C. DETAILS OF
OFFICE BUILDING
BALAJU TRANSFER STATION

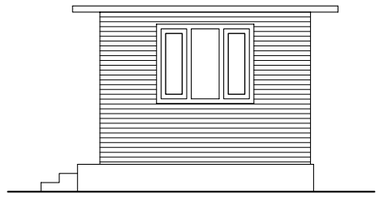
DRAWING No.
BL-16



FRONT ELEVATION

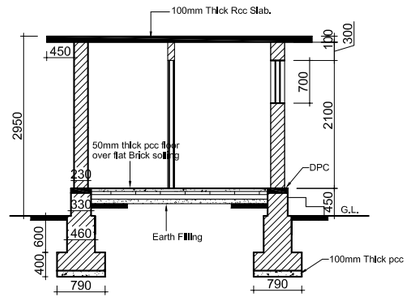


BACK ELEVATION

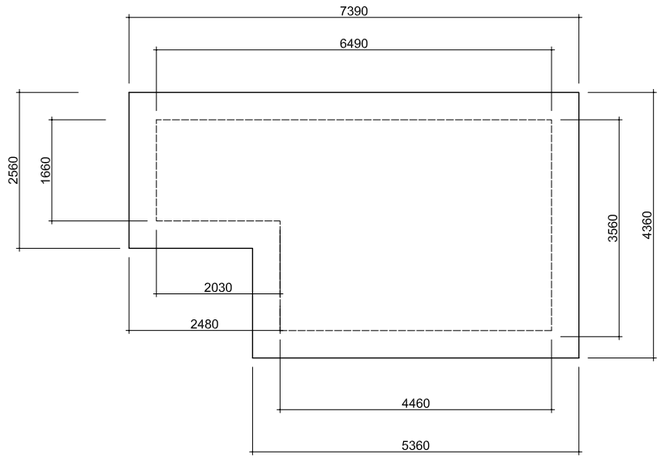


SIDE ELEVATION

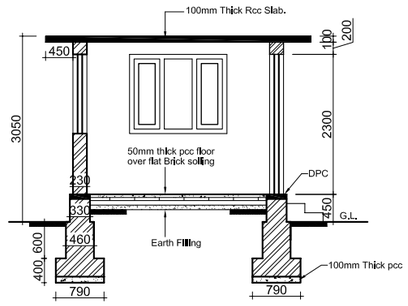
SIDE ELEVATION



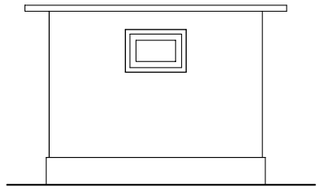
SECTION AT B-B



ROOF PLAN



SECTION AT A-A



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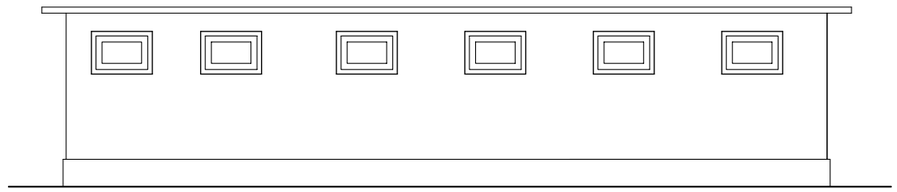
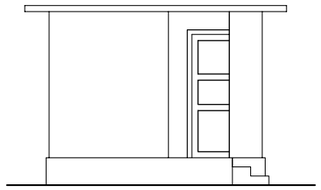
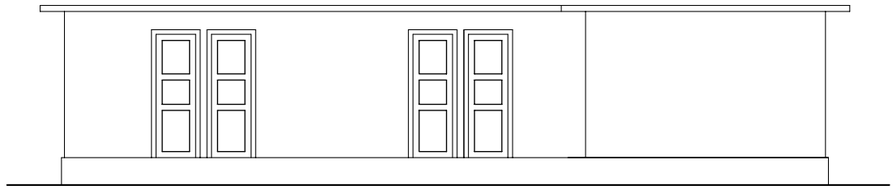


BACK ELEVATION



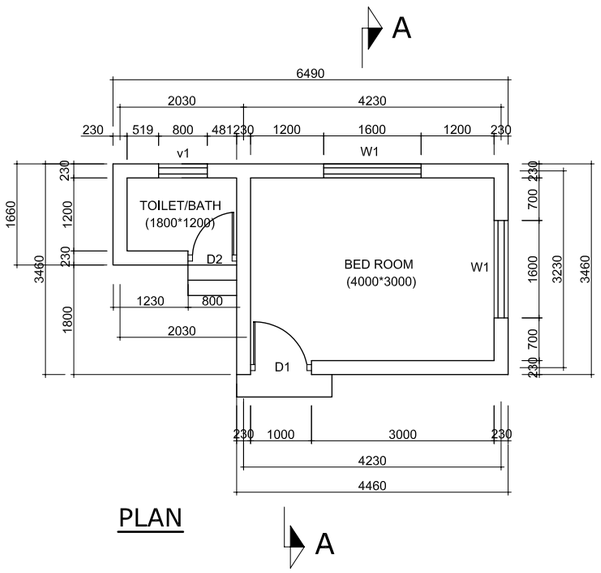
SIDE ELEVATION



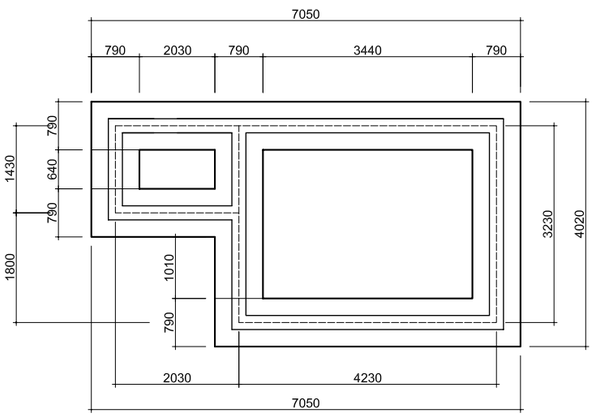
FRONT ELEVATION

DOOR WINDOWS SCHEDULE

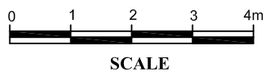
S.N.	DESCRIPTIONS	SYM	NO.	BREADTH	HEIGHT
1	DOOR	D1	1	1000	2300
1	DOOR	D2	1	800	2300
2	WINDOW	W1	2	1600	1300
3	VENTILATION	v1	1	800	650



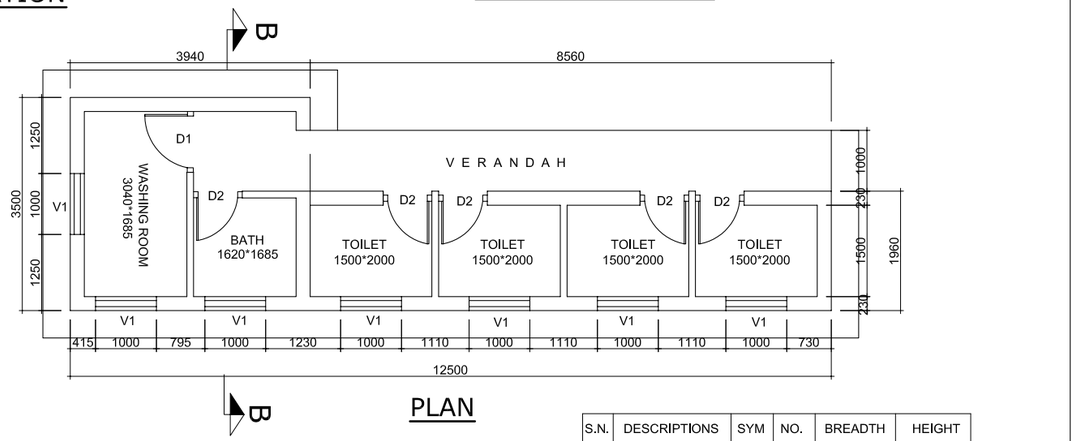
PLAN



TRENCH PLAN



SCALE



PLAN

S.N.	DESCRIPTIONS	SYM	NO.	BREADTH	HEIGHT
1	DOOR	D1	1	1000	2100
1	DOOR	D2	5	800	2100
2	VENTILATION	v1	6	1000	700

THE STUDY ON THE SOLID WASTE MANAGEMENT FOR THE KATHMANDU VALLEY

CONSULTANT

CEMAT 2033 CONSULTANTS

DESIGNED BY:	B. M. Shakya
DRAWN BY:	G. P. Chaudhary
CHECKED BY:	B. M. Shakya
DATE:	March, 2006

PLAN, ELEVATION & SECTION OF GUARD HOUSE, TOILT & BATH

BALAJU TRANSFER STATION

DRAWING No. BL-17