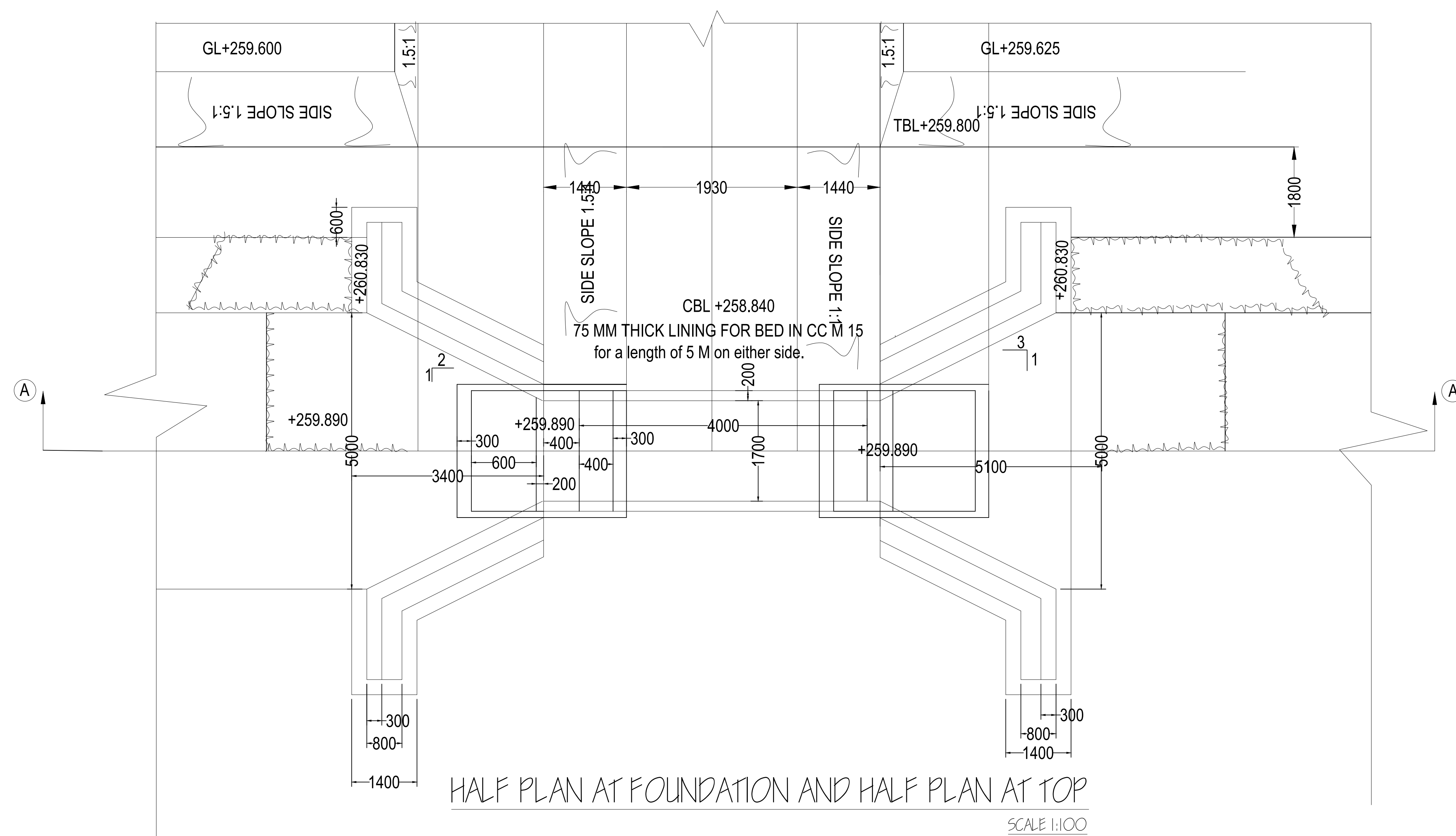
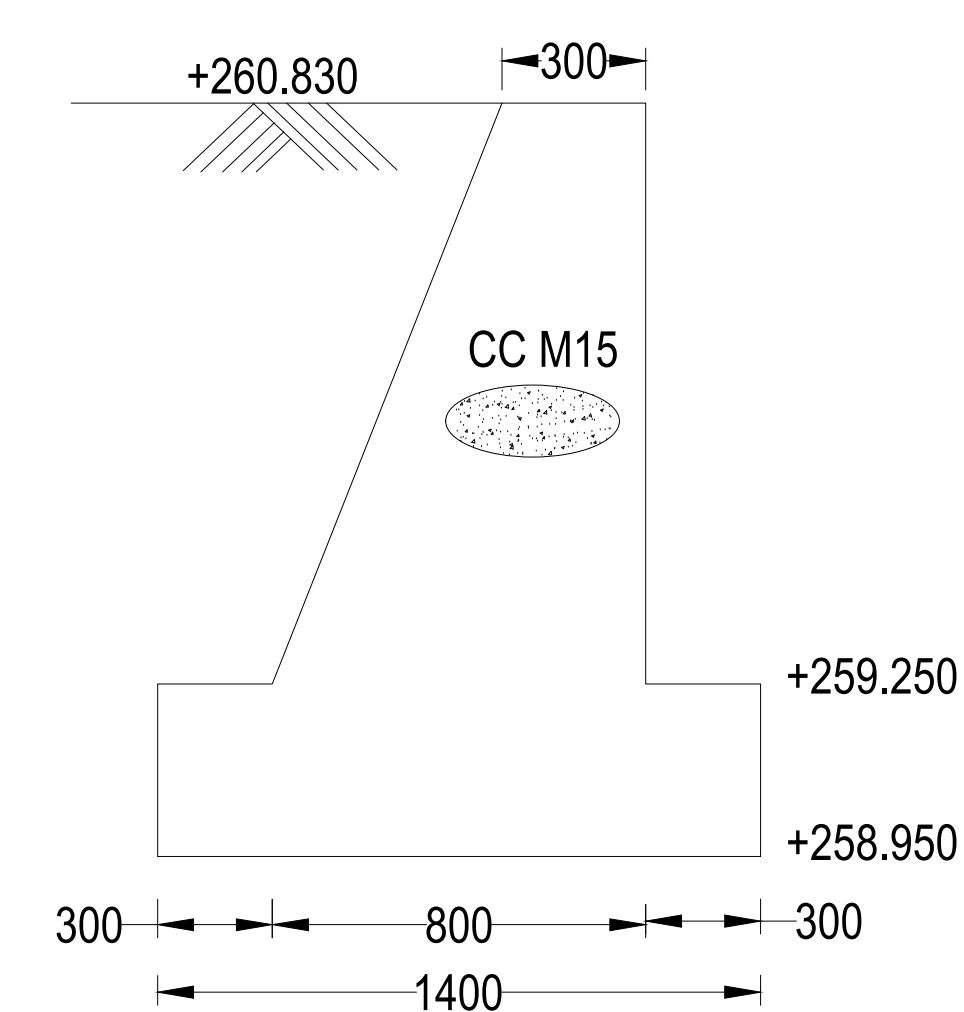


SECTION ON 'A-A'

SCALE 1:100



HALF PLAN AT FOUNDATION AND HALF PLAN AT TOP

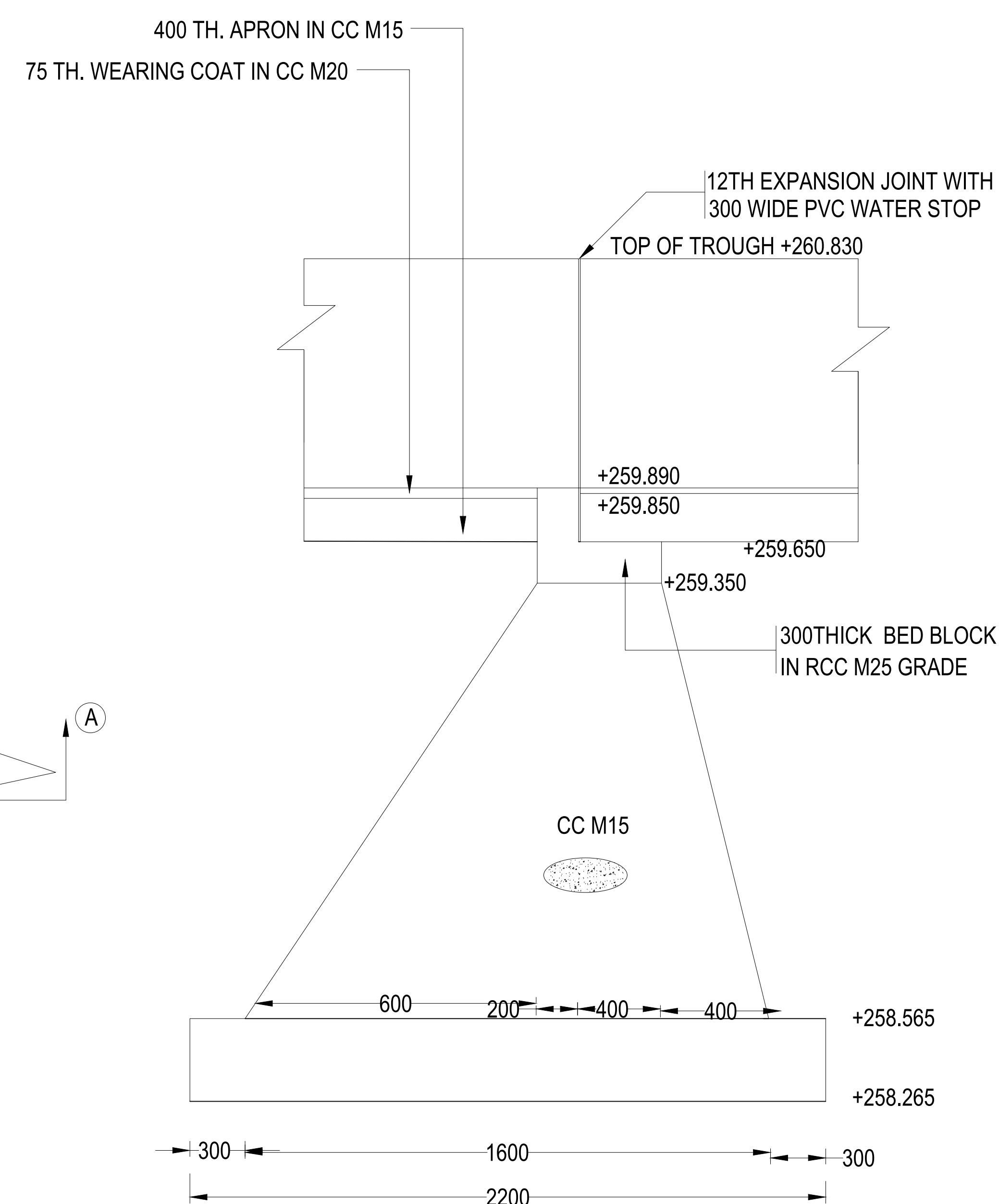


U/S & D/S WING & RETURN WALLS



APPROACH CHANNEL

TAIL CHANNEL



U/S & D/S ABUTMENT

NOTES AND SPECIFICATIONS

1. ALL THE DIMENSIONS ARE IN MILLMETRES AND THE LEVELS ARE IN METRES.
2. DO NOT SCALE THE DRAWING. ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.
3. THE SUPER PASSAGE IS DESIGNED ADOPTING THE FOLLOWING IS AND IRC CODES.
 - i. IS 3370 - 1999 (PART I) AND IS 3370 - 1999 (PART II)
 - ii. IS 7784 -1993, PART I, PART II AND PART II / SECTION 2 - 2000
 - iii. IS 456 - 2000
4. THE TROUGH IS DESIGNED FOR DRAIN WATER LOAD ONLY.
- 5 .ENSURE SBC OF FOUNDATION STRATA BEFORE EXCAVATION
6. 75MM DIA WEEP HOLES WITH REVERCE FILTERS IN WINGS & RETURNS @1800 C/C
7. 300TH RSD REVETMENT & PITCHING UNDER 150TH GRAVEL BANKING AS SHOWN IS PROVIDED
8. ENSURE THE CORRECTION OF C.A.BEFORE EXECUTION

SPECIFICATIONS PROPOSED FOR THE VARIOUS COMPONENTS

SI.No	DETAILS OF COMPONENTS	GRADE OF CONCRETE	MAX. SIZE OF C.A
1	SEALING COAT IN TROUGH	CC M25	20 MM
2	TROUGH	RCC M20	20 MM
3	ABUTMENT BED BLOCK	RCC M20	20 MM
5	ABUTMENT WING AND RETURN WALL	CC M15	40 MM
6	ABUTMENT AND RETURN FOUNDATION	CC M15	40 MM
7	APRON , & CUT OFF	CC M15	40 MM
8	WC OVER APRON CONCRETE	CC M25	20 MM

SL.NO.	PARTICULARS	CANAL @ KM.	
		19.400	
1	DISCHARGE (REQD.)	0.426	cumecs
2	DISCHARGE (DES.)	0.470	cumecs
3	BED WIDTH	1.930	m
4	FULL SUPPLY DEPTH	0.510	m
5	VELOCITY	0.375	m/sec
6	BED FALL	1 in	5800
7	COEFFT. OF RUGOSITY	0.018	
8	FREE BOARD	0.45	m
9	SIDE SLOPES	1:1.5	
10	TOP WIDTH OF BANKS (LEFT)	5.000	m
	(RIGHT)	1.50	m
11	LOSS OF HEAD	0.00	m
12	CANAL BED LEVEL	+ 258.840	m
13	FULL SUPPLY LEVEL	+ 259.350	m
14	TOP BUND LEVEL	+ 259.800	m
DRAIN:			
1	DRAIN BED LEVEL	+ 259.890	M
2	CATCHMENT AREA	0.080	sq.kms.
3	M.F.D	2.933	Cumecs
4	PROPOSED BED LEVEL OF TROUGH	+ 259.890	M

5. ENSURE SBC OF FOUNDATION STRATA BEFORE EXCAVATION
6. 75MM DIA WEEP HOLES WITH REVERSE FILTERS IN WINGS & RETURNS @1800 C/C
7. 300TH RSD REVETMENT & PITCHING OVER 150TH GRAVEL BANKING AS SHOWN IS PROVIDED
8. ENSURE THE CORRECTION OF C.A. BEFORE EXECUTION

REVISION NO:	DRAWN	CHECKED	APPROVED	DATE
CLIENT	GOVERNMENT OF ANDHRA PRADESH IRRIGATION & CAD DEPARTMENT			
PROJECT	GANDIKOTA LIFT IRRIGATION PROJECT MALYALA SUPPLY CHANNEL			
TITLE	SUPER PASSAGE AT KM 19.400 GENERAL PLAN & SECTIONS			
CONTRACTORS	M/S MCCL - KBL PUNE			
DRAWING NO:	SCALE		DATE	
GLIS/HLC/SP-16.825 001/2011	AS INDICATED			

REFERENCE DRAWINGS

1. GLIS/HLC/SP-16.825/002/2011- RCC DETAILS OF TROUGH