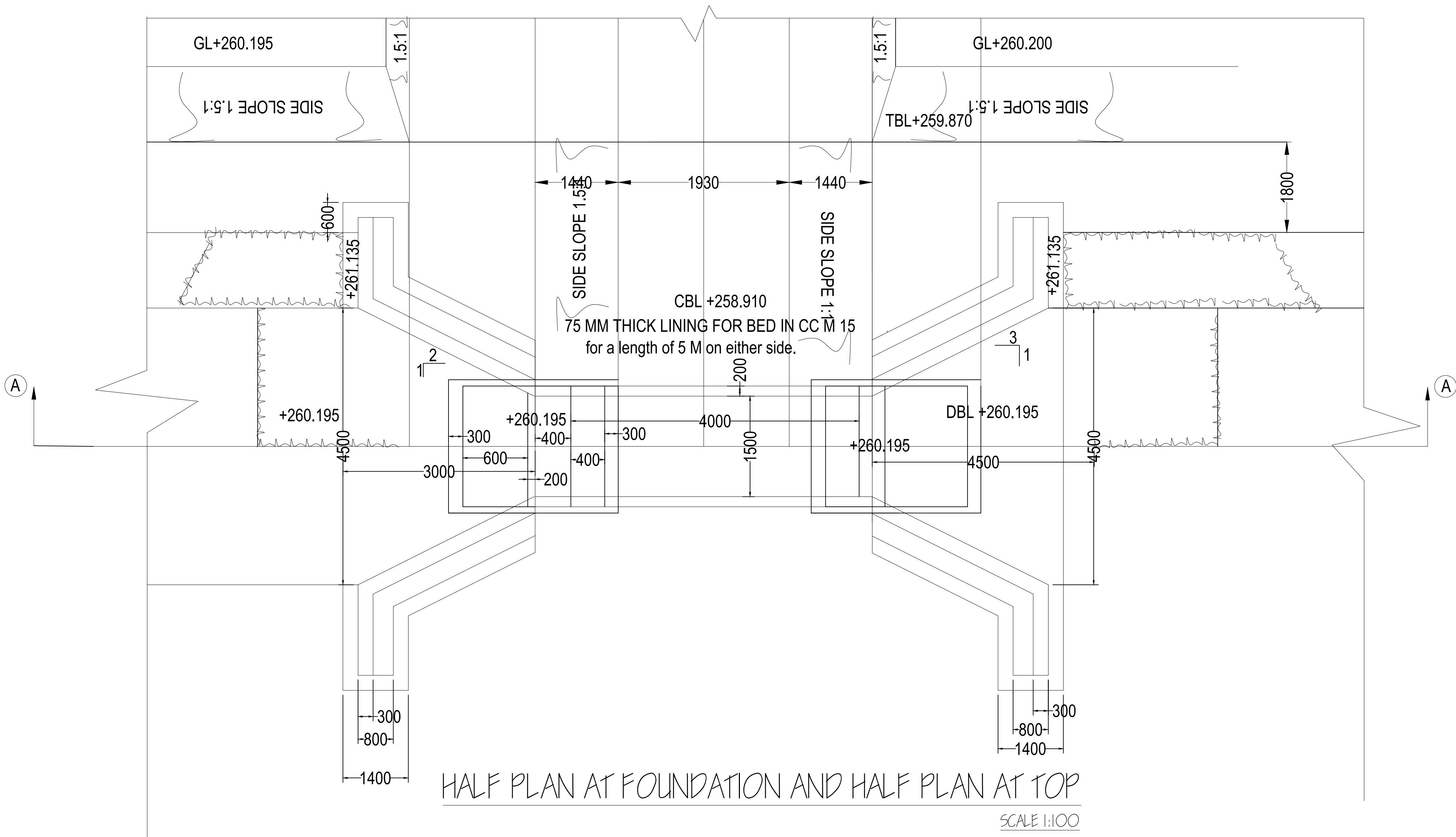
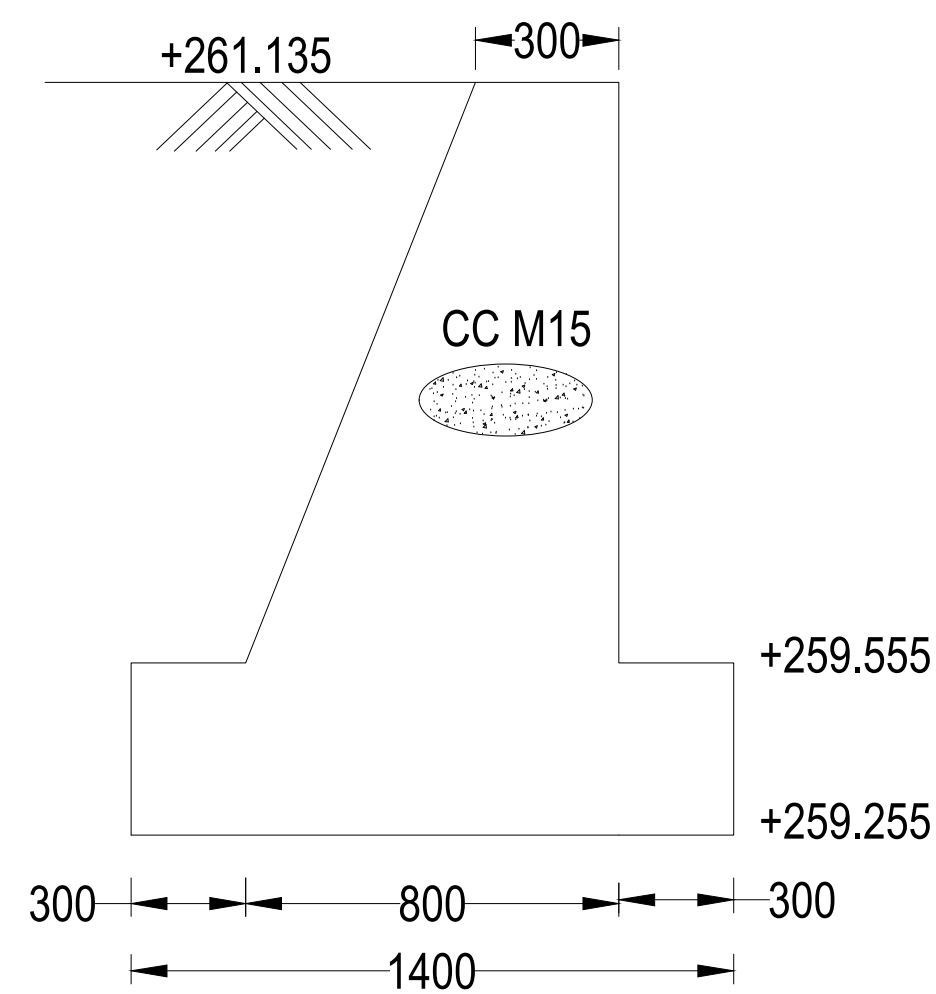


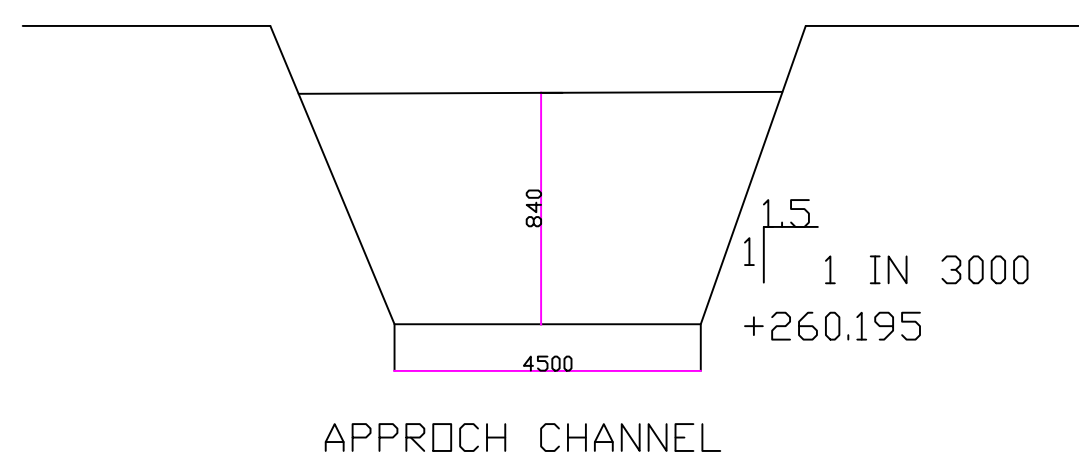
SECTION ON 'A-A'  
SCALE 1:100



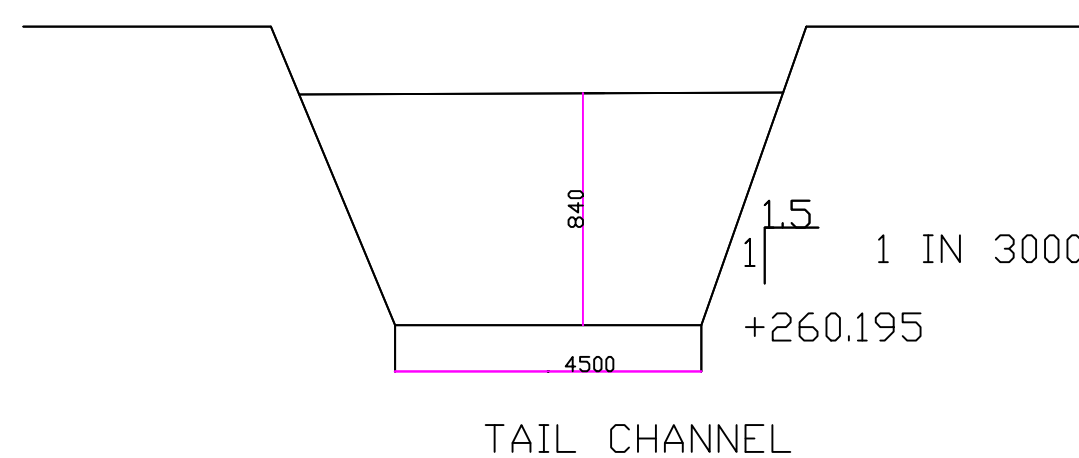
HALF PLAN AT FOUNDATION AND HALF PLAN AT TOP  
SCALE 1:100



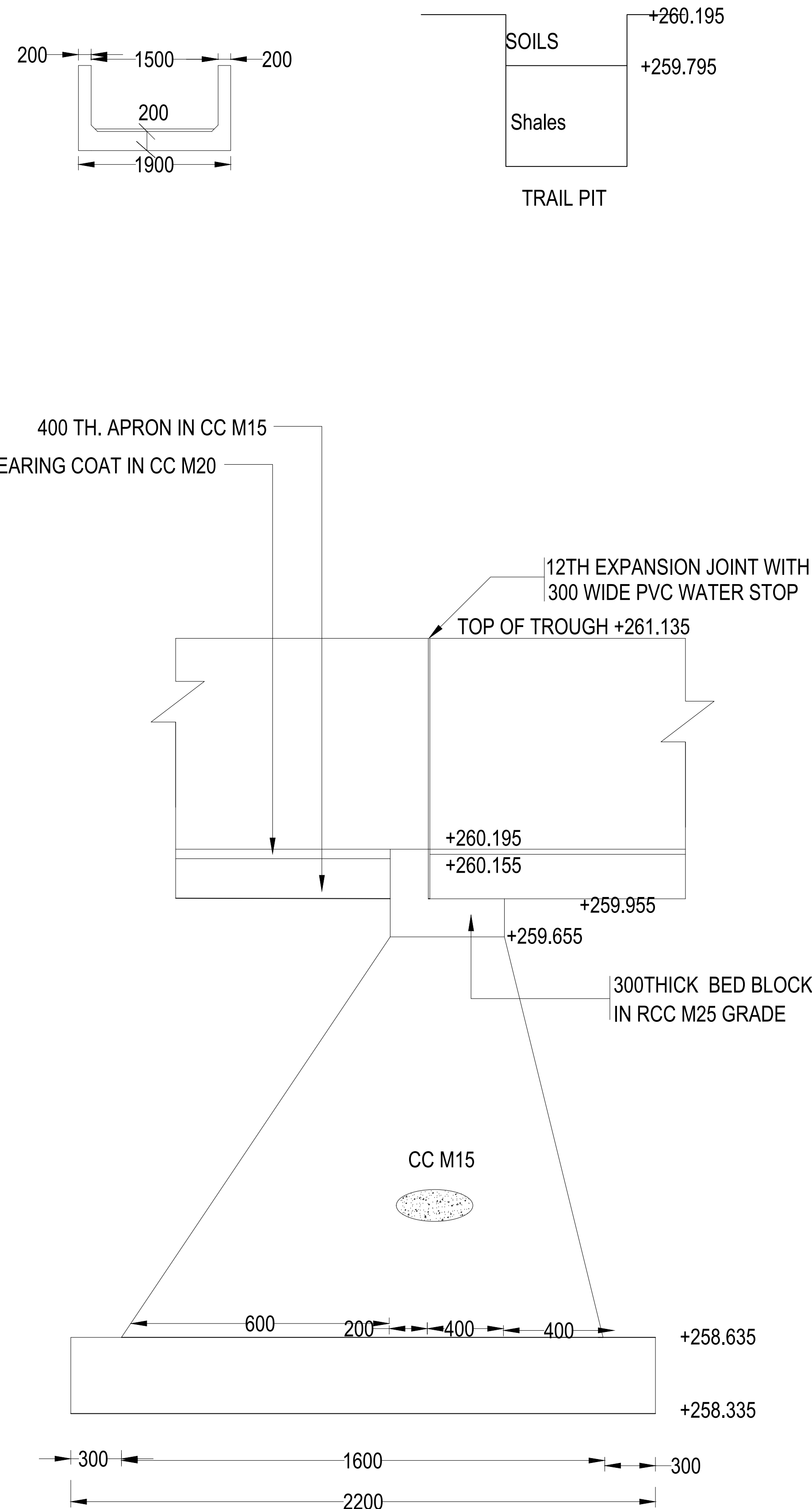
U/ S & D/ S WING & RETURN WALLS



APPROACH CHANNEL



TAIL CHANNEL



U/ S & D/ S ABUTMENT

## NOTES AND SPECIFICATIONS

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

## HYDRAULIC PARTICULARS

CANAL:			
SL.NO.	PARTICULARS	CANAL @ KM	
		19.000	
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	+ 258.910	m
13	FULL SUPPLY LEVEL	+ 259.420	m
14	TOP BUND LEVEL	+ 259.870	m
DRAIN:			
1	DRAIN BED LEVEL	+ 260.195	M
2	CATCHMENT AREA	0.068	sq.kms.
3	M.F.D	2.597	Cumecs
4	PROPOSED BED LEVEL OF TROUGH	+ 260.195	M

- ENSURE SBC OF FOUNDATION STRATA BEFORE EXCAVATION
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- ENSORE THE CORRECTION OF C.A.BEFORE EXECUTION

## REFERENCE DRAWINGS

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

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 19.000 GENERAL PLAN & SECTIONS			
CONTRACTORS	M/S MCCL - KBL PUNE			
DRAWING NO:	SCALE		DATE	
GLIS/HLC/SP-16.825 001/2011	AS INDICATED			