

**SECTION 2-2**  
(SCALE-1:100)

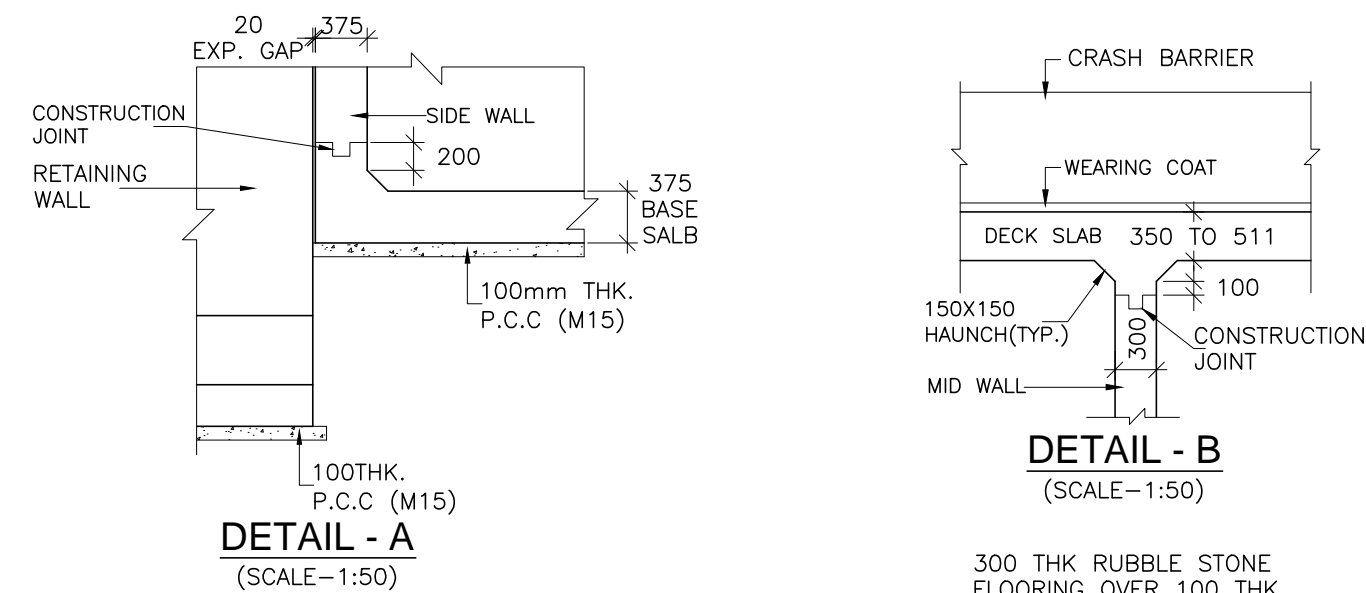
1. ALL DIMENSIONS ARE IN MILLIMETERS, LEVELS ARE IN METERS UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
2. CHAINAGE & LEVEL SHALL BE VERIFIED WITH THE RELEVANT PLAN & PROFILE DRAWINGS, VARIATION (IF ANY) SHALL BE REPORTED TO ENGINEER FOR MODIFICATION.
3. PROPERTIES OF SELECTED BACK FILL BEHIND RETAINING WALL SHALL BE AS FOLLOWS:—  
 $C=0$ ,  $\phi > 30^\circ$ ,  $\sigma = 2.0 \text{ t/m}^3$ .
4. EXPANSION GAP (20mm) WILL BE FILLED UP BY ASPHALTIC PLUG EXPANSION JOINT.
5. GRADE OF CONCRETE IN VARIOUS ELEMENTS SHALL BE AS FOLLOWS:—

PCC CURTAIN WALL	: M15
APPROACH SLAB	: M30
RCC BOX	: M30
RETAINING WALL	: M30
RCC RAILING	: M30
CRASH BARRIER	: M40
6. NET SAFE BEARING CAPACITY AT FOUNDING LEVEL FOR DESIGN IS AS FOLLOWS:—

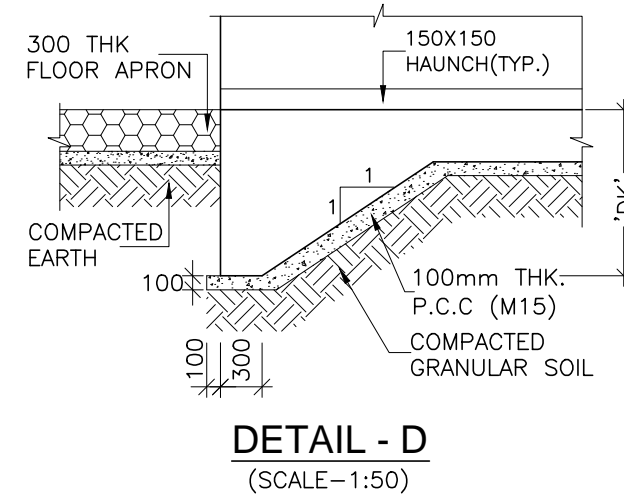
BOX	: 10 t/m <sup>2</sup>
RETAINING WALL	: 15 t/m <sup>2</sup>
7. WEEP HOLES SHALL BE PROVIDED @ 1000 MM C/C STAGGERED.  
BOTH HORIZONTALLY AND VERTICALLY IN RETAINING WALL FROM GROUND LEVEL TO HIGH FLOOD LEVEL.
8. BACKFILLING BEHIND BOX SHALL BE CARRIED OUT SIMULTANEOUSLY.
9. GRADE OF STEEL SHALL BE Fe-500D CONFORMING TO IS:1786.2008
10. 65MM THICK WEARING COAT SHALL CONSISTS OF LAYER OF OF MASTIC ASPHALT OF 25mm THK. OVER 40MM BITUMINOUS COURSE.
11. 'DK' IS DEPTH OF KEY AT BASE SLAB.

<u>FOR BASE SLAB THICKNESS</u>	<u>VALUE OF 'DK'</u>
UPTO 900mm	1200mm.
GREATER THAN 900mm	d+300mm

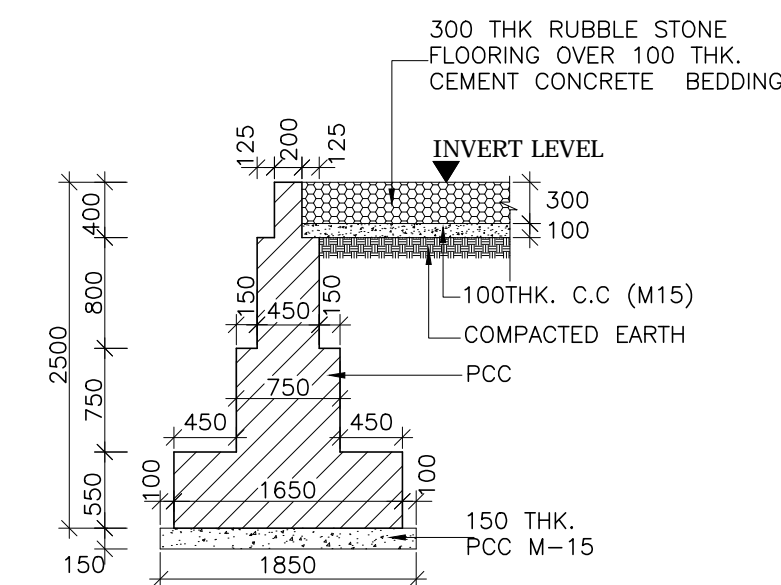
d = BASE SLAB THICKNESS
12. 600 THK. FILTER MEDIA SHALL BE PROVIDED BEHIND RETAINING WALL.
13. FOR DETAILS OF RETAINING WALL & FLOOR PROTECTION WORKS REFER SEPARATE DRAWINGS
14. THIS STRUCTURE LIES IN SEISMIC ZONE V.
15. FRL. IS TAKEN AT MEDIAN EDGE.



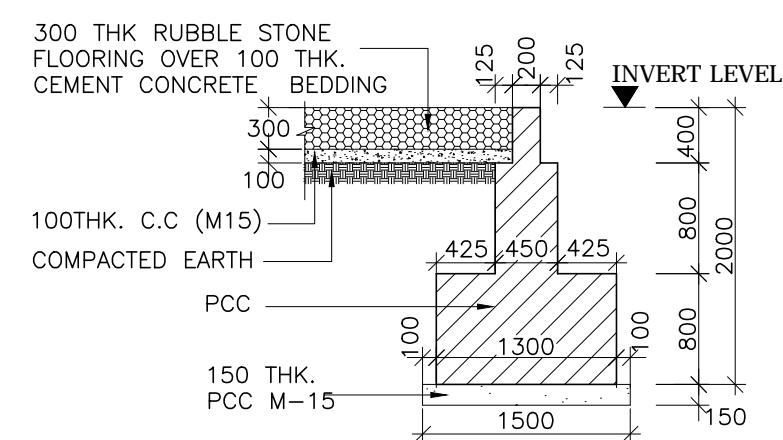
**DETAIL - A**  
(SCALE-1:50)



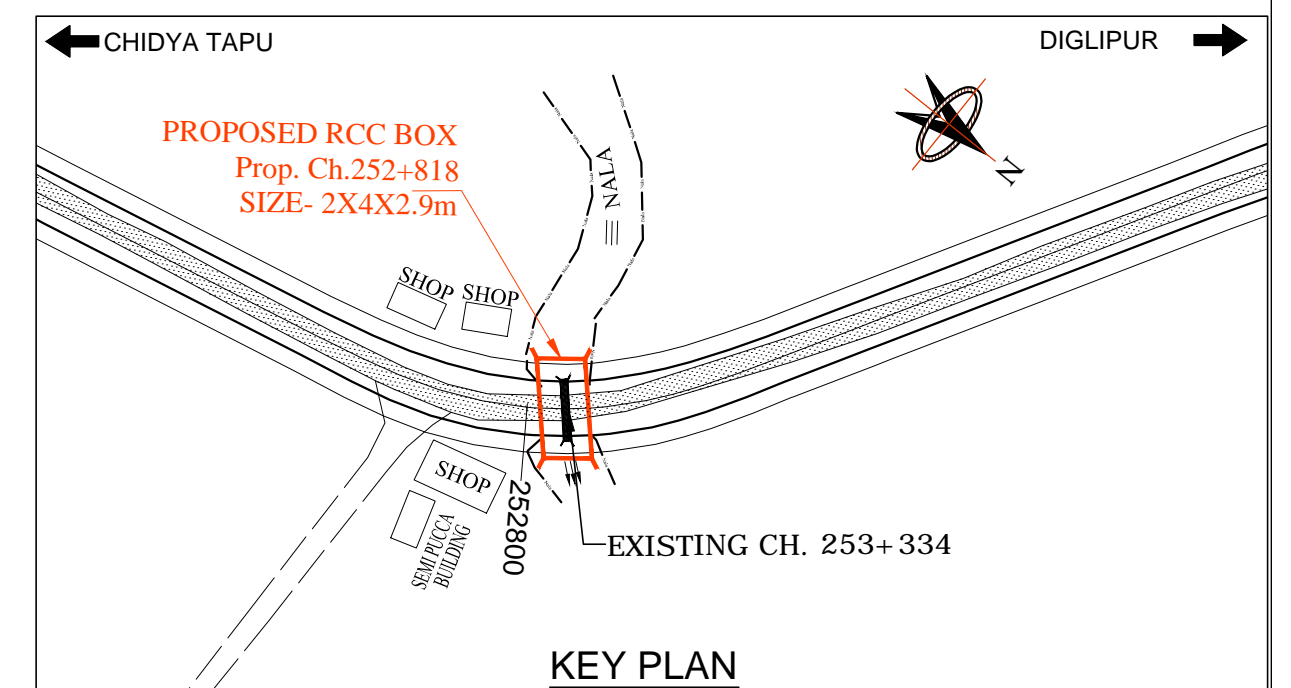
**DETAIL - D**  
(SCALE-1:50)



TYPICAL CROSS SECTION OF  
CURTAIN WALL TYPE-I (D/S)  
(SCALE 1:50)



TYPICAL CROSS SECTION OF  
CURTAIN WALL TYPE-II (U/S)  
(SCALE 1:50)



## KEY PLAN

DRAWING No :-		
CPC/P-70/NH-223/GAD/252+818/01		
NOVEMBER 2016		Revision: <b>R1</b>
PREPARED BY	CHECKED BY	APPROVED BY
SUNITA	MOHD. SALIK	NEERAJ