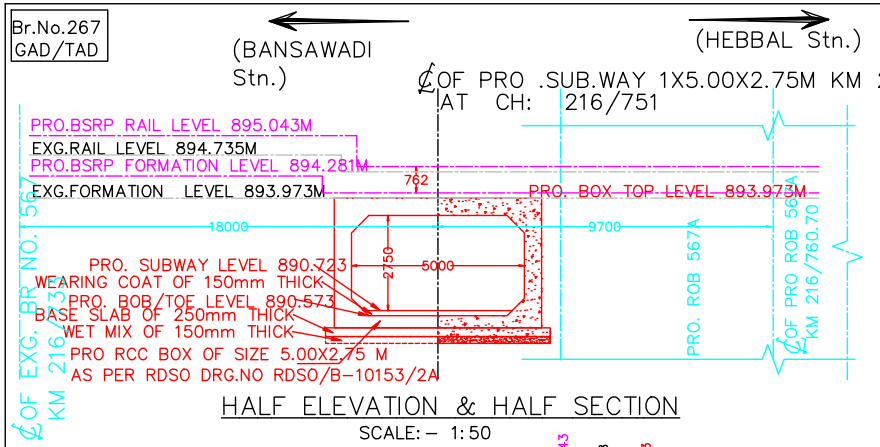
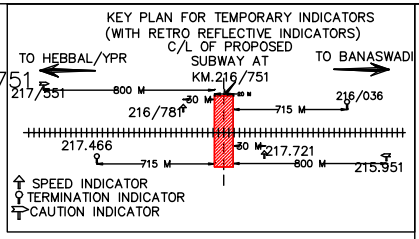
Br.No.267
GAD/TAD



HALF ELEVATION & HALF SECTION

SCALE:– 1:50



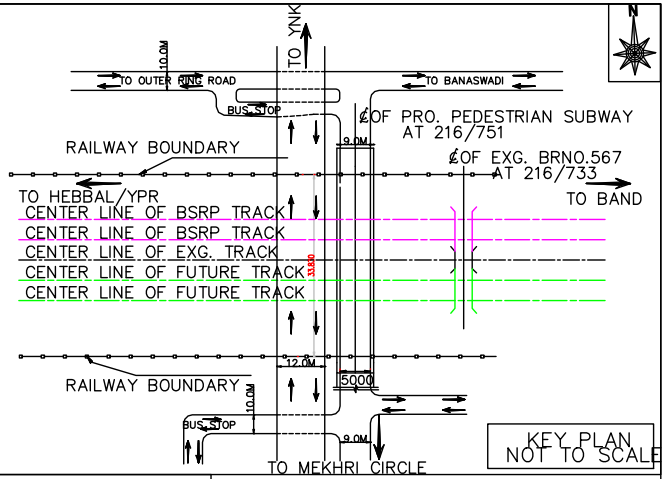
TEMPORARY ENGINEERING INDICATOR.

NECESSARY TEMPORARY ENGINEERING INDICATORS (RETRO REFLECTIVE) VIZ. CAUTION, SPEED AND TERMINATION INDICATORS TO BE PROVIDED SUITABLY BY THE ENGINEER –IN–CHARGE AT APPROACHES.

FOUNDATION PRESSURE
PMAX = 19.0 t/sq

REFERENCE DRAWINGS

SEGMENTAL PORTION	RDSO/B–10153/2A
CAST–IN–SITU	AS PER DESIGN



STAIR CASE DETAILS(BOTH WAY)

SLNO	DISCRIPTION	DIMENSIONS IN MM
1	RISE	120
2	TREAD	300
3	WAIST SLAB	150
	NO.OF RISE & TREAD IN EACH GOING	
4	GOING –1	10
5	GOING –2	10
	STEPS AT TOP LEVEL	
6	RISE(1)	115
7	TREAD(1)	300

DEPTH OF CONSTRUCTION	
RAIL 52 KG	156 mm
QR PAD	6 mm
PSC SLEEPER	210 mm
BALLAST CUSHION	300 mm
TOP SLAB THICKNESS	550 mm
EARTH CUSHION	828 mm
TOTAL	2050 mm

GRADES OF CONCRETE	
RCC BOX	M35
RCC RETAINING WALL	M30
WEARING COAT	M25
MCC	M25
PCC	M15

TRACK DETAILS	
LOADING	25T Loading–2008
ALIGNMENT	STRAIGHT
GRADE	F1 IN 100 (SA END)
RAIL LEVEL	895.210

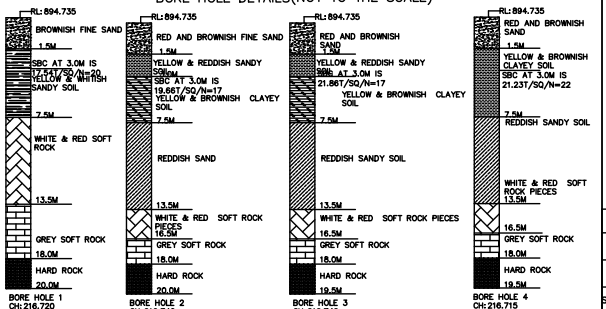
NOTE

1. PROPOSED WORK SHOWN IN RED .
2. PROPOSED ROB/BRIDGE WORK SHOWN IN CYAN.
3. ALL DIMENSION ARE IN MILLIMETER UNLESS OTHER WISE SPECIFIED.
4. MAXIMUM PRESSURE DEVELOPED AT BOTTOM SLEEPER MATTING 16T/SQM.
5. DO NOT SCALE THE DRAWING. FOLLOW WRITTEN DIMENSION ONLY.
6. MAXIMUM SPEED ON THE TEMPORARY ARRANGEMENT SHALL NOT EXCEED 20KMPH.

REFERENCE:

1. GENERAL ARRANGEMENT DRAWING NO.SWR/CN/BNC/BR/103–2017
2. FOR DETAILS OF 5.00X2.75 PRECAST SEGMENTAL RCC BOX & BASE SLAB SIMILAR TO RDSO DRG.NO.RDSO/B–10153/2A .

BORE HOLE DETAILS(NOT TO THE SCALE)



MODUS OPERANDI

STAGE –I PRE–BLOCK ACTIVITIES (WITHOUT BLOCK)

1. CAST THE PRE–CAST RCC BOX SEGMENTS OF REQUIRED SIZE AND LENGTH AND CURE PROPERLY.
2. CAST RCC PRE–CAST BASE SLABS OF REQUIRED SIZE & LENGTH AND CURE PROPERLY.
3. INSTALL TEMPORARY ENGINEERING INDICATORS AS PER THE SKETCH & IMPOSE NON–STOP 20 KMPH SPEED RESTRICTION.
4. KEEP THE 5HP PUMP WITH ONE STAND BY TO BAIL OUT DRAINAGE WATER AT THE LOCATION OF EARTH WORK.BEFORE AVAILING LINE BLOCK.

STAGE–II DURING LINE BLOCK ACTIVITIES (WITH LINE BLOCK & POWER BLOCK–I)

1. CUT THE TRACK & REMOVE FOR THE REQUIRED LENGTH.
2. REMOVE THE BPAC BOX AND REPLACE IT AT REQUIRED LOCATION.
3. CUT OPEN THE EARTH TO REQUIRED WIDTH LENGTH AND DEPTH OF SUBWAY.
4. PROVIDE SHORING ARRANGEMENTS IF REQUIRED AS PER INSTRUCTIONS OF ENGINEERING IN CHARGE
5. LEVEL THE FOUNDATION AND PUT THE WET–MIX LEVELING COURSE , LAUNCH THE BASE SLABS AND EXECUTE PRELIMINARY WORKS ASSOCIATED WITH LAUNCHING OF BOXES.
6. LAUNCH THE SEGMENTAL R.C.C BOX. UNITS OF REQUIRED LENGTH FOR FORMATION WIDTH FOR SINGLE LINE TRACK.
7. BACK FILL WITH COURSE /WET MIX. BACK FILLING MATERIALS & CONSOLIDATE PROPERTY.
8. LINK THE TRACK AS EXG. OVER SEGMENTAL BOX.
9. .ALLOW THE TRAFFIC UNDER CAUTION OF 20KMP/T.

STAGE –III AFTER LINE BLOCK LAUNCHING OF BALANCE SEGMENTAL BOXES (WITHOUT LINE BLOCK AND WITH POWER BLOCK)

1. LAUNCH THE BALANCE BOX SEGMENTS ACCORDING TO THE COMPLETE BARREL LENGTH OF THE PEDESTRIAN SUBWAY.
2. COMPLETE BOTH SIDE APPROACHES OF PEDESTRIAN SUBWAY AS PER PLAN & SITE CONDITIONS.

SPECIAL NOTE.

BEFORE EXECUTION OF THE WORK, ENGINEER IN–CHARGE SHALL ENSURE THAT THE MAXIMUM BASE PRESSURE AT BOTTOM LEVEL OF THE SLEEPER MATING IS LESS THAN THE SAFE BEARING CAPACITY OF SOIL AT THAT LOCATION.

SAFETY NOTES:

THE FOLLOWING SAFETY MEASURES HAS TO BE FOLLOWED:

a] ADEQUATE SAFETY MEASURES FOR RUNNING TRAINS SHALL BE ADOPTED WHILE DOING THE EARTH WORK BELOW THE TRACK

b] DURING CONSTRUCTION OF SUBWAY, THE EXISTING TRACK SHALL BE PROTECTED SUITABLY BY IMPOSING NECESSARY SPEED RESTRICTION BY PROVIDING TEMPORARY ENGINEERING INDICATORS.

c] DURING THE CONSTRUCTION OF PROPOSED SUBWAY PROPER SAFETY PRECAUTIONS TO BE TAKEN WHILE EXECUTING FOUNDATION WORK CLOSE TO THE EXISTING STRUCTURES FOUNDATION INCLUDING IMPOSING OF SPEED RESTRICTIONS IF REQUIRED.

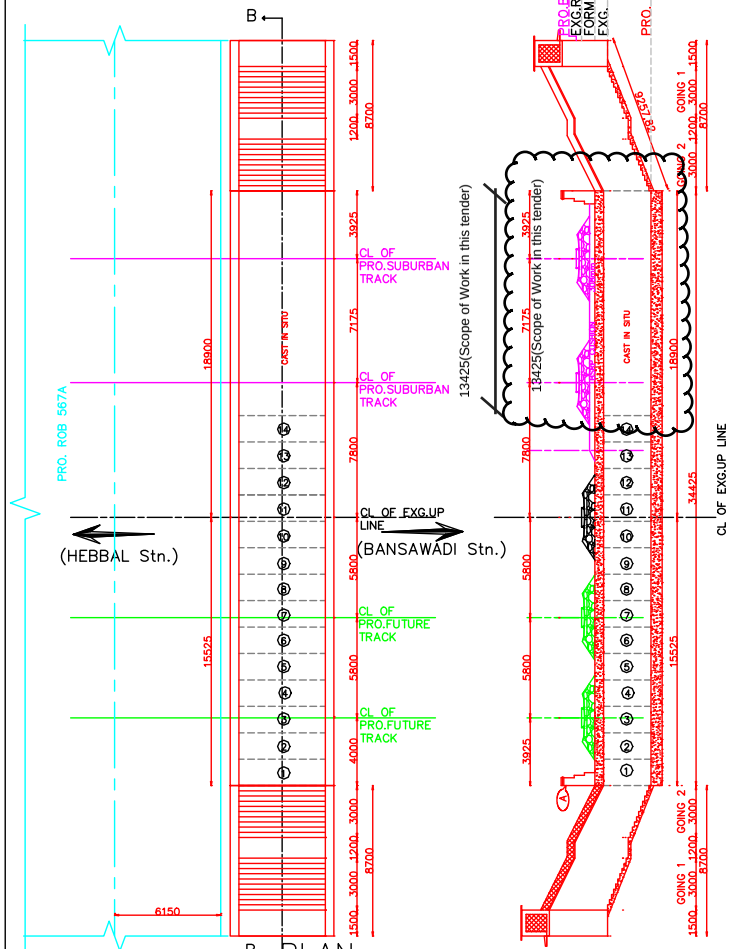
d] THE GRADUAL RELEASE OF SPEED RESTRICTION SHALL BE AS PER PARA 637–(1)(f) OF NEW IRPWM.

e] NECESSARY SHORING ARRANGEMENTS TO BE MADE TO PROTECT EXISTING STRUCTURE WHEREVER NECESSARY.

f] JOINT PROCEDURE ORDER ON SAFETY RELATED ISSUES PERTAINING TO WORK SITE IN CONSTRUCTION PROJECTS (JPO NO.W339/SAFETY PRECAUTION, DT: 18.02.2011) VIDE CTE LR. NO.SWR/W.247/SAFETY AT WORK SPOT DATED 20.06.2017 IS TO BE STRICTLY FOLLOWED.

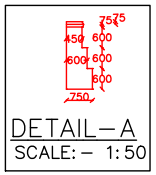
g] DURING EXECUTION OF WORK THE MATERIAL/EQUIPMENTS SUCH AS RELEASED MATERIAL ETC. SHOULD NOT INFRINGE THE TRAIN TRAFFIC. ALL SAFETY MEASURES TO BE TAKEN BY ENGINEER–IN–CHARGE DURING EXECUTION.

h] SUITABLE SAFETY BARRICADING HAS TO BE PROVIDED WHENEVER WORK IS BEING EXECUTED PARALLEL TO THE RUNNING TRACK.

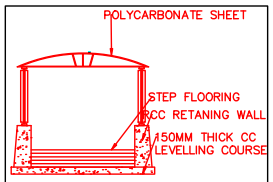


LONGITUDINAL SECTION ON B–B

SCALE:– 1:100



DETAIL–A
SCALE:– 1:50



SECTION
SCALE:– 1:50

Signature block	
XEN–W–2–CN–BNC	NIKHIL VIRDHI Digitally signed by NIKHIL VIRDHI Date:2023.10.28 01:30:22 +05'30'
DYCE–W–2–CN–BNC	
SSE–DESIGN–3–PND–CN–BNC	
AXEN–DESIGN–CN–BNC	
DY.CE–DESIGN–ST–CN–BNC	
CE–II–CN–BNC	
DYCEE–TRD–1–CN–BNC	
SrDEN–South –SBC	
SrDEN–Co–ord– SBC	
ADRM–T–SBC	
SrDEE–TRD–SBC	
AXEN–BRIDGE– HQ	
DYCE–BRIDGE– HQ	
CBE–SWR	

SOUTH WESTERN RAILWAY

RAILWAY LOADING : 25T/IRC LOADING – 2008
ROAD LOADING : IRC CLASS AA/70R
Pink Book No.130 OF 2016 – 17
Project ID: 30642

TEMPORARY ARRANGEMENT DRAWING FOR PROPOSED CONSTRUCTION OF PEDESTRAIN SUBWAY AS 1X5.0MX2.75M RCC BOX @ Km:216/751 (NEAR HEBBAL FLYOVER) BETWEEN BANASWADI & HEBBAL STATIONS.

SCALE : AS SHOWN

GAD.NO.

GENERAL ARRANGEMENT DRAWING