

Figure 1:- DRAINAGE SUMP ARRANGEMENT (NOT TO SCALE)

DEPTH OF CONSTRUCTION FROM EXISTING IR TO PRO. RAIL LEVEL	DEPTH OF CONSTRUCTION FROM BSPP TRACKS TO PRO. ROAD LEVEL
RAIL 60 kg	RUBBER PAD
PVC SLEEPER	PVC SLEEPER
BALLAST CUSHION	BALLAST CUSHION
EARTH CUSHION	EARTH CUSHION
TOP SLAB THICKNESS	TOP SLAB THICKNESS
BOX CLEAR HEIGHT	BOX CLEAR HEIGHT
TOTAL	TOTAL

EXISTING IR TRACK STRUCTURE	BSPP TRACK STRUCTURE
ALIGNMENT	ALIGNMENT
GRADIENT	GRADIENT
RAIL LEVEL	RAIL LEVEL
FORMATION LEVEL	FORMATION LEVEL
SKEW ANGLE	SKEW ANGLE
ANGLE OF CROSSING	ANGLE OF CROSSING

- SPECIAL NOTE: 3**
- BEFORE EXECUTION OF THE WORK, ENGINEER-IN-CHARGE SHALL ENSURE THAT THE SAFE BEARING CAPACITY OF SOIL AT FOUNDATION LEVEL FOR EACH ELEMENT OF BRIDGE IS LESS THAN THE SAFE BEARING CAPACITY OF SOIL AT THAT LOCATION.

- SPECIAL NOTE: 4**
- THIS GAD IS SUBJECTED TO MAINTAINING SAME LEVELS, ALIGNMENT, GRADE & TRACK CENTER DISTANCE AS THAT OF APPROVED WORKING SECTION / SECTIONS.
 - RAIL LEVEL, FORMATION LEVEL, ETC. SHOULD BE CROSS VERIFIED BY THE ENGINEER-IN-CHARGE BEFORE AND DURING EXECUTION OF WORK AT SITE AS PER LATEST APPROVED WORKING SECTION PLANS AND OTHER CONNECTED DRAWINGS IF ANY.
 - THE MINIMUM HORIZONTAL & VERTICAL DISTANCES HAS BEEN PROVIDED AS PER THE LATEST SDD FOR RAILWAYS.

CROSS SECTION OF RCC U-TYPE RETAINING WALL @ "C-C" AS PER DRG NO. SWR.2022/77/TYPE PLAN-02/1/TYPE RETAINING WALL-PROV. RAIL-1

ITEM	DESCRIPTION	QUANTITY	UNIT
1	CONCRETE	...	m ³
2	REINFORCEMENT	...	kg
3

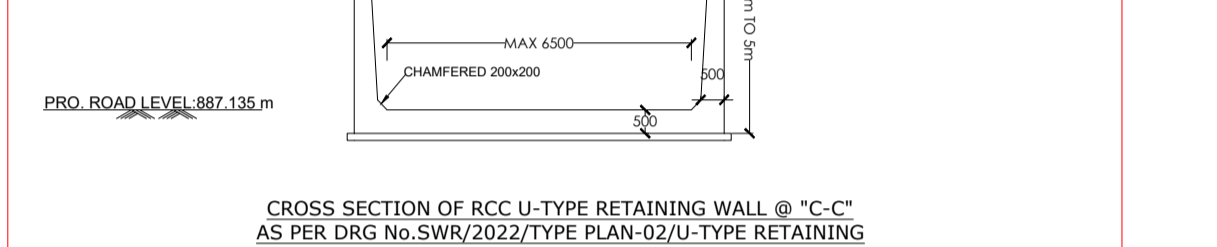
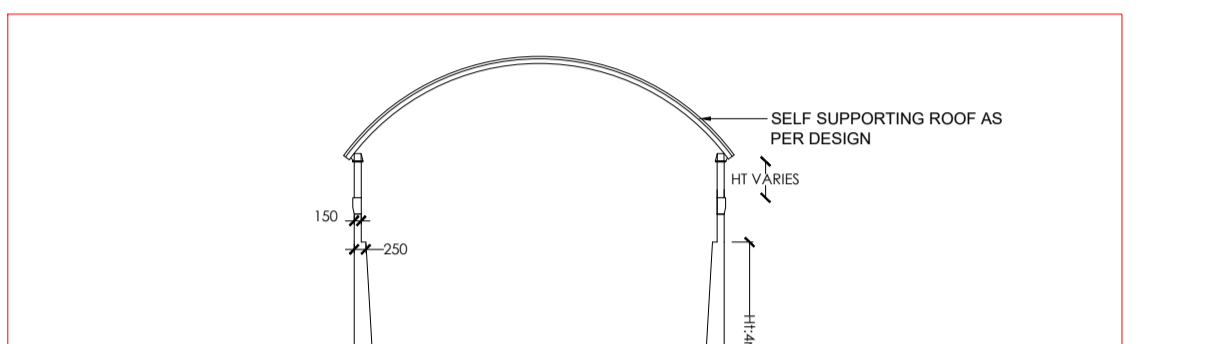
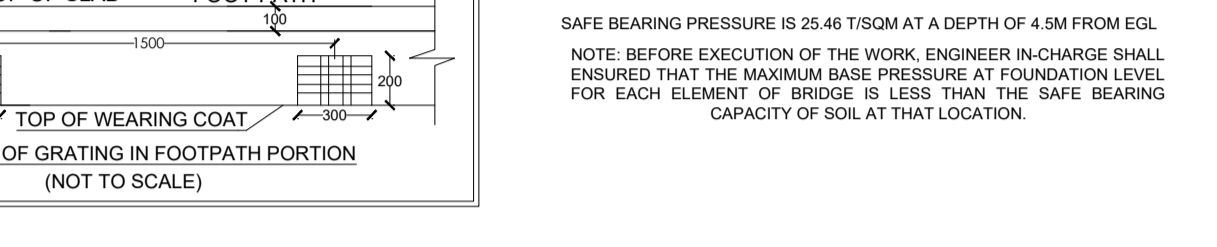
- SPECIAL NOTE: 5**
- AFTER CONSTRUCTION OF RUB, ENGINEER-IN-CHARGE SHOULD ENSURE THAT ALL THE SUITABLE ARRANGEMENTS ARE TO BE DONE TO AVOID THE ENTRY OF STORM WATER FROM BRIDGE 562.
 - ENGINEER-IN-CHARGE SHOULD BE ENSURED THAT THERE IS NO BACK FLOW OF WATER THROUGH DRAIN TOWARDS R/S SIDE FROM BRIDGE 484.

- SPECIAL NOTE: 6**
- BEFORE AND DURING EXECUTION OF WORK CONCERNED STATE GOVT OFFICIALS / ROAD AUTHORITY OFFICIALS SHOULD BE CONTACTED AND CONSENT TO BE TAKEN IN CONNECTION WITH TRAFFIC DIVERSION, DRAINAGE ARRANGEMENT, APPROACH ROAD SLOpes, RESPONSIBILITY RUB AND RESPONSIBILITY OF DRAINAGE MAINTENANCE.
 - SIGNED COPY OF MOU / AGREEMENT TO BE SUBMITTED TO HQ/SWR FOR RECORD.

- SPECIAL NOTE: 7**
- A RETAINING WALL OF ADEQUATE HEIGHT SHOULD BE CONTINUED FOR A SUFFICIENT LENGTH, PREFERABLY UP TO THE HUMPS AT BOTH SIDE APPROACHES OF RUB TO AVOID FLOODING OF WATER FROM SIDES.
 - ENGINEER-IN-CHARGE SHALL ENSURE THAT PROPER DRAINAGE ARRANGEMENTS SHALL BE PROVIDED, SO THAT RUNOFF FROM NEARBY CATCHMENT AREA SHALL NOT ENTER THE APPROACHES OF THE RUB.

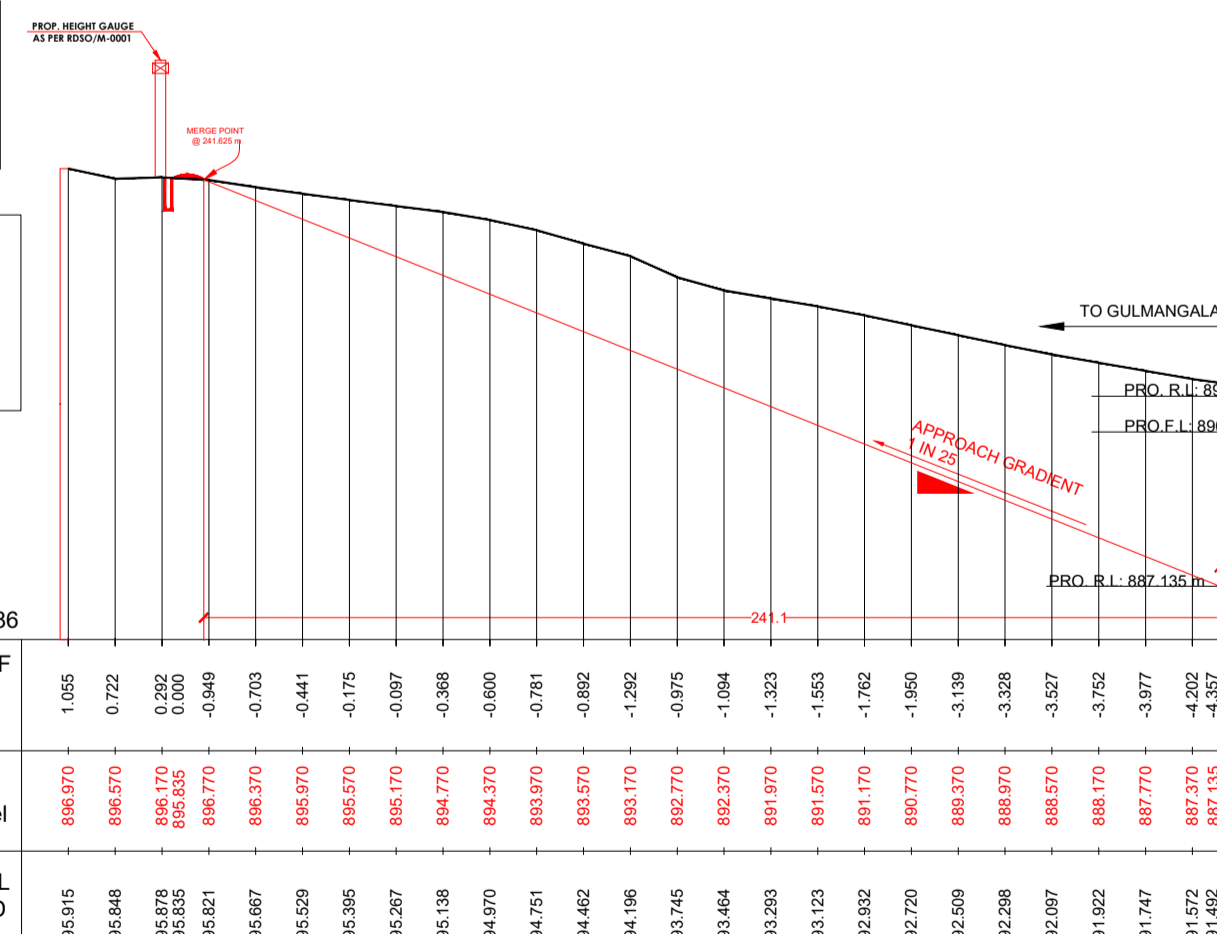
BOREHOLE LOG DETAILS-188 (DISTRICT NO. 91/123/4)

DEPTH (m)	NO.	SBC (kg/cm ²)
1.500		
4.800	26	25.45
4.800		25.45
7.600	44	43.08
10.900	61	49.96
13.200		49.96
15.500		49.96
18.000		50.00
19.5	50.00	
21.0	50.00	
22.50	50.00	
24.0	50.00	
25.500	50.00	
27.0	50.00	
28.500	50.00	
30.000	19.00	



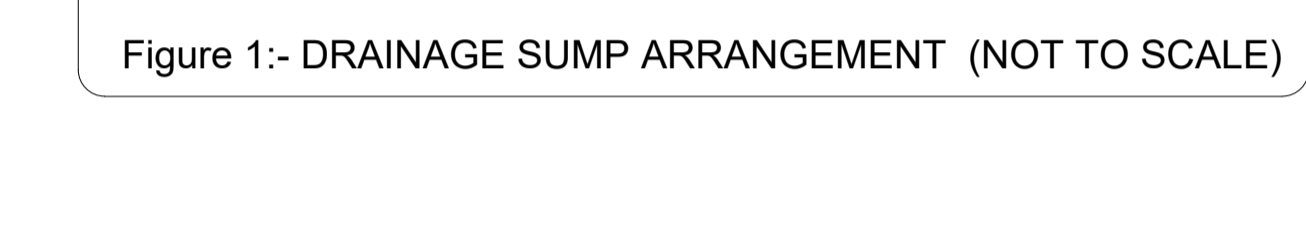
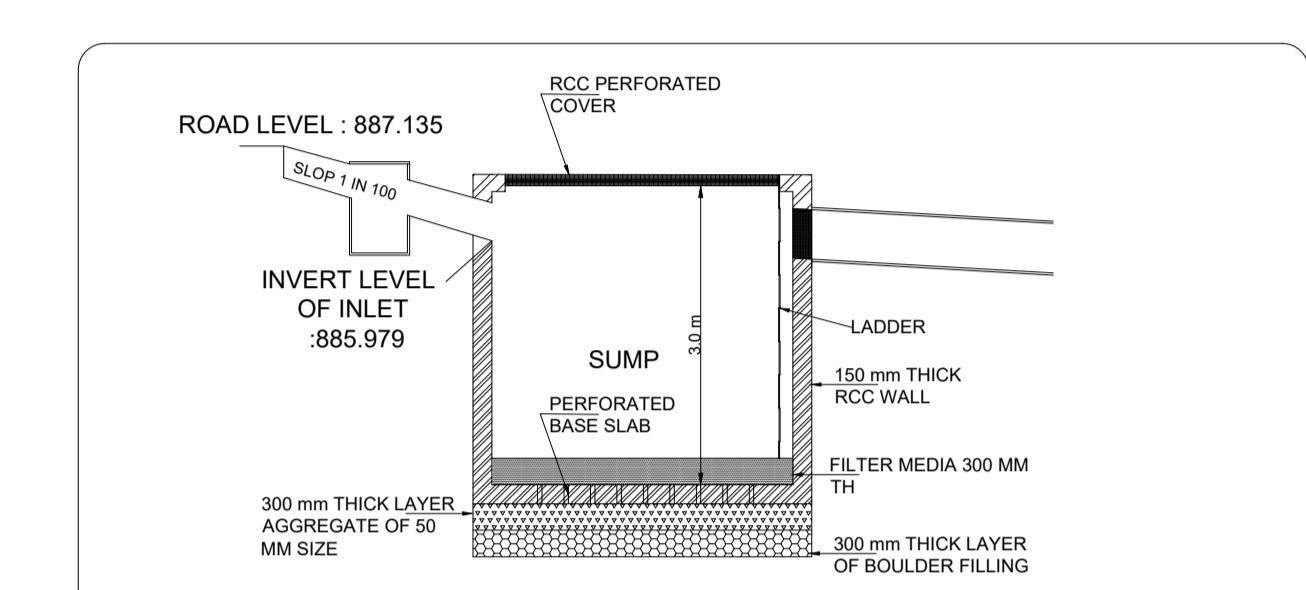
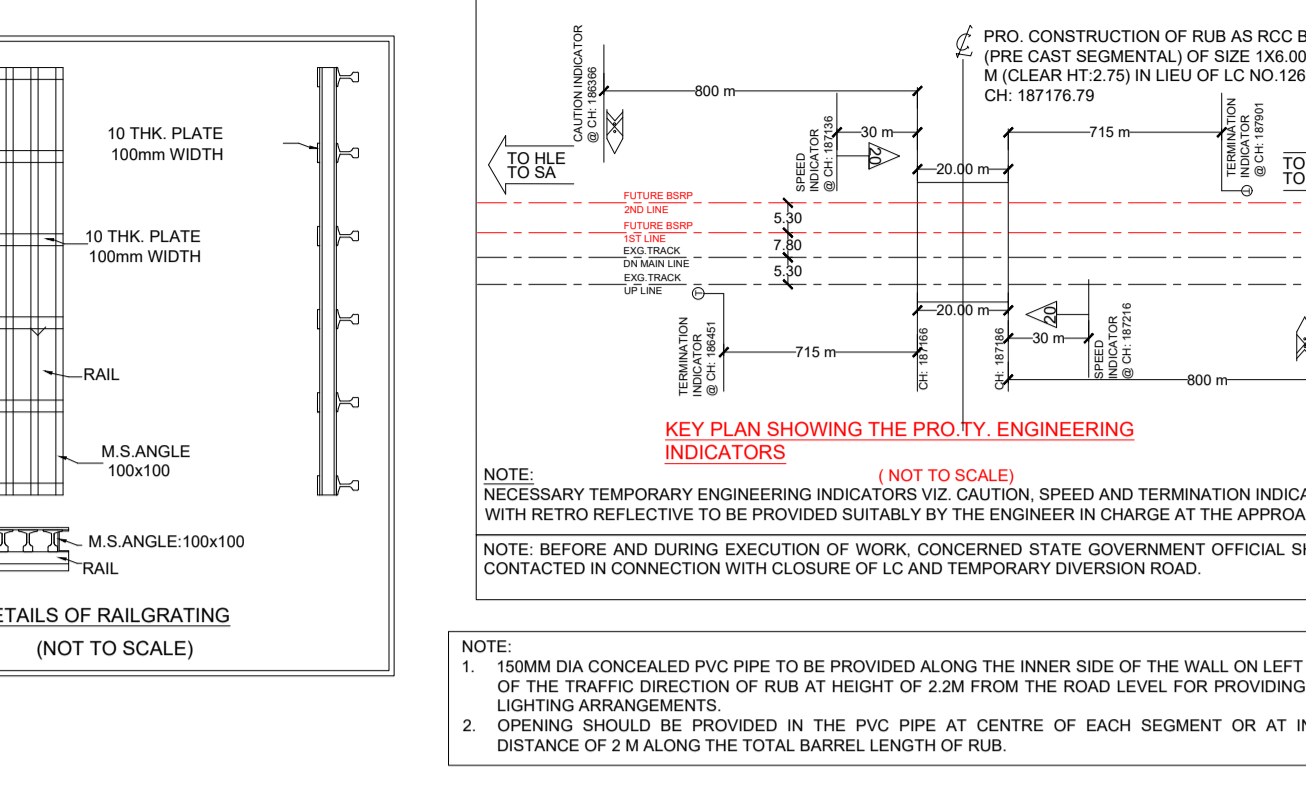
LONGITUDINAL SECTION FOR DRAINAGE ARRANGEMENT (SCALE: HORIZ. 1:100 VERT. 1:1000)

STATION	GRADE	DEPTH OF CUT	CHAINAGE
887.135
887.135
887.135



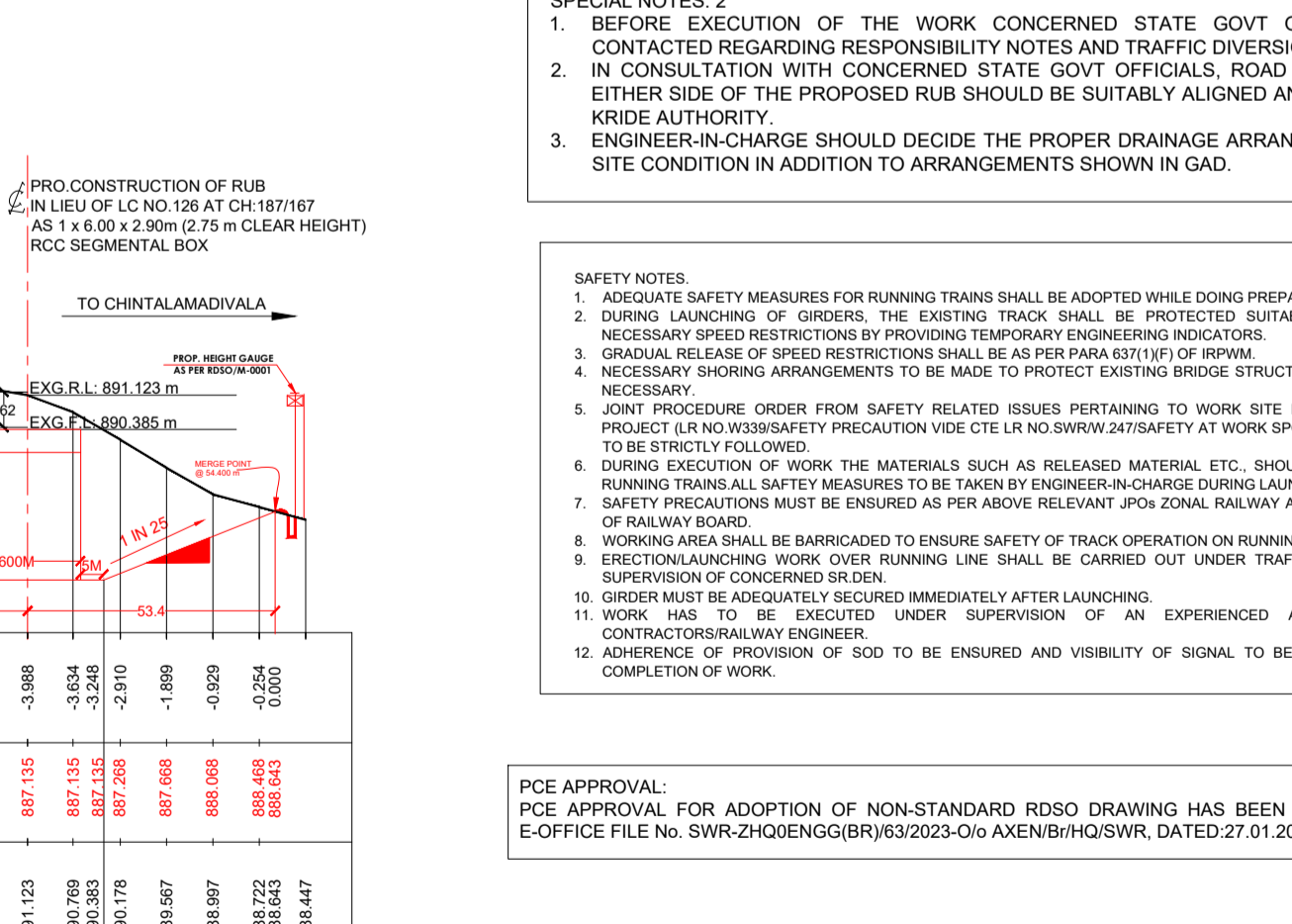
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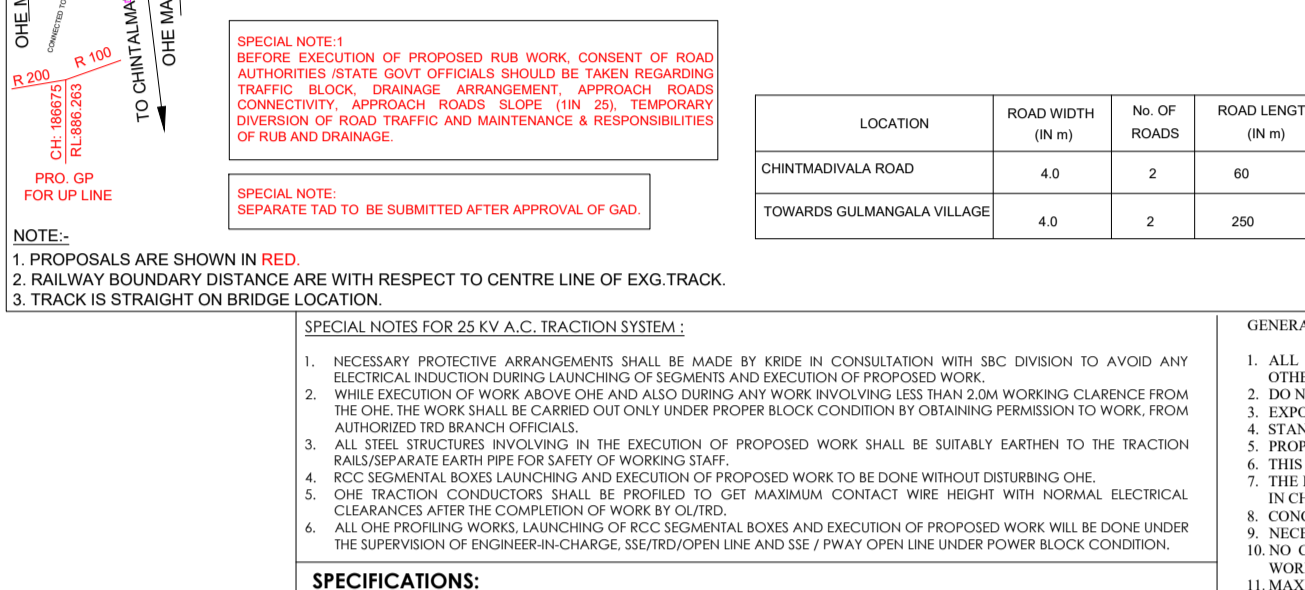
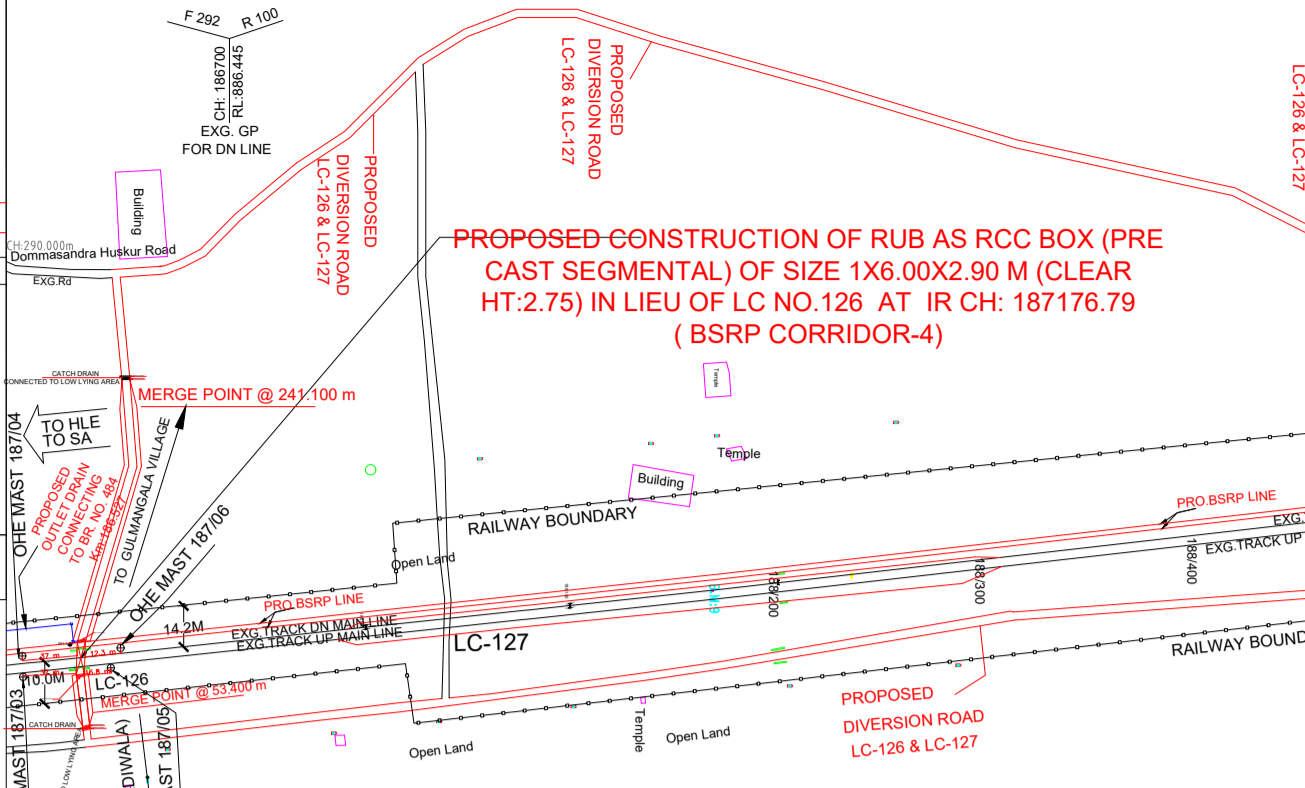
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STATION	GRADE	DEPTH OF CUT	CHAINAGE
887.135
887.135
887.135



- SPECIAL NOTE: 1**
- PROPOSALS ARE SHOWN IN RED.
 - RAILWAY BOUNDARY (DRAG) SHALL BE REFERRED TO CENTRE LINE OF EXIST. TRACK.
 - TRACK IS STRAIGHT ON BRIDGE LOCATION.

GRADE OF CONCRETE

LEVELLING COURSE	M10
WEARING COAT	M20
DOORING	M20
RCC BOX	M25
U-TYPE RETAINING WALL	M25

- RESPONSIBILITY NOTES:**
- THE WORK SHALL BE EXECUTED BY THE STATE GOVT OFFICIALS / ROAD AUTHORITY OFFICIALS.
 - TRAFFIC DIVERSION SHOULD BE PROVIDED BY THE STATE GOVT OFFICIALS.
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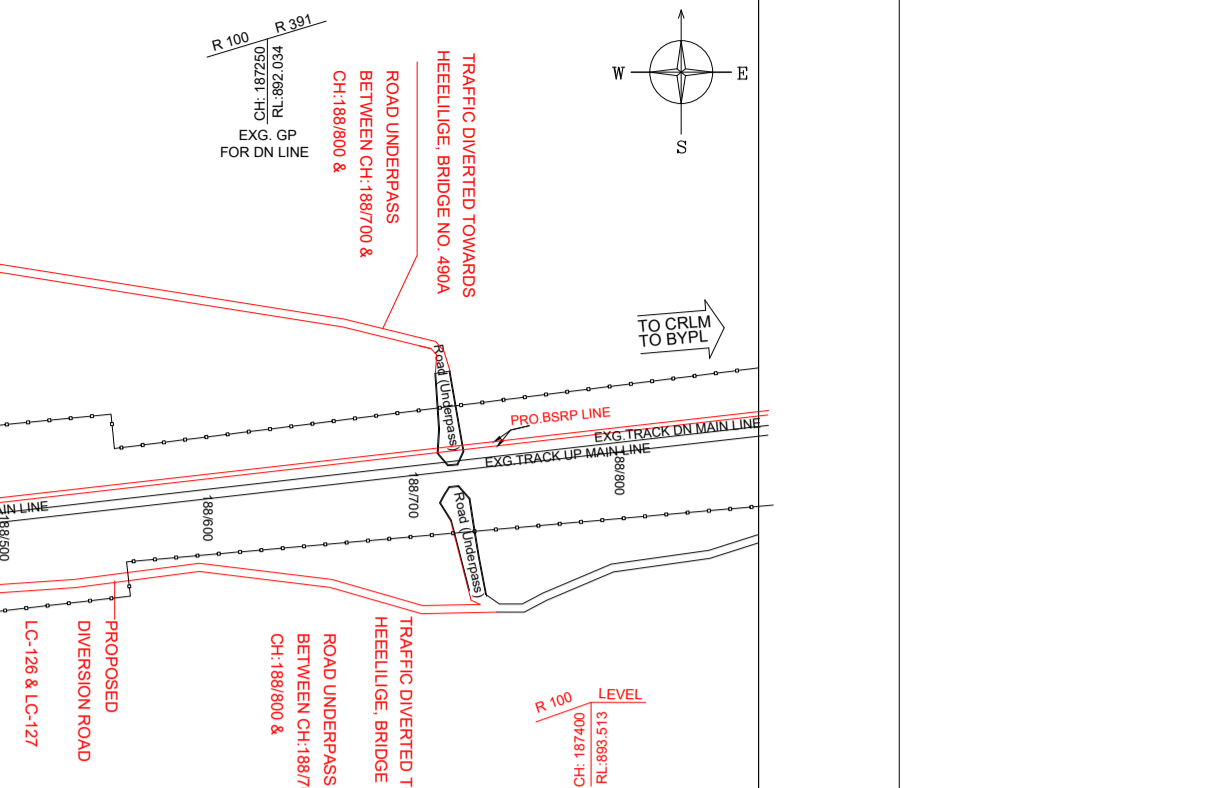
- MODES OPERATION:**
- ROAD TRAFFIC SHALL BE DIVERTED THROUGH THE TEMPORARY DIVERSION ROAD AS SHOWN IN KEY PLAN.
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- STAGE - I (PRELIMINARY)**
- CAST THE PRE-CAST RCC BOX SEGMENTS OF REQUIRED SIZE AND LENGTH AT SPECIFIED LOCATION AND CURE PROPERLY.
 - CAST THE PRE-CAST RCC BOX SEGMENTS OF REQUIRED SIZE AND LENGTH AT SPECIFIED LOCATION AND CURE PROPERLY.

- STAGE - II (DURING LINE AND POWER BLOCK FOR UP AND DOWN LINE - (HOURS)**
- DISCONNECT THE TRACKS, EXCAVATE THE EARTH AND PLACE STEEL DRYS STAKING AT A & B AND C.D.
 - PLACE THE TRACKS, EXCAVATE THE EARTH AND PLACE STEEL DRYS STAKING AT A & B AND C.D.

DESIGN APPROVAL

DESIGNER	CHECKED	APPROVED
...
...



GENERAL ARRANGEMENT DRAWING

LOCATION	ROAD WIDTH (m)	No. OF LANES	ROAD LENGTH (m)	AREA (Sq. M)
CHITRALWALA ROAD	4.0	2	80	480
TOWARDS GULMAMGALA VILLAGE	4.0	2	200	2000

- GENERAL NOTES:**
- ALL DIMENSIONS GIVEN IN THIS GAD ARE IN MM AND DECIMAL LEVELS (0.01 METRE) ARE IN UNLESS OTHERWISE SPECIFIED.
 - ALL SCALE THE DRAWINGS, ONLY WHEN DIMENSIONS SHALL BE FOLLOWED.
 - EXPLORE CONSTRUCTION IN WHITE.
 - STANDARD OF FINISHES: 12% ASSE LENDING, 20% STANDARD.
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FOUNDATION PRESSURE OF THE BRIDGE WILL BE CALCULATED AFTER THE APPROVAL OF GAD.

FOUNDATION PRESSURE	BRIDGE	ALLOWED	ACTUAL
...
...

- STAGE - III (DURING LINE AND POWER BLOCK FOR UP AND DOWN LINE - (HOURS)**
- DISCONNECT THE TRACKS, EXCAVATE THE EARTH AND PLACE STEEL DRYS STAKING AT A & B AND C.D.
 - PLACE THE TRACKS, EXCAVATE THE EARTH AND PLACE STEEL DRYS STAKING AT A & B AND C.D.

- STAGE - IV (DURING LINE AND POWER BLOCK FOR UP AND DOWN LINE - (HOURS)**
- DISCONNECT THE TRACKS, EXCAVATE THE EARTH AND PLACE STEEL DRYS STAKING AT A & B AND C.D.
 - PLACE THE TRACKS, EXCAVATE THE EARTH AND PLACE STEEL DRYS STAKING AT A & B AND C.D.

- STAGE - V (BETWEEN TRAIN TRIM)**
- CAST THE PRE-CAST RCC BOX SEGMENTS OF REQUIRED SIZE AND LENGTH AT SPECIFIED LOCATION AND CURE PROPERLY.
 - CAST THE PRE-CAST RCC BOX SEGMENTS OF REQUIRED SIZE AND LENGTH AT SPECIFIED LOCATION AND CURE PROPERLY.

DESIGN APPROVAL

DESIGNER	CHECKED	APPROVED
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DESIGN APPROVAL

FOR THE PROPOSED CONSTRUCTION OF RUB AS RCC BOX (PRE CAST SEGMENTAL) OF SIZE 1X6.00X2.0 M (CLEAR HT. 2.75) IN LIEU OF LC NO. 126 AT IR CH. 187176.79 (BSRP CORRIDOR-4) AT CH. 187176.79 (BSRP CORRIDOR-4)

DESIGN APPROVAL

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DESIGNER	CHECKED	APPROVED
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DETAIL OF EXISTING LC

LC NO	CHANGING	MANNED / UNMANNED	ENGINEERING CLASS	CLASS OF LC	INTERLOCKED / NON-INTERLOCKED	TVU
126	187100-200	MANNED	ENGINEERING	'A' CLASS	NON-INTERLOCKED	35/28 AUG 21

DESIGN APPROVAL

SI NO	ALTERATION NO	DESCRIPTION	SIGNATURE OF OFFICER
1			
2			

DESIGN APPROVAL

DESIGNER	CHECKED	APPROVED
...
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FOR THE PROPOSED CONSTRUCTION OF RUB AS RCC BOX (PRE CAST SEGMENTAL) OF SIZE 1X6.00X2.0 M (CLEAR HT. 2.75) IN LIEU OF LC NO. 126 AT IR CH. 187176.79 (BSRP CORRIDOR-4) AT CH. 187176.79 (BSRP CORRIDOR-4)

DESIGN APPROVAL

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