

KEY PLAN
NOT TO SCALE

- NOTES:
1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METERS UNLESS OTHERWISE MENTIONED.
 2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 3. ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS (GRADE Fe-415) CONFORMING TO IS: 1786.
 4. MINIMUM LAP LENGTH REQUIREMENT FOR W-35 SHALL BE AS PER IS: 456-1978.
 5. THE BRIDGE IS LOCATED IN SEISMIC ZONE IV.
 6. ENSURE PROPER COMPACTION OF SOIL BEHIND RETAINING WALLS.
 7. BEHIND RCC BOX, WELL HAND PAVED BOULDERS/CORBLES TO A THICKNESS NOT LESS THAN 150mm SHALL BE PROVIDED TO PROTECT THE BRIDGE FROM COLLISIONS & AS PER IS: 456-1978.
 8. MAXIMUM DESIGN PRESSURE ON FOUNDATION CONCRETE SHALL BE 22 T/M².
 9. FOR REINFORCEMENT DETAIL OF RCC BOX SEE DRAWING NUMBER RS/D/B-10162R AND RS/D/B-10162L/R.
 10. RCC BOX WITH KEY CONSTRUCTION SHALL BE AS PER DRAWING NUMBERS RS/D/B-10162R AND RS/D/B-10162L/R.
 11. ANY LEAKAGES AT JOINT.
 12. SUITABLE GRANULAR MATERIALS TO BE PROVIDED BELOW RCC BOX TO IMPROVE BEARING CAPACITY OF SOIL, IF REQUIRED.
 13. FOR ALL WORK DESIGN MIXED M35 WILL BE USED EXCEPT UNLESS OTHERWISE SPECIFIED.
 14. WATERPROOFING COMPOUND MIX WITH CONCRETE FOR WATERPROOFING.
 15. ON BOTH APPROACHES SHED WILL BE AS PER APPROVED CBE DRAWING NO. B/H/S/PBE-527/11/06-19.
 16. BEHIND RCC BOX, WELL HAND PAVED BOULDERS/CORBLES TO A THICKNESS NOT LESS THAN 150mm SHALL BE PROVIDED TO PROTECT THE BRIDGE FROM COLLISIONS & AS PER IS: 456-1978.
 17. TOP OF RETAINING WALL SHALL BE KEPT MINIMUM 500 MM ABOVE THE EXISTING GROUND LEVEL AT ALL LOCATIONS IN APPROACH.
 18. BEFORE EXECUTION OF WORK FEASIBILITY WILL BE CHECKED BY SITE ENGINEER.
 19. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS, PLANS & LINE SHOULD BE KEPT INTACT TILL THE ENTIRE WORK IS COMPLETED.
 20. HEIGHT GAUGE, SPEED BREAKER WARNING BOARD ETC SHOULD BE PROVIDED ON BOTH END OF THE SUBWAY.
 21. RCC WATER COLLECTION CHAMBER FOR THE RAINWATER, INFILTRATING INTO THE APPROACHES SHALL BE PROVIDED TO PREVENT THE INGRESS OF GROUND WATER INTO THE WALL SO THAT NO INGRESS OF GROUND WATER IN IT.
 22. TYPICAL PLAN FOR HUMPIE PIPE CULVERT HAS BEEN SHOWN IN THE DRAWING FOR CONSTRUCTION AT APPROACHES IF REQUIRED.
 23. AS THE GROUND WATER LEVEL IS HIGH ALL THE NECESSARY PRECAUTIONS TO BE TAKEN SHOULD BE FOLLOWED AS PER SITE CONDITION.
 24. RECOMMENDATION GIVEN IN RY BO'S LETTER NO. 2017/CE-IV/H/S/880T/22/04/2020 SHOULD BE FOLLOWED AS PER SITE CONDITION.
 25. LAND WILL BE ACQUIRED AS PER SITE CONDITION.
 26. U-TYPE RETURN WALL AS PER APPROVED CBE DRG. NO. B/H/S/PBE-527/11/06-19.
 27. THE PROPOSED ROAD SHALL BE KEPT MINIMUM 500 MM ABOVE THE EXISTING GROUND LEVEL IN THE APPROACH ROAD TO BE AVOIDED.
 28. SHARP CURVE IN THE APPROACH ROAD SHALL BE KEPT MINIMUM 500 MM ABOVE THE EXISTING GROUND LEVEL.
 29. SOIL BEARING CAPACITY AFTER STRENGTHENING OF SOIL AND CONFIRMED BY PLATE LOAD TEST SHOULD BE MENTIONED IN COMPLETION PLAN.
 30. HUMP AND STEEL GRATING DRAIN COVER AS PER DRAWING NO. B-10159.

AUTHORITY OF WORK
PINK BOOK- 2024-25
PAGE NO.-4:2:1
ITEM NO. - 35

LEGEND

F.L.	FORMATION LEVEL
R.L.	RAIL LEVEL
B.L.	BED LEVEL
PROP.	PROPOSED
THK.	THICKNESS
CH.	CHAINAGE
PGC	PLAN CEMENT CONCRETE
RCC	REINFORCED CEMENT CONCRETE
BR.	BRIDGE
BOF.	BOTTOM OF FOUNDATION
P.R.L.	PROPOSED ROAD LEVEL
EXG.	EXISTING

CONSTRUCTION DEPTH

1) RAIL (600g)	172 mm
2) RUBBER PAD	10 mm
3) WIDER PSC SLEEPER	230 mm
HEIGHT AT RAIL SEAT	350 mm
4) MINIMUM BALLAST THK.	782 mm
TOTAL	

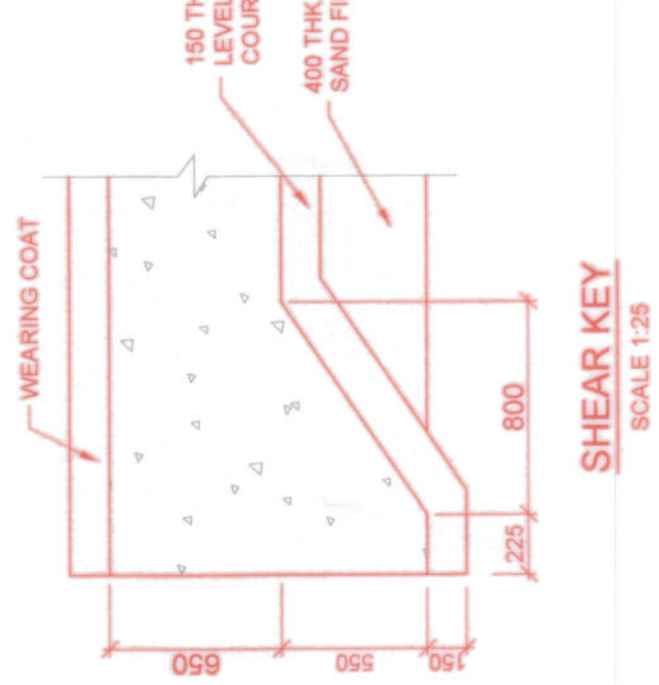
TRACK DETAILS

PROP R.L.	111.472 m
PROP F.L.	110.710 m
HORIZONTAL ALIGNMENT	-

COLOR CODE LEGEND

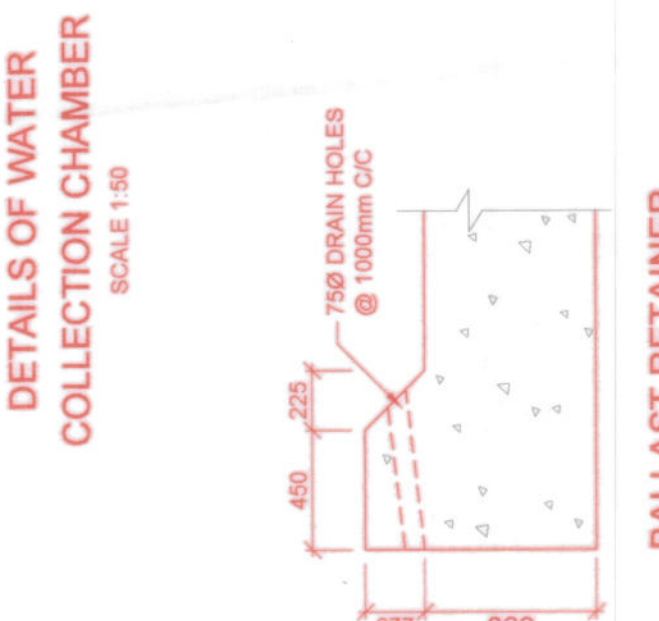
RED	PROPOSED
CONTINUOUS	VISIBLE
DOTTED	INVISIBLE
BLACK	EXISTING

PLAN



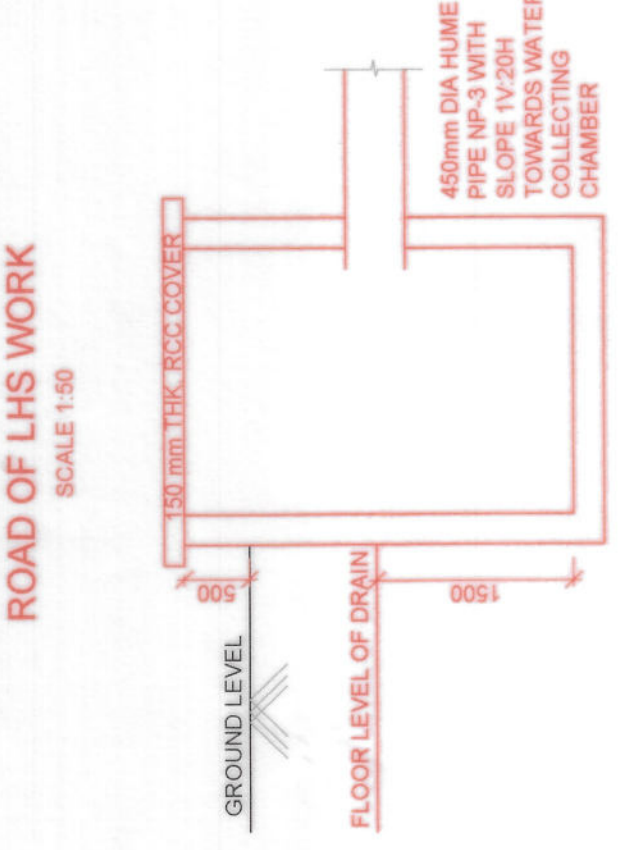
SHEAR KEY
SCALE 1:25

PLAN

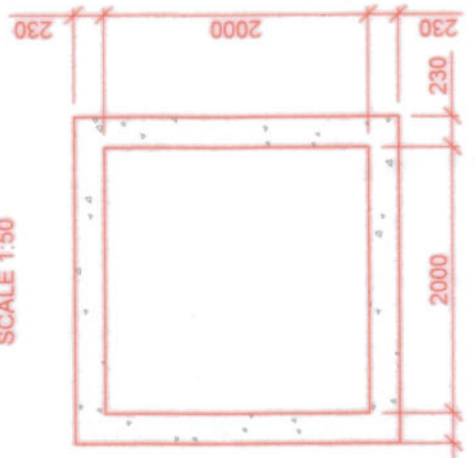


BALLAST RETAINER
SCALE 1:25

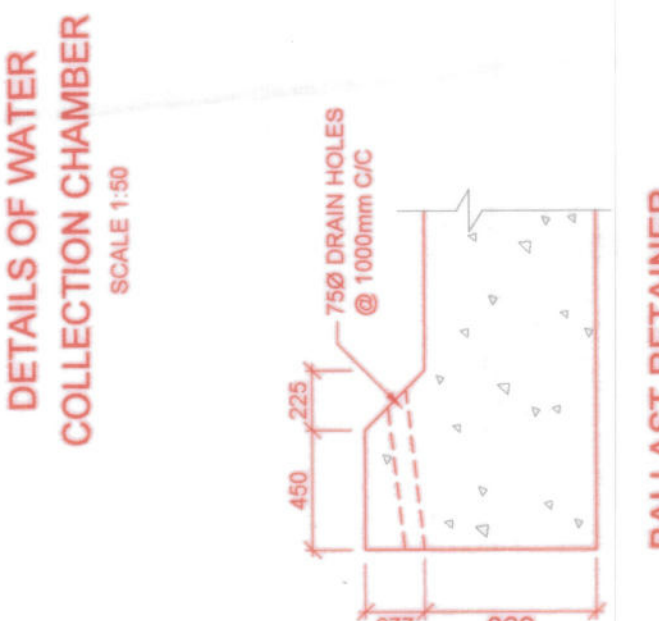
TYPICAL SECTION OF CROSS
HUMPIE PIPE DRAIN IN APPROACH
ROAD OF LHS WORK
SCALE 1:50



ELEVATION



PLAN



BALLAST RETAINER
SCALE 1:25

CHAINAGE (M)	PRO. ROAD LEVEL (M)	GROUND LEVEL (M)	CH. 100m C/C	CH. 200m C/C	CH. 300m C/C	CH. 400m C/C	CH. 500m C/C	CH. 600m C/C	CH. 700m C/C	CH. 800m C/C	CH. 900m C/C	CH. 1000m C/C	CH. 1100m C/C	CH. 1200m C/C	CH. 1300m C/C	CH. 1400m C/C	CH. 1500m C/C	CH. 1600m C/C	CH. 1700m C/C	CH. 1800m C/C	CH. 1900m C/C	CH. 2000m C/C	CH. 2100m C/C	CH. 2200m C/C	CH. 2300m C/C	CH. 2400m C/C	CH. 2500m C/C	CH. 2600m C/C	CH. 2700m C/C	CH. 2800m C/C	CH. 2900m C/C	CH. 3000m C/C	CH. 3100m C/C	CH. 3200m C/C	CH. 3300m C/C	CH. 3400m C/C	CH. 3500m C/C	CH. 3600m C/C	CH. 3700m C/C	CH. 3800m C/C	CH. 3900m C/C	CH. 4000m C/C	CH. 4100m C/C	CH. 4200m C/C	CH. 4300m C/C	CH. 4400m C/C	CH. 4500m C/C	CH. 4600m C/C	CH. 4700m C/C	CH. 4800m C/C	CH. 4900m C/C	CH. 5000m C/C	CH. 5100m C/C	CH. 5200m C/C	CH. 5300m C/C	CH. 5400m C/C	CH. 5500m C/C	CH. 5600m C/C	CH. 5700m C/C	CH. 5800m C/C	CH. 5900m C/C	CH. 6000m C/C	CH. 6100m C/C	CH. 6200m C/C	CH. 6300m C/C	CH. 6400m C/C	CH. 6500m C/C	CH. 6600m C/C	CH. 6700m C/C	CH. 6800m C/C	CH. 6900m C/C	CH. 7000m 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