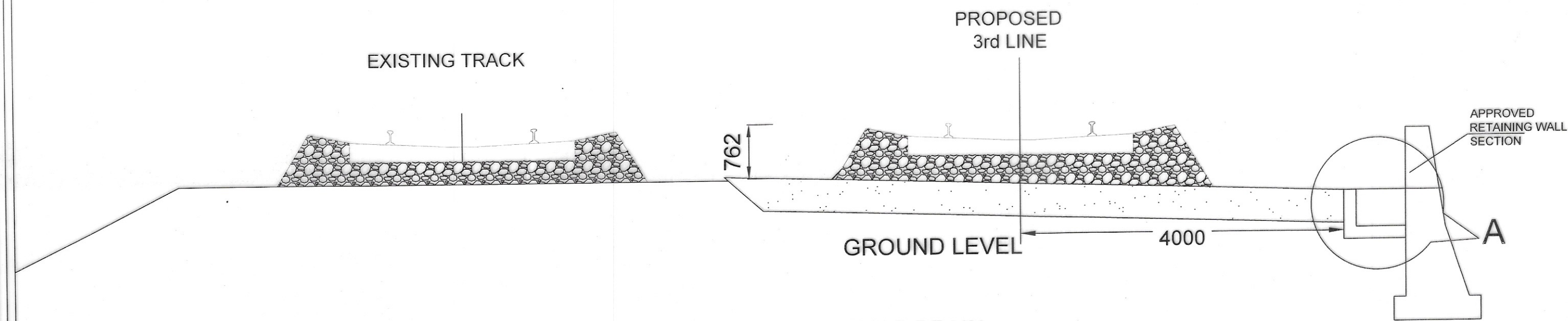
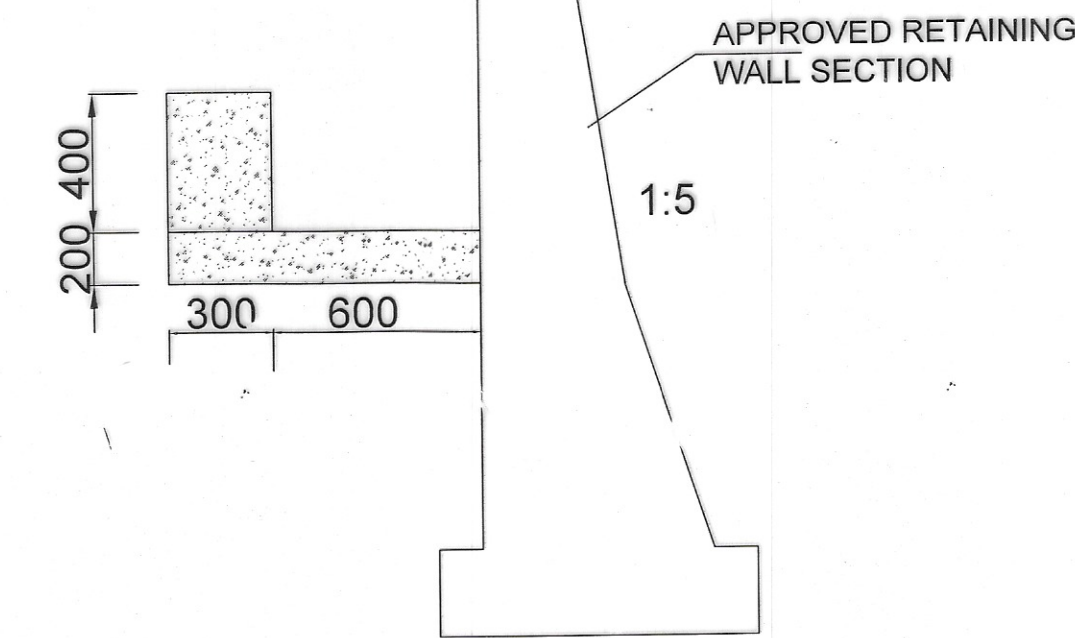


PROPOSED DRAIN IN CUTTING SECTION AT RETAINING WALL PORTION



CROSS SECTION OF SIDE DRAIN



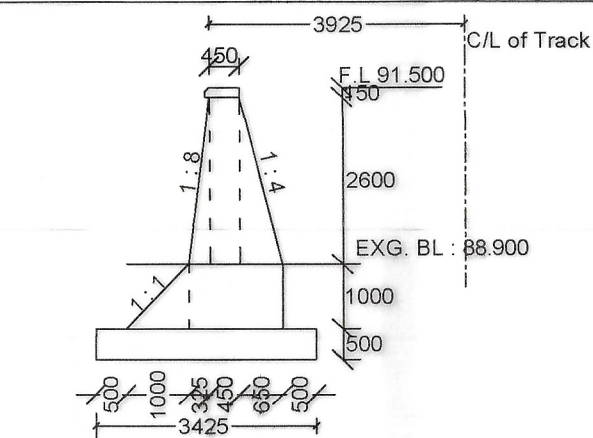
DETAILS OF SECTION -A

- NOTES:**
1. ALL THE DIMENSIONS ARE IN MM.
 2. DRAIN CONCRETE GRADE IS-1:2:4 (20MM CA).
 3. BOTTOM OF DRAIN SHOULD BE REST ON WELL COMPACTED HARD STRATA.
 4. LONGITUDINAL SLOPE OF DRAIN SHALL BE ENSURED FOR DEVELOPMENT OF SELF CLEANING VELOCITY.
 5. CLEAR WIDTH & DEPTH CAN BE INCREASED AS PER DISCHARGE.

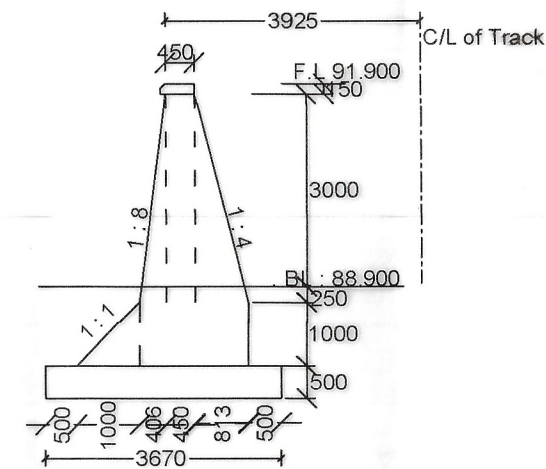
CAO/GID/RC/883-2023

SOUTH CENTRAL RAILWAY
DRAIN IN CUTTING SECTION AT RETAINING WALL PORTION
NEKONDA - DORNAKAL (JN) THIRD LINE PROJECT
DRAWING NO : KPTL-NKD-DKJ-DRAIN-02

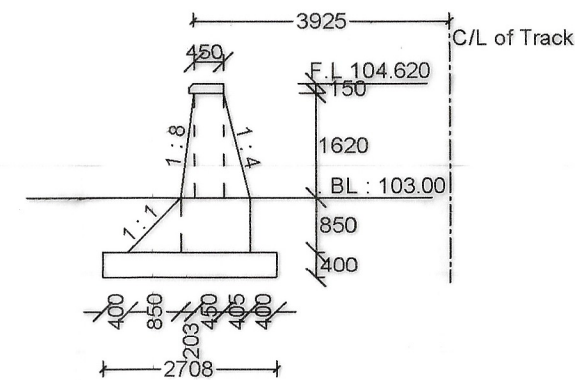
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CE/C-IV/SC	DY.CE/C/D	AXEN/C/D	SSE/DESIGN	Dy.CE/C/III/SC	PMC	KPTL



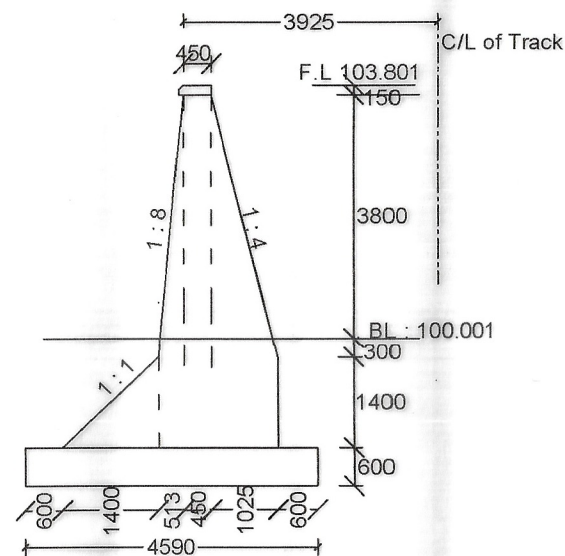
C/S. OF RETAINING WALL AT MAX
HEIGHT @ Ch. 501650-502400
MAX PRESSURE ON SOIL : 10.00 t/sqm



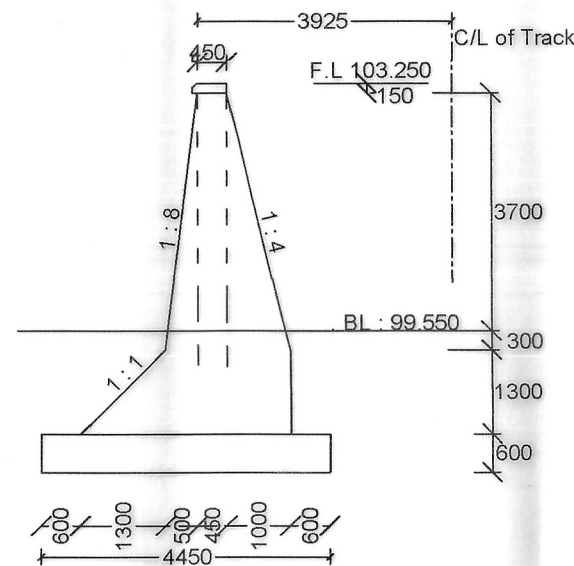
C/S. OF RETAINING WALL AT MAX
HEIGHT @ Ch. 501500-501650 &
502400-502550
MAX PRESSURE ON SOIL : 13.00 t/sqm



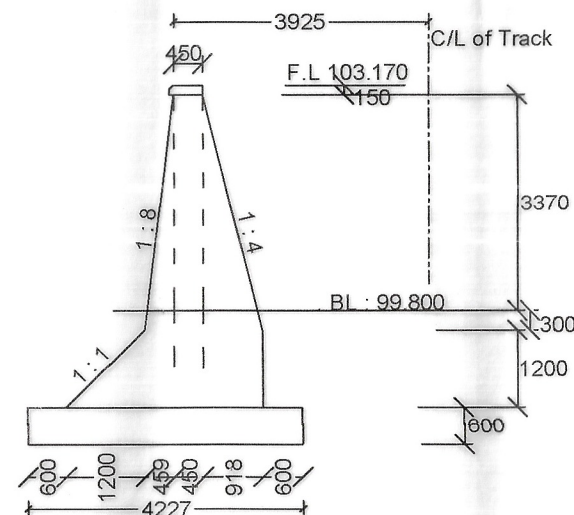
C/S. OF RETAINING WALL AT MAX
HEIGHT @ Ch. 494400-494575
MAX PRESSURE ON SOIL : 7.00 t/sqm



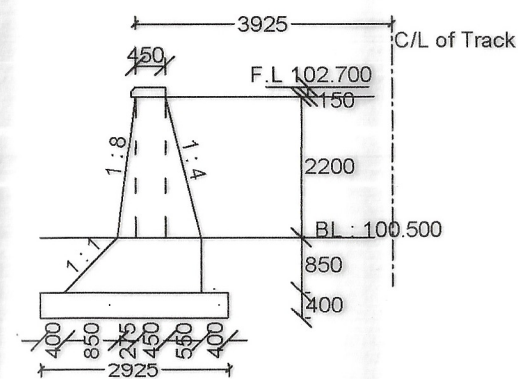
C/S. OF RETAINING WALL AT MAX
HEIGHT @ Ch. 494575-494775
MAX PRESSURE ON SOIL : 17.00 t/sqm



C/S. OF RETAINING WALL AT MAX
HEIGHT @ Ch. 494775-494900
MAX PRESSURE ON SOIL : 17.00 t/sqm



C/S. OF RETAINING WALL AT MAX
HEIGHT @ Ch. 494900-494950
MAX PRESSURE ON SOIL : 15.00 t/sqm



C/S. OF RETAINING WALL AT MAX
HEIGHT @ Ch. 494950-495100
MAX PRESSURE ON SOIL : 8.00 t/sqm

NOTES:

- ALL DIMENSIONS ARE SHOWN IN MILLIMETRES.
- CEMENT CONCRETE FOR M.C.C. SHALL BE M20 GRADE USING 40mm MAXIMUM SIZE GRADED HARD STONE AGGREGATE OF APPROVED QUALITY.
- ALL CONCRETE WORKS SHALL INVARIABLY BE VIBRATED.
- STRICT SUPERVISION AND CONTROL ARE REQUIRED TO BE EXERCISED DURING THE COURSE OF EXECUTION. THE ENGINEER-IN-CHARGE SHALL PERSONALLY CHECK.
- ALL WORKS AND MATERIALS SHALL CONFORM TO INDIAN RAILWAY UNIFIED STANDARD SPECIFICATIONS FOR MATERIALS AND WORKS 2019. OR LATEST.
- EXPOSURE CONDITION : "MODERATE".
 - MAX. WATER CEMENT RATIO : 0.5
 - MIN. CEMENTITIOUS MATERIAL CONTENT : 240 Kg/m³
- THIS DRAWING SHALL NOT BE SCALED OR NOT TO COUNT THE BARS ONLY WRITTEN DIMENSIONS AND SPACINGS OF THE BARS SHALL BE FOLLOWED.
- ALL WEEP HOLES OF 75/100mm DIA PVC PIPES ARE TO BE PROVIDED @ 1000mm C/C BOTH HORIZONTALLY AND VERTICALLY IN STAGGERED MANNER IN RETAINING WALL.
- THE SOIL DETAILS (SILTY SAND) AS PER DY.CE/C-III/SC'S Lr.No. W.CON.DY.CE/C-III/SC/KZJ-KI/Reach - 3/Retaining walls, dt: 13-07-2022.

REFERENCE:

THE DETAILS MENTIONED IN THE DRAWING ARE AS PER DY.CE/C-III/SC'S Lr.No.W.CON.DY.CE/C-III/SC/KZJ-KI/Reach - 3/Retaining walls, dt: 13-07-2022.

SOUTH CENTRAL RAILWAY

CAO/C/O/SC DRG.NO.CAO/C/D/RC/329-2022.

SECUNDERABAD DIVISION

KAZIPET - KONDAPALLI SECTION 3RD LINE

M.C.C. DETAILS OF RETAINING WALLS IN REACH - 3

SCALE: 1:100

CE/C/IV/SC

{G.RAMESH KUMAR REDDY}

DYCE/C/DESIGNS/SC

{M.H. MALLIKARJUNA}

AXEN/C/DES-III/SC

{M.SRIDHAR RAO}

SSE/D-II/C/SC

{BIRENDRA KUMAR}

SSE/RCC/C/SC

{V.SASHI REKHA}