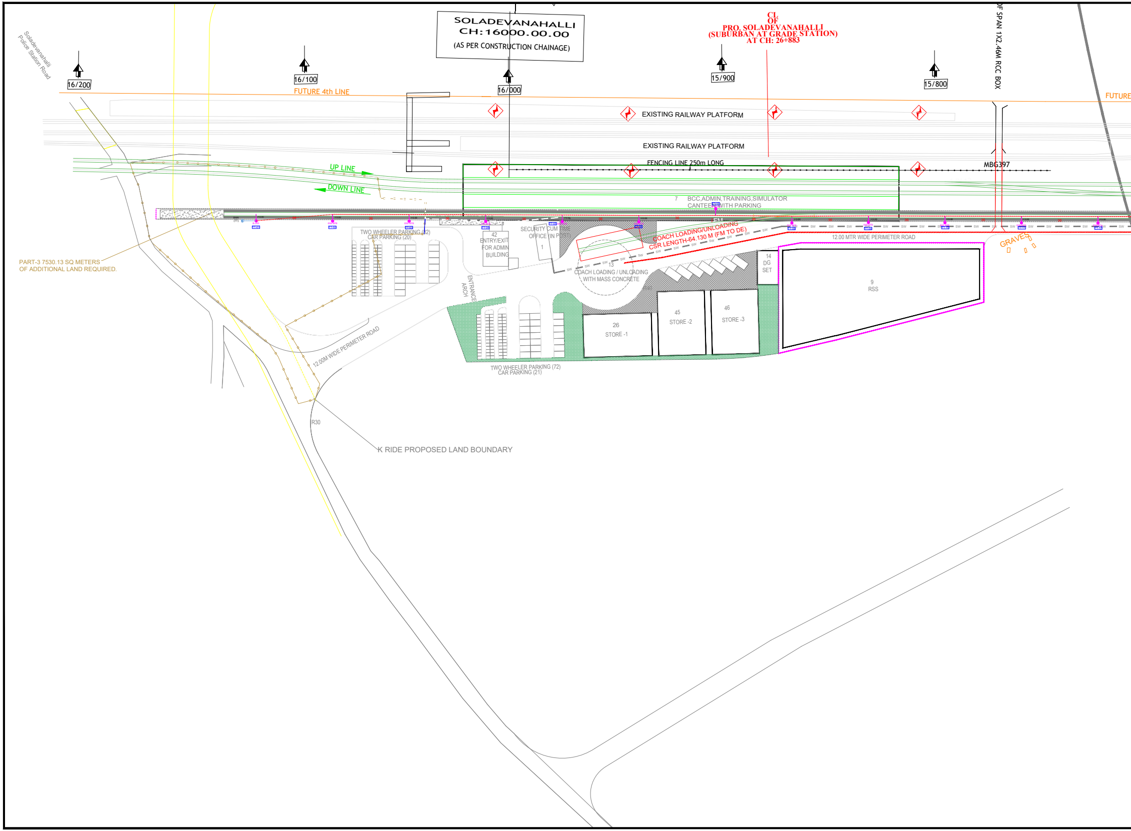
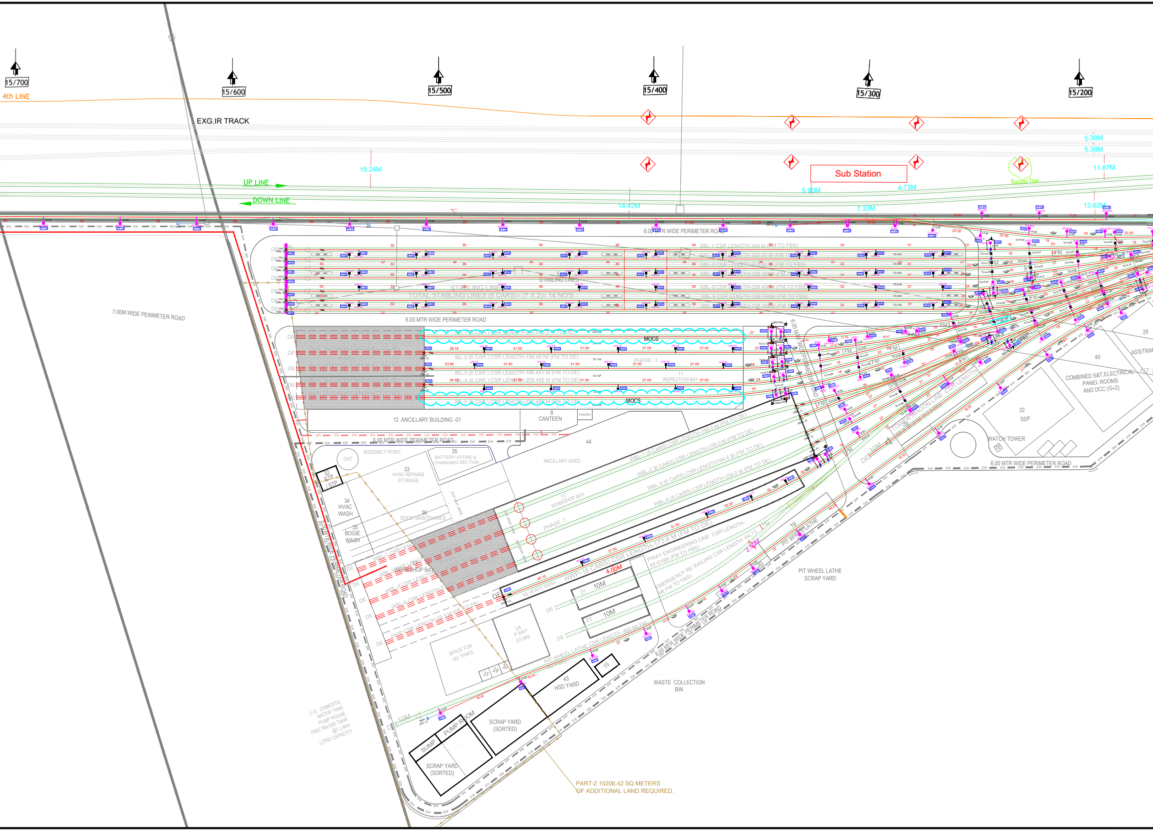
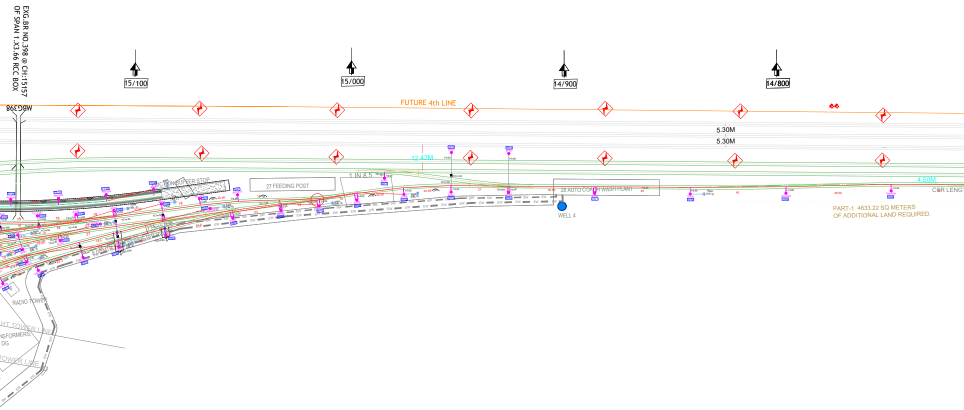
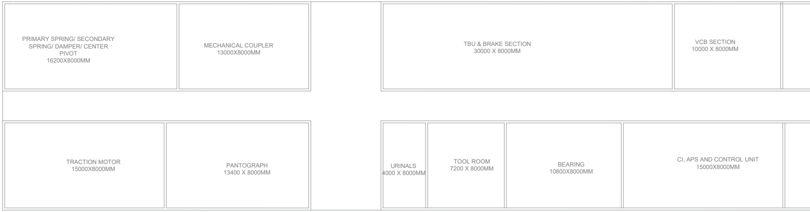

SOLADEVANAHALLI
CH:16000.00.00
(AS PER CONSTRUCTION CHAINAGE)
CL
OF
PRO. SOLADEVANAHALLI
(SUBURBAN AT GRADE STATION)
AT CH: 26+883
OF SPAN 1X2.46M RCC BOX
Soladevanahalli Police Station Road
16/200
16/100
16/000
15/900
15/800
FUTURE 4th LINE
FUTURE
EXISTING RAILWAY PLATFORM
EXISTING RAILWAY PLATFORM
FENCING LINE 250m LONG
MBG397
UP LINE
DOWN LINE
7 BCC,ADMIN,TRAINING,SIMULATOR CANTEEN WITH PARKING
EM
TWO WHEELER PARKING (32)
CAR PARKING (20)
42 ENTRY/EXIT FOR ADMIN BUILDING
SECURITY CUM TIME OFFICE (IN POST)
1
COACH LOADING/UNLOADING
CSR LENGTH-64.130 M (FM TO DE)
13 COACH LOADING / UNLOADING WITH MASS CONCRETE
12.00 MTR WIDE PERIMETER ROAD
GRAVES
14 DG SET
9 RSS
ENTRANCE ARCH
26 STORE -1
45 STORE -2
46 STORE -3
TWO WHEELER PARKING (72)
CAR PARKING (21)
PART-3 7530.13 SQ METERS OF ADDITIONAL LAND REQUIRED.
12.00M WIDE PERIMETER ROAD
R30
K RIDE PROPOSED LAND BOUNDARY

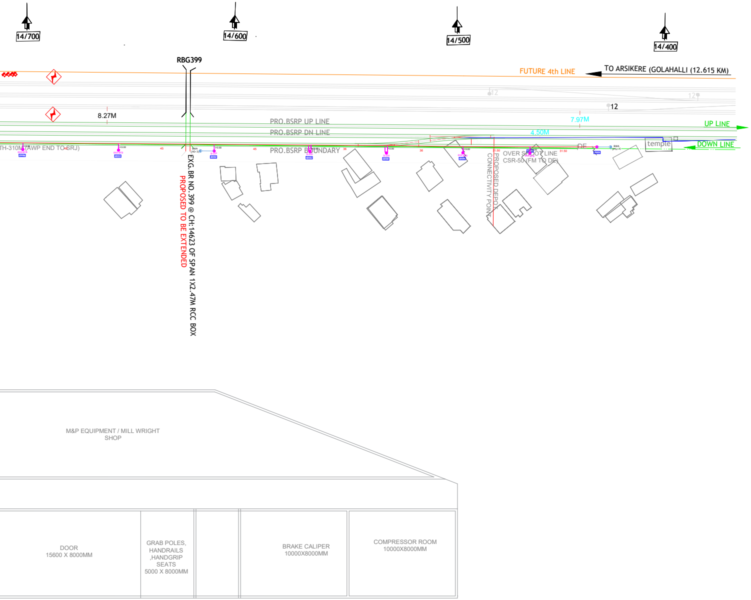


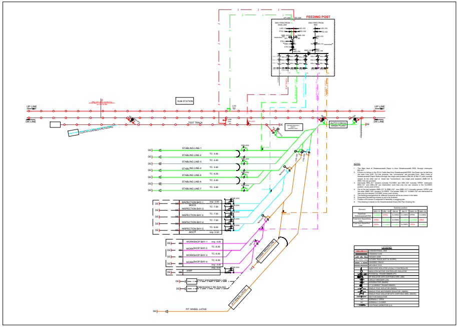
15/700
15/600
15/500
15/400
15/300
15/200
4th LINE
EXG.IR TRACK
18.24M
5.30M
5.30M
11.87M
Sub Station
Banyan Tree
UP LINE
DOWN LINE
5.90M
4.73M
14.42M
7.33M
13.62M
6.00 MTR WIDE PERIMETER ROAD
SBL-1 CSR LENGTH-349 M (FM TO FBS)
SBL-2 CSR LENGTH-320.00 M (FM TO FBS)
SBL-3 CSR LENGTH-320.00 M (FM TO FBS)
SBL-4 CSR LENGTH-336.456M (FM TO FBS)
SBL-5 CSR LENGTH-336.456M (FM TO FBS)
SBL-6 CSR LENGTH-336.456M (FM TO FBS)
STABLING LINES
STABLING LINE
TOTAL STABLING LINES (6 CARS)= (7 X 2)= 14 NO'S
7.00M WIDE PERIMETER ROAD
6.00 MTR WIDE PERIMETER ROAD
IBL-1 (6 CAR) CSR LENGTH-206.60 M (FM TO DE)
MOCS
IBL-2 (6 CAR) CSR LENGTH-196.481M (FM TO DE)
PHASE -1
IBL-3 (6 CAR) CSR LENGTH-196.481 M (FM TO DE)
IBL-4 (6 CAR) CSR LENGTH-209.485 M (FM TO DE)
11
INSPECTION BAY
IBL-5 (6 CAR) CSR LENGTH-209.485 M (FM TO DE)
MOCS
12 .ANCILLARY BUILDING -01
8
CANTEEN
PANTRY
6.00 MTR WIDE PERIMETER ROAD
6.00 MTR WIDE PERIMETER ROAD
44
ANCILLARY SHED
ASSEMBLY POINT
OHT
35
BATTERY STORE &
CHARGING SECTION
33
HVAC REPAIR&
STORAGE
32
ETP
STP
34
HVAC
WASH
35
BOGIE
WASH
36
BOGIE MAINTENANCE
17
WORKSHOP BAY
PHASE -1
WBL-1 (6 CARS) CSR LENGTH-159.0 M (FM TO DE)
WBL-2 (6 CARS) CSR LENGTH-159.0 M (FM TO DE)
WBL-3 (6 CARS) CSR LENGTH194.6 M (FM TO DE)
WBL-4 (6 CARS) CSR LENGTH-234.0 M (FM TO DE)
WORKSHOP BAY
HWP- (6 CARS) CSR LENGTH-173.6 M (FM TO DE)
HWP CSR LENGTH-59.3 M (DE TO DE)
4.00M
18 HEAVY WASH
21
10M
23
10M
PWAY ENGINEERING LINE CSR LENGTH-
93.615M (FM TO FBS)
EMERGENCY RE RAILING CSR LENGTH-94.73 M (FM TO FBS)
PIT WHEEL LATHE CSR LENGTH-400 M (FM
24
P WAY
STORE
SPACE FOR
UG TANKS
43
HSD YARD
15
SCRAP YARD
(SORTED)
PUMP ROOM
SUMP
SCRAP YARD
(SORTED)
U.G. DOMESTIC
WATER TANK
PUMP HOUSE
FIRE WATER TANK
@1 LAKH
LITRE CAPACITY
10M
6.00 MTR WIDE PERIMETER ROAD
WASTE COLLECTION
BIN
PART-2 10206.42 SQ METERS
OF ADDITIONAL LAND REQUIRED.
19
PIT WHEEL LATHE
PIT WHEEL LATHE
SCRAP YARD
TOWER WAGON LINE CSR LENGTH
6.00 MTR WIDE PERIMETER ROAD
6.00 MTR WIDE PERIMETER ROAD
WATCH TOWER
22
SSP
40
COMBINED S&T,ELECTRICAL
PANEL ROOMS
AND DCC (G+2)
25
ASS/TRA
DE
FM
SW
EW


EXG.BR NO.398 @ CH:15157
OF SPAN 1.X3.66 RCC BOX
MBG398
15/100
15/000
14/900
14/800
FUTURE 4th LINE
5.30M
5.30M
12.42M
4.50M
1 IN 8.5
BUFFER STOP
27 FEEDING POST
28 AUTO COACH WASH PLANT
WELL 4
CSR LENG
PART-1 4633.22 SQ METERS
OF ADDITIONAL LAND REQUIRED.
RADIO TOWER
HT TOWER LINE
NSFORMERS,
DG
TOWER LINE
EW
SW


PRIMARY SPRING/ SECONDARY
SPRING/ DAMPER/ CENTER
PIVOT
16200X8000MM
MECHANICAL COUPLER
13000X8000MM
TBU & BRAKE SECTION
30000 X 8000MM
VCB SECTION
10000 X 8000MM
TRACTION MOTOR
15000X8000MM
PANTOGRAPH
13400 X 8000MM
URINALS
4000 X 8000MM
TOOL ROOM
7200 X 8000MM
BEARING
10800X8000MM
CI, APS AND CONTROL UNIT
15000X8000MM

ANCILLARY BUILDING-02
GROUND FLOOR


14/700
14/600
14/500
14/400
RBG399
FUTURE 4th LINE
TO ARSIKERE (GOLAHALLI (12.615 KM)
12
12
12
8.27M
7.97M
PRO.BSRP UP LINE
UP LINE
PRO.BSRP DN LINE
4.50M
TH-310M (AWP END TO SRJ)
45
45
45
36
36
31.50
31.50
PRO.BSRP BOUNDARY
DE
temple
DOWN LINE
OVER SHOOT LINE
CSR-50 (FM TO DE)
EXG.BR NO.399 @ CH:14623 OF SPAN 1X2.47M RCC BOX
PROPOSED TO BE EXTENDED
PROPOSED DEPOT
CONNECTIVITY POINT
M&P EQUIPMENT / MILL WRIGHT SHOP
DOOR
15600 X 8000MM
GRAB POLES, HANDRAILS ,HANDGRIP SEATS
5000 X 8000MM
BRAKE CALIPER
10000X8000MM
COMPRESSOR ROOM
10000X8000MM


FEEDING POST
SUB STATION
UP LINE
DN LINE
TEST TRACK
AUTO COACH WASH PLANT
STABLING LINE-1
STABLING LINE-2
STABLING LINE-3
STABLING LINE-4
STABLING LINE-5
STABLING LINE-6
STABLING LINE-7
INSPECTION BAY-1
INSPECTION BAY-2
INSPECTION BAY-3
INSPECTION BAY-4
INSPECTION BAY-5
WORKSHOP BAY-1
WORKSHOP BAY-2
WORKSHOP BAY-3
WORKSHOP BAY-4
EMERGENCY RE RAILING
PIT WHEEL LATHE
LEGEND

SL.NO	DESCPRITION	SYMBOLE
1.	Normal Mast with Single Cantilever Assembly (8x8 BFB) at Grade	
2.	Normal Mast with Multiple Cantilever Assembly (B-200) at Grade	
3.	Portal with Drop Arm Single Cantilever Assembly at Grade	
4.	Portal with Drop Arm Multiple Cantilever Assembly at Grade	
5.	Two Track Cantilever Assembly (TTC 5.50/8.0) at Grade	
6.	Normal Mast with Single Cantilever Assembly (8x8 BFB) at Viaduct	
7.	Normal Mast with Multiple Cantilever Assembly (B-200) at Viaduct	
8.	Portal with Drop Arm Single Cantilever Assembly at Viaduct	
9.	Portal with Drop Arm Multiple Cantilever Assembly at Viaduct	
10.	Drop arm Support with single Cantilever (6"x6" DA)	
11.	Drop arm Support with Multiple Cantilever (8"x6" DA)	
12.	OHE Span Length in Meter	31.5
13.	Tram way OHE	
14.	Conventional OHE	
15.	Out of Run OHE	
16.	L.S.Wire OHE	
17.	Unwired Track	
18.	Wired Track	
19.	Movable OCS	
20.	Future Track	
21.	Section Insulator	
22.	Single pole Isolator	
23.	Double pole Isolator with Earth Heel	
24.	Anchoring stay with Fixed Termination Conventional	
25.	Anchoring stay with Fixed Termination Tram Way	
26.	Anchoring stay with Balance Weight Termination Tram Way	
27.	Anchoring stay with Balance Weight Termination Conventional	
28.	Balance Weight Anchor	BWA
29.	Fixed Termination Anchor	FTA
30.	Anticreep Anchor	ACA
31.	Anticreep Center	ACC

FOR TENDER PURPOSE ONLY

NOTES:
1. ALL DIMENSION ARE IN METER UNLESS OTHER WISE SPECIFIED.
2. THE LAYOUT PLAN HAS BEEN PREPARED ACCORDING TO DEPOT GAD DRAWING NO: NCRTC-DM009-AYE-MODD-DPT-M2-AR-11000 To 11005/R-1, dated 06.10.2023
3. THE AYOUT PLAN HAS BEEN PREPARED AS PER SECTIONING DIAGRAM NO: NCRTC-DM093-IRC-MODD-DPT-M2-PT-10901-R-3
4. THIS LAYOUT PLAN HAS BEEN PREPARED AS PER PEGGING PLAN NO: NCRTC-DM093-IRC-MODD-DPT-M2-PT-10902_R2.
5. OBLIGATORY MAST HAS BEEN PLACED NEAR THE THEORETICAL CENTRE OF THE TURNOUT.
6. SPANS ARE ROUNDED OFF TO NEAREST DECIMAL.
7. OHE LOCATIONS MAY CHANGE AFTER INTERFACE WITH OTHER DEPOT CONTRACTOR.
8. ALL THE OHE WIRE SHALL BE TERMINATED USING CUT-IN INSULATOR.
9. EARTHING AND BONDING LAYOUT PLAN TO BE SUBMITTED SEPARATELY.

REV	DATE	DESCRIPTION	Originator	Checked	Approved
R0	30/08/2024	FIRST SUBMISSION	IA / SB	CK/NP	RK/SK

K RIDE

DM / ELE / KRIDE	Sr. DGM / ELE / KRIDE	AGM / ELE / KRIDE

Certified that this document has been designed and checked in accordance with GC Quality Assurance Plan.

egis AECOM wsp

EGIS-AECOM-WSP

Senior Discipline Expert	Chief Discipline Expert	Project Director

Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.

Detailed Design Consultant for design of Traction & Auxiliary Power Supply and Distribution for BSRP

SYSTRA

SYSTRA MVA CONSULTING (INDIA) PVT. LTD.
10th and 11th Floor, Tower-B, 12/3, Vatika
Mindscapes, Mathura Road, NH2, Sector 27D,
Faridabad, Haryana 121013

Drawn	Checked:	Approved:
I. Alam S. Bhati	D. Kalyan N. Parmar	R. Kapoor S. Kumar Satish Kumar

Client:

K RIDE

RAIL INFRASTRUCTURE
DEVELOPMENT COMPANY
(KARNATAKA) LIMITED

Project Title: Bengaluru Suburban Rail Project (BSRP)
(Detailed Design Consultant for design of Traction & Auxiliary Power Supply and Distribution for BSRP)

Corridor-2 (Benniganahalli -Soladevanahalli)

Drawing Title:
OHE LAYOUT PLAN
FOR
SOLADEVANAHALLI DEPOT

Project Stage: Tender Drawing

Paper Size: 4000X594
Discipline: Power Supply & Traction System
Date: 30/08/2024
Scale: TS/NTS
Drawing no.: KRDD01-TDR-CR02-SLD-OCS-PGP-00002
Revision: R0