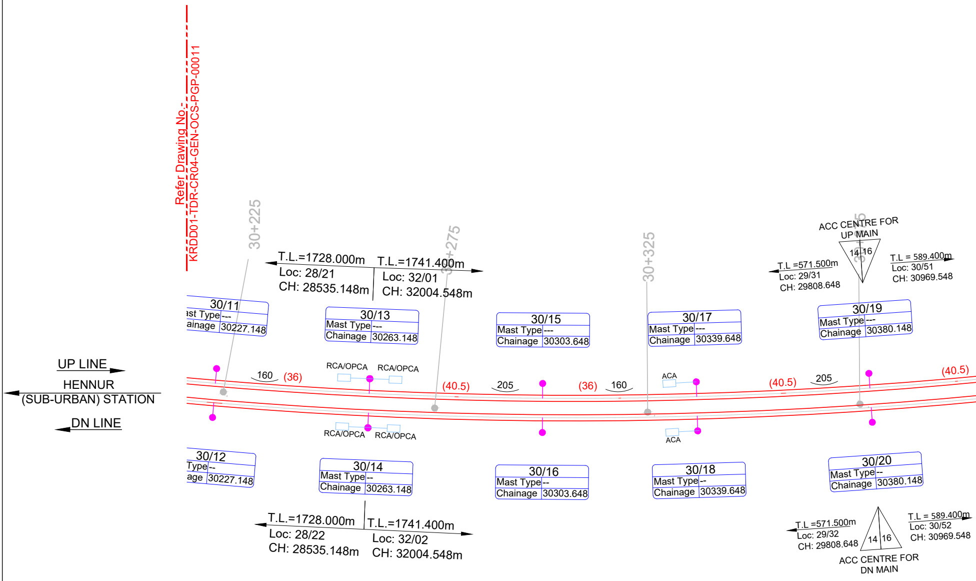
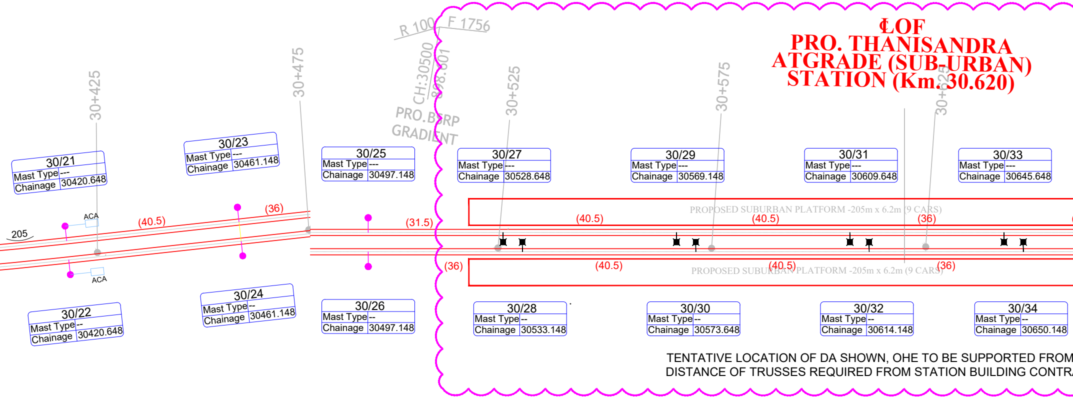
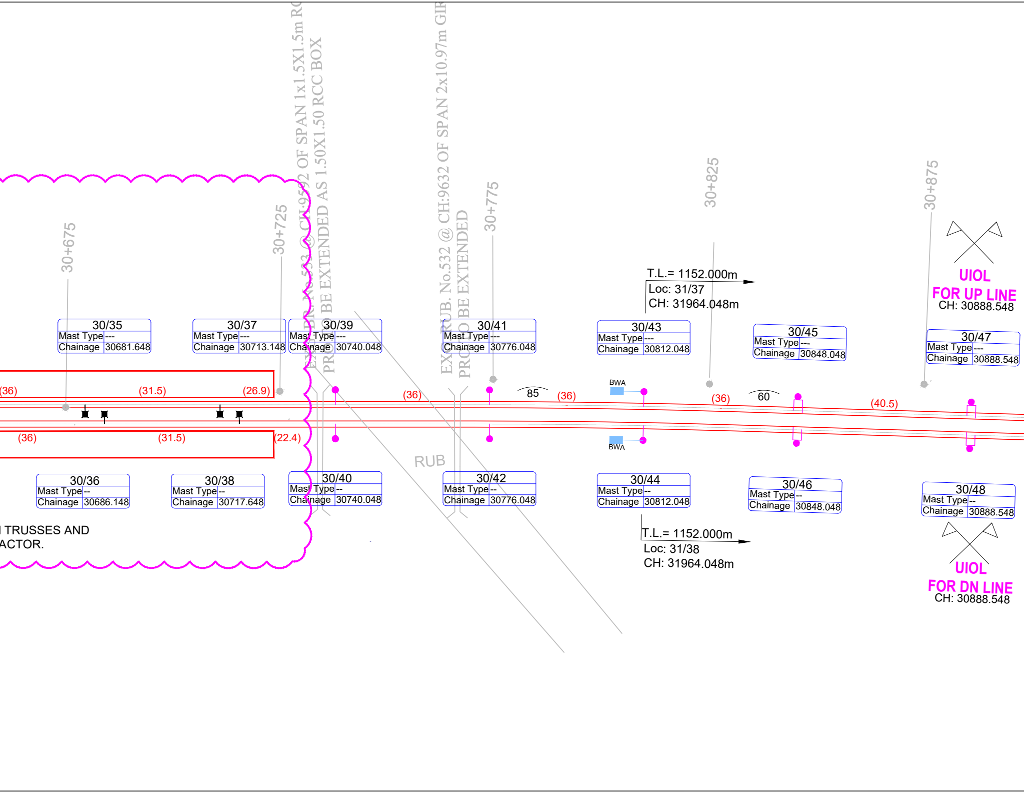
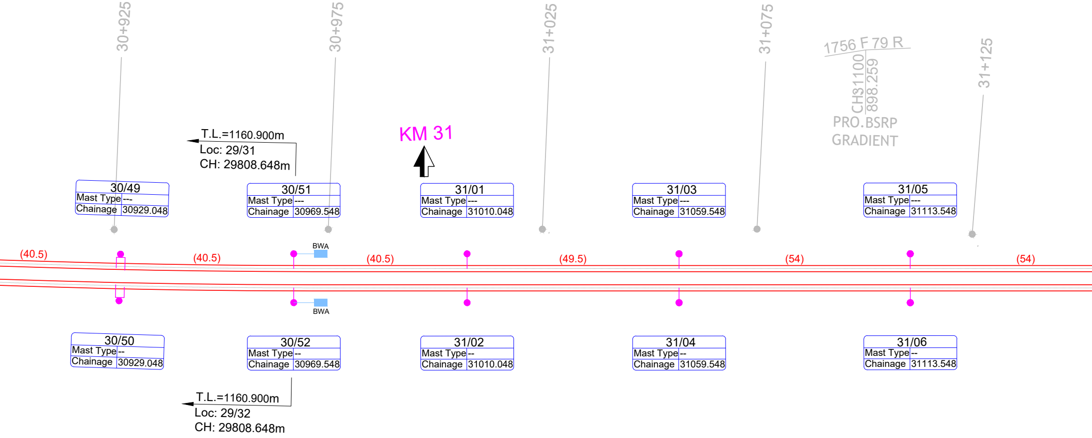

Refer Drawing No.-
KRDD01-TDR-CR04-GEN-OCS-PGP-00011
30+225
30+275
30+325
ACC CENTRE FOR
UP MAIN
14
16
T.L.=1728.000m
Loc: 28/21
CH: 28535.148m
T.L.=1741.400m
Loc: 32/01
CH: 32004.548m
T.L =571.500m
Loc: 29/31
CH: 29808.648
T.L = 589.400m
Loc: 30/51
CH: 30969.548
30/11
ast Type ---
ainage 30227.148
30/13
Mast Type ---
Chainage 30263.148
30/15
Mast Type ---
Chainage 30303.648
30/17
Mast Type ---
Chainage 30339.648
30/19
Mast Type ---
Chainage 30380.148
UP LINE
HENNUR
(SUB-URBAN) STATION
DN LINE
160
(36)
RCA/OPCA
RCA/OPCA
(40.5)
205
(36)
160
ACA
(40.5)
205
(40.5)
RCA/OPCA
RCA/OPCA
ACA
30/12
Type --
age 30227.148
30/14
Mast Type --
Chainage 30263.148
30/16
Mast Type --
Chainage 30303.648
30/18
Mast Type --
Chainage 30339.648
30/20
Mast Type --
Chainage 30380.148
T.L.=1728.000m
Loc: 28/22
CH: 28535.148m
T.L.=1741.400m
Loc: 32/02
CH: 32004.548m
T.L =571.500m
Loc: 29/32
CH: 29808.648
14
16
T.L = 589.400m
Loc: 30/52
CH: 30969.548
ACC CENTRE FOR
DN MAIN

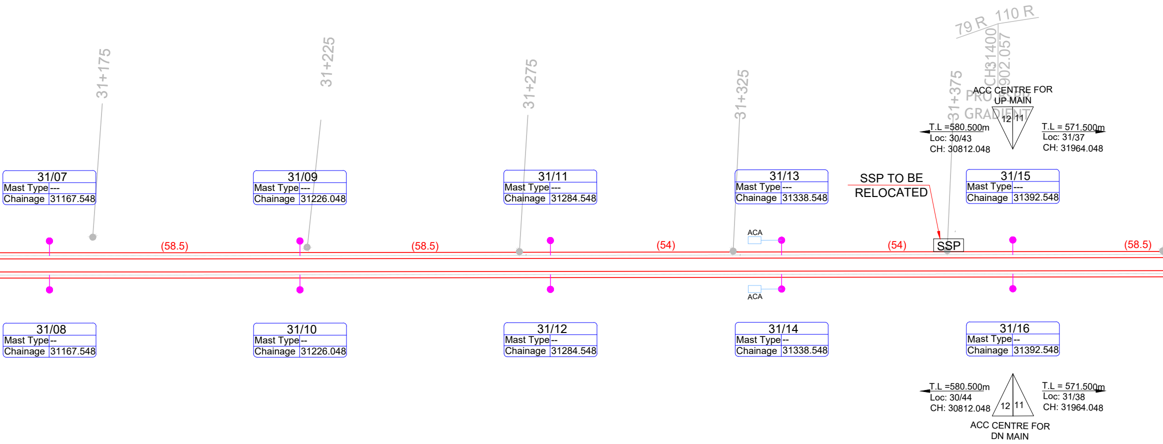


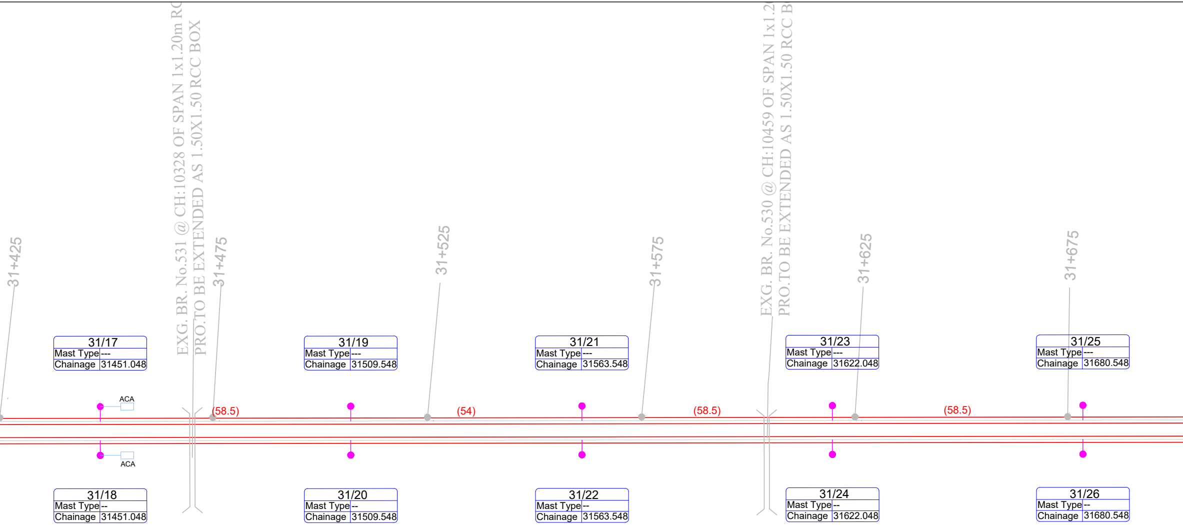
℄OF
PRO. THANISANDRA
ATGRADE (SUB-URBAN)
STATION (Km. 30.620)
R 100
F 1756
CH:30500
978.001
PRO.BSRP
GRADIENT
30+425
30+475
30+525
30+575
30+625
205
ACA
ACA
(40.5)
(36)
(31.5)
(36)
(40.5)
(40.5)
(36)
(40.5)
(40.5)
(36)
PROPOSED SUBURBAN PLATFORM -205m x 6.2m (9 CARS)
PROPOSED SUBURBAN PLATFORM -205m x 6.2m (9 CARS)
30/21
Mast Type ---
Chainage 30420.648
30/22
Mast Type --
Chainage 30420.648
30/23
Mast Type ---
Chainage 30461.148
30/24
Mast Type --
Chainage 30461.148
30/25
Mast Type ---
Chainage 30497.148
30/26
Mast Type --
Chainage 30497.148
30/27
Mast Type ---
Chainage 30528.648
30/28
Mast Type --
Chainage 30533.148
30/29
Mast Type ---
Chainage 30569.148
30/30
Mast Type --
Chainage 30573.648
30/31
Mast Type ---
Chainage 30609.648
30/32
Mast Type --
Chainage 30614.148
30/33
Mast Type ---
Chainage 30645.648
30/34
Mast Type --
Chainage 30650.148

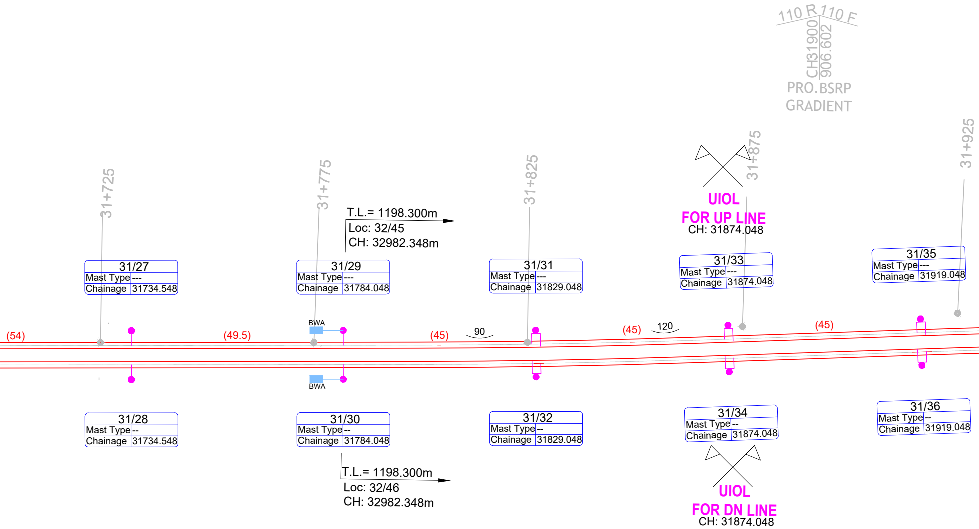
TENTATIVE LOCATION OF DA SHOWN, OHE TO BE SUPPORTED FROM
DISTANCE OF TRUSSES REQUIRED FROM STATION BUILDING CONTRA

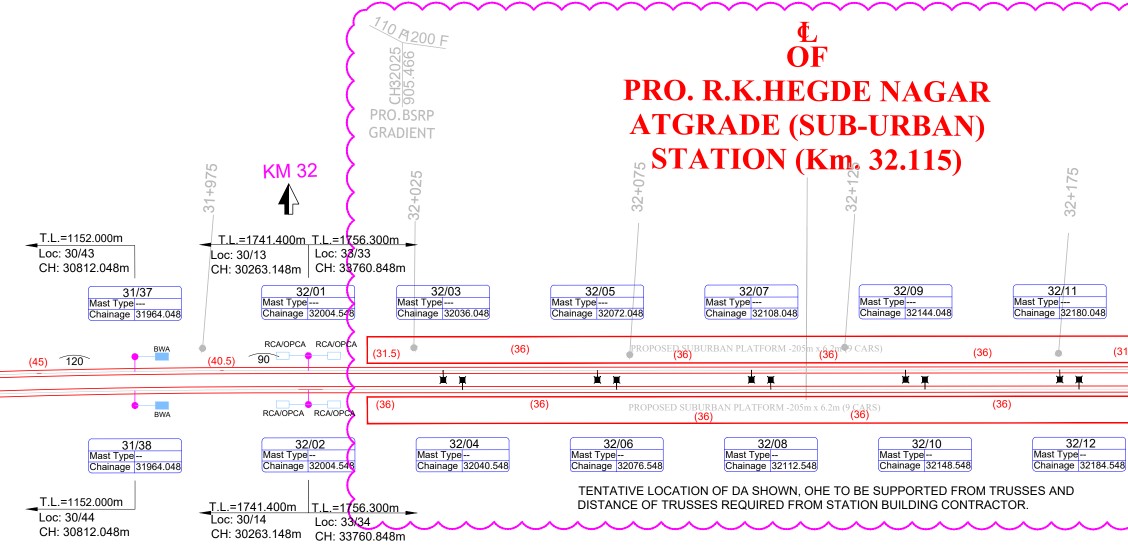

30+675
30+725
30+775
30+825
30+875
EXG. BR. No.533 @ CH:9592 OF SPAN 1x1.5X1.5m RC
PROPO BE EXTENDED AS 1.50X1.50 RCC BOX
EXG. RUB. No.532 @ CH:9632 OF SPAN 2x10.97m GIR
PROPO BE EXTENDED
30/35
Mast Type ---
Chainage 30681.648
30/37
Mast Type ---
Chainage 30713.148
30/39
Mast Type ---
Chainage 30740.048
30/41
Mast Type ---
Chainage 30776.048
30/43
Mast Type ---
Chainage 30812.048
30/45
Mast Type ---
Chainage 30848.048
30/47
Mast Type ---
Chainage 30888.548
30/36
Mast Type --
Chainage 30686.148
30/38
Mast Type --
Chainage 30717.648
30/40
Mast Type --
Chainage 30740.048
30/42
Mast Type --
Chainage 30776.048
30/44
Mast Type --
Chainage 30812.048
30/46
Mast Type --
Chainage 30848.048
30/48
Mast Type --
Chainage 30888.548
T.L.= 1152.000m
Loc: 31/37
CH: 31964.048m
T.L.= 1152.000m
Loc: 31/38
CH: 31964.048m
UIOL
FOR UP LINE
CH: 30888.548
UIOL
FOR DN LINE
CH: 30888.548
(36)
(31.5)
(26.9)
(36)
(36)
(36)
(40.5)
(36)
(31.5)
(22.4)
85
60
BWA
BWA
RUB
TRUSSES AND
ACTOR.


30+925
30+975
31+025
31+075
1756 F 79 R
CH31100
898.259
PRO.BSRP
GRADIENT
31+125
T.L.=1160.900m
Loc: 29/31
CH: 29808.648m
KM 31
30/49
Mast Type ---
Chainage 30929.048
30/51
Mast Type ---
Chainage 30969.548
31/01
Mast Type ---
Chainage 31010.048
31/03
Mast Type ---
Chainage 31059.548
31/05
Mast Type ---
Chainage 31113.548
BWA
(40.5)
(40.5)
(40.5)
(49.5)
(54)
(54)
BWA
30/50
Mast Type --
Chainage 30929.048
30/52
Mast Type --
Chainage 30969.548
31/02
Mast Type --
Chainage 31010.048
31/04
Mast Type --
Chainage 31059.548
31/06
Mast Type --
Chainage 31113.548
T.L.=1160.900m
Loc: 29/32
CH: 29808.648m


31+175
31+225
31+275
31+325
31+375
79 R
110 R
CH31400
902.057
GRADIENT
ACC CENTRE FOR
UP MAIN
12
11
T.L =580.500m
Loc: 30/43
CH: 30812.048
T.L = 571.500m
Loc: 31/37
CH: 31964.048
31/07
Mast Type ---
Chainage 31167.548
31/09
Mast Type ---
Chainage 31226.048
31/11
Mast Type ---
Chainage 31284.548
31/13
Mast Type ---
Chainage 31338.548
SSP TO BE
RELOCATED
31/15
Mast Type ---
Chainage 31392.548
ACA
(58.5)
(58.5)
(54)
(54)
SSP
(58.5)
ACA
31/08
Mast Type --
Chainage 31167.548
31/10
Mast Type --
Chainage 31226.048
31/12
Mast Type --
Chainage 31284.548
31/14
Mast Type --
Chainage 31338.548
31/16
Mast Type --
Chainage 31392.548
T.L =580.500m
Loc: 30/44
CH: 30812.048
12
11
T.L = 571.500m
Loc: 31/38
CH: 31964.048
ACC CENTRE FOR
DN MAIN

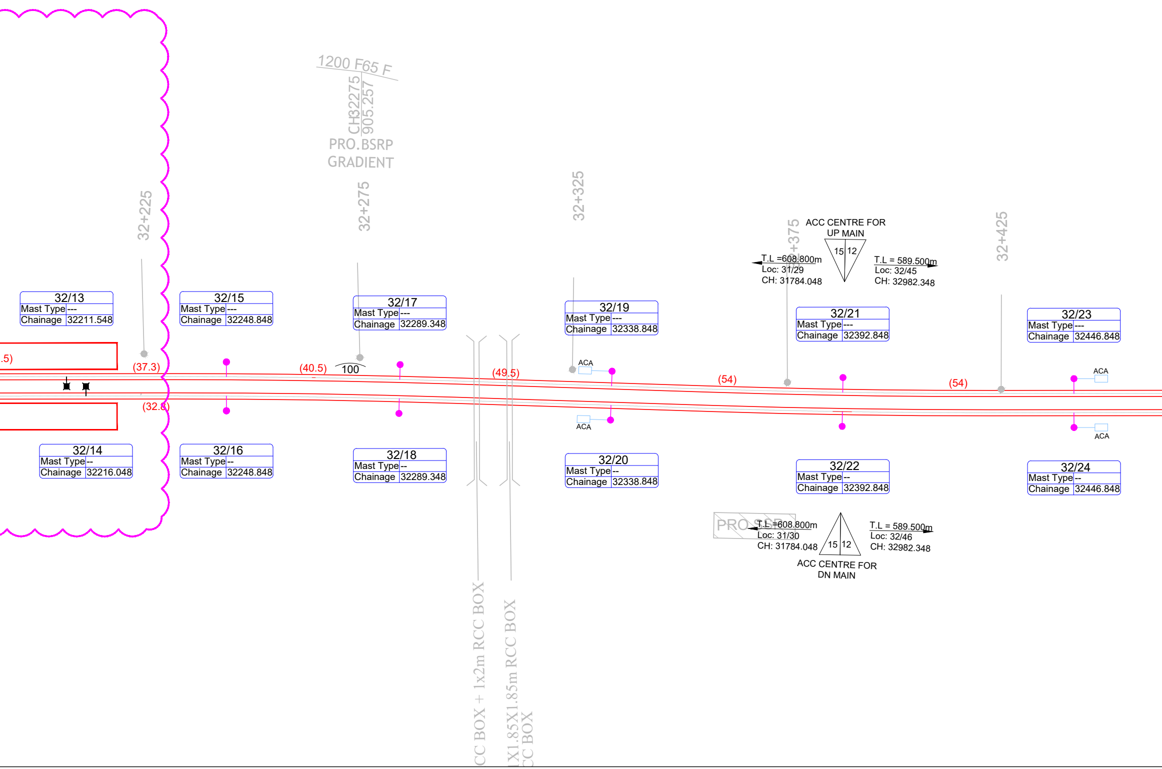

31+425
EXG. BR. No.531 @ CH:10328 OF SPAN 1x1.20m RC
PRO.TO BE EXTENDED AS 1.50X1.50 RCC BOX
31+475
31+525
31+575
EXG. BR. No.530 @ CH:10459 OF SPAN 1x1.2
PRO.TO BE EXTENDED AS 1.50X1.50 RCC B
31+625
31+675
31/17
Mast Type ---
Chainage 31451.048
31/19
Mast Type ---
Chainage 31509.548
31/21
Mast Type ---
Chainage 31563.548
31/23
Mast Type ---
Chainage 31622.048
31/25
Mast Type ---
Chainage 31680.548
ACA
(58.5)
(54)
(58.5)
(58.5)
ACA
31/18
Mast Type --
Chainage 31451.048
31/20
Mast Type --
Chainage 31509.548
31/22
Mast Type --
Chainage 31563.548
31/24
Mast Type --
Chainage 31622.048
31/26
Mast Type --
Chainage 31680.548

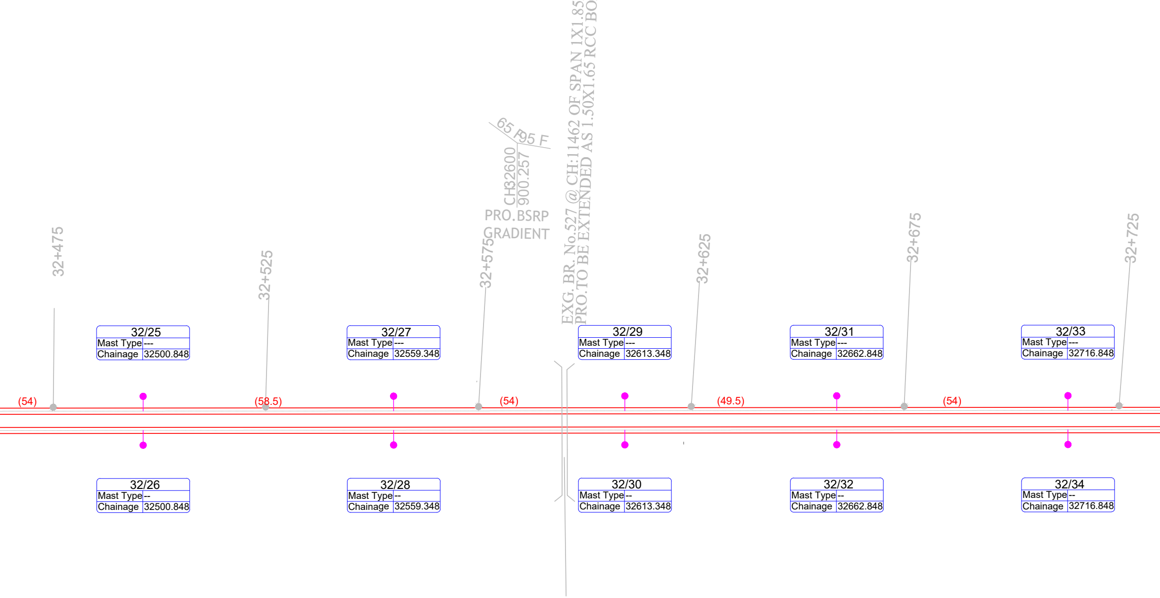

110 R 110 F
CH31900
906.602
PRO.BSRP
GRADIENT
31+725
31+775
31+825
31+875
31+925
T.L.= 1198.300m
Loc: 32/45
CH: 32982.348m
UIOL
FOR UP LINE
CH: 31874.048
31/27
Mast Type ---
Chainage 31734.548
31/29
Mast Type ---
Chainage 31784.048
31/31
Mast Type ---
Chainage 31829.048
31/33
Mast Type ---
Chainage 31874.048
31/35
Mast Type ---
Chainage 31919.048
BWA
(54)
(49.5)
(45)
90
(45)
120
(45)
BWA
31/28
Mast Type --
Chainage 31734.548
31/30
Mast Type --
Chainage 31784.048
31/32
Mast Type --
Chainage 31829.048
31/34
Mast Type --
Chainage 31874.048
31/36
Mast Type --
Chainage 31919.048
T.L.= 1198.300m
Loc: 32/46
CH: 32982.348m
UIOL
FOR DN LINE
CH: 31874.048

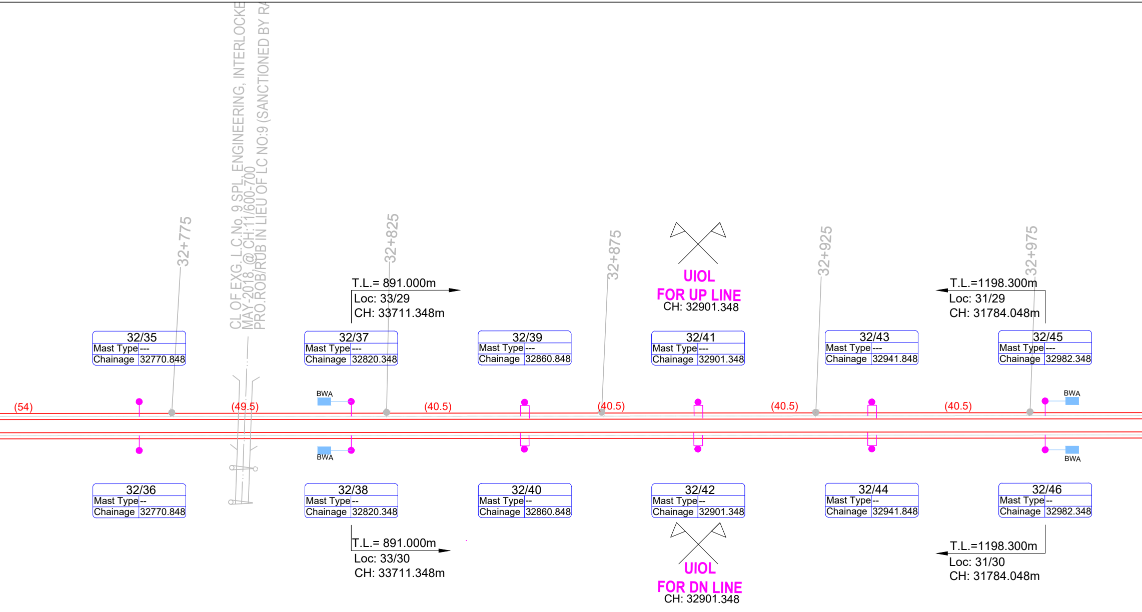


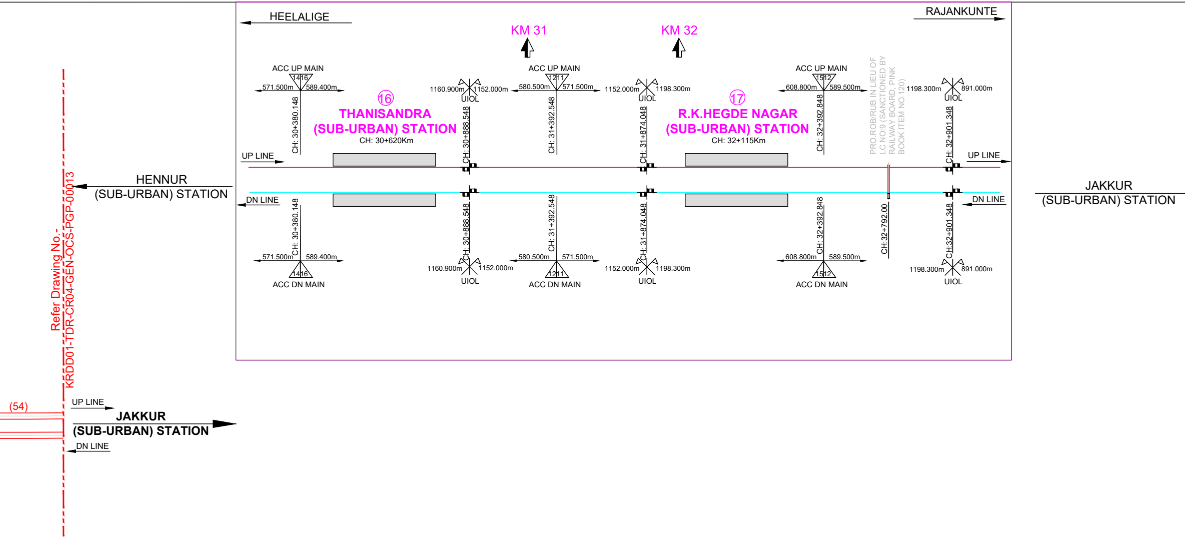
℄
OF
PRO. R.K.HEGDE NAGAR
ATGRADE (SUB-URBAN)
STATION (Km. 32.115)
110 R1200 F
CH32025
905.466
PRO.BSRP
GRADIENT
KM 32
31+975
32+025
32+075
32+125
32+175
T.L.=1152.000m
Loc: 30/43
CH: 30812.048m
T.L.=1741.400m
Loc: 30/13
CH: 30263.148m
T.L.=1756.300m
Loc: 33/33
CH: 33760.848m
31/37
Mast Type ---
Chainage 31964.048
32/01
Mast Type ---
Chainage 32004.548
32/03
Mast Type ---
Chainage 32036.048
32/05
Mast Type ---
Chainage 32072.048
32/07
Mast Type ---
Chainage 32108.048
32/09
Mast Type ---
Chainage 32144.048
32/11
Mast Type ---
Chainage 32180.048
BWA
RCA/OPCA
RCA/OPCA
(45)
120
(40.5)
90
(31.5)
(36)
PROPOSED SUBURBAN PLATFORM -205m x 6.2m (9 CARS)
(36)
(36)
(36)
(31
(36)
(36)
PROPOSED SUBURBAN PLATFORM -205m x 6.2m (9 CARS)
(36)
(36)
(36)
BWA
RCA/OPCA
RCA/OPCA
31/38
Mast Type --
Chainage 31964.048
32/02
Mast Type --
Chainage 32004.548
32/04
Mast Type --
Chainage 32040.548
32/06
Mast Type --
Chainage 32076.548
32/08
Mast Type --
Chainage 32112.548
32/10
Mast Type --
Chainage 32148.548
32/12
Mast Type --
Chainage 32184.548
T.L.=1152.000m
Loc: 30/44
CH: 30812.048m
T.L.=1741.400m
Loc: 30/14
CH: 30263.148m
T.L.=1756.300m
Loc: 33/34
CH: 33760.848m

TENTATIVE LOCATION OF DA SHOWN, OHE TO BE SUPPORTED FROM TRUSSES AND DISTANCE OF TRUSSES REQUIRED FROM STATION BUILDING CONTRACTOR.


1200 F65 F
CH32275
905.257
PRO.BSRP
GRADIENT
32+225
32+275
32+325
32+375
32+425
ACC CENTRE FOR
UP MAIN
15
12
T.L =608.800m
Loc: 31/29
CH: 31784.048
T.L = 589.500m
Loc: 32/45
CH: 32982.348
32/13
Mast Type ---
Chainage 32211.548
32/15
Mast Type ---
Chainage 32248.848
32/17
Mast Type ---
Chainage 32289.348
32/19
Mast Type ---
Chainage 32338.848
32/21
Mast Type ---
Chainage 32392.848
32/23
Mast Type ---
Chainage 32446.848
.5)
(37.3)
(40.5)
100
(49.5)
ACA
(54)
(54)
ACA
(32.8)
ACA
ACA
32/14
Mast Type --
Chainage 32216.048
32/16
Mast Type --
Chainage 32248.848
32/18
Mast Type --
Chainage 32289.348
32/20
Mast Type --
Chainage 32338.848
32/22
Mast Type --
Chainage 32392.848
32/24
Mast Type --
Chainage 32446.848
PRO.SSP
T.L =608.800m
Loc: 31/30
CH: 31784.048
15
12
T.L = 589.500m
Loc: 32/46
CH: 32982.348
ACC CENTRE FOR
DN MAIN
CC BOX + 1x2m RCC BOX
1X1.85X1.85m RCC BOX
CC BOX


32+475
32+525
32+575
32+625
32+675
32+725
65 F
95 F
CH32600
900.257
PRO.BSRP
GRADIENT
EXG. BR. No.527 @ CH:11462 OF SPAN 1X1.85
PRO.TO BE EXTENDED AS 1.50X1.65 RCC BO
(54)
(58.5)
(54)
(49.5)
(54)
32/25
Mast Type ---
Chainage 32500.848
32/27
Mast Type ---
Chainage 32559.348
32/29
Mast Type ---
Chainage 32613.348
32/31
Mast Type ---
Chainage 32662.848
32/33
Mast Type ---
Chainage 32716.848
32/26
Mast Type --
Chainage 32500.848
32/28
Mast Type --
Chainage 32559.348
32/30
Mast Type --
Chainage 32613.348
32/32
Mast Type --
Chainage 32662.848
32/34
Mast Type --
Chainage 32716.848


CL.OF EXG. L.C.No. 9 SPL ENGINEERING, INTERLOCKE
MAY-2018 @ CH:11/600-700
PRO.ROB/RUB IN LIEU OF LC NO:9 (SANCTIONED BY RA
32+775
32+825
32+875
32+925
32+975
T.L.= 891.000m
Loc: 33/29
CH: 33711.348m
UIOL
FOR UP LINE
CH: 32901.348
T.L.=1198.300m
Loc: 31/29
CH: 31784.048m
32/35
Mast Type ---
Chainage 32770.848
32/37
Mast Type ---
Chainage 32820.348
32/39
Mast Type ---
Chainage 32860.848
32/41
Mast Type ---
Chainage 32901.348
32/43
Mast Type ---
Chainage 32941.848
32/45
Mast Type ---
Chainage 32982.348
BWA
BWA
(54)
(49.5)
(40.5)
(40.5)
(40.5)
(40.5)
BWA
BWA
32/36
Mast Type --
Chainage 32770.848
32/38
Mast Type --
Chainage 32820.348
32/40
Mast Type --
Chainage 32860.848
32/42
Mast Type --
Chainage 32901.348
32/44
Mast Type --
Chainage 32941.848
32/46
Mast Type --
Chainage 32982.348
T.L.= 891.000m
Loc: 33/30
CH: 33711.348m
UIOL
FOR DN LINE
CH: 32901.348
T.L.=1198.300m
Loc: 31/30
CH: 31784.048m


HEELALIGE
RAJANKUNTE
KM 31
KM 32
ACC UP MAIN
14|16
571.500m
589.400m
CH: 30+380.148
⑯
THANISANDRA
(SUB-URBAN) STATION
CH: 30+620Km
1160.900m
1152.000m
UIOL
CH: 30+888.548
ACC UP MAIN
12|11
580.500m
571.500m
CH: 31+392.548
1152.000m
1198.300m
UIOL
CH: 31+874.048
⑰
R.K.HEGDE NAGAR
(SUB-URBAN) STATION
CH: 32+115Km
ACC UP MAIN
15|12
608.800m
589.500m
CH: 32+392.848
PRO.ROB/RUB IN LIEU OF LC NO:9 (SANCTIONED BY RAILWAY BOARD, PINK BOOK ITEM NO.120)
1198.300m
891.000m
UIOL
CH: 32+901.348
UP LINE
DN LINE
HENNUR
(SUB-URBAN) STATION
JAKKUR
(SUB-URBAN) STATION
CH: 30+380.148
571.500m
589.400m
14|16
ACC DN MAIN
CH: 30+888.548
1160.900m
1152.000m
UIOL
CH: 31+392.548
580.500m
571.500m
12|11
ACC DN MAIN
CH: 31+874.048
1152.000m
1198.300m
UIOL
CH: 32+392.848
608.800m
589.500m
15|12
ACC DN MAIN
CH:32+792.00
CH:32+901.348
1198.300m
891.000m
UIOL
Refer Drawing No.-
KRDD01-TDR-CR04-GEN-OCS-PGP-00013
(54)
UP LINE
JAKKUR
(SUB-URBAN) STATION
DN LINE

NOTES:

1. ALL DIMENSIONS ARE IN METER UNLESS MENTIONED OTHERWISE.
2. ALL DIMENSIONS ARE TO BE READ AND NOT TO BE MEASURED.
3. ANY DISCREPANCY IN THE DRAWING MUST BE BROUGHT TO THE NOTICE OF THE DESIGNER.
4. INTERFACE WITH OTHER DESIGN DISCIPLINE WILL BE DONE AS PER AVAILABILITY OF DETAILS.

LEGEND

Sr. No.	DESCRIPTION	SYMBOL
1	OHE Span length in metres	(30)
2	Insulated Overlap (IOL)	
3	Un insulated Overlap (UIOL)	
4	Section Insulator	
5	Single Pole Isolator	
6	Double pole Isolator with Earth Heel	
7	Normal Mast with Single Cantilever Assembly at Viaduct	
8	Normal Mast with Multiple Cantilever Assembly at Viaduct	
9	Normal Mast with triple Cantilever Assembly at Viaduct	
10	Portal with Drop Arm and Single Cantilever Assembly at Viaduct	
11	Portal with Drop Arm and Double Cantilever Assembly at Viaduct	
12	Two Track Cantilever Assembly (TTC 5.50/8.0) at Viaduct	
13	Normal Mast with Single Cantilever Assembly at Grade	
14	Normal Mast with Multiple Cantilever Assembly at Grade	
15	Normal Mast with triple Cantilever Assembly at Grade	
16	Portal with Drop Arm and Single Cantilever Assembly at Grade	
17	Portal with Drop Arm and Double Cantilever Assembly at Grade	
18	Two Track Cantilever Assembly (TTC 5.50/8.0) at Grade	
19	Drop arm support with single cantilever (6"x6" DA)	
20	Drop arm support with Double cantilever (8"x6" DA)	
21	Drop arm support with triple cantilever (8"x6" DA)	
22	Anchoring stay with Fixed Termination-conv.	FTA
23	Anchoring Stay with Spring Termination Anchor	BWA
24	Versine	300
25	Anticreep Anchor	ACA
26	Anticreep Center	ACC
27	Tension Length	TL

28	Upright Details (Clearspan)	BFBU/GU(CS:xx)
29	Sub-Sectioning and Paralleling Post (SSP)	
30	Sub-Sectioning Post (SS)	
31	Sectioning and Paralleling Post (SP)	
32	Feeding Post (FP)	
33	Obligatory	OBL
34	To Be Decided	TBD
35	Interrupter(BM)	
36	Potential Transformer (PT)	
37	Lightning Arrestor (LA)	
38	Booster Transformer	
39	Spare	
40	Overhead Protection Conductor Anchor	OPCA
41	Return Conductor Anchor	RCA
42	Tramway OHE	
43	In-Run Wire	
44	Out-of Run Wire	
45	PTFE	PTFE
46	Overhead Protection Conductor	OPC
47	Return Conductor	RC
48	Cross feeder	
49	Slack feeder	
50	Full Feeding Jumper	G
51	Potential Equalising Jumper	F PE
52	In-Span Jumper	H
53	RC and OPC Support	
54	Track at UP/DN line (Corridor 2)	
55	Track on Viaduct	

NOTES:-

1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS ARE TO BE READ AND NOT TO BE MEASURED.
3. ALIGNMENT OF THE PEGGING PLAN HAS BEEN PREPARED ACCORDING TO THE ALIGNMENT DRAWING RECEIVED FROM GC / KRIDE DT. 22-06-2024.
4. OHE CHAINAGES OF THE PEGGING PLAN HAS BEEN TAKEN WITH REFERENCE TO THE OHE SPAN FROM THE PREVIOUS LOCATION.
5. SPANS ARE ROUNDED OFF TO NEAREST SINGLE DECIMAL.
6. MAST TYPE SHALL BE DEMARCATED IN PEGGING PLAN AFTER FINALIZATION OF OHE LOAD CALCULATIONS.
7. OHE HEIGHT CLEARANCE UNDER/OVER LINE STRUCTURE (HT. LINE X-ING ETC.) TO BE CONFIRMED OR SPECIAL CARE TO BE TAKEN BEFORE ERECTION FOR THAT PARTICULAR AREA WHEREVER REQUIRED.

FOR TENDER PURPOSE ONLY

REV	DATE	DESCRIPTION	Originator	Checked	Approved
R0	05-09-2024	First Submission	KB / 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

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 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:
K.Bisht	D. Kalyan	R. Kapoor
S. Bhati	N. Parmar	S. Kumar

Client:

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-4 (Heelalige -Rajankunte)

Drawing Title: OHE Pegging Plan for Main Line
CH: 30+230Km to CH: 32+975Km

Project Stage: Tender Drawing

Paper Size: 297X5000

Discipline: Power Supply & Traction System

Date: 03/09/2024

Scale: NTS

Drawing no.: KRDD01-TDR-CR04-GEN-OCS-PGP-00012

Revision: R0