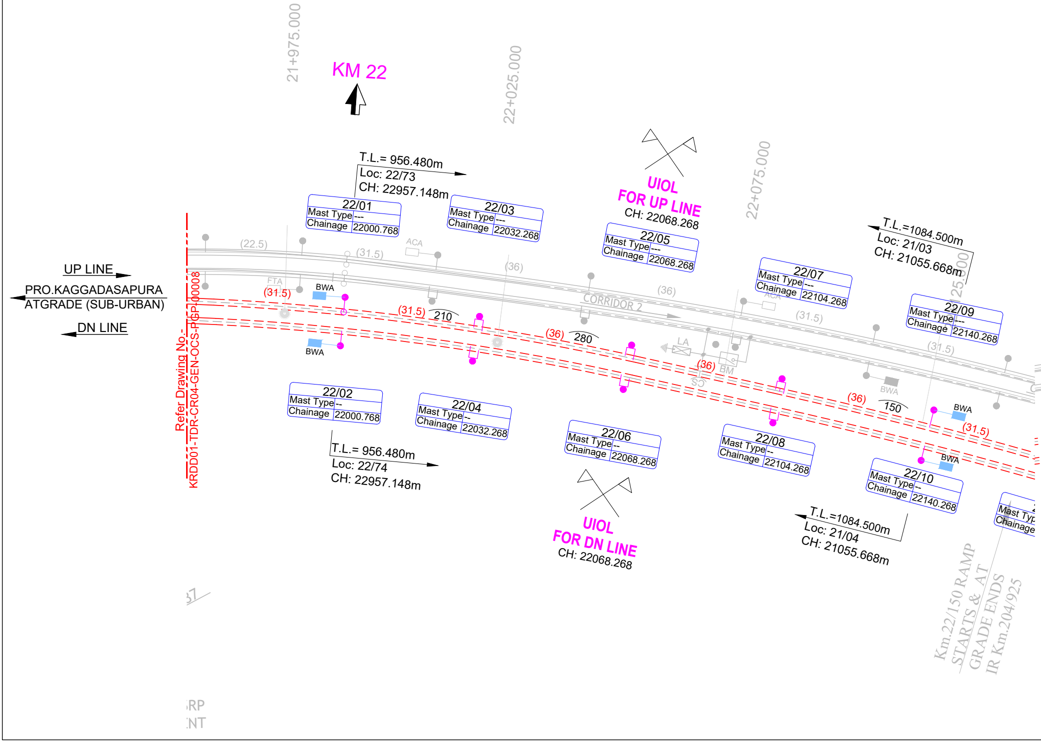
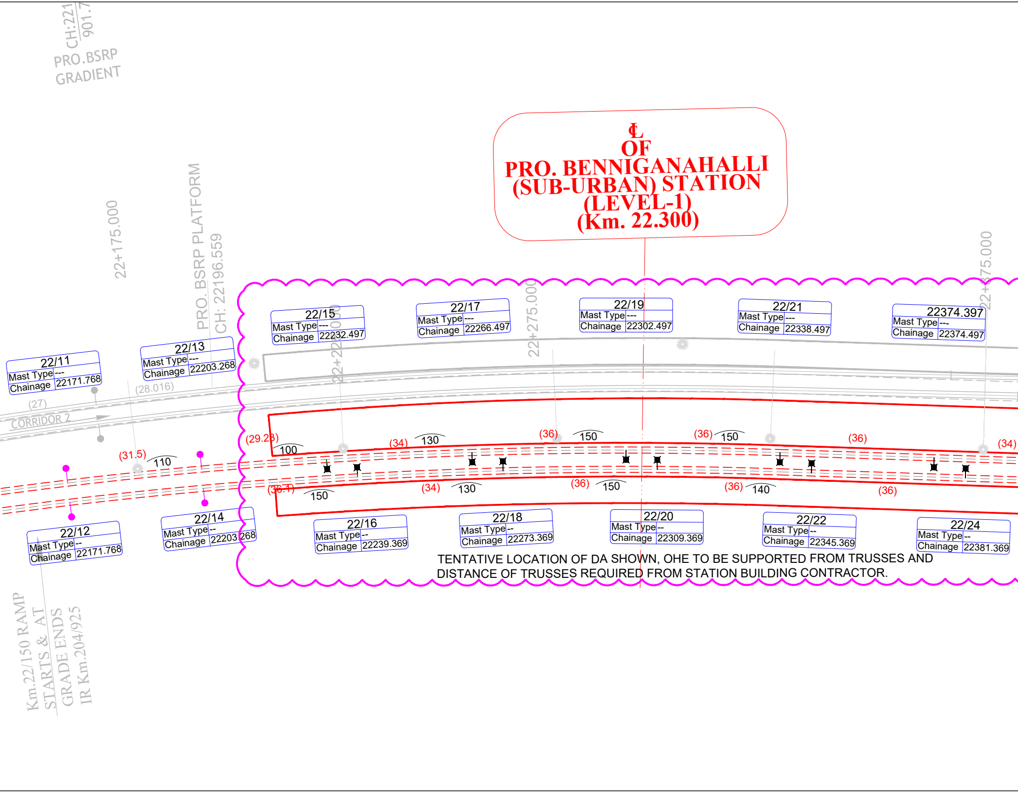
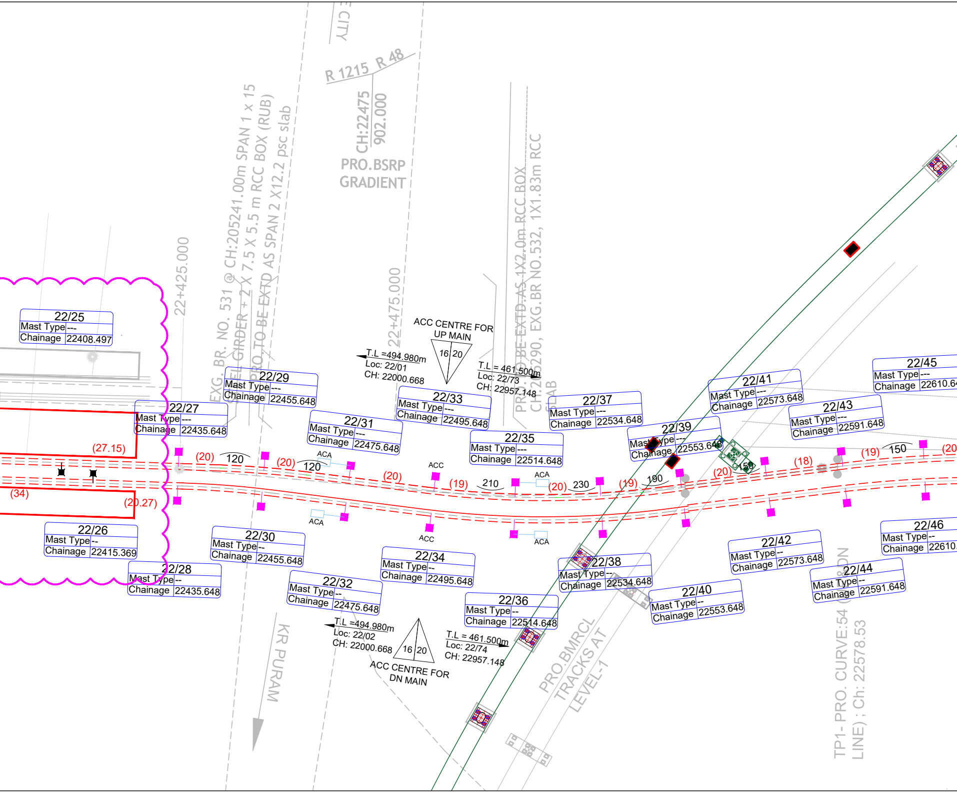
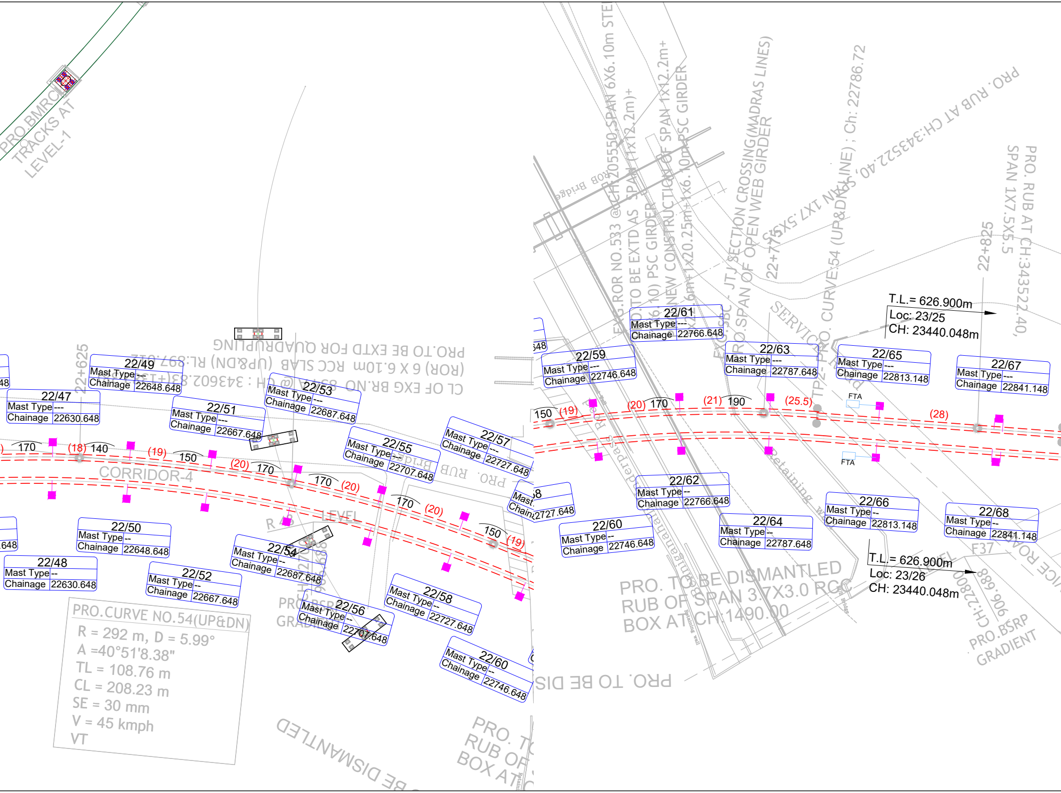
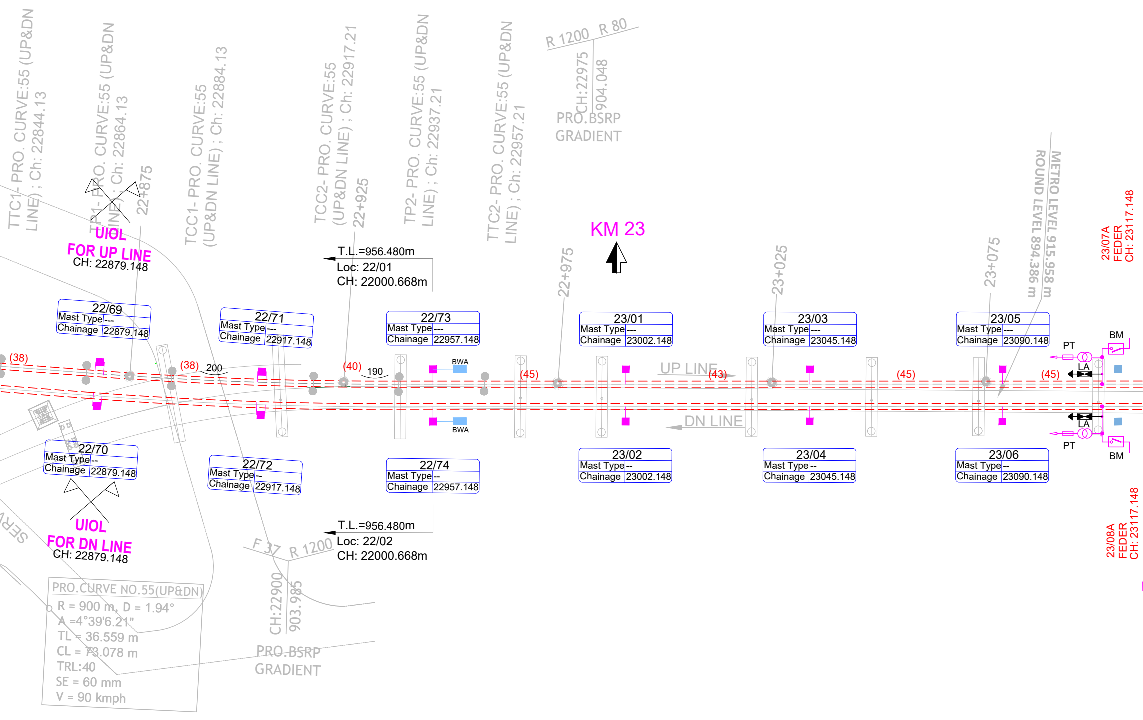

KM 22
21+975.000
22+025.000
22+075.000
22+125.000
UP LINE
PRO.KAGGADASAPURA
ATGRADE (SUB-URBAN)
DN LINE
Refer Drawing No:-
KRDD01-TDR-CR04-GEN-OCS-PGP-00008
T.L.= 956.480m
Loc: 22/73
CH: 22957.148m
T.L.= 956.480m
Loc: 22/74
CH: 22957.148m
22/01
Mast Type ---
Chainage 22000.768
22/02
Mast Type --
Chainage 22000.768
22/03
Mast Type ---
Chainage 22032.268
22/04
Mast Type --
Chainage 22032.268
22/05
Mast Type ---
Chainage 22068.268
22/06
Mast Type --
Chainage 22068.268
22/07
Mast Type ---
Chainage 22104.268
22/08
Mast Type --
Chainage 22104.268
22/09
Mast Type ---
Chainage 22140.268
22/10
Mast Type --
Chainage 22140.268
Mast Typ
Chainage
UIOL
FOR UP LINE
CH: 22068.268
UIOL
FOR DN LINE
CH: 22068.268
T.L.=1084.500m
Loc: 21/03
CH: 21055.668m
T.L.=1084.500m
Loc: 21/04
CH: 21055.668m
(22.5)
(31.5)
(36)
(31.5)
(31.5)
(36)
(36)
(36)
(31.5)
(31.5)
(31.5)
(36)
(36)
(31.5)
210
280
150
ACA
ACA
FTA
BWA
BWA
BWA
BWA
BWA
LA
BM
SC
CORRIDOR 2
Km.22/150 RAMP
STARTS & AT
GRADE ENDS
IR Km.204/925
RP
NT

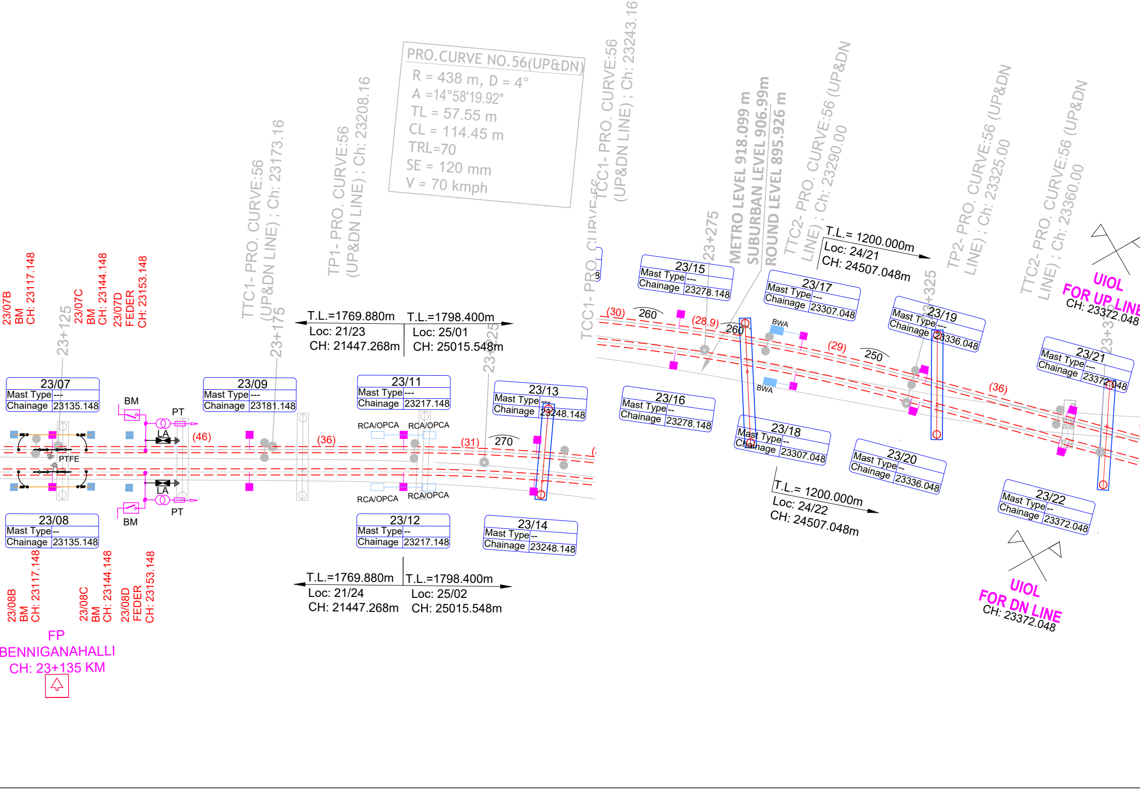

CH:221
901.7
PRO.BSRP
GRADIENT
℄
OF
PRO. BENNIGANAHALLI
(SUB-URBAN) STATION
(LEVEL-1)
(Km. 22.300)
22+175.000
PRO. BSRP PLATFORM
CH: 22196.559
22+275.000
22+375.000
22/11
Mast Type ---
Chainage 22171.768
22/13
Mast Type ---
Chainage 22203.268
22/15
Mast Type ---
Chainage 22232.497
22/17
Mast Type ---
Chainage 22266.497
22/19
Mast Type ---
Chainage 22302.497
22/21
Mast Type ---
Chainage 22338.497
22374.397
Mast Type ---
Chainage 22374.497
22/12
Mast Type --
Chainage 22171.768
22/14
Mast Type --
Chainage 22203.268
22/16
Mast Type --
Chainage 22239.369
22/18
Mast Type --
Chainage 22273.369
22/20
Mast Type --
Chainage 22309.369
22/22
Mast Type --
Chainage 22345.369
22/24
Mast Type --
Chainage 22381.369
(28.016)
(27)
CORRIDOR 2
(31.5)
110
(29.23)
100
(34)
130
(36)
150
(36)
150
(36)
(34)
(36.1)
150
(34)
130
(36)
150
(36)
140
(36)
Km.22/150 RAMP
STARTS & AT
GRADE ENDS
IR Km.204/925

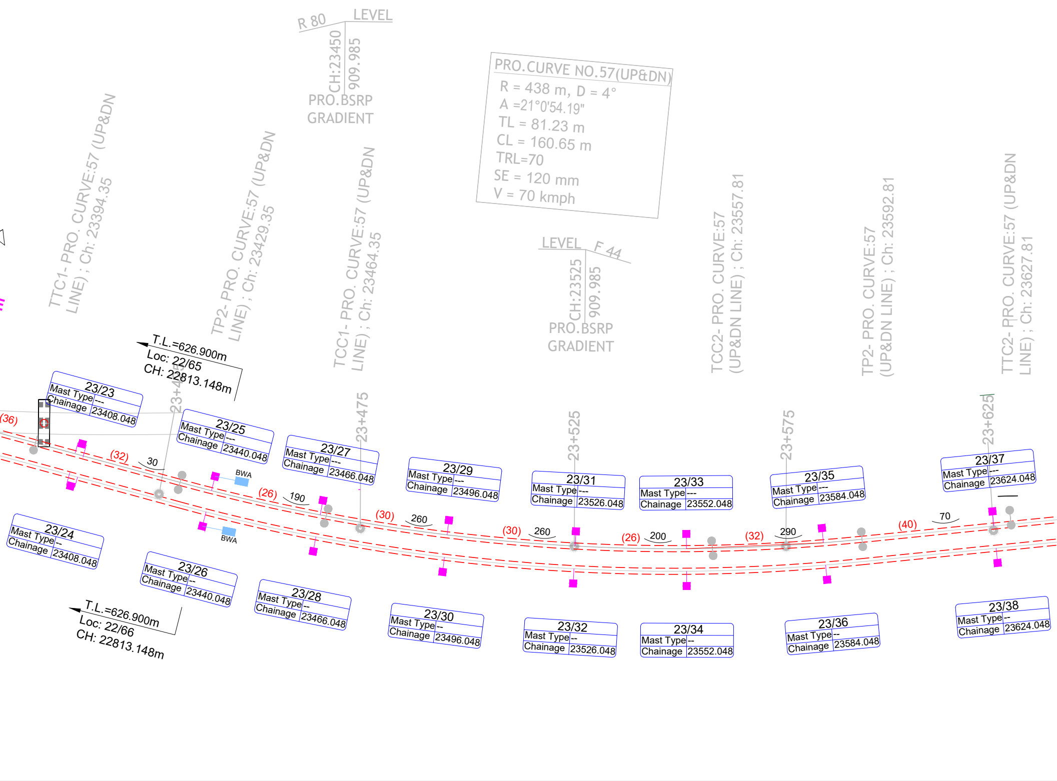
TENTATIVE LOCATION OF DA SHOWN, OHE TO BE SUPPORTED FROM TRUSSES AND DISTANCE OF TRUSSES REQUIRED FROM STATION BUILDING CONTRACTOR.

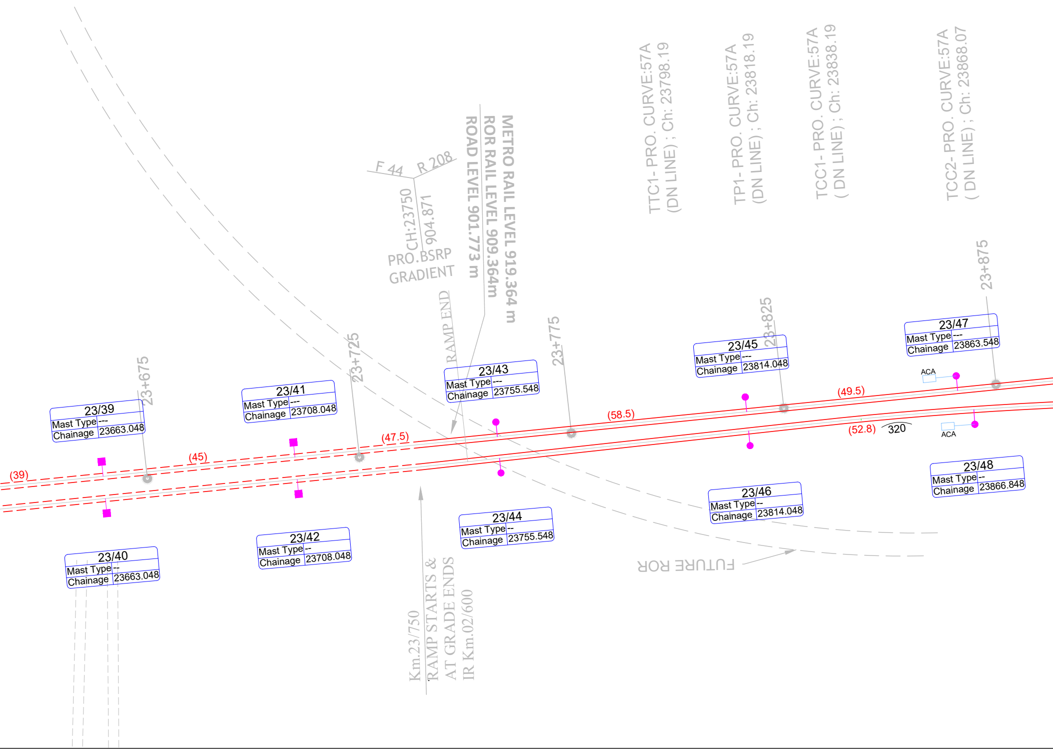

E CITY
R 1215 R 48
CH:22475
902.000
PRO.BSRP
GRADIENT
EXG. BR. NO. 531 @ CH:205241.00m SPAN 1 x 15
STEEL GIRDER + 2 X 7.5 X 5.5 m RCC BOX (RUB)
PRO. TO BE EXTD AS SPAN 2 X12.2 psc slab
22+425.000
22+475.000
PRO. TO BE EXTD AS 1X2.0m RCC BOX
CH:205290, EXG.BR NO.532, 1X1.83m RCC
SLAB
ACC CENTRE FOR
UP MAIN
16 20
T.L =494.980m
Loc: 22/01
CH: 22000.668
T.L = 461.500m
Loc: 22/73
CH: 22957.148
22/25
Mast Type ---
Chainage 22408.497
22/26
Mast Type --
Chainage 22415.369
22/27
Mast Type ---
Chainage 22435.648
22/28
Mast Type --
Chainage 22435.648
22/29
Mast Type ---
Chainage 22455.648
22/30
Mast Type --
Chainage 22455.648
22/31
Mast Type ---
Chainage 22475.648
22/32
Mast Type --
Chainage 22475.648
22/33
Mast Type ---
Chainage 22495.648
22/34
Mast Type --
Chainage 22495.648
22/35
Mast Type ---
Chainage 22514.648
22/36
Mast Type --
Chainage 22514.648
22/37
Mast Type ---
Chainage 22534.648
22/38
Mast Type --
Chainage 22534.648
22/39
Mast Type ---
Chainage 22553.648
22/40
Mast Type --
Chainage 22553.648
22/41
Mast Type ---
Chainage 22573.648
22/42
Mast Type --
Chainage 22573.648
22/43
Mast Type ---
Chainage 22591.648
22/44
Mast Type --
Chainage 22591.648
22/45
Mast Type ---
Chainage 22610.6
22/46
Mast Type --
Chainage 22610.
(27.15)
(34)
(20.27)
(20) 120
(20) 120
(20)
(19) 210
(20) 230
(19) 190
(20) 150
(18)
(19) 150
(20
ACA
ACC
ACA
ACA
ACC
ACA
T.L =494.980m
Loc: 22/02
CH: 22000.668
16 20
ACC CENTRE FOR
DN MAIN
T.L = 461.500m
Loc: 22/74
CH: 22957.148
KR PURAM
PRO.BMRCL
TRACKS AT
LEVEL-1
TP1- PRO. CURVE:54 (ON
LINE) ; Ch: 22578.53

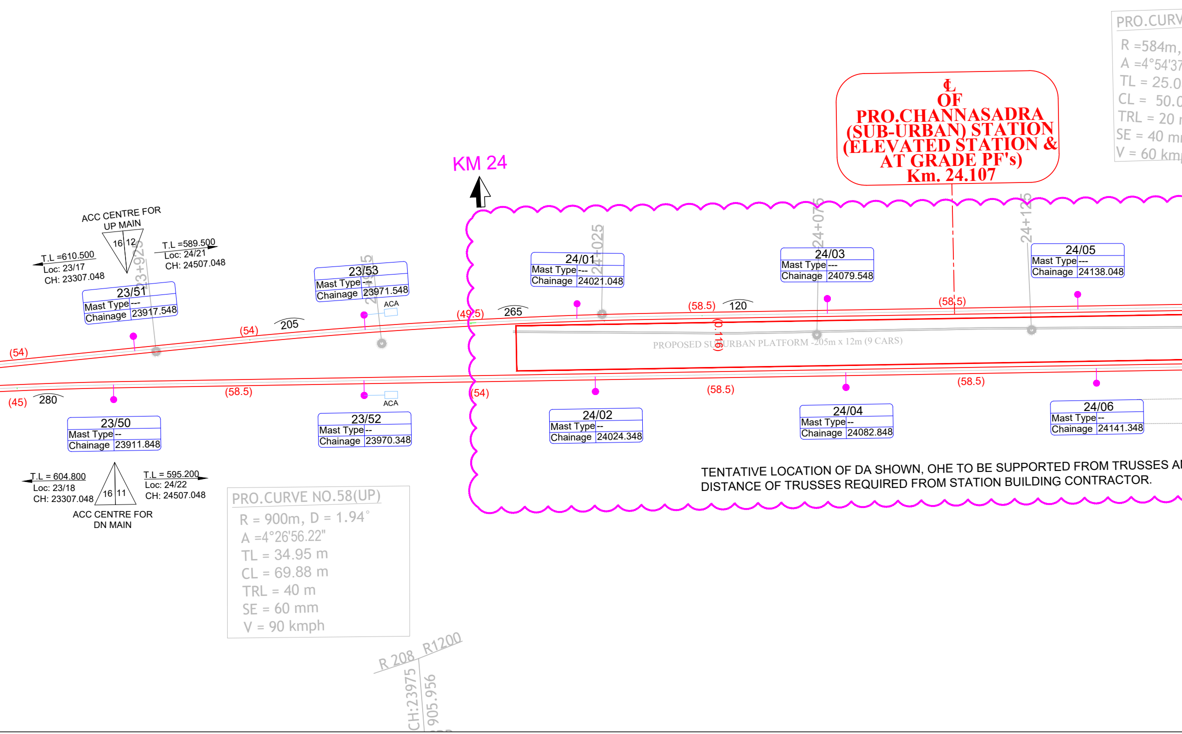

PRO.BMRCL TRACKS AT LEVEL-1
22+625
22/47 Mast Type --- Chainage 22630.648
22/48 Mast Type -- Chainage 22630.648
22/49 Mast Type --- Chainage 22648.648
22/50 Mast Type -- Chainage 22648.648
22/51 Mast Type --- Chainage 22667.648
22/52 Mast Type -- Chainage 22667.648
22/53 Mast Type --- Chainage 22687.648
22/54 Mast Type -- Chainage 22687.648
22/55 Mast Type --- Chainage 22707.648
22/56 Mast Type -- Chainage 22707.648
22/57 Mast Type --- Chainage 22727.648
22/58 Mast Type -- Chainage 22727.648
22/59 Mast Type --- Chainage 22746.648
22/60 Mast Type -- Chainage 22746.648
22/61 Mast Type --- Chainage 22766.648
22/62 Mast Type -- Chainage 22766.648
22/63 Mast Type --- Chainage 22787.648
22/64 Mast Type -- Chainage 22787.648
22/65 Mast Type --- Chainage 22813.148
22/66 Mast Type -- Chainage 22813.148
22/67 Mast Type --- Chainage 22841.148
22/68 Mast Type -- Chainage 22841.148
170 (18) 140 (19) 150 (20) 170 170 (20) 170 (20) 150 (19)
150 (19) (20) 170 (21) 190 (25.5) (28)
CORRIDOR-4
LEVEL
PRO.CURVE NO.54(UP&DN)
R = 292 m, D = 5.99°
A =40°51'8.38"
TL = 108.76 m
CL = 208.23 m
SE = 30 mm
V = 45 kmph
VT
PRO.TO BE EXTD FOR QUADRUPLING
(ROB) 6 X 6.10m RCC SLAB (UP&DN) RL:897.812
CL OF EXG BR.NO 534 @ CH : 343602.83(+1)
PRO. RUB
PRO. TO BE DISMANTLED
PRO. T RUB OF BOX AT
T.L.= 626.900m
Loc: 23/25
CH: 23440.048m
T.L.= 626.900m
Loc: 23/26
CH: 23440.048m
FTA
FTA
F37
22+775
22+825
EXG.ROR NO.533 @CH:205550 SPAN 6X6.10m STEEL
PRO. TO BE EXTD AS SPAN (1X12.2m)+ (6X6.10) PSC GIRDER
NEW CONSTRUCTION OF SPAN 1X12.2m+ 6m+1X20.25m+1X6.10m PSC GIRDER
EXG.SBC - JTJ SECTION CROSSING(MADRAS LINES)
PRO.SPAN OF OPEN WEB GIRDER
SSX5.27 NX1 (UP&DN)
PRO. CURVE:54 (UP&DN LINE) ; Ch: 22786.72
PRO. RUB AT CH:343522.40, SPAN 1X7.5X5.5
PRO. RUB AT CH:343522.40,
PRO. TO BE DISMANTLED RUB OF SPAN 3.7X3.0 RCC BOX AT CH:1490.00
PRO. TO BE DIS
PRO.BSRP GRADIENT
CH:22800 906.688
SERVICE ROAD
ROB Bridge
Road Underpass
Retaining wall
Retaining wall
Bridge


TTC1- PRO. CURVE:55 (UP&DN LINE) ; Ch: 22844.13
TP1- PRO. CURVE:55 (UP&DN LINE) ; Ch: 22864.13
22+875
TCC1- PRO. CURVE:55 (UP&DN LINE) ; Ch: 22884.13
TCC2- PRO. CURVE:55 (UP&DN LINE) ; Ch: 22917.21
22+925
TP2- PRO. CURVE:55 (UP&DN LINE) ; Ch: 22937.21
TTC2- PRO. CURVE:55 (UP&DN LINE) ; Ch: 22957.21
R 1200
R 80
CH:22975
904.048
PRO.BSRP GRADIENT
22+975
KM 23
23+025
23+075
ROUND LEVEL 894.386 m
METRO LEVEL 915.958 m
23/07A FEDER CH: 23117.148
UIOL FOR UP LINE
CH: 22879.148
T.L.=956.480m
Loc: 22/01
CH: 22000.668m
22/69
Mast Type ---
Chainage 22879.148
22/71
Mast Type ---
Chainage 22917.148
22/73
Mast Type ---
Chainage 22957.148
23/01
Mast Type ---
Chainage 23002.148
23/03
Mast Type ---
Chainage 23045.148
23/05
Mast Type ---
Chainage 23090.148
PT
BM
LA
(38)
(38)
200
(40)
190
BWA
(45)
UP LINE
(43)
(45)
(45)
DN LINE
BWA
LA
PT
BM
22/70
Mast Type --
Chainage 22879.148
22/72
Mast Type --
Chainage 22917.148
22/74
Mast Type --
Chainage 22957.148
23/02
Mast Type --
Chainage 23002.148
23/04
Mast Type --
Chainage 23045.148
23/06
Mast Type --
Chainage 23090.148
UIOL FOR DN LINE
CH: 22879.148
T.L.=956.480m
Loc: 22/02
CH: 22000.668m
F 37
R 1200
CH:22900
903.985
PRO.BSRP GRADIENT
23/08A FEDER CH: 23117.148
SERV
PRO.CURVE NO.55(UP&DN)
R = 900 m, D = 1.94°
A =4°39'6.21"
TL = 36.559 m
CL = 73.078 m
TRL:40
SE = 60 mm
V = 90 kmph

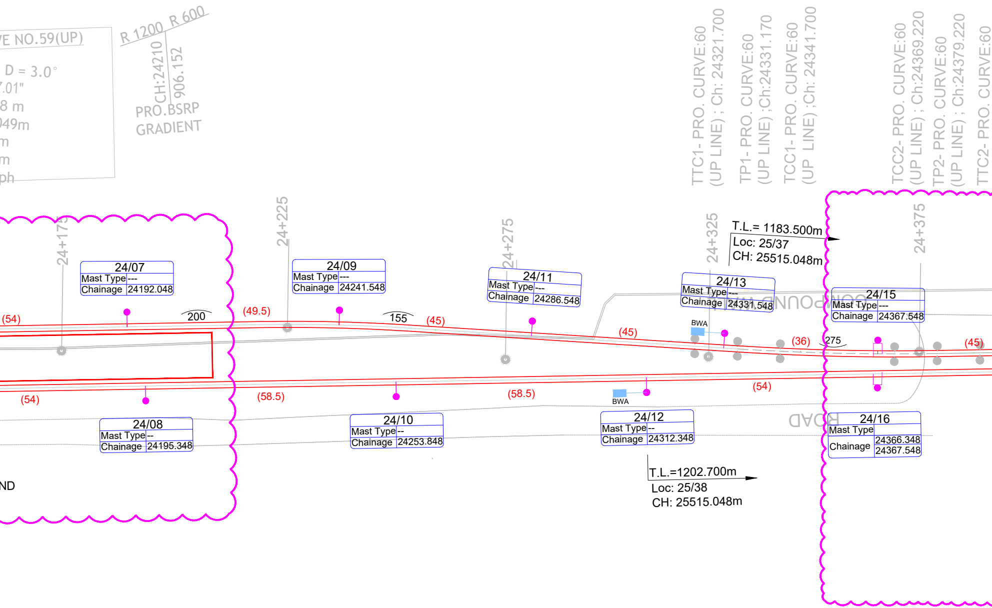

PRO.CURVE NO.56(UP&DN)
R = 438 m, D = 4°
A =14°58'19.92"
TL = 57.55 m
CL = 114.45 m
TRL=70
SE = 120 mm
V = 70 kmph
TTC1- PRO. CURVE:56 (UP&DN LINE) ; Ch: 23173.16
TP1- PRO. CURVE:56 (UP&DN LINE) ; Ch: 23208.16
TCC1- PRO. CURVE:56 (UP&DN LINE) ; Ch: 23243.16
TTC2- PRO. CURVE:56 (UP&DN LINE) ; Ch: 23290.00
TP2- PRO. CURVE:56 (UP&DN LINE) ; Ch: 23325.00
TTC2- PRO. CURVE:56 (UP&DN LINE) ; Ch: 23360.00
METRO LEVEL 918.099 m
SUBURBAN LEVEL 906.99m
ROUND LEVEL 895.926 m
23+125
23+175
23+225
23+275
23+325
23/07B BM CH: 23117.148
23/07C BM CH: 23144.148
23/07D FEDER CH: 23153.148
23/08B BM CH: 23117.148
23/08C BM CH: 23144.148
23/08D FEDER CH: 23153.148
T.L.=1769.880m
Loc: 21/23
CH: 21447.268m
T.L.=1798.400m
Loc: 25/01
CH: 25015.548m
T.L.=1769.880m
Loc: 21/24
CH: 21447.268m
T.L.=1798.400m
Loc: 25/02
CH: 25015.548m
T.L.= 1200.000m
Loc: 24/21
CH: 24507.048m
T.L.= 1200.000m
Loc: 24/22
CH: 24507.048m
23/07 Mast Type --- Chainage 23135.148
23/08 Mast Type -- Chainage 23135.148
23/09 Mast Type --- Chainage 23181.148
23/11 Mast Type --- Chainage 23217.148
23/12 Mast Type -- Chainage 23217.148
23/13 Mast Type --- Chainage 23248.148
23/14 Mast Type -- Chainage 23248.148
23/15 Mast Type --- Chainage 23278.148
23/16 Mast Type -- Chainage 23278.148
23/17 Mast Type --- Chainage 23307.048
23/18 Mast Type -- Chainage 23307.048
23/19 Mast Type --- Chainage 23336.048
23/20 Mast Type -- Chainage 23336.048
23/21 Mast Type --- Chainage 23372.048
23/22 Mast Type -- Chainage 23372.048
BM
PT
LA
PTFE
LA
PT
BM
(46)
(36)
(31)
270
RCA/OPCA
RCA/OPCA
RCA/OPCA
RCA/OPCA
(30)
260
(28.9)
260
BWA
BWA
(29)
250
(36)
UIOL FOR UP LINE CH: 23372.048
UIOL FOR DN LINE CH: 23372.048
FP BENNIGANAHALLI CH: 23+135 KM

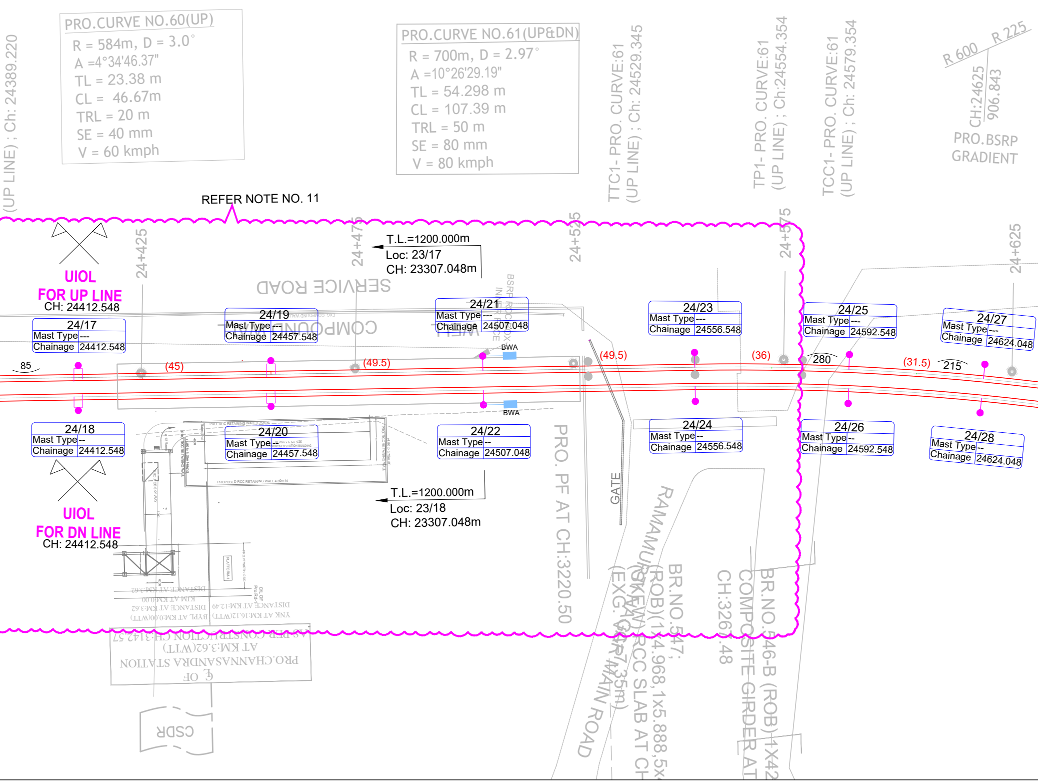

R 80
LEVEL
CH:23450
909.985
PRO.BSRP
GRADIENT
PRO.CURVE NO.57(UP&DN)
R = 438 m, D = 4°
A =21°0'54.19"
TL = 81.23 m
CL = 160.65 m
TRL=70
SE = 120 mm
V = 70 kmph
LEVEL
F 44
CH:23525
909.985
PRO.BSRP
GRADIENT
TTC1- PRO. CURVE:57 (UP&DN LINE) ; Ch: 23394.35
TP2- PRO. CURVE:57 (UP&DN LINE) ; Ch: 23429.35
TCC1- PRO. CURVE:57 (UP&DN LINE) ; Ch: 23464.35
TCC2- PRO. CURVE:57 (UP&DN LINE) ; Ch: 23557.81
TP2- PRO. CURVE:57 (UP&DN LINE) ; Ch: 23592.81
TTC2- PRO. CURVE:57 (UP&DN LINE) ; Ch: 23627.81
T.L.=626.900m
Loc: 22/65
CH: 22813.148m
23+425
23+475
23+525
23+575
23+625
23/23
Mast Type ---
Chainage 23408.048
23/25
Mast Type ---
Chainage 23440.048
23/27
Mast Type ---
Chainage 23466.048
23/29
Mast Type ---
Chainage 23496.048
23/31
Mast Type ---
Chainage 23526.048
23/33
Mast Type ---
Chainage 23552.048
23/35
Mast Type ---
Chainage 23584.048
23/37
Mast Type ---
Chainage 23624.048
(36)
(32)
30
BWA
(26)
190
(30)
260
(30)
260
(26)
200
(32)
290
(40)
70
BWA
23/24
Mast Type --
Chainage 23408.048
23/26
Mast Type --
Chainage 23440.048
23/28
Mast Type --
Chainage 23466.048
23/30
Mast Type --
Chainage 23496.048
23/32
Mast Type --
Chainage 23526.048
23/34
Mast Type --
Chainage 23552.048
23/36
Mast Type --
Chainage 23584.048
23/38
Mast Type --
Chainage 23624.048
T.L.=626.900m
Loc: 22/66
CH: 22813.148m

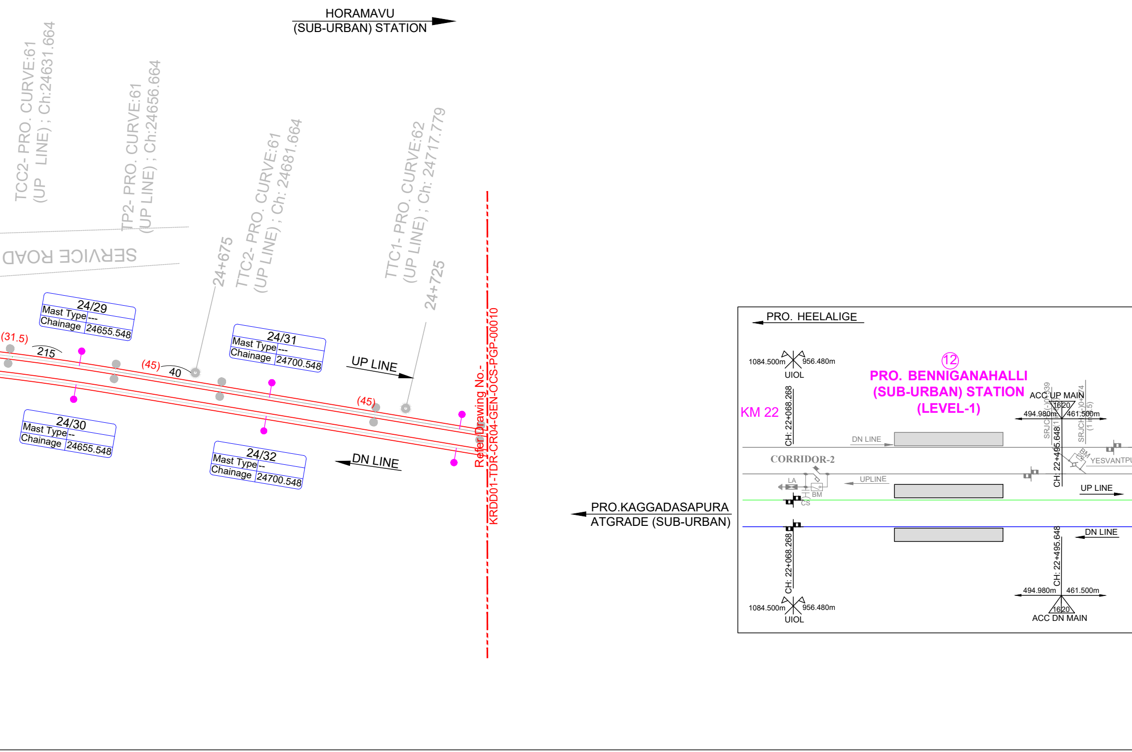

TTC1- PRO. CURVE:57A
(DN LINE) ; Ch: 23798.19
TP1- PRO. CURVE:57A
(DN LINE) ; Ch: 23818.19
TCC1- PRO. CURVE:57A
(DN LINE) ; Ch: 23838.19
TCC2- PRO. CURVE:57A
(DN LINE) ; Ch: 23868.07
METRO RAIL LEVEL 919.364 m
ROR RAIL LEVEL 909.364m
ROAD LEVEL 901.773 m
F 44
R 208
PRO.CH:23750
904.871
PRO.BSRP
GRADIENT
RAMP END
23+675
23+725
23+775
23+825
23+875
23/39
Mast Type ---
Chainage 23663.048
23/40
Mast Type --
Chainage 23663.048
23/41
Mast Type ---
Chainage 23708.048
23/42
Mast Type --
Chainage 23708.048
23/43
Mast Type ---
Chainage 23755.548
23/44
Mast Type --
Chainage 23755.548
23/45
Mast Type ---
Chainage 23814.048
23/46
Mast Type --
Chainage 23814.048
23/47
Mast Type ---
Chainage 23863.548
23/48
Mast Type --
Chainage 23866.848
(39)
(45)
(47.5)
(58.5)
(49.5)
(52.8)
320
ACA
ACA
FUTURE ROR
Km.23/750
RAMP STARTS &
AT GRADE ENDS
IR Km.02/600


KM 24
Ⱡ
OF
PRO.CHANNASADRA
(SUB-URBAN) STATION
(ELEVATED STATION &
AT GRADE PF's)
Km. 24.107
PRO.CURV
R =584m,
A =4°54'37
TL = 25.0
CL = 50.0
TRL = 20 r
SE = 40 mr
V = 60 kmp
ACC CENTRE FOR
UP MAIN
16
12
T.L =610.500
Loc: 23/17
CH: 23307.048
T.L =589.500
Loc: 24/21
CH: 24507.048
23+925
23/51
Mast Type ---
Chainage 23917.548
23/53
Mast Type ---
Chainage 23971.548
23+975
ACA
24/01
Mast Type ---
Chainage 24021.048
24+025
24/03
Mast Type ---
Chainage 24079.548
24+075
24/05
Mast Type ---
Chainage 24138.048
24+125
(54)
(54)
205
(49.5)
265
(58.5)
120
(58.5)
(0.116)
PROPOSED SUBURBAN PLATFORM -205m x 12m (9 CARS)
(45)
280
(58.5)
ACA
(54)
(58.5)
(58.5)
23/50
Mast Type --
Chainage 23911.848
23/52
Mast Type --
Chainage 23970.348
24/02
Mast Type --
Chainage 24024.348
24/04
Mast Type --
Chainage 24082.848
24/06
Mast Type --
Chainage 24141.348
T.L = 604.800
Loc: 23/18
CH: 23307.048
16
11
T.L = 595.200
Loc: 24/22
CH: 24507.048
ACC CENTRE FOR
DN MAIN
PRO.CURVE NO.58(UP)
R = 900m, D = 1.94°
A =4°26'56.22"
TL = 34.95 m
CL = 69.88 m
TRL = 40 m
SE = 60 mm
V = 90 kmph
R 208
R1200
CH:23975
905.956

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


E NO.59(UP)
D = 3.0°
.01"
8 m
49m
m
m
ph
R 1200
R 600
CH:24210
906.152
PRO.BSRP
GRADIENT
TTC1- PRO. CURVE:60 (UP LINE) ; Ch: 24321.700
TP1- PRO. CURVE:60 (UP LINE) ;Ch:24331.170
TCC1- PRO. CURVE:60 (UP LINE) ;Ch: 24341.700
TCC2- PRO. CURVE:60 (UP LINE) ; Ch:24369.220
TP2- PRO. CURVE:60 (UP LINE) ; Ch:24379.220
TTC2- PRO. CURVE:60
24+175
24+225
24+275
24+325
24+375
24/07
Mast Type ---
Chainage 24192.048
24/09
Mast Type ---
Chainage 24241.548
24/11
Mast Type ---
Chainage 24286.548
24/13
Mast Type ---
Chainage 24331.548
T.L.= 1183.500m
Loc: 25/37
CH: 25515.048m
24/15
Mast Type ---
Chainage 24367.548
COMPOUND
(54)
200
(49.5)
155
(45)
(45)
BWA
(36)
275
(45)
(54)
(58.5)
(58.5)
BWA
(54)
24/08
Mast Type --
Chainage 24195.348
24/10
Mast Type --
Chainage 24253.848
24/12
Mast Type --
Chainage 24312.348
ROAD
24/16
Mast Type
Chainage 24366.348 24367.548
T.L.=1202.700m
Loc: 25/38
CH: 25515.048m
ND


(UP LINE) ; Ch: 24389.220
PRO.CURVE NO.60(UP)
R = 584m, D = 3.0°
A =4°34'46.37"
TL = 23.38 m
CL = 46.67m
TRL = 20 m
SE = 40 mm
V = 60 kmph
PRO.CURVE NO.61(UP&DN)
R = 700m, D = 2.97°
A =10°26'29.19"
TL = 54.298 m
CL = 107.39 m
TRL = 50 m
SE = 80 mm
V = 80 kmph
TTC1- PRO. CURVE:61 (UP LINE) ; Ch: 24529.345
TP1- PRO. CURVE:61 (UP LINE) ; Ch:24554.354
TCC1- PRO. CURVE:61 (UP LINE) ; Ch: 24579.354
R 600
R 225
CH:24625
906.843
PRO.BSRP GRADIENT
REFER NOTE NO. 11
UIOL
FOR UP LINE
CH: 24412.548
24+425
24+475
24+525
24+575
24+625
T.L.=1200.000m
Loc: 23/17
CH: 23307.048m
SERVICE ROAD
COMPOUND WALL
24/17
Mast Type ---
Chainage 24412.548
24/19
Mast Type ---
Chainage 24457.548
24/21
Mast Type ---
Chainage 24507.048
24/23
Mast Type ---
Chainage 24556.548
24/25
Mast Type ---
Chainage 24592.548
24/27
Mast Type ---
Chainage 24624.048
BSRP RCC BOX
BWA
85
(45)
(49.5)
(49.5)
(36)
280
(31.5)
215
BWA
24/18
Mast Type --
Chainage 24412.548
24/20
Mast Type --
Chainage 24457.548
24/22
Mast Type --
Chainage 24507.048
24/24
Mast Type --
Chainage 24556.548
24/26
Mast Type --
Chainage 24592.548
24/28
Mast Type --
Chainage 24624.048
UIOL
FOR DN LINE
CH: 24412.548
PROPOSED RCC RETAINING WALL 4.80m ht
T.L.=1200.000m
Loc: 23/18
CH: 23307.048m
PRO. PF AT CH:3220.50
GATE
RAMAMURTHY NAGAR MAIN ROAD
(EXG. 1x7.35m)
(ROB)(1x4.968, 1x5.888, 5x
SKEW RCC SLAB AT CH
BR.NO.547;
CH:3267.48
COMPOSITE GIRDER AT
BR.NO.546-B (ROB) 1X42
PLATFORM-1


HORAMAVU
(SUB-URBAN) STATION
TCC2- PRO. CURVE:61
(UP LINE) ; Ch:24631.664
TP2- PRO. CURVE:61
(UP LINE) ; Ch:24656.664
TTC2- PRO. CURVE:61
(UP LINE) ; Ch: 24681.664
TTC1- PRO. CURVE:62
(UP LINE) ; Ch: 24717.779
SERVICE ROAD
24+675
24+725
24/29
Mast Type ---
Chainage 24655.548
24/31
Mast Type ---
Chainage 24700.548
24/30
Mast Type --
Chainage 24655.548
24/32
Mast Type --
Chainage 24700.548
(31.5)
215
(45)
40
(45)
UP LINE
DN LINE
Refer Drawing No.-
KRDD01-TDR-CR04-GEN-OCS-PGP-00010
PRO.KAGGADASAPURA
ATGRADE (SUB-URBAN)
PRO. HEELALIGE
1084.500m
956.480m
UIOL
⑫
PRO. BENNIGANAHALLI
(SUB-URBAN) STATION
(LEVEL-1)
KM 22
CH: 22+068.268
ACC UP MAIN
1620
494.980m
461.500m
SRJC
SRJCH
CH: 22+495.648
DN LINE
CORRIDOR-2
BM
YESVANTPU
LA
UPLINE
BM
CS
UP LINE
DN LINE
CH: 22+068.268
CH: 22+495.648
494.980m
461.500m
1084.500m
956.480m
UIOL
1620
ACC DN MAIN

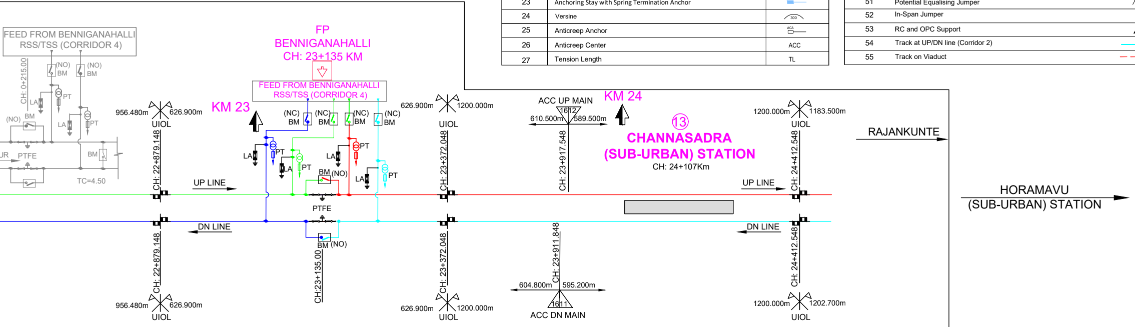
LEGEND

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	
46	Overhead Protection Conductor	
47	Return Conductor	
48	Cross feeder	
49	Slack feeder	
50	Full Feeding Jumper	
51	Potential Equalising Jumper	
52	In-Span Jumper	
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.
8. OHE LOCATIONS TO BE REVISED NEAR BMRCL CROSSING B/W 22475 TO 23775 AFTER THE FINALIZATION OF PIER SPAN ARRANGEMENT AND RECEIVING OF BMRC CROSSING CROSSECTIONS FOR CLEARANCE STUDY.
9. OHE LOCATIONS IN THE ELEVATED SECTION WILL BE REEVALUATED AFTER THE FINALIZATION OF PIER SPAN ARRANGEMENT.
10. FROM LOC NO. 23/45-46 TO 24/13-12 DIFFERENT OHE CHAINAGES TO BE FOLLOWED FOR UP & DN LINE DUE TO ISLAND TYPE STATION.
11. CROSSECTION DETAILS OF BSRP RCC BOX IS REQUIRED B/W CH: 24375 - 24575 FOR FINALIZING OF OHE ARRANGEMENT.


FEED FROM BENNIGANAHALLI RSS/TSS (CORRIDOR 4)
CH: 0+215.00
(NO) BM
(NO) BM
PT
LA
(NO) BM
LA
PT
UR
PTFE
BM
TC=4.50
FP
BENNIGANAHALLI
CH: 23+135 KM
FEED FROM BENNIGANAHALLI RSS/TSS (CORRIDOR 4)
KM 23
956.480m
626.900m
UIOL
CH: 22+879.148
UP LINE
(NC) BM
(NC) BM
(NC) BM
(NC) BM
LA
PT
LA
PT
LA
PT
LA
PT
BM (NO)
PTFE
DN LINE
BM (NO)
CH:23+135.00
626.900m
1200.000m
UIOL
CH: 23+372.048
ACC UP MAIN
1612
610.500m
589.500m
CH: 23+917.548
KM 24
13
CHANNASADRA
(SUB-URBAN) STATION
CH: 24+107Km
UP LINE
DN LINE
1200.000m
1183.500m
UIOL
CH: 24+412.548
RAJANKUNTE
HORAMAVU
(SUB-URBAN) STATION
CH: 22+879.148
956.480m
626.900m
UIOL
CH: 23+372.048
626.900m
1200.000m
UIOL
CH: 23+911.848
604.800m
595.200m
1611
ACC DN MAIN
CH: 24+412.548
1200.000m
1202.700m
UIOL

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.

REV	DATE	DESCRIPTION	Originator	Checked	Approved
R0	30-08-2024	First Submission	KB / SB	CK/NP	RK/SK

FOR TENDER PURPOSE ONLY

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
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Drawn		Checked:		Approved:	
K.Bisht		D. Kalyan		R. Kapoor	
S. Bhati		N. Parmar		S. Kumar	Satish 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 (Pro.Heelalige -Rajankunte)

Drawing Title:
OHE Pegging Plan for Main Line
CH: 22+000.668Km to CH: 24+725Km

Project Stage: Tender Drawing

Paper Size: 297X5000
Discipline: Power Supply & Traction System
Date: 30/08/2024
Scale: NTS

Drawing no.: KRDD01-TDR-CR04-GEN-OCS-PGP-00009
Revision: R0