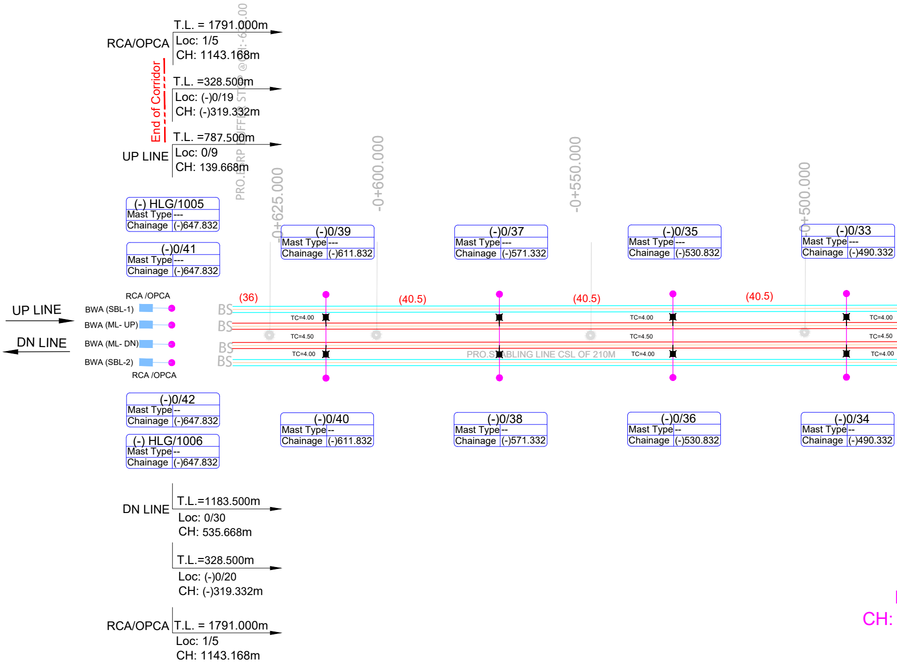
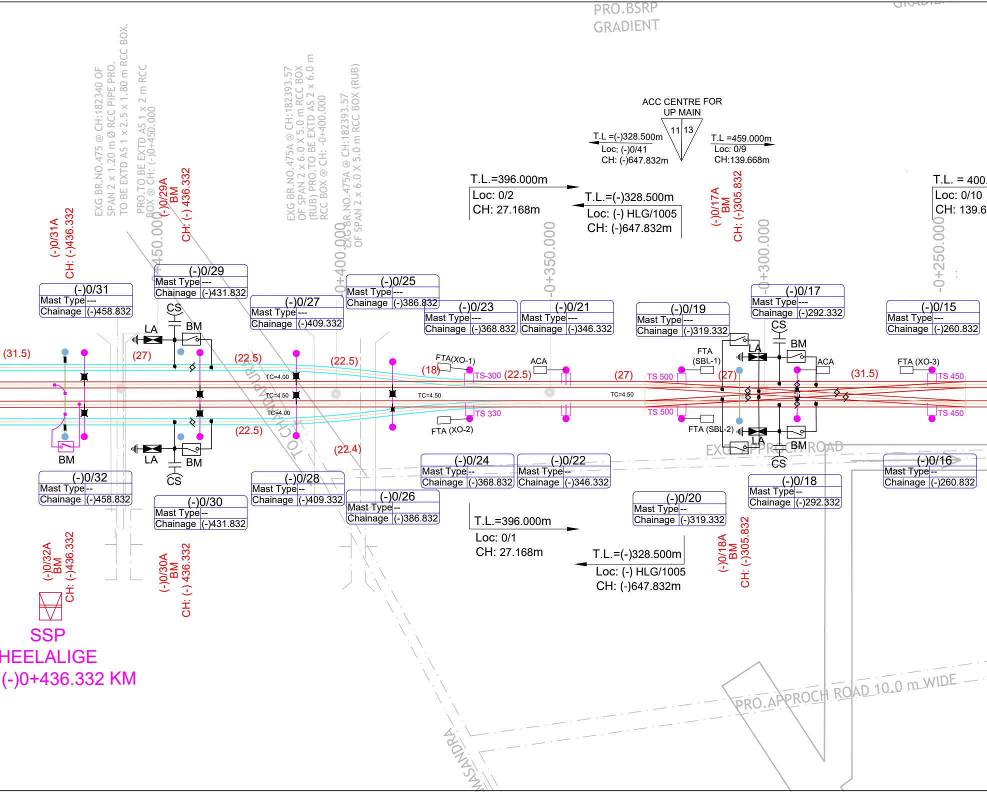
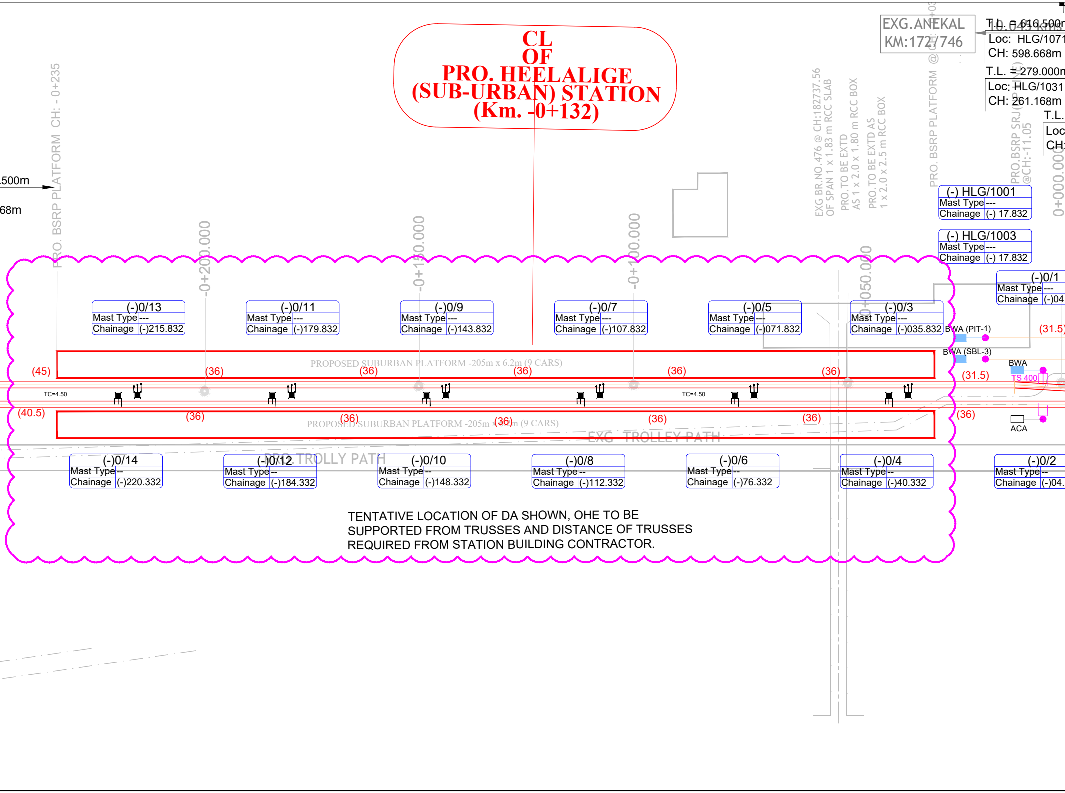

RCA/OPCA
T.L. = 1791.000m
Loc: 1/5
CH: 1143.168m
End of Corridor
T.L. =328.500m
Loc: (-)0/19
CH: (-)319.332m
UP LINE
T.L. =787.500m
Loc: 0/9
CH: 139.668m
PRO.BERP BUFFER STOP @CH:-6
-0+625.000
-0+600.000
-0+550.000
-0+500.000
(-) HLG/1005
Mast Type ---
Chainage (-)647.832
(-)0/41
Mast Type ---
Chainage (-)647.832
(-)0/39
Mast Type ---
Chainage (-)611.832
(-)0/37
Mast Type ---
Chainage (-)571.332
(-)0/35
Mast Type ---
Chainage (-)530.832
(-)0/33
Mast Type ---
Chainage (-)490.332
UP LINE
DN LINE
RCA /OPCA
BWA (SBL-1)
BWA (ML- UP)
BWA (ML- DN)
BWA (SBL-2)
RCA /OPCA
BS
BS
BS
BS
(36)
(40.5)
(40.5)
(40.5)
TC=4.00
TC=4.50
TC=4.00
TC=4.00
TC=4.50
TC=4.00
TC=4.00
TC=4.50
TC=4.00
PRO.STABLING LINE CSL OF 210M
(-)0/42
Mast Type --
Chainage (-)647.832
(-) HLG/1006
Mast Type --
Chainage (-)647.832
(-)0/40
Mast Type --
Chainage (-)611.832
(-)0/38
Mast Type --
Chainage (-)571.332
(-)0/36
Mast Type --
Chainage (-)530.832
(-)0/34
Mast Type --
Chainage (-)490.332
DN LINE
T.L.=1183.500m
Loc: 0/30
CH: 535.668m
T.L.=328.500m
Loc: (-)0/20
CH: (-)319.332m
RCA/OPCA
T.L. = 1791.000m
Loc: 1/5
CH: 1143.168m
CH:

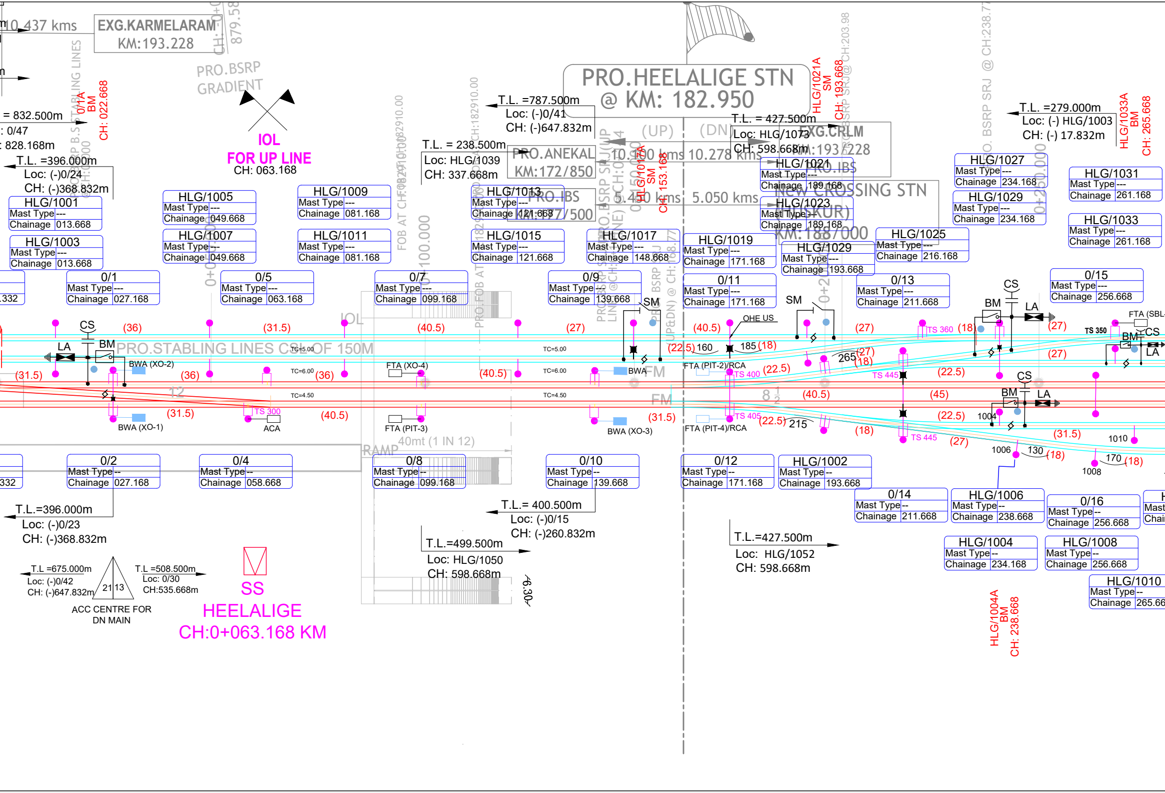

PRO.BSRP
GRADIENT
EXG BR.NO.475 @ CH:182340 OF
SPAN 2 x 1.20 m Ø RCC PIPE PRO.
TO BE EXTD AS 1 x 2.5 x 1.80 m RCC BOX.
PRO.TO BE EXTD AS 1 x 2 m RCC
BOX @ CH: (-)0+450.000
EXG BR.NO.475A @ CH:182393.57
OF SPAN 2 x 6.0 X 5.0 m RCC BOX
(RUB) PRO.TO BE EXTD AS 2 x 6.0 m
RCC BOX @ CH: -0+400.000
EXG BR.NO.475A @ CH:182393.57
OF SPAN 2 x 6.0 X 5.0 m RCC BOX (RUB)
ACC CENTRE FOR
UP MAIN
11
13
T.L =(-)328.500m
Loc: (-)0/41
CH: (-)647.832m
T.L =459.000m
Loc: 0/9
CH:139.668m
T.L.=396.000m
Loc: 0/2
CH: 27.168m
T.L.=(-)328.500m
Loc: (-) HLG/1005
CH: (-)647.832m
T.L. = 400.
Loc: 0/10
CH: 139.6
(-)0/31A
CH: (-)436.332
(-)0/29A
BM
CH: (-) 436.332
(-)0/17A
BM
CH: (-)305.832
-0+450.000
-0+400.000
-0+350.000
-0+300.000
-0+250.000
(-)0/31
Mast Type ---
Chainage (-)458.832
(-)0/29
Mast Type ---
Chainage (-)431.832
(-)0/27
Mast Type ---
Chainage (-)409.332
(-)0/25
Mast Type ---
Chainage (-)386.832
(-)0/23
Mast Type ---
Chainage (-)368.832
(-)0/21
Mast Type ---
Chainage (-)346.332
(-)0/19
Mast Type ---
Chainage (-)319.332
(-)0/17
Mast Type ---
Chainage (-)292.332
(-)0/15
Mast Type ---
Chainage (-)260.832
CS
LA
BM
(31.5)
(27)
(22.5)
(22.5)
(18)
FTA(XO-1)
TS-300
(22.5)
ACA
(27)
TS 500
FTA
(SBL-1)
(27)
LA
CS
BM
ACA
(31.5)
FTA (XO-3)
TS 450
TC=4.00
TC=4.50
TC=4.00
TC=4.50
TC=4.50
TS 330
FTA (XO-2)
TS 500
FTA (SBL-2)
LA
BM
CS
TS 450
(22.5)
(22.4)
TO CHANDAPURA
BM
LA
BM
CS
EXG APPROCH ROAD
(-)0/32
Mast Type --
Chainage (-)458.832
(-)0/30
Mast Type --
Chainage (-)431.832
(-)0/28
Mast Type --
Chainage (-)409.332
(-)0/26
Mast Type --
Chainage (-)386.832
(-)0/24
Mast Type --
Chainage (-)368.832
(-)0/22
Mast Type --
Chainage (-)346.332
(-)0/20
Mast Type --
Chainage (-)319.332
(-)0/18
Mast Type --
Chainage (-)292.332
(-)0/16
Mast Type --
Chainage (-)260.832
T.L.=396.000m
Loc: 0/1
CH: 27.168m
T.L.=(-)328.500m
Loc: (-) HLG/1005
CH: (-)647.832m
(-)0/32A
BM
CH: (-)436.332
(-)0/30A
BM
CH: (-) 436.332
(-)0/18A
BM
CH: (-)305.832
SSP
HEELALIGE
(-)0+436.332 KM
PRO.APPROCH ROAD 10.0 m WIDE
MASANDRA

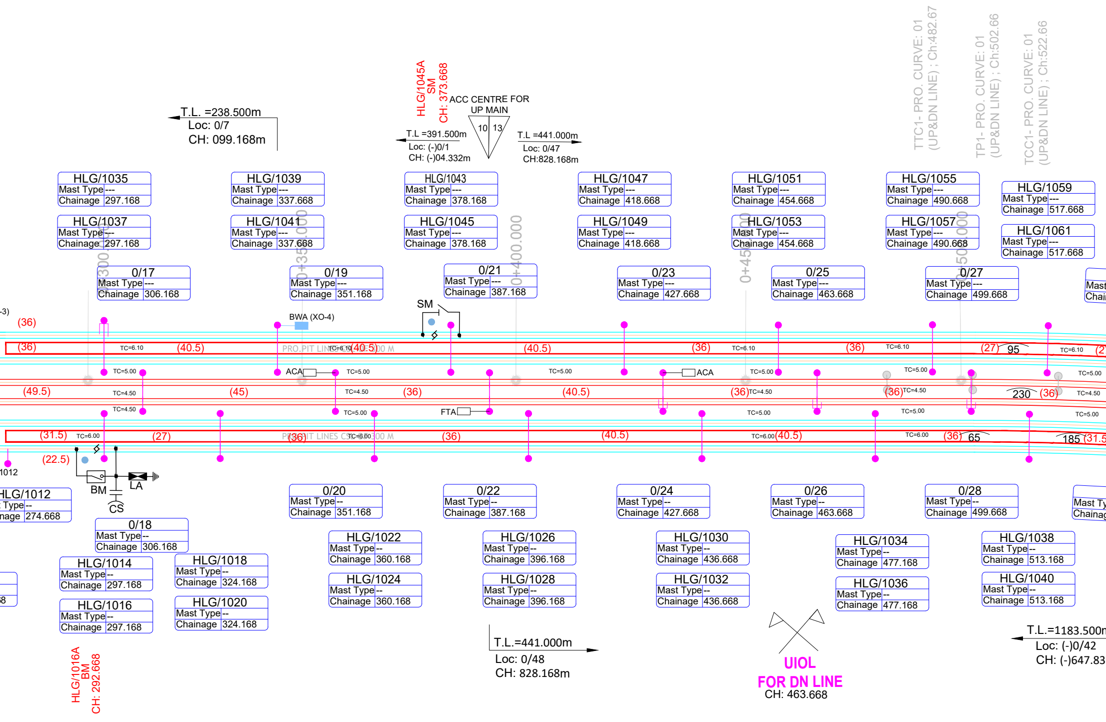


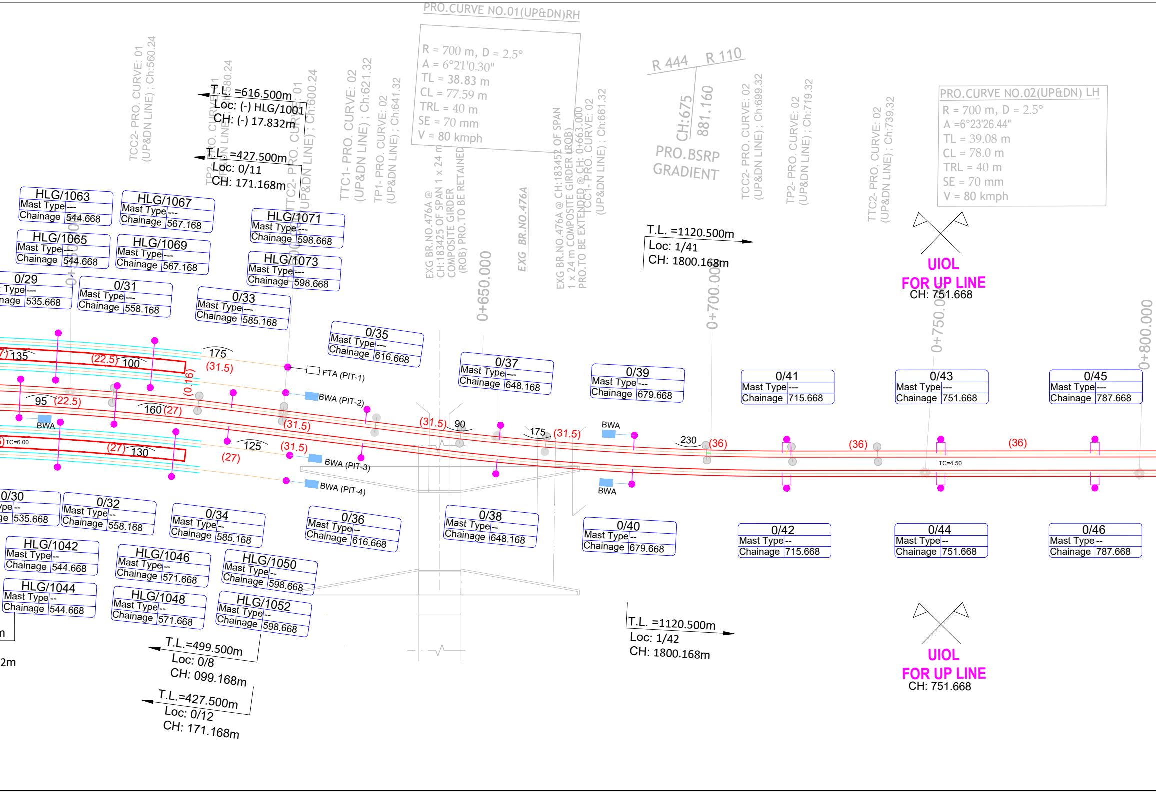
CL
OF
PRO. HEELALIGE
(SUB-URBAN) STATION
(Km. -0+132)

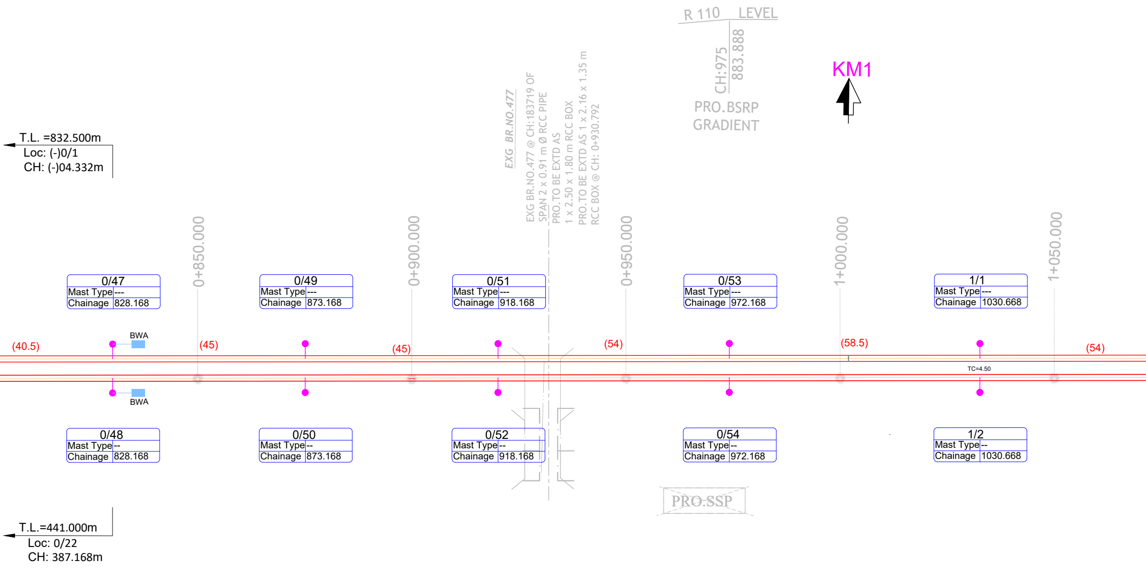
TENTATIVE LOCATION OF DA SHOWN, OHE TO BE SUPPORTED FROM TRUSSES AND DISTANCE OF TRUSSES REQUIRED FROM STATION BUILDING CONTRACTOR.

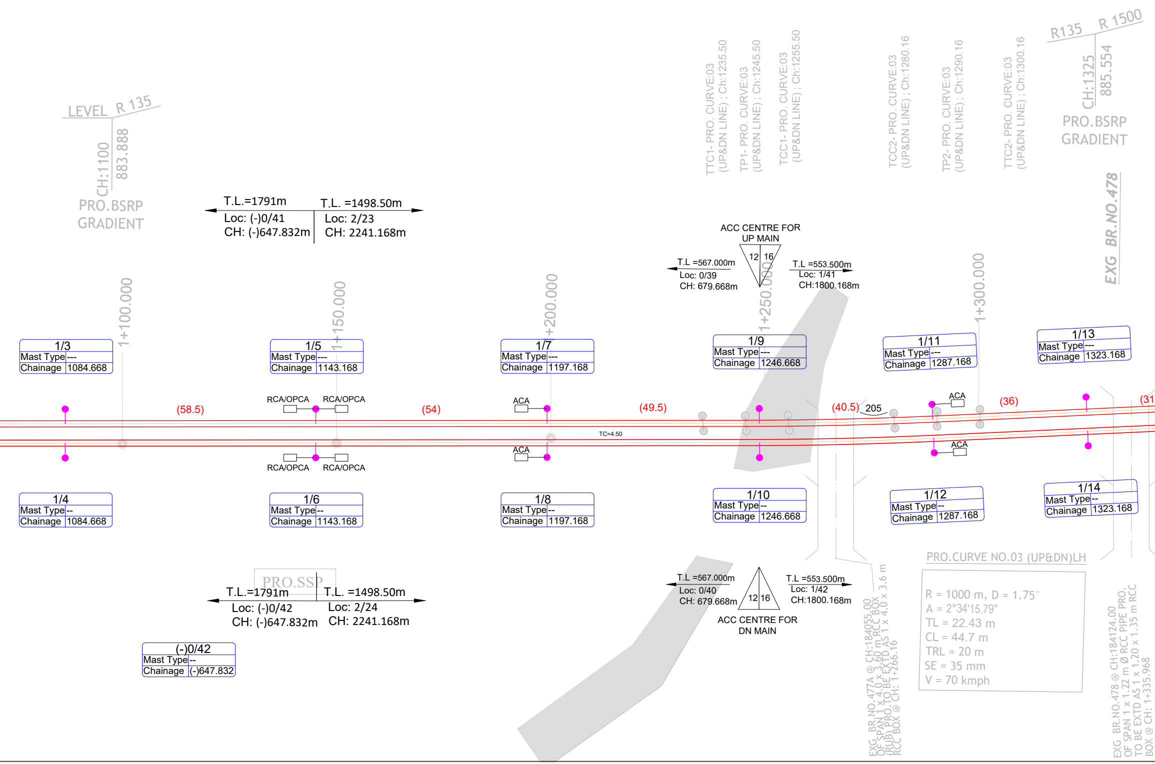
EXG.ANEKAL
KM:172/746
T.L. = 616.500m
Loc: HLG/1071
CH: 598.668m
T.L. = 279.000m
Loc: HLG/1031
CH: 261.168m
T.L.
Loc
CH:
.500m
68m
PRO. BSRP PLATFORM CH: - 0+235
-0+200.000
-0+150.000
-0+100.000
-0+050.000
0+000.000
EXG BR.NO.476 @ CH:182737.56
OF SPAN 1 x 1.83 m RCC SLAB
PRO.TO BE EXTD
AS 1 x 2.0 x 1.80 m RCC BOX
PRO.TO BE EXTD AS
1 x 2.0 x 2.5 m RCC BOX
PRO. BSRP PLATFORM @ CH:-0+03
PRO.BSRP SRJ
@CH:-11.05
(-) HLG/1001
Mast Type ---
Chainage (-) 17.832
(-) HLG/1003
Mast Type ---
Chainage (-) 17.832
(-)0/1
Mast Type ---
Chainage (-)04
(-)0/13
Mast Type ---
Chainage (-)215.832
(-)0/11
Mast Type ---
Chainage (-)179.832
(-)0/9
Mast Type ---
Chainage (-)143.832
(-)0/7
Mast Type ---
Chainage (-)107.832
(-)0/5
Mast Type ---
Chainage (-)071.832
(-)0/3
Mast Type ---
Chainage (-)035.832
BWA (PIT-1)
BWA (SBL-3)
BWA
TS 400
ACA
(31.5)
(31.5)
(45)
(36)
(36)
(36)
(36)
(36)
PROPOSED SUBURBAN PLATFORM -205m x 6.2m (9 CARS)
TC=4.50
TC=4.50
(40.5)
(36)
(36)
(36)
(36)
(36)
(36)
PROPOSED SUBURBAN PLATFORM -205m x 6.2m (9 CARS)
EXG. TROLLEY PATH
PRO. TROLLY PATH
(-)0/14
Mast Type --
Chainage (-)220.332
(-)0/12
Mast Type --
Chainage (-)184.332
(-)0/10
Mast Type --
Chainage (-)148.332
(-)0/8
Mast Type --
Chainage (-)112.332
(-)0/6
Mast Type --
Chainage (-)76.332
(-)0/4
Mast Type --
Chainage (-)40.332
(-)0/2
Mast Type --
Chainage (-)04.

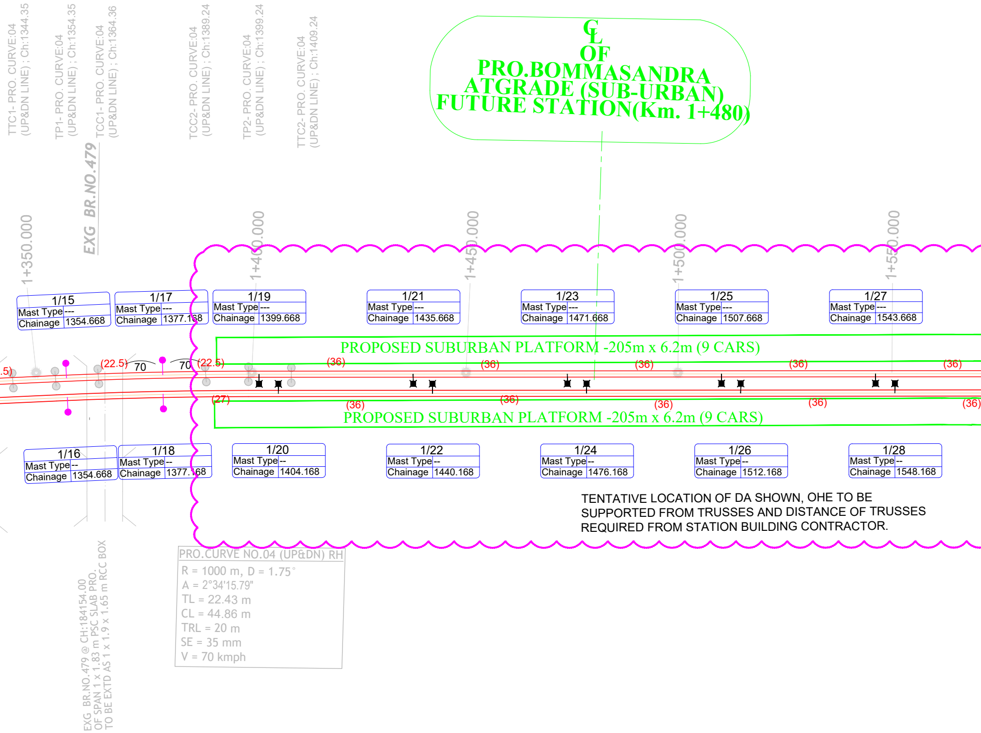

10.437 kms
EXG.KARMELARAM
KM:193.228
PRO.BSRP
GRADIENT
IOL
FOR UP LINE
CH: 063.168
PRO.HEELALIGE STN
@ KM: 182.950
(UP)
(DN)
10.100 kms
10.278 kms
5.450 kms
5.050 kms
EXG.CRLM
KM:193/228
PRO.IBS
NEW CROSSING STN
(HUSKUR)
KM:188/000
PRO.ANEKAL
KM:172/850
PRO.IBS
KM:177/500
0/1A
BM
CH: 022.668
HLG/1017A
SM
CH: 153.168
HLG/1021A
SM
CH: 193.668
HLG/1033A
BM
CH: 265.668
HLG/1004A
BM
CH: 238.668
= 832.500m
: 0/47
: 828.168m
T.L. =396.000m
Loc: (-)0/24
CH: (-)368.832m
T.L. =787.500m
Loc: (-)0/41
CH: (-)647.832m
T.L. = 238.500m
Loc: HLG/1039
CH: 337.668m
T.L. = 427.500m
Loc: HLG/1073
CH: 598.668m
T.L. =279.000m
Loc: (-) HLG/1003
CH: (-) 17.832m
HLG/1001 Mast Type --- Chainage 013.668
HLG/1003 Mast Type --- Chainage 013.668
HLG/1005 Mast Type --- Chainage 049.668
HLG/1007 Mast Type --- Chainage 049.668
HLG/1009 Mast Type --- Chainage 081.168
HLG/1011 Mast Type --- Chainage 081.168
HLG/1013 Mast Type --- Chainage 121.668
HLG/1015 Mast Type --- Chainage 121.668
HLG/1017 Mast Type --- Chainage 148.668
HLG/1019 Mast Type --- Chainage 171.168
HLG/1021 Mast Type --- Chainage 189.168
HLG/1023 Mast Type --- Chainage 189.168
HLG/1029 Mast Type --- Chainage 193.668
HLG/1025 Mast Type --- Chainage 216.168
HLG/1027 Mast Type --- Chainage 234.168
HLG/1029 Mast Type --- Chainage 234.168
HLG/1031 Mast Type --- Chainage 261.168
HLG/1033 Mast Type --- Chainage 261.168
0/1 Mast Type --- Chainage 027.168
0/5 Mast Type --- Chainage 063.168
0/7 Mast Type --- Chainage 099.168
0/9 Mast Type --- Chainage 139.668
0/11 Mast Type --- Chainage 171.168
0/13 Mast Type --- Chainage 211.668
0/15 Mast Type --- Chainage 256.668
.332
PRO.STABLING LINES CSL OF 150M
CS
LA
BM
BWA (XO-2)
BWA (XO-1)
ACA
TS 300
FTA (XO-4)
FTA (PIT-3)
BWA
BWA (XO-3)
SM
OHE US
FTA (PIT-2)/RCA
FTA (PIT-4)/RCA
TS 400
TS 405
TS 360
TS 445
TS 350
FTA (SBL
TC=5.00
TC=6.00
TC=4.50
(36)
(31.5)
(40.5)
(27)
(22.5)
(18)
(45)
160
185
265
215
130
170
1004
1006
1008
1010
12
8 1/2
FM
IOL
RAMP
40mt (1 IN 12)
PRO.FOB AT
FOB AT CH:182910.00
100.000
0/2 Mast Type -- Chainage 027.168
0/4 Mast Type -- Chainage 058.668
0/8 Mast Type -- Chainage 099.168
0/10 Mast Type -- Chainage 139.668
0/12 Mast Type -- Chainage 171.168
HLG/1002 Mast Type -- Chainage 193.668
0/14 Mast Type -- Chainage 211.668
HLG/1006 Mast Type -- Chainage 238.668
0/16 Mast Type -- Chainage 256.668
HLG/1004 Mast Type -- Chainage 234.168
HLG/1008 Mast Type -- Chainage 256.668
HLG/1010 Mast Type -- Chainage 265.66
.332
T.L.=396.000m
Loc: (-)0/23
CH: (-)368.832m
T.L.= 400.500m
Loc: (-)0/15
CH: (-)260.832m
T.L.=499.500m
Loc: HLG/1050
CH: 598.668m
T.L.=427.500m
Loc: HLG/1052
CH: 598.668m
T.L =675.000m
Loc: (-)0/42
CH: (-)647.832m
T.L =508.500m
Loc: 0/30
CH:535.668m
21
13
ACC CENTRE FOR
DN MAIN
6.30
SS
HEELALIGE
CH:0+063.168 KM


T.L. =238.500m
Loc: 0/7
CH: 099.168m
HLG/1045A
SM
CH: 373.668
ACC CENTRE FOR
UP MAIN
10
13
T.L =391.500m
Loc: (-)0/1
CH: (-)04.332m
T.L =441.000m
Loc: 0/47
CH:828.168m
TTC1- PRO. CURVE: 01
(UP&DN LINE) ; Ch:482.67
TP1- PRO. CURVE: 01
(UP&DN LINE) ; Ch:502.66
TCC1- PRO. CURVE: 01
(UP&DN LINE) ; Ch:522.66
HLG/1035 Mast Type --- Chainage 297.168
HLG/1037 Mast Type --- Chainage 297.168
HLG/1039 Mast Type --- Chainage 337.668
HLG/1041 Mast Type --- Chainage 337.668
HLG/1043 Mast Type --- Chainage 378.168
HLG/1045 Mast Type --- Chainage 378.168
HLG/1047 Mast Type --- Chainage 418.668
HLG/1049 Mast Type --- Chainage 418.668
HLG/1051 Mast Type --- Chainage 454.668
HLG/1053 Mast Type --- Chainage 454.668
HLG/1055 Mast Type --- Chainage 490.668
HLG/1057 Mast Type --- Chainage 490.668
HLG/1059 Mast Type --- Chainage 517.668
HLG/1061 Mast Type --- Chainage 517.668
0/17 Mast Type --- Chainage 306.168
0/19 Mast Type --- Chainage 351.168
0/21 Mast Type --- Chainage 387.168
0/23 Mast Type --- Chainage 427.668
0/25 Mast Type --- Chainage 463.668
0/27 Mast Type --- Chainage 499.668
Mast
Chai
0+300.000
0+350.000
0+400.000
0+450.000
0+500.000
SM
BWA (XO-4)
-3)
(36)
(36)
TC=6.10
(40.5)
PRO.PIT LINES CS 6.00 M
(40.5)
(40.5)
(36)
(36)
(27)
95
(2
TC=5.00
ACA
ACA
FTA
(49.5)
TC=4.50
(45)
(36)
(40.5)
(36)
(36)
230
(36)
(31.5)
TC=6.00
(27)
PRO.PIT LINES CS 6.00 M
(36)
(36)
(40.5)
(40.5)
(36)
65
185
(31.5
(22.5)
1012
BM
LA
CS
HLG/1012 Mast Type -- Chainage 274.668
0/18 Mast Type -- Chainage 306.168
0/20 Mast Type -- Chainage 351.168
0/22 Mast Type -- Chainage 387.168
0/24 Mast Type -- Chainage 427.668
0/26 Mast Type -- Chainage 463.668
0/28 Mast Type -- Chainage 499.668
Mast Ty
Chainag
HLG/1014 Mast Type -- Chainage 297.168
HLG/1016 Mast Type -- Chainage 297.168
HLG/1018 Mast Type -- Chainage 324.168
HLG/1020 Mast Type -- Chainage 324.168
HLG/1022 Mast Type -- Chainage 360.168
HLG/1024 Mast Type -- Chainage 360.168
HLG/1026 Mast Type -- Chainage 396.168
HLG/1028 Mast Type -- Chainage 396.168
HLG/1030 Mast Type -- Chainage 436.668
HLG/1032 Mast Type -- Chainage 436.668
HLG/1034 Mast Type -- Chainage 477.168
HLG/1036 Mast Type -- Chainage 477.168
HLG/1038 Mast Type -- Chainage 513.168
HLG/1040 Mast Type -- Chainage 513.168
HLG/1016A
BM
CH: 292.668
T.L.=441.000m
Loc: 0/48
CH: 828.168m
UIOL
FOR DN LINE
CH: 463.668
T.L.=1183.500m
Loc: (-)0/42
CH: (-)647.83


PRO.CURVE NO.01(UP&DN)RH
R = 700 m, D = 2.5°
A = 6°21'0.30"
TL = 38.83 m
CL = 77.59 m
TRL = 40 m
SE = 70 mm
V = 80 kmph
PRO.CURVE NO.02(UP&DN) LH
R = 700 m, D = 2.5°
A =6°23'26.44"
TL = 39.08 m
CL = 78.0 m
TRL = 40 m
SE = 70 mm
V = 80 kmph
R 444
R 110
CH:675
881.160
PRO.BSRP GRADIENT
TCC2- PRO. CURVE: 01 (UP&DN LINE) ; Ch:560.24
TTC2- PRO. CURVE: 01 (UP&DN LINE) ; Ch:600.24
TTC1- PRO. CURVE: 02 (UP&DN LINE) ; Ch:621.32
TP1- PRO. CURVE: 02 (UP&DN LINE) ; Ch:641.32
TCC1- PRO. CURVE: 02 (UP&DN LINE) ; Ch:661.32
TCC2- PRO. CURVE: 02 (UP&DN LINE) ; Ch:699.32
TP2- PRO. CURVE: 02 (UP&DN LINE) ; Ch:719.32
TTC2- PRO. CURVE: 02 (UP&DN LINE) ; Ch:739.32
EXG BR.NO.476A @ CH:183425 OF SPAN 1 x 24 m COMPOSITE GIRDER (ROB) PRO.TO BE RETAINED
EXG BR.NO.476A
EXG BR.NO.476A @ CH:183452 OF SPAN 1 x 24 m COMPOSITE GIRDER (ROB) PRO.TO BE EXTENDED @ CH: 0+663.000
0+650.000
0+700.000
0+750.000
0+800.000
T.L. =616.500m
Loc: (-) HLG/1001
CH: (-) 17.832m
T.L. =427.500m
Loc: 0/11
CH: 171.168m
T.L. =1120.500m
Loc: 1/41
CH: 1800.168m
T.L.=499.500m
Loc: 0/8
CH: 099.168m
T.L.=427.500m
Loc: 0/12
CH: 171.168m
T.L. =1120.500m
Loc: 1/42
CH: 1800.168m
UIOL
FOR UP LINE
CH: 751.668
UIOL
FOR UP LINE
CH: 751.668
HLG/1063 Mast Type --- Chainage 544.668
HLG/1065 Mast Type --- Chainage 544.668
HLG/1067 Mast Type --- Chainage 567.168
HLG/1069 Mast Type --- Chainage 567.168
HLG/1071 Mast Type --- Chainage 598.668
HLG/1073 Mast Type --- Chainage 598.668
0/29 Type --- nage 535.668
0/31 Mast Type --- Chainage 558.168
0/33 Mast Type --- Chainage 585.168
0/35 Mast Type --- Chainage 616.668
0/37 Mast Type --- Chainage 648.168
0/39 Mast Type --- Chainage 679.668
0/41 Mast Type --- Chainage 715.668
0/43 Mast Type --- Chainage 751.668
0/45 Mast Type --- Chainage 787.668
0/30 ype -- e 535.668
0/32 Mast Type -- Chainage 558.168
0/34 Mast Type -- Chainage 585.168
0/36 Mast Type -- Chainage 616.668
0/38 Mast Type -- Chainage 648.168
0/40 Mast Type -- Chainage 679.668
0/42 Mast Type -- Chainage 715.668
0/44 Mast Type -- Chainage 751.668
0/46 Mast Type -- Chainage 787.668
HLG/1042 Mast Type -- Chainage 544.668
HLG/1044 Mast Type -- Chainage 544.668
HLG/1046 Mast Type -- Chainage 571.668
HLG/1048 Mast Type -- Chainage 571.668
HLG/1050 Mast Type -- Chainage 598.668
HLG/1052 Mast Type -- Chainage 598.668
135
(22.5)
100
175
(31.5)
(0.16)
95
(22.5)
160
(27)
(31.5)
TC=6.00
(27)
130
125
(27)
(31.5)
FTA (PIT-1)
BWA (PIT-2)
BWA (PIT-3)
BWA (PIT-4)
BWA
(31.5)
90
175
(31.5)
BWA
BWA
230
(36)
(36)
(36)
TC=4.50
2m

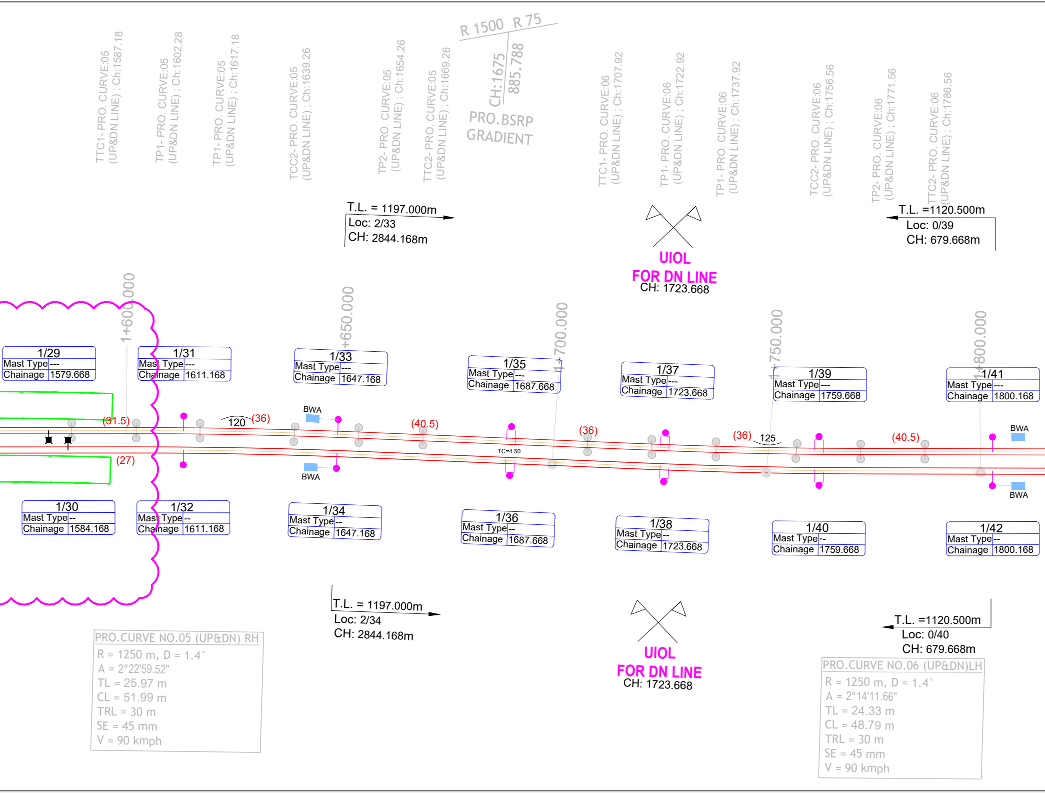

R 110 LEVEL
CH:975
883.888
PRO.BSRP
GRADIENT
KM1
EXG BR.NO.477
EXG BR.NO.477 @ CH:183719 OF
SPAN 2 x 0.91 m Ø RCC PIPE
PRO. TO BE EXTD AS
1 x 2.50 x 1.80 m RCC BOX
PRO. TO BE EXTD AS 1 x 2.16 x 1.35 m
RCC BOX @ CH: 0+930.792
T.L. =832.500m
Loc: (-)0/1
CH: (-)04.332m
0+850.000
0+900.000
0+950.000
1+000.000
1+050.000
0/47
Mast Type ---
Chainage 828.168
0/49
Mast Type ---
Chainage 873.168
0/51
Mast Type ---
Chainage 918.168
0/53
Mast Type ---
Chainage 972.168
1/1
Mast Type ---
Chainage 1030.668
BWA
(40.5)
(45)
(45)
(54)
(58.5)
(54)
TC=4.50
BWA
0/48
Mast Type --
Chainage 828.168
0/50
Mast Type --
Chainage 873.168
0/52
Mast Type --
Chainage 918.168
0/54
Mast Type --
Chainage 972.168
1/2
Mast Type --
Chainage 1030.668
PRO.SSP
T.L.=441.000m
Loc: 0/22
CH: 387.168m

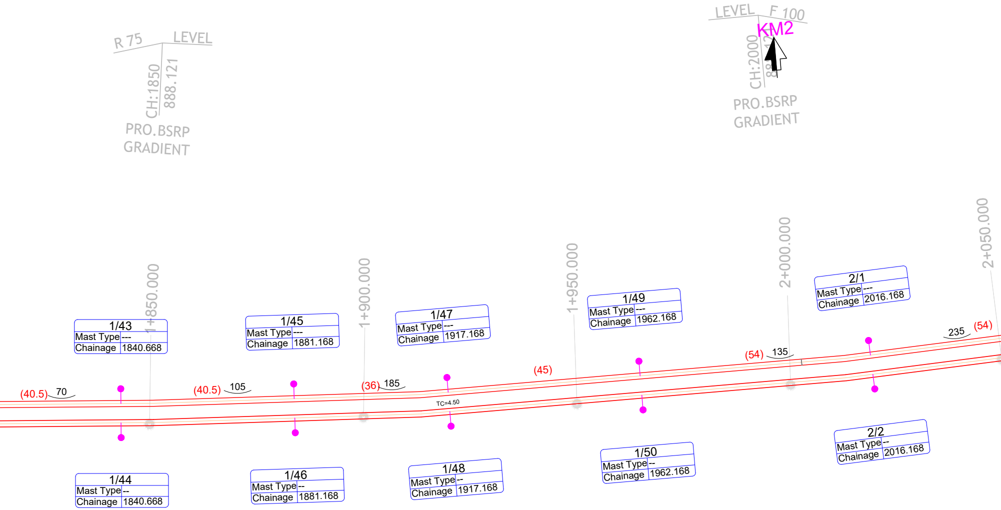

LEVEL R 135
CH:1100
883.888
PRO.BSRP GRADIENT
T.L.=1791m
Loc: (-)0/41
CH: (-)647.832m
T.L. =1498.50m
Loc: 2/23
CH: 2241.168m
TTC1- PRO. CURVE:03 (UP&DN LINE) ; Ch:1235.50
TP1- PRO. CURVE:03 (UP&DN LINE) ; Ch:1245.50
TCC1- PRO. CURVE:03 (UP&DN LINE) ; Ch:1255.50
TCC2- PRO. CURVE:03 (UP&DN LINE) ; Ch:1280.16
TP2- PRO. CURVE:03 (UP&DN LINE) ; Ch:1290.16
TTC2- PRO. CURVE:03 (UP&DN LINE) ; Ch:1300.16
R135 R 1500
CH:1325
885.554
PRO.BSRP GRADIENT
EXG BR.NO.478
ACC CENTRE FOR UP MAIN
12
16
T.L =567.000m
Loc: 0/39
CH: 679.668m
T.L =553.500m
Loc: 1/41
CH:1800.168m
1+100.000
1+150.000
1+200.000
1+250.000
1+300.000
1/3
Mast Type ---
Chainage 1084.668
1/5
Mast Type ---
Chainage 1143.168
1/7
Mast Type ---
Chainage 1197.168
1/9
Mast Type ---
Chainage 1246.668
1/11
Mast Type ---
Chainage 1287.168
1/13
Mast Type ---
Chainage 1323.168
RCA/OPCA
RCA/OPCA
ACA
ACA
ACA
ACA
(58.5)
(54)
(49.5)
(40.5)
205
(36)
(31
TC=4.50
RCA/OPCA
RCA/OPCA
1/4
Mast Type --
Chainage 1084.668
1/6
Mast Type --
Chainage 1143.168
1/8
Mast Type --
Chainage 1197.168
1/10
Mast Type --
Chainage 1246.668
1/12
Mast Type --
Chainage 1287.168
1/14
Mast Type --
Chainage 1323.168
PRO.SSP
T.L.=1791m
Loc: (-)0/42
CH: (-)647.832m
T.L. =1498.50m
Loc: 2/24
CH: 2241.168m
(-)0/42
Mast Type --
Chainage (-)647.832
T.L =567.000m
Loc: 0/40
CH: 679.668m
12
16
T.L =553.500m
Loc: 1/42
CH:1800.168m
ACC CENTRE FOR DN MAIN
EXG. BR.NO. 477A @ CH:184055.00 OF SPAN 1 x 4.0 x 3.60 m RCC BOX (RUB) PRO. TO BE EXTD AS 1 x 4.0 x 3.6 m RCC BOX @ CH: 1+266.16
PRO.CURVE NO.03 (UP&DN)LH
R = 1000 m, D = 1.75°
A = 2°34'15.79"
TL = 22.43 m
CL = 44.7 m
TRL = 20 m
SE = 35 mm
V = 70 kmph
EXG BR.NO.478 @ CH:184124.00 OF SPAN 1 x 1.22 m Ø RCC PIPE PRO. TO BE EXTD AS 1 x 1.20 x 1.35 m RCC BOX @ CH: 1+335.968

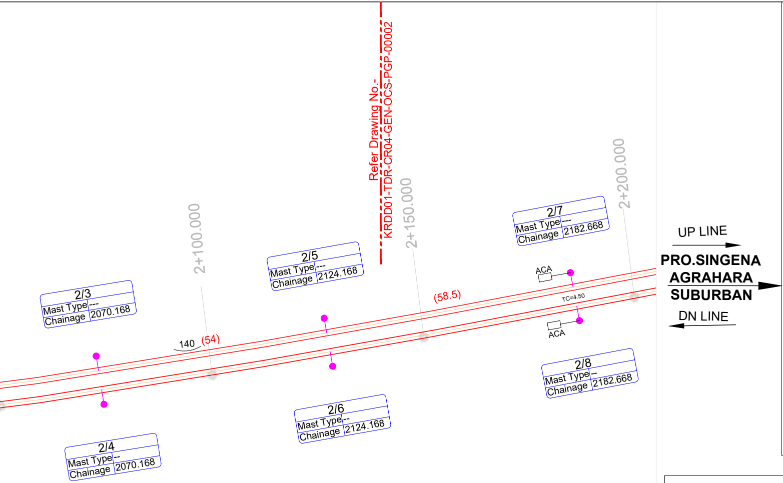

C
L
OF
PRO.BOMMASANDRA
ATGRADE (SUB-URBAN)
FUTURE STATION(Km. 1+480)
TTC1- PRO. CURVE:04 (UP&DN LINE) ; Ch:1344.35
TP1- PRO. CURVE:04 (UP&DN LINE) ; Ch:1354.35
TCC1- PRO. CURVE:04 (UP&DN LINE) ; Ch:1364.36
TCC2- PRO. CURVE:04 (UP&DN LINE) ; Ch:1389.24
TP2- PRO. CURVE:04 (UP&DN LINE) ; Ch:1399.24
TTC2- PRO. CURVE:04 (UP&DN LINE) ; Ch:1409.24
EXG BR.NO.479
1+350.000
1+400.000
1+450.000
1+500.000
1+550.000
1/15 Mast Type --- Chainage 1354.668
1/17 Mast Type --- Chainage 1377.168
1/19 Mast Type --- Chainage 1399.668
1/21 Mast Type --- Chainage 1435.668
1/23 Mast Type --- Chainage 1471.668
1/25 Mast Type --- Chainage 1507.668
1/27 Mast Type --- Chainage 1543.668
PROPOSED SUBURBAN PLATFORM -205m x 6.2m (9 CARS)
.5)
(22.5)
70
70
(22.5)
(36)
(36)
(36)
(36)
(36)
(27)
(36)
(36)
(36)
(36)
(36)
PROPOSED SUBURBAN PLATFORM -205m x 6.2m (9 CARS)
1/16 Mast Type -- Chainage 1354.668
1/18 Mast Type -- Chainage 1377.168
1/20 Mast Type -- Chainage 1404.168
1/22 Mast Type -- Chainage 1440.168
1/24 Mast Type -- Chainage 1476.168
1/26 Mast Type -- Chainage 1512.168
1/28 Mast Type -- Chainage 1548.168
EXG BR.NO.479 @ CH:184154.00 OF SPAN 1 x 1.83 m PSC SLAB PRO. TO BE EXTD AS 1 x 1.9 x 1.65 m RCC BOX

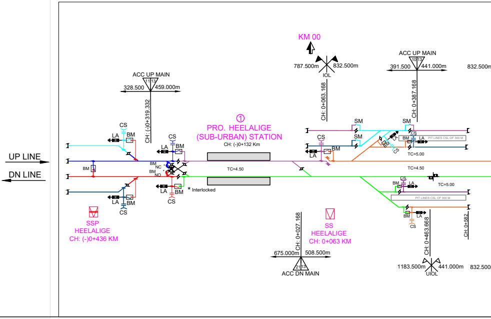
TENTATIVE LOCATION OF DA SHOWN, OHE TO BE SUPPORTED FROM TRUSSES AND DISTANCE OF TRUSSES REQUIRED FROM STATION BUILDING CONTRACTOR.

PRO.CURVE NO.04 (UP&DN) RH
R = 1000 m, D = 1.75°
A = 2°34'15.79"
TL = 22.43 m
CL = 44.86 m
TRL = 20 m
SE = 35 mm
V = 70 kmph


TTC1- PRO. CURVE:05 (UP&DN LINE) ; Ch:1587.18
TP1- PRO. CURVE:05 (UP&DN LINE) ; Ch:1602.28
TP1- PRO. CURVE:05 (UP&DN LINE) ; Ch:1617.18
TTC2- PRO. CURVE:05 (UP&DN LINE) ; Ch:1639.26
TP2- PRO. CURVE:05 (UP&DN LINE) ; Ch:1654.26
TTC2- PRO. CURVE:05 (UP&DN LINE) ; Ch:1669.26
R 1500 R 75
CH:1675
885.788
PRO.BSRP GRADIENT
TTC1- PRO. CURVE:06 (UP&DN LINE) ; Ch:1707.92
TP1- PRO. CURVE:06 (UP&DN LINE) ; Ch:1722.92
TP1- PRO. CURVE:06 (UP&DN LINE) ; Ch:1737.92
TTC2- PRO. CURVE:06 (UP&DN LINE) ; Ch:1756.56
TP2- PRO. CURVE:06 (UP&DN LINE) ; Ch:1771.56
TTC2- PRO. CURVE:06 (UP&DN LINE) ; Ch:1786.56
T.L. = 1197.000m
Loc: 2/33
CH: 2844.168m
UIOL
FOR DN LINE
CH: 1723.668
T.L. =1120.500m
Loc: 0/39
CH: 679.668m
1+600.000
1+650.000
1+700.000
1+750.000
1+800.000
1/29 Mast Type --- Chainage 1579.668
1/31 Mast Type --- Chainage 1611.168
1/33 Mast Type --- Chainage 1647.168
1/35 Mast Type --- Chainage 1687.668
1/37 Mast Type --- Chainage 1723.668
1/39 Mast Type --- Chainage 1759.668
1/41 Mast Type --- Chainage 1800.168
(31.5)
120
(36)
BWA
(40.5)
TC=4.50
(36)
(36)
125
(40.5)
BWA
(27)
BWA
BWA
1/30 Mast Type -- Chainage 1584.168
1/32 Mast Type -- Chainage 1611.168
1/34 Mast Type -- Chainage 1647.168
1/36 Mast Type -- Chainage 1687.668
1/38 Mast Type -- Chainage 1723.668
1/40 Mast Type -- Chainage 1759.668
1/42 Mast Type -- Chainage 1800.168
T.L. = 1197.000m
Loc: 2/34
CH: 2844.168m
UIOL
FOR DN LINE
CH: 1723.668
T.L. =1120.500m
Loc: 0/40
CH: 679.668m
PRO.CURVE NO.05 (UP&DN) RH
R = 1250 m, D = 1.4°
A = 2°22'59.52"
TL = 25.97 m
CL = 51.99 m
TRL = 30 m
SE = 45 mm
V = 90 kmph
PRO.CURVE NO.06 (UP&DN)LH
R = 1250 m, D = 1.4°
A = 2°14'11.66"
TL = 24.33 m
CL = 48.79 m
TRL = 30 m
SE = 45 mm
V = 90 kmph


R 75
LEVEL
CH:1850
888.121
PRO.BSRP
GRADIENT
LEVEL
F 100
KM2
CH:2000
PRO.BSRP
GRADIENT
1+850.000
1+900.000
1+950.000
2+000.000
2+050.000
1/43
Mast Type ---
Chainage 1840.668
1/44
Mast Type --
Chainage 1840.668
1/45
Mast Type ---
Chainage 1881.168
1/46
Mast Type --
Chainage 1881.168
1/47
Mast Type ---
Chainage 1917.168
1/48
Mast Type --
Chainage 1917.168
1/49
Mast Type ---
Chainage 1962.168
1/50
Mast Type --
Chainage 1962.168
2/1
Mast Type ---
Chainage 2016.168
2/2
Mast Type --
Chainage 2016.168
(40.5)
70
(40.5)
105
(36)
185
(45)
(54)
135
235
(54)
TC=4.50


Refer Drawing No.:-
KRDD01-TDR-CR04-GEN-OCS-PGP-00002
2+100.000
2+150.000
2+200.000
2/3
Mast Type ---
Chainage 2070.168
2/4
Mast Type --
Chainage 2070.168
2/5
Mast Type ---
Chainage 2124.168
2/6
Mast Type --
Chainage 2124.168
2/7
Mast Type ---
Chainage 2182.668
2/8
Mast Type --
Chainage 2182.668
140
(54)
(58.5)
ACA
ACA
TC=4.50
UP LINE
PRO.SINGENA
AGRAHARA
SUBURBAN
DN LINE


UP LINE
DN LINE
ACC UP MAIN
11 13
328.500
459.000m
CH: (-)0+319.332
CS
LA
BM
BM
CS
LA
BM
BM NC
BM NO
LA
BM
CS
LA
BM
CS
SSP
HEELALIGE
CH: (-)0+436 KM
①
PRO. HEELALIGE
(SUB-URBAN) STATION
CH: (-)0+132 Km
TC=4.50
* Interlocked
KM 00
787.500m
832.500m
IOL
CH: 0+063.168
ACC UP MAIN
10 13
391.500
441.000m
832.500m
CH: 0+387.168
SM
SM
SM
CS
BM
LA
CS
BM
LA
BM
CS
LA
PIT LINES CSL OF 300 M
TC=5.00
TC=4.50
CS
BM
LA
TC=5.00
PIT LINES CSL OF 300 M
BM
LA
CS
SS
HEELALIGE
CH: 0+063 KM
CH: 0+027.168
675.000m
508.500m
21 13
ACC DN MAIN
CH: 0+463.668
CH: 0+582
1183.500m
441.000m
832.500
UIOL

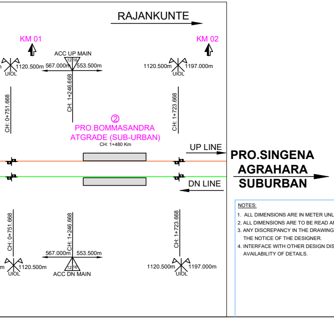
## LEGEND

| 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 |

| Sr. No. | DESCRIPTION | SYMBOL |
|---|---|---|
| 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 Lower level (Corridor 2) | |
| 55 | Track at UP/DN line (Corridor 2) | |
| 56 | Track at UP & DN (Corridor 1) | |

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.


RAJANKUNTE
KM 01
KM 02
ACC UP MAIN
1120.500m
567.000m
12
16
553.500m
1120.500m
1197.000m
UIOL
UIOL
CH: 0+751.668
CH: 1+246.668
CH: 1+723.668
②
PRO.BOMMASANDRA
ATGRADE (SUB-URBAN)
CH: 1+480 Km
UP LINE
DN LINE
PRO.SINGENA
AGRAHARA
SUBURBAN
CH: 0+751.668
CH: 1+246.668
CH: 1+723.668
567.000m
553.500m
1120.500m
1197.000m
ACC DN MAIN
UIOL
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 | 22-08-2024 | 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

| 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 | D. Kalyan | R. Kapoor |
| S. Bhati | N. Parmar | S. Kumar |

FOR TENDER PURPOSE ONLY

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-4 (Heelalige -Rajankunte)

Drawing Title:
OHE Pegging Plan for Main Line
CH: (-)0+647.832Km to CH: 2+124.168Km

Project Stage: Tender Drawing

Paper Size: 297X5000
Discipline: Power Supply & Traction System
Date: 22/08/2024
Scale: NTS

Drawing no.: KRDD01-TDR-CR04-GEN-OCS-PGP-00001
Revision: R0