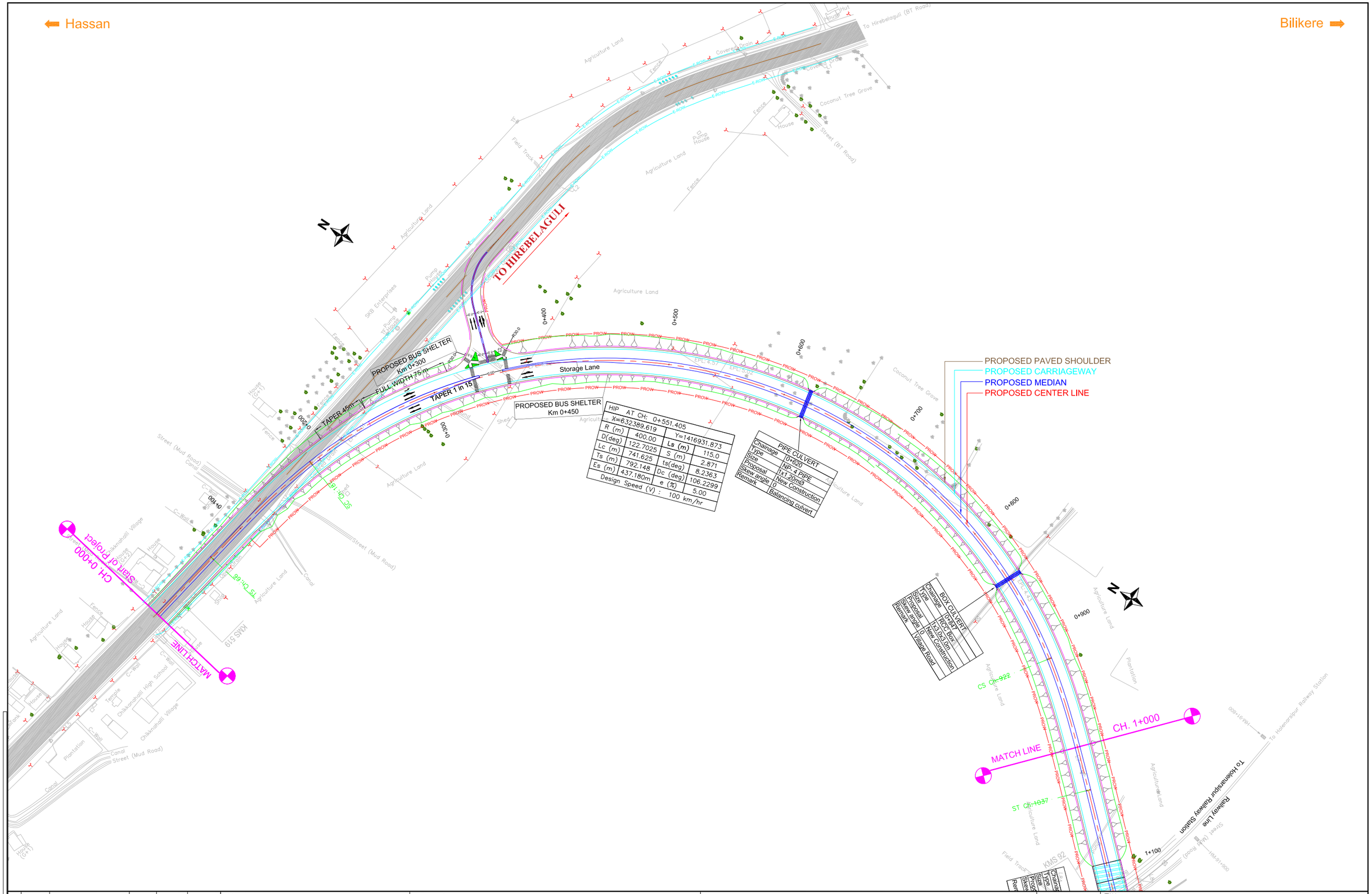
# PLAN & PROFILE

Hassan

Bilikere




| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

Consultant: INDIAN TECHNOCRAT LIMITED
In Association with
Vistaara Infra Consultants
New Delhi - 110 070,Ph. : 011-49531100,
Email: info@itl.net.in

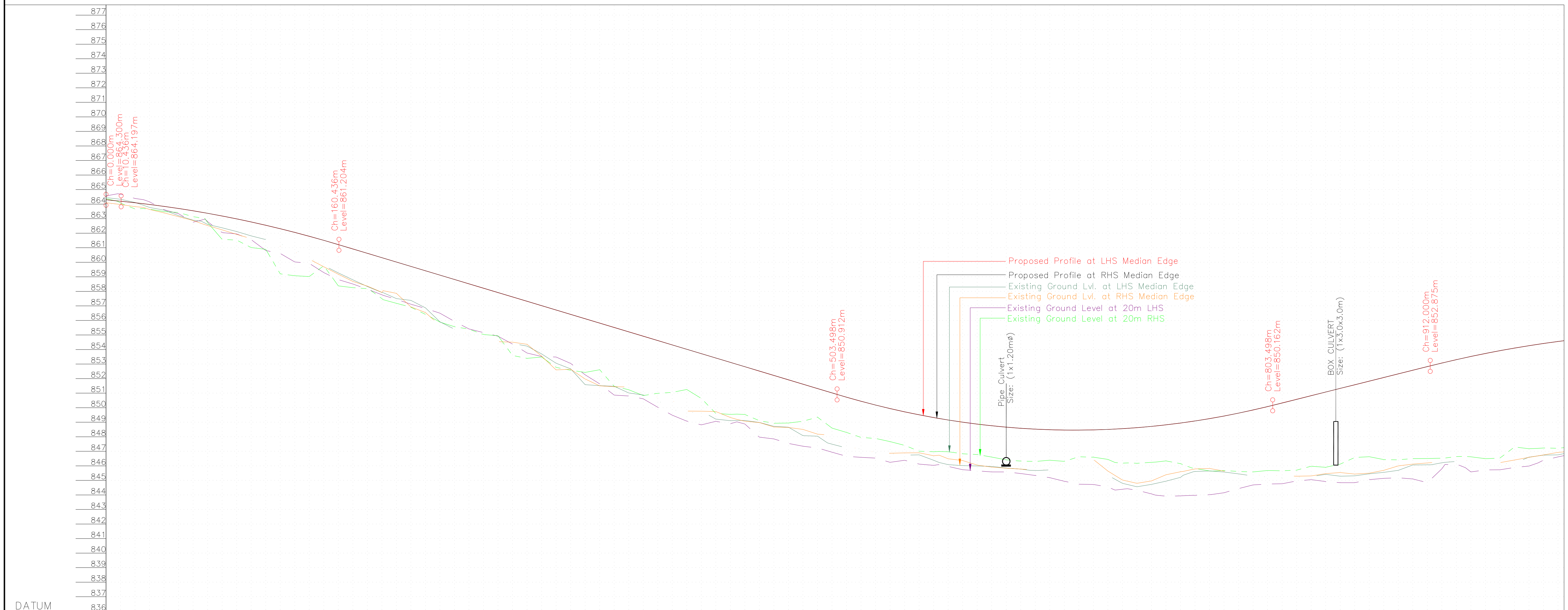
Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: PLAN & PROFILE
Km 0+000 to Km 1+000

DRG. NO. 23-102/ITL/NH373/HNP/HW/P&P-01

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN KS | CHECKED AB | APPROVED SK |

⬅ Hassan — Bilikere ➡




| DESIGN CHAINAGE | FRL AT MEDIAN EDGE (PAVED EDGE) LHS (m) | FRL AT MEDIAN EDGE (PAVED EDGE) RHS (m) | EXISTING GROUND AT LHS MEDIAN EDGE (m) | EXISTING GROUND AT RHS MEDIAN EDGE (m) | EXISTING GROUND LEVEL AT 20m (LHS) | EXISTING GROUND LEVEL AT 20m (RHS) |
|---|---|---|---|---|---|---|
| 0+000 | 864.300 | 864.300 | 864.445 | 864.100 | 864.567 | 864.381 |
| 0+010 | 864.201 | 864.201 | 864.337 | 863.975 | 864.683 | 864.072 |
| 0+020 | 864.096 | 864.096 | 864.115 | 863.826 | 864.391 | 863.671 |
| 0+030 | 863.978 | 863.978 | 863.771 | 863.632 | 864.159 | 863.656 |
| 0+040 | 863.846 | 863.846 | 863.592 | 863.398 | 863.620 | 863.487 |
| 0+050 | 863.700 | 863.700 | 863.203 | 863.140 | 863.339 | 863.429 |
| 0+060 | 863.542 | 863.542 | 862.897 | 862.876 | 862.758 | 863.138 |
| 0+070 | 863.370 | 863.370 | 862.604 | 862.526 | 862.794 | 862.733 |
| 0+080 | 863.184 | 863.184 | 862.375 | 862.232 | 862.040 | 861.580 |
| 0+090 | 862.985 | 862.985 | 862.115 | 861.920 | 861.953 | 861.527 |
| 0+100 | 862.773 | 862.773 | 861.814 | 861.627 | 861.554 | 861.014 |
| 0+110 | 862.547 | 862.547 | 861.563 | 861.342 | 860.812 | 860.892 |
| 0+120 | 862.308 | 862.308 | 861.266 | 861.077 | 860.605 | 859.207 |
| 0+130 | 862.056 | 862.056 | 860.872 | 860.714 | 860.022 | 859.075 |
| 0+140 | 861.790 | 861.790 | 860.302 | 860.212 | 859.929 | 859.021 |
| 0+150 | 861.510 | 861.510 | 859.778 | 859.690 | 859.289 | 859.764 |
| 0+160 | 861.218 | 861.218 | 859.272 | 859.181 | 858.806 | 858.380 |
| 0+170 | 860.918 | 860.918 | 858.795 | 858.683 | 858.505 | 858.256 |
| 0+180 | 860.618 | 860.618 | 858.333 | 858.358 | 858.153 | 858.185 |
| 0+190 | 860.318 | 860.318 | 857.922 | 857.930 | 857.764 | 857.501 |
| 0+200 | 860.017 | 860.017 | 857.502 | 857.863 | 857.454 | 857.177 |
| 0+210 | 859.717 | 859.717 | 857.379 | 856.932 | 857.116 | 856.911 |
| 0+220 | 859.417 | 859.417 | 856.864 | 856.544 | 856.828 | 856.420 |
| 0+230 | 859.117 | 859.117 | 855.904 | 855.651 | 856.501 | 855.891 |
| 0+240 | 858.817 | 858.817 | 855.400 | 855.450 | 855.932 | 855.572 |
| 0+250 | 858.517 | 858.517 | 854.983 | 855.041 | 855.417 | 855.399 |
| 0+260 | 858.217 | 858.217 | 854.795 | 854.724 | 855.165 | 855.031 |
| 0+270 | 857.917 | 857.917 | 854.425 | 854.542 | 854.917 | 854.948 |
| 0+280 | 857.617 | 857.617 | 854.409 | 854.505 | 854.378 | 853.591 |
| 0+290 | 857.317 | 857.317 | 854.239 | 854.358 | 853.762 | 853.392 |
| 0+300 | 857.017 | 857.017 | 853.699 | 853.546 | 853.523 | 853.484 |
| 0+310 | 856.717 | 856.717 | 853.056 | 852.598 | 853.484 | 852.773 |
| 0+320 | 856.417 | 856.417 | 852.671 | 852.647 | 853.045 | 852.574 |
| 0+330 | 856.117 | 856.117 | 851.585 | 851.972 | 852.261 | 852.429 |
| 0+340 | 855.817 | 855.817 | 851.517 | 851.504 | 851.635 | 852.611 |
| 0+350 | 855.517 | 855.517 | 851.473 | 851.443 | 850.864 | 851.470 |
| 0+360 | 855.217 | 855.217 | 851.013 | 851.425 | 850.805 | 851.237 |
| 0+370 | 854.917 | 854.917 | 850.874 | 850.915 | 850.611 | 850.837 |
| 0+380 | 854.617 | 854.617 | 850.493 | 850.728 | 850.026 | 850.988 |
| 0+390 | 854.317 | 854.317 | 849.891 | 850.498 | 849.485 | 851.053 |
| 0+400 | 854.017 | 854.017 | 849.604 | 849.765 | 849.076 | 851.252 |
| 0+410 | 853.717 | 853.717 | 849.770 | 849.757 | 848.819 | 850.638 |
| 0+420 | 853.417 | 853.417 | 849.214 | 849.737 | 849.061 | 849.604 |
| 0+430 | 853.117 | 853.117 | 849.105 | 849.323 | 848.898 | 849.538 |
| 0+440 | 852.817 | 852.817 | 849.121 | 849.071 | 848.877 | 849.533 |
| 0+450 | 852.517 | 852.517 | 848.983 | 848.975 | 847.972 | 849.103 |
| 0+460 | 852.217 | 852.217 | 848.720 | 848.671 | 847.853 | 848.929 |
| 0+470 | 851.917 | 851.917 | 848.657 | 848.640 | 847.539 | 848.946 |
| 0+480 | 851.617 | 851.617 | 848.077 | 848.504 | 847.349 | 849.068 |
| 0+490 | 851.317 | 851.317 | 848.043 | 848.181 | 847.230 | 849.348 |
| 0+500 | 851.017 | 851.017 | 847.491 | 847.959 | 846.940 | 848.598 |
| 0+510 | 850.721 | 850.721 | 847.238 | 847.262 | 846.651 | 848.297 |
| 0+520 | 850.442 | 850.442 | 847.162 | 847.191 | 846.584 | 847.955 |
| 0+530 | 850.181 | 850.181 | 846.906 | 846.900 | 846.532 | 847.881 |
| 0+540 | 849.939 | 849.939 | 846.852 | 846.865 | 846.244 | 847.670 |
| 0+550 | 849.715 | 849.715 | 846.731 | 846.894 | 846.385 | 847.410 |
| 0+560 | 849.510 | 849.510 | 846.756 | 846.898 | 846.123 | 847.005 |
| 0+570 | 849.322 | 849.322 | 846.380 | 846.695 | 846.032 | 846.971 |
| 0+580 | 849.154 | 849.154 | 846.084 | 846.484 | 845.964 | 846.971 |
| 0+590 | 849.003 | 849.003 | 846.018 | 846.363 | 845.736 | 846.831 |
| 0+600 | 848.871 | 848.871 | 845.992 | 846.054 | 845.656 | 846.777 |
| 0+610 | 848.757 | 848.757 | 845.958 | 845.911 | 845.581 | 846.604 |
| 0+620 | 848.661 | 848.661 | 845.853 | 845.838 | 845.579 | 846.411 |
| 0+630 | 848.584 | 848.584 | 845.779 | 845.775 | 845.473 | 846.327 |
| 0+640 | 848.525 | 848.525 | 845.684 | 845.698 | 845.334 | 846.304 |
| 0+650 | 848.484 | 848.484 | 845.721 | 845.823 | 845.188 | 846.387 |
| 0+660 | 848.462 | 848.462 | 845.635 | 846.198 | 844.937 | 846.309 |
| 0+670 | 848.458 | 848.458 | 845.831 | 846.465 | 844.739 | 846.628 |
| 0+680 | 848.473 | 848.473 | 846.119 | 846.437 | 844.721 | 846.596 |
| 0+690 | 848.505 | 848.505 | 845.347 | 845.644 | 844.542 | 846.442 |
| 0+700 | 848.557 | 848.557 | 844.799 | 845.023 | 844.390 | 846.186 |
| 0+710 | 848.626 | 848.626 | 844.559 | 844.802 | 844.326 | 846.176 |
| 0+720 | 848.714 | 848.714 | 844.724 | 844.964 | 844.069 | 846.244 |
| 0+730 | 848.820 | 848.820 | 844.948 | 845.383 | 843.914 | 846.342 |
| 0+740 | 848.944 | 848.944 | 845.208 | 845.595 | 843.934 | 846.148 |
| 0+750 | 849.087 | 849.087 | 845.613 | 845.787 | 843.971 | 845.820 |
| 0+760 | 849.248 | 849.248 | 845.646 | 845.822 | 844.015 | 845.647 |
| 0+770 | 849.428 | 849.428 | 845.579 | 845.639 | 844.152 | 845.682 |
| 0+780 | 849.625 | 849.625 | 845.449 | 845.437 | 844.434 | 845.615 |
| 0+790 | 849.841 | 849.841 | 845.299 | 845.353 | 844.690 | 845.579 |
| 0+800 | 850.076 | 850.076 | 845.236 | 845.365 | 844.747 | 845.681 |
| 0+810 | 850.325 | 850.325 | 845.181 | 845.334 | 844.768 | 845.656 |
| 0+820 | 850.575 | 850.575 | 845.221 | 845.287 | 844.962 | 845.703 |
| 0+830 | 850.825 | 850.825 | 845.255 | 845.308 | 845.051 | 845.975 |
| 0+840 | 851.075 | 851.075 | 845.417 | 845.468 | 844.922 | 845.899 |
| 0+850 | 851.325 | 851.325 | 845.290 | 845.542 | 844.844 | 846.120 |
| 0+860 | 851.575 | 851.575 | 845.315 | 845.434 | 844.840 | 846.577 |
| 0+870 | 851.825 | 851.825 | 845.451 | 845.496 | 845.052 | 846.630 |
| 0+880 | 852.075 | 852.075 | 845.550 | 845.693 | 845.143 | 846.431 |
| 0+890 | 852.325 | 852.325 | 845.693 | 845.996 | 845.182 | 846.413 |
| 0+900 | 852.575 | 852.575 | 846.056 | 846.118 | 845.096 | 846.500 |
| 0+910 | 852.825 | 852.825 | 846.073 | 846.202 | 844.844 | 846.503 |
| 0+920. | 853.071 | 853.071 | 846.211 | 846.276 | 845.799 | 846.530 |
| 0+930 | 853.303 | 853.303 | 846.305 | 846.306 | 846.114 | 846.640 |
| 0+940 | 853.522 | 853.522 | 846.298 | 846.367 | 845.584 | 846.619 |
| 0+950 | 853.728 | 853.728 | 846.219 | 846.550 | 845.715 | 846.493 |
| 0+960 | 853.920 | 853.920 | 846.138 | 846.222 | 845.730 | 846.535 |
| 0+970 | 854.099 | 854.099 | 846.185 | 846.403 | 845.884 | 847.295 |
| 0+980 | 854.264 | 854.264 | 846.598 | 846.584 | 845.987 | 847.179 |
| 0+990 | 854.416 | 854.416 | 846.735 | 846.748 | 846.390 | 847.227 |
| 1+000. | 854.555 | 854.555 | 846.753 | 846.930 | 846.613 | 847.208 |

HORIZONTAL SCEMATIC: L=65.593m; L=115.000m; R=400.000m, L=741.625m; L=115.000m

VERTICAL SCEMATIC (LHS): L=10.436m, G=-0.990; L=150.000m, R=-7462.230m; L=343.062m, G=-3.000; R=5454.297m, L=300.000m; G=2.500, L=108.502m; L=186. R=-743

VERTICAL SCEMATIC (RHS): L=10.436m, G=-0.990; L=150.000m, R=-7462.230m; L=343.062m, G=-3.000; R=5454.297m, L=300.000m; G=2.500, L=108.502m; L=186. R=-743

SUPERELEVATION (%): e=2.500; e=5.000; e=5.000

TCS DETAILS: TCS-2; TCS-1; TCS-4

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

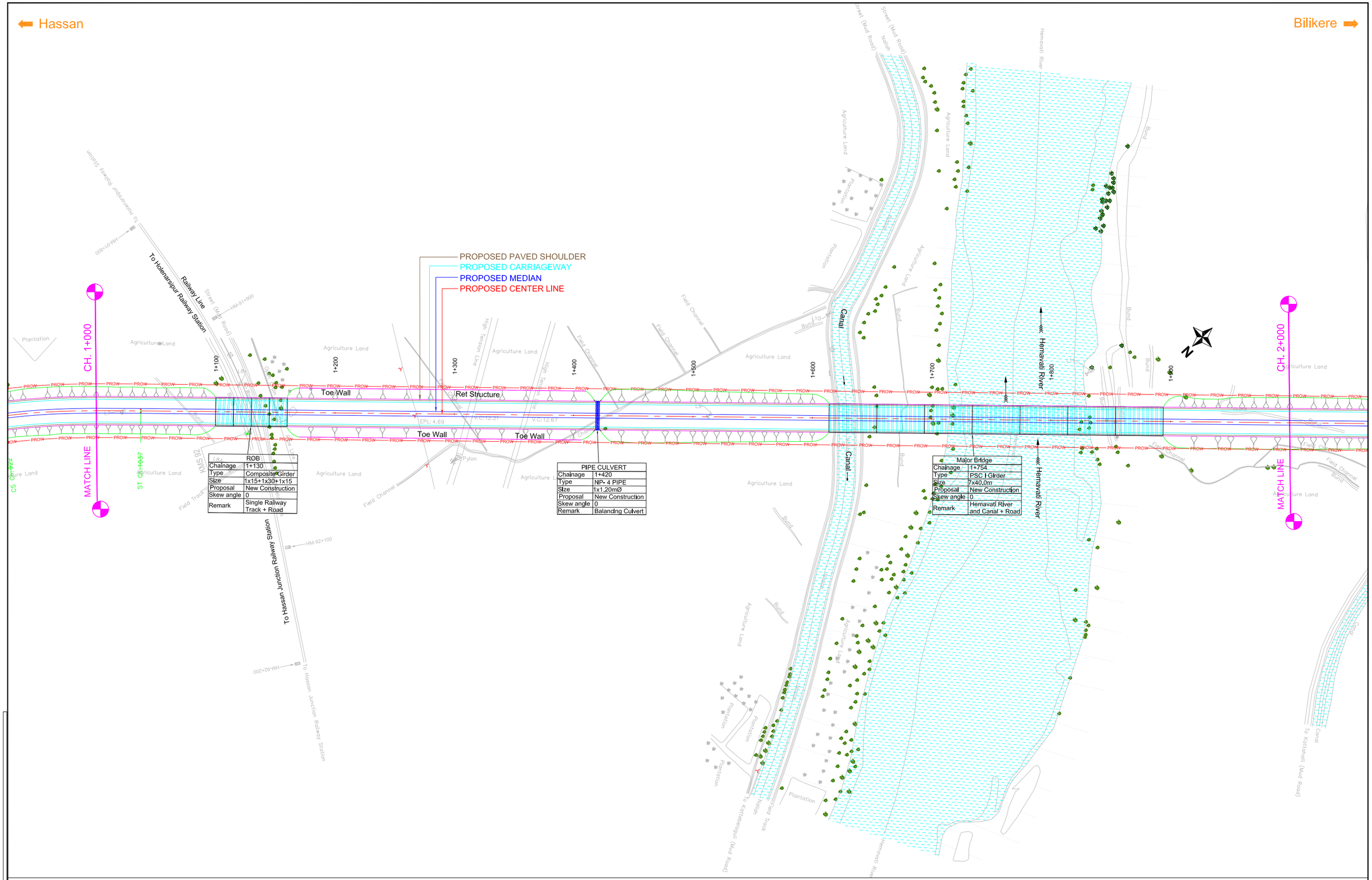
Consultant: INDIAN TECHNOCRAT LIMITED
In Association with
Vistaara Infra Consultants
New Delhi - 110 070,Ph. : 011-49531100,
Email: info@itl.net.in

Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: PLAN & PROFILE
Km 0+000 to Km 1+000

DRG. NO. 23-102/ITL/NH373/HNP/HW/P&P-01A

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN XS | CHECKED AB | APPROVED SK |




| ROB | |
|---|---|
| Chainage | 1+130 |
| Type | Composite Girder |
| Size | 1x15+1x30+1x15 |
| Proposal | New Construction |
| Skew angle | 0 |
| Remark | Single Railway Track + Road |

| PIPE CULVERT | |
|---|---|
| Chainage | 1+420 |
| Type | NP- 4 PIPE |
| Size | 1x1.20mØ |
| Proposal | New Construction |
| Skew angle | 0 |
| Remark | Balancing Culvert |

| Major Bridge | |
|---|---|
| Chainage | 1+754 |
| Type | PSC I Girder |
| Size | 7x40.0m |
| Proposal | New Construction |
| Skew angle | 0 |
| Remark | Hemavati River and Canal + Road |

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

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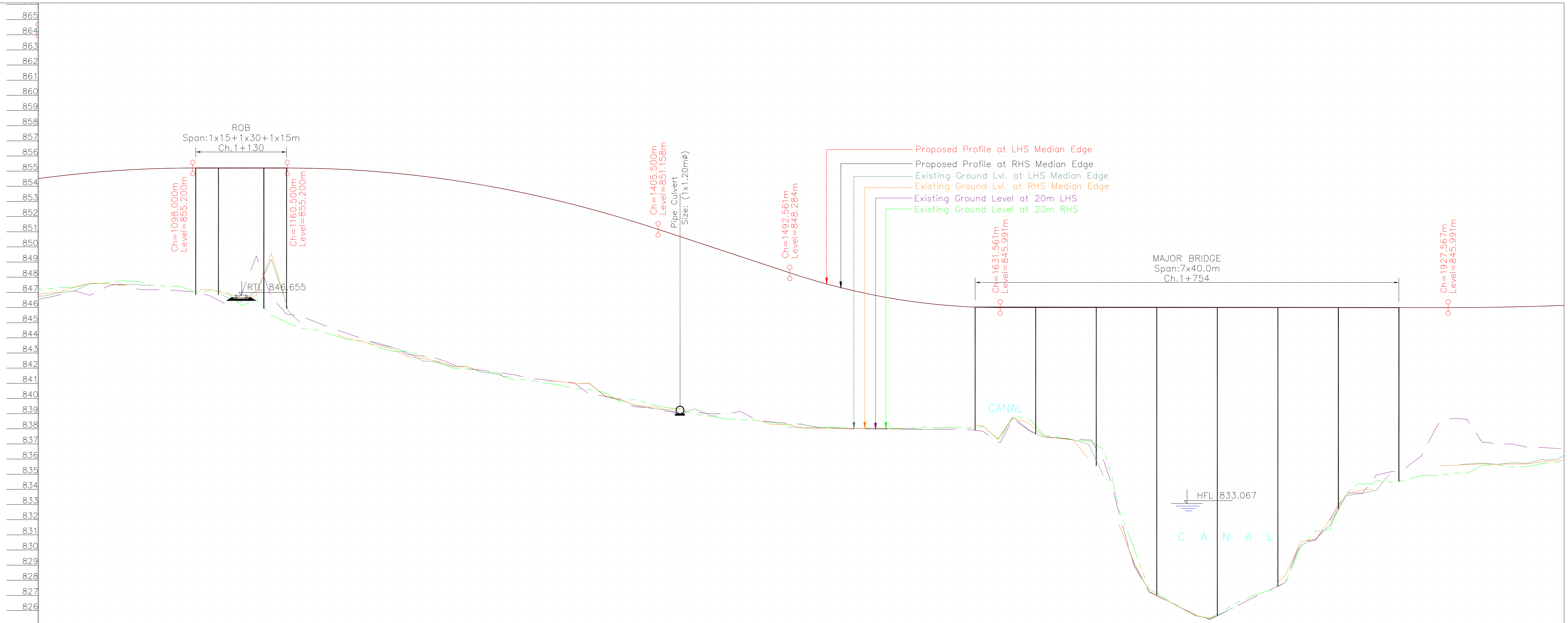
Title: PLAN & PROFILE
Km 1+000 to Km 2+000

DRG. NO. 23-102/ITL/NH373/HNP/HW/P&P-02

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN KS | CHECKED AB | APPROVED SK |

⬅ Hassan                                                                                     Bilikere ➡




| DESIGN CHAINAGE | FRL AT MEDIAN EDGE (PAVED EDGE) LHS (m) | FRL AT MEDIAN EDGE (PAVED EDGE) RHS (m) | EXISTING GROUND AT LHS MEDIAN EDGE (m) | EXISTING GROUND AT RHS MEDIAN EDGE (m) | EXISTING GROUND LEVEL AT 20m (LHS) | EXISTING GROUND LEVEL AT 20m (RHS) |
|---|---|---|---|---|---|---|
| 1+000. | 854.555 | 854.555 | 846.753 | 846.930 | 846.613 | 847.208 |
| 1+010. | 854.680 | 854.680 | 846.974 | 847.001 | 846.826 | 847.316 |
| 1+020. | 854.791 | 854.791 | 847.091 | 847.367 | 847.099 | 847.312 |
| 1+030. | 854.889 | 854.889 | 847.556 | 847.595 | 846.805 | 847.574 |
| 1+040. | 854.974 | 854.974 | 847.565 | 847.575 | 847.306 | 847.632 |
| 1+050. | 855.045 | 855.045 | 847.491 | 847.459 | 847.553 | 847.751 |
| 1+060. | 855.103 | 855.103 | 847.512 | 847.517 | 847.308 | 847.736 |
| 1+070. | 855.147 | 855.147 | 847.443 | 847.474 | 847.163 | 847.480 |
| 1+080. | 855.178 | 855.178 | 847.282 | 847.330 | 847.179 | 847.409 |
| 1+090. | 855.196 | 855.196 | 847.117 | 847.112 | 847.096 | 847.388 |
| 1+100. | 855.200 | 855.200 | 847.044 | 847.146 | 847.011 | 847.016 |
| 1+110. | 855.200 | 855.200 | 847.226 | 847.180 | 846.735 | 847.106 |
| 1+120. | 855.200 | 855.200 | 846.680 | 846.896 | 846.210 | 847.082 |
| 1+130. | 855.200 | 855.200 | 846.387 | 846.667 | 846.814 | 846.131 |
| 1+140. | 855.200 | 855.200 | 847.080 | 846.774 | 849.404 | 846.507 |
| 1+150. | 855.200 | 855.200 | 849.172 | 849.572 | 846.663 | 845.496 |
| 1+160. | 855.200 | 855.200 | 846.223 | 846.219 | 845.572 | 845.018 |
| 1+170. | 855.194 | 855.194 | 844.944 | 845.019 | 845.406 | 844.613 |
| 1+180. | 855.174 | 855.174 | 844.839 | 844.837 | 845.010 | 844.505 |
| 1+190. | 855.141 | 855.141 | 844.417 | 844.353 | 844.624 | 844.191 |
| 1+200. | 855.095 | 855.095 | 844.056 | 843.962 | 844.285 | 843.876 |
| 1+210. | 855.035 | 855.035 | 843.827 | 843.741 | 843.943 | 843.826 |
| 1+220. | 854.962 | 854.962 | 843.671 | 843.490 | 843.579 | 843.363 |
| 1+230. | 854.875 | 854.875 | 843.369 | 843.266 | 843.362 | 843.115 |
| 1+240. | 854.774 | 854.774 | 843.022 | 842.740 | 842.893 | 843.081 |
| 1+250. | 854.661 | 854.661 | 842.472 | 842.653 | 842.784 | 842.843 |
| 1+260. | 854.533 | 854.533 | 842.397 | 842.433 | 842.628 | 842.346 |
| 1+270. | 854.392 | 854.392 | 842.125 | 842.073 | 842.230 | 841.986 |
| 1+280. | 854.238 | 854.238 | 842.083 | 842.088 | 841.944 | 841.941 |
| 1+290. | 854.071 | 854.071 | 841.712 | 841.662 | 841.859 | 841.749 |
| 1+300. | 853.889 | 853.889 | 841.598 | 841.552 | 841.661 | 841.679 |
| 1+310. | 853.695 | 853.695 | 841.474 | 841.483 | 841.569 | 841.242 |
| 1+320. | 853.487 | 853.487 | 841.329 | 841.276 | 841.344 | 841.236 |
| 1+330. | 853.265 | 853.265 | 841.153 | 841.156 | 841.236 | 841.037 |
| 1+340. | 853.030 | 853.030 | 841.159 | 841.132 | 841.101 | 840.886 |
| 1+350. | 852.782 | 852.782 | 840.989 | 840.990 | 841.030 | 840.665 |
| 1+360. | 852.520 | 852.520 | 841.007 | 840.990 | 840.283 | 840.585 |
| 1+370. | 852.244 | 852.244 | 840.181 | 840.217 | 840.146 | 840.400 |
| 1+380. | 851.955 | 851.955 | 839.970 | 839.955 | 839.894 | 839.798 |
| 1+390. | 851.653 | 851.653 | 839.541 | 839.554 | 839.441 | 839.932 |
| 1+400. | 851.337 | 851.337 | 839.360 | 839.486 | 839.386 | 839.634 |
| 1+410. | 851.009 | 851.009 | 839.246 | 839.256 | 839.173 | 839.411 |
| 1+420. | 850.679 | 850.679 | 839.028 | 839.337 | 839.017 | 839.286 |
| 1+430. | 850.349 | 850.349 | 839.306 | 839.045 | 839.086 | 838.942 |
| 1+440. | 850.019 | 850.019 | 838.880 | 838.806 | 838.990 | 838.815 |
| 1+450. | 849.689 | 849.689 | 838.737 | 838.690 | 838.969 | 838.646 |
| 1+460. | 849.359 | 849.359 | 838.698 | 838.647 | 839.146 | 838.597 |
| 1+470. | 849.029 | 849.029 | 838.622 | 838.608 | 838.579 | 838.546 |
| 1+480. | 848.699 | 848.699 | 838.494 | 838.270 | 838.442 | 838.412 |
| 1+490. | 848.369 | 848.369 | 838.114 | 838.325 | 838.371 | 838.260 |
| 1+500. | 848.046 | 848.046 | 838.087 | 838.037 | 838.300 | 838.315 |
| 1+510. | 847.745 | 847.745 | 838.064 | 837.999 | 838.106 | 838.087 |
| 1+520. | 847.468 | 847.468 | 838.061 | 838.055 | 838.032 | 838.107 |
| 1+530. | 847.215 | 847.215 | 838.008 | 838.003 | 837.996 | 838.061 |
| 1+540. | 846.986 | 846.986 | 838.028 | 838.035 | 837.979 | 837.992 |
| 1+550. | 846.781 | 846.781 | 838.011 | 838.071 | 837.981 | 838.003 |
| 1+560. | 846.599 | 846.599 | 837.991 | 837.968 | 837.974 | 838.041 |
| 1+570. | 846.441 | 846.441 | 838.023 | 837.994 | 837.960 | 837.994 |
| 1+580. | 846.307 | 846.307 | 837.944 | 837.958 | 837.968 | 838.102 |
| 1+590. | 846.196 | 846.196 | 837.952 | 837.948 | 837.961 | 838.048 |
| 1+600. | 846.109 | 846.109 | 837.970 | 838.007 | 837.974 | 838.085 |
| 1+610. | 846.046 | 846.046 | 837.971 | 838.006 | 837.951 | 838.039 |
| 1+620. | 846.007 | 846.007 | 838.428 | 838.190 | 837.839 | 838.154 |
| 1+630. | 845.991 | 845.991 | 837.301 | 837.307 | 837.134 | 837.338 |
| 1+640. | 845.991 | 845.991 | 838.769 | 838.678 | 838.648 | 838.846 |
| 1+650. | 845.991 | 845.991 | 837.953 | 838.395 | 837.939 | 838.621 |
| 1+660. | 845.991 | 845.991 | 837.447 | 837.526 | 837.438 | 837.586 |
| 1+670. | 845.991 | 845.991 | 837.390 | 837.369 | 837.382 | 837.438 |
| 1+680. | 845.991 | 845.991 | 837.265 | 837.242 | 837.324 | 837.280 |
| 1+690. | 845.991 | 845.991 | 836.967 | 835.945 | 837.260 | 837.184 |
| 1+700. | 845.991 | 845.991 | 834.840 | 833.533 | 835.864 | 836.608 |
| 1+710. | 845.991 | 845.991 | 831.830 | 831.699 | 832.432 | 832.666 |
| 1+720. | 845.991 | 845.991 | 829.071 | 829.170 | 828.956 | 830.101 |
| 1+730. | 845.991 | 845.991 | 827.262 | 827.242 | 827.220 | 827.409 |
| 1+740. | 845.991 | 845.991 | 826.745 | 826.751 | 826.726 | 826.854 |
| 1+750. | 845.991 | 845.991 | 826.231 | 826.235 | 826.237 | 826.254 |
| 1+760. | 845.991 | 845.991 | 825.713 | 825.710 | 825.747 | 825.655 |
| 1+770. | 845.991 | 845.991 | 825.445 | 825.468 | 825.402 | 825.506 |
| 1+780. | 845.991 | 845.991 | 825.904 | 825.931 | 825.897 | 826.054 |
| 1+790. | 845.991 | 845.991 | 826.417 | 826.418 | 826.411 | 826.613 |
| 1+800. | 845.991 | 845.991 | 826.915 | 826.907 | 826.910 | 827.024 |
| 1+810. | 845.991 | 845.991 | 827.348 | 827.354 | 827.368 | 827.352 |
| 1+820. | 845.991 | 845.991 | 828.042 | 828.331 | 827.849 | 827.819 |
| 1+830. | 845.991 | 845.991 | 830.313 | 830.529 | 830.572 | 830.154 |
| 1+840. | 845.991 | 845.991 | 830.707 | 830.728 | 830.625 | 831.229 |
| 1+850. | 845.991 | 845.991 | 831.692 | 832.060 | 832.097 | 831.368 |
| 1+860. | 845.991 | 845.991 | 833.563 | 833.634 | 833.761 | 833.712 |
| 1+870. | 845.991 | 845.991 | 833.723 | 833.952 | 833.746 | 834.359 |
| 1+880. | 845.991 | 845.991 | 833.926 | 834.005 | 834.937 | 834.565 |
| 1+890. | 845.991 | 845.991 | 835.147 | 834.311 | 835.168 | 834.483 |
| 1+900. | 845.991 | 845.991 | 835.363 | 835.182 | 835.455 | 834.639 |
| 1+910. | 845.991 | 845.991 | 835.378 | 835.548 | 836.216 | 834.919 |
| 1+920. | 845.991 | 845.991 | 835.574 | 835.574 | 838.161 | 834.897 |
| 1+930. | 845.991 | 845.991 | 835.634 | 835.562 | 838.666 | 835.049 |
| 1+940. | 845.995 | 845.995 | 835.662 | 835.641 | 838.616 | 835.062 |
| 1+950. | 846.004 | 846.004 | 835.719 | 835.675 | 837.089 | 835.582 |
| 1+960. | 846.018 | 846.018 | 835.647 | 835.644 | 837.001 | 835.605 |
| 1+970. | 846.036 | 846.036 | 835.752 | 835.672 | 836.985 | 835.476 |
| 1+980. | 846.060 | 846.060 | 835.717 | 835.670 | 836.774 | 835.505 |
| 1+990. | 846.089 | 846.089 | 835.987 | 835.821 | 836.754 | 835.697 |
| 2+000. | 846.123 | 846.123 | 835.984 | 835.870 | 836.697 | 835.779 |

HORIZONTAL SCEMATIC: L=1804.182m

VERTICAL SCEMATIC (LHS): 86.000m, 7439.619m | L=62.500m, G=0.000 | L=245.000m, R=–7424.253m | L=87.061m, G=–3.300 | R=4212.127m, L=139.000m | L=296.006m, G=0.000 | R

VERTICAL SCEMATIC (RHS): 86.000m, 7439.619m | L=62.500m, G=0.000 | L=245.000m, R=–7424.253m | L=87.061m, G=–3.300 | R=4212.127m, L=139.000m | L=296.006m, G=0.000 | R

SUPERELEVATION (%): e=2.500 | e=2.500 | e=2.500

TCS DETAILS: TCS–4 (1+000 to 1+100) | ROB (1+100 to 1+160) | TCS–4 (1+160 to 1+614) | MJB (1+614 to 1+894) | TCS–4 (1+894 to 2+000)

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

Consultant: INDIAN TECHNOCRAT LIMITED
In Association with
Vistaara Infra Consultants
New Delhi - 110 070,Ph. : 011-49531100,
Email: info@itl.net.in

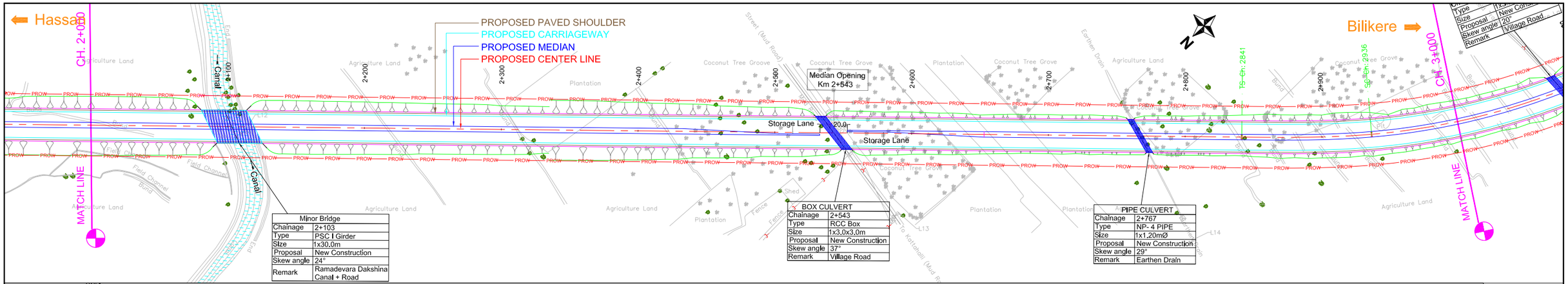
Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

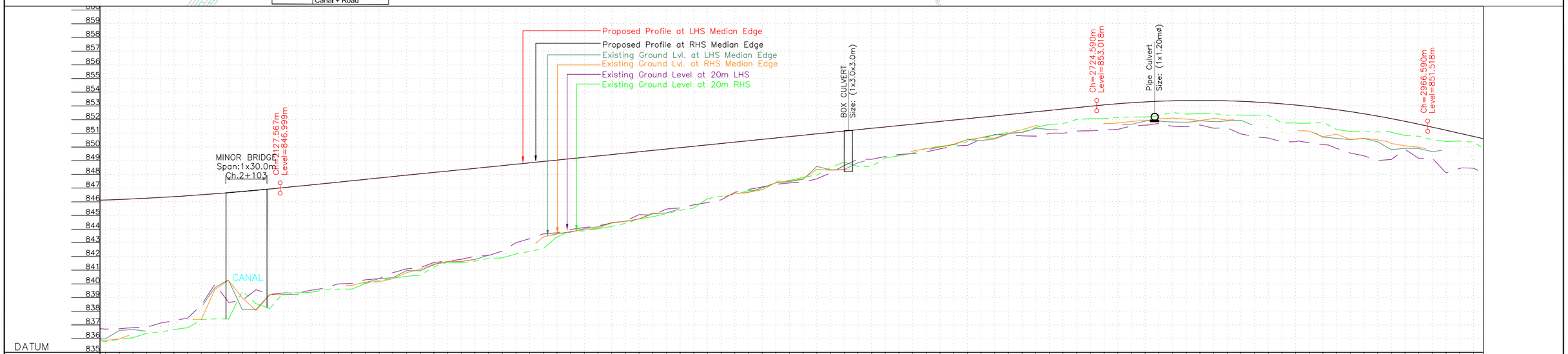
Title: PLAN & PROFILE
Km 1+000 to Km 2+000

DRG. NO. 23–102/ITL/NH373/HNP/HW/P&P–02A

DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0

DESIGN RC | DRAWN XS | CHECKED AB | APPROVED SK




| Ch | FRL AT MEDIAN EDGE (PAVED EDGE) LHS (m) | FRL AT MEDIAN EDGE (PAVED EDGE) RHS (m) | EXISTING GROUND AT LHS MEDIAN EDGE (m) | EXISTING GROUND AT RHS MEDIAN EDGE (m) | EXISTING GROUND LEVEL AT 20m (LHS) | EXISTING GROUND LEVEL AT 20m (RHS) |
|---|---|---|---|---|---|---|
| 2+000 | 846.123 | 846.123 | 835.984 | 835.870 | 836.697 | 835.779 |
| 2+010 | 846.162 | 846.162 | 836.593 | 835.970 | 836.714 | 835.947 |
| 2+020 | 846.206 | 846.206 | 836.663 | 836.349 | 836.802 | 836.067 |
| 2+030 | 846.255 | 846.255 | 836.529 | 836.594 | 836.825 | 836.383 |
| 2+040 | 846.310 | 846.310 | 836.843 | 836.889 | 837.128 | 836.487 |
| 2+050 | 846.369 | 846.369 | 837.104 | 837.299 | 837.503 | 837.299 |
| 2+060 | 846.433 | 846.433 | 837.394 | 837.387 | 837.503 | 836.790 |
| 2+070 | 846.502 | 846.502 | 837.735 | 837.401 | 838.443 | 837.371 |
| 2+080 | 846.577 | 846.577 | 839.735 | 839.594 | 839.984 | 837.445 |
| 2+090 | 846.656 | 846.656 | 840.230 | 840.236 | 838.632 | 837.430 |
| 2+100 | 846.740 | 846.740 | 838.099 | 838.973 | 838.801 | 839.469 |
| 2+110 | 846.830 | 846.830 | 838.122 | 838.044 | 839.563 | 838.550 |
| 2+120 | 846.924 | 846.924 | 839.220 | 839.196 | 839.228 | 838.195 |
| 2+130 | 847.024 | 847.024 | 839.211 | 839.230 | 839.333 | 839.345 |
| 2+140 | 847.124 | 847.124 | 839.225 | 839.252 | 839.319 | 839.342 |
| 2+150 | 847.225 | 847.225 | 839.477 | 839.471 | 839.530 | 839.372 |
| 2+160 | 847.326 | 847.326 | 839.509 | 839.503 | 839.674 | 839.554 |
| 2+170 | 847.427 | 847.427 | 839.782 | 839.840 | 839.990 | 839.612 |
| 2+180 | 847.528 | 847.528 | 839.915 | 839.881 | 839.613 | 839.613 |
| 2+190 | 847.629 | 847.629 | 840.091 | 840.126 | 840.299 | 840.027 |
| 2+200 | 847.729 | 847.729 | 840.379 | 840.148 | 840.378 | 840.237 |
| 2+210 | 847.830 | 847.830 | 840.442 | 840.370 | 840.808 | 840.401 |
| 2+220 | 847.931 | 847.931 | 840.966 | 840.820 | 841.095 | 840.550 |
| 2+230 | 848.032 | 848.032 | 840.953 | 841.056 | 841.179 | 840.621 |
| 2+240 | 848.133 | 848.133 | 841.397 | 841.459 | 841.558 | 841.240 |
| 2+250 | 848.233 | 848.233 | 841.625 | 841.635 | 841.665 | 841.574 |
| 2+260 | 848.334 | 848.334 | 841.632 | 841.633 | 841.793 | 841.538 |
| 2+270 | 848.435 | 848.435 | 841.781 | 841.798 | 842.009 | 841.655 |
| 2+280 | 848.536 | 848.536 | 842.087 | 841.832 | 842.074 | 841.850 |
| 2+290 | 848.637 | 848.637 | 842.158 | 842.134 | 842.392 | 841.891 |
| 2+300 | 848.738 | 848.738 | 842.445 | 842.467 | 843.000 | 842.181 |
| 2+310 | 848.838 | 848.838 | 842.841 | 842.561 | 843.294 | 842.365 |
| 2+320 | 848.939 | 848.939 | 843.381 | 843.431 | 843.644 | 842.576 |
| 2+330 | 849.040 | 849.040 | 843.650 | 843.669 | 843.728 | 843.435 |
| 2+340 | 849.141 | 849.141 | 843.774 | 843.817 | 843.975 | 843.826 |
| 2+350 | 849.242 | 849.242 | 844.034 | 843.955 | 844.111 | 843.860 |
| 2+360 | 849.342 | 849.342 | 844.163 | 844.065 | 844.232 | 844.021 |
| 2+370 | 849.443 | 849.443 | 844.468 | 844.443 | 844.446 | 844.188 |
| 2+380 | 849.544 | 849.544 | 844.554 | 844.575 | 844.604 | 844.415 |
| 2+390 | 849.645 | 849.645 | 844.739 | 844.753 | 845.048 | 844.729 |
| 2+400 | 849.746 | 849.746 | 845.120 | 845.171 | 845.026 | 844.904 |
| 2+410 | 849.847 | 849.847 | 845.180 | 845.153 | 845.461 | 845.121 |
| 2+420 | 849.947 | 849.947 | 845.477 | 845.427 | 845.543 | 845.367 |
| 2+430 | 850.048 | 850.048 | 845.819 | 845.813 | 845.765 | 845.539 |
| 2+440 | 850.149 | 850.149 | 846.135 | 845.987 | 845.939 | 846.219 |
| 2+450 | 850.250 | 850.250 | 846.241 | 846.316 | 846.129 | 846.404 |
| 2+460 | 850.351 | 850.351 | 846.482 | 846.586 | 846.680 | 846.516 |
| 2+470 | 850.451 | 850.451 | 846.699 | 846.681 | 846.899 | 846.811 |
| 2+480 | 850.552 | 850.552 | 847.013 | 846.869 | 847.071 | 846.879 |
| 2+490 | 850.653 | 850.653 | 847.375 | 847.399 | 847.269 | 847.475 |
| 2+500 | 850.754 | 850.754 | 847.464 | 847.519 | 847.374 | 847.553 |
| 2+510 | 850.855 | 850.855 | 847.638 | 847.666 | 847.420 | 847.779 |
| 2+520 | 850.955 | 850.955 | 848.577 | 848.362 | 847.673 | 847.942 |
| 2+530 | 851.056 | 851.056 | 848.323 | 848.289 | 848.092 | 848.495 |
| 2+540 | 851.157 | 851.157 | 848.355 | 848.332 | 848.640 | 848.894 |
| 2+550 | 851.258 | 851.258 | 848.840 | 848.264 | 848.564 | 848.574 |
| 2+560 | 851.359 | 851.359 | 849.116 | 849.091 | 849.095 | 849.205 |
| 2+570 | 851.460 | 851.460 | 849.279 | 849.288 | 849.301 | 849.343 |
| 2+580 | 851.560 | 851.560 | 849.378 | 849.428 | 849.451 | 849.549 |
| 2+590 | 851.661 | 851.661 | 849.554 | 849.692 | 849.632 | 849.884 |
| 2+600 | 851.762 | 851.762 | 849.787 | 849.887 | 849.854 | 850.045 |
| 2+610 | 851.863 | 851.863 | 849.984 | 849.991 | 850.068 | 850.158 |
| 2+620 | 851.964 | 851.964 | 850.183 | 850.201 | 850.185 | 850.385 |
| 2+630 | 852.064 | 852.064 | 850.528 | 850.534 | 850.112 | 850.702 |
| 2+640 | 852.165 | 852.165 | 850.466 | 850.676 | 850.615 | 850.868 |
| 2+650 | 852.266 | 852.266 | 850.576 | 850.641 | 850.903 | 851.069 |
| 2+660 | 852.367 | 852.367 | 850.958 | 851.001 | 850.883 | 851.086 |
| 2+670 | 852.468 | 852.468 | 851.050 | 851.251 | 851.809 | 851.426 |
| 2+680 | 852.569 | 852.569 | 851.349 | 851.567 | 851.389 | 851.633 |
| 2+690 | 852.669 | 852.669 | 851.262 | 851.350 | 851.323 | 851.703 |
| 2+700 | 852.770 | 852.770 | 851.249 | 851.274 | 851.446 | 852.009 |
| 2+710 | 852.871 | 852.871 | 851.356 | 851.360 | 851.328 | 851.160 |
| 2+720 | 852.972 | 852.972 | 851.316 | 851.518 | 851.153 | 852.070 |
| 2+730 | 853.071 | 853.071 | 851.694 | 851.710 | 851.196 | 851.182 |
| 2+740 | 853.157 | 853.157 | 851.638 | 851.744 | 851.143 | 851.240 |
| 2+750 | 853.231 | 853.231 | 851.654 | 851.861 | 853.063 | 851.281 |
| 2+760 | 853.291 | 853.291 | 851.881 | 851.922 | 853.062 | 851.532 |
| 2+770 | 853.337 | 853.337 | 851.888 | 852.059 | 853.224 | 851.589 |
| 2+780 | 853.370 | 853.370 | 851.819 | 852.107 | 853.286 | 851.709 |
| 2+790 | 853.390 | 853.390 | 851.797 | 852.034 | 853.150 | 851.509 |
| 2+800 | 853.396 | 853.396 | 851.907 | 851.919 | 853.062 | 851.475 |
| 2+810 | 853.388 | 853.388 | 851.850 | 852.081 | 852.960 | 851.607 |
| 2+820 | 853.368 | 853.368 | 851.901 | 851.950 | 852.845 | 851.368 |
| 2+830 | 853.333 | 853.333 | 851.953 | 852.032 | 852.717 | 851.389 |
| 2+840 | 853.286 | 853.286 | 851.534 | 851.810 | 852.717 | 852.335 |
| 2+850 | 853.224 | 853.224 | 851.446 | 851.567 | 852.575 | 852.302 |
| 2+860 | 853.150 | 853.150 | 851.124 | 851.328 | 852.419 | 852.316 |
| 2+870 | 853.062 | 853.062 | 851.143 | 851.196 | 852.251 | 851.747 |
| 2+880 | 852.960 | 852.960 | 851.240 | 851.153 | 852.068 | 851.751 |
| 2+890 | 852.845 | 852.845 | 852.714 | 850.747 | 852.068 | 851.787 |
| 2+900 | 852.717 | 852.717 | 852.628 | 850.934 | 851.873 | 851.274 |
| 2+910 | 852.575 | 852.575 | 852.535 | 850.542 | 851.664 | 851.126 |
| 2+920 | 852.419 | 852.419 | 852.614 | 850.634 | 851.442 | 851.114 |
| 2+930 | 852.251 | 852.251 | 852.368 | 850.515 | 851.442 | 851.085 |
| 2+940 | 852.068 | 852.068 | 852.803 | 850.257 | 851.873 | 851.071 |
| 2+950 | 851.873 | 851.873 | 852.903 | 850.082 | 851.664 | 850.834 |
| 2+960 | 851.664 | 851.664 | 852.882 | 849.984 | 851.442 | 850.774 |
| 2+970 | 851.442 | 851.442 | 852.657 | 849.756 | 851.442 | 849.163 |
| 2+980 | 851.217 | 851.217 | 852.467 | 849.812 | 848.104 | 849.163 |
| 2+990 | 850.992 | 850.992 | 852.367 | 849.732 | 848.433 | 848.104 |
| 3+000 | 850.767 | 850.767 | 852.032 | 849.261 | 848.446 | 850.346 |

HORIZONTAL SCEMATIC: L=95.000m

VERTICAL SCEMATIC (LHS): R=19838.216m L=200.000m; G=1.008 L=597.023m; L=242.000m R=−7432.983m

VERTICAL SCEMATIC (RHS): R=19838.216m L=200.000m; G=1.008 L=597.023m; L=242.000m R=−7432.983m

SUPERELEVATION (%): e=2.500; e=2.500; e=2.500

TCS DETAILS: TCS−4; TCS−1

DESIGN CHAINAGE: 2+000 to 3+000

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

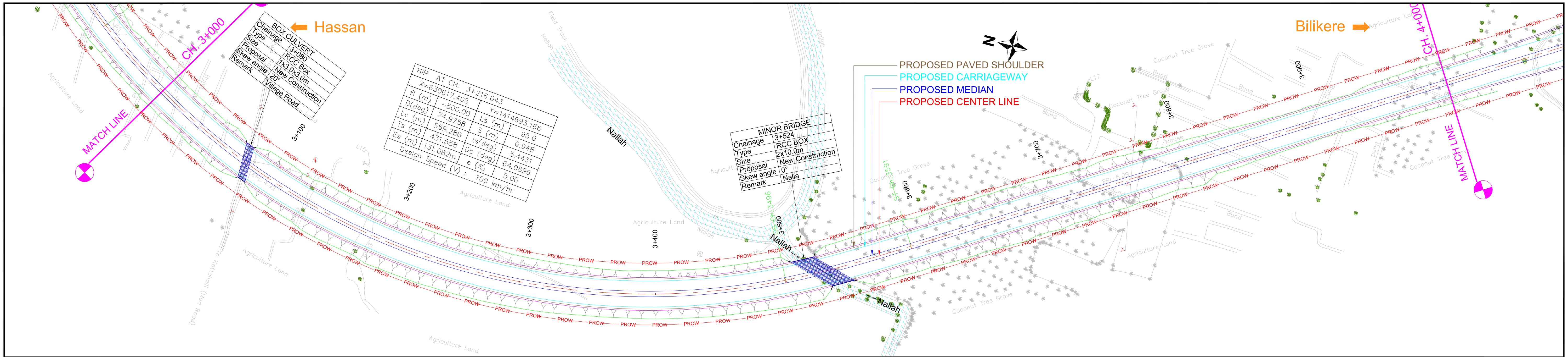
Consultant: INDIAN TECHNOCRAT LIMITED
In Association with
Vistaara Infra Consultants
New Delhi - 110 070,Ph. : 011-49531100,
Email: info@itl.net.in

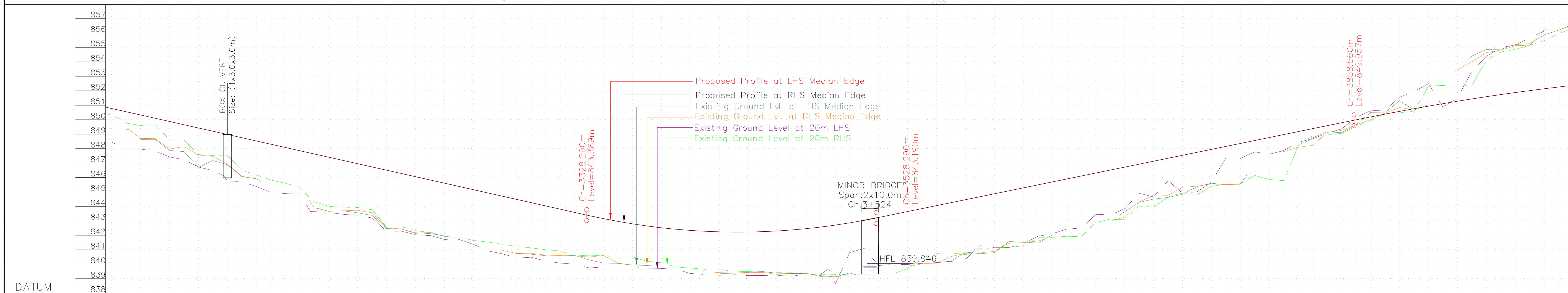
Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: PLAN & PROFILE
Km 2+000 to Km 3+000

DRG. NO. 23−102/ITL/NH373/HNP/HW/P&P−03

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN KS | CHECKED AB | APPROVED SA |




| DESIGN CHAINAGE | FRL AT MEDIAN EDGE (PAVED EDGE) LHS (m) | FRL AT MEDIAN EDGE (PAVED EDGE) RHS (m) | EXISTING GROUND AT LHS MEDIAN EDGE (m) | EXISTING GROUND AT RHS MEDIAN EDGE (m) | EXISTING GROUND LEVEL AT 20m (LHS) | EXISTING GROUND LEVEL AT 20m (RHS) |
|---|---|---|---|---|---|---|
| 3+000. | 850.767 | 850.767 | 849.032 | 849.261 | 848.446 | 850.346 |
| 3+010. | 850.543 | 850.543 | 849.262 | 849.310 | 847.961 | 849.750 |
| 3+020. | 850.318 | 850.318 | 848.620 | 848.687 | 847.957 | 849.588 |
| 3+030. | 850.093 | 850.093 | 848.633 | 848.700 | 847.828 | 849.660 |
| 3+040. | 849.868 | 849.868 | 847.863 | 847.964 | 847.414 | 848.604 |
| 3+050. | 849.644 | 849.644 | 847.787 | 848.124 | 847.220 | 848.582 |
| 3+060. | 849.419 | 849.419 | 846.691 | 847.542 | 846.717 | 847.581 |
| 3+070. | 849.194 | 849.194 | 847.161 | 847.453 | 846.468 | 847.503 |
| 3+080. | 848.969 | 848.969 | 846.875 | 846.910 | 845.751 | 847.534 |
| 3+090. | 848.745 | 848.745 | 846.052 | 846.080 | 845.703 | 846.481 |
| 3+100. | 848.520 | 848.520 | 845.906 | 845.891 | 845.364 | 846.169 |
| 3+110. | 848.295 | 848.295 | 845.280 | 845.276 | 844.964 | 845.817 |
| 3+120. | 848.070 | 848.070 | 845.180 | 845.199 | 844.880 | 845.591 |
| 3+130. | 847.846 | 847.846 | 845.507 | 845.394 | 844.838 | 845.315 |
| 3+140. | 847.621 | 847.621 | 843.922 | 843.896 | 843.632 | 844.311 |
| 3+150. | 847.396 | 847.396 | 843.650 | 843.653 | 843.561 | 844.003 |
| 3+160. | 847.171 | 847.171 | 843.688 | 843.690 | 843.446 | 843.934 |
| 3+170. | 846.946 | 846.946 | 843.547 | 843.720 | 843.371 | 843.913 |
| 3+180. | 846.722 | 846.722 | 843.367 | 843.548 | 843.193 | 843.760 |
| 3+190. | 846.497 | 846.497 | 842.462 | 842.511 | 842.267 | 842.566 |
| 3+200. | 846.272 | 846.272 | 842.427 | 842.433 | 842.280 | 842.583 |
| 3+210. | 846.047 | 846.047 | 842.167 | 842.115 | 842.043 | 842.309 |
| 3+220. | 845.823 | 845.823 | 842.110 | 842.209 | 841.983 | 842.180 |
| 3+230. | 845.598 | 845.598 | 841.948 | 841.986 | 841.702 | 841.911 |
| 3+240. | 845.373 | 845.373 | 841.867 | 841.780 | 841.706 | 841.867 |
| 3+250. | 845.148 | 845.148 | 841.516 | 841.475 | 841.363 | 841.633 |
| 3+260. | 844.924 | 844.924 | 841.105 | 841.066 | 840.919 | 841.526 |
| 3+270. | 844.699 | 844.699 | 840.929 | 840.943 | 840.711 | 841.371 |
| 3+280. | 844.474 | 844.474 | 840.728 | 840.735 | 840.419 | 841.222 |
| 3+290. | 844.249 | 844.249 | 840.679 | 840.748 | 840.469 | 841.122 |
| 3+300. | 844.025 | 844.025 | 840.574 | 840.625 | 840.208 | 840.993 |
| 3+310. | 843.800 | 843.800 | 840.555 | 840.588 | 840.071 | 840.912 |
| 3+320. | 843.575 | 843.575 | 840.600 | 840.569 | 839.987 | 840.559 |
| 3+330. | 843.351 | 843.351 | 840.280 | 840.492 | 839.731 | 840.613 |
| 3+340. | 843.140 | 843.140 | 840.072 | 840.594 | 839.804 | 840.581 |
| 3+350. | 842.951 | 842.951 | 840.044 | 840.059 | 839.799 | 840.475 |
| 3+360. | 842.784 | 842.784 | 839.927 | 839.931 | 839.806 | 840.486 |
| 3+370. | 842.638 | 842.638 | 839.905 | 839.934 | 839.727 | 840.188 |
| 3+380. | 842.514 | 842.514 | 839.950 | 839.947 | 839.694 | 840.094 |
| 3+390. | 842.411 | 842.411 | 839.540 | 839.745 | 839.642 | 839.794 |
| 3+400. | 842.329 | 842.329 | 839.558 | 839.449 | 839.344 | 839.726 |
| 3+410. | 842.269 | 842.269 | 839.455 | 839.476 | 839.285 | 839.636 |
| 3+420. | 842.231 | 842.231 | 839.352 | 839.411 | 839.223 | 839.670 |
| 3+430. | 842.214 | 842.214 | 839.366 | 839.376 | 839.257 | 839.451 |
| 3+440. | 842.218 | 842.218 | 839.425 | 839.433 | 839.204 | 839.480 |
| 3+450. | 842.244 | 842.244 | 839.479 | 839.425 | 839.209 | 839.441 |
| 3+460. | 842.292 | 842.292 | 839.363 | 839.283 | 839.217 | 839.415 |
| 3+470. | 842.361 | 842.361 | 839.347 | 839.371 | 839.160 | 839.396 |
| 3+480. | 842.451 | 842.451 | 839.354 | 839.365 | 839.316 | 839.316 |
| 3+490. | 842.563 | 842.563 | 839.206 | 839.140 | 839.302 | 839.283 |
| 3+500. | 842.696 | 842.696 | 839.112 | 839.133 | 838.624 | 839.272 |
| 3+510. | 842.851 | 842.851 | 839.382 | 839.227 | 840.789 | 839.307 |
| 3+520. | 843.028 | 843.028 | 839.098 | 839.080 | 841.085 | 839.303 |
| 3+530. | 843.225 | 843.225 | 839.814 | 839.720 | 839.902 | 839.301 |
| 3+540. | 843.430 | 843.430 | 839.870 | 839.902 | 839.974 | 839.322 |
| 3+550. | 843.635 | 843.635 | 840.044 | 839.809 | 839.978 | 839.693 |
| 3+560. | 843.840 | 843.840 | 840.066 | 840.017 | 840.045 | 840.441 |
| 3+570. | 844.045 | 844.045 | 840.096 | 840.062 | 840.105 | 840.722 |
| 3+580. | 844.250 | 844.250 | 840.210 | 840.522 | 840.176 | 840.780 |
| 3+590. | 844.454 | 844.454 | 840.822 | 840.744 | 840.362 | 840.655 |
| 3+600. | 844.659 | 844.659 | 840.722 | 840.769 | 841.275 | 841.061 |
| 3+610. | 844.864 | 844.864 | 840.791 | 840.880 | 841.135 | 841.121 |
| 3+620. | 845.069 | 845.069 | 841.562 | 841.436 | 841.143 | 841.159 |
| 3+630. | 845.274 | 845.274 | 841.526 | 841.490 | 841.399 | 841.268 |
| 3+640. | 845.479 | 845.479 | 841.453 | 841.593 | 841.919 | 841.817 |
| 3+650. | 845.684 | 845.684 | 842.013 | 841.885 | 842.098 | 841.847 |
| 3+660. | 845.889 | 845.889 | 842.068 | 841.956 | 842.424 | 841.920 |
| 3+670. | 846.093 | 846.093 | 842.445 | 842.326 | 842.485 | 841.895 |
| 3+680. | 846.298 | 846.298 | 842.907 | 842.932 | 843.428 | 842.876 |
| 3+690. | 846.503 | 846.503 | 842.953 | 842.962 | 843.451 | 843.113 |
| 3+700. | 846.708 | 846.708 | 843.619 | 843.249 | 843.839 | 843.104 |
| 3+710. | 846.913 | 846.913 | 844.271 | 844.284 | 844.903 | 844.005 |
| 3+720. | 847.118 | 847.118 | 844.496 | 844.777 | 844.647 | 843.952 |
| 3+730. | 847.323 | 847.323 | 844.615 | 844.761 | 845.775 | 844.656 |
| 3+740. | 847.528 | 847.528 | 844.824 | 845.317 | 844.903 | 844.924 |
| 3+750. | 847.733 | 847.733 | 845.366 | 845.388 | 845.005 | 844.781 |
| 3+760. | 847.937 | 847.937 | 845.589 | 845.546 | 845.694 | 845.375 |
| 3+770. | 848.142 | 848.142 | 845.502 | 845.497 | 847.353 | 845.545 |
| 3+780. | 848.347 | 848.347 | 845.547 | 845.516 | 847.313 | 845.562 |
| 3+790. | 848.552 | 848.552 | 846.904 | 845.527 | 847.762 | 846.133 |
| 3+800. | 848.757 | 848.757 | 847.660 | 848.188 | 847.602 | 845.847 |
| 3+810. | 848.962 | 848.962 | 847.773 | 847.786 | 847.859 | 845.778 |
| 3+820. | 849.167 | 849.167 | 848.121 | 848.088 | 848.431 | 848.196 |
| 3+830. | 849.372 | 849.372 | 848.739 | 848.217 | 848.681 | 848.885 |
| 3+840. | 849.577 | 849.577 | 849.150 | 849.105 | 849.051 | 848.961 |
| 3+850. | 849.781 | 849.781 | 849.093 | 849.254 | 849.364 | 849.044 |
| 3+860. | 849.986 | 849.986 | 849.644 | 849.639 | 850.163 | 849.545 |
| 3+870. | 850.187 | 850.187 | 850.498 | 850.004 | 850.607 | 849.916 |
| 3+880. | 850.382 | 850.382 | 850.509 | 850.459 | 850.651 | 850.449 |
| 3+890. | 850.571 | 850.571 | 851.309 | 850.834 | 851.553 | 850.466 |
| 3+900. | 850.755 | 850.755 | 850.655 | 850.684 | 851.949 | 850.586 |
| 3+910. | 850.932 | 850.932 | 851.035 | 850.722 | 852.491 | 852.326 |
| 3+920. | 851.103 | 851.103 | 851.018 | 851.206 | 850.864 | 852.360 |
| 3+930. | 851.268 | 851.268 | 853.545 | 853.430 | 851.512 | 852.305 |
| 3+940. | 851.427 | 851.427 | 854.400 | 853.999 | 853.352 | 852.391 |
| 3+950. | 851.580 | 851.580 | 854.853 | 854.634 | 854.381 | 854.129 |
| 3+960. | 851.727 | 851.727 | 854.864 | 854.816 | 854.976 | 854.679 |
| 3+970. | 851.869 | 851.869 | 855.191 | 855.118 | 855.169 | 854.863 |
| 3+980. | 852.004 | 852.004 | 855.257 | 855.150 | 855.658 | 855.143 |
| 3+990. | 852.133 | 852.133 | 855.866 | 856.215 | 856.130 | 855.474 |
| 4+000. | 852.256 | 852.256 | 856.195 | 856.194 | 856.130 | 855.949 |

HORIZONTAL SCEMATIC: R=-500.000m, L=559.288m; L=95.000m; L=714.574m

VERTICAL SCEMATIC (LHS): L=361.700m, G=-2.248; R=4654.985m, L=200.000m; G=2.049, L=330.270m; L=180.000m, R=-16717.672m

VERTICAL SCEMATIC (RHS): L=361.700m, G=-2.248; R=4654.985m, L=200.000m; G=2.049, L=330.270m; L=180.000m, R=-16717.672m

SUPERELEVATION (%): e=5.000; e=5.000; e=2.500; e=2.500

TCS DETAILS: TCS-1; TCS-4; TCS-1; TCS-5

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

Consultant: INDIAN TECHNOCRAT LIMITED In Association with Vistaara Infra Consultants New Delhi - 110 070, Ph. : 011-49531100, Email: info@itl.net.in

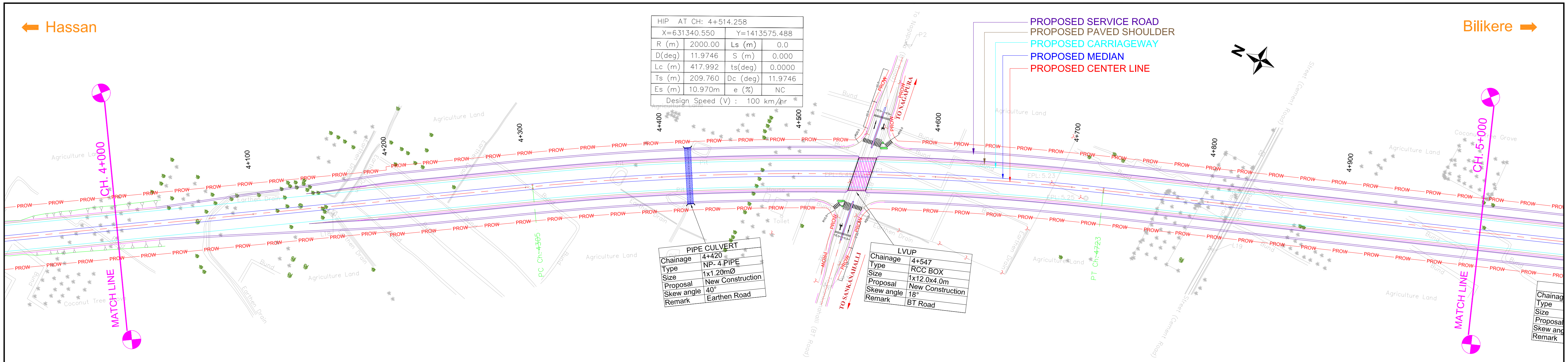
Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: PLAN & PROFILE Km 3+000 to Km 4+000

DRG. NO. 23-102/ITL/NH373/HNP/HW/P&P-04

DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0

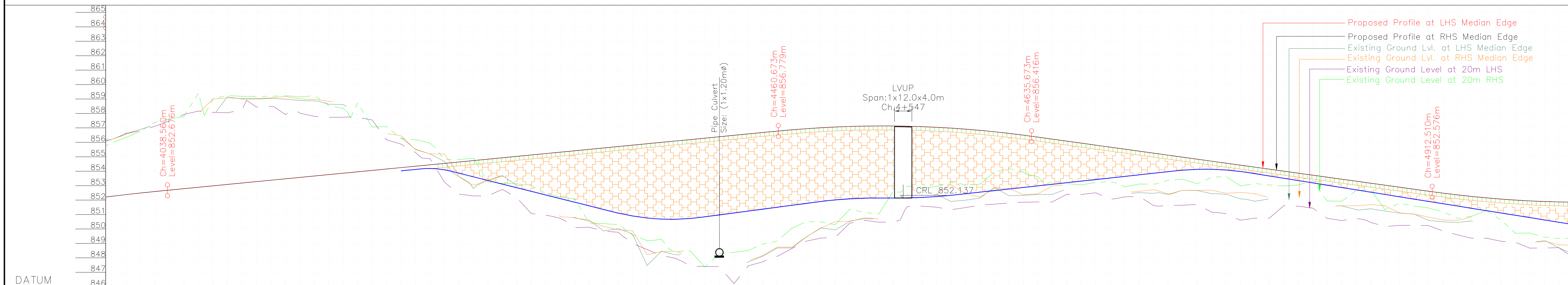
DESIGN RC | DRAWN XS | CHECKED AB | APPROVED SK




| HIP AT CH: 4+514.258 | | | |
|---|---|---|---|
| X=631340.550 | | Y=1413575.488 | |
| R (m) | 2000.00 | Ls (m) | 0.0 |
| D(deg) | 11.9746 | S (m) | 0.000 |
| Lc (m) | 417.992 | ts(deg) | 0.0000 |
| Ts (m) | 209.760 | Dc (deg) | 11.9746 |
| Es (m) | 10.970m | e (%) | NC |
| Design Speed (V) : 100 km/hr | | | |

| PIPE CULVERT | |
|---|---|
| Chainage | 4+420 |
| Type | NP- 4 PIPE |
| Size | 1x1.20mØ |
| Proposal | New Construction |
| Skew angle | 40° |
| Remark | Earthen Road |

| LVUP | |
|---|---|
| Chainage | 4+547 |
| Type | RCC BOX |
| Size | 1x12.0x4.0m |
| Proposal | New Construction |
| Skew angle | 18° |
| Remark | BT Road |




| DESIGN CHAINAGE | FRL AT MEDIAN EDGE (PAVED EDGE) LHS (m) | FRL AT MEDIAN EDGE (PAVED EDGE) RHS (m) | EXISTING GROUND AT LHS MEDIAN EDGE (m) | EXISTING GROUND AT RHS MEDIAN EDGE (m) | EXISTING GROUND LEVEL AT 20m (LHS) | EXISTING GROUND LEVEL AT 20m (RHS) |
|---|---|---|---|---|---|---|
| 4+000. | 852.256 | 852.256 | 856.195 | 856.194 | 856.130 | 855.949 |
| 4+010. | 852.374 | 852.374 | 856.601 | 856.546 | 856.624 | 856.329 |
| 4+020. | 852.485 | 852.485 | 856.893 | 856.886 | 856.793 | 856.772 |
| 4+030. | 852.590 | 852.590 | 857.216 | 857.242 | 857.112 | 857.375 |
| 4+040. | 852.690 | 852.690 | 857.679 | 857.673 | 857.473 | 857.612 |
| 4+050. | 852.787 | 852.787 | 857.828 | 857.677 | 857.924 | 857.784 |
| 4+060. | 852.884 | 852.884 | 857.959 | 858.012 | 858.163 | 859.419 |
| 4+070. | 852.981 | 852.981 | 857.838 | 858.991 | 858.071 | 859.019 |
| 4+080. | 853.079 | 853.079 | 859.144 | 859.080 | 858.044 | 859.240 |
| 4+090. | 853.176 | 853.176 | 858.997 | 859.031 | 858.233 | 859.182 |
| 4+100. | 853.273 | 853.273 | 859.000 | 859.035 | 858.448 | 859.179 |
| 4+110. | 853.370 | 853.370 | 859.041 | 859.070 | 858.482 | 859.187 |
| 4+120. | 853.467 | 853.467 | 858.987 | 859.174 | 857.924 | 859.223 |
| 4+130. | 853.565 | 853.565 | 858.886 | 859.001 | 858.015 | 859.130 |
| 4+140. | 853.662 | 853.662 | 858.868 | 858.968 | 857.796 | 859.234 |
| 4+150. | 853.759 | 853.759 | 858.637 | 858.840 | 857.731 | 858.559 |
| 4+160. | 853.856 | 853.856 | 858.614 | 858.694 | 857.732 | 858.340 |
| 4+170. | 853.954 | 853.954 | 857.534 | 857.110 | 857.720 | 858.723 |
| 4+180. | 854.051 | 854.051 | 856.769 | 856.722 | 857.544 | 857.057 |
| 4+190. | 854.148 | 854.148 | 856.582 | 856.595 | 856.173 | 857.087 |
| 4+200. | 854.245 | 854.245 | 856.341 | 856.455 | 855.866 | 856.250 |
| 4+210. | 854.342 | 854.342 | 855.511 | 855.488 | 855.292 | 856.169 |
| 4+220. | 854.440 | 854.440 | 855.191 | 855.196 | 854.866 | 855.933 |
| 4+230. | 854.537 | 854.537 | 854.665 | 855.181 | 853.243 | 854.808 |
| 4+240. | 854.634 | 854.634 | 853.621 | 853.614 | 852.404 | 854.798 |
| 4+250. | 854.731 | 854.731 | 852.798 | 853.020 | 852.281 | 854.898 |
| 4+260. | 854.828 | 854.828 | 853.370 | 853.382 | 852.289 | 853.250 |
| 4+270. | 854.926 | 854.926 | 853.698 | 853.647 | 852.742 | 853.148 |
| 4+280. | 855.023 | 855.023 | 853.010 | 853.189 | 852.155 | 853.118 |
| 4+290. | 855.120 | 855.120 | 852.511 | 852.688 | 851.065 | 852.987 |
| 4+300. | 855.217 | 855.217 | 851.685 | 852.182 | 850.952 | 852.491 |
| 4+310. | 855.315 | 855.315 | 850.925 | 850.841 | 850.730 | 852.210 |
| 4+320. | 855.412 | 855.412 | 850.759 | 850.793 | 850.089 | 852.077 |
| 4+330. | 855.509 | 855.509 | 850.599 | 850.525 | 850.118 | 850.404 |
| 4+340. | 855.606 | 855.606 | 849.851 | 850.163 | 849.857 | 850.359 |
| 4+350. | 855.703 | 855.703 | 850.016 | 849.937 | 849.762 | 850.296 |
| 4+360. | 855.801 | 855.801 | 849.638 | 849.857 | 848.985 | 849.565 |
| 4+370. | 855.898 | 855.898 | 847.463 | 848.224 | 848.569 | 849.181 |
| 4+380. | 855.995 | 855.995 | 848.457 | 848.421 | 848.169 | 849.280 |
| 4+390. | 856.092 | 856.092 | 848.212 | 848.441 | 847.943 | 848.438 |
| 4+400. | 856.190 | 856.190 | 848.149 | 848.055 | 847.434 | 848.470 |
| 4+410. | 856.287 | 856.287 | 848.076 | 848.122 | 847.392 | 847.354 |
| 4+420. | 856.384 | 856.384 | 847.917 | 848.027 | 847.388 | 848.306 |
| 4+430. | 856.481 | 856.481 | 847.372 | 847.907 | 846.212 | 848.372 |
| 4+440. | 856.578 | 856.578 | 847.709 | 847.797 | 847.445 | 848.510 |
| 4+450. | 856.676 | 856.676 | 848.112 | 848.158 | 847.721 | 848.963 |
| 4+460. | 856.773 | 856.773 | 848.682 | 848.744 | 848.101 | 849.168 |
| 4+470. | 856.864 | 856.864 | 848.678 | 848.733 | 848.639 | 850.040 |
| 4+480. | 856.942 | 856.942 | 849.431 | 849.446 | 849.147 | 850.501 |
| 4+490. | 857.006 | 857.006 | 850.066 | 850.037 | 849.361 | 850.485 |
| 4+500. | 857.057 | 857.057 | 849.936 | 850.504 | 849.410 | 850.294 |
| 4+510. | 857.095 | 857.095 | 850.512 | 850.540 | 850.384 | 851.348 |
| 4+520. | 857.119 | 857.119 | 850.710 | 850.766 | 850.597 | 851.152 |
| 4+530. | 857.129 | 857.129 | 850.693 | 850.687 | 850.466 | 851.010 |
| 4+540. | 857.126 | 857.126 | 850.949 | 852.149 | 850.477 | 852.586 |
| 4+550. | 857.110 | 857.110 | 852.099 | 852.190 | 851.550 | 852.966 |
| 4+560. | 857.080 | 857.080 | 852.137 | 852.235 | 851.573 | 852.824 |
| 4+570. | 857.036 | 857.036 | 852.398 | 852.395 | 851.506 | 852.933 |
| 4+580. | 856.980 | 856.980 | 851.898 | 853.066 | 851.325 | 853.253 |
| 4+590. | 856.909 | 856.909 | 851.990 | 852.439 | 851.477 | 853.036 |
| 4+600. | 856.825 | 856.825 | 852.135 | 852.199 | 851.641 | 853.094 |
| 4+610. | 856.728 | 856.728 | 852.884 | 852.795 | 851.714 | 853.923 |
| 4+620. | 856.617 | 856.617 | 852.303 | 852.814 | 851.792 | 854.178 |
| 4+630. | 856.493 | 856.493 | 852.327 | 852.369 | 851.850 | 853.933 |
| 4+640. | 856.356 | 856.356 | 852.384 | 852.422 | 851.865 | 853.632 |
| 4+650. | 856.217 | 856.217 | 852.387 | 852.981 | 851.864 | 853.269 |
| 4+660. | 856.079 | 856.079 | 852.767 | 853.061 | 852.398 | 853.133 |
| 4+670. | 855.940 | 855.940 | 852.614 | 852.755 | 852.377 | 853.049 |
| 4+680. | 855.801 | 855.801 | 852.527 | 852.614 | 852.500 | 853.211 |
| 4+690. | 855.662 | 855.662 | 852.180 | 852.586 | 852.049 | 853.268 |
| 4+700. | 855.524 | 855.524 | 852.404 | 852.521 | 852.217 | 852.912 |
| 4+710. | 855.385 | 855.385 | 852.517 | 852.595 | 852.251 | 853.108 |
| 4+720. | 855.246 | 855.246 | 852.460 | 852.724 | 851.616 | 853.096 |
| 4+730. | 855.108 | 855.108 | 852.384 | 852.415 | 851.620 | 853.378 |
| 4+740. | 854.969 | 854.969 | 852.682 | 852.676 | 851.638 | 853.443 |
| 4+750. | 854.830 | 854.830 | 852.660 | 852.670 | 851.696 | 853.124 |
| 4+760. | 854.691 | 854.691 | 852.444 | 852.681 | 851.163 | 853.568 |
| 4+770. | 854.553 | 854.553 | 852.405 | 852.474 | 851.054 | 853.637 |
| 4+780. | 854.414 | 854.414 | 852.079 | 852.523 | 850.599 | 852.980 |
| 4+790. | 854.275 | 854.275 | 851.918 | 852.421 | 850.750 | 853.138 |
| 4+800. | 854.137 | 854.137 | 852.076 | 852.169 | 850.744 | 853.043 |
| 4+810. | 853.998 | 853.998 | 852.038 | 852.094 | 851.609 | 852.969 |
| 4+820. | 853.859 | 853.859 | 852.025 | 852.204 | 851.570 | 853.043 |
| 4+830. | 853.720 | 853.720 | 851.567 | 851.795 | 851.436 | 853.325 |
| 4+840. | 853.582 | 853.582 | 851.599 | 851.590 | 850.727 | 851.931 |
| 4+850. | 853.443 | 853.443 | 851.582 | 851.594 | 850.577 | 851.914 |
| 4+860. | 853.304 | 853.304 | 851.340 | 851.596 | 850.745 | 852.651 |
| 4+870. | 853.165 | 853.165 | 851.394 | 851.680 | 850.449 | 852.727 |
| 4+880. | 853.027 | 853.027 | 851.228 | 851.595 | 850.160 | 851.324 |
| 4+890. | 852.888 | 852.888 | 851.097 | 851.109 | 850.244 | 851.782 |
| 4+900. | 852.749 | 852.749 | 851.029 | 851.024 | 850.242 | 851.578 |
| 4+910. | 852.611 | 852.611 | 850.589 | 850.816 | 850.230 | 851.448 |
| 4+920. | 852.475 | 852.475 | 850.492 | 850.609 | 849.850 | 851.188 |
| 4+930. | 852.353 | 852.353 | 850.439 | 850.590 | 849.583 | 850.737 |
| 4+940. | 852.244 | 852.244 | 850.550 | 850.838 | 849.345 | 850.878 |
| 4+950. | 852.148 | 852.148 | 850.264 | 850.181 | 849.354 | 851.273 |
| 4+960. | 852.065 | 852.065 | 849.478 | 849.794 | 849.142 | 850.613 |
| 4+970. | 851.996 | 851.996 | 849.447 | 849.443 | 849.076 | 849.703 |
| 4+980. | 851.940 | 851.940 | 849.111 | 849.089 | 848.669 | 849.713 |
| 4+990. | 851.896 | 851.896 | 849.173 | 849.127 | 848.677 | 849.433 |
| 5+000. | 851.866 | 851.866 | 848.686 | 848.902 | 848.695 | 849.327 |

HORIZONTAL SCEMATIC: R=2000.000m, L=417.992m

VERTICAL SCEMATIC (LHS): G=0.972, L=422.113m; L=175.000m, R=−7417.084m; L=276.837m, G=−1.387

VERTICAL SCEMATIC (RHS): G=0.972, L=422.113m; L=175.000m, R=−7417.084m; L=276.837m, G=−1.387

SUPERELEVATION (%): e=2.500; e=2.500

TCS DETAILS: TCS−5; TCS−3

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

Consultant: INDIAN TECHNOCRAT LIMITED In Association with Vistaara Infra Consultants New Delhi - 110 070, Ph. : 011-49531100, Email: info@itl.net.in

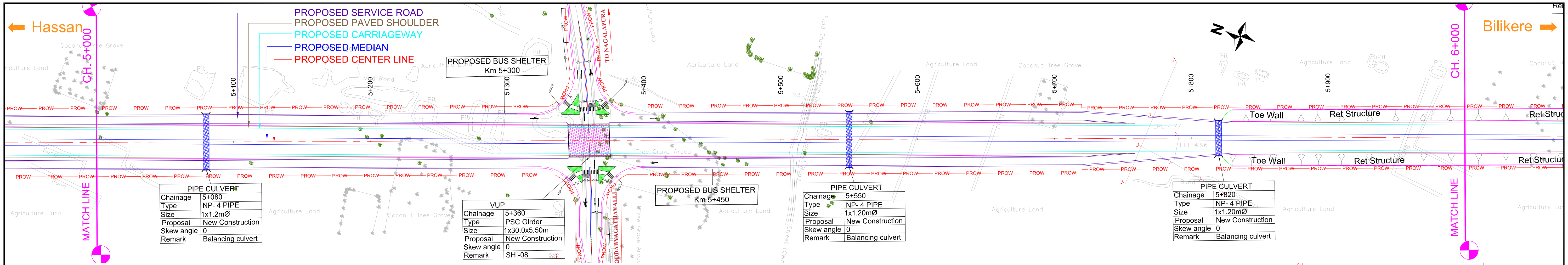
Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

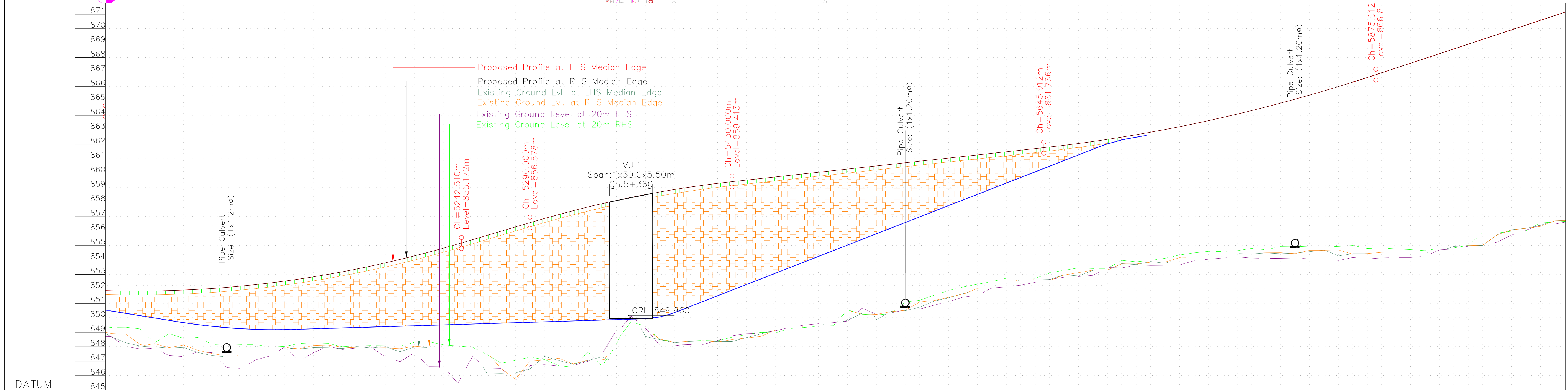
Title: PLAN & PROFILE Km 4+000 to Km 5+000

DRG. NO. 23−102/ITL/NH373/HNP/HW/P&P−05

DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0

DESIGN RC | DRAWN KS | CHECKED AB | APPROVED SK




| DESIGN CHAINAGE | FRL AT MEDIAN EDGE (PAVED EDGE) LHS (m) | FRL AT MEDIAN EDGE (PAVED EDGE) RHS (m) | EXISTING GROUND AT LHS MEDIAN EDGE (m) | EXISTING GROUND AT RHS MEDIAN EDGE (m) | EXISTING GROUND LEVEL AT 20m (LHS) | EXISTING GROUND LEVEL AT 20m (RHS) |
|---|---|---|---|---|---|---|
| 5+000. | 851.866 | 851.866 | 848.686 | 848.902 | 848.695 | 849.327 |
| 5+010. | 851.849 | 851.849 | 848.261 | 848.855 | 848.007 | 849.345 |
| 5+020. | 851.846 | 851.846 | 848.048 | 848.142 | 847.839 | 849.226 |
| 5+030. | 851.855 | 851.855 | 847.971 | 848.204 | 847.885 | 848.260 |
| 5+040. | 851.878 | 851.878 | 847.892 | 847.922 | 847.377 | 848.899 |
| 5+050. | 851.914 | 851.914 | 847.941 | 848.111 | 847.308 | 848.578 |
| 5+060. | 851.963 | 851.963 | 847.595 | 847.746 | 847.635 | 848.642 |
| 5+070. | 852.025 | 852.025 | 847.375 | 847.516 | 847.579 | 848.145 |
| 5+080. | 852.100 | 852.100 | 847.297 | 847.357 | 846.553 | 848.184 |
| 5+090. | 852.189 | 852.189 | 847.439 | 847.394 | 846.480 | 848.148 |
| 5+100. | 852.290 | 852.290 | 848.008 | 847.980 | 847.089 | 848.154 |
| 5+110. | 852.405 | 852.405 | 847.973 | 848.085 | 847.360 | 847.962 |
| 5+120. | 852.533 | 852.533 | 847.912 | 847.944 | 847.964 | 848.015 |
| 5+130. | 852.675 | 852.675 | 847.840 | 847.846 | 846.989 | 848.214 |
| 5+140. | 852.829 | 852.829 | 847.930 | 848.076 | 847.583 | 848.256 |
| 5+150. | 852.997 | 852.997 | 847.916 | 848.109 | 848.026 | 848.222 |
| 5+160. | 853.177 | 853.177 | 847.869 | 847.961 | 847.801 | 847.993 |
| 5+170. | 853.371 | 853.371 | 848.004 | 847.912 | 847.902 | 848.048 |
| 5+180. | 853.578 | 853.578 | 847.901 | 847.914 | 847.969 | 848.079 |
| 5+190. | 853.799 | 853.799 | 847.998 | 847.918 | 847.259 | 848.065 |
| 5+200. | 854.032 | 854.032 | 847.654 | 847.860 | 846.965 | 848.034 |
| 5+210. | 854.279 | 854.279 | 847.967 | 848.024 | 847.578 | 848.291 |
| 5+220. | 854.539 | 854.539 | 847.933 | 847.957 | 846.623 | 848.332 |
| 5+230. | 854.812 | 854.812 | 847.642 | 848.078 | 846.616 | 848.125 |
| 5+240. | 855.098 | 855.098 | 847.962 | 848.216 | 845.458 | 848.046 |
| 5+250. | 855.393 | 855.393 | 847.913 | 847.994 | 847.287 | 847.951 |
| 5+260. | 855.689 | 855.689 | 846.162 | 847.624 | 846.449 | 847.464 |
| 5+270. | 855.986 | 855.986 | 846.143 | 846.475 | 846.474 | 846.851 |
| 5+280. | 856.282 | 856.282 | 846.188 | 845.746 | 845.692 | 847.049 |
| 5+290. | 856.578 | 856.578 | 846.449 | 846.997 | 846.690 | 847.269 |
| 5+300. | 856.867 | 856.867 | 847.327 | 847.070 | 846.758 | 847.114 |
| 5+310. | 857.143 | 857.143 | 847.040 | 847.196 | 846.654 | 846.682 |
| 5+320. | 857.406 | 857.406 | 846.775 | 846.797 | 846.704 | 846.581 |
| 5+330. | 857.655 | 857.655 | 847.036 | 847.063 | 846.981 | 847.593 |
| 5+340. | 857.891 | 857.891 | 847.298 | 847.092 | 847.509 | 846.648 |
| 5+350. | 858.113 | 858.113 | 846.907 | 848.584 | 849.149 | 848.186 |
| 5+360. | 858.323 | 858.323 | 849.991 | 849.930 | 850.121 | 849.710 |
| 5+370. | 858.518 | 858.518 | 848.702 | 849.225 | 849.272 | 849.418 |
| 5+380. | 858.701 | 858.701 | 848.484 | 848.519 | 848.081 | 848.454 |
| 5+390. | 858.870 | 858.870 | 848.262 | 848.293 | 848.061 | 848.383 |
| 5+400. | 859.026 | 859.026 | 848.351 | 848.368 | 848.146 | 848.393 |
| 5+410. | 859.168 | 859.168 | 848.402 | 848.417 | 848.152 | 848.427 |
| 5+420. | 859.297 | 859.297 | 848.348 | 848.319 | 848.423 | 848.401 |
| 5+430. | 859.413 | 859.413 | 848.351 | 848.484 | 848.750 | 848.658 |
| 5+440. | 859.522 | 859.522 | 848.626 | 848.601 | 848.891 | 848.830 |
| 5+450. | 859.631 | 859.631 | 848.871 | 848.705 | 848.921 | 848.988 |
| 5+460. | 859.740 | 859.740 | 849.171 | 849.149 | 849.100 | 848.953 |
| 5+470. | 859.849 | 859.849 | 849.215 | 849.127 | 849.330 | 849.251 |
| 5+480. | 859.958 | 859.958 | 849.388 | 849.407 | 849.488 | 849.325 |
| 5+490. | 860.067 | 860.067 | 849.557 | 849.513 | 849.588 | 849.425 |
| 5+500. | 860.176 | 860.176 | 849.525 | 849.523 | 849.662 | 849.448 |
| 5+510. | 860.285 | 860.285 | 849.834 | 850.475 | 849.767 | 850.538 |
| 5+520. | 860.394 | 860.394 | 850.302 | 850.244 | 850.672 | 850.234 |
| 5+530. | 860.503 | 860.503 | 849.871 | 850.226 | 850.231 | 850.188 |
| 5+540. | 860.612 | 860.612 | 850.430 | 850.413 | 850.327 | 850.276 |
| 5+550. | 860.721 | 860.721 | 850.490 | 850.511 | 850.541 | 851.089 |
| 5+560. | 860.830 | 860.830 | 850.733 | 851.094 | 850.598 | 851.206 |
| 5+570. | 860.939 | 860.939 | 851.149 | 851.187 | 850.865 | 851.562 |
| 5+580. | 861.048 | 861.048 | 851.373 | 851.410 | 851.116 | 851.889 |
| 5+590. | 861.157 | 861.157 | 851.666 | 851.648 | 851.420 | 852.123 |
| 5+600. | 861.266 | 861.266 | 852.033 | 852.033 | 851.553 | 852.315 |
| 5+610. | 861.375 | 861.375 | 852.081 | 852.142 | 852.059 | 852.504 |
| 5+620. | 861.484 | 861.484 | 852.453 | 852.448 | 852.140 | 852.730 |
| 5+630. | 861.593 | 861.593 | 852.599 | 852.632 | 852.246 | 852.743 |
| 5+640. | 861.702 | 861.702 | 852.622 | 852.636 | 852.453 | 852.727 |
| 5+650. | 861.812 | 861.812 | 852.643 | 852.580 | 852.654 | 853.088 |
| 5+660. | 861.929 | 861.929 | 852.976 | 852.958 | 852.804 | 853.282 |
| 5+670. | 862.057 | 862.057 | 852.892 | 853.118 | 852.846 | 853.450 |
| 5+680. | 862.194 | 862.194 | 853.279 | 853.295 | 852.931 | 853.404 |
| 5+690. | 862.340 | 862.340 | 853.291 | 853.306 | 853.472 | 853.415 |
| 5+700. | 862.496 | 862.496 | 853.743 | 853.729 | 853.448 | 853.969 |
| 5+710. | 862.662 | 862.662 | 853.676 | 853.725 | 853.641 | 853.869 |
| 5+720. | 862.837 | 862.837 | 853.888 | 853.837 | 853.618 | 853.967 |
| 5+730. | 863.022 | 863.022 | 853.762 | 853.850 | 853.629 | 854.111 |
| 5+740. | 863.217 | 863.217 | 854.111 | 854.159 | 853.647 | 854.339 |
| 5+750. | 863.421 | 863.421 | 854.118 | 854.173 | 853.941 | 854.485 |
| 5+760. | 863.635 | 863.635 | 854.234 | 854.193 | 854.047 | 854.592 |
| 5+770. | 863.859 | 863.859 | 854.218 | 854.235 | 854.132 | 854.581 |
| 5+780. | 864.092 | 864.092 | 854.441 | 854.351 | 854.207 | 854.639 |
| 5+790. | 864.334 | 864.334 | 854.412 | 854.465 | 854.125 | 854.801 |
| 5+800. | 864.586 | 864.586 | 854.481 | 854.494 | 854.100 | 854.699 |
| 5+810. | 864.848 | 864.848 | 854.424 | 854.500 | 854.107 | 854.932 |
| 5+820. | 865.120 | 865.120 | 854.468 | 854.429 | 854.132 | 854.948 |
| 5+830. | 865.401 | 865.401 | 854.570 | 854.662 | 854.068 | 854.897 |
| 5+840. | 865.692 | 865.692 | 854.676 | 854.666 | 854.076 | 854.897 |
| 5+850. | 865.992 | 865.992 | 854.272 | 854.688 | 853.961 | 854.931 |
| 5+860. | 866.302 | 866.302 | 854.431 | 854.396 | 854.169 | 855.001 |
| 5+870. | 866.621 | 866.621 | 854.434 | 854.437 | 854.066 | 854.791 |
| 5+880. | 866.950 | 866.950 | 854.377 | 854.523 | 854.135 | 854.825 |
| 5+890. | 867.280 | 867.280 | 854.432 | 854.530 | 854.165 | 854.765 |
| 5+900. | 867.610 | 867.610 | 854.433 | 854.418 | 854.168 | 854.710 |
| 5+910. | 867.940 | 867.940 | 854.480 | 854.502 | 854.252 | 854.638 |
| 5+920. | 868.270 | 868.270 | 854.604 | 854.630 | 854.696 | 854.813 |
| 5+930. | 868.600 | 868.600 | 854.926 | 854.966 | 854.757 | 854.828 |
| 5+940. | 868.930 | 868.930 | 854.986 | 854.985 | 854.943 | 855.004 |
| 5+950. | 869.260 | 869.260 | 855.006 | 855.023 | 855.021 | 855.882 |
| 5+960. | 869.590 | 869.590 | 855.732 | 855.728 | 855.240 | 855.854 |
| 5+970. | 869.920 | 869.920 | 856.089 | 856.070 | 855.716 | 855.987 |
| 5+980. | 870.250 | 870.250 | 856.188 | 856.187 | 856.066 | 856.015 |
| 5+990. | 870.580 | 870.580 | 856.401 | 856.315 | 856.411 | 856.557 |
| 6+000. | 870.910 | 870.910 | 856.698 | 856.705 | 856.480 | 856.620 |

HORIZONTAL SCEMATIC: L=2192.065m

VERTICAL SCEMATIC (LHS): R=7590.029m L=330.000m | G=2.961 L=47.490m | L=140.000m R=−7484.142m | G=1.090 L=215.912m | R=10406.912m L=230.000m

VERTICAL SCEMATIC (RHS): R=7590.029m L=330.000m | G=2.961 L=47.490m | L=140.000m R=−7484.142m | G=1.090 L=215.912m | R=10406.912m L=230.000m

SUPERELEVATION (%): e=2.500 | e=2.500

TCS DETAILS: TCS−3 | TCS−4

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

Consultant: INDIAN TECHNOCRAT LIMITED
In Association with
Vistaara Infra Consultants
New Delhi - 110 070, Ph. : 011-49531100,
Email: info@itl.net.in

Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: PLAN & PROFILE
Km 5+000 to Km 6+000

DRG. NO. 23−102/ITL/NH373/HNP/HW/P&P−06

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN KS | CHECKED AB | APPROVED SK |

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

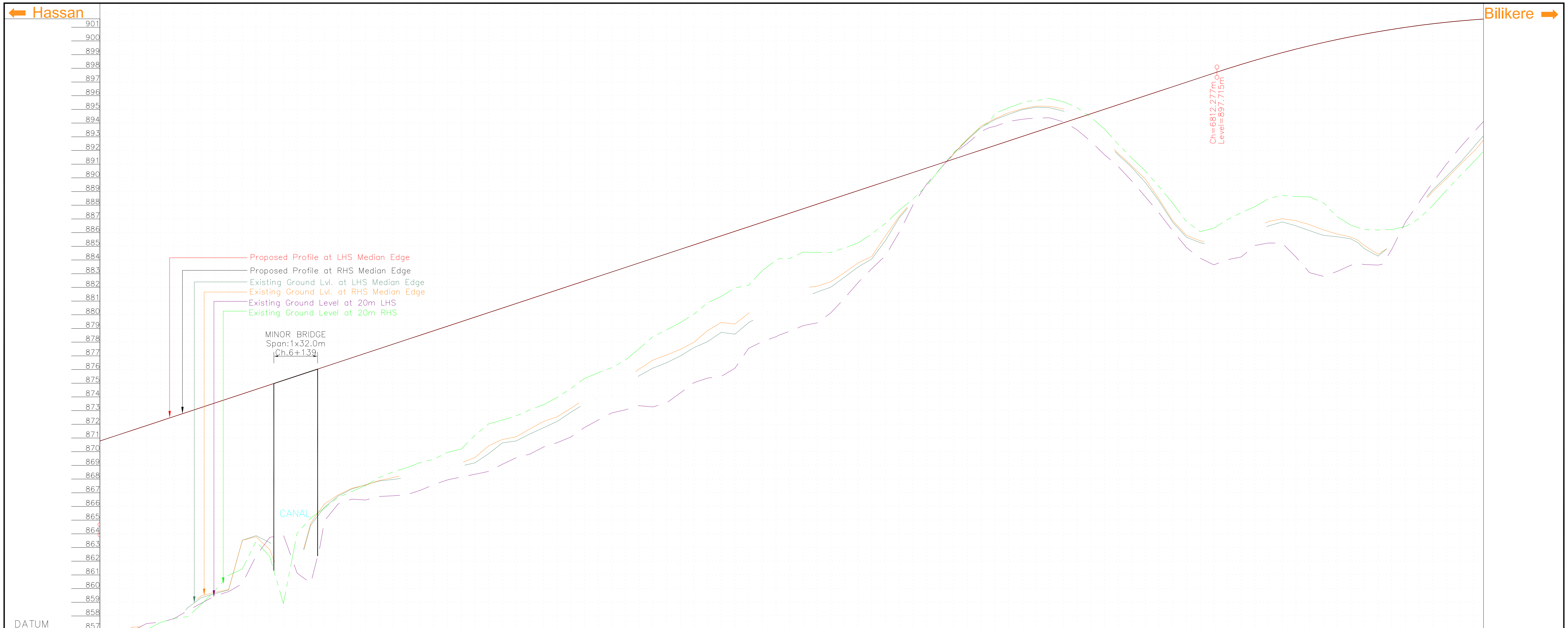
Consultant: INDIAN TECHNOCRAT LIMITED
In Association with
Vistaara Infra Consultants
New Delhi - 110 070,Ph. : 011-49531100,
Email: info@itl.net.in

Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: PLAN & PROFILE
Km 6+000 to Km 7+000

DRG. NO. 23-102/ITL/NH373/HNP/HW/P&P-07

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN | CHECKED AB | APPROVED |




| DESIGN CHAINAGE | FRL AT MEDIAN EDGE (PAVED EDGE) LHS (m) | FRL AT MEDIAN EDGE (PAVED EDGE) RHS (m) | EXISTING GROUND AT LHS MEDIAN EDGE (m) | EXISTING GROUND AT RHS MEDIAN EDGE (m) | EXISTING GROUND LEVEL AT 20m (LHS) | EXISTING GROUND LEVEL AT 20m (RHS) |
|---|---|---|---|---|---|---|
| 6+000 | 870.910 | 870.910 | 856.698 | 856.705 | 856.480 | 856.620 |
| 6+010 | 871.240 | 871.240 | 856.753 | 856.723 | 856.667 | 856.691 |
| 6+020 | 871.570 | 871.570 | 857.040 | 857.182 | 856.928 | 857.004 |
| 6+030 | 871.900 | 871.900 | 857.332 | 857.209 | 857.439 | 856.999 |
| 6+040 | 872.230 | 872.230 | 857.541 | 857.417 | 857.529 | 857.505 |
| 6+050 | 872.560 | 872.560 | 857.526 | 857.491 | 857.793 | 857.819 |
| 6+060 | 872.890 | 872.890 | 858.583 | 858.703 | 858.382 | 857.939 |
| 6+070 | 873.220 | 873.220 | 859.331 | 859.467 | 858.919 | 858.833 |
| 6+080 | 873.550 | 873.550 | 859.625 | 859.716 | 859.458 | 859.844 |
| 6+090 | 873.880 | 873.880 | 859.895 | 859.919 | 859.770 | 860.976 |
| 6+100 | 874.210 | 874.210 | 863.523 | 863.518 | 860.375 | 861.442 |
| 6+110 | 874.540 | 874.540 | 863.857 | 863.784 | 862.368 | 863.441 |
| 6+120 | 874.870 | 874.870 | 863.357 | 862.829 | 863.736 | 862.341 |
| 6+130 | 875.200 | 875.200 | 862.188 | 860.321 | 863.901 | 858.903 |
| 6+140 | 875.530 | 875.530 | 861.032 | 861.154 | 861.124 | 864.027 |
| 6+150 | 875.860 | 875.860 | 864.630 | 864.776 | 860.382 | 865.141 |
| 6+160 | 876.190 | 876.190 | 865.938 | 866.183 | 864.929 | 865.861 |
| 6+170 | 876.520 | 876.520 | 866.754 | 866.830 | 866.175 | 866.653 |
| 6+180 | 876.850 | 876.850 | 867.272 | 867.322 | 866.525 | 867.083 |
| 6+190 | 877.180 | 877.180 | 867.561 | 867.544 | 866.466 | 867.521 |
| 6+200 | 877.510 | 877.510 | 867.854 | 867.880 | 866.722 | 868.101 |
| 6+210 | 877.840 | 877.840 | 867.964 | 868.101 | 866.771 | 868.514 |
| 6+220 | 878.170 | 878.170 | 868.088 | 868.334 | 866.843 | 868.813 |
| 6+230 | 878.500 | 878.500 | 868.432 | 868.552 | 867.166 | 869.197 |
| 6+240 | 878.830 | 878.830 | 868.647 | 868.777 | 867.593 | 869.447 |
| 6+250 | 879.160 | 879.160 | 868.797 | 868.987 | 867.931 | 869.946 |
| 6+260 | 879.490 | 879.490 | 868.947 | 869.176 | 868.150 | 870.193 |
| 6+270 | 879.820 | 879.820 | 869.176 | 869.564 | 868.341 | 871.185 |
| 6+280 | 880.150 | 880.150 | 869.848 | 870.427 | 868.548 | 872.022 |
| 6+290 | 880.480 | 880.480 | 870.634 | 870.881 | 869.070 | 872.298 |
| 6+300 | 880.810 | 880.810 | 870.777 | 871.078 | 869.548 | 872.606 |
| 6+310 | 881.140 | 881.140 | 871.276 | 871.644 | 869.807 | 873.041 |
| 6+320 | 881.470 | 881.470 | 871.735 | 872.199 | 870.326 | 873.421 |
| 6+330 | 881.800 | 881.800 | 872.195 | 872.537 | 870.645 | 873.946 |
| 6+340 | 882.130 | 882.130 | 872.862 | 873.154 | 871.057 | 874.596 |
| 6+350 | 882.460 | 882.460 | 873.493 | 873.822 | 871.756 | 875.336 |
| 6+360 | 882.790 | 882.790 | 873.849 | 874.310 | 872.296 | 875.757 |
| 6+370 | 883.120 | 883.120 | 874.117 | 874.556 | 872.821 | 876.126 |
| 6+380 | 883.450 | 883.450 | 874.817 | 875.274 | 873.053 | 876.689 |
| 6+390 | 883.780 | 883.780 | 875.541 | 876.030 | 873.353 | 877.515 |
| 6+400 | 884.110 | 884.110 | 876.091 | 876.680 | 873.259 | 878.387 |
| 6+410 | 884.440 | 884.440 | 876.486 | 877.051 | 873.552 | 878.885 |
| 6+420 | 884.770 | 884.770 | 876.980 | 877.461 | 874.274 | 879.419 |
| 6+430 | 885.100 | 885.100 | 877.590 | 877.983 | 875.031 | 880.031 |
| 6+440 | 885.430 | 885.430 | 878.031 | 878.832 | 875.369 | 880.864 |
| 6+450 | 885.760 | 885.760 | 878.708 | 879.433 | 875.492 | 881.337 |
| 6+460 | 886.090 | 886.090 | 878.573 | 879.314 | 876.084 | 881.948 |
| 6+470 | 886.420 | 886.420 | 879.416 | 880.100 | 877.543 | 882.155 |
| 6+480 | 886.750 | 886.750 | 879.973 | 880.602 | 878.027 | 883.222 |
| 6+490 | 887.080 | 887.080 | 880.588 | 881.276 | 878.393 | 883.972 |
| 6+500 | 887.410 | 887.410 | 881.049 | 881.670 | 878.784 | 884.101 |
| 6+510 | 887.740 | 887.740 | 881.229 | 881.953 | 879.203 | 884.567 |
| 6+520 | 888.070 | 888.070 | 881.650 | 882.071 | 879.398 | 884.548 |
| 6+530 | 888.400 | 888.400 | 882.005 | 882.407 | 880.131 | 884.542 |
| 6+540 | 888.730 | 888.730 | 882.733 | 883.062 | 881.189 | 884.867 |
| 6+550 | 889.060 | 889.060 | 883.488 | 883.781 | 882.349 | 885.245 |
| 6+560 | 889.390 | 889.390 | 884.067 | 884.257 | 883.355 | 885.890 |
| 6+570 | 889.720 | 889.720 | 885.418 | 885.755 | 884.305 | 886.681 |
| 6+580 | 890.050 | 890.050 | 887.059 | 887.168 | 886.011 | 887.607 |
| 6+590 | 890.380 | 890.380 | 888.230 | 888.347 | 887.997 | 888.427 |
| 6+600 | 890.710 | 890.710 | 889.325 | 889.325 | 889.525 | 889.410 |
| 6+610 | 891.040 | 891.040 | 890.512 | 890.494 | 890.653 | 890.656 |
| 6+620 | 891.370 | 891.370 | 891.767 | 891.800 | 891.771 | 891.850 |
| 6+630 | 891.700 | 891.700 | 892.780 | 892.822 | 892.512 | 892.833 |
| 6+640 | 892.030 | 892.030 | 893.671 | 893.789 | 893.385 | 893.750 |
| 6+650 | 892.360 | 892.360 | 894.245 | 894.311 | 893.752 | 894.700 |
| 6+660 | 892.690 | 892.690 | 894.632 | 894.750 | 894.117 | 895.109 |
| 6+670 | 893.020 | 893.020 | 894.974 | 895.028 | 894.269 | 895.481 |
| 6+680 | 893.350 | 893.350 | 895.157 | 895.232 | 894.356 | 895.639 |
| 6+690 | 893.680 | 893.680 | 895.112 | 895.216 | 894.378 | 895.788 |
| 6+700 | 894.010 | 894.010 | 894.868 | 895.026 | 894.084 | 895.555 |
| 6+710 | 894.340 | 894.340 | 894.514 | 894.695 | 893.505 | 895.122 |
| 6+720 | 894.670 | 894.670 | 893.494 | 893.865 | 892.665 | 894.429 |
| 6+730 | 895.000 | 895.000 | 892.700 | 892.791 | 891.695 | 893.565 |
| 6+740 | 895.330 | 895.330 | 891.682 | 891.781 | 890.835 | 892.457 |
| 6+750 | 895.660 | 895.660 | 890.758 | 890.860 | 889.768 | 891.440 |
| 6+760 | 895.990 | 895.990 | 889.651 | 889.896 | 888.601 | 890.488 |
| 6+770 | 896.320 | 896.320 | 888.295 | 888.427 | 887.425 | 889.345 |
| 6+780 | 896.650 | 896.650 | 886.739 | 886.865 | 886.115 | 888.127 |
| 6+790 | 896.980 | 896.980 | 885.657 | 885.792 | 884.902 | 886.792 |
| 6+800 | 897.310 | 897.310 | 885.258 | 885.393 | 884.125 | 886.069 |
| 6+810 | 897.640 | 897.640 | 885.066 | 885.236 | 883.642 | 886.318 |
| 6+820 | 897.966 | 897.966 | 885.204 | 885.730 | 884.017 | 886.948 |
| 6+830 | 898.278 | 898.278 | 885.580 | 885.991 | 884.212 | 887.450 |
| 6+840 | 898.578 | 898.578 | 885.950 | 886.302 | 885.055 | 887.889 |
| 6+850 | 898.864 | 898.864 | 886.480 | 886.810 | 885.235 | 888.479 |
| 6+860 | 899.136 | 899.136 | 886.771 | 887.010 | 885.219 | 888.726 |
| 6+870 | 899.395 | 899.395 | 886.488 | 886.862 | 884.214 | 888.629 |
| 6+880 | 899.641 | 899.641 | 886.136 | 886.574 | 883.064 | 888.600 |
| 6+890 | 899.873 | 899.873 | 885.793 | 886.187 | 882.801 | 888.184 |
| 6+900 | 900.091 | 900.091 | 885.694 | 885.894 | 883.149 | 887.176 |
| 6+910 | 900.296 | 900.296 | 885.541 | 885.667 | 883.606 | 886.544 |
| 6+920 | 900.488 | 900.488 | 884.824 | 885.052 | 883.660 | 886.216 |
| 6+930 | 900.666 | 900.666 | 884.273 | 884.407 | 883.621 | 886.184 |
| 6+940 | 900.831 | 900.831 | 885.106 | 885.051 | 884.760 | 886.214 |
| 6+950 | 900.982 | 900.982 | 886.488 | 886.410 | 886.767 | 886.440 |
| 6+960 | 901.120 | 901.120 | 887.980 | 887.827 | 888.207 | 887.012 |
| 6+970 | 901.244 | 901.244 | 889.119 | 889.001 | 889.651 | 887.981 |
| 6+980 | 901.355 | 901.355 | 890.083 | 889.919 | 890.991 | 889.085 |
| 6+990 | 901.452 | 901.452 | 891.109 | 890.970 | 892.217 | 890.137 |
| 7+000 | 901.536 | 901.536 | 892.250 | 891.936 | 893.332 | 891.166 |

HORIZONTAL SCEMATIC

VERTICAL SCEMATIC (LHS): G=3.300 L=936.365m

VERTICAL SCEMATIC (RHS): G=3.300 L=936.365m

SUPERELEVATION (%): e=2.500 e=2.500

TCS DETAILS: TCS-4 TCS-5 TCS-4

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

Consultant: INDIAN TECHNOCRAT LIMITED In Association with Vistaara Infra Consultants New Delhi - 110 070,Ph. : 011-49531100, Email: info@itl.net.in

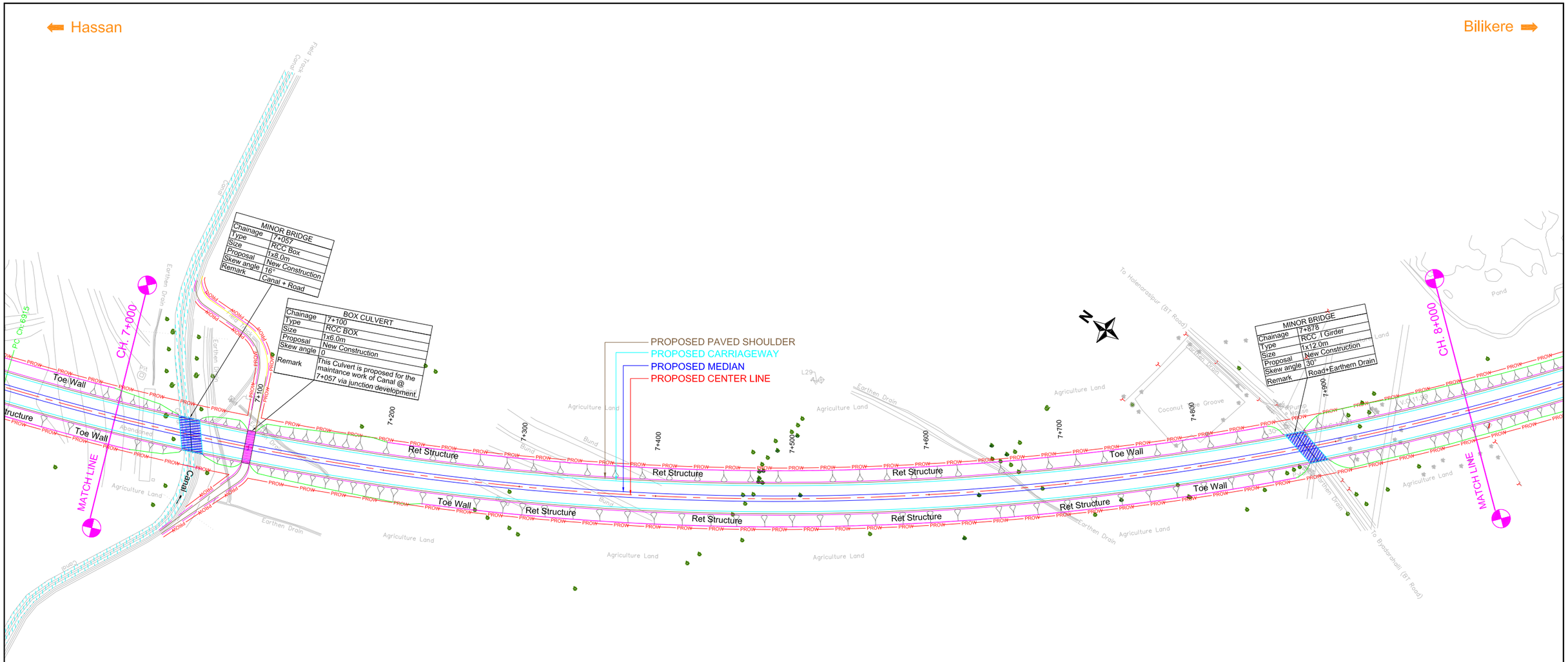
Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: PLAN & PROFILE Km 6+000 to Km 7+000

DRG. NO. 23-102/ITL/NH373/HNP/HW/P&P-07A

DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0

| DESIGN | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| RC | KS | AB | SK |




| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

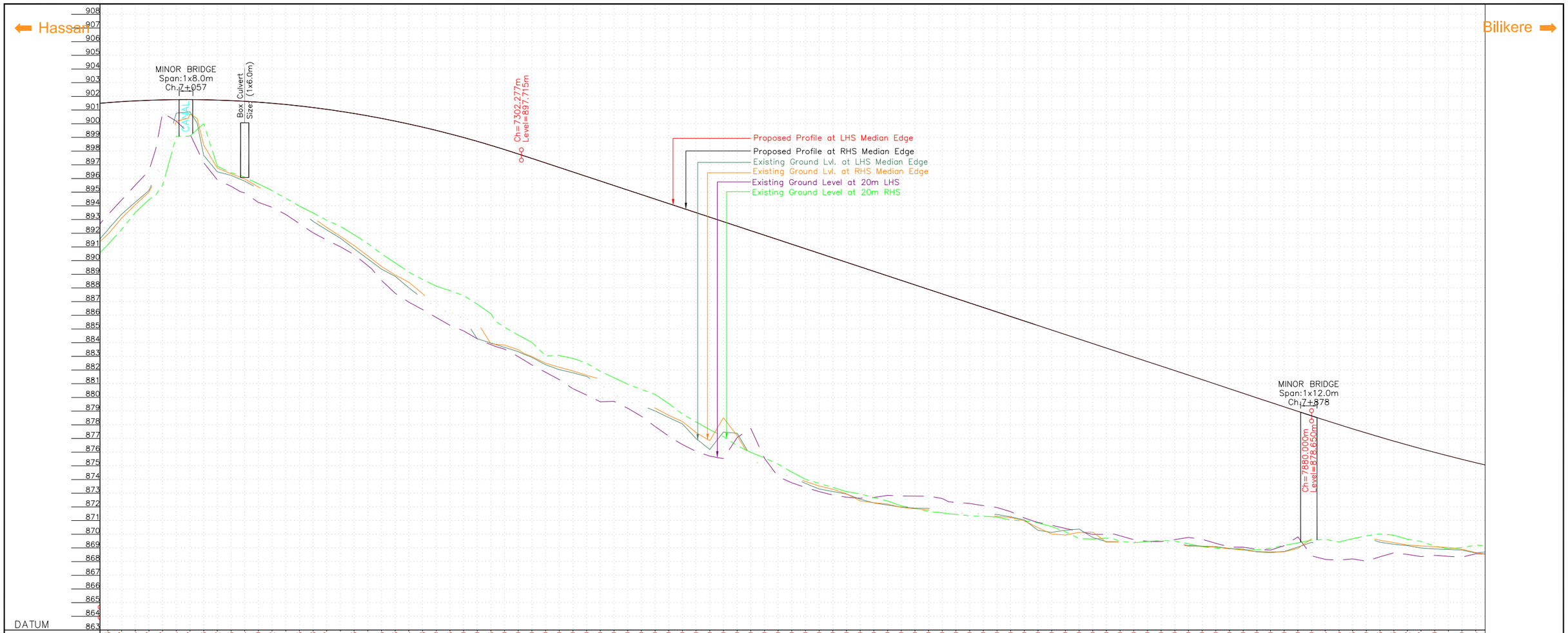
Consultant: INDIAN TECHNOCRAT LIMITED
In Association with
Vistaara Infra Consultants
New Delhi - 110 070,Ph. : 011-49531100,
Email: info@itl.net.in

Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: PLAN & PROFILE
Km 7+000 to Km 8+000

DRG. NO. 23-102/ITL/NH373/HNP/HW/P&P-08

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN | CHECKED AB | APPROVED |




| DESIGN CHAINAGE | FRL AT MEDIAN EDGE (PAVED EDGE) LHS (m) | FRL AT MEDIAN EDGE (PAVED EDGE) RHS (m) | EXISTING GROUND AT LHS MEDIAN EDGE (m) | EXISTING GROUND AT RHS MEDIAN EDGE (m) | EXISTING GROUND LEVEL AT 20m (LHS) | EXISTING GROUND LEVEL AT 20m (RHS) |
|---|---|---|---|---|---|---|
| 7+000 | 901.536 | 901.536 | 892.250 | 891.936 | 893.332 | 891.166 |
| 7+010 | 901.607 | 901.607 | 893.092 | 892.266 | 894.427 | 892.266 |
| 7+020 | 901.664 | 901.664 | 894.076 | 893.502 | 895.504 | 893.502 |
| 7+030 | 901.707 | 901.707 | 894.996 | 894.450 | 896.570 | 894.450 |
| 7+040 | 901.737 | 901.737 | 896.980 | 895.509 | 900.802 | 895.509 |
| 7+050 | 901.754 | 901.754 | 897.359 | 899.070 | 900.186 | 899.070 |
| 7+060 | 901.757 | 901.757 | 900.186 | 899.098 | 900.186 | 899.098 |
| 7+070 | 901.746 | 901.746 | 900.780 | 899.250 | 900.708 | 900.708 |
| 7+080 | 901.722 | 901.722 | 897.687 | 898.439 | 897.687 | 900.002 |
| 7+090 | 901.685 | 901.685 | 896.486 | 896.755 | 896.486 | 896.895 |
| 7+100 | 901.634 | 901.634 | 896.229 | 896.347 | 896.229 | 896.413 |
| 7+110 | 901.570 | 901.570 | 895.806 | 895.965 | 895.806 | 896.078 |
| 7+120 | 901.492 | 901.492 | 895.244 | 895.376 | 895.244 | 894.948 |
| 7+130 | 901.401 | 901.401 | 894.683 | 894.786 | 894.683 | 895.606 |
| 7+140 | 901.296 | 901.296 | 894.260 | 894.231 | 894.260 | 895.101 |
| 7+150 | 901.178 | 901.178 | 893.667 | 893.772 | 893.667 | 894.549 |
| 7+160 | 901.047 | 901.047 | 892.238 | 893.118 | 892.981 | 893.364 |
| 7+170 | 900.901 | 900.901 | 891.627 | 892.416 | 892.697 | 893.984 |
| 7+180 | 900.743 | 900.743 | 890.862 | 891.766 | 892.023 | 892.697 |
| 7+190 | 900.571 | 900.571 | 890.116 | 891.090 | 891.489 | 893.473 |
| 7+200 | 900.385 | 900.385 | 889.375 | 890.337 | 891.005 | 892.943 |
| 7+210 | 900.186 | 900.186 | 888.842 | 889.566 | 891.884 | 892.498 |
| 7+220 | 899.974 | 899.974 | 888.005 | 888.941 | 890.432 | 891.884 |
| 7+230 | 899.748 | 899.748 | 887.231 | 887.575 | 889.629 | 891.239 |
| 7+240 | 899.509 | 899.509 | 886.626 | 886.841 | 888.549 | 890.493 |
| 7+250 | 899.256 | 899.256 | 886.123 | 886.257 | 887.609 | 889.827 |
| 7+260 | 898.990 | 898.990 | 885.799 | 885.803 | 887.438 | 889.152 |
| 7+270 | 898.710 | 898.710 | 885.490 | 884.283 | 884.859 | 886.958 |
| 7+280 | 898.416 | 898.416 | 883.917 | 883.971 | 884.278 | 886.415 |
| 7+290 | 898.110 | 898.110 | 883.815 | 883.655 | 883.850 | 885.842 |
| 7+300 | 897.790 | 897.790 | 883.483 | 883.336 | 883.525 | 885.267 |
| 7+310 | 897.460 | 897.460 | 882.981 | 882.921 | 882.975 | 884.014 |
| 7+320 | 897.130 | 897.130 | 882.495 | 882.383 | 882.367 | 883.031 |
| 7+330 | 896.800 | 896.800 | 882.200 | 882.027 | 881.836 | 883.059 |
| 7+340 | 896.470 | 896.470 | 881.933 | 881.793 | 881.630 | 882.847 |
| 7+350 | 896.140 | 896.140 | 881.608 | 881.528 | 880.669 | 882.499 |
| 7+360 | 895.810 | 895.810 | 881.333 | 880.947 | 879.676 | 881.901 |
| 7+370 | 895.480 | 895.480 | 880.595 | 880.220 | 879.707 | 881.434 |
| 7+380 | 895.150 | 895.150 | 879.866 | 879.700 | 879.205 | 880.960 |
| 7+390 | 894.820 | 894.820 | 879.643 | 879.407 | 878.614 | 880.583 |
| 7+400 | 894.490 | 894.490 | 879.220 | 879.009 | 877.871 | 880.222 |
| 7+410 | 894.160 | 894.160 | 878.690 | 878.527 | 877.166 | 879.543 |
| 7+420 | 893.830 | 893.830 | 878.232 | 878.061 | 876.547 | 878.776 |
| 7+430 | 893.500 | 893.500 | 877.426 | 876.988 | 876.052 | 878.209 |
| 7+440 | 893.170 | 893.170 | 876.834 | 876.186 | 875.704 | 877.640 |
| 7+450 | 892.840 | 892.840 | 876.514 | 877.464 | 875.521 | 877.134 |
| 7+460 | 892.510 | 892.510 | 877.200 | 877.378 | 877.065 | 876.469 |
| 7+470 | 892.180 | 892.180 | 875.565 | 875.693 | 877.732 | 875.982 |
| 7+480 | 888.880 | 888.880 | 872.198 | 872.129 | 875.541 | 872.427 |
| 7+490 | 888.550 | 888.550 | 871.953 | 871.982 | 874.864 | 872.069 |
| 7+500 | 888.220 | 888.220 | 871.867 | 871.902 | 874.554 | 871.892 |
| 7+510 | 887.890 | 887.890 | 871.774 | 871.889 | 874.237 | 871.653 |
| 7+520 | 887.560 | 887.560 | 871.617 | 871.802 | 874.134 | 871.564 |
| 7+530 | 887.230 | 887.230 | 871.535 | 871.584 | 873.755 | 871.447 |
| 7+540 | 886.900 | 886.900 | 871.462 | 871.474 | 874.012 | 871.343 |
| 7+550 | 886.570 | 886.570 | 871.460 | 871.486 | 873.413 | 871.310 |
| 7+560 | 886.240 | 886.240 | 871.294 | 871.433 | 873.112 | 871.243 |
| 7+570 | 885.910 | 885.910 | 871.221 | 871.270 | 872.859 | 871.035 |
| 7+580 | 885.580 | 885.580 | 870.973 | 871.040 | 872.700 | 871.186 |
| 7+590 | 885.250 | 885.250 | 870.477 | 870.282 | 872.623 | 870.951 |
| 7+600 | 884.920 | 884.920 | 870.012 | 870.132 | 872.686 | 870.826 |
| 7+610 | 884.590 | 884.590 | 869.940 | 870.291 | 872.673 | 870.652 |
| 7+620 | 884.260 | 884.260 | 870.134 | 870.370 | 872.427 | 870.423 |
| 7+630 | 883.930 | 883.930 | 870.154 | 869.761 | 872.069 | 870.211 |
| 7+640 | 883.600 | 883.600 | 869.410 | 869.453 | 871.892 | 869.977 |
| 7+650 | 883.270 | 883.270 | 869.422 | 869.446 | 871.653 | 869.645 |
| 7+660 | 882.940 | 882.940 | 869.436 | 869.433 | 871.564 | 869.709 |
| 7+670 | 882.610 | 882.610 | 869.391 | 869.384 | 871.447 | 869.990 |
| 7+680 | 882.280 | 882.280 | 869.371 | 869.382 | 871.343 | 869.880 |
| 7+690 | 881.950 | 881.950 | 869.363 | 869.379 | 871.310 | 869.597 |
| 7+700 | 881.620 | 881.620 | 869.125 | 869.164 | 871.243 | 869.479 |
| 7+710 | 881.290 | 881.290 | 869.105 | 869.130 | 871.035 | 869.464 |
| 7+720 | 880.960 | 880.960 | 869.055 | 869.086 | 870.951 | 869.603 |
| 7+730 | 880.630 | 880.630 | 868.932 | 868.959 | 870.826 | 869.768 |
| 7+740 | 880.300 | 880.300 | 868.871 | 868.908 | 870.652 | 869.297 |
| 7+750 | 879.970 | 879.970 | 868.732 | 868.707 | 870.423 | 869.078 |
| 7+760 | 879.640 | 879.640 | 868.713 | 868.652 | 870.211 | 868.981 |
| 7+770 | 879.310 | 879.310 | 868.714 | 868.737 | 869.977 | 868.946 |
| 7+780 | 878.980 | 878.980 | 868.967 | 869.055 | 869.645 | 868.829 |
| 7+790 | 878.650 | 878.650 | 869.662 | 869.405 | 869.709 | 868.861 |
| 7+800 | 878.324 | 878.324 | 869.196 | 868.983 | 869.621 | 868.834 |
| 7+810 | 878.005 | 878.005 | 869.519 | 869.431 | 869.428 | 868.972 |
| 7+820 | 877.693 | 877.693 | 869.712 | 869.339 | 869.676 | 869.183 |
| 7+830 | 877.389 | 877.389 | 869.776 | 869.744 | 869.824 | 869.366 |
| 7+840 | 877.093 | 877.093 | 869.554 | 869.410 | 870.023 | 869.564 |
| 7+850 | 876.803 | 876.803 | 869.384 | 869.265 | 869.928 | 869.621 |
| 7+860 | 876.522 | 876.522 | 869.212 | 869.165 | 869.634 | 869.428 |
| 7+870 | 876.247 | 876.247 | 869.141 | 868.991 | 869.465 | 868.356 |
| 7+880 | 875.980 | 875.980 | 869.080 | 868.921 | 869.132 | 868.455 |
| 7+890 | 875.721 | 875.721 | 869.023 | 868.886 | 868.927 | 868.378 |
| 7+900 | 875.469 | 875.469 | 868.900 | 868.834 | 869.020 | 868.321 |
| 7+910 | 875.224 | 875.224 | 868.656 | 868.628 | 869.200 | 868.567 |
| 7+920 | | | | | | |
| 7+930 | | | | | | |
| 7+940 | | | | | | |
| 7+950 | | | | | | |
| 7+960 | | | | | | |
| 7+970 | | | | | | |
| 7+980 | | | | | | |
| 7+990 | | | | | | |
| 8+000 | | | | | | |

HORIZONTAL SCEMATIC

VERTICAL SCEMATIC (LHS): L=490.000m R=−7424.256m; L=577.723m G=−3.300

VERTICAL SCEMATIC (RHS): L=490.000m R=−7424.256m; L=577.723m G=−3.300

SUPERELEVATION (%): e=2.500; e=2.500

TCS DETAILS: TCS−4; TCS−4

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

Consultant: INDIAN TECHNOCRAT LIMITED
In Association with
Vistaara Infra Consultants
New Delhi - 110 070,Ph. : 011-49531100,
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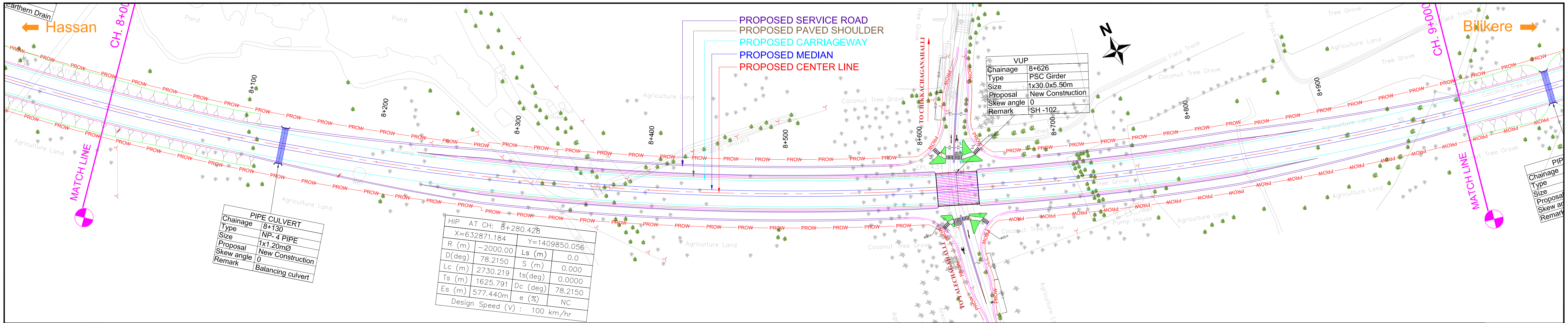
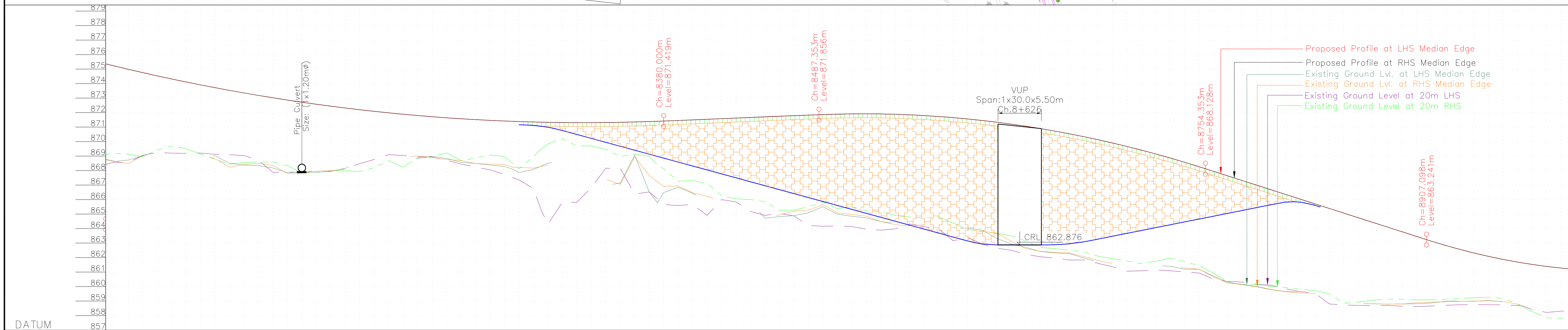
Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: PLAN & PROFILE
Km 7+000 to Km 8+000

DRG. NO. 23−102/ITL/NH373/HNP/HW/P&P−08A

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN KS | CHECKED AB | APPROVED SK |




| DESIGN CHAINAGE | FRL AT MEDIAN EDGE (PAVED EDGE) LHS (m) | FRL AT MEDIAN EDGE (PAVED EDGE) RHS (m) | EXISTING GROUND AT LHS MEDIAN EDGE (m) | EXISTING GROUND AT RHS MEDIAN EDGE (m) | EXISTING GROUND LEVEL AT 20m (LHS) | EXISTING GROUND LEVEL AT 20m (RHS) |
|---|---|---|---|---|---|---|
| 8+000. | 875.224 | 875.224 | 868.628 | 868.656 | 868.567 | 869.200 |
| 8+010. | 874.987 | 874.987 | 868.729 | 868.480 | 868.559 | 869.135 |
| 8+020. | 874.757 | 874.757 | 869.017 | 869.022 | 869.049 | 868.957 |
| 8+030. | 874.534 | 874.534 | 869.150 | 869.177 | 869.256 | 869.409 |
| 8+040. | 874.319 | 874.319 | 869.222 | 869.284 | 869.206 | 869.697 |
| 8+050. | 874.111 | 874.111 | 869.173 | 869.249 | 869.188 | 869.516 |
| 8+060. | 873.911 | 873.911 | 869.140 | 869.136 | 869.211 | 869.142 |
| 8+070. | 873.718 | 873.718 | 869.015 | 868.814 | 869.122 | 868.786 |
| 8+080. | 873.533 | 873.533 | 868.508 | 868.230 | 869.093 | 868.446 |
| 8+090. | 873.355 | 873.355 | 868.375 | 868.428 | 869.045 | 868.562 |
| 8+100. | 873.184 | 873.184 | 868.350 | 868.505 | 868.705 | 868.590 |
| 8+110. | 873.021 | 873.021 | 868.181 | 868.352 | 867.879 | 868.602 |
| 8+120. | 872.865 | 872.865 | 867.850 | 867.804 | 867.908 | 868.344 |
| 8+130. | 872.717 | 872.717 | 867.916 | 867.819 | 867.871 | 867.838 |
| 8+140. | 872.576 | 872.576 | 867.882 | 867.964 | 867.970 | 867.890 |
| 8+150. | 872.443 | 872.443 | 867.943 | 867.979 | 867.966 | 868.000 |
| 8+160. | 872.317 | 872.317 | 868.160 | 868.115 | 868.129 | 867.992 |
| 8+170. | 872.198 | 872.198 | 868.502 | 868.271 | 868.482 | 867.935 |
| 8+180. | 872.087 | 872.087 | 868.579 | 868.496 | 868.771 | 868.206 |
| 8+190. | 871.983 | 871.983 | 868.826 | 868.300 | 869.100 | 868.689 |
| 8+200. | 871.886 | 871.886 | 868.659 | 868.927 | 869.043 | 868.233 |
| 8+210. | 871.797 | 871.797 | 868.833 | 869.012 | 868.954 | 868.891 |
| 8+220. | 871.716 | 871.716 | 868.986 | 868.904 | 868.931 | 868.977 |
| 8+230. | 871.642 | 871.642 | 868.834 | 868.764 | 868.706 | 869.220 |
| 8+240. | 871.575 | 871.575 | 868.565 | 868.696 | 868.454 | 868.675 |
| 8+250. | 871.516 | 871.516 | 868.496 | 868.480 | 868.244 | 868.873 |
| 8+260. | 871.464 | 871.464 | 868.386 | 868.453 | 868.053 | 869.069 |
| 8+270. | 871.419 | 871.419 | 868.285 | 868.416 | 867.742 | 868.979 |
| 8+280. | 871.382 | 871.382 | 867.865 | 868.226 | 867.364 | 868.129 |
| 8+290. | 871.352 | 871.352 | 868.078 | 868.171 | 866.755 | 868.971 |
| 8+300. | 871.330 | 871.330 | 868.515 | 868.398 | 864.300 | 869.827 |
| 8+310. | 871.315 | 871.315 | 868.654 | 869.001 | 865.820 | 870.216 |
| 8+320. | 871.308 | 871.308 | 868.353 | 868.976 | 865.806 | 869.693 |
| 8+330. | 871.308 | 871.308 | 867.280 | 868.089 | 866.831 | 869.699 |
| 8+340. | 871.315 | 871.315 | 866.993 | 867.405 | 868.163 | 869.461 |
| 8+350. | 871.330 | 871.330 | 867.134 | 867.047 | 868.140 | 868.971 |
| 8+360. | 871.352 | 871.352 | 869.066 | 868.949 | 866.387 | 869.136 |
| 8+370. | 871.382 | 871.382 | 866.524 | 867.666 | 866.528 | 868.989 |
| 8+380. | 871.419 | 871.419 | 866.481 | 866.913 | 865.657 | 868.132 |
| 8+390. | 871.459 | 871.459 | 866.853 | 866.944 | 865.586 | 867.262 |
| 8+400. | 871.500 | 871.500 | 866.442 | 866.474 | 865.669 | 867.317 |
| 8+410. | 871.541 | 871.541 | 865.905 | 866.213 | 864.908 | 867.126 |
| 8+420. | 871.582 | 871.582 | 865.763 | 865.933 | 866.001 | 866.274 |
| 8+430. | 871.622 | 871.622 | 865.782 | 865.846 | 865.843 | 866.051 |
| 8+440. | 871.663 | 871.663 | 865.833 | 865.607 | 865.184 | 866.005 |
| 8+450. | 871.704 | 871.704 | 864.716 | 864.680 | 864.910 | 865.858 |
| 8+460. | 871.745 | 871.745 | 864.827 | 864.944 | 865.047 | 865.261 |
| 8+470. | 871.785 | 871.785 | 864.889 | 865.211 | 864.876 | 865.272 |
| 8+480. | 871.826 | 871.826 | 865.088 | 865.284 | 864.213 | 865.506 |
| 8+490. | 871.866 | 871.866 | 865.513 | 865.654 | 864.163 | 865.832 |
| 8+500. | 871.897 | 871.897 | 864.996 | 865.089 | 864.177 | 865.383 |
| 8+510. | 871.914 | 871.914 | 864.849 | 864.971 | 864.138 | 865.495 |
| 8+520. | 871.917 | 871.917 | 864.739 | 864.862 | 863.965 | 865.243 |
| 8+530. | 871.907 | 871.907 | 864.487 | 864.489 | 863.890 | 865.162 |
| 8+540. | 871.883 | 871.883 | 864.357 | 864.272 | 863.984 | 864.912 |
| 8+550. | 871.846 | 871.846 | 864.435 | 864.184 | 864.315 | 864.795 |
| 8+560. | 871.796 | 871.796 | 864.456 | 864.424 | 864.136 | 864.743 |
| 8+570. | 871.731 | 871.731 | 864.260 | 864.184 | 863.979 | 864.805 |
| 8+580. | 871.654 | 871.654 | 864.048 | 864.019 | 863.164 | 864.376 |
| 8+590. | 871.563 | 871.563 | 864.032 | 863.895 | 863.382 | 863.936 |
| 8+600. | 871.458 | 871.458 | 863.895 | 863.806 | 862.929 | 863.803 |
| 8+610. | 871.340 | 871.340 | 863.331 | 863.699 | 862.642 | 863.696 |
| 8+620. | 871.208 | 871.208 | 862.937 | 863.139 | 862.514 | 863.505 |
| 8+630. | 871.063 | 871.063 | 862.712 | 862.626 | 862.234 | 863.153 |
| 8+640. | 870.904 | 870.904 | 862.427 | 862.443 | 862.062 | 862.705 |
| 8+650. | 870.732 | 870.732 | 862.324 | 862.352 | 861.972 | 862.616 |
| 8+660. | 870.546 | 870.546 | 862.278 | 862.327 | 861.835 | 862.518 |
| 8+670. | 870.347 | 870.347 | 861.981 | 862.073 | 861.834 | 862.414 |
| 8+680. | 870.134 | 870.134 | 861.708 | 861.809 | 861.603 | 862.100 |
| 8+690. | 869.908 | 869.908 | 861.520 | 861.596 | 861.367 | 861.923 |
| 8+700. | 869.668 | 869.668 | 861.370 | 861.451 | 861.063 | 861.771 |
| 8+710. | 869.415 | 869.415 | 861.351 | 861.430 | 861.086 | 861.581 |
| 8+720. | 869.148 | 869.148 | 861.459 | 861.537 | 861.151 | 861.735 |
| 8+730. | 868.868 | 868.868 | 861.409 | 861.515 | 861.097 | 861.967 |
| 8+740. | 868.574 | 868.574 | 861.201 | 861.285 | 861.012 | 861.736 |
| 8+750. | 868.266 | 868.266 | 861.191 | 861.201 | 860.938 | 861.441 |
| 8+760. | 867.948 | 867.948 | 860.723 | 860.668 | 860.515 | 860.913 |
| 8+770. | 867.628 | 867.628 | 860.305 | 860.228 | 860.341 | 860.333 |
| 8+780. | 867.308 | 867.308 | 860.148 | 860.129 | 860.307 | 860.153 |
| 8+790. | 866.988 | 866.988 | 860.007 | 859.978 | 860.171 | 860.138 |
| 8+800. | 866.668 | 866.668 | 859.790 | 859.781 | 860.085 | 860.014 |
| 8+810. | 866.348 | 866.348 | 859.653 | 859.639 | 859.849 | 859.925 |
| 8+820. | 866.028 | 866.028 | 859.635 | 859.569 | 859.658 | 859.813 |
| 8+830. | 865.708 | 865.708 | 859.556 | 859.527 | 859.550 | 859.735 |
| 8+840. | 865.388 | 865.388 | 858.823 | 858.843 | 858.801 | 859.489 |
| 8+850. | 865.068 | 865.068 | 858.849 | 858.846 | 858.732 | 858.858 |
| 8+860. | 864.748 | 864.748 | 858.818 | 858.822 | 858.703 | 858.926 |
| 8+870. | 864.428 | 864.428 | 858.816 | 858.802 | 858.680 | 859.064 |
| 8+880. | 864.108 | 864.108 | 858.791 | 858.796 | 858.709 | 859.140 |
| 8+890. | 863.788 | 863.788 | 858.800 | 858.797 | 858.646 | 859.125 |
| 8+900. | 863.468 | 863.468 | 858.815 | 858.881 | 858.618 | 859.090 |
| 8+910. | 863.149 | 863.149 | 858.870 | 858.924 | 858.659 | 859.089 |
| 8+920. | 862.848 | 862.848 | 858.986 | 858.952 | 858.704 | 859.130 |
| 8+930. | 862.570 | 862.570 | 858.986 | 858.976 | 858.748 | 859.182 |
| 8+940. | 862.315 | 862.315 | 858.988 | 858.994 | 858.752 | 859.227 |
| 8+950. | 862.084 | 862.084 | 859.038 | 859.019 | 858.744 | 859.259 |
| 8+960. | 861.876 | 861.876 | 858.958 | 858.968 | 858.743 | 859.181 |
| 8+970. | 861.691 | 861.691 | 858.748 | 858.790 | 858.695 | 858.794 |
| 8+980. | 861.530 | 861.530 | 858.537 | 858.556 | 858.428 | 858.290 |
| 8+990. | 861.393 | 861.393 | 858.276 | 858.232 | 858.221 | 857.852 |
| 9+000. | 861.278 | 861.278 | 858.073 | 858.019 | 858.304 | 857.805 |

HORIZONTAL SCEMATIC: R=−2000.000m, L=2730.219m

VERTICAL SCEMATIC (LHS): R=13486.390m L=500.000m | G=0.407 L=107.353m | L=267.000m R=−7402.020m | L=152.745m G=−3.200 | R=4273.986m L=167.000m

VERTICAL SCEMATIC (RHS): R=13486.390m L=500.000m | G=0.407 L=107.353m | L=267.000m R=−7402.020m | L=152.745m G=−3.200 | R=4273.986m L=167.000m

SUPERELEVATION (%): e=2.500 | e=2.500

TCS DETAILS: TCS−4 | TCS−1 | TCS−3 | TCS−3 | TCS−4

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

Consultant: INDIAN TECHNOCRAT LIMITED In Association with Vistaara Infra Consultants New Delhi - 110 070, Ph. : 011-49531100, Email: info@itl.net.in

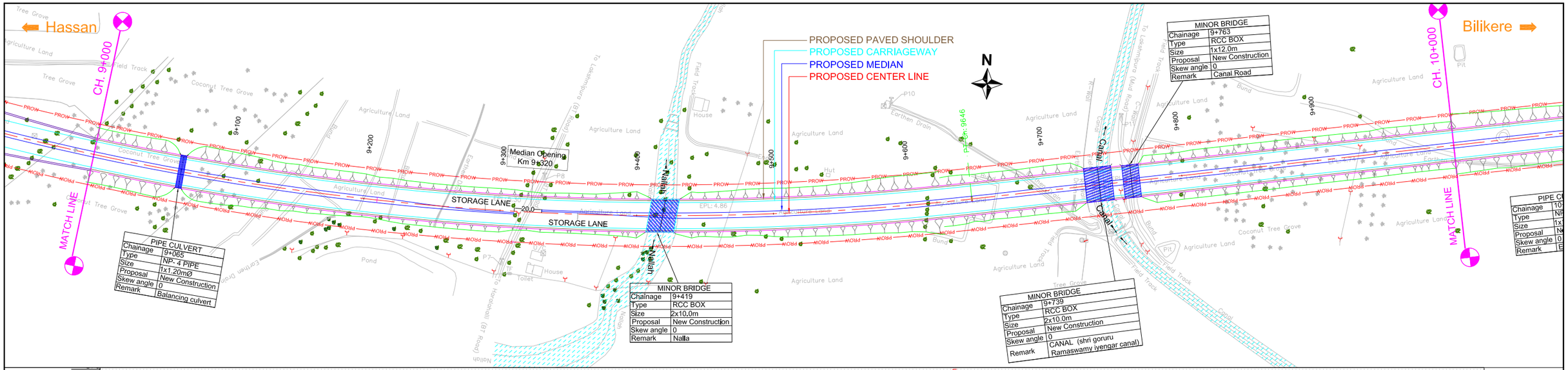
Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

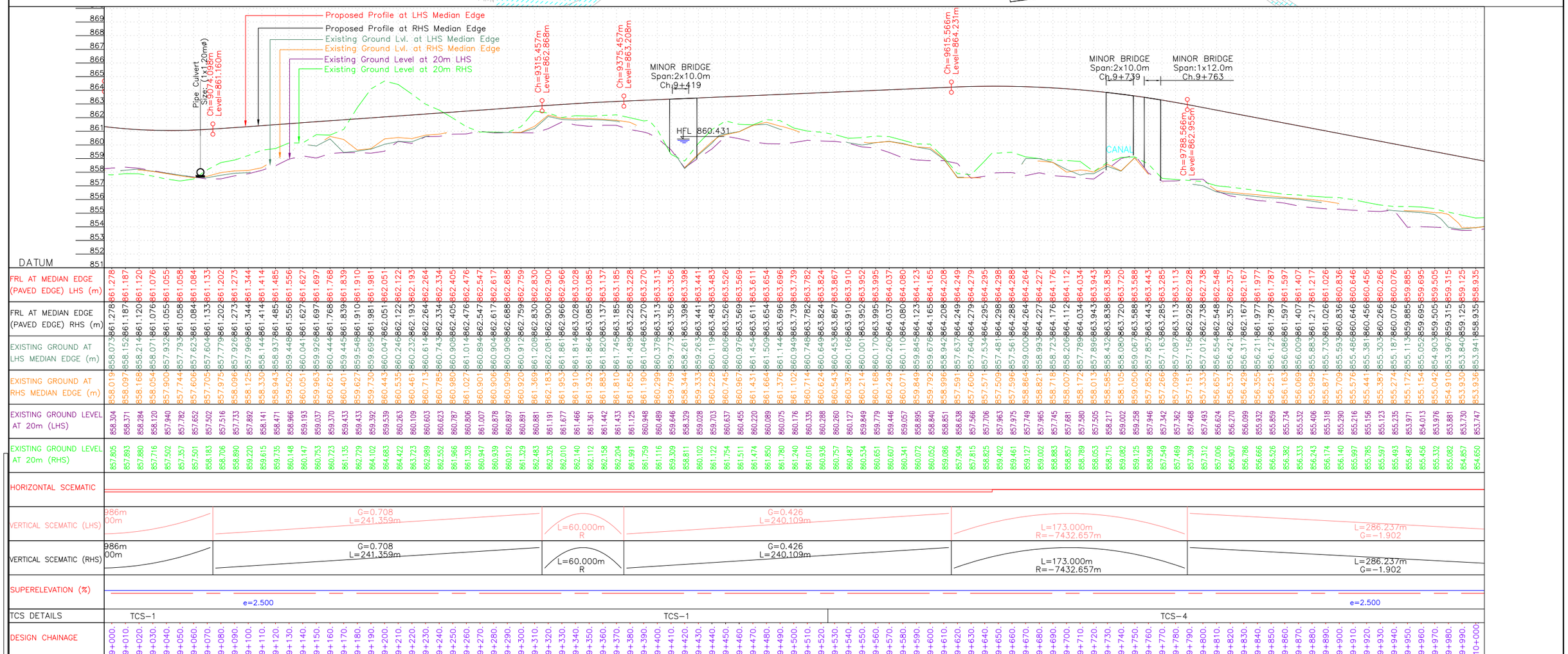
Title: PLAN & PROFILE Km 8+000 to Km 9+000

DRG. NO. 23−102/ITL/NH373/HNP/HW/P&P−09

DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0

DESIGN RC | DRAWN XS | CHECKED AB | APPROVED SK




| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

Consultant: INDIAN TECHNOCRAT LIMITED In Association with Vistaara Infra Consultants New Delhi - 110 070,Ph. : 011-49531100, Email: info@itl.net.in

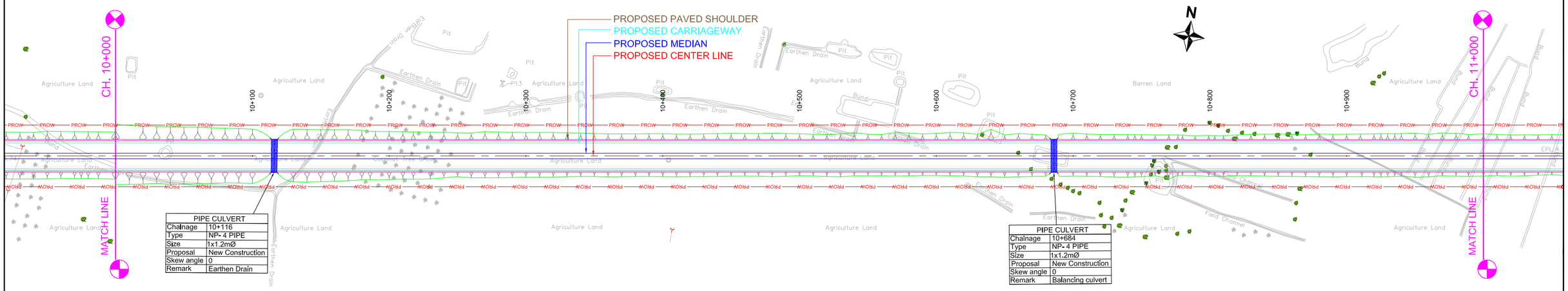
Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: PLAN & PROFILE Km 9+000 to Km 10+000

DRG. NO. 23-102/ITL/NH373/HNP/HW/P&P-10

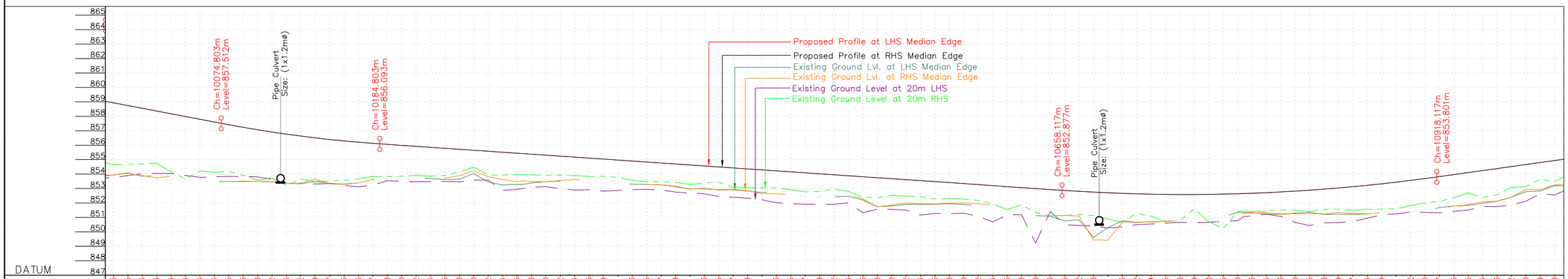
| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN KS | CHECKED AB | APPROVED SK |

Hassan ⬅ ➡ Bilikere




| PIPE CULVERT | |
|---|---|
| Chainage | 10+116 |
| Type | NP- 4 PIPE |
| Size | 1x1.2mØ |
| Proposal | New Construction |
| Skew angle | 0 |
| Remark | Earthen Drain |

| PIPE CULVERT | |
|---|---|
| Chainage | 10+684 |
| Type | NP- 4 PIPE |
| Size | 1x1.2mØ |
| Proposal | New Construction |
| Skew angle | 0 |
| Remark | Balancing culvert |




| DESIGN CHAINAGE | FRL AT MEDIAN EDGE (PAVED EDGE) LHS (m) | FRL AT MEDIAN EDGE (PAVED EDGE) RHS (m) | EXISTING GROUND AT LHS MEDIAN EDGE (m) | EXISTING GROUND AT RHS MEDIAN EDGE (m) | EXISTING GROUND LEVEL AT 20m (LHS) | EXISTING GROUND LEVEL AT 20m (RHS) |
|---|---|---|---|---|---|---|
| 10+000 | 858.935 | 858.935 | 853.941 | 853.936 | 853.747 | 854.650 |
| 10+010 | 858.745 | 858.745 | 853.899 | 853.899 | 853.899 | 854.682 |
| 10+020 | 858.554 | 858.554 | 853.845 | 853.892 | 854.025 | 854.708 |
| 10+030 | 858.364 | 858.364 | 853.910 | 853.749 | 854.038 | 854.740 |
| 10+040 | 858.174 | 858.174 | 853.537 | 853.847 | 854.034 | 854.159 |
| 10+050 | 857.984 | 857.984 | 853.717 | 853.736 | 853.905 | 853.667 |
| 10+060 | 857.794 | 857.794 | 853.638 | 853.756 | 853.775 | 854.211 |
| 10+070 | 857.604 | 857.604 | 853.496 | 853.622 | 853.822 | 854.122 |
| 10+080 | 857.415 | 857.415 | 853.485 | 853.483 | 853.838 | 854.197 |
| 10+090 | 857.236 | 857.236 | 853.504 | 853.484 | 853.830 | 853.910 |
| 10+100 | 857.068 | 857.068 | 853.508 | 853.517 | 853.804 | 853.584 |
| 10+110 | 856.912 | 856.912 | 853.476 | 853.467 | 853.649 | 853.730 |
| 10+120 | 856.766 | 856.766 | 853.359 | 853.355 | 853.363 | 853.231 |
| 10+130 | 856.632 | 856.632 | 853.333 | 853.360 | 853.365 | 853.654 |
| 10+140 | 856.509 | 856.509 | 853.493 | 853.661 | 853.316 | 853.481 |
| 10+150 | 856.397 | 856.397 | 853.358 | 853.316 | 853.347 | 853.524 |
| 10+160 | 856.296 | 856.296 | 853.317 | 853.298 | 853.221 | 853.566 |
| 10+170 | 856.206 | 856.206 | 853.392 | 853.386 | 853.120 | 853.687 |
| 10+180 | 856.127 | 856.127 | 853.592 | 853.637 | 853.242 | 853.835 |
| 10+190 | 856.058 | 856.058 | 853.625 | 853.663 | 853.545 | 853.830 |
| 10+200 | 855.990 | 855.990 | 853.631 | 853.656 | 853.510 | 853.846 |
| 10+210 | 855.922 | 855.922 | 853.649 | 853.697 | 853.467 | 853.893 |
| 10+220 | 855.854 | 855.854 | 853.699 | 853.737 | 853.492 | 853.860 |
| 10+230 | 855.786 | 855.786 | 853.623 | 853.715 | 853.492 | 853.893 |
| 10+240 | 855.718 | 855.718 | 853.657 | 853.892 | 853.460 | 854.152 |
| 10+250 | 855.650 | 855.650 | 854.029 | 854.222 | 853.583 | 854.481 |
| 10+260 | 855.582 | 855.582 | 853.463 | 853.815 | 853.585 | 853.933 |
| 10+270 | 855.514 | 855.514 | 853.255 | 853.629 | 852.871 | 853.939 |
| 10+280 | 855.446 | 855.446 | 853.284 | 853.474 | 852.946 | 853.977 |
| 10+290 | 855.378 | 855.378 | 853.382 | 853.477 | 853.099 | 853.959 |
| 10+300 | 855.310 | 855.310 | 853.477 | 853.474 | 853.126 | 853.916 |
| 10+310 | 855.242 | 855.242 | 853.525 | 853.553 | 852.994 | 853.929 |
| 10+320 | 855.174 | 855.174 | 853.546 | 853.626 | 852.892 | 853.901 |
| 10+330 | 855.106 | 855.106 | 853.555 | 853.636 | 852.922 | 853.833 |
| 10+340 | 855.039 | 855.039 | 853.583 | 853.640 | 852.820 | 853.846 |
| 10+350 | 854.971 | 854.971 | 853.502 | 853.514 | 852.869 | 853.768 |
| 10+360 | 854.903 | 854.903 | 853.297 | 853.299 | 852.924 | 853.571 |
| 10+370 | 854.835 | 854.835 | 853.296 | 853.283 | 852.941 | 853.476 |
| 10+380 | 854.767 | 854.767 | 853.256 | 853.260 | 852.890 | 853.481 |
| 10+390 | 854.699 | 854.699 | 853.125 | 853.153 | 852.756 | 853.437 |
| 10+400 | 854.631 | 854.631 | 852.957 | 852.979 | 852.690 | 853.282 |
| 10+410 | 854.563 | 854.563 | 853.009 | 852.966 | 852.637 | 853.371 |
| 10+420 | 854.495 | 854.495 | 852.905 | 852.930 | 852.452 | 853.455 |
| 10+430 | 854.427 | 854.427 | 852.920 | 852.935 | 852.394 | 853.073 |
| 10+440 | 854.359 | 854.359 | 852.825 | 852.840 | 852.330 | 853.055 |
| 10+450 | 854.291 | 854.291 | 852.723 | 852.650 | 852.218 | 853.035 |
| 10+460 | 854.223 | 854.223 | 852.806 | 852.642 | 852.026 | 852.931 |
| 10+470 | 854.155 | 854.155 | 852.731 | 852.570 | 851.943 | 852.768 |
| 10+480 | 854.087 | 854.087 | 852.430 | 852.466 | 851.918 | 852.794 |
| 10+490 | 854.019 | 854.019 | 852.400 | 852.481 | 851.896 | 852.970 |
| 10+500 | 853.952 | 853.952 | 852.422 | 852.558 | 851.905 | 852.009 |
| 10+510 | 853.884 | 853.884 | 852.473 | 852.579 | 852.797 | 852.397 |
| 10+520 | 853.816 | 853.816 | 852.198 | 852.285 | 852.326 | 852.558 |
| 10+530 | 853.748 | 853.748 | 851.742 | 851.738 | 851.572 | 851.558 |
| 10+540 | 853.680 | 853.680 | 851.789 | 851.847 | 851.513 | 852.012 |
| 10+550 | 853.612 | 853.612 | 851.912 | 851.945 | 851.159 | 852.473 |
| 10+560 | 853.544 | 853.544 | 851.896 | 851.930 | 851.278 | 852.438 |
| 10+570 | 853.476 | 853.476 | 851.916 | 851.995 | 851.271 | 852.279 |
| 10+580 | 853.408 | 853.408 | 851.943 | 852.007 | 851.288 | 852.306 |
| 10+590 | 853.340 | 853.340 | 851.901 | 852.066 | 851.079 | 852.274 |
| 10+600 | 853.272 | 853.272 | 851.804 | 851.955 | 850.688 | 852.184 |
| 10+610 | 853.204 | 853.204 | 851.260 | 851.827 | 851.531 | 851.936 |
| 10+620 | 853.136 | 853.136 | 850.728 | 851.531 | 851.159 | 851.541 |
| 10+630 | 853.068 | 853.068 | 851.114 | 851.200 | 851.872 | 851.200 |
| 10+640 | 853.000 | 853.000 | 851.133 | 851.122 | 849.272 | 851.336 |
| 10+650 | 852.933 | 852.933 | 851.077 | 851.105 | 851.411 | 851.111 |
| 10+660 | 852.865 | 852.865 | 850.766 | 851.144 | 850.499 | 851.139 |
| 10+670 | 852.802 | 852.802 | 850.833 | 851.085 | 850.443 | 851.203 |
| 10+680 | 852.748 | 852.748 | 850.622 | 849.447 | 850.394 | 850.888 |
| 10+690 | 852.701 | 852.701 | 850.301 | 849.433 | 850.273 | 850.679 |
| 10+700 | 852.663 | 852.663 | 850.766 | 850.675 | 850.335 | 850.276 |
| 10+710 | 852.632 | 852.632 | 850.667 | 850.662 | 850.504 | 851.084 |
| 10+720 | 852.609 | 852.609 | 850.688 | 850.705 | 850.547 | 850.739 |
| 10+730 | 852.595 | 852.595 | 850.718 | 850.727 | 850.604 | 850.785 |
| 10+740 | 852.588 | 852.588 | 850.783 | 850.771 | 850.663 | 850.629 |
| 10+750 | 852.589 | 852.589 | 850.785 | 850.804 | 850.632 | 850.711 |
| 10+760 | 852.598 | 852.598 | 850.898 | 851.092 | 850.674 | 850.211 |
| 10+770 | 852.615 | 852.615 | 851.030 | 851.095 | 850.724 | 851.425 |
| 10+780 | 852.640 | 852.640 | 851.347 | 851.262 | 850.777 | 851.415 |
| 10+790 | 852.673 | 852.673 | 851.326 | 851.285 | 851.092 | 851.448 |
| 10+800 | 852.714 | 852.714 | 851.249 | 851.347 | 851.222 | 851.520 |
| 10+810 | 852.763 | 852.763 | 851.232 | 851.247 | 851.068 | 851.497 |
| 10+820 | 852.820 | 852.820 | 851.303 | 851.259 | 850.653 | 851.409 |
| 10+830 | 852.885 | 852.885 | 851.335 | 851.277 | 850.442 | 851.559 |
| 10+840 | 852.958 | 852.958 | 851.220 | 851.236 | 850.625 | 851.574 |
| 10+850 | 853.039 | 853.039 | 851.228 | 851.348 | 850.643 | 851.492 |
| 10+860 | 853.127 | 853.127 | 851.215 | 851.285 | 850.716 | 851.555 |
| 10+870 | 853.224 | 853.224 | 851.244 | 851.253 | 850.951 | 851.572 |
| 10+880 | 853.329 | 853.329 | 851.319 | 851.331 | 851.177 | 851.598 |
| 10+890 | 853.441 | 853.441 | 851.417 | 851.362 | 851.250 | 851.827 |
| 10+900 | 853.562 | 853.562 | 851.433 | 851.493 | 851.375 | 852.004 |
| 10+910 | 853.690 | 853.690 | 851.355 | 851.387 | 851.348 | 852.105 |
| 10+920 | 853.827 | 853.827 | 851.690 | 851.592 | 851.321 | 852.368 |
| 10+930 | 853.966 | 853.966 | 851.794 | 851.792 | 851.422 | 852.688 |
| 10+940 | 854.105 | 854.105 | 851.839 | 851.903 | 851.510 | 852.387 |
| 10+950 | 854.244 | 854.244 | 851.977 | 852.077 | 851.754 | 852.557 |
| 10+960 | 854.383 | 854.383 | 852.122 | 852.119 | 851.862 | 852.402 |
| 10+970 | 854.522 | 854.522 | 852.406 | 852.784 | 852.119 | 852.934 |
| 10+980 | 854.660 | 854.660 | 852.784 | 852.837 | 852.650 | 852.926 |
| 10+990 | 854.799 | 854.799 | 852.837 | 853.210 | 852.555 | 853.247 |
| 11+000 | 854.938 | 854.938 | 853.210 | 853.247 | 853.505 | 853.634 |

HORIZONTAL SCEMATIC: L=2548.491m

VERTICAL SCEMATIC (LHS): R=9000.448m L=110.000m; L=473.314m G=−0.679; R=12567.186m L=260.000m

VERTICAL SCEMATIC (RHS): R=9000.448m L=110.000m; L=473.314m G=−0.679; R=12567.186m L=260.000m

SUPERELEVATION (%): e=2.500; e=2.500

TCS DETAILS: TCS−4; TCS−1; TCS−1

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

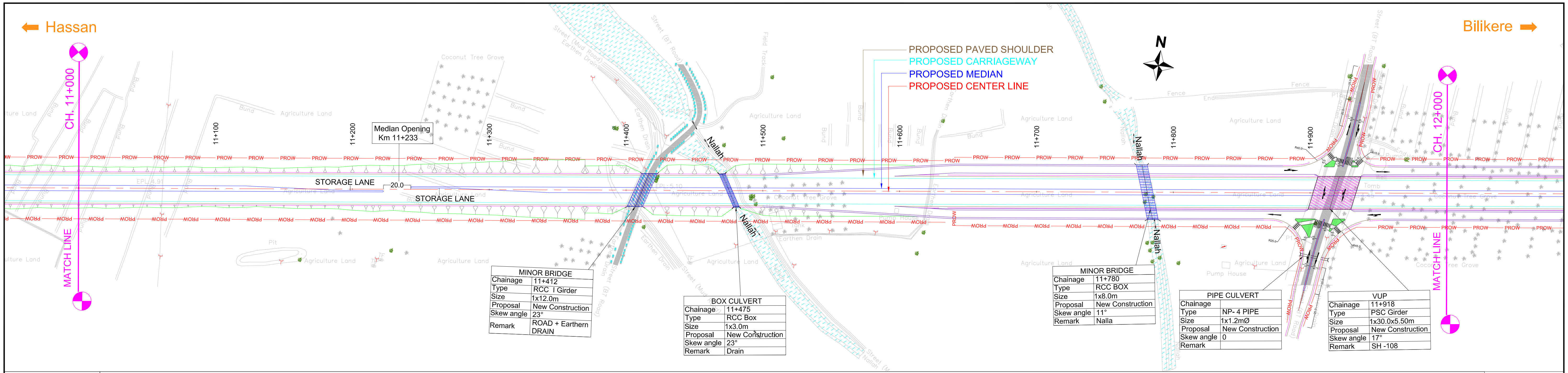
Consultant: INDIAN TECHNOCRAT LIMITED In Association with Vistaara Infra Consultants New Delhi - 110 070,Ph. : 011-49531100, Email: info@itl.net.in

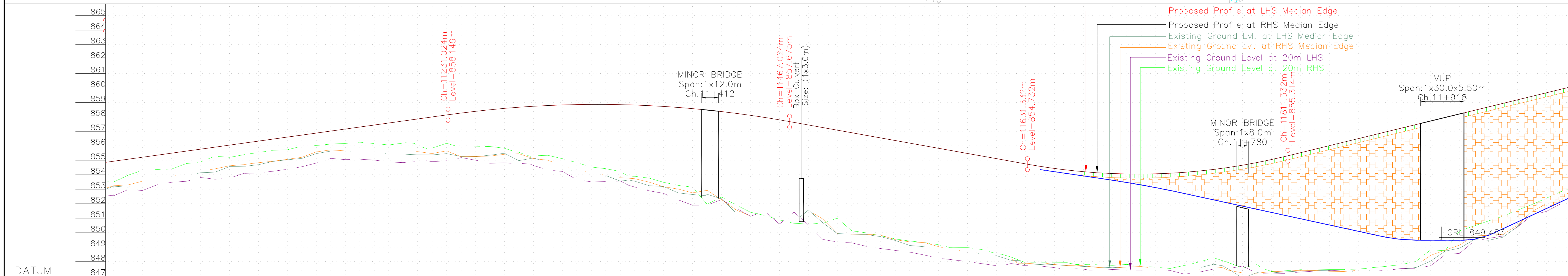
Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: PLAN & PROFILE Km 10+000 to Km 11+000

DRG. NO. 23−102/ITL/NH373/HNP/HW/P&P−11

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN | CHECKED AB | APPROVED |




| DESIGN CHAINAGE | FRL AT MEDIAN EDGE (PAVED EDGE) LHS (m) | FRL AT MEDIAN EDGE (PAVED EDGE) RHS (m) | EXISTING GROUND AT LHS MEDIAN EDGE (m) | EXISTING GROUND AT RHS MEDIAN EDGE (m) | EXISTING GROUND LEVEL AT 20m (LHS) | EXISTING GROUND LEVEL AT 20m (RHS) |
|---|---|---|---|---|---|---|
| 11+000 | 854.938 | 854.938 | 853.210 | 853.247 | 852.555 | 853.505 |
| 11+010 | 855.077 | 855.077 | 853.141 | 853.303 | 852.978 | 853.978 |
| 11+020 | 855.216 | 855.216 | 853.517 | 853.564 | 852.915 | 854.309 |
| 11+030 | 855.355 | 855.355 | 853.763 | 853.758 | 853.306 | 854.370 |
| 11+040 | 855.494 | 855.494 | 853.911 | 853.895 | 853.485 | 854.395 |
| 11+050 | 855.633 | 855.633 | 853.914 | 854.098 | 853.544 | 854.767 |
| 11+060 | 855.772 | 855.772 | 854.144 | 854.273 | 853.817 | 854.888 |
| 11+070 | 855.911 | 855.911 | 854.183 | 854.412 | 853.694 | 855.290 |
| 11+080 | 856.050 | 856.050 | 854.569 | 854.625 | 853.768 | 855.202 |
| 11+090 | 856.189 | 856.189 | 854.591 | 854.704 | 854.102 | 855.389 |
| 11+100 | 856.328 | 856.328 | 854.696 | 854.840 | 854.125 | 855.544 |
| 11+110 | 856.467 | 856.467 | 854.924 | 854.936 | 854.246 | 855.691 |
| 11+120 | 856.606 | 856.606 | 855.036 | 855.073 | 854.381 | 855.729 |
| 11+130 | 856.745 | 856.745 | 855.128 | 855.213 | 854.553 | 855.981 |
| 11+140 | 856.884 | 856.884 | 855.466 | 855.585 | 854.811 | 856.022 |
| 11+150 | 857.023 | 857.023 | 855.641 | 855.721 | 855.130 | 856.121 |
| 11+160 | 857.162 | 857.162 | 855.635 | 855.649 | 855.050 | 856.174 |
| 11+170 | 857.301 | 857.301 | 855.582 | 855.599 | 855.081 | 856.248 |
| 11+180 | 857.440 | 857.440 | 855.473 | 855.500 | 855.015 | 856.162 |
| 11+190 | 857.578 | 857.578 | 855.456 | 855.525 | 854.887 | 856.060 |
| 11+200 | 857.717 | 857.717 | 855.437 | 855.597 | 854.841 | 856.192 |
| 11+210 | 857.856 | 857.856 | 855.384 | 855.600 | 854.915 | 856.015 |
| 11+220 | 857.995 | 857.995 | 855.379 | 855.466 | 854.913 | 855.841 |
| 11+230 | 858.134 | 858.134 | 855.460 | 855.659 | 854.974 | 856.175 |
| 11+240 | 858.268 | 858.268 | 855.265 | 855.247 | 855.194 | 855.986 |
| 11+250 | 858.388 | 858.388 | 855.250 | 855.270 | 855.007 | 855.972 |
| 11+260 | 858.495 | 858.495 | 855.357 | 855.293 | 854.793 | 855.954 |
| 11+270 | 858.588 | 858.588 | 855.484 | 855.418 | 854.831 | 855.835 |
| 11+280 | 858.667 | 858.667 | 854.978 | 855.458 | 854.784 | 855.555 |
| 11+290 | 858.734 | 858.734 | 855.165 | 855.120 | 854.642 | 855.309 |
| 11+300 | 858.786 | 858.786 | 854.847 | 855.008 | 854.335 | 855.345 |
| 11+310 | 858.826 | 858.826 | 854.374 | 854.607 | 854.235 | 855.115 |
| 11+320 | 858.851 | 858.851 | 854.262 | 854.410 | 853.661 | 854.839 |
| 11+330 | 858.864 | 858.864 | 854.190 | 854.102 | 853.511 | 854.540 |
| 11+340 | 858.863 | 858.863 | 853.945 | 853.988 | 853.528 | 854.423 |
| 11+350 | 858.848 | 858.848 | 853.563 | 853.795 | 853.572 | 854.229 |
| 11+360 | 858.820 | 858.820 | 853.562 | 853.730 | 853.157 | 853.896 |
| 11+370 | 858.778 | 858.778 | 853.245 | 853.489 | 852.895 | 853.769 |
| 11+380 | 858.723 | 858.723 | 853.188 | 853.171 | 852.713 | 853.479 |
| 11+390 | 858.655 | 858.655 | 852.749 | 853.016 | 852.267 | 853.271 |
| 11+400 | 858.572 | 858.572 | 852.633 | 852.753 | 851.901 | 853.143 |
| 11+410 | 858.477 | 858.477 | 852.657 | 852.931 | 851.907 | 851.963 |
| 11+420 | 858.368 | 858.368 | 852.334 | 852.281 | 852.282 | 852.458 |
| 11+430 | 858.246 | 858.246 | 851.368 | 851.579 | 851.690 | 851.911 |
| 11+440 | 858.110 | 858.110 | 851.065 | 851.146 | 851.138 | 851.414 |
| 11+450 | 857.960 | 857.960 | 850.890 | 850.880 | 851.491 | 851.187 |
| 11+460 | 857.797 | 857.797 | 850.588 | 850.687 | 850.591 | 850.883 |
| 11+470 | 857.621 | 857.621 | 850.729 | 850.745 | 851.425 | 850.648 |
| 11+480 | 857.442 | 857.442 | 851.567 | 851.545 | 850.540 | 850.594 |
| 11+490 | 857.263 | 857.263 | 850.686 | 850.943 | 849.533 | 850.650 |
| 11+500 | 857.084 | 857.084 | 849.939 | 849.926 | 849.361 | 851.002 |
| 11+510 | 856.905 | 856.905 | 849.902 | 849.899 | 849.294 | 850.126 |
| 11+520 | 856.726 | 856.726 | 849.872 | 849.896 | 849.060 | 849.992 |
| 11+530 | 856.547 | 856.547 | 849.726 | 849.829 | 848.902 | 849.783 |
| 11+540 | 856.368 | 856.368 | 849.459 | 849.516 | 848.774 | 849.568 |
| 11+550 | 856.189 | 856.189 | 849.116 | 849.361 | 848.659 | 849.423 |
| 11+560 | 856.010 | 856.010 | 849.028 | 849.323 | 848.462 | 849.319 |
| 11+570 | 855.830 | 855.830 | 848.914 | 849.035 | 848.235 | 849.163 |
| 11+580 | 855.651 | 855.651 | 848.755 | 848.830 | 848.122 | 848.963 |
| 11+590 | 855.472 | 855.472 | 848.621 | 848.694 | 847.999 | 848.975 |
| 11+600 | 855.293 | 855.293 | 848.543 | 848.555 | 847.859 | 848.829 |
| 11+610 | 855.114 | 855.114 | 848.409 | 848.429 | 847.714 | 848.551 |
| 11+620 | 854.935 | 854.935 | 848.093 | 848.203 | 847.873 | 848.316 |
| 11+630 | 854.756 | 854.756 | 847.754 | 847.857 | 847.721 | 847.923 |
| 11+640 | 854.586 | 854.586 | 847.799 | 847.914 | 847.699 | 847.919 |
| 11+650 | 854.439 | 854.439 | 847.792 | 847.796 | 847.587 | 847.919 |
| 11+660 | 854.315 | 854.315 | 847.715 | 847.725 | 847.469 | 847.898 |
| 11+670 | 854.215 | 854.215 | 847.671 | 847.710 | 847.477 | 847.804 |
| 11+680 | 854.139 | 854.139 | 847.629 | 847.593 | 847.402 | 847.782 |
| 11+690 | 854.086 | 854.086 | 847.581 | 847.554 | 847.453 | 847.743 |
| 11+700 | 854.056 | 854.056 | 847.629 | 847.624 | 847.421 | 847.803 |
| 11+710 | 854.050 | 854.050 | 847.620 | 847.664 | 847.412 | 847.699 |
| 11+720 | 854.067 | 854.067 | 847.497 | 847.518 | 847.432 | 847.614 |
| 11+730 | 854.108 | 854.108 | 847.327 | 847.304 | 847.390 | 847.530 |
| 11+740 | 854.173 | 854.173 | 847.398 | 847.373 | 847.130 | 847.738 |
| 11+750 | 854.261 | 854.261 | 847.568 | 847.462 | 847.272 | 847.973 |
| 11+760 | 854.372 | 854.372 | 847.815 | 847.653 | 847.484 | 848.261 |
| 11+770 | 854.507 | 854.507 | 847.505 | 847.415 | 847.507 | 847.941 |
| 11+780 | 854.665 | 854.665 | 846.859 | 847.216 | 847.696 | 847.569 |
| 11+790 | 854.847 | 854.847 | 847.239 | 847.200 | 847.179 | 847.796 |
| 11+800 | 855.052 | 855.052 | 847.218 | 847.303 | 847.153 | 847.324 |
| 11+810 | 855.281 | 855.281 | 847.295 | 847.344 | 847.174 | 847.372 |
| 11+820 | 855.525 | 855.525 | 847.350 | 847.397 | 847.287 | 847.445 |
| 11+830 | 855.768 | 855.768 | 847.382 | 847.385 | 847.347 | 847.432 |
| 11+840 | 856.012 | 856.012 | 847.371 | 847.332 | 847.393 | 847.450 |
| 11+850 | 856.256 | 856.256 | 847.312 | 847.321 | 847.351 | 847.451 |
| 11+860 | 856.500 | 856.500 | 847.318 | 847.396 | 847.356 | 847.482 |
| 11+870 | 856.743 | 856.743 | 847.402 | 847.484 | 847.342 | 847.585 |
| 11+880 | 856.987 | 856.987 | 847.415 | 847.464 | 847.394 | 847.682 |
| 11+890 | 857.231 | 857.231 | 847.481 | 847.598 | 847.526 | 847.803 |
| 11+900 | 857.474 | 857.474 | 847.597 | 847.738 | 847.542 | 848.028 |
| 11+910 | 857.718 | 857.718 | 848.034 | 848.437 | 847.718 | 848.814 |
| 11+920 | 857.962 | 857.962 | 848.725 | 848.796 | 848.482 | 848.758 |
| 11+930 | 858.206 | 858.206 | 848.929 | 849.142 | 848.575 | 850.127 |
| 11+940 | 858.449 | 858.449 | 849.518 | 849.781 | 849.413 | 850.465 |
| 11+950 | 858.693 | 858.693 | 849.476 | 849.816 | 849.606 | 850.814 |
| 11+960 | 858.937 | 858.937 | 849.688 | 849.891 | 849.765 | 851.139 |
| 11+970 | 859.180 | 859.180 | 850.421 | 850.512 | 850.389 | 851.558 |
| 11+980 | 859.424 | 859.424 | 851.534 | 851.459 | 851.206 | 851.942 |
| 11+990 | 859.668 | 859.668 | 851.922 | 852.012 | 851.473 | 852.389 |
| 12+000 | 859.911 | 859.911 | 852.358 | 852.535 | 852.000 | 852.827 |

HORIZONTAL SCEMATIC

VERTICAL SCEMATIC (LHS): G=1.390 L=312.907m | L=236.000m R=-7420.159m | L=164.307m G=-1.791 | R=4257.257m L=180.000m

VERTICAL SCEMATIC (RHS): G=1.390 L=312.907m | L=236.000m R=-7420.159m | L=164.307m G=-1.791 | R=4257.257m L=180.000m

SUPERELEVATION (%): e=2.500 | e=2.500

TCS DETAILS: TCS-1 | TCS-4 | TCS-3

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

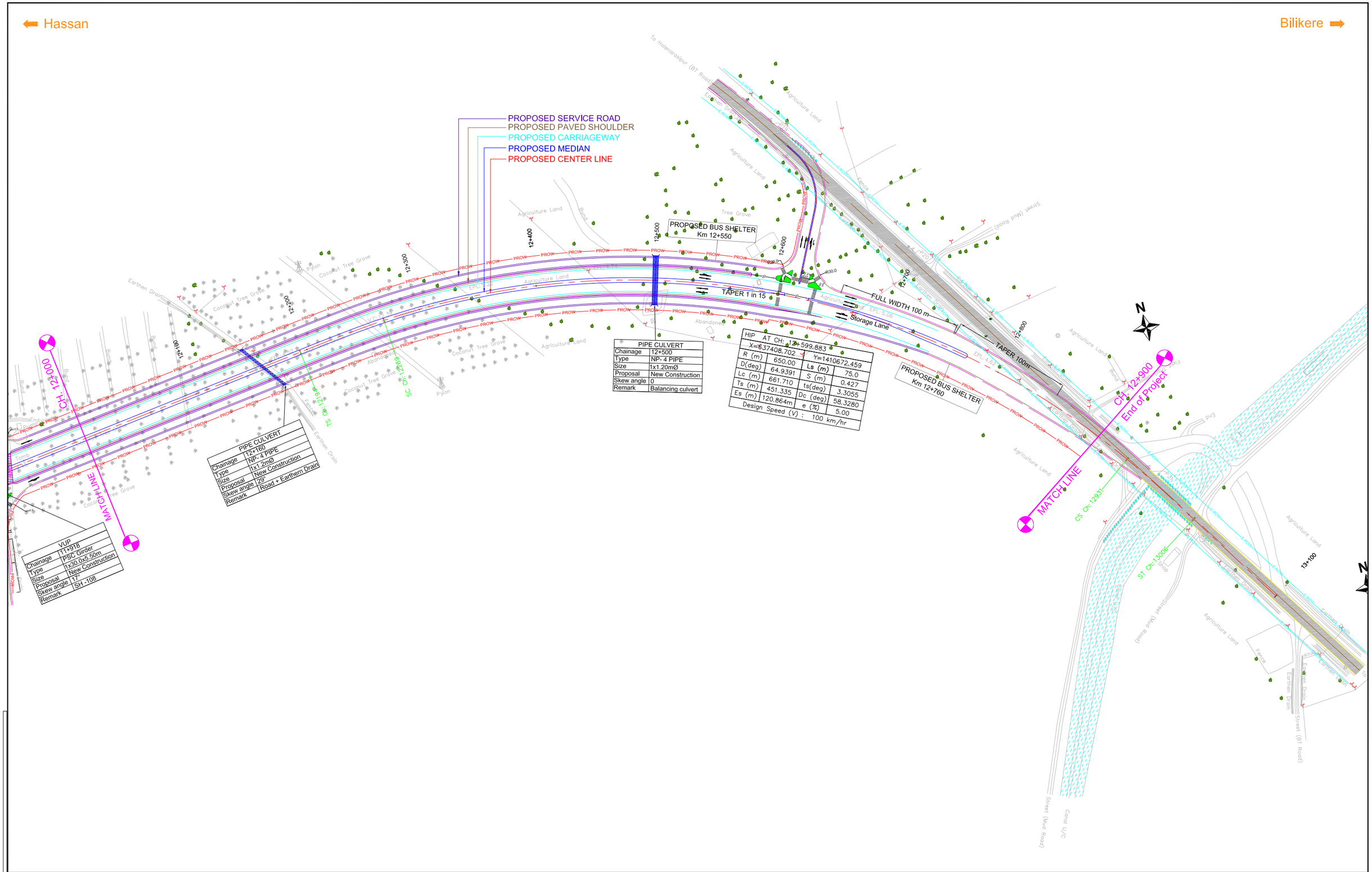
Consultant: INDIAN TECHNOCRAT LIMITED In Association with Vistaara Infra Consultants New Delhi - 110 070,Ph. : 011-49531100, Email: info@itl.net.in

Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: PLAN & PROFILE Km 11+000 to Km 12+000

DRG. NO. 23-102/ITL/NH373/HNP/HW/P&P-12

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN KS | CHECKED AB | APPROVED SK |




| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

Consultant: INDIAN TECHNOCRAT LIMITED
In Association with
Vistaara Infra Consultants
New Delhi - 110 070,Ph. : 011-49531100,
Email: info@itl.net.in

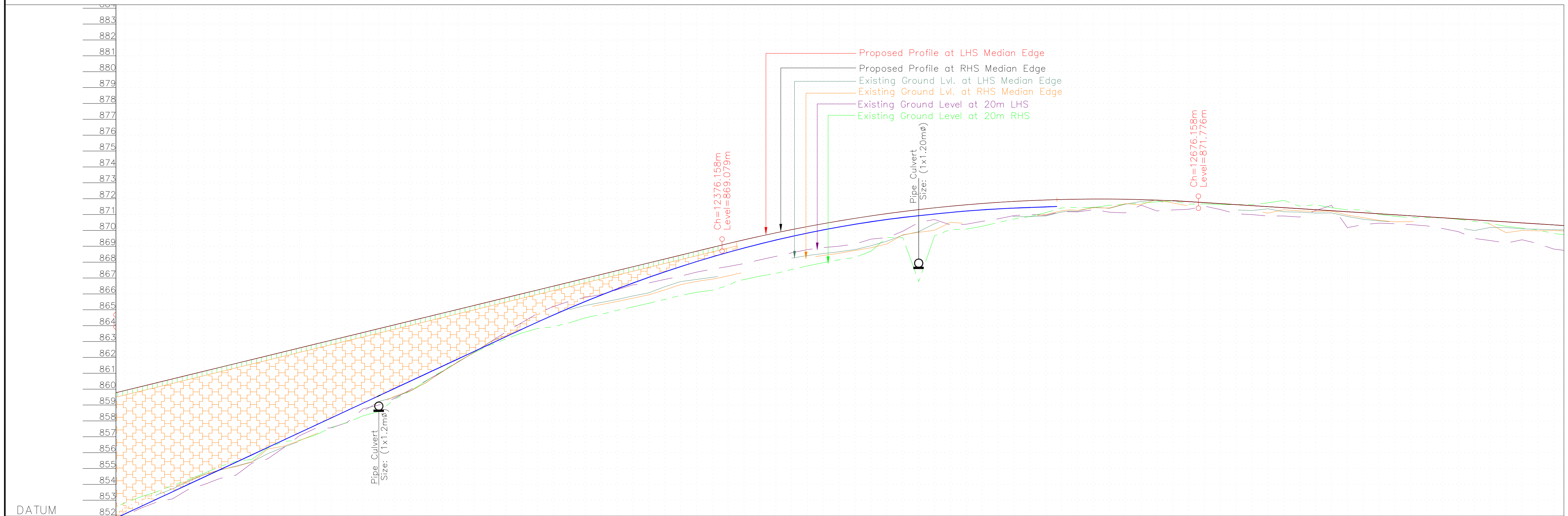
Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: PLAN & PROFILE
Km 12+000 to Km 12+900

DRG. NO. 23–102/ITL/NH373/HNP/HW/P&P–13

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN KS | CHECKED AB | APPROVED SK |

⬅ Hassan                                                                                                    Bilikere ➡




| DESIGN CHAINAGE | FRL AT MEDIAN EDGE (PAVED EDGE) LHS (m) | FRL AT MEDIAN EDGE (PAVED EDGE) RHS (m) | EXISTING GROUND AT LHS MEDIAN EDGE (m) | EXISTING GROUND AT RHS MEDIAN EDGE (m) | EXISTING GROUND LEVEL AT 20m (LHS) | EXISTING GROUND LEVEL AT 20m (RHS) |
|---|---|---|---|---|---|---|
| 12+000 | 859.911 | 859.911 | 852.358 | 852.535 | 852.000 | 852.827 |
| 12+010 | 860.155 | 860.155 | 852.772 | 852.956 | 852.501 | 853.213 |
| 12+020 | 860.399 | 860.399 | 853.333 | 853.407 | 852.882 | 853.528 |
| 12+030 | 860.643 | 860.643 | 853.713 | 853.833 | 853.085 | 853.921 |
| 12+040 | 860.886 | 860.886 | 854.188 | 854.237 | 853.687 | 854.295 |
| 12+050 | 861.130 | 861.130 | 854.610 | 854.619 | 853.993 | 854.695 |
| 12+060 | 861.374 | 861.374 | 854.904 | 854.925 | 854.374 | 855.132 |
| 12+070 | 861.617 | 861.617 | 855.154 | 855.118 | 854.576 | 855.447 |
| 12+080 | 861.861 | 861.861 | 855.417 | 855.398 | 855.328 | 855.577 |
| 12+090 | 862.105 | 862.105 | 855.932 | 856.222 | 855.605 | 856.283 |
| 12+100 | 862.349 | 862.349 | 856.342 | 856.406 | 856.305 | 856.703 |
| 12+110 | 862.592 | 862.592 | 856.717 | 856.749 | 857.062 | 856.775 |
| 12+120 | 862.836 | 862.836 | 857.018 | 857.171 | 857.524 | 857.105 |
| 12+130 | 863.080 | 863.080 | 857.518 | 857.540 | 857.557 | 857.579 |
| 12+140 | 863.323 | 863.323 | 857.757 | 857.873 | 857.898 | 857.887 |
| 12+150 | 863.567 | 863.567 | 858.589 | 858.578 | 858.754 | 858.318 |
| 12+160 | 863.811 | 863.811 | 859.219 | 859.077 | 858.998 | 858.588 |
| 12+170 | 864.055 | 864.055 | 859.499 | 859.552 | 859.424 | 859.359 |
| 12+180 | 864.298 | 864.298 | 859.886 | 859.905 | 859.976 | 859.899 |
| 12+190 | 864.542 | 864.542 | 860.422 | 860.419 | 860.540 | 860.522 |
| 12+200 | 864.786 | 864.786 | 861.115 | 861.085 | 861.107 | 861.142 |
| 12+210 | 865.029 | 865.029 | 861.727 | 861.716 | 861.710 | 861.741 |
| 12+220 | 865.273 | 865.273 | 862.318 | 862.324 | 862.317 | 862.296 |
| 12+230 | 865.517 | 865.517 | 862.959 | 862.979 | 862.963 | 862.765 |
| 12+240 | 865.760 | 865.760 | 863.428 | 863.366 | 863.597 | 863.158 |
| 12+250 | 866.004 | 866.004 | 863.942 | 863.828 | 864.185 | 863.531 |
| 12+260 | 866.248 | 866.248 | 864.469 | 864.355 | 864.774 | 863.818 |
| 12+270 | 866.492 | 866.492 | 864.753 | 864.670 | 865.203 | 863.936 |
| 12+280 | 866.735 | 866.735 | 865.015 | 864.881 | 865.540 | 864.180 |
| 12+290 | 866.979 | 866.979 | 865.267 | 865.127 | 865.786 | 864.493 |
| 12+300 | 867.223 | 867.223 | 865.458 | 865.327 | 865.952 | 864.707 |
| 12+310 | 867.466 | 867.466 | 865.647 | 865.523 | 866.260 | 864.962 |
| 12+320 | 867.710 | 867.710 | 865.870 | 865.730 | 866.569 | 865.178 |
| 12+330 | 867.954 | 867.954 | 866.067 | 865.939 | 866.692 | 865.413 |
| 12+340 | 868.198 | 868.198 | 866.450 | 866.246 | 866.906 | 865.652 |
| 12+350 | 868.441 | 868.441 | 866.772 | 866.587 | 867.116 | 865.901 |
| 12+360 | 868.685 | 868.685 | 866.907 | 866.781 | 867.368 | 866.093 |
| 12+370 | 868.929 | 868.929 | 867.042 | 866.934 | 867.565 | 866.237 |
| 12+380 | 869.172 | 869.172 | 867.244 | 867.133 | 867.724 | 866.524 |
| 12+390 | 869.406 | 869.406 | 867.450 | 867.369 | 867.911 | 866.902 |
| 12+400 | 869.631 | 869.631 | 867.679 | 867.635 | 868.143 | 867.114 |
| 12+410 | 869.845 | 869.845 | 867.964 | 867.915 | 868.363 | 867.290 |
| 12+420 | 870.049 | 870.049 | 868.251 | 868.126 | 868.586 | 867.537 |
| 12+430 | 870.242 | 870.242 | 868.420 | 868.286 | 868.793 | 867.764 |
| 12+440 | 870.426 | 870.426 | 868.540 | 868.420 | 868.914 | 867.964 |
| 12+450 | 870.599 | 870.599 | 868.658 | 868.560 | 869.005 | 868.147 |
| 12+460 | 870.762 | 870.762 | 868.795 | 868.736 | 869.145 | 868.303 |
| 12+470 | 870.914 | 870.914 | 869.039 | 868.908 | 869.452 | 868.695 |
| 12+480 | 871.057 | 871.057 | 869.319 | 869.150 | 869.545 | 869.554 |
| 12+490 | 871.189 | 871.189 | 869.698 | 869.724 | 869.948 | 869.543 |
| 12+500 | 871.311 | 871.311 | 869.915 | 869.881 | 870.501 | 866.775 |
| 12+510 | 871.422 | 871.422 | 870.427 | 870.005 | 870.688 | 869.663 |
| 12+520 | 871.524 | 871.524 | 870.772 | 870.512 | 870.340 | 870.052 |
| 12+530 | 871.615 | 871.615 | 870.555 | 870.432 | 870.391 | 870.075 |
| 12+540 | 871.695 | 871.695 | 870.816 | 870.698 | 870.571 | 870.262 |
| 12+550 | 871.766 | 871.766 | 871.010 | 870.683 | 870.731 | 870.493 |
| 12+560 | 871.826 | 871.826 | 870.866 | 870.724 | 870.931 | 870.720 |
| 12+570 | 871.876 | 871.876 | 870.866 | 870.908 | 870.999 | 870.874 |
| 12+580 | 871.916 | 871.916 | 870.909 | 870.997 | 870.951 | 871.114 |
| 12+590 | 871.946 | 871.946 | 871.158 | 871.231 | 871.188 | 871.414 |
| 12+600 | 871.965 | 871.965 | 871.201 | 871.265 | 871.166 | 871.447 |
| 12+610 | 871.974 | 871.974 | 871.464 | 871.431 | 871.325 | 871.435 |
| 12+620 | 871.973 | 871.973 | 871.389 | 871.409 | 871.145 | 871.587 |
| 12+630 | 871.962 | 871.962 | 871.648 | 871.684 | 871.106 | 871.638 |
| 12+640 | 871.940 | 871.940 | 871.819 | 871.618 | 871.593 | 871.717 |
| 12+650 | 871.908 | 871.908 | 871.900 | 871.927 | 871.227 | 871.800 |
| 12+660 | 871.866 | 871.866 | 871.607 | 871.729 | 871.288 | 871.864 |
| 12+670 | 871.813 | 871.813 | 871.534 | 871.543 | 871.331 | 871.655 |
| 12+680 | 871.751 | 871.751 | 871.670 | 871.504 | 871.527 | 871.674 |
| 12+690 | 871.687 | 871.687 | 871.379 | 871.544 | 871.310 | 871.628 |
| 12+700 | 871.624 | 871.624 | 871.286 | 871.311 | 871.051 | 871.623 |
| 12+710 | 871.560 | 871.560 | 871.251 | 871.271 | 870.995 | 871.635 |
| 12+720 | 871.496 | 871.496 | 871.361 | 871.084 | 870.906 | 871.737 |
| 12+730 | 871.432 | 871.432 | 871.172 | 871.301 | 870.911 | 871.895 |
| 12+740 | 871.368 | 871.368 | 871.153 | 871.235 | 870.842 | 871.520 |
| 12+750 | 871.304 | 871.304 | 871.095 | 871.195 | 871.259 | 871.616 |
| 12+760 | 871.240 | 871.240 | 871.101 | 871.220 | 871.577 | 871.430 |
| 12+770 | 871.176 | 871.176 | 870.881 | 870.965 | 870.172 | 871.292 |
| 12+780 | 871.112 | 871.112 | 870.703 | 870.805 | 870.369 | 871.295 |
| 12+790 | 871.048 | 871.048 | 870.596 | 870.633 | 870.459 | 871.003 |
| 12+800 | 870.985 | 870.985 | 870.531 | 870.543 | 870.420 | 870.888 |
| 12+810 | 870.921 | 870.921 | 870.544 | 870.548 | 870.365 | 870.806 |
| 12+820 | 870.857 | 870.857 | 870.639 | 870.730 | 870.284 | 870.800 |
| 12+830 | 870.793 | 870.793 | 870.310 | 870.761 | 870.118 | 870.791 |
| 12+840 | 870.729 | 870.729 | 870.177 | 870.489 | 869.919 | 870.698 |
| 12+850 | 870.665 | 870.665 | 869.993 | 870.622 | 869.493 | 870.567 |
| 12+860 | 870.601 | 870.601 | 870.184 | 870.384 | 869.360 | 870.429 |
| 12+870 | 870.537 | 870.537 | 870.181 | 869.859 | 869.202 | 870.262 |
| 12+880 | 870.473 | 870.473 | 870.094 | 869.996 | 869.413 | 870.147 |
| 12+890 | 870.409 | 870.409 | 870.069 | 869.970 | 869.166 | 870.030 |
| 12+900 | 870.346 | 870.346 | 870.044 | 869.992 | 868.821 | 869.804 |

HORIZONTAL SCEMATIC: L=75.000m; R=650.000m L=661.710m

VERTICAL SCEMATIC (LHS): G=2.437 L=564.827m; L=300.000m R=−9752.688m; L=242.005m G=−0.639

VERTICAL SCEMATIC (RHS): G=2.437 L=564.827m; L=300.000m R=−9752.688m; L=242.005m G=−0.639

SUPERELEVATION (%): e=2.500; e=5.000; e=5.000

TCS DETAILS: TCS−3; TCS−1

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

Consultant: INDIAN TECHNOCRAT LIMITED
In Association with
Vistaara Infra Consultants
New Delhi - 110 070,Ph. : 011-49531100,
Email: info@itl.net.in

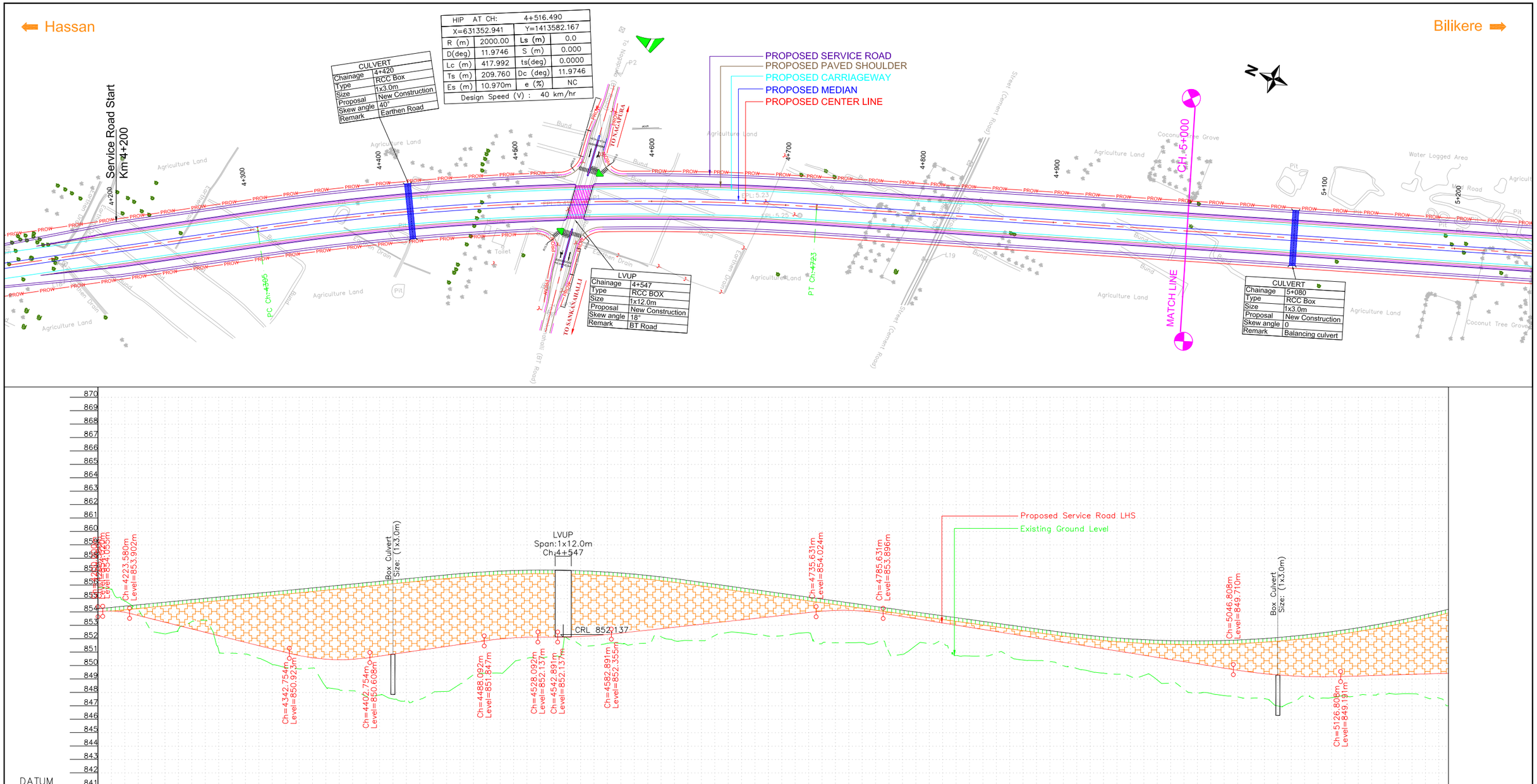
Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: PLAN & PROFILE
Km 12+000 to Km 12+900

DRG. NO. 23−102/ITL/NH373/HNP/HW/P&P−13A

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN XS | CHECKED AB | APPROVED SK |

# SERVICE ROAD
# PLAN & PROFILE (LHS)







| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

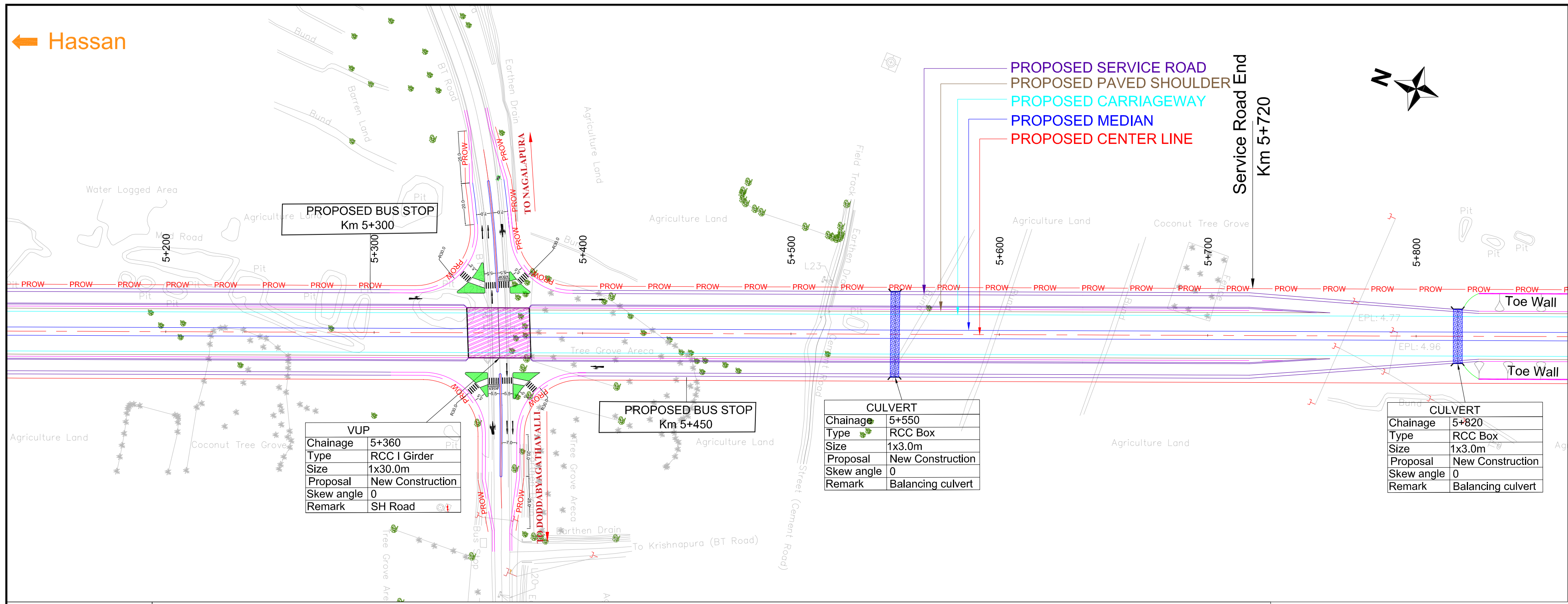
Consultant: INDIAN TECHNOCRAT LIMITED
In Association with
Vistaara Infra Consultants
New Delhi - 110 070,Ph. : 011-49531100,
Email: info@itl.net.in

Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: **PLAN & PROFILE SERVICE ROAD LHS**
**Km 4+200 to Km 5+200**

DRG. NO. 23-102/ITL/NH373/HNP/HW/PP_LSR/01

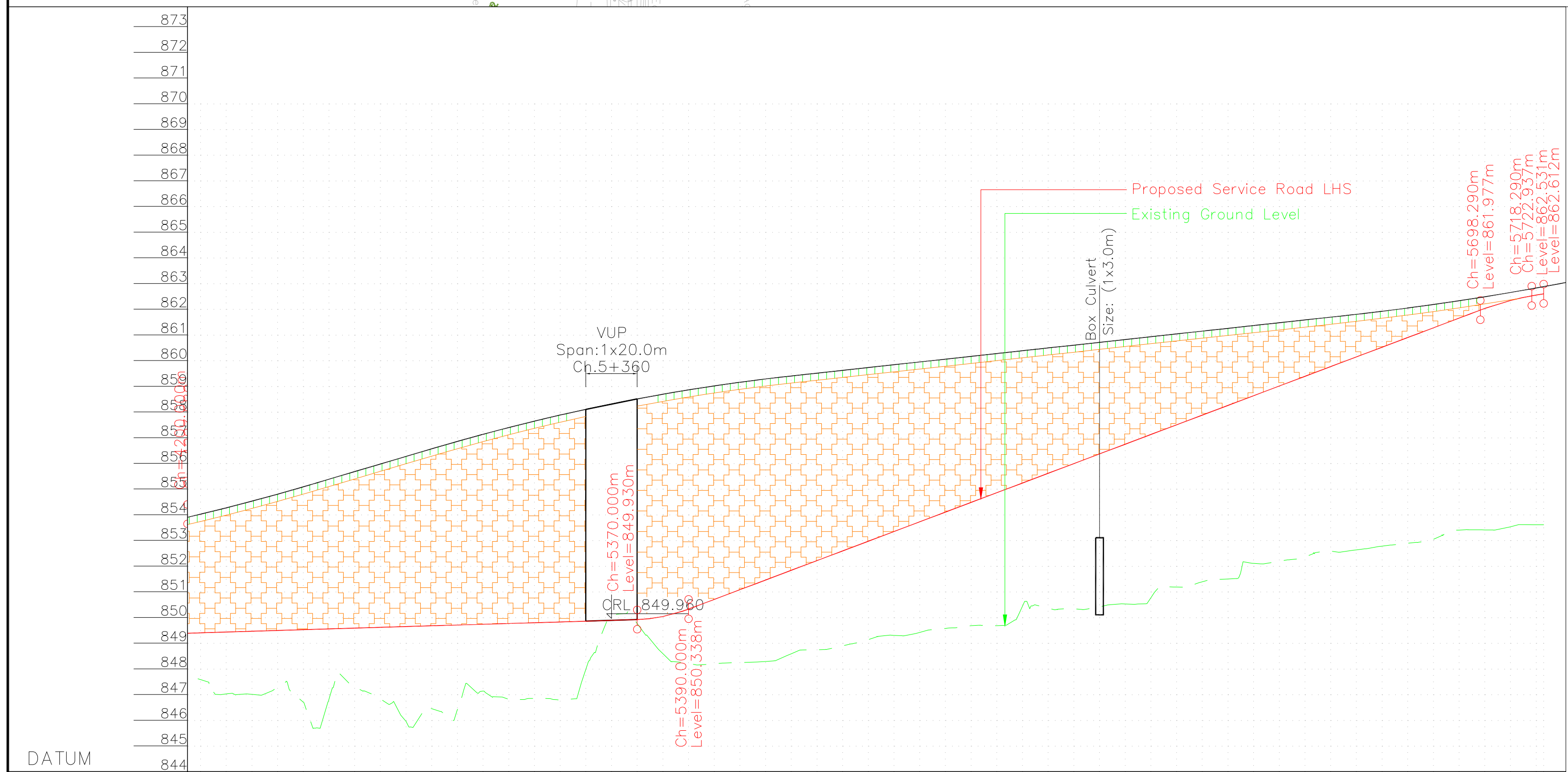
| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN | CHECKED AB | APPROVED |




| VUP | |
|---|---|
| Chainage | 5+360 |
| Type | RCC I Girder |
| Size | 1x30.0m |
| Proposal | New Construction |
| Skew angle | 0 |
| Remark | SH Road |

| CULVERT | |
|---|---|
| Chainage | 5+550 |
| Type | RCC Box |
| Size | 1x3.0m |
| Proposal | New Construction |
| Skew angle | 0 |
| Remark | Balancing culvert |

| CULVERT | |
|---|---|
| Chainage | 5+820 |
| Type | RCC Box |
| Size | 1x3.0m |
| Proposal | New Construction |
| Skew angle | 0 |
| Remark | Balancing culvert |




HORIZONTAL SCEMATIC: L=998.215m

VERTICAL SCEMATIC: G=0.304, L=243.192m; R, L=20.000m; G=3.775, L=308.290m; R, L=20.000m; G, L=4.

SUPERELEVATION (%)

TCS DETAILS: TCS-3; TCS-3

| DESIGN CHAINAGE | SERVICE ROAD INNER EDGE LEVEL LHS | EXISTING GROUND LEVEL AT SERVICE ROAD LHS |
|---|---|---|
| 5+200. | 849.413 | 847.593 |
| 5+210. | 849.444 | 847.035 |
| 5+220. | 849.474 | 847.020 |
| 5+230. | 849.504 | 847.293 |
| 5+240. | 849.535 | 846.714 |
| 5+250. | 849.565 | 846.825 |
| 5+260. | 849.596 | 847.320 |
| 5+270. | 849.626 | 846.840 |
| 5+280. | 849.656 | 845.964 |
| 5+290. | 849.687 | 846.460 |
| 5+300. | 849.717 | 846.424 |
| 5+310. | 849.747 | 847.146 |
| 5+320. | 849.778 | 846.826 |
| 5+330. | 849.808 | 846.861 |
| 5+340. | 849.839 | 846.805 |
| 5+350. | 849.869 | 847.988 |
| 5+360. | 849.899 | 850.002 |
| 5+370. | 849.930 | 849.778 |
| 5+380. | 850.047 | 848.602 |
| 5+390. | 850.338 | 848.224 |
| 5+400. | 850.715 | 848.208 |
| 5+410. | 851.093 | 848.258 |
| 5+420. | 851.470 | 848.300 |
| 5+430. | 851.848 | 848.600 |
| 5+440. | 852.225 | 848.756 |
| 5+450. | 852.603 | 848.908 |
| 5+460. | 852.980 | 849.151 |
| 5+470. | 853.358 | 849.316 |
| 5+480. | 853.735 | 849.431 |
| 5+490. | 854.113 | 849.582 |
| 5+500. | 854.491 | 849.690 |
| 5+510. | 854.868 | 849.694 |
| 5+520. | 855.246 | 850.453 |
| 5+530. | 855.623 | 850.375 |
| 5+540. | 856.001 | 850.350 |
| 5+550. | 856.378 | 850.424 |
| 5+560. | 856.756 | 850.537 |
| 5+570. | 857.133 | 850.778 |
| 5+580. | 857.511 | 851.196 |
| 5+590. | 857.889 | 851.400 |
| 5+600. | 858.266 | 851.510 |
| 5+610. | 858.644 | 852.118 |
| 5+620. | 859.021 | 852.200 |
| 5+630. | 859.399 | 852.362 |
| 5+640. | 859.776 | 852.594 |
| 5+650. | 860.154 | 852.642 |
| 5+660. | 860.531 | 852.790 |
| 5+670. | 860.909 | 852.899 |
| 5+680. | 861.286 | 853.054 |
| 5+690. | 861.664 | 853.414 |
| 5+700. | 862.040 | 853.421 |
| 5+710. | 862.350 | 853.542 |
| 5+720. | 862.561 | 853.621 |
| 5+722.937 | 862.612 | 853.623 |

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

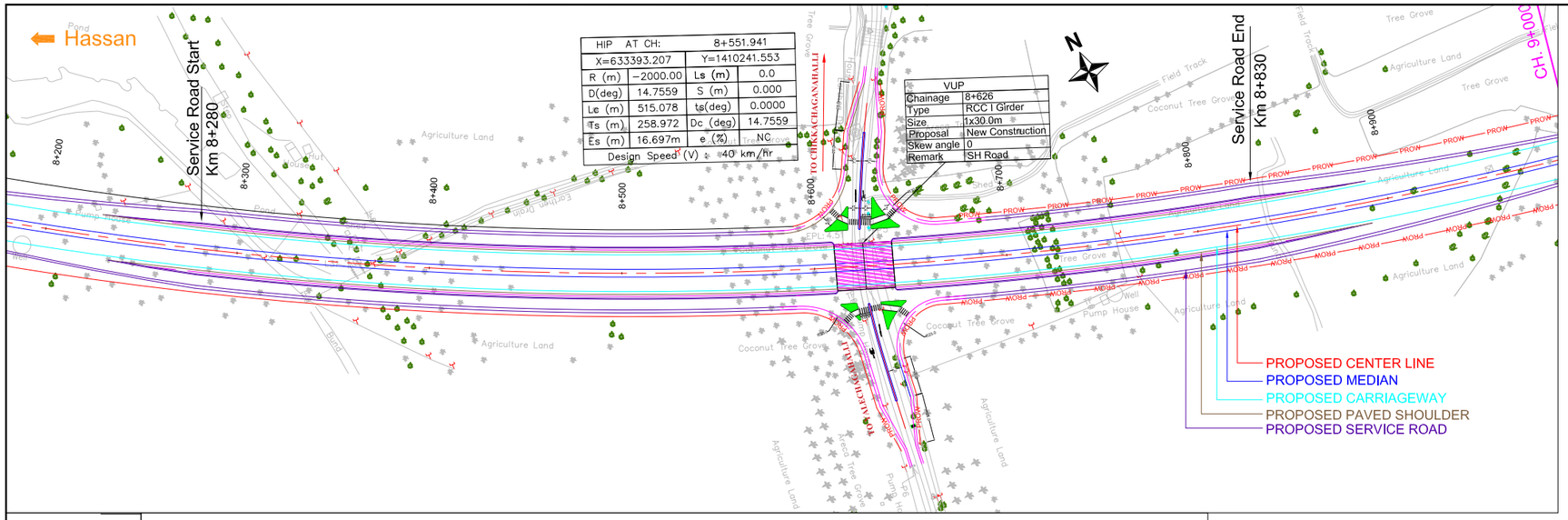
Consultant: INDIAN TECHNOCRAT LIMITED In Association with Vistaara Infra Consultants New Delhi - 110 070,Ph. : 011-49531100, Email: info@itl.net.in

Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: PLAN & PROFILE SERVICE ROAD LHS Km 5+200 to Km 5+720

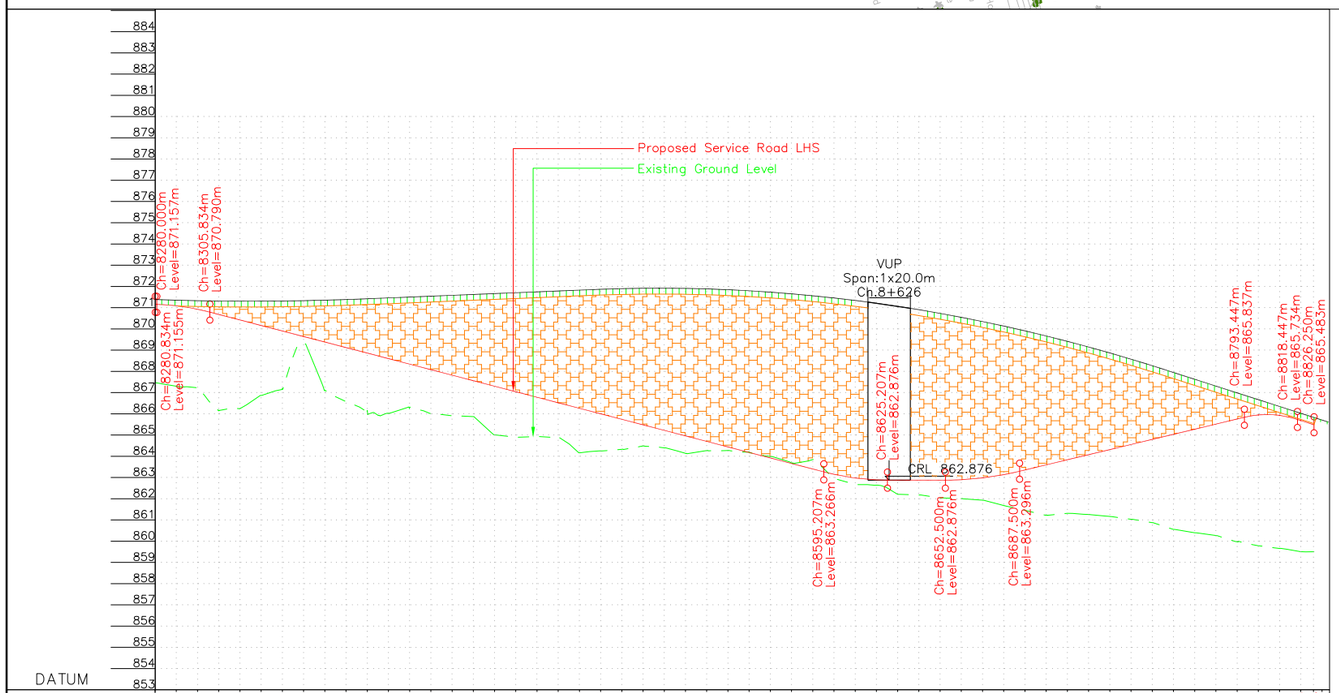
DRG. NO. 23-102/ITL/NH373/HNP/HW/PP_LSR/02

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN KS | CHECKED AB | APPROVED SK |




| HIP AT CH: | | 8+551.941 | |
|---|---|---|---|
| X=633393.207 | | Y=1410241.553 | |
| R (m) | −2000.00 | Ls (m) | 0.0 |
| D(deg) | 14.7559 | S (m) | 0.000 |
| Lc (m) | 515.078 | ts(deg) | 0.0000 |
| Ts (m) | 258.972 | Dc (deg) | 14.7559 |
| Es (m) | 16.697m | e (%) | NC |
| Design Speed (V) : 40 km/hr | | | |

| VUP | |
|---|---|
| Chainage | 8+626 |
| Type | RCC I Girder |
| Size | 1x30.0m |
| Proposal | New Construction |
| Skew angle | 0 |
| Remark | SH Road |




| | |
|---|---|
| SERVICE ROAD INNER EDGE LEVEL LHS | 871.157, 871.087, 870.926, 870.681, 870.421, 870.161, 869.901, 869.641, 869.381, 869.121, 868.861, 868.601, 868.341, 868.081, 867.821, 867.561, 867.301, 867.041, 866.781, 866.521, 866.261, 866.001, 865.741, 865.481, 865.221, 864.961, 864.701, 864.441, 864.181, 863.921, 863.661, 863.401, 863.151, 862.976, 862.888, 862.876, 862.876, 862.895, 862.981, 863.135, 863.356, 863.596, 863.836, 864.075, 864.315, 864.555, 864.795, 865.035, 865.275, 865.515, 865.755, 865.946, 865.926, 865.684, 865.483 |
| EXISTING GROUND LEVEL AT SERVICE ROAD LHS | 867.463, 867.304, 867.248, 867.151, 867.096, 867.169, 867.300, 867.585, 867.145, 867.025, 866.303, 866.026, 865.922, 865.868, 865.010, 864.899, 864.926, 864.881, 864.168, 864.252, 864.329, 864.485, 864.394, 864.137, 864.266, 864.272, 864.192, 863.991, 863.688, 863.843, 862.958, 862.676, 862.640, 862.210, 862.178, 862.043, 862.007, 861.931, 861.678, 861.456, 861.216, 861.315, 861.258, 861.168, 861.035, 860.873, 860.556, 860.398, 860.265, 859.977, 859.787, 859.660, 859.504, 859.504 |
| HORIZONTAL SCEMATIC | L; R=−2000.000m L=515.078m; L |
| VERTICAL SCEMATIC | L=25.000m; L=0.834m; R; G; L=289.373m; G=−2.600; R; L=30.000m; G; L=27.293m; R; L=35.000m; G=2.399; L=105.947m; L=25.000m; R; G; L=7. |
| SUPERELEVATION (%) | |
| TCS DETAILS | TCS−3; TCS−3 |
| DESIGN CHAINAGE | 8+280, 8+290, 8+300, 8+310, 8+320, 8+330, 8+340, 8+350, 8+360, 8+370, 8+380, 8+390, 8+400, 8+410, 8+420, 8+430, 8+440, 8+450, 8+460, 8+470, 8+480, 8+490, 8+500, 8+510, 8+520, 8+530, 8+540, 8+550, 8+560, 8+570, 8+580, 8+590, 8+600, 8+610, 8+620, 8+630, 8+640, 8+650, 8+660, 8+670, 8+680, 8+690, 8+700, 8+710, 8+720, 8+730, 8+740, 8+750, 8+760, 8+770, 8+780, 8+790, 8+800, 8+810, 8+820, 8+826, 8+830 |

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

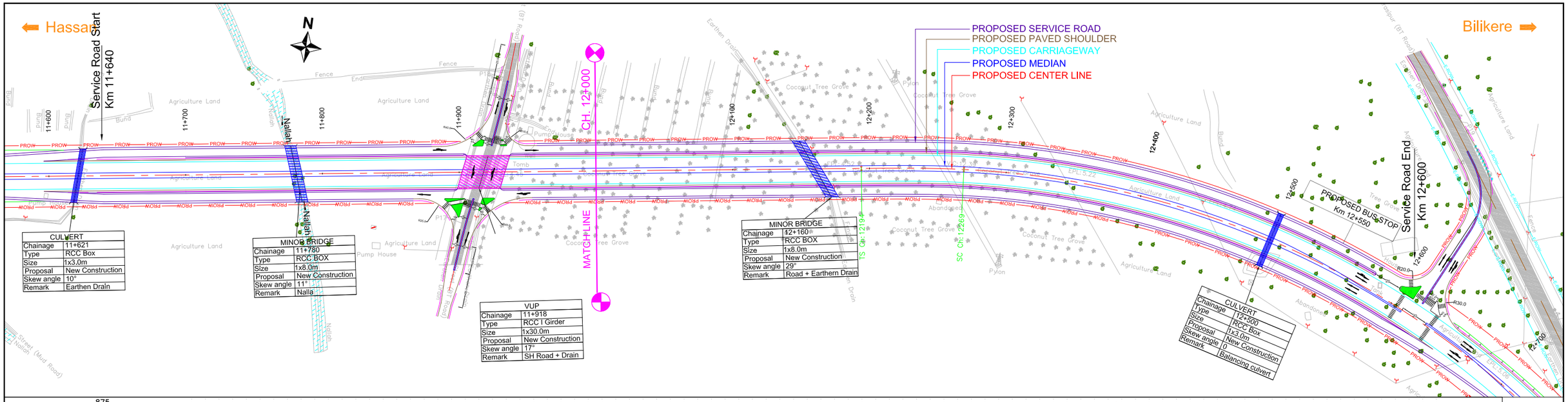
Consultant: INDIAN TECHNOCRAT LIMITED
In Association with
Vistaara Infra Consultants
New Delhi - 110 070,Ph. : 011-49531100,
Email: info@itl.net.in

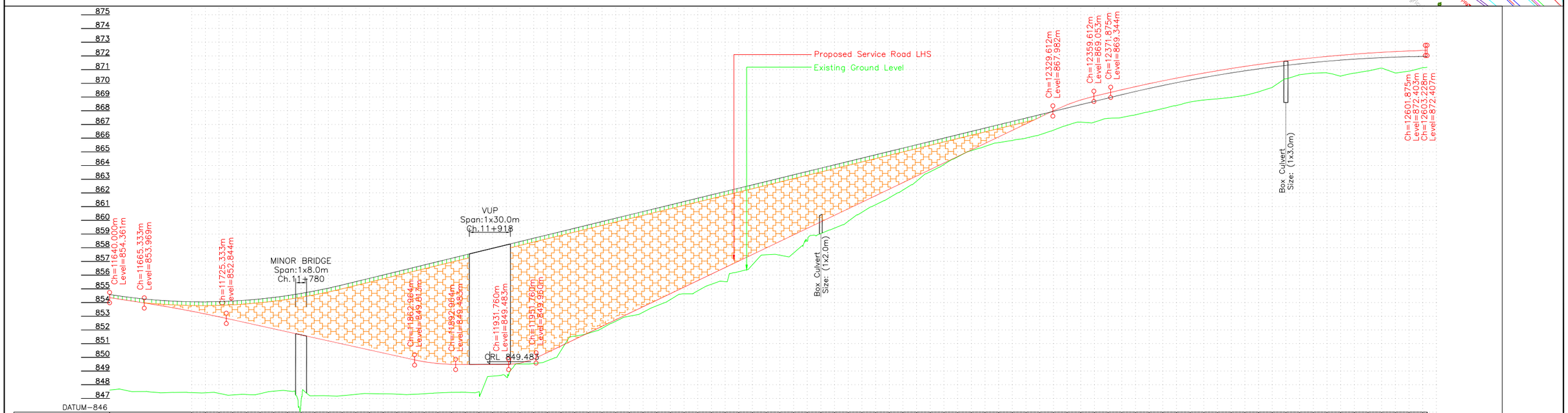
Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: **PLAN & PROFILE SERVICE ROAD LHS**
**Km 8+280 to Km 8+830**

DRG. NO. 23−102/ITL/NH373/HNP/HW/PP_LSR/03

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN KS | CHECKED AB | APPROVED SA |




| | |
|---|---|
| SERVICE ROAD INNER EDGE LEVEL LHS | 854.361, 854.206, 854.051, 853.895, 853.730, 853.554, 853.367, 853.169, 852.960, 852.741, 852.521, 852.301, 852.080, 851.860, 851.640, 851.420, 851.200, 850.980, 850.759, 850.539, 850.319, 850.099, 849.879, 849.677, 849.545, 849.486, 849.483, 849.483, 849.483, 849.483, 849.483, 849.564, 849.880, 850.353, 850.830, 851.307, 851.784, 852.261, 852.738, 853.215, 853.692, 854.169, 854.645, 855.122, 855.599, 856.076, 856.553, 857.030, 857.507, 857.984, 858.461, 858.938, 859.415, 859.892, 860.369, 860.846, 861.323, 861.800, 862.277, 862.754, 863.231, 863.707, 864.184, 864.661, 865.138, 865.615, 866.092, 866.569, 867.046, 867.523, 868.000, 868.434, 868.788, 869.062, 869.300, 869.534, 869.760, 869.976, 870.184, 870.382, 870.571, 870.751, 870.865, 871.084, 871.237, 871.381, 871.516, 871.641, 871.758, 871.865, 871.963, 872.053, 872.133, 872.204, 872.266, 872.319, 872.363, 872.397, 872.407 |
| EXISTING GROUND LEVEL AT SERVICE ROAD LHS | 847.612, 847.627, 847.504, 847.472, 847.437, 847.423, 847.411, 847.371, 847.253, 847.286, 847.348, 847.529, 847.553, 846.798, 847.194, 847.191, 847.198, 847.296, 847.354, 847.335, 847.313, 847.290, 847.342, 847.403, 847.440, 847.444, 847.488, 848.626, 848.578, 849.515, 849.748, 850.501, 851.550, 852.120, 852.639, 853.007, 853.294, 853.761, 854.218, 854.635, 854.855, 855.336, 855.527, 856.252, 856.757, 857.485, 857.456, 857.610, 859.037, 859.431, 859.931, 860.588, 861.141, 861.644, 862.205, 862.862, 863.550, 864.082, 864.631, 865.090, 865.395, 865.671, 865.836, 866.003, 866.243, 866.578, 866.938, 867.165, 867.169, 867.441, 867.512, 867.703, 867.927, 868.154, 868.383, 868.637, 868.783, 868.866, 868.968, 869.123, 869.376, 869.703, 870.335, 870.628, 870.740, 870.756, 870.535, 870.742, 870.902, 871.111, 871.142, 871.173 |
| HORIZONTAL SCEMATIC | R=665.000m; L=362.950m |
| VERTICAL SCEMATIC | L=25.334m, G; L=60.000m, R; L=137.631m, G=−2.202; R, L=30.000m; L=38.796m, G; R, L=20.000m; G=4.769, L=377.852m; L=30.000m, R; G, L=12.262m; L=230.000m, R=−11006.161m; G, L=1.354m |
| SUPERELEVATION (%) | |
| TCS DETAILS | TCS−3; TCS−3 |
| DESIGN CHAINAGE | 11+640, 11+650, 11+660, 11+670, 11+680, 11+690, 11+700, 11+710, 11+720, 11+730, 11+740, 11+750, 11+760, 11+770, 11+780, 11+790, 11+800, 11+810, 11+820, 11+830, 11+840, 11+850, 11+860, 11+870, 11+880, 11+890, 11+900, 11+910, 11+920, 11+930, 11+940, 11+950, 11+960, 11+970, 11+980, 11+990, 12+000, 12+010, 12+020, 12+030, 12+040, 12+050, 12+060, 12+070, 12+080, 12+090, 12+100, 12+110, 12+120, 12+130, 12+140, 12+150, 12+160, 12+170, 12+180, 12+190, 12+200, 12+210, 12+220, 12+230, 12+240, 12+250, 12+260, 12+270, 12+280, 12+290, 12+300, 12+310, 12+320, 12+330, 12+340, 12+350, 12+360, 12+370, 12+380, 12+390, 12+400, 12+410, 12+420, 12+430, 12+440, 12+450, 12+460, 12+470, 12+480, 12+490, 12+500, 12+510, 12+520, 12+530, 12+540, 12+550, 12+560, 12+570, 12+580, 12+590, 12+600 |

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

Consultant: INDIAN TECHNOCRAT LIMITED
In Association with
Vistaara Infra Consultants
New Delhi - 110 070,Ph. : 011-49531100,
Email: info@itl.net.in

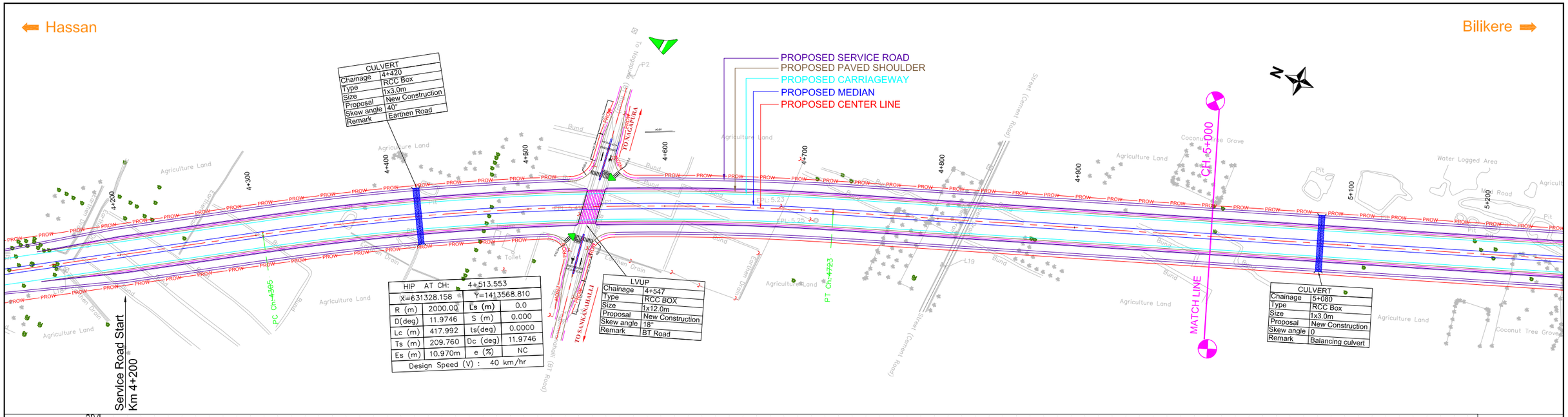
Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

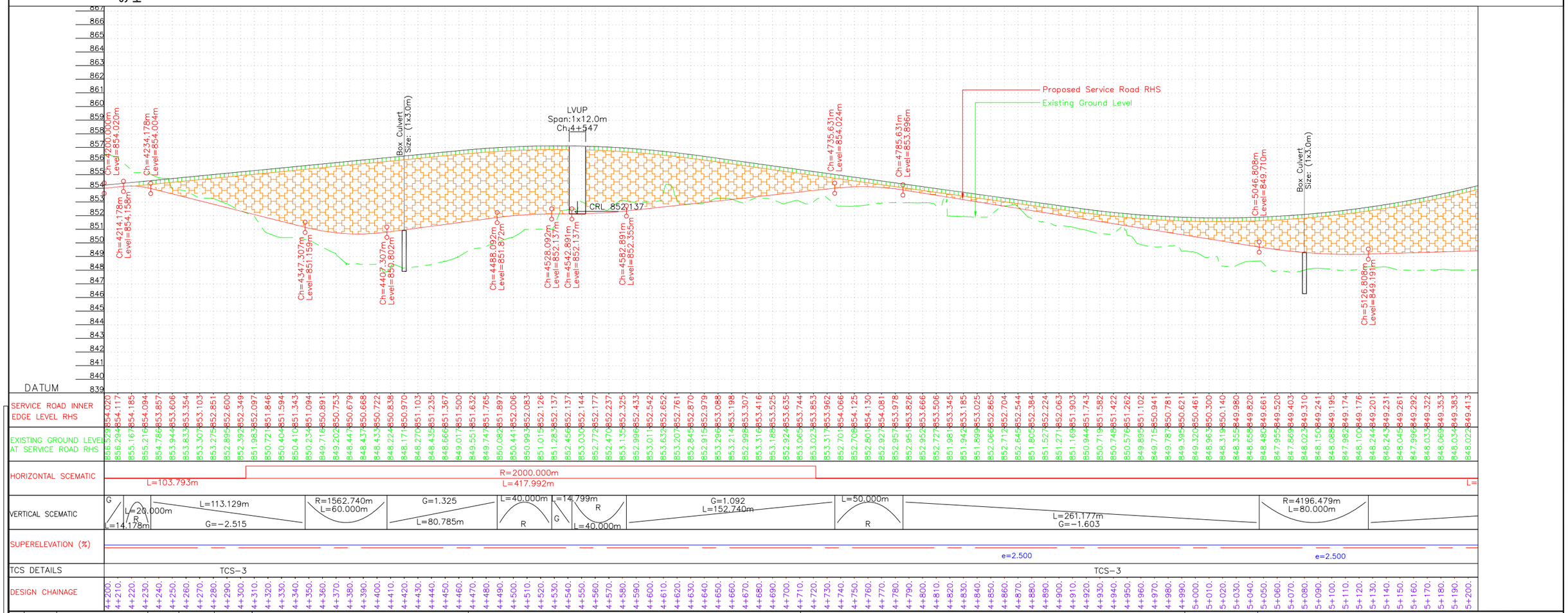
Title: **PLAN & PROFILE SERVICE ROAD LHS**
**Km 11+640 to Km 12+600**

DRG. NO. 23-102/ITL/NH373/HNP/HW/PP_LSR/04

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN KS | CHECKED AB | APPROVED SA |

# SERVICE ROAD
# PLAN & PROFILE (RHS)




| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

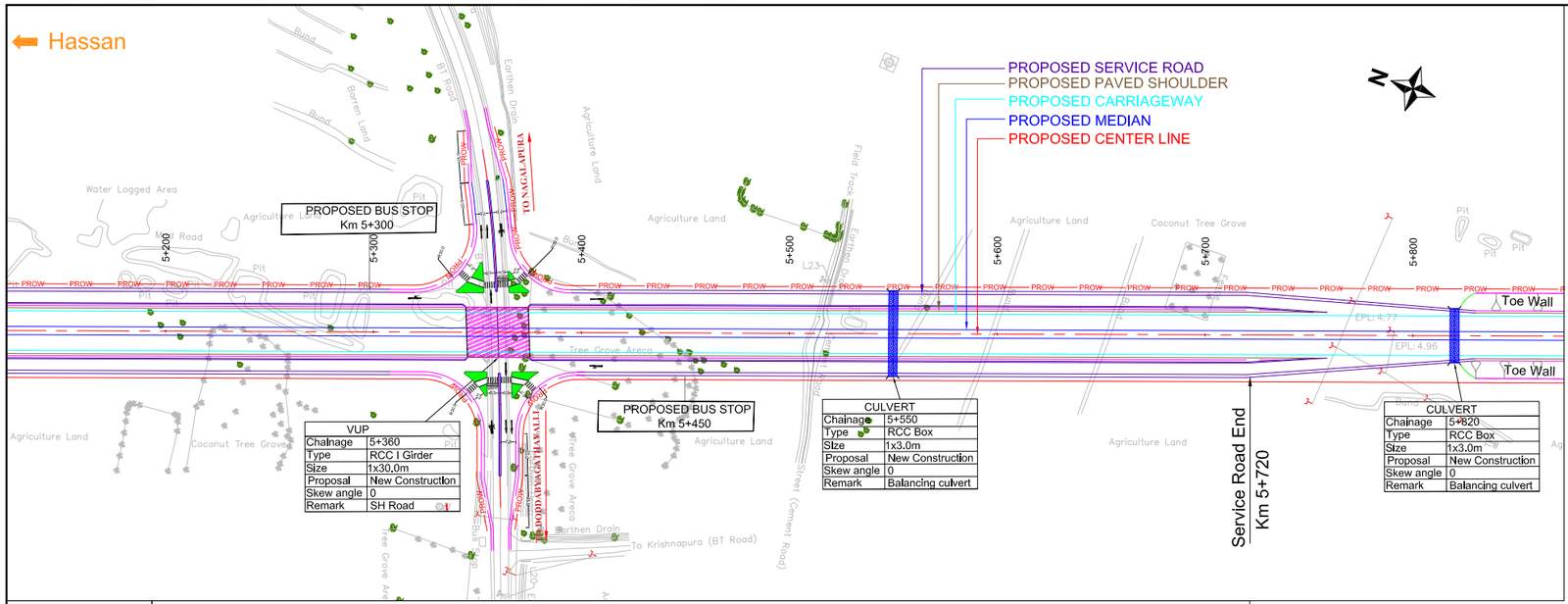
Consultant: INDIAN TECHNOCRAT LIMITED
In Association with
Vistaara Infra Consultants
New Delhi - 110 070,Ph. : 011-49531100,
Email: info@itl.net.in

Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: **PLAN & PROFILE SERVICE ROAD RHS**
**Km 4+200 to Km 5+200**

DRG. NO. 23−102/ITL/NH373/HNP/HW/PP_RSR/01

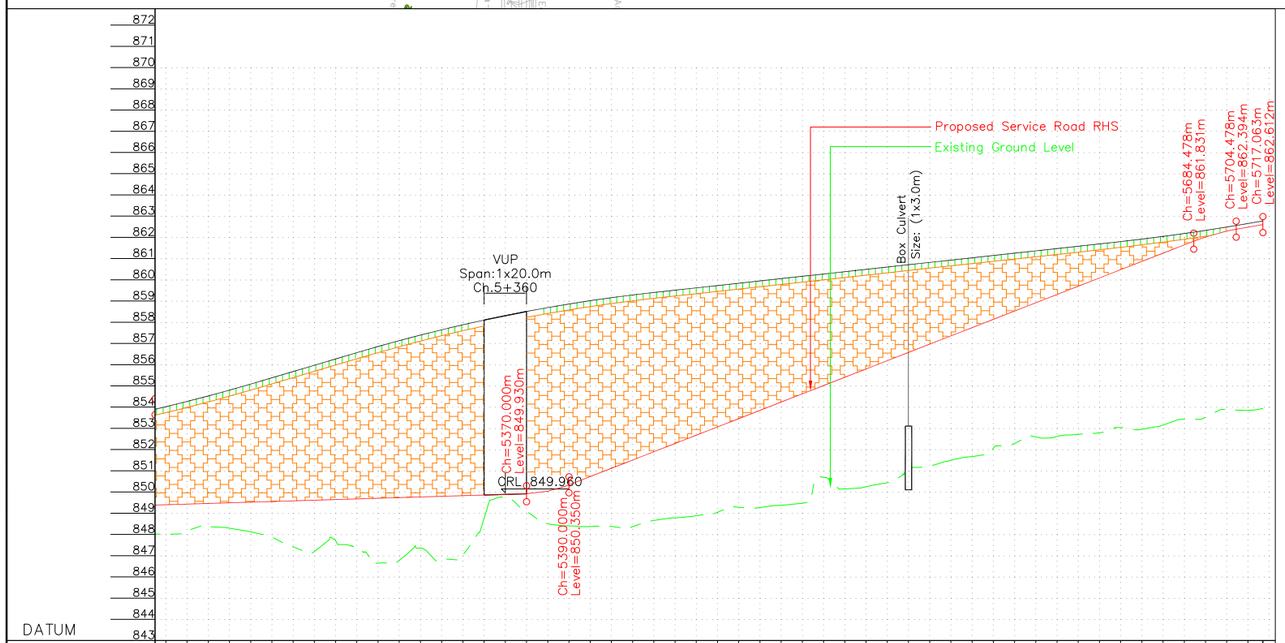
| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN KS | CHECKED AB | APPROVED SA |




| VUP | |
|---|---|
| Chainage | 5+360 |
| Type | RCC I Girder |
| Size | 1x30.0m |
| Proposal | New Construction |
| Skew angle | 0 |
| Remark | SH Road |

| CULVERT | |
|---|---|
| Chainage | 5+550 |
| Type | RCC Box |
| Size | 1x3.0m |
| Proposal | New Construction |
| Skew angle | 0 |
| Remark | Balancing culvert |

| CULVERT | |
|---|---|
| Chainage | 5+820 |
| Type | RCC Box |
| Size | 1x3.0m |
| Proposal | New Construction |
| Skew angle | 0 |
| Remark | Balancing culvert |




| | |
|---|---|
| SERVICE ROAD INNER EDGE LEVEL RHS | 849.413, 849.444, 849.474, 849.504, 849.535, 849.565, 849.596, 849.626, 849.656, 849.687, 849.717, 849.747, 849.778, 849.808, 849.839, 849.869, 849.899, 849.930, 850.050, 850.198, 850.350, 850.740, 851.130, 851.520, 851.909, 852.299, 852.689, 853.079, 853.469, 853.859, 854.249, 854.639, 855.028, 855.418, 855.808, 856.198, 856.588, 856.978, 857.368, 857.758, 858.147, 858.537, 858.927, 859.317, 859.707, 860.097, 860.487, 860.877, 861.266, 861.656, 862.030, 862.306, 862.490, 862.612 |
| EXISTING GROUND LEVEL AT SERVICE ROAD RHS | 848.022, 848.155, 848.394, 848.308, 848.134, 847.880, 847.425, 847.208, 847.719, 847.415, 846.664, 846.794, 847.372, 846.807, 847.052, 848.780, 849.757, 849.102, 848.518, 848.414, 848.388, 848.392, 848.668, 848.794, 848.893, 849.059, 849.293, 849.279, 849.390, 849.484, 850.701, 850.160, 850.256, 850.451, 851.174, 851.234, 851.504, 851.686, 852.077, 852.303, 852.608, 852.626, 852.728, 852.801, 853.050, 852.969, 853.170, 853.440, 853.540, 853.894, 853.865, 853.949 |
| HORIZONTAL SCEMATIC | L=995.278m |
| VERTICAL SCEMATIC | G=0.304 L=243.192m; R L=20.000m; G=3.899 L=294.478m; L=20.000m R; G L=12. |
| SUPERELEVATION (%) | |
| TCS DETAILS | TCS-3; TCS-3 |
| DESIGN CHAINAGE | 5+200, 5+210, 5+220, 5+230, 5+240, 5+250, 5+260, 5+270, 5+280, 5+290, 5+300, 5+310, 5+320, 5+330, 5+340, 5+350, 5+360, 5+370, 5+380, 5+390, 5+400, 5+410, 5+420, 5+430, 5+440, 5+450, 5+460, 5+470, 5+480, 5+490, 5+500, 5+510, 5+520, 5+530, 5+540, 5+550, 5+560, 5+570, 5+580, 5+590, 5+600, 5+610, 5+620, 5+630, 5+640, 5+650, 5+660, 5+670, 5+680, 5+690, 5+700, 5+710, 5+720.063 |

| NO. | DATE | REVISION/PURPOSE | DRAWN | CHECKED | APPROVED |
|---|---|---|---|---|---|
| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

Client: PWD- National Highways, Hassan Division (Government of Karnataka)

Consultant: INDIAN TECHNOCRAT LIMITED
In Association with
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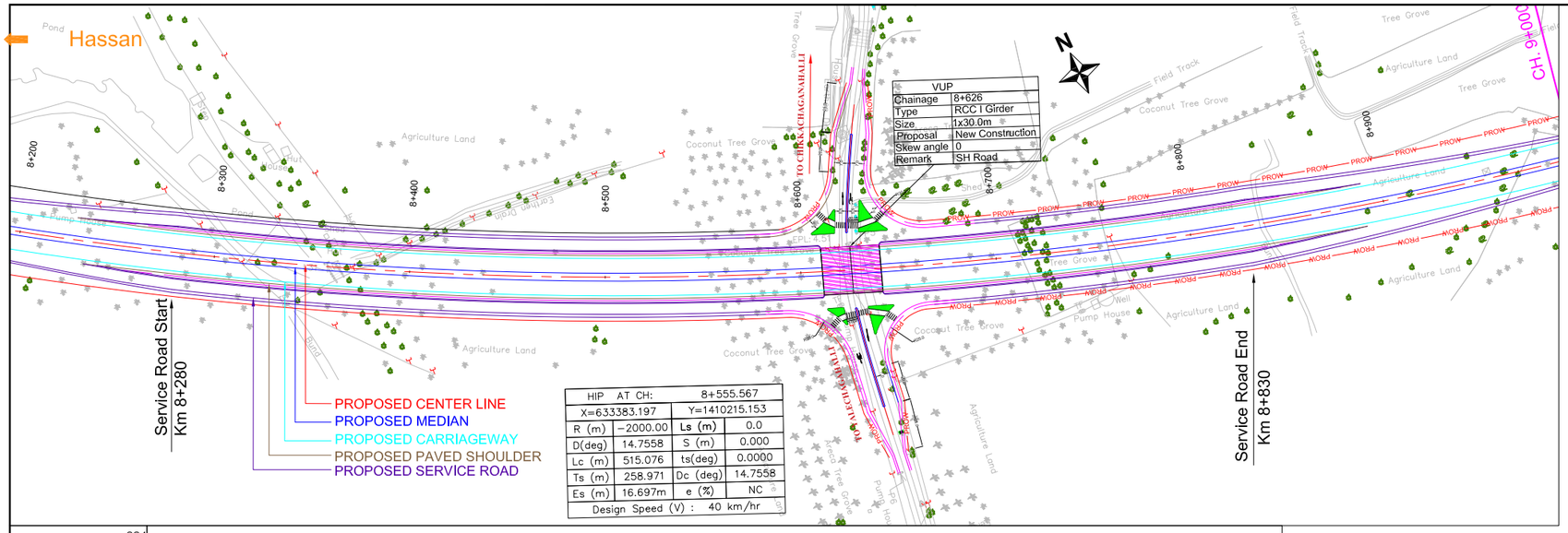
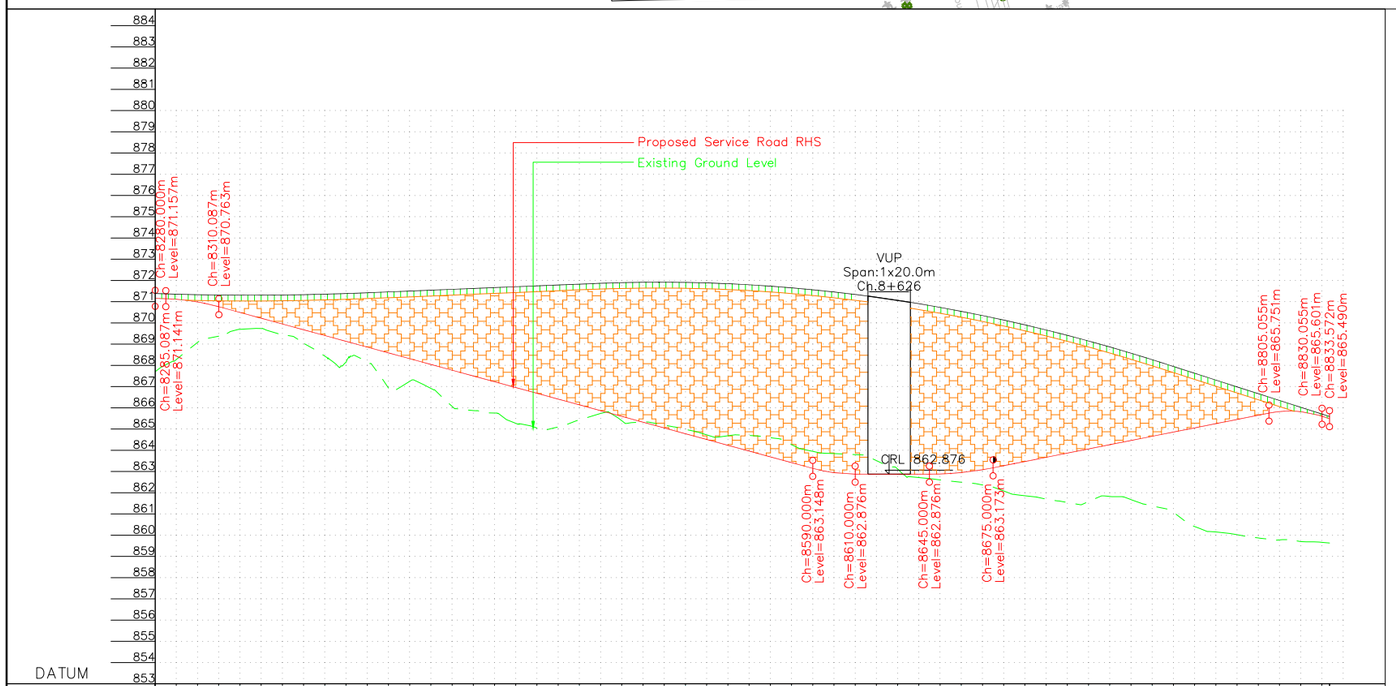
Project: Construction of Bypass to the Holenarasipura Town from Km 87.280 (near Chikkanahalli) to Km 97.580 (Near Hullahalli) on NH-373 in the State of Karnataka on EPC mode under NH(O) Annual Plan 2023-24

Title: **PLAN & PROFILE SERVICE ROAD RHS**
**Km 5+200 to Km 5+720**

DRG. NO. 23-102/ITL/NH373/HNP/HW/PP_RSR/02

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN | CHECKED AB | APPROVED |

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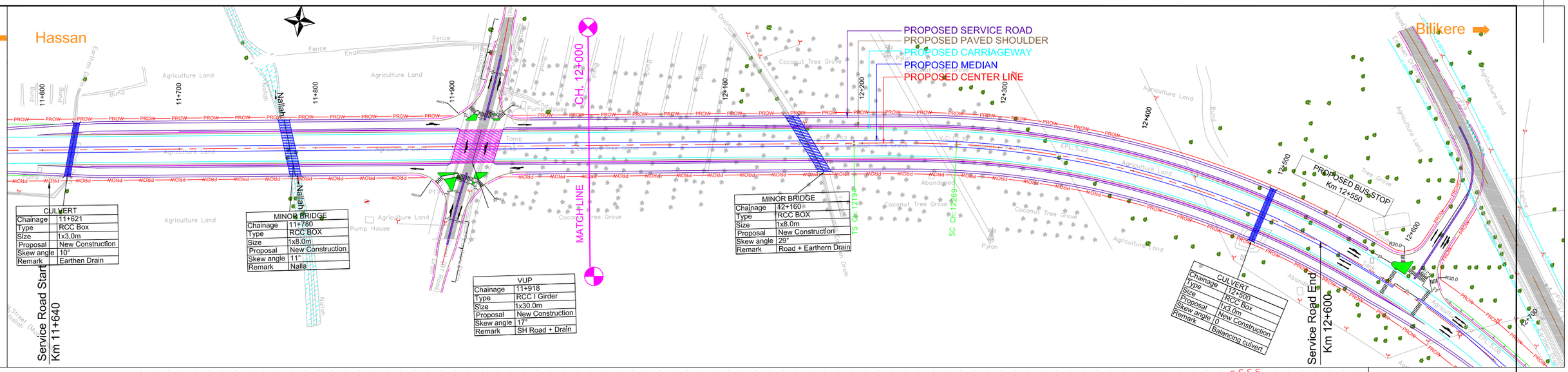
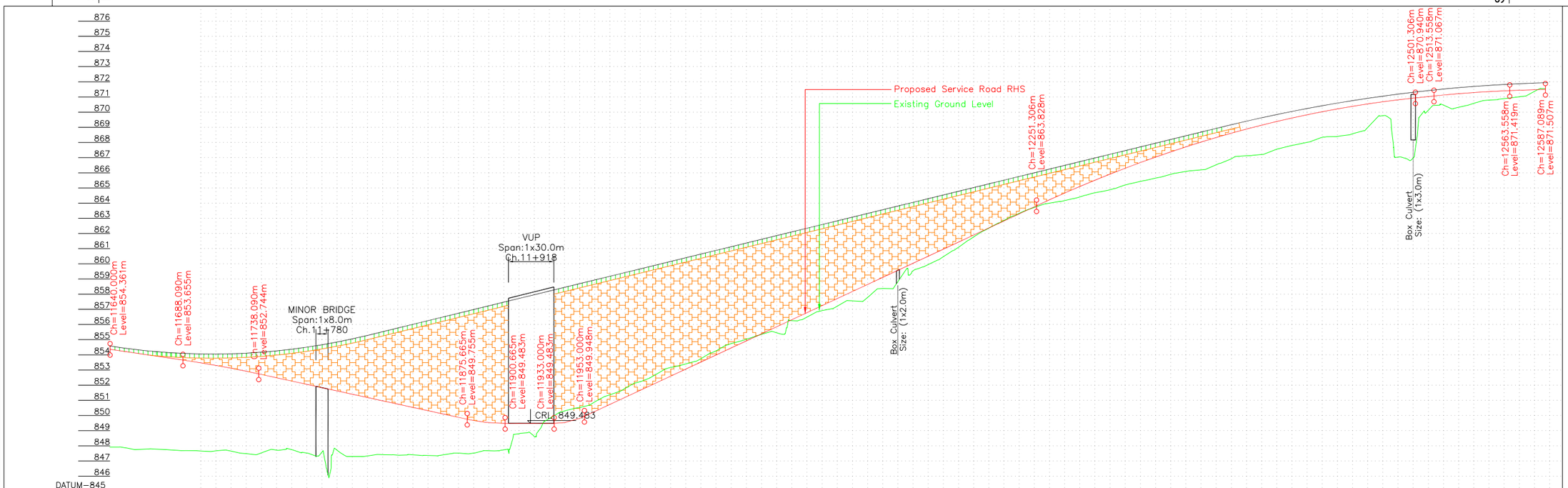
Title: **PLAN & PROFILE SERVICE ROAD RHS**
**Km 8+280 to Km 8+830**

DRG. NO. 23-102/ITL/NH373/HNP/HW/PP_RSR/03

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN | CHECKED AB | APPROVED |




SERVICE ROAD INNER EDGE LEVEL RHS: 854.361, 854.214, 854.068, 853.921, 853.774, 853.627, 853.470, 853.299, 853.115, 852.916, 852.703, 852.486, 852.268, 852.051, 851.834, 851.616, 851.399, 851.182, 850.964, 850.747, 850.530, 850.312, 850.095, 849.878, 849.669, 849.532, 849.483, 849.483, 849.483, 849.483, 849.483, 849.483, 849.540, 849.819, 850.274, 850.739, 851.205, 851.670, 852.135, 852.600, 853.066, 853.531, 853.996, 854.462, 854.927, 855.392, 855.857, 856.323, 856.788, 857.253, 857.719, 858.184, 858.649, 859.115, 859.580, 860.045, 860.510, 860.976, 861.441, 861.906, 862.372, 862.837, 863.302, 863.767, 864.227, 864.673, 865.104, 865.520, 865.922, 866.310, 866.683, 867.042, 867.386, 867.716, 868.031, 868.332, 868.618, 868.890, 869.148, 869.391, 869.619, 869.833, 870.033, 870.218, 870.388, 870.545, 870.686, 870.813, 870.926, 871.030, 871.131, 871.219, 871.295, 871.357, 871.405, 871.443, 871.481, 871.507

EXISTING GROUND LEVEL AT SERVICE ROAD RHS: 847.592, 847.874, 847.769, 847.787, 847.732, 847.687, 847.658, 847.671, 847.652, 847.485, 847.535, 847.717, 847.750, 847.524, 847.597, 847.705, 847.297, 847.331, 847.417, 847.389, 847.409, 847.365, 847.407, 847.517, 847.520, 847.677, 847.738, 848.799, 848.620, 849.803, 850.301, 850.533, 850.899, 851.367, 851.789, 852.231, 852.689, 853.165, 853.402, 853.744, 854.265, 854.739, 855.026, 855.349, 855.455, 856.259, 856.485, 856.917, 857.207, 857.558, 857.783, 858.371, 858.834, 859.538, 859.950, 860.472, 861.091, 861.778, 862.354, 862.864, 863.324, 863.720, 863.996, 864.163, 864.411, 864.681, 865.197, 865.434, 865.651, 865.900, 866.092, 866.197, 866.532, 866.925, 867.122, 867.210, 867.559, 867.809, 868.013, 868.343, 868.396, 868.576, 868.985, 869.766, 870.036, 870.987, 871.130, 871.463, 871.322, 871.582, 870.794, 870.895, 871.013, 871.363, 871.368, 871.343

HORIZONTAL SCEMATIC: L=529.647m; R=640.000m; L=351.748m

VERTICAL SCEMATIC: L=48.090m G=−1.469; L=50.000m R; L=137.575m G=−2.173; R L=25.000m; L G; R L=20.000m; G=4.653 L=298.306m; L=250.000m R=−6912.787m; G L=12.252m; L=50.000m R; G L=23.531m

SUPERELEVATION (%)

TCS DETAILS: TCS−3; TCS−3

DESIGN CHAINAGE: 11+640, 11+650, 11+660, 11+670, 11+680, 11+690, 11+700, 11+710, 11+720, 11+730, 11+740, 11+750, 11+760, 11+770, 11+780, 11+790, 11+800, 11+810, 11+820, 11+830, 11+840, 11+850, 11+860, 11+870, 11+880, 11+890, 11+900, 11+910, 11+920, 11+930, 11+940, 11+950, 11+960, 11+970, 11+980, 11+990, 12+000, 12+010, 12+020, 12+030, 12+040, 12+050, 12+060, 12+070, 12+080, 12+090, 12+100, 12+110, 12+120, 12+130, 12+140, 12+150, 12+160, 12+170, 12+180, 12+190, 12+200, 12+210, 12+220, 12+230, 12+240, 12+250, 12+260, 12+270, 12+280, 12+290, 12+300, 12+310, 12+320, 12+330, 12+340, 12+350, 12+360, 12+370, 12+380, 12+390, 12+400, 12+410, 12+420, 12+430, 12+440, 12+450, 12+460, 12+470, 12+480, 12+490, 12+500, 12+510, 12+520, 12+530, 12+540, 12+550, 12+560, 12+570, 12+580, 12+587.050

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| R0 | 03.01.24 | INITIAL SUBMISSION | | | |

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Title: **PLAN & PROFILE SERVICE ROAD RHS**
**Km 11+640 to Km 12+600**

DRG. NO. 23-102/ITL/NH373/HNP/HW/PP_RSR/04

| DATE: 03.01.2024 | SCALE: | SHEET NO: | REV : R0 |
|---|---|---|---|
| DESIGN RC | DRAWN YS | CHECKED AB | APPROVED SK |