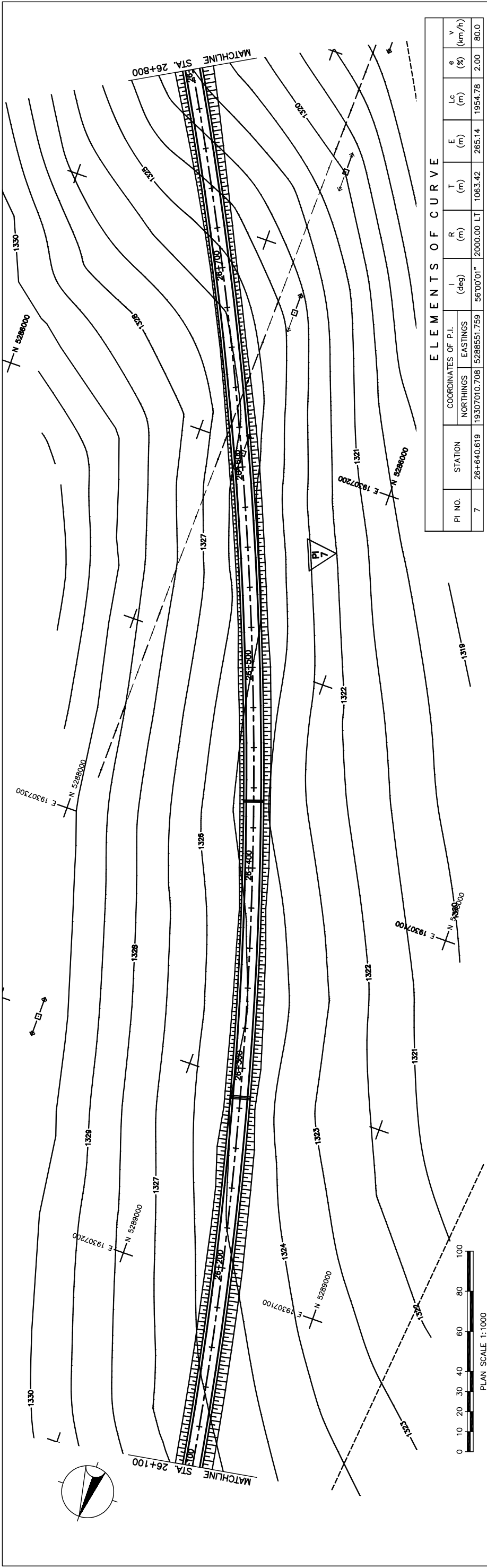


| STATION | FINISHED GRADE | ORIGINAL GROUND | HORIZONTAL CURVATURE | VERTICAL CURVATURE | SUPERELEVATION |
|---------|----------------|-----------------|----------------------|--------------------|----------------|
| 25+400  | 1351.233       | 1352.148        |                      |                    |                |
| 25+410  | 1350.116       | 1351.013        |                      |                    |                |
| 25+420  | 1349.001       | 1349.901        |                      |                    |                |
| 25+430  | 1347.885       | 1348.812        |                      |                    |                |
| 25+440  | 1346.769       | 1347.748        |                      |                    |                |
| 25+450  | 1345.653       | 1346.707        |                      |                    |                |
| 25+460  | 1344.536       | 1345.691        |                      |                    |                |
| 25+470  | 1343.419       | 1344.699        |                      |                    |                |
| 25+480  | 1342.303       | 1343.730        |                      |                    |                |
| 25+490  | 1341.186       | 1342.786        |                      |                    |                |
| 25+500  | 1340.069       | 1341.865        |                      |                    |                |
| 25+510  | 1338.952       | 1340.964        |                      |                    |                |
| 25+520  | 1337.835       | 1340.064        |                      |                    |                |
| 25+530  | 1336.718       | 1339.175        |                      |                    |                |
| 25+540  | 1335.601       | 1338.341        |                      |                    |                |
| 25+550  | 1334.484       | 1337.567        |                      |                    |                |
| 25+560  | 1333.367       | 1336.853        |                      |                    |                |
| 25+570  | 1332.250       | 1336.199        |                      |                    |                |
| 25+580  | 1331.133       | 1335.605        |                      |                    |                |
| 25+590  | 1330.016       | 1335.071        |                      |                    |                |
| 25+600  | 1328.899       | 1334.597        |                      |                    |                |
| 25+610  | 1327.782       | 1334.183        |                      |                    |                |
| 25+620  | 1326.665       | 1333.829        |                      |                    |                |
| 25+630  | 1325.548       | 1333.524        |                      |                    |                |
| 25+640  | 1324.431       | 1333.274        |                      |                    |                |
| 25+650  | 1323.314       | 1333.074        |                      |                    |                |
| 25+660  | 1322.197       | 1332.924        |                      |                    |                |
| 25+670  | 1321.080       | 1332.824        |                      |                    |                |
| 25+680  | 1319.963       | 1332.774        |                      |                    |                |
| 25+690  | 1318.846       | 1332.774        |                      |                    |                |
| 25+700  | 1317.729       | 1332.824        |                      |                    |                |
| 25+710  | 1316.612       | 1332.924        |                      |                    |                |
| 25+720  | 1315.495       | 1333.074        |                      |                    |                |
| 25+730  | 1314.378       | 1333.274        |                      |                    |                |
| 25+740  | 1313.261       | 1333.524        |                      |                    |                |
| 25+750  | 1312.144       | 1333.829        |                      |                    |                |
| 25+760  | 1311.027       | 1334.183        |                      |                    |                |
| 25+770  | 1309.910       | 1334.597        |                      |                    |                |
| 25+780  | 1308.793       | 1335.071        |                      |                    |                |
| 25+790  | 1307.676       | 1335.605        |                      |                    |                |
| 25+800  | 1306.559       | 1336.199        |                      |                    |                |
| 25+810  | 1305.442       | 1336.853        |                      |                    |                |
| 25+820  | 1304.325       | 1337.567        |                      |                    |                |
| 25+830  | 1303.208       | 1338.341        |                      |                    |                |
| 25+840  | 1302.091       | 1339.175        |                      |                    |                |
| 25+850  | 1300.974       | 1340.064        |                      |                    |                |
| 25+860  | 1299.857       | 1340.964        |                      |                    |                |
| 25+870  | 1298.740       | 1341.865        |                      |                    |                |
| 25+880  | 1297.623       | 1342.786        |                      |                    |                |
| 25+890  | 1296.506       | 1343.730        |                      |                    |                |
| 25+900  | 1295.389       | 1344.699        |                      |                    |                |
| 25+910  | 1294.272       | 1345.691        |                      |                    |                |
| 25+920  | 1293.155       | 1346.707        |                      |                    |                |
| 25+930  | 1292.038       | 1347.748        |                      |                    |                |
| 25+940  | 1290.921       | 1348.812        |                      |                    |                |
| 25+950  | 1289.804       | 1349.901        |                      |                    |                |
| 25+960  | 1288.687       | 1351.013        |                      |                    |                |
| 25+970  | 1287.570       | 1352.148        |                      |                    |                |
| 25+980  | 1286.453       | 1353.303        |                      |                    |                |
| 25+990  | 1285.336       | 1354.474        |                      |                    |                |
| 26+000  | 1284.219       | 1355.661        |                      |                    |                |
| 26+010  | 1283.102       | 1356.864        |                      |                    |                |
| 26+020  | 1281.985       | 1358.084        |                      |                    |                |
| 26+030  | 1280.868       | 1359.324        |                      |                    |                |
| 26+040  | 1279.751       | 1360.584        |                      |                    |                |
| 26+050  | 1278.634       | 1361.864        |                      |                    |                |
| 26+060  | 1277.517       | 1363.164        |                      |                    |                |
| 26+070  | 1276.400       | 1364.484        |                      |                    |                |
| 26+080  | 1275.283       | 1365.824        |                      |                    |                |
| 26+090  | 1274.166       | 1367.184        |                      |                    |                |
| 26+100  | 1273.049       | 1368.564        |                      |                    |                |

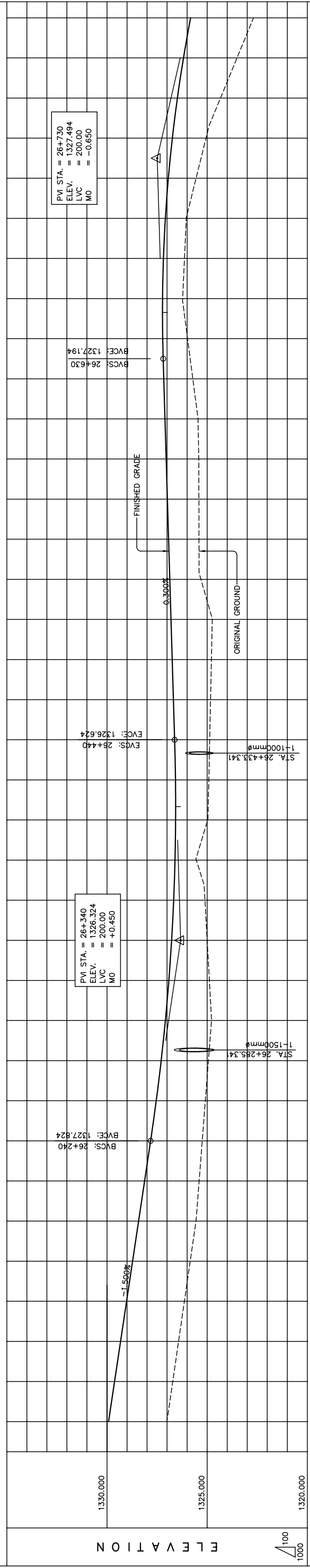
THE BASIC DESIGN STUDY ON CONSTRUCTION OF EASTERN ARTERIAL ROAD IN MONGOLIA  
 DEPARTMENT OF ROADS,  
 MINISTRY OF INFRASTRUCTURE,  
 THE GOVERNMENT OF MONGOLIA  
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
 PACIFIC CONSULTANTS INTERNATIONAL  
 JAPAN OVERSEAS CONSULTANTS  
 Drawing title  
**PLAN AND PROFILE  
 (STA.25+400 TO STA.26+100)  
 (STAGE-1)**  
 Scale  
 AS SHOWN  
 Sheet No.  
 C-14  
 14/21

図 3-2-3-16 全体平面・縦断面 (Section II 新設区間 Sta.25+400-Sta.26+100)



**ELEMENTS OF CURVE**

| PI NO. | STATION    | COORDINATES OF P.I. |             | I (deg)   | R (m)   | T (m)   | E (m)  | Lc (m)  | e (%) | V (km/h) |
|--------|------------|---------------------|-------------|-----------|---------|---------|--------|---------|-------|----------|
|        |            | NORTHINGS           | EASTINGS    |           |         |         |        |         |       |          |
| 7      | 26+640.619 | 19307010.708        | 5288551.759 | 56°00'01" | 2000.00 | 1063.42 | 265.14 | 1954.78 | 2.00  | 80.0     |



| STATION | FINISHED GRADE | ORIGINAL GROUND | HORIZONTAL CURVATURE | VERTICAL CURVATURE | SUPERELEVATION |
|---------|----------------|-----------------|----------------------|--------------------|----------------|
| 26+100  | 1327.009       | 1329.924        |                      |                    |                |
|         | 1326.718       | 1329.624        |                      |                    |                |
|         | 1326.428       | 1329.324        |                      |                    |                |
|         | 1326.137       | 1329.024        |                      |                    |                |
|         | 1325.847       | 1328.724        |                      |                    |                |
|         | 1325.557       | 1328.424        |                      |                    |                |
|         | 1325.400       | 1328.124        |                      |                    |                |
|         | 1325.246       | 1327.824        |                      |                    |                |
|         | 1325.091       | 1327.524        |                      |                    |                |
|         | 1324.937       | 1327.296        |                      |                    |                |
|         | 1324.783       | 1327.086        |                      |                    |                |
|         | 1324.889       | 1326.912        |                      |                    |                |
|         | 1324.999       | 1326.774        |                      |                    |                |
|         | 1325.110       | 1326.672        |                      |                    |                |
|         | 1325.541       | 1326.606        |                      |                    |                |
|         | 1324.970       | 1326.576        |                      |                    |                |
|         | 1324.918       | 1326.582        |                      |                    |                |
|         | 1324.874       | 1326.624        |                      |                    |                |
|         | 1324.831       | 1326.684        |                      |                    |                |
|         | 1324.788       | 1326.744        |                      |                    |                |
|         | 1324.745       | 1326.804        |                      |                    |                |
|         | 1325.311       | 1326.864        |                      |                    |                |
|         | 1325.408       | 1326.924        |                      |                    |                |
|         | 1325.412       | 1326.984        |                      |                    |                |
|         | 1325.418       | 1327.044        |                      |                    |                |
|         | 1325.457       | 1327.104        |                      |                    |                |
|         | 1325.716       | 1327.164        |                      |                    |                |
|         | 1325.979       | 1327.218        |                      |                    |                |
|         | 1326.225       | 1327.226        |                      |                    |                |
|         | 1326.134       | 1327.182        |                      |                    |                |
|         | 1326.044       | 1327.085        |                      |                    |                |
|         | 1325.554       | 1326.937        |                      |                    |                |
|         | 1325.057       | 1326.737        |                      |                    |                |
|         | 1324.334       | 1326.485        |                      |                    |                |
|         | 1323.510       | 1326.181        |                      |                    |                |
|         | 1322.686       | 1325.825        |                      |                    |                |

THE BASIC DESIGN STUDY ON CONSTRUCTION OF EASTERN ARTERIAL ROAD IN MONGOLIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
MINISTRY OF INFRASTRUCTURE  
THE GOVERNMENT OF MONGOLIA

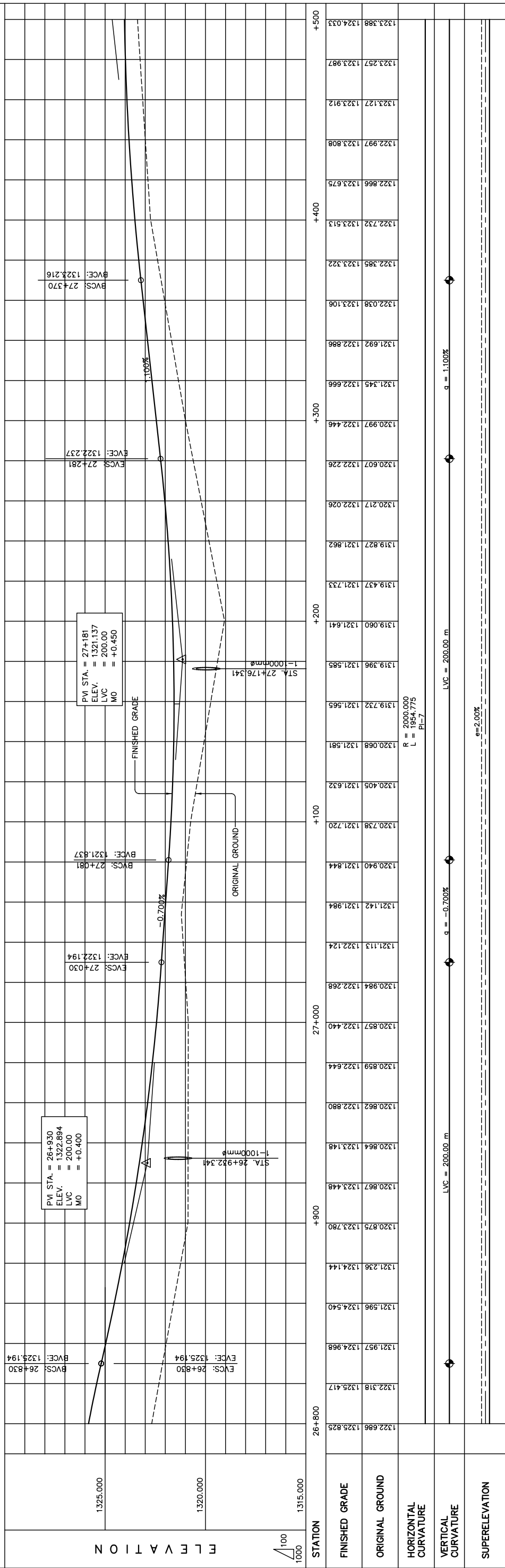
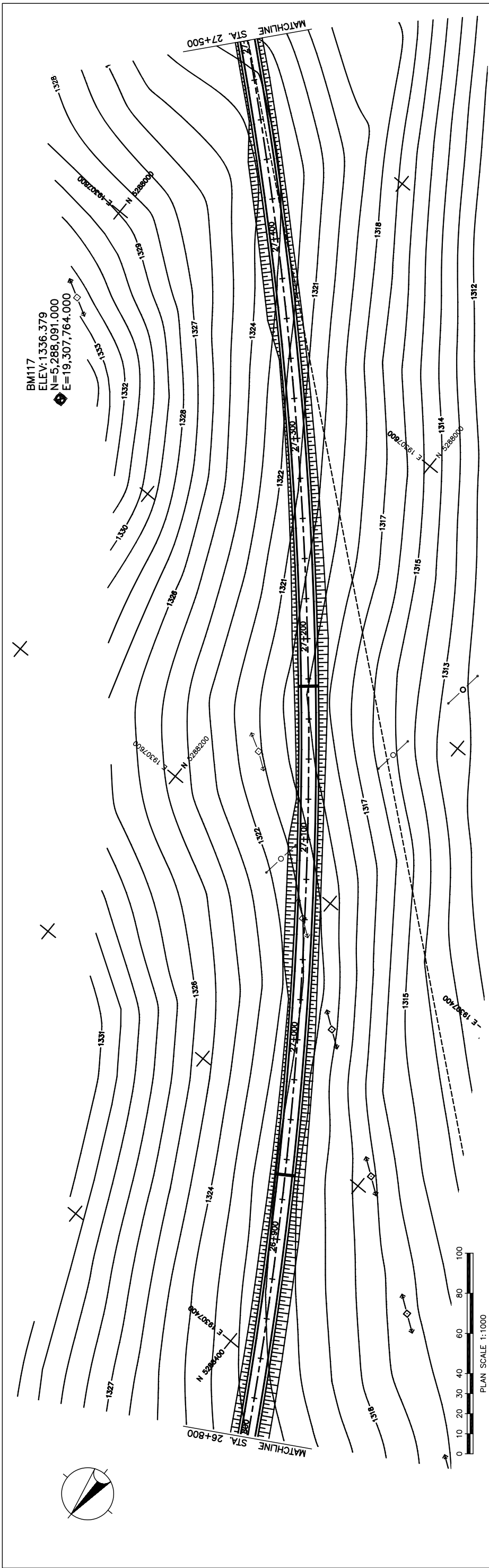
PACIFIC CONSULTANTS INTERNATIONAL  
JAPAN OVERSEAS CONSULTANTS

Scale: AS SHOWN

Sheet No. C-15 (1/21)

Drawing title: PLAN AND PROFILE (STA.26+100 TO STA.26+800) (STAGE-1)

図 3-2-3-17 全体平面・縦断面 (Section II 新設区間 Sta.26+100-Sta.26+800)



| STATION  | FINISHED GRADE |          | ORIGINAL GROUND |          | HORIZONTAL CURVATURE | VERTICAL CURVATURE | SUPERELEVATION |
|----------|----------------|----------|-----------------|----------|----------------------|--------------------|----------------|
|          | ELEVATION      | STATION  | ELEVATION       | STATION  |                      |                    |                |
| 1325.000 | 26+830         | 1325.194 | 1325.194        | 26+830   |                      |                    |                |
| 1324.984 | 1321.957       | 1324.968 | 1321.957        | 1324.968 |                      |                    |                |
| 1324.540 | 1321.596       | 1324.540 | 1321.596        | 1324.540 |                      |                    |                |
| 1324.144 | 1321.236       | 1324.144 | 1321.236        | 1324.144 |                      |                    |                |
| 1323.780 | 1320.875       | 1323.780 | 1320.875        | 1323.780 |                      |                    |                |
| 1323.448 | 1320.867       | 1323.448 | 1320.867        | 1323.448 |                      |                    |                |
| 1323.148 | 1320.864       | 1323.148 | 1320.864        | 1323.148 |                      |                    |                |
| 1322.880 | 1320.862       | 1322.880 | 1320.862        | 1322.880 |                      |                    |                |
| 1322.644 | 1320.859       | 1322.644 | 1320.859        | 1322.644 |                      |                    |                |
| 1322.440 | 1320.857       | 1322.440 | 1320.857        | 1322.440 |                      |                    |                |
| 1322.268 | 1320.984       | 1322.268 | 1320.984        | 1322.268 |                      |                    |                |
| 1322.124 | 1321.113       | 1322.124 | 1321.113        | 1322.124 |                      |                    |                |
| 1321.984 | 1321.142       | 1321.984 | 1321.142        | 1321.984 |                      |                    |                |
| 1321.844 | 1320.940       | 1321.844 | 1320.940        | 1321.844 |                      |                    |                |
| 1321.720 | 1320.738       | 1321.720 | 1320.738        | 1321.720 |                      |                    |                |
| 1321.581 | 1320.405       | 1321.581 | 1320.405        | 1321.581 |                      |                    |                |
| 1321.565 | 1319.732       | 1321.565 | 1319.732        | 1321.565 |                      |                    |                |
| 1321.585 | 1319.396       | 1321.585 | 1319.396        | 1321.585 |                      |                    |                |
| 1321.641 | 1319.060       | 1321.641 | 1319.060        | 1321.641 |                      |                    |                |
| 1321.733 | 1319.437       | 1321.733 | 1319.437        | 1321.733 |                      |                    |                |
| 1321.862 | 1319.827       | 1321.862 | 1319.827        | 1321.862 |                      |                    |                |
| 1322.026 | 1320.217       | 1322.026 | 1320.217        | 1322.026 |                      |                    |                |
| 1322.226 | 1320.607       | 1322.226 | 1320.607        | 1322.226 |                      |                    |                |
| 1322.446 | 1320.997       | 1322.446 | 1320.997        | 1322.446 |                      |                    |                |
| 1322.666 | 1321.345       | 1322.666 | 1321.345        | 1322.666 |                      |                    |                |
| 1322.886 | 1321.692       | 1322.886 | 1321.692        | 1322.886 |                      |                    |                |
| 1323.106 | 1322.038       | 1323.106 | 1322.038        | 1323.106 |                      |                    |                |
| 1323.322 | 1322.385       | 1323.322 | 1322.385        | 1323.322 |                      |                    |                |
| 1323.513 | 1322.732       | 1323.513 | 1322.732        | 1323.513 |                      |                    |                |
| 1323.675 | 1322.866       | 1323.675 | 1322.866        | 1323.675 |                      |                    |                |
| 1323.808 | 1322.997       | 1323.808 | 1322.997        | 1323.808 |                      |                    |                |
| 1323.912 | 1323.127       | 1323.912 | 1323.127        | 1323.912 |                      |                    |                |
| 1323.987 | 1323.257       | 1323.987 | 1323.257        | 1323.987 |                      |                    |                |
| 1324.033 | 1323.388       | 1324.033 | 1323.388        | 1324.033 |                      |                    |                |

THE BASIC DESIGN STUDY ON CONSTRUCTION OF EASTERN ARTERIAL ROAD IN MONGOLIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
 DEPARTMENT OF ROADS,  
 MINISTRY OF INFRASTRUCTURE,  
 THE GOVERNMENT OF MONGOLIA

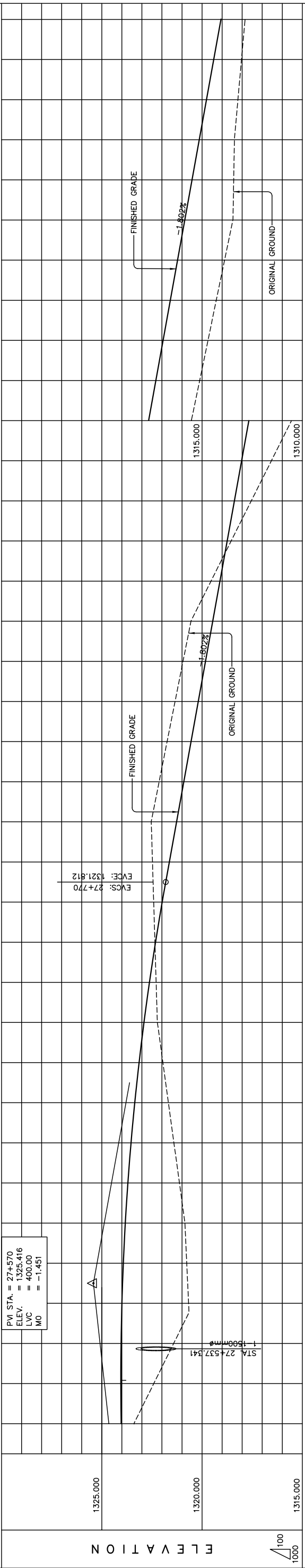
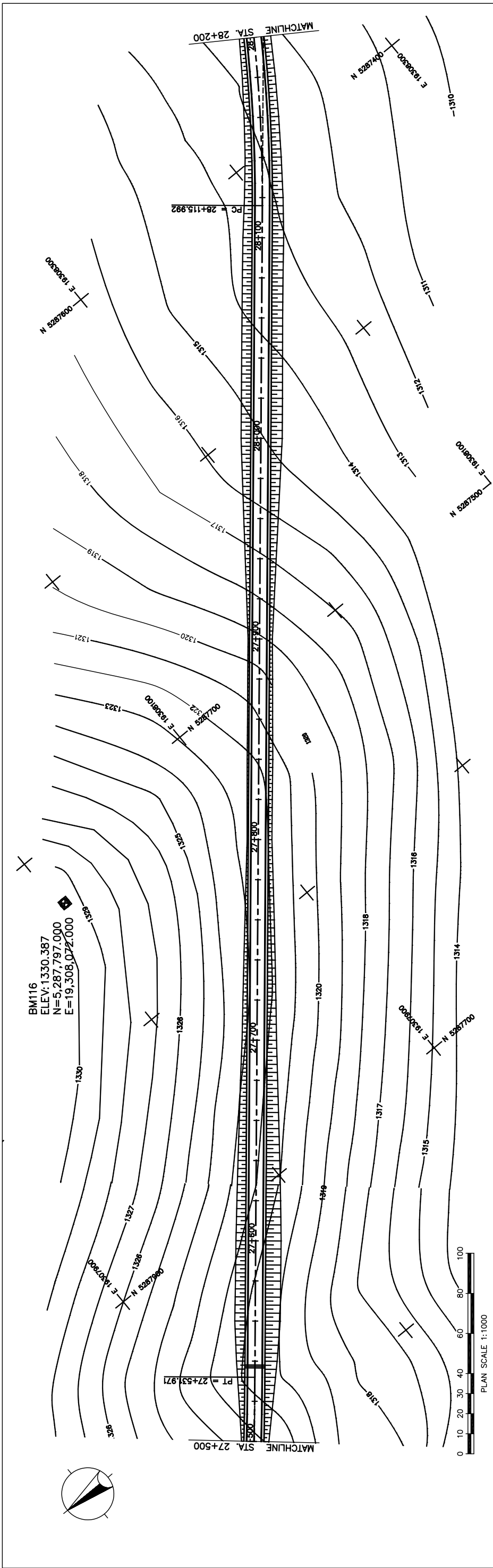
PACIFIC CONSULTANTS INTERNATIONAL  
 JAPAN OVERSEAS CONSULTANTS

Drawing title  
**PLAN AND PROFILE**  
 (STA.26+800 TO STA.27+500)  
 (STAGE-B-1)

Scale  
 AS SHOWN

Sheet No.  
 C-16  
 16/21

図 3-2-3-18 全体平面・縦断面 (Section II 新設区間 Sta.26+800-Sta.27+500)



| STATION | FINISHED GRADE | ORIGINAL GROUND | HORIZONTAL CURVATURE | VERTICAL CURVATURE          | SUPERELEVATION |
|---------|----------------|-----------------|----------------------|-----------------------------|----------------|
| 27+500  | 1324.033       | 1324.038        | PI-7                 | R = 2000.000<br>L = 184.775 |                |
| 27+510  | 1323.997       | 1323.997        |                      |                             |                |
| 27+520  | 1323.926       | 1323.926        |                      |                             |                |
| 27+530  | 1323.827       | 1323.827        |                      |                             |                |
| 27+540  | 1323.699       | 1323.699        |                      |                             |                |
| 27+550  | 1323.542       | 1323.542        |                      |                             |                |
| 27+560  | 1323.355       | 1323.355        |                      |                             |                |
| 27+570  | 1323.140       | 1323.140        |                      |                             |                |
| 27+580  | 1322.896       | 1322.896        |                      |                             |                |
| 27+590  | 1322.623       | 1322.623        |                      |                             |                |
| 27+600  | 1322.320       | 1322.320        |                      |                             |                |
| 27+610  | 1322.009       | 1322.009        |                      |                             |                |
| 27+620  | 1321.674       | 1321.674        |                      |                             |                |
| 27+630  | 1321.329       | 1321.329        |                      |                             |                |
| 27+640  | 1320.949       | 1320.949        |                      |                             |                |
| 27+650  | 1320.555       | 1320.555        |                      |                             |                |
| 27+660  | 1320.142       | 1320.142        |                      |                             |                |
| 27+670  | 1321.745       | 1320.551        |                      |                             |                |
| 27+680  | 1321.348       | 1320.191        |                      |                             |                |
| 27+690  | 1320.952       | 1319.830        |                      |                             |                |
| 27+700  | 1320.554       | 1319.470        |                      |                             |                |
| 27+710  | 1319.561       | 1319.109        |                      |                             |                |
| 27+720  | 1318.558       | 1318.749        |                      |                             |                |
| 27+730  | 1317.554       | 1318.389        |                      |                             |                |
| 27+740  | 1316.550       | 1318.028        |                      |                             |                |
| 27+750  | 1315.546       | 1317.668        |                      |                             |                |
| 27+760  | 1315.121       | 1317.308        |                      |                             |                |
| 27+770  | 1314.707       | 1316.947        |                      |                             |                |
| 27+780  | 1314.292       | 1316.587        |                      |                             |                |
| 27+790  | 1313.878       | 1316.226        |                      |                             |                |
| 27+800  | 1313.463       | 1315.866        |                      |                             |                |
| 27+810  | 1313.421       | 1315.506        |                      |                             |                |
| 27+820  | 1313.385       | 1315.145        |                      |                             |                |
| 27+830  | 1313.211       | 1314.785        |                      |                             |                |
| 27+840  | 1313.033       | 1314.425        |                      |                             |                |
| 27+850  | 1312.855       | 1314.064        |                      |                             |                |

STRAIGHT  
 g = -1.802%

LVC = 400.00 m

+545.304  
 +525.304  
 +505.304  
 +485.304  
 +465.304  
 +445.304  
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 +65.325  
 +45.325  
 +25.325

THE BASIC DESIGN STUDY ON CONSTRUCTION OF EASTERN ARTERIAL ROAD IN MONGOLIA

DEPARTMENT OF ROADS,  
 MINISTRY OF INFRASTRUCTURE,  
 THE GOVERNMENT OF MONGOLIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
 PACIFIC CONSULTANTS INTERNATIONAL  
 JAPAN OVERSEAS CONSULTANTS

Drawing title  
**PLAN AND PROFILE**  
 (STA.27+500 TO STA.28+200)  
 (STAGE-1)

Scale  
 AS SHOWN

Sheet No.  
 C-17  
 17/21

図 3-2-3-19 全体平面・縦断面 (Section II 新設区間 Sta.27+500-Sta.28+200)

