

STATION	FINISHED GRADE	ORIGINAL GROUND	HORIZONTAL CURVATURE	VERTICAL CURVATURE	SUPERELEVATION
24+000	1343.805	1345.763			
24+100	1344.741	1346.018			
24+200	1345.662	1347.165			
24+300	1346.499	1348.231			
24+400	1347.288	1349.574			
24+500	1348.082	1348.886			
24+600	1349.077	1350.262			
24+700	1350.000	1350.000			

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

Scale: AS SHOWN

Sheet No. C-12 / 12/21

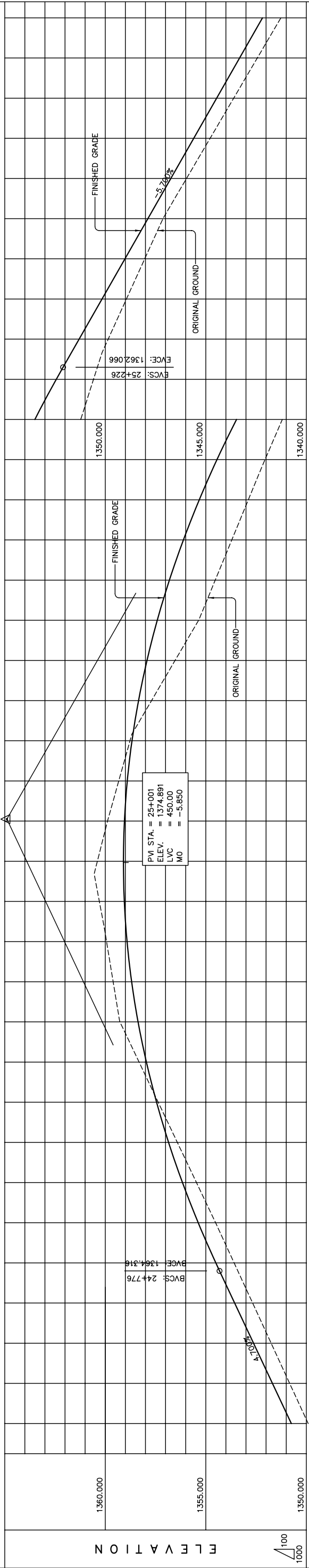
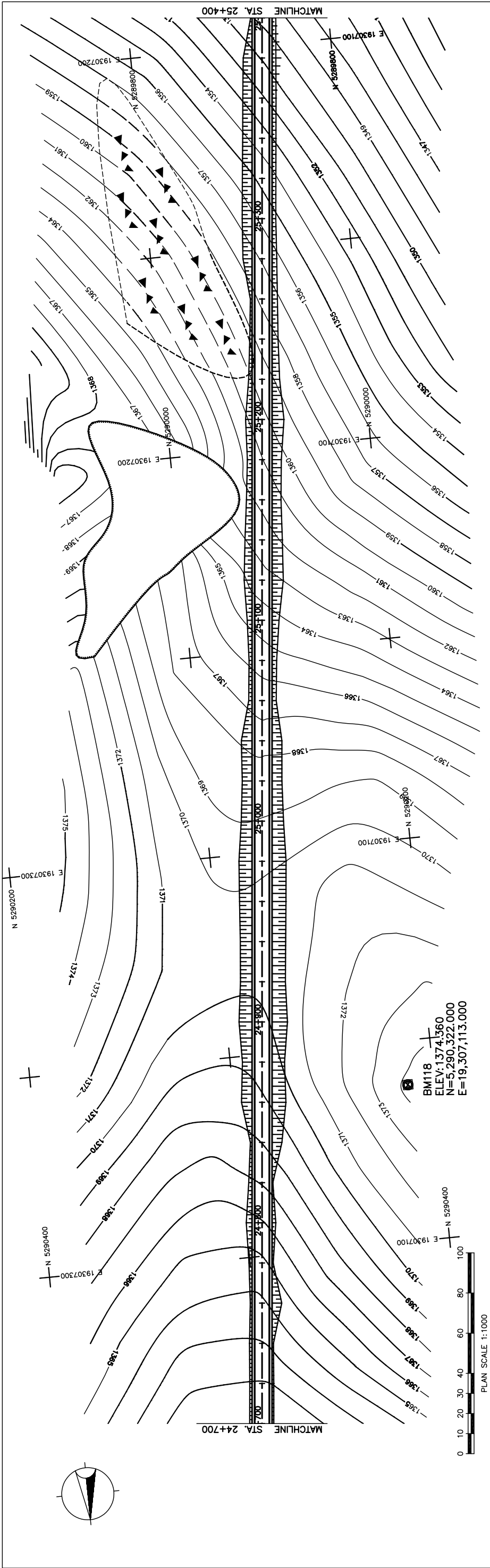
PLAN AND PROFILE
(STA.24+000 TO STA.24+700)
(STAGE-1)

STRAIGHT

LVC = 148.00 m

LVC = 300.00 m

g = 1.72%



STATION	FINISHED GRADE	ORIGINAL GROUND	HORIZONTAL CURVATURE	VERTICAL CURVATURE	SUPERELEVATION
24+700	1350.828	1361.684			
	1361.749	1362.824			
	1362.670	1363.564			
	1363.591	1364.502			
	1364.512	1365.377			
	1365.463	1366.160			
	1366.415	1366.951			
	1367.366	1367.449			
	1368.318	1367.954			
	1369.269	1368.367			
	1369.807	1368.688			
	1369.936	1368.916			
	1370.294	1369.052			
	1370.393	1369.095			
	1369.887	1369.046			
	1369.328	1368.904			
	1368.769	1368.670			
	1367.699	1368.344			
	1366.528	1367.925			
	1365.358	1367.413			
	1364.530	1366.810			
	1363.707	1366.113			
	1362.884	1365.325			
	1362.055	1364.443			
	1361.193	1363.470			
	1360.552	1362.404			
	1359.824	1361.268			
	1358.915	1360.128			
	1358.007	1358.988			
	1357.098	1357.848			
	1356.928	1356.708			
	1354.755	1355.568			
	1353.581	1354.428			
	1352.407	1353.288			
	1351.233	1352.148			

STRAIGHT

LVC = 450.00 m

g = 4.700%

g = -5.700%

AS SHOWN

Scale

Drawing title

PLAN AND PROFILE
(STA.24+700 TO STA.25+400)
(STAGE-1)

AS SHOWN

Scale

Sheet No.

C-13
19/21

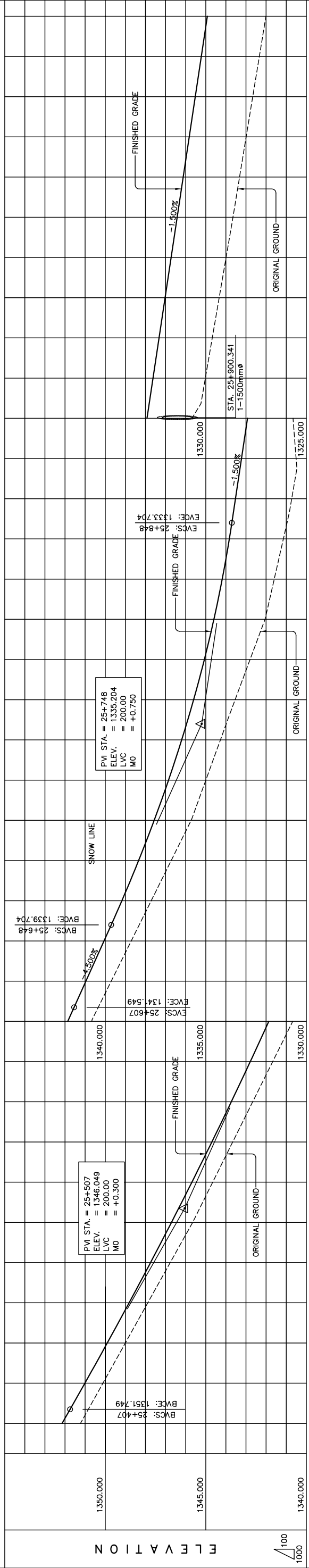
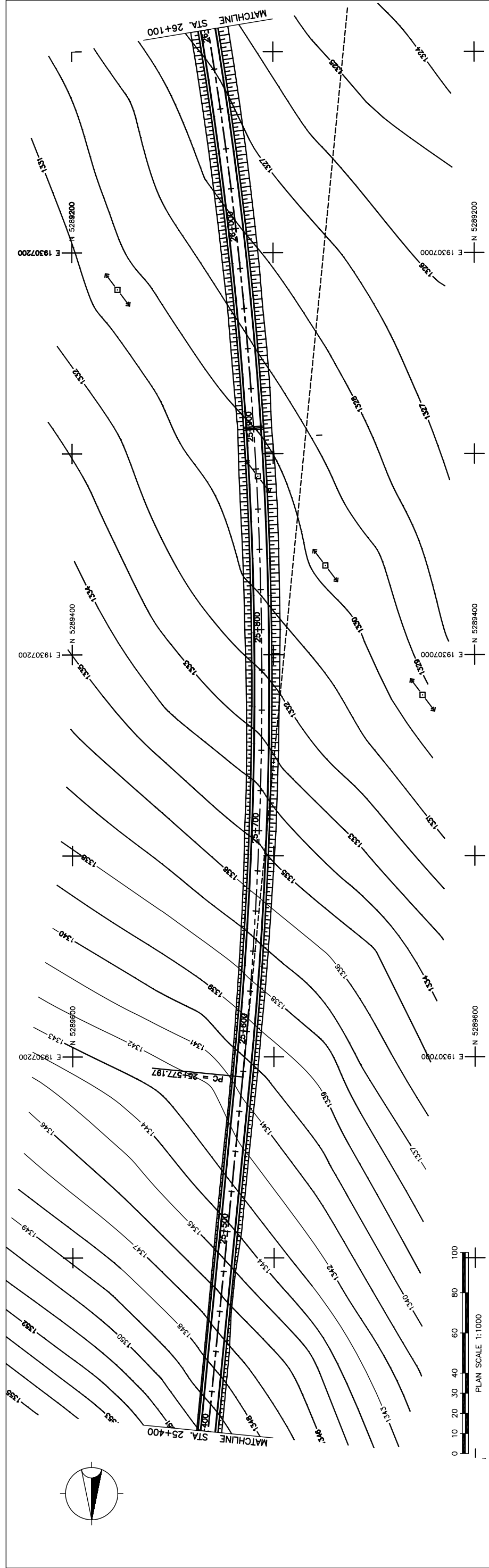
THE BASIC DESIGN STUDY ON CONSTRUCTION OF EASTERN ARTERIAL ROAD IN MONGOLIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

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

PACIFIC CONSULTANTS INTERNATIONAL
JAPAN OVERSEAS CONSULTANTS

Figure 2-2-3-15 Plan and Profile (Section II New Construction Sta.24+700-Sta.25+400)



STATION	FINISHED GRADE	ORIGINAL GROUND	HORIZONTAL CURVATURE	VERTICAL CURVATURE	SUPERELEVATION
1351.233	1351.233	1352.148			
1350.116	1350.116	1351.013			
1349.001	1349.001	1349.901			
1347.885	1347.885	1348.812			
1346.769	1346.769	1347.748			
1345.653	1345.653	1346.707			
1344.536	1344.536	1345.691			
1343.661	1343.661	1344.699			
1342.666	1342.666	1343.730			
1341.671	1341.671	1342.786			
1340.676	1340.676	1341.865			
1339.686	1339.686	1340.964			
1338.696	1338.696	1340.064			
1337.706	1337.706	1339.175			
1336.717	1336.717	1338.341			
1335.727	1335.727	1337.567			
1334.997	1334.997	1336.853			
1334.273	1334.273	1336.199			
1333.542	1333.542	1335.605			
1332.798	1332.798	1335.071			
1332.055	1332.055	1334.597			
1331.595	1331.595	1334.183			
1331.141	1331.141	1333.829			
1330.725	1330.725	1333.524			
1330.507	1330.507	1333.224			
1330.661	1330.661	1332.924			
1330.022	1330.022	1332.624			
1329.679	1329.679	1332.324			
1329.335	1329.335	1332.024			
1328.992	1328.992	1331.724			
1328.649	1328.649	1331.424			
1328.321	1328.321	1331.124			
1327.993	1327.993	1330.824			
1327.665	1327.665	1330.524			
1327.337	1327.337	1330.224			
1327.009	1327.009	1329.924			

STRAIGHT

LVC = 200.00 m

g = -4.500%

g = -1.500%

R = 2000.000
L = 64.775
Pl-7

PC

PS

+543.864

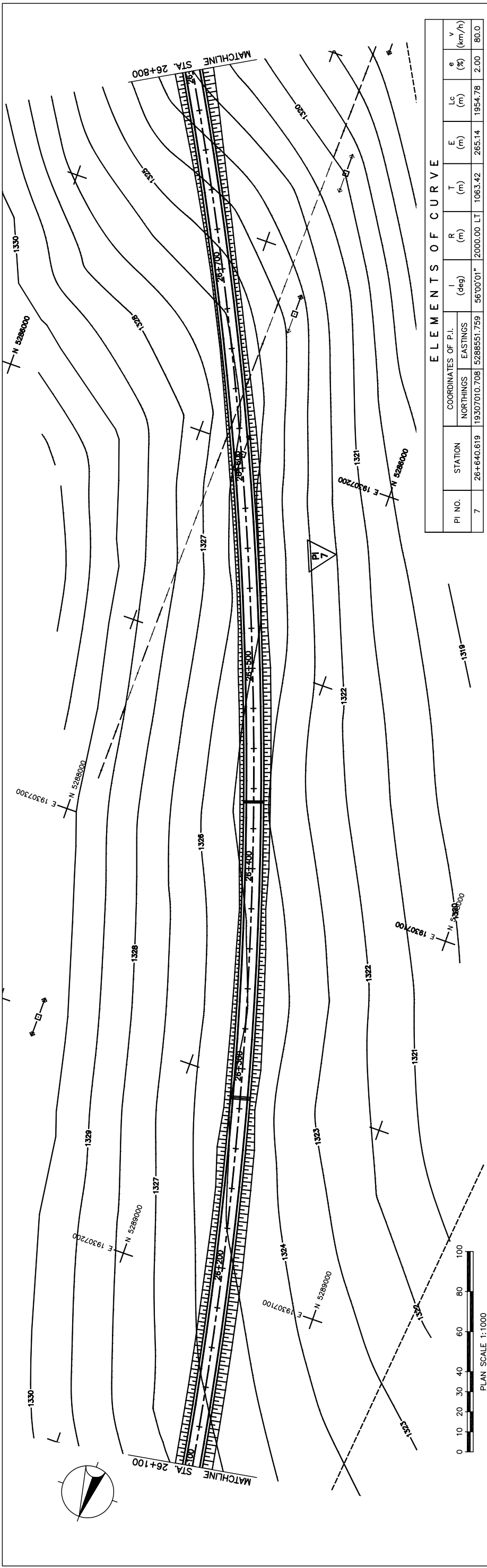
+563.864

g = 2.00%

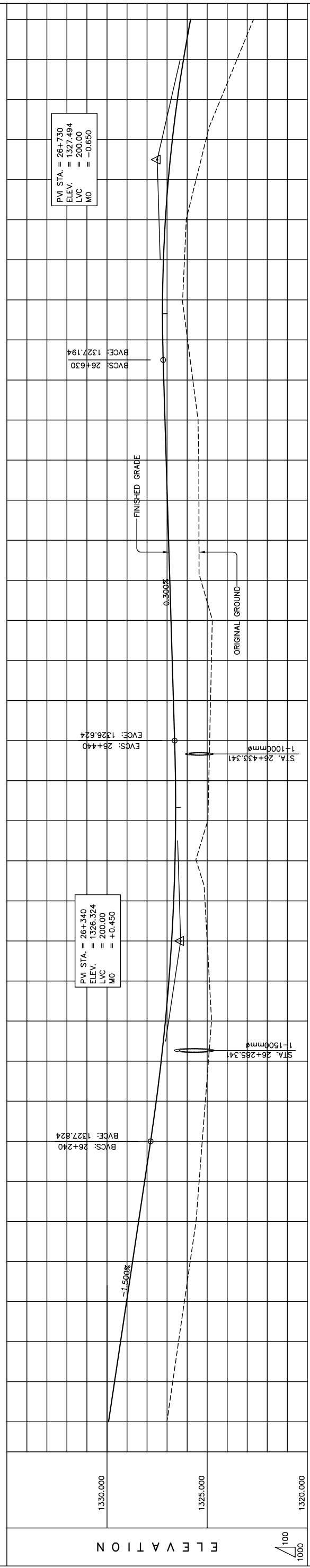
THE BASIC DESIGN STUDY ON CONSTRUCTION OF EASTERN ARTERIAL ROAD IN MONGOLIA

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

Figure 2-2-3-16 Plan and Profile (Section II New Construction Sta.25+400-Sta.26+100)



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
1327.009	1329.924	1329.924			
1326.718	1329.624	1329.624			
1326.428	1329.324	1329.324			
1326.137	1329.024	1329.024			
1325.847	1328.724	1328.724			
1325.557	1328.424	1328.424			
1325.400	1328.124	1328.124			
1325.246	1327.824	1327.824			
1325.091	1327.524	1327.524			
1324.937	1327.296	1327.296			
1324.783	1327.086	1327.086			
1324.783	1326.884	1326.884			
1324.831	1326.684	1326.684			
1324.788	1326.484	1326.484			
1324.745	1326.284	1326.284			
1324.745	1326.084	1326.084			
1325.311	1325.884	1325.884			
1325.408	1325.684	1325.684			
1325.412	1325.484	1325.484			
1325.418	1325.284	1325.284			
1325.457	1325.084	1325.084			
1325.716	1324.884	1324.884			
1325.979	1324.684	1324.684			
1326.225	1324.484	1324.484			
1326.134	1324.284	1324.284			
1326.044	1324.084	1324.084			
1325.554	1323.884	1323.884			
1325.057	1323.684	1323.684			
1324.334	1323.484	1323.484			
1323.510	1323.284	1323.284			
1322.686	1323.084	1323.084			

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

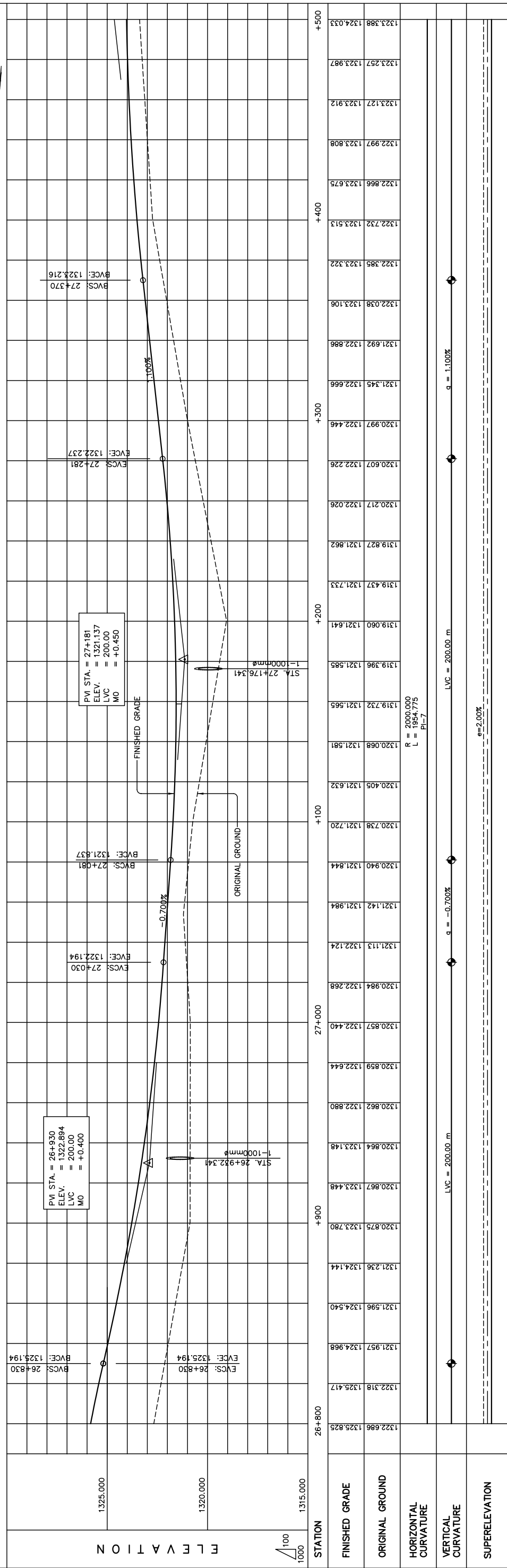
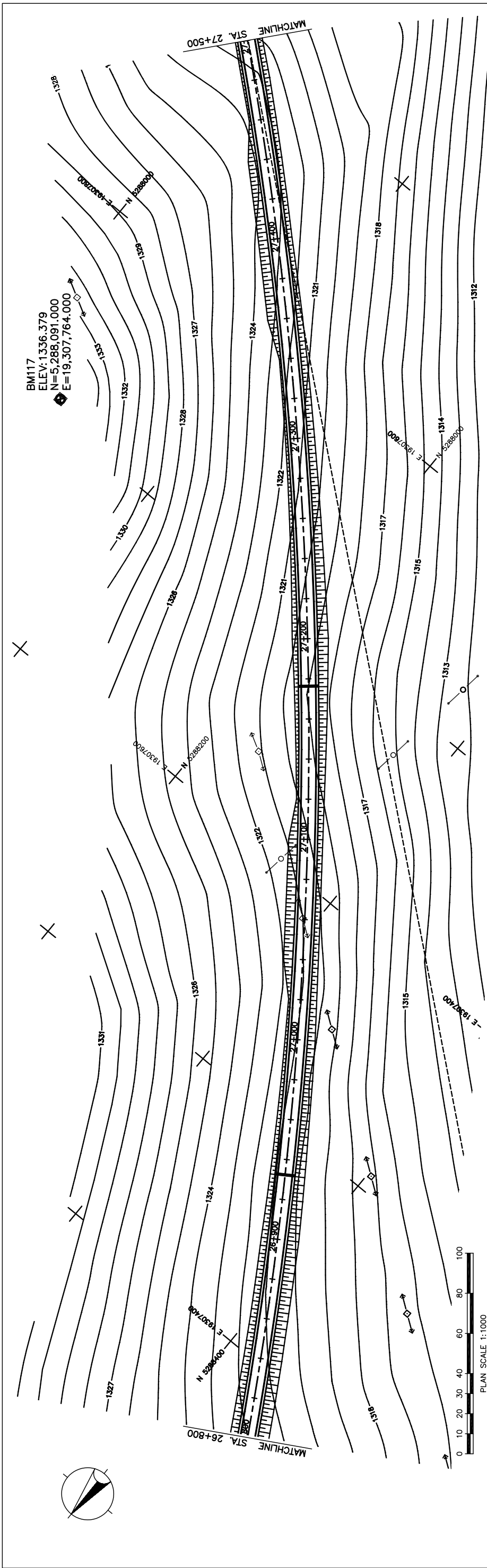
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 PACIFIC CONSULTANTS INTERNATIONAL
 JAPAN OVERSEAS CONSULTANTS

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

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

Scale
 AS SHOWN

Sheet No.
 C-15
 15/21



STATION	FINISHED GRADE	ORIGINAL GROUND	HORIZONTAL CURVATURE	VERTICAL CURVATURE	SUPERELEVATION
1322.318	1325.417	1321.957	1324.968		
1321.957	1324.968	1321.957	1324.968		
1321.596	1324.540	1321.596	1324.540		
1321.236	1324.144	1321.236	1324.144		
1320.875	1323.780	1320.875	1323.780		
1320.867	1323.448	1320.867	1323.448		
1320.864	1323.148	1320.864	1323.148		
1320.862	1322.890	1320.862	1322.890		
1320.859	1322.644	1320.859	1322.644		
1320.857	1322.440	1320.857	1322.440		
1320.984	1322.268	1320.984	1322.268		
1321.113	1322.124	1321.113	1322.124		
1321.142	1321.984	1321.142	1321.984		
1320.940	1321.844	1320.940	1321.844		
1320.738	1321.720	1320.738	1321.720		
1320.405	1321.632	1320.405	1321.632		
1320.068	1321.581	1320.068	1321.581		
1319.732	1321.565	1319.732	1321.565		
1319.396	1321.585	1319.396	1321.585		
1319.060	1321.641	1319.060	1321.641		
1319.437	1321.733	1319.437	1321.733		
1319.827	1321.862	1319.827	1321.862		
1320.217	1322.026	1320.217	1322.026		
1320.607	1322.226	1320.607	1322.226		
1320.997	1322.446	1320.997	1322.446		
1321.345	1322.666	1321.345	1322.666		
1321.692	1322.886	1321.692	1322.886		
1322.038	1323.106	1322.038	1323.106		
1322.385	1323.322	1322.385	1323.322		
1322.732	1323.513	1322.732	1323.513		
1322.866	1323.675	1322.866	1323.675		
1322.997	1323.808	1322.997	1323.808		
1323.127	1323.912	1323.127	1323.912		
1323.257	1323.987	1323.257	1323.987		
1323.388	1324.033	1323.388	1324.033		

Figure 2-2-3-18 Plan and Profile (Section II New Construction Sta.26+800-Sta.27+500)

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

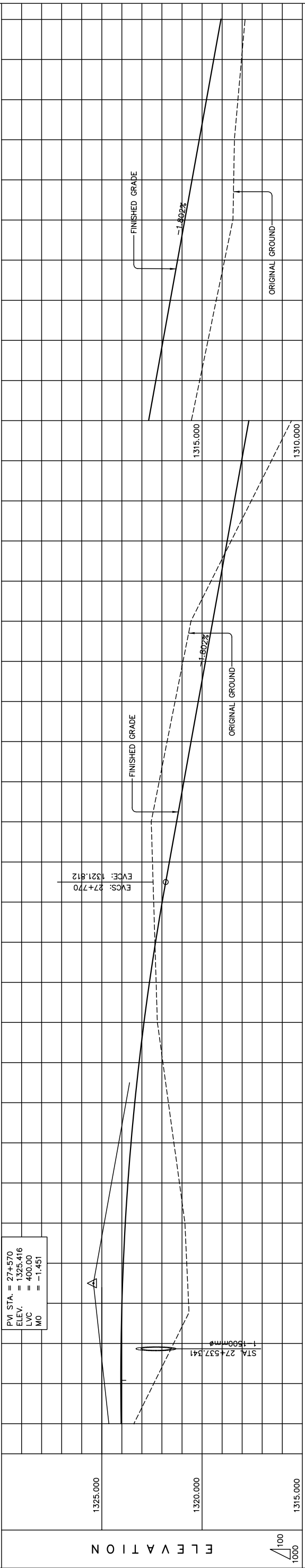
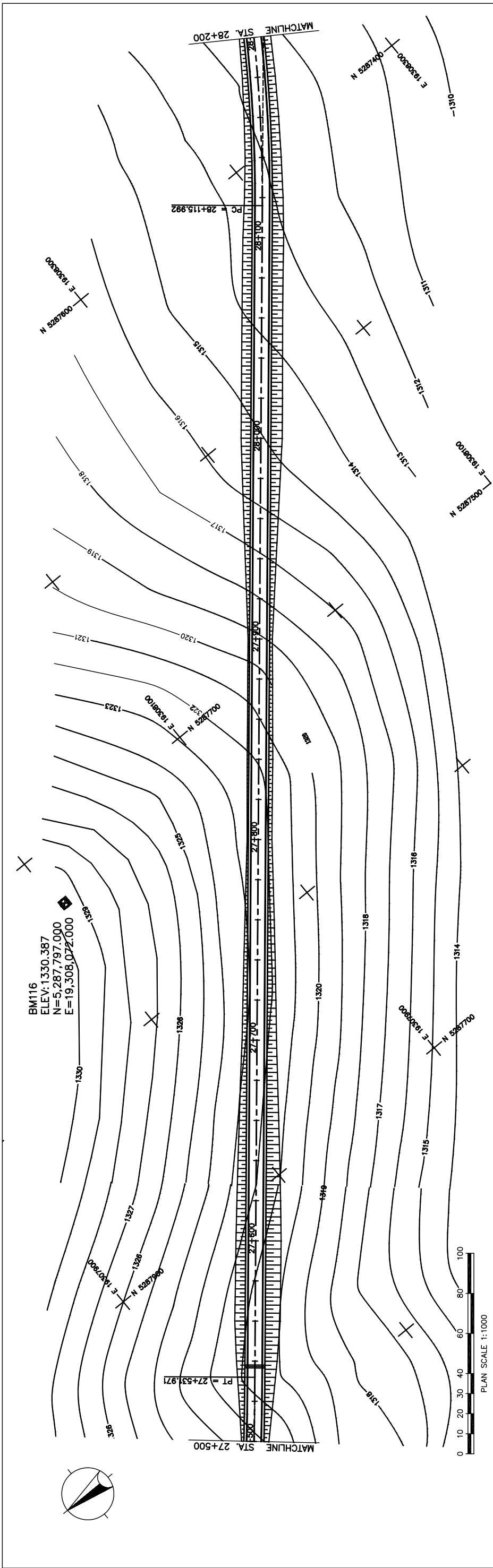
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

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

PACIFIC CONSULTANTS INTERNATIONAL
JAPAN OVERSEAS CONSULTANTS

Scale AS SHOWN

Sheet No. C-16
16/21



STATION	FINISHED GRADE	ORIGINAL GROUND	HORIZONTAL CURVATURE	VERTICAL CURVATURE	SUPERELEVATION
1324.033	1323.288	1321.124	PI-7		
1324.050	1322.415	1324.038			
1324.075	1320.761	1323.926			
1324.100	1320.669	1323.997			
1324.125	1320.852	1323.827			
1324.150	1321.949	1323.140			
1324.175	1322.223	1322.896			
1324.200	1322.288	1322.623			
1324.225	1322.349	1322.320			
1324.250	1322.409	1321.989			
1324.275	1322.470	1321.632			
1324.300	1322.531	1321.272			
1324.325	1322.142	1320.911			
1324.350	1321.745	1320.551			
1324.375	1321.348	1320.191			
1324.400	1320.952	1319.830			
1324.425	1320.555	1319.470			
1324.450	1319.561	1319.109			
1324.475	1318.558	1318.749			
1324.500	1317.554	1318.389			
1324.525	1316.550	1318.028			
1324.550	1315.546	1317.668			
1324.575	1315.121	1317.308			
1324.600	1314.707	1316.947			
1324.625	1314.292	1316.587			
1324.650	1313.878	1316.226			
1324.675	1313.463	1315.866			
1324.700	1313.421	1315.506			
1324.725	1313.385	1315.145			
1324.750	1313.033	1314.785			
1324.775	1313.211	1314.425			
1324.800	1312.855	1314.064			

R = 2000.000
 L = 184.775
 PI-7

R = 750.000
 L = 108.992
 PI-8

STRAIGHT

LVC = 400.00 m

g = -1.802%

g = 2.00%

g = 4.00%

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.27+500 TO STA.28+200)
 (STAGE-1)**

Scale
 AS SHOWN

Sheet No.
 C-17
 17/21