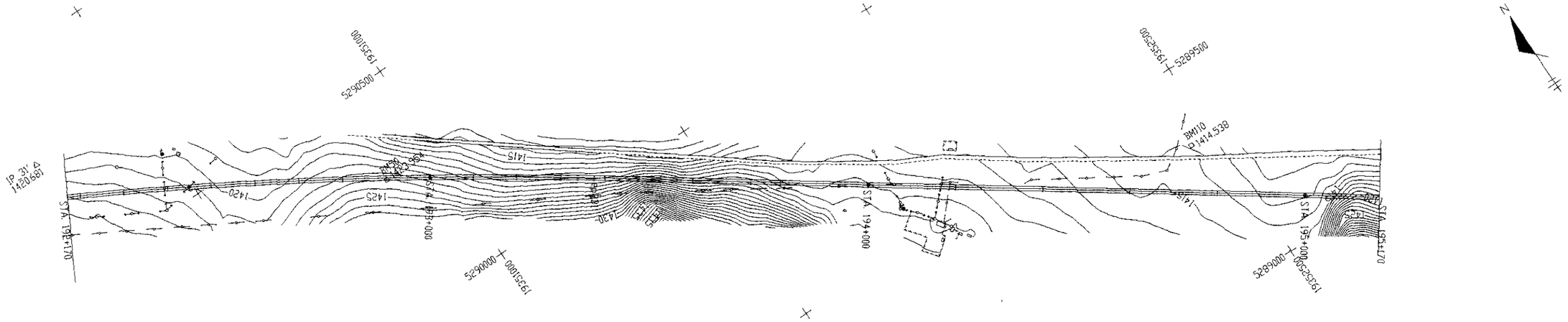
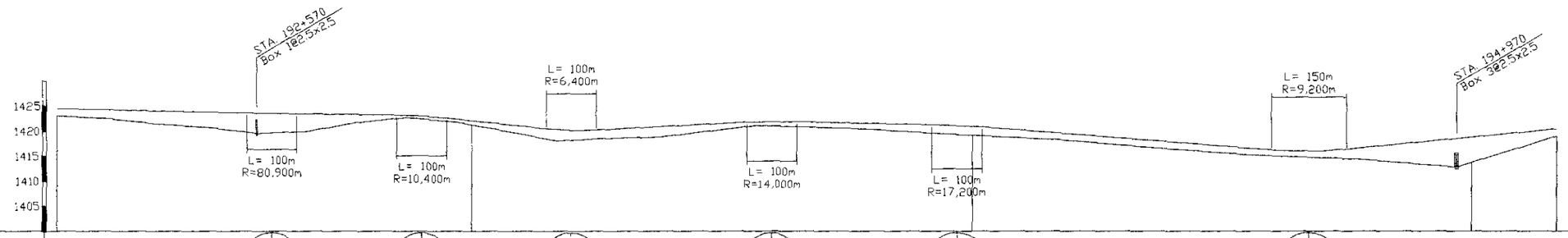
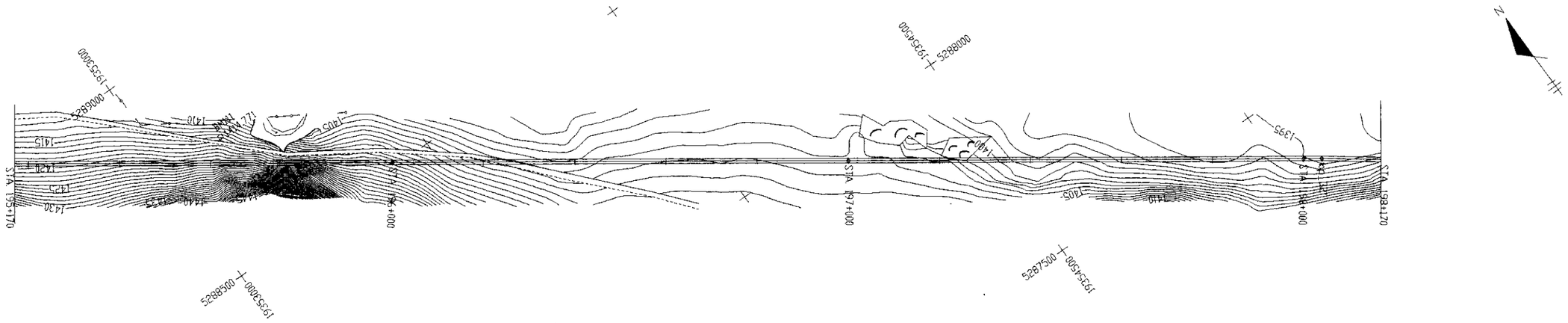


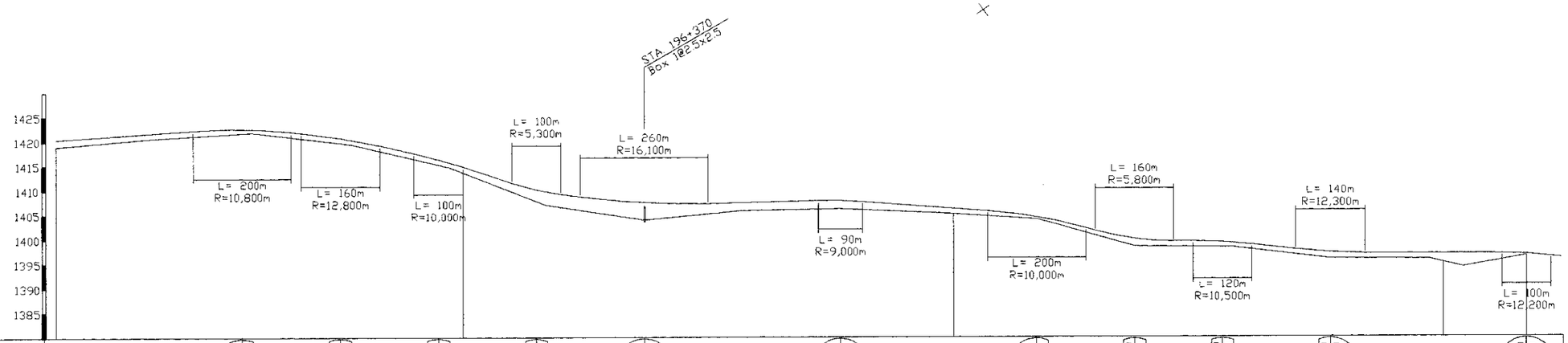


Gradient	i=-0.230 % L=530.000	1423.500 192+600	i=-0.107 % L=300.000	1423.180 192+900	i=-1.060 % L=300.000	1420.000 193+200	i=0.500 % L=400.000	1422.000 193+600	i=-0.211 % L=370.000	1421.220 193+970	i=-0.790 % L=705.000	1415.650 194+675	i=0.840 % L=875.000											
Proposed Height	1424.49	1424.26	1424.03	1423.80	1423.57	1423.52	1423.43	1423.32	1423.19	1423.06	1422.44	1421.38	1420.35	1420.20	1420.35	1421.84	1421.91	1421.64	1421.15	1419.64	1418.06	1416.48	1415.96	1416.45	1418.13	1419.81
Ground Height	1423.05	1422.58	1421.48	1420.74	1419.58	1419.94	1421.72	1422.73	1421.83	1419.99	1418.04	1418.57	1418.86	1421.10	1420.52	1419.30	1418.31	1416.61	1415.16	1414.38	1412.83	1419.02				
Cutting Depth																										
Embankment height	1.44	1.68	2.55	3.06		3.49	1.60	0.46	0.61	1.39	2.31	1.78		0.74	1.12	1.85	1.33	1.45	1.32	2.07		0.79				
Distance	192_170	192_200	192_300	192_400	192_500	192_600	192_700	192_800	192_900	193_000	193_100	193_200	ep_31'	193_400	193_600	193_800	194_000	194_200	194_400	194_600	194_800	195_000	195_170			
Horizontal Alignment	R=10000																			R = ∞						

192_170 - 195_170

THE FEASIBILITY 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	Scale	No.
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-31

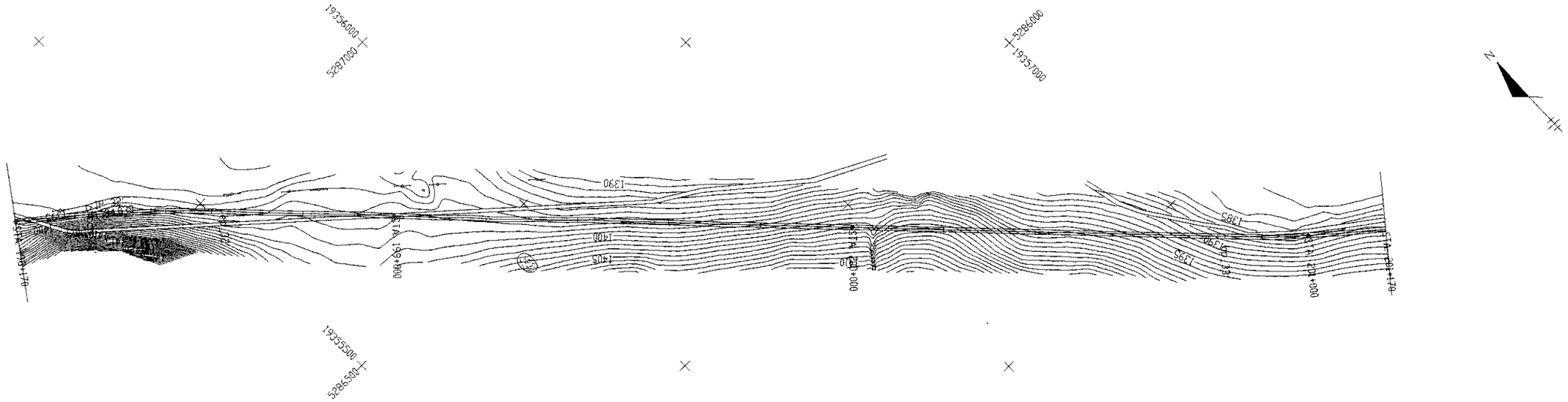


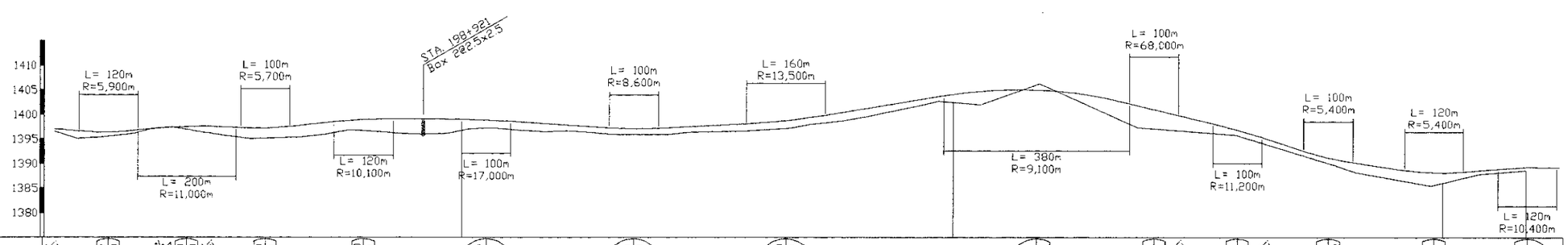


Gradient	i= 0.840 % L=875.000	1423.000 195+550	i=-1.000% L=200.000	1421.000 195+750	i=-2.250% L=200.000	1416.500 195+950	i=-3.250% L=200.000	1410.000 196+150	i=-1.364% L=220.000	1407.000 196+370	i= 0.250% L=400.000	1408.000 196+770	i=-0.750 % L=400.000	1405.000 197+170	i=-2.750% L=200.000	1399.500 197+370	i=0.000% L=180.000	1399.500 197+550	i=-1.136% L=220.000	1397.000 197+770	i=0.000% L=400.000	1397.000 198+170			
Proposed Height	1419.81	1421.49	1422.54 1422.51	1420.75 1420.41	1416.38 1415.81	1410.24 1409.81	1407.52	1407.50	1407.89	1406.50	1404.50	1400.05	1399.33 1399.20	1397.20	1397.00	1396.90								
Ground Height	1419.02	1420.68	1421.90	1419.45	1414.80	1407.07	1403.97	1405.83	1406.23	1405.35	1404.10	1398.51	1398.34	1395.98	1395.91	1394.25	1396.53							
Cutting Depth																								
Embankment height	0.79	0.81	0.61	0.96	1.01	2.74	3.55	1.67	1.66	1.15	0.40	1.54	0.86	1.22	1.09	0.37								
Distance	195_170	195_200	195_400	195_600	195_800	196_000	196_200	196_400	196_600	196_800	197_000	197_200	197_400	197_600	197_800	198_000	bp_32'	198_100	198_170					
Horizontal Alignment	R=3000																							

195_170 - 198_170

THE FEASIBILITY 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	Scale	No
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-32



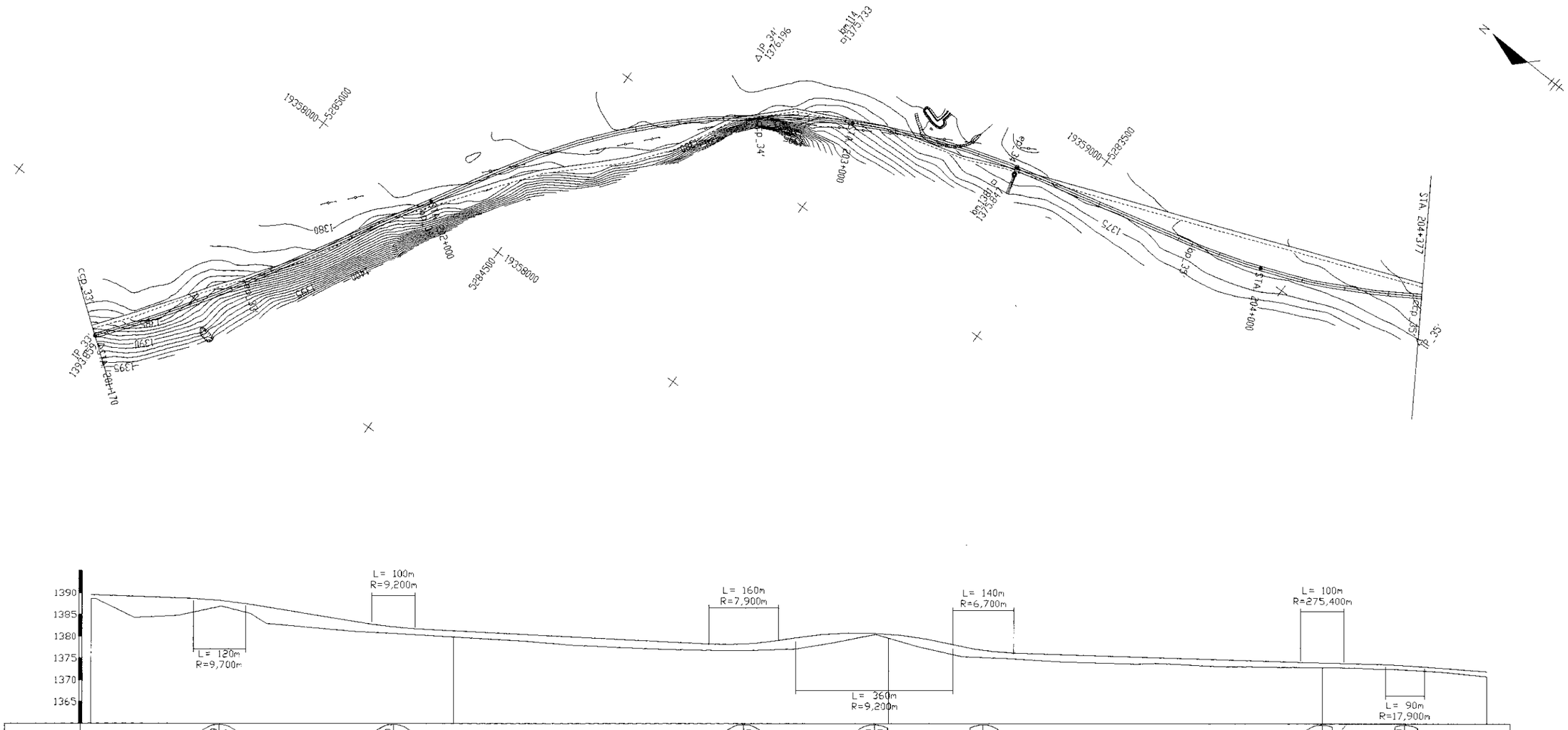


Gradient	i=-0.918% L=110.000	1396.100 198+280	i=-1.887% L=160.000	1398.000 198+440	i=-0.625% L=160.000	1397.000 198+600	i=1.100% L=200.000	1399.200 198+800	i=-0.080 % L=250.000	1399.000 199+050	i=-0.667 % L=300.000	1397.000 199+350	i= 0.484 % L=310.000	1398.500 199+660	i= 1.667 % L=510.000	1407.000 200+170	i=-2.500 % L=240.000	1401.000 200+410	i=-2.353 % L=170.000	1397.000 200+580	i=-3.243 % L=185.000	1391.000 200+765	i=-1.395 % L=215.000	1388.000 200+980	i=-0.789% L=190.000	1389.500 201+170
Proposed Height	1396.90	1396.39 1396.40	1397.13	1397.55 1397.59	1397.22 1397.22	1398.83 1399.02	1399.10	1399.06	1398.93	1398.20	1397.14 1397.15	1398.06	1398.74	1400.33	1403.67	1405.02	1402.00	1401.02	1397.16 1396.89	1391.23 1391.12	1389.53	1388.37 1388.33	1388.71	1389.33	
Ground Height	1396.53	1395.42	1397.15	1396.46	1395.13 1395.23	1396.86	1396.16	1396.57	1395.93	1396.64	1398.62	1402.68	1402.10 1402.00 1402.01	1406.28	1397.39	1395.85	1389.79	1388.26	1387.29	1385.48	1387.91	1388.67			
Cutting Depth														1.26											
Embankment height	0.37	0.97	0.02	1.13	2.09	1.97	2.90	1.63	1.22	1.42	1.71	0.99			4.61	1.31	1.33	2.24	2.89	0.80	0.66				
Distance	198_170 198_200	198_300	ccp_32' 198_400	198_500	198_600	ep_32' 198_800	199_000	199_200	199_400	199_600	199_800	200_000	200_200	200_400	200_600	200_800	bp_33' 200_900	201_000	201_100	201_170					
Horizontal Alignment	R=3000	R = ∞																			R=2500				

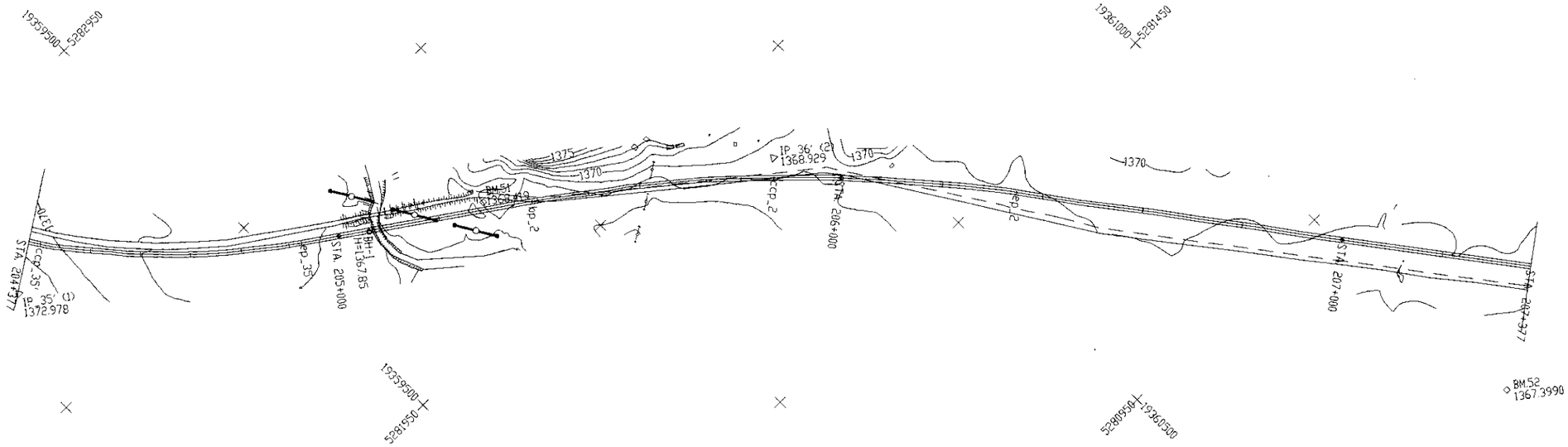
198_170 - 201_170

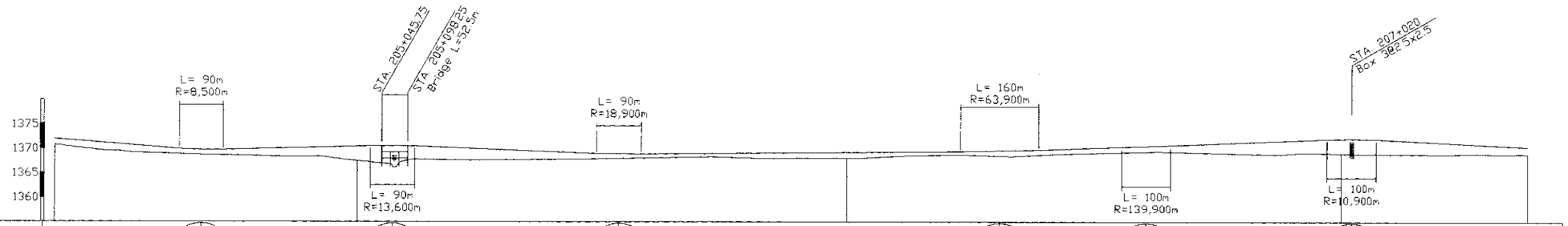
THE FEASIBILITY STUDY ON CONSTRUCTION OF EASTERN ARTERIAL ROAD IN MONGOLIA

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	DEPARTMENT OF ROADS, MINISTRY OF INFRASTRUCTURE, THE GOVERNMENT OF MONGOLIA	
PACIFIC CONSULTANTS INTERNATIONAL JAPAN OVERSEAS CONSULTANTS		
Drawing title	Scale	No.
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-33


N
19358000
5285000
19359000
5283500
5284500
19358000
STA. 204+377
STA. 204+000
STA. 203+000
ccp_33'
ccp_35'
bp_35'
ep_34'
1390
1385
1380
1375
1370
1365
L= 120m
R=9,700m
L= 100m
R=9,200m
L= 160m
R=7,900m
L= 140m
R=6,700m
L= 360m
R=9,200m
L= 100m
R=275,400m
L= 90m
R=17,900m

| | | |

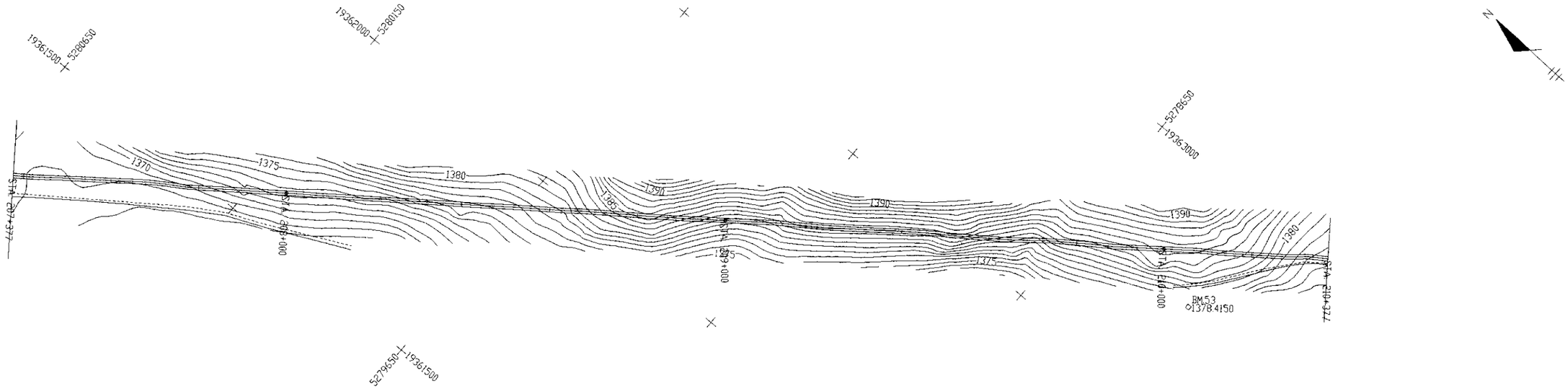


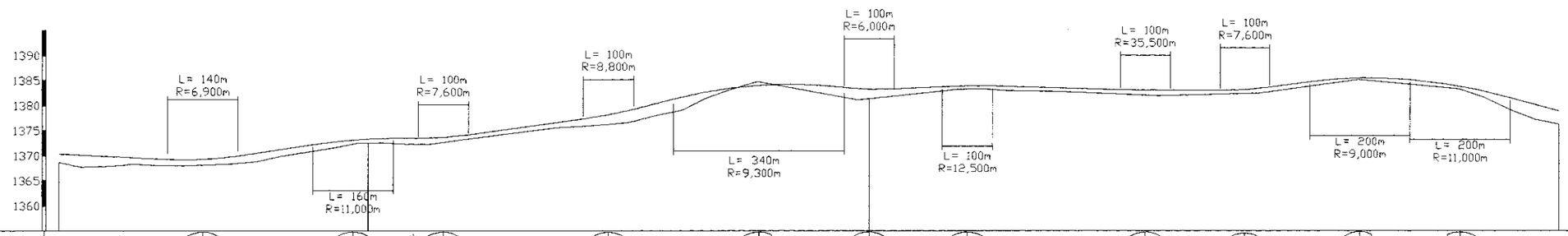


Gradient	i=-0.786 % L=490.000	1369.610 204+680	i=0.269 % L=390.000	1370.660 205+070	i=-0.391 % L=460.000	1368.860 205+530	i=0.083 % L=770.000	1369.500 206+300	i=0.333 % L=300.000	1370.500 206+600	i=-0.405% L=420.000	1372.200 207+020	i=-0.506% L=650.000													
Proposed Height	1371.99	1371.21	1370.42	1369.74 1369.73	1369.87	1370.14	1370.41	1370.58 1370.59	1370.54	1370.24	1369.46	1368.91	1368.90	1368.98	1369.07	1369.15	1369.23	1369.31	1369.40	1369.51 1369.55	1369.76	1370.43 1370.51	1371.22	1372.02	1372.09	1371.41	1370.39
Ground Height	1370.79	1369.62	1369.08	1368.76	1368.60	1368.32	1368.42	1367.75	1367.85 1366.30	1367.61	1367.80 1367.81	1368.14	1368.35	1367.97	1368.10 1368.05	1368.11	1368.60	1368.76	1368.43	1368.90 1368.53		1369.43	1368.94	1368.92		1368.84	1368.60
Cutting Depth																										
Embankment height	1.20	1.59	1.34	0.98	1.27	1.82	2.66	4.29	2.63	1.66		0.76	0.63	1.10	1.10	1.12	0.71	0.64	1.08	0.86		1.00	2.28	3.10		2.57	1.79
Distance	204_377 204_400	204_500	204_600	204_700	204_800	ep_35'	205_000	205_200	bp_2 205_400	205_500	205_600	205_700	205_800	ccp_2 205_900	206_000	206_100	206_200	206_300	ep_2 206_400			206_600	206_800	207_000		207_200	207_377
Horizontal Alignment	R=1500						R = ∞							R = 3000												R = ∞

204_377 - 207_377

THE FEASIBILITY 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	Scale	No.
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-35

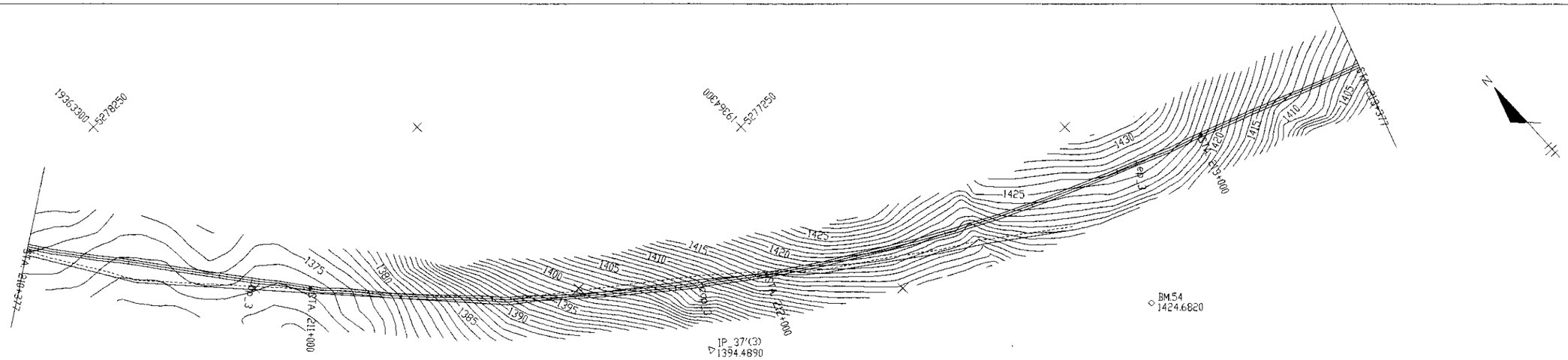


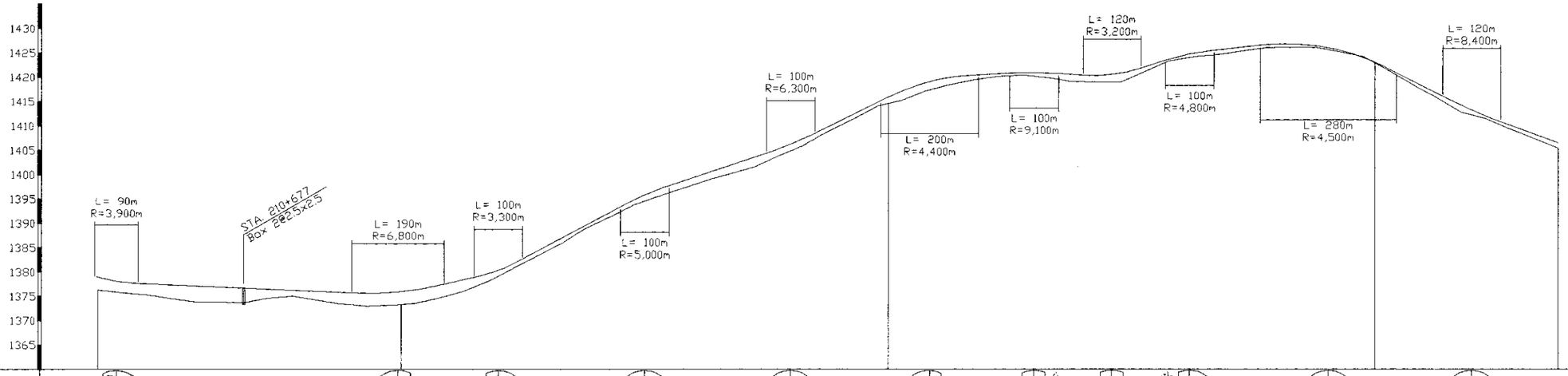


Gradient	i = -0.506% L=650.000	1368.910 207+670	i = 1.500% L=300.000	1373.410 207+970	i=0.050% L=180.000	1373.500 208+150	i = 1.364% L=330.000	1378.000 208+480	i = 2.500% L=300.000	1385.500 208+780	i = -1.136% L=220.000	1383.000 209+000	i = 0.513% L=195.000	1384.000 209+195	i = -0.282% L=355.000	1383.000 209+550	i =0.000% L=200.000	1383.000 209+750	i = 1.304 % L=230.000	1386.000 209+980	i = -0.900% L=200.000	1384.200 210+180	i = -2.706% L=235.000	
Proposed Height	1370.39	1369.38	1369.26	1370.52	1373.17	1373.12	1373.66	1373.90	1376.60	1378.14	1380.43	1383.92	1383.95	1383.32	1383.21	1383.87	1383.90	1383.49	1383.04	1383.01	1383.16	1383.39	1385.44	1385.45	1383.89	1383.75	1378.87
Ground Height	1368.60	1368.08		1368.78	1372.46		1373.07		1375.55		1378.07	1384.71		1382.34	1381.10	1383.20		1382.78	1381.92		1382.45		1385.12		1383.31		1376.30
Cutting Depth													0.78														
Embankment height	1.79	1.30		1.74	0.71		0.83		1.05		2.36			2.22		0.67		0.71	1.09		0.94		0.32		0.49		2.57
Distance	207_377 207_400		207_600		207_800		208_000		208_200		208_400		208_600		208_800		209_000		209_200		209_400		209_600		209_800		210_000		210_200		210_377
Horizontal Alignment	R = ∞																																			

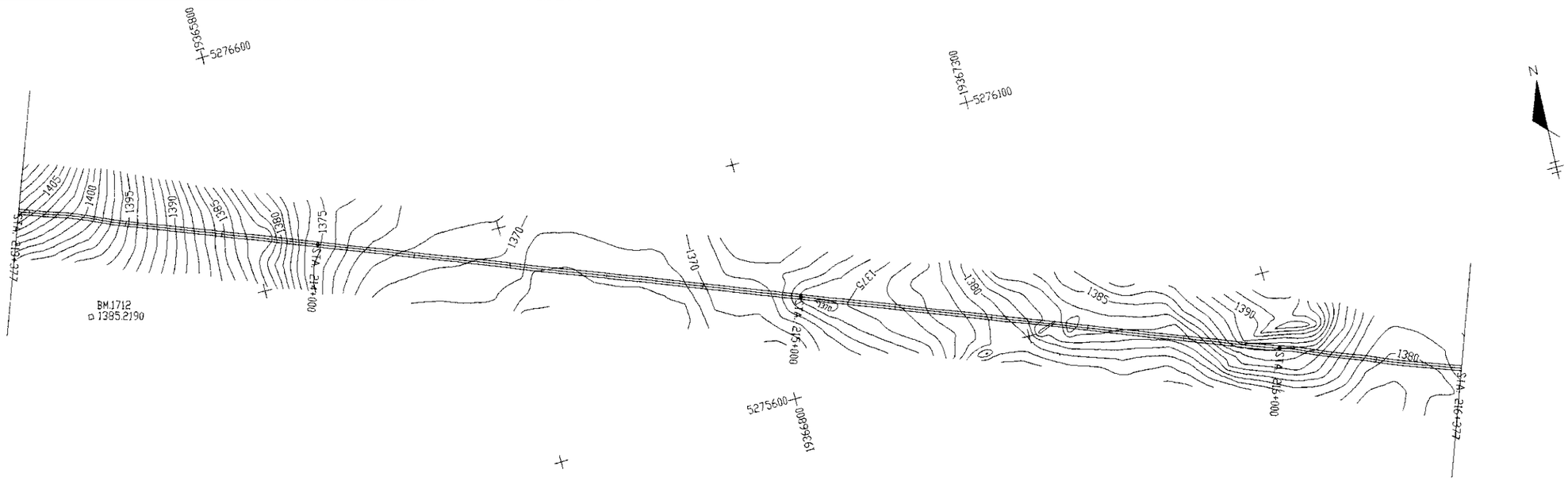
207_377 - 210_377

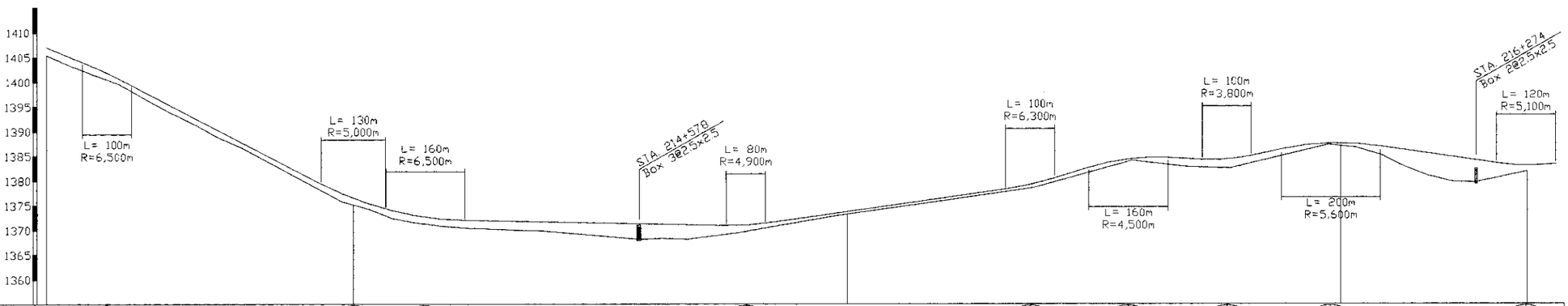
THE FEASIBILITY STUDY ON CONSTRUCTION OF EASTERN ARTERIAL ROAD IN MONGOLIA		
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	DEPARTMENT OF ROADS, MINISTRY OF INFRASTRUCTURE, THE GOVERNMENT OF MONGOLIA	
PACIFIC CONSULTANTS INTERNATIONAL JAPAN OVERSEAS CONSULTANTS		
Drawing title	Scale	No
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-36


19363300
5278250
19364300
5277250
N
BM.54
1424.6820
IP_37'(3)
1394.4890
STA. 211+000
STA. 212+000
STA. 213+000
ep_3
bp_3


L= 90m
R=3,900m
STA. 210+677
Box 2@2.5x2.5
L= 190m
R=6,800m
L= 100m
R=3,300m
L= 100m
R=5,000m
L= 100m
R=6,300m
L= 200m
R=4,400m
L= 100m
R=9,100m
L= 120m
R=3,200m
L= 100m
R=4,800m
L= 280m
R=4,500m
L= 120m
R=8,400m

| | | |

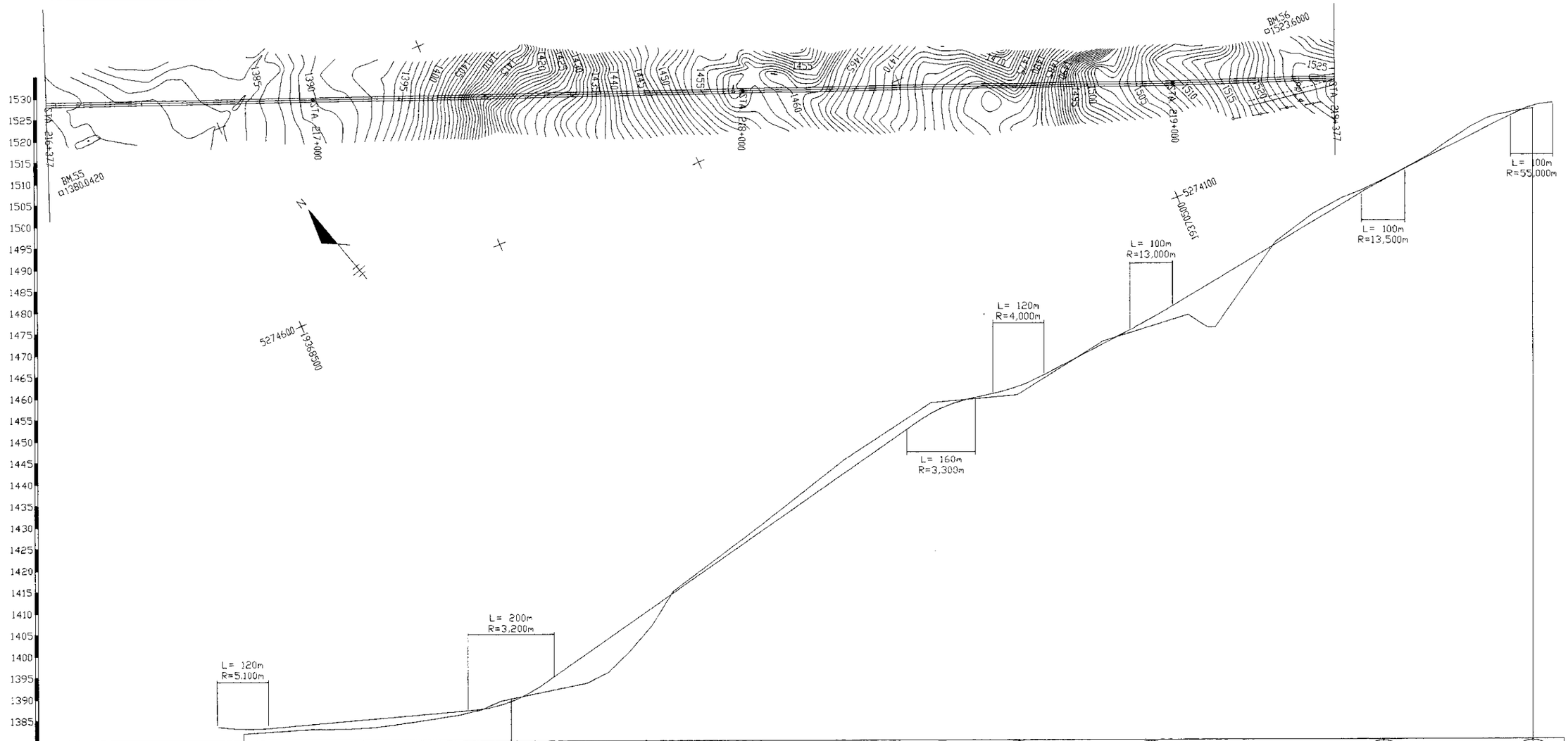




Gradient	i=-3.667% L=300.000	1402.000 213+500	i=-5.200% L=500.000	1376.000 214+000	i=-2.041% L=145.000	1372.180 214+145	i=-0.208% L=650.000	1370.830 214+795	i=1.421% L=575.000	1379.000 215+370	i=3.000% L=200.000	1385.000 215+570	i=-0.500% L=200.000	1384.000 215+770	i=2.095% L=210.000	1388.400 215+980	i=-1.468% L=395.000	1382.600 216+375
Proposed Height	1406.51	1401.81	1398.00	1387.60	1377.37 1376.42	1372.67 1372.29	1371.70	1371.28	1370.92 1370.99	1373.42	1376.26	1379.20 1379.36	1384.30 1384.38	1384.32 1384.39	1387.50 1387.51	1385.51	1384.08	1382.95 1382.94
Ground Height	1405.38	1396.63	1386.50	1375.77	1370.89	1369.89	1368.18	1369.37	1372.89	1375.68	1378.53	1384.02	1382.49	1387.32	1380.94	1381.88		
Cutting Depth																		
Embankment height	1.13	1.37	1.10	1.60	1.40	1.81		1.55	0.53	0.58	0.83	0.36	1.90	0.18	4.57	1.06		
Distance	213_377 213_400	213_600	213_800	214_000	214_200	214_400	214_600	214_800	215_000	215_200	215_400	215_600	215_800	216_000	216_200	216_377		
Horizontal Alignment	R = ∞																	

213_377 - 216_377

THE FEASIBILITY 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	Scale	No.
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-38



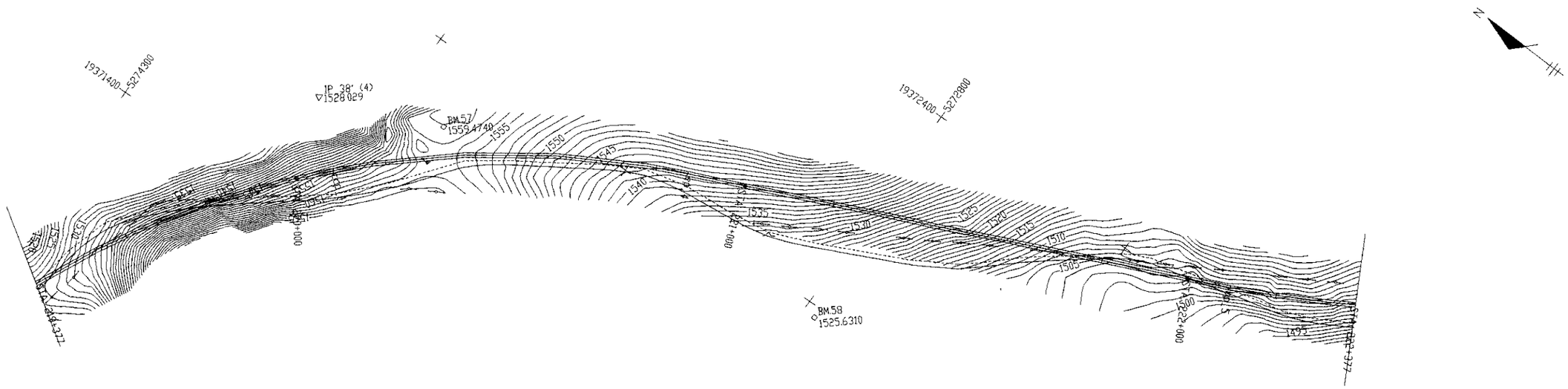
Gradient	1382.600 216+375	i = 0.864% L=625.000	1388.000 217+000	i = 7.000 % L=1000.000	1458.000 218+000	i = -2.222% L=180.000	1462.000 218+180	i = 5.161 % L=310.000	1478.000 218+490	i = 5.926% L=540.000	1510.000 219+030	i = 5.187% L=347.000	1528.000 219+377					
Proposed Height	1382.94	1384.35	1386.07	1388.71 1389.53	1400.39	1414.39	1428.39	1442.39	1455.90 1457.04	1462.33 1462.44	1472.17	1478.10	1483.16	1495.01	1506.86	1509.91	1517.63	1528.02
Ground Height	1381.88	1382.86	1384.58	1389.39	1393.41	1414.71	1429.68	1445.36	1458.58	1460.35	1472.78		1478.96	1476.00 1476.05 1476.01 1495.94	1507.97		1519.17	1525.50 1526.96
Cutting Depth				0.68		0.32	1.29	2.97	2.68		0.61			0.93	1.11		1.54	
Embankment height	1.06	1.49	1.49		6.98					1.98			4.20					1.06
Distance	216_377 216_400	216_600	216_800	217_000	217_200	217_400	217_600	217_800	218_000	218_200	218_400	218_600	218_800		219_000		219_200	kp_4 219_377
Horizontal Alignment	R = ∞																	R= 2000

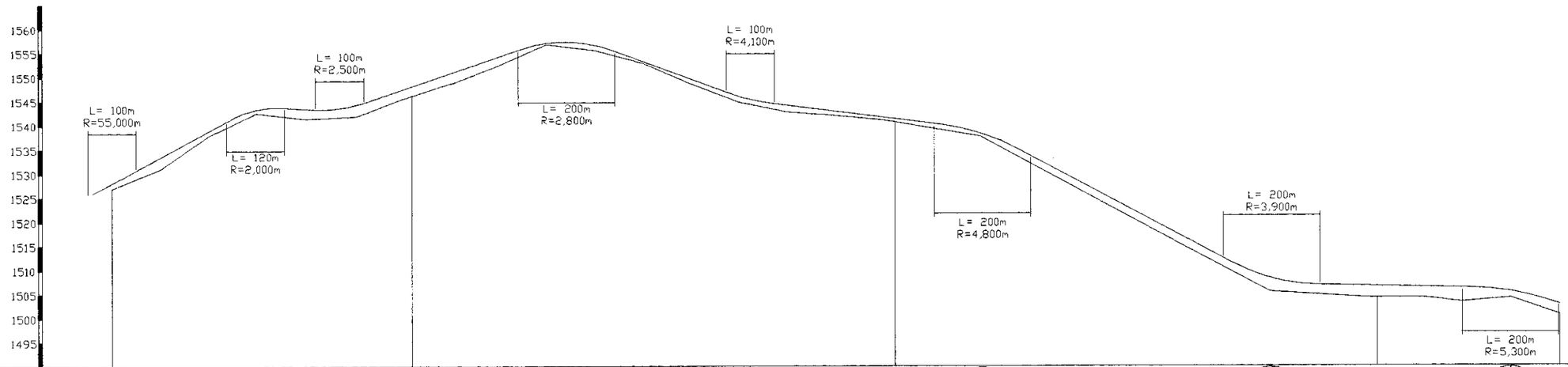
216_377 - 219_377

THE FEASIBILITY 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	Scale	No
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-39

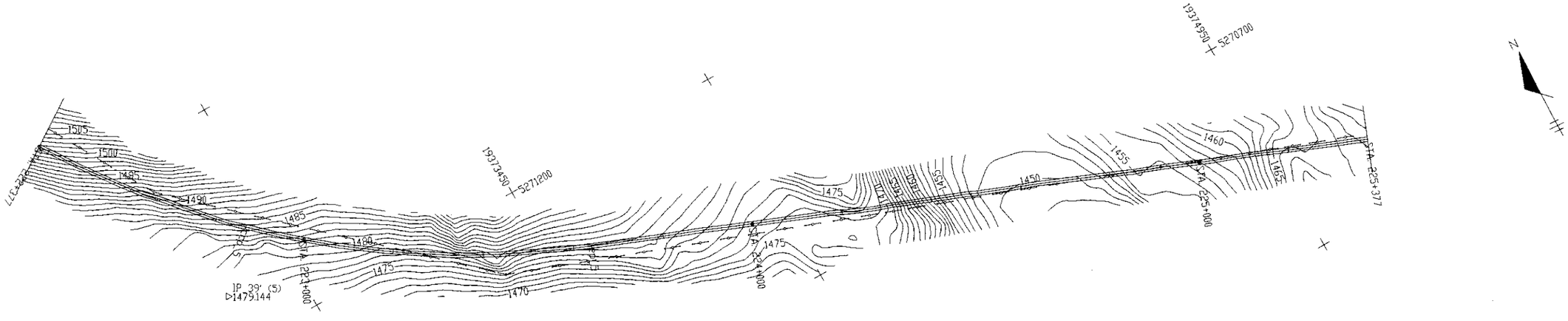


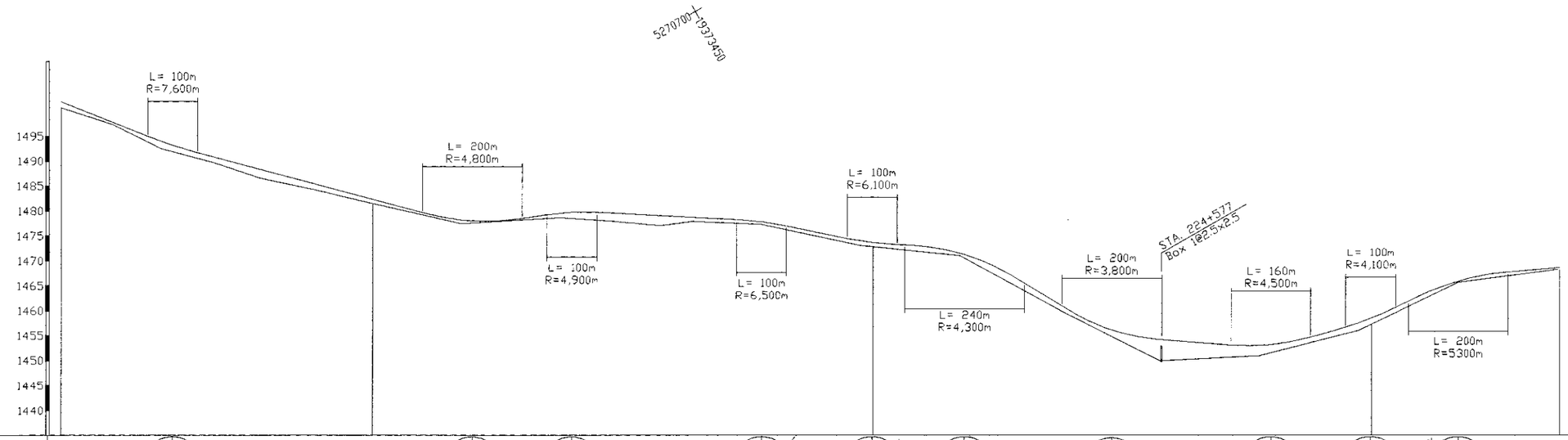


Gradient	1528.000 219+377	i = 5.369 % L=298.000	1544.000 219+675	i = -0.571 % L=175.000	1543.000 219+850	i = -3.404 % L=470.000	1559.000 220+320	i = -3.684 % L=380.000	1545.000 220+700	i = -1.250 % L=480.000	1539.000 221+180	i = -5.333 % L=600.000	1507.000 221+780	i = -0.222 % L=495.000	1505.900 222+275	i = -3.969 % L=325.000												
Proposed Height	1528.02	1533.37	1538.74	1543.11 1543.16	1543.42	1543.50 1544.02	1547.32	1550.73	1554.13	1556.96	1557.23	1556.57	1553.22	1549.53	1545.94 1545.30	1544.04	1541.54	1538.08 1537.98	1528.49	1517.83	1508.36 1508.28	1506.56	1506.12	1504.95 1504.92	1501.85				
Ground Height	1526.96	1530.96	1537.78	1542.56	1541.36	1541.87	1545.44	1548.65 1548.70	1552.38	1556.74	1555.63	1552.86	1548.54	1544.75	1542.68	1542.03	1541.01	1537.68	1526.82	1516.02	1505.45	1504.15	1504.16	1503.28	1504.11	1500.74			
Cutting Depth																												
Embankment height	1.06	2.41	0.96	0.60	2.06	2.15	1.88	2.08	1.75	0.22	0.94	0.36	0.99	1.19	1.36		0.53	0.40	1.67	1.81	2.91	2.41		2.84	0.81	1.11			
Distance	219_377 219_400		219_600		219_800		220_000	ccp_4	220_200		220_400		220_600		220_800	ep_4	221_000	221_200		221_400	221_600	221_800	222_000	bp_5	222_200		222_377		
Horizontal Alignment	R=2000																R = ∞										R=2000		

219_377 - 222_377

THE FEASIBILITY 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	Scale	No
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-40

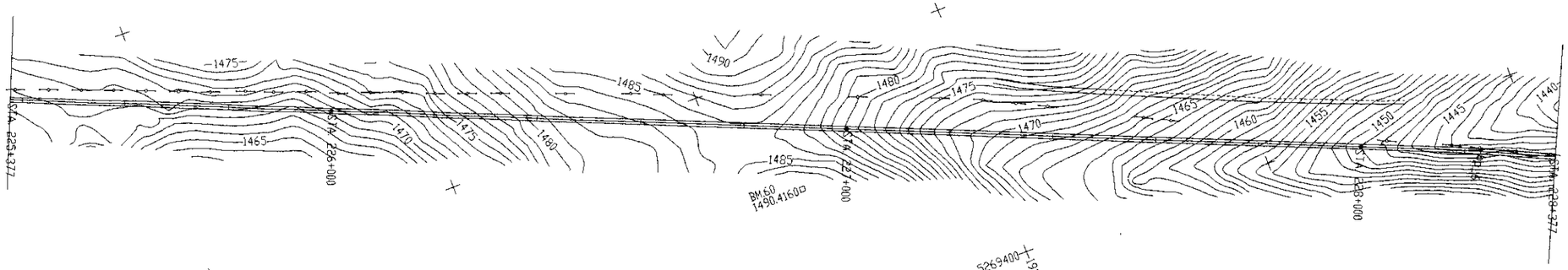


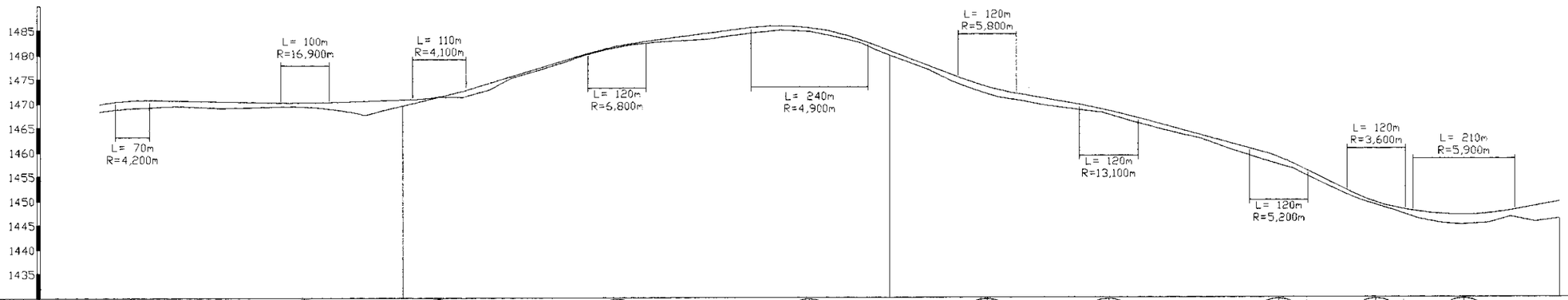


Gradient	i = -3.969 % L=325.000	1493.000 222+600	i = -2.667 % L=600.000	1477.000 223+200	i = 1.500% L=200.000	1480.000 223+400	i = -0.526 % L=380.000	1478.000 223+780	i = -2.045% L=220.000	1473.500 224+000	i = -0.432% L=185.000	1472.700 224+185	i = -6.000% L=295.000	1455.000 224+480	i = -0.781% L=320.000	1452.500 224+800	i = 2.750% L=200.000	1458.000 225+000	i = 5.143% L=175.000	1467.000 225+175	i = 1.407 % L=270.000								
Proposed Height	1501.85	1497.88	1493.96 1493.16	1490.95	1488.28	1485.61	1482.95	1480.28	1478.23 1478.04	1479.58 1479.75	1479.59	1479.07	1477.85 1477.81	1474.03 1473.70	1471.28 1471.03	1461.18	1456.30	1454.24	1453.04 1453.21	1457.45 1458.30	1466.07 1466.13	1469.84							
Ground Height	1500.74	1497.47	1492.55	1489.81	1486.61	1484.63 1484.47	1482.09	1479.79	1477.55	1478.73	1478.08	1477.10	1477.92	1477.38	1473.12	1471.14	1460.21	1450.06	1451.06	1456.12	1465.80	1468.37							
Cutting Depth																													
Embankment height	1.11	0.41	1.41	1.14	1.67	1.14	0.86	0.49	0.68	0.85	1.51	1.97		0.47	0.91	0.14	0.97		1.98	1.33	0.33	1.47							
Distance	222_377 222_400	222_600	222_800	ccp_5	223_000	223_200	223_400	223_600	ep_5	223_800	224_000	224_200	224_400	224_600	224_800	225_000	225_200	225_377											
Horizontal Alignment	R=2000													R = ∞															

222_377 - 225_377

THE FEASIBILITY 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	Scale	No.
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-41

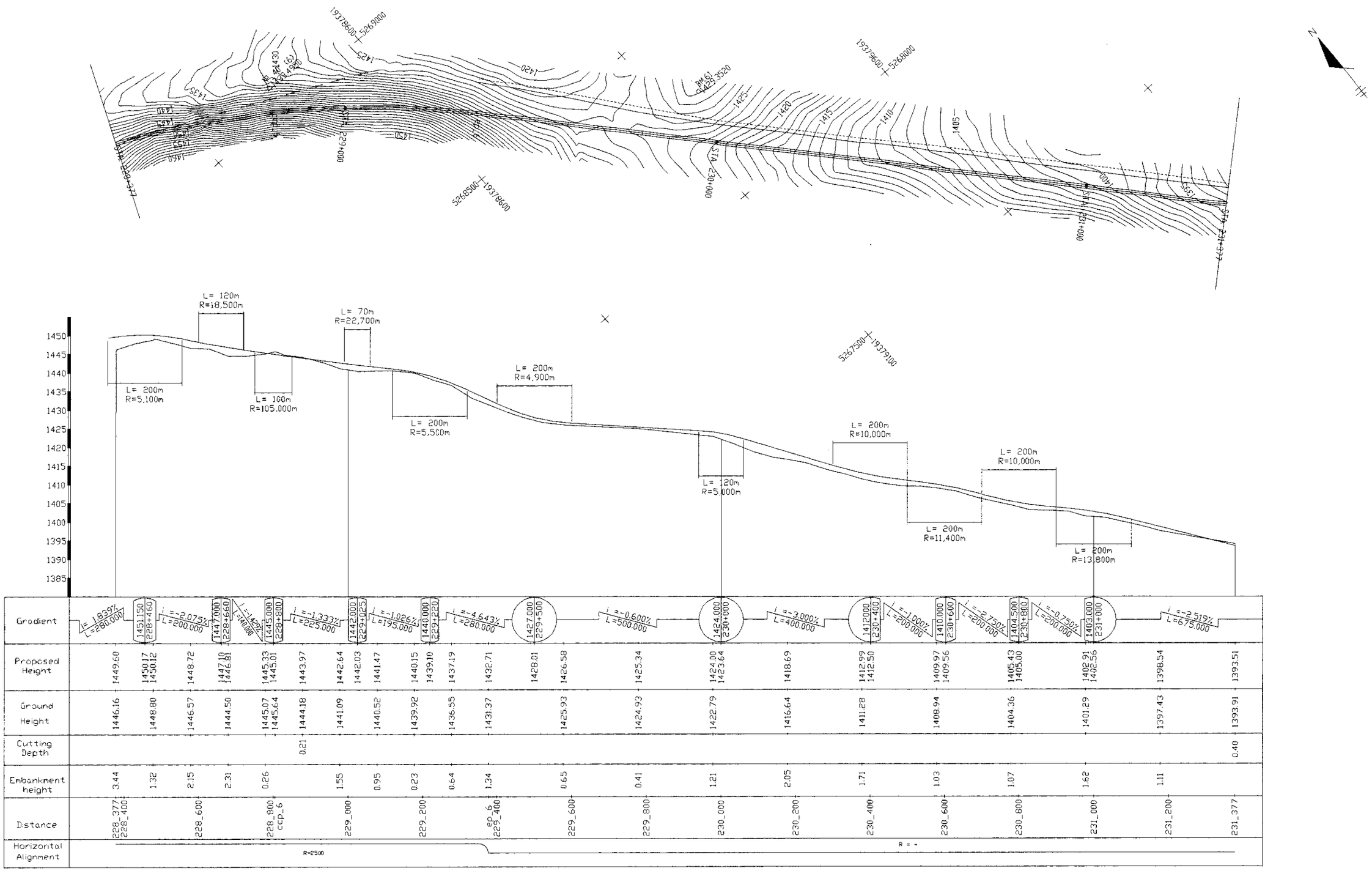




Gradient	i = 1.407% L=270.000	1470.800 225+445	i = -0.225% L=355.000	1470.000 225+800	i = 0.364 % L=275.000	1471.000 226+075	i = 3.014 % L=365.000	1482.000 226+440	i = 1.266 % L=395.000	1487.000 226+835	i = -3.836% L=365.000	1473.000 227+200	i = -1.800% L=250.000	1468.500 227+450	i = -2.714% L=350.000	1459.000 227+800	i = -5.000% L=200.000	1449.000 228+000	i = -1.667% L=180.000	1446.000 228+180	i = 1.839 % L=280.000						
Proposed Height	1469.84	1470.66	1470.50	1470.07 1470.07	1470.64	1471.36	1474.07	1480.10	1481.74	1483.73	1485.86	1485.47	1481.55	1474.00 1473.31	1469.81	1468.36	1465.05	1459.49 1458.66	1450.34 1449.50	1446.92 1446.92	1447.79	1449.60					
Ground Height	1468.37		1469.29	1469.40	1468.94	1472.71	1479.98	1482.85	1484.99	1480.62	1472.62	1468.69	1464.02	1457.97	1449.61	1444.87	1445.23	1446.48	1446.16							
Cutting Depth																										
Embankment height	1.47		1.21	0.67	1.70	1.36	0.12	0.88	0.87	0.93	1.38	1.12	1.03	1.52	0.73	2.05	1.31	3.44								
Distance	225_377 225_400		225_600	225_800	226_000	226_200	226_400	226_600	226_800	227_000	227_200	227_400	227_600	227_800	228_000	228_200	kp_6	228_377								
Horizontal Alignment	R = ∞																	R=2500								

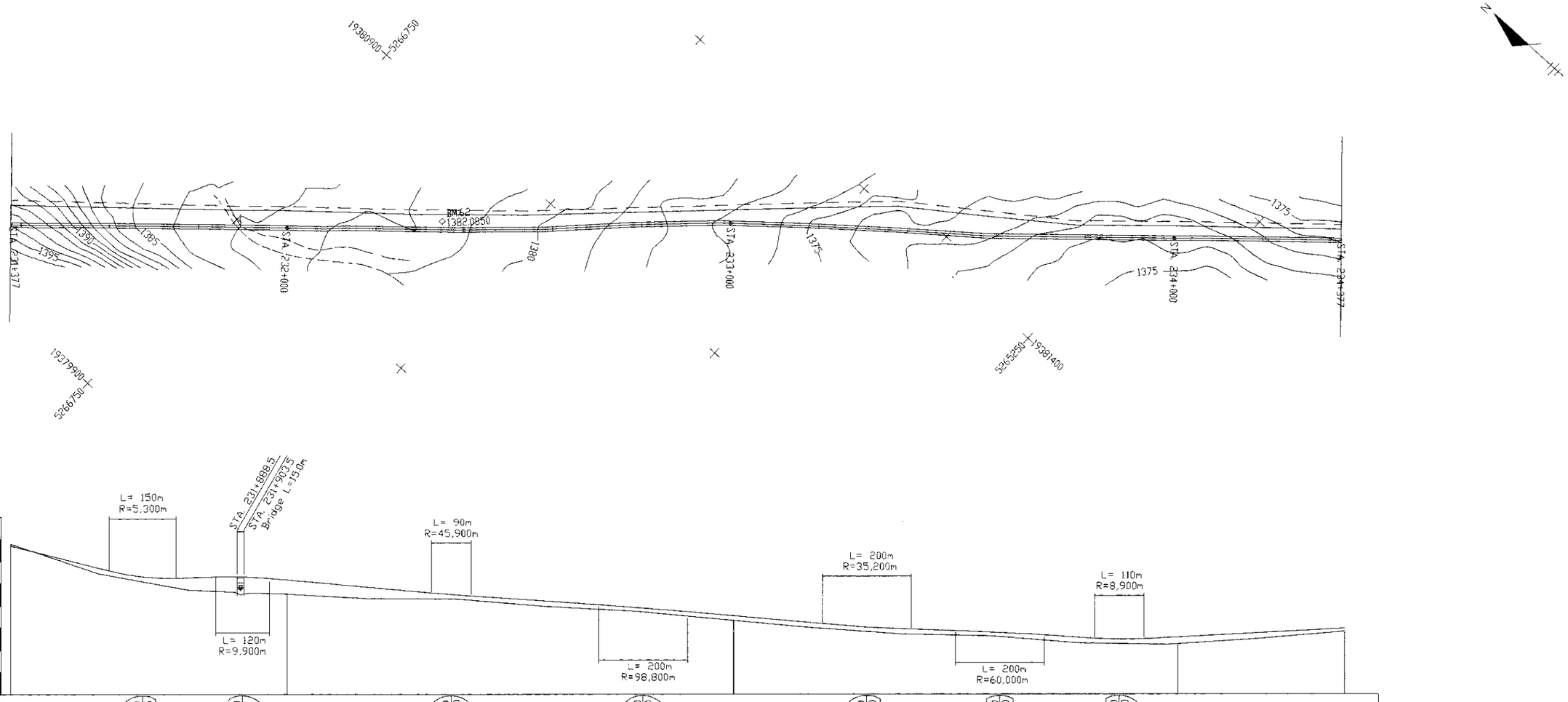
225_377 - 228_377

THE FEASIBILITY 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	Scale	No.
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-42



228_377 - 231_377

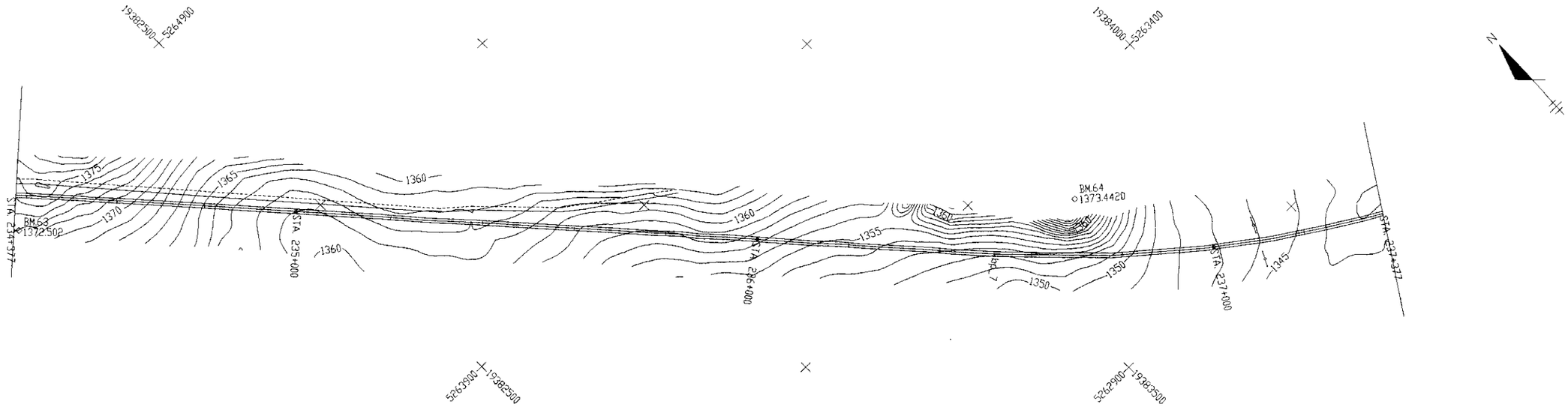
THE FEASIBILITY STUDY ON CONSTRUCTION OF EASTERN ARTERIAL ROAD IN MONGOLIA		
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	DEPARTMENT OF ROADS, MINISTRY OF INFRASTRUCTURE, THE GOVERNMENT OF MONGOLIA	
PACIFIC CONSULTANTS INTERNATIONAL JAPAN OVERSEAS CONSULTANTS		
Drawing title	Scale	No
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-43

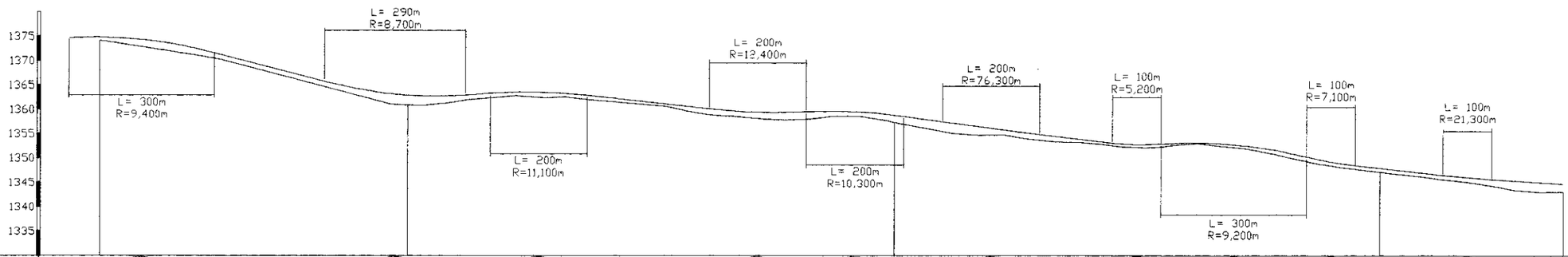


Gradient	i = -2.519 % L=675.000	1386.000 231+675	i = 0.311 % L=225.000	1386.700 231+900	i = -0.894% L=470.000	1382.500 232+370	i = -0.698 % L=430.000	1379.500 232+800	i = -0.900 % L=500.000	1375.000 233+300	i = -0.333% L=300.000	1374.000 233+600	i = -0.667 % L=270.000	1372.200 233+870	i = 0.559 % L=590.000									
Proposed Height	1393.51	1388.47	1386.53	1386.32	1386.55 1386.52 1386.51	1386.01	1384.22	1382.52 1382.47	1381.06	1379.63 1379.45	1377.91	1376.11	1375.14	1374.74	1374.03 1373.92	1372.82	1372.37	1372.80	1373.92	1374.80				
Ground Height	1393.91	1387.17	1383.61	1382.76	1381.63	1381.53	1379.84	1378.78	1376.84	1375.03	1373.60	1373.17	1371.52	1371.18	1372.47	1374.13								
Cutting Depth	0.40																							
Embankment height		1.30	2.71	3.25	2.59	0.94	1.22	0.85	1.07	1.08	1.14	0.86	1.30	1.62	1.45	0.67								
Distance	231_377 231_400	231_600	231_800	232_000	232_200	232_400	232_600	232_800	233_000	233_200	233_400	233_600	233_800	234_000	234_200	234_377								
Horizontal Alignment	R = *																							

231_377 - 234_377

THE FEASIBILITY 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	Scale / No.
PLAN AND PROFILE	H=1:10,000 V=1:1,000 / B-44

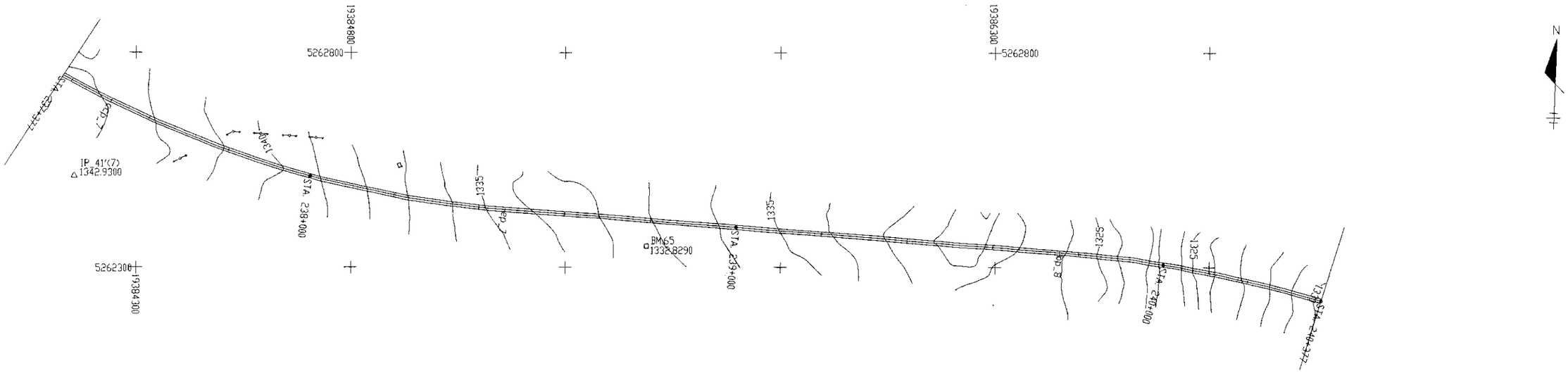


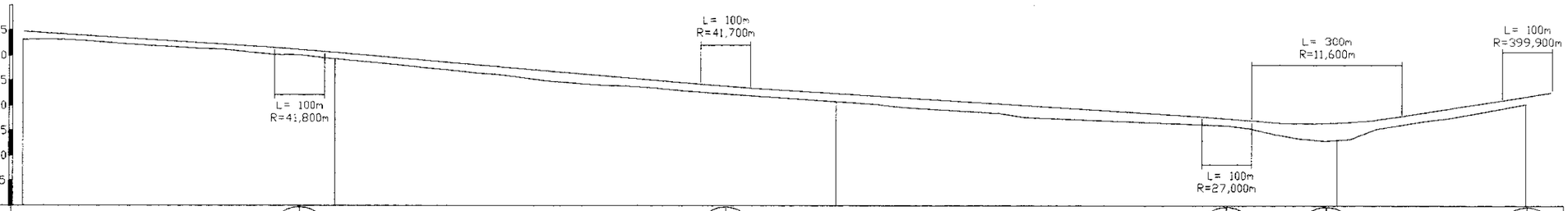


Gradient	i = 0.559 % L=590.000	1375.500 234+460	i =-2.621 % L=515.000	1362.000 234+975	i = 0.678 % L=295.000	1364.000 235+270	i =-1.111 % L=450.000	1359.000 235+720	i = 0.500 % L=200.000	1360.000 235+920	i =-1.429 % L=280.000	1356.000 236+200	i =-1.167 % L=300.000	1352.500 236+500	i = 0.750 % L=200.000	1354.000 236+700	i =-2.500 % L=200.000	1349.000 236+900	i =-1.100 % L=280.000	1345.920 237+180	i =-0.631 % L=750.000				
Proposed Height	1374.80	1374.31	1372.38	1367.19	1363.20 1363.18	1363.37	1363.55	1362.81	1360.59	1359.40	1359.36	1359.52	1359.10	1356.37 1356.07	1353.94	1352.74	1353.04	1352.78	1351.79	1349.63 1349.18	1348.15	1347.05	1346.00 1345.98	1345.31	1344.68
Ground Height	1374.13		1371.13	1366.30	1361.08	1362.39		1361.97	1359.59	1357.78		1357.86		1354.68	1353.25	1352.24 1352.62		1352.40	1350.99	1348.73	1347.43	1346.31	1345.08	1343.44	1343.09
Cutting Depth																									
Embankment height	0.67		1.25	0.89	2.10	0.98		0.84	1.00	1.58		1.24		1.69	0.69		0.42		0.80	0.90	0.72	0.74	0.92	1.87	1.59
Distance	234_377 234_400		234_600	234_800	235_000	235_200		235_400	235_600	235_800		236_000		236_200	236_400	bp_7	236_600		236_800		237_000		237_200		237_377
Horizontal Alignment	R = ∞																R = 2500								

234_377 - 237_377

THE FEASIBILITY 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	Scale / No
PLAN AND PROFILE	H=1:10,000 V=1:1,000 / B-45

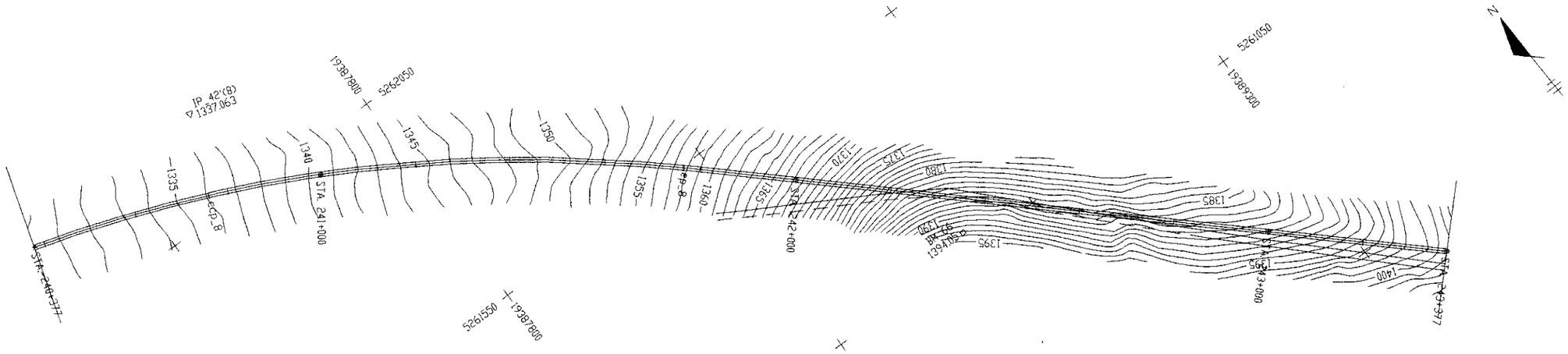


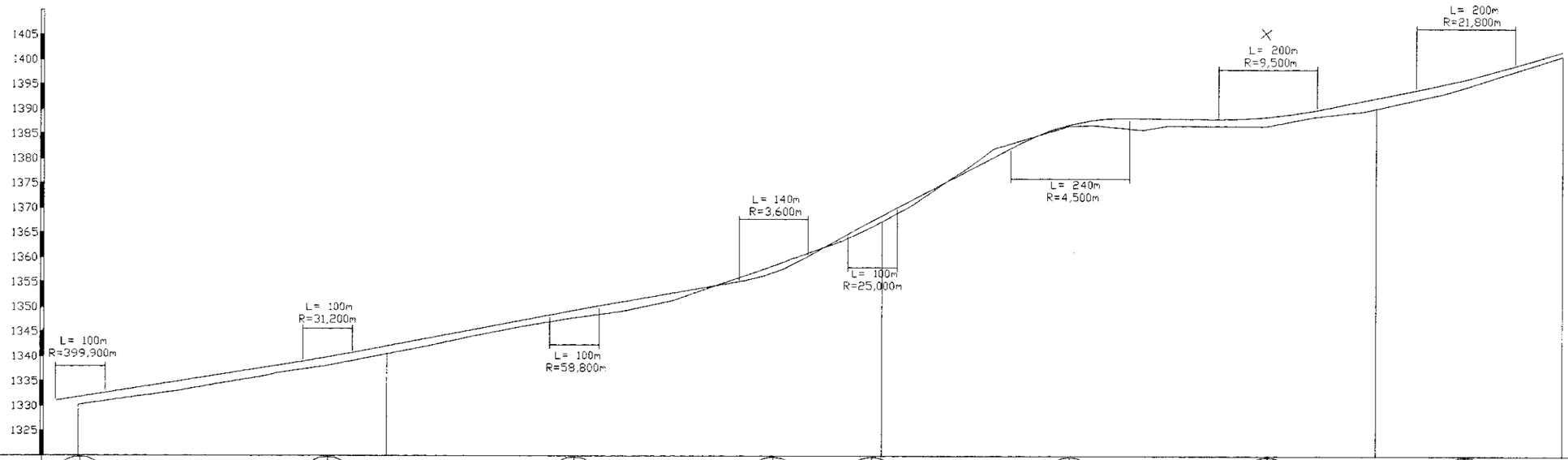


Gradient	i =-0.631% L=750.000						1341.190 237+930	i =-0.869% L=850.000							1333.800 238+780	i =-0.630% L=1000.000					1327.500 239+780	i =-1.000% L=200.000	1325.500 239+980	i =1.575% L=400.000			1331.800 240+380
Proposed Height	1344.68	1344.05	1343.42	1342.79	1342.15	1341.52	1341.16	1340.78	1339.91	1339.04	1338.17	1337.30		1335.56	1333.85 1333.83	1332.56	1331.30	1330.04	1328.78		1327.48 1327.45	1326.53	1326.46 1326.47	1327.15	1328.60	1330.18	1331.76 1331.80
Ground Height	1343.09	1342.99 1342.88	1342.22	1341.65	1341.16	1340.18	1339.44	1338.50	1337.50	1336.48	1335.50	1334.54	1333.87	1332.30		1330.88	1329.28	1327.57	1326.83		1326.05 1325.98	1224.23	1322.92	1325.29	1326.90	1328.46	1330.34
Cutting Depth																											
Embankment height	1.59	1.06	1.20	1.14	0.99	1.34	1.34	1.41	1.54	1.69	1.80		1.69	1.55		1.68	2.02	2.47	1.95		1.50	2.30	3.54	1.86	1.70	1.72	1.42
Distance	237_377 237_400	ccp_7	237_600		237_800		238_000		238_200		238_400	ep_7	238_600		238_800	239_000	239_200	239_400	239_600		bp_8 239_800		240_000		240_200		240_377
Horizontal Alignment	R=2500															R = -											R=3000

237_377 - 240_377

THE FEASIBILITY 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	Scale	No
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-46

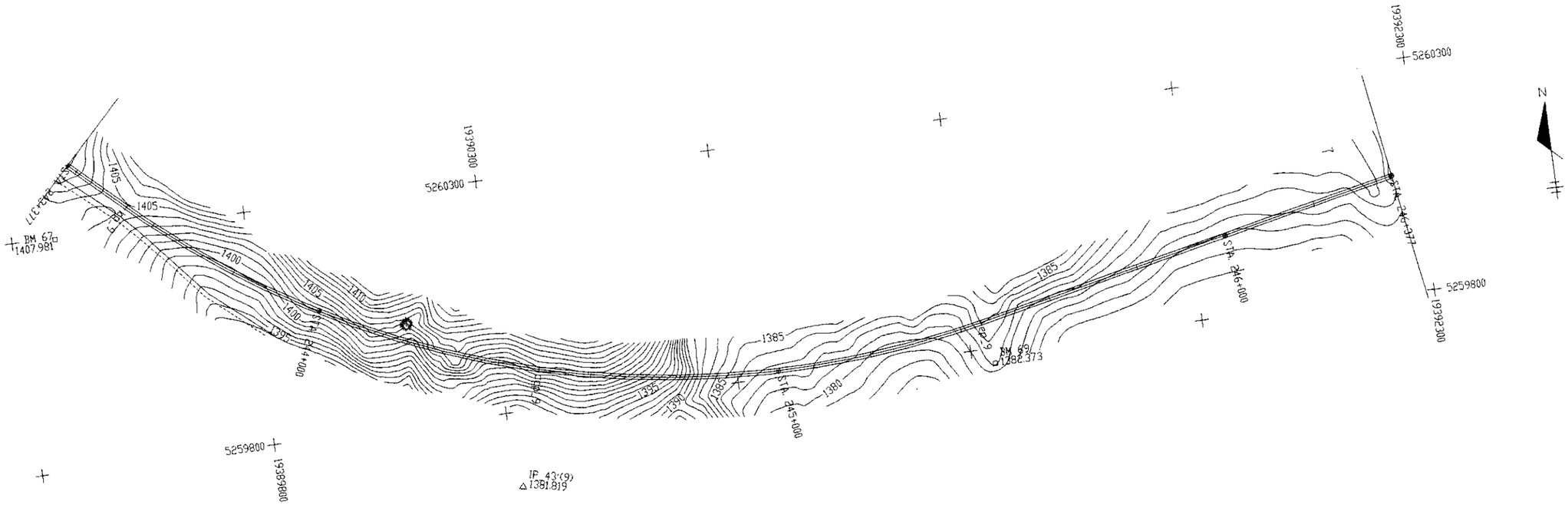


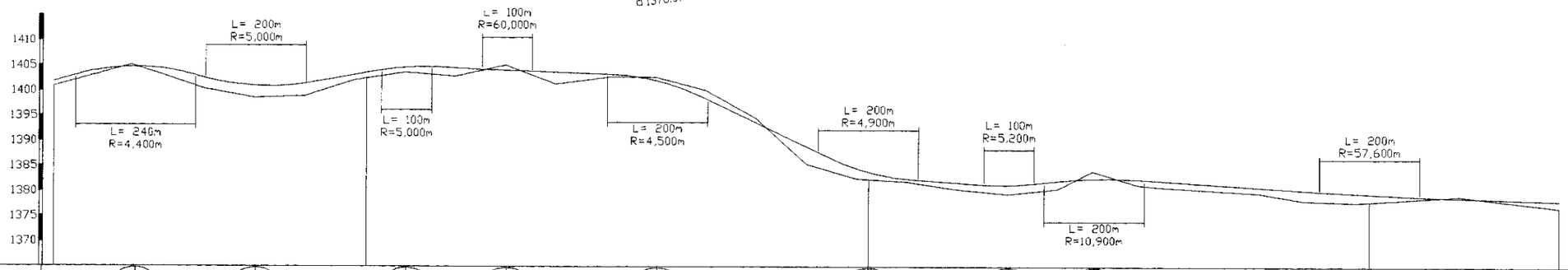


Gradient	1331.800 240+360	i =1.600% L=500.000	1339.800 240+860	i =1.980% L=500.000	1349.400 241+360	i =1.750% L=400.000	1356.400 241+760	i =5.600% L=200.000	1367.600 241+980	i =5.200% L=400.000	1388.400 242+380	i =-0.100% L=400.000	1388.000 242+780	i =2.000 % L=400.000	1396.000 243+180	i =2.917% L=360.000								
Proposed Height	1331.76 1331.80	1333.35	1334.95	1336.55	1338.15	1339.79 1339.84	1341.66	1343.58	1345.50	1347.42	1349.32 1349.38	1351.10	1352.85	1354.60	1356.96 1357.07	1367.39 1367.55	1377.84	1386.73 1386.81	1388.20	1388.50 1388.53	1391.94	1396.16 1396.23	1401.75	
Ground Height	1330.34	1331.69	1333.02	1334.80	1336.10 1336.61	1338.07	1340.07	1341.97	1344.15	1346.11	1347.85	1349.17	1351.29	1354.75	1357.71 1358.23	1366.00	1378.45	1386.69	1386.75	1386.66	1389.74	1394.49	1400.83	
Cutting Depth														0.15	1.27		0.61							
Embankment height	1.42	1.66	1.93	1.75	1.54	1.72	1.59	1.61	1.35	1.31	1.47	1.93	1.56			1.39		0.04	1.45	1.84	2.20	1.67	0.92	
Distance	240_377 240_400	240_600	ccp_8 240_800	241_000	241_200	241_400	241_600	ep_8 241_800	242_000	242_200	242_400	242_600	242_800	243_000	243_200	243_377								
Horizontal Alignment	R=3000								R = ∞															

240_377 - 243_377

THE FEASIBILITY 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	Scale	No.
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-47

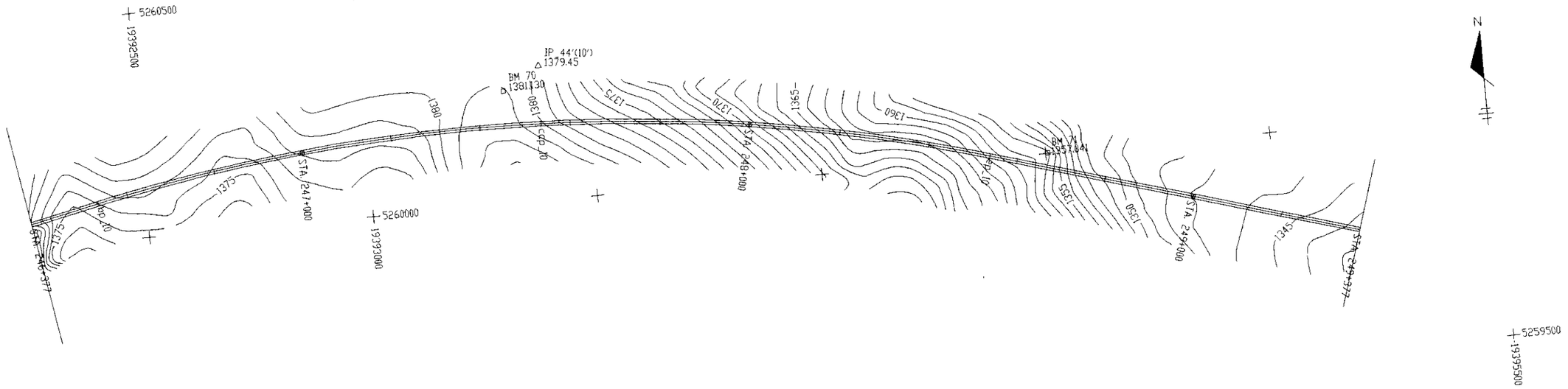


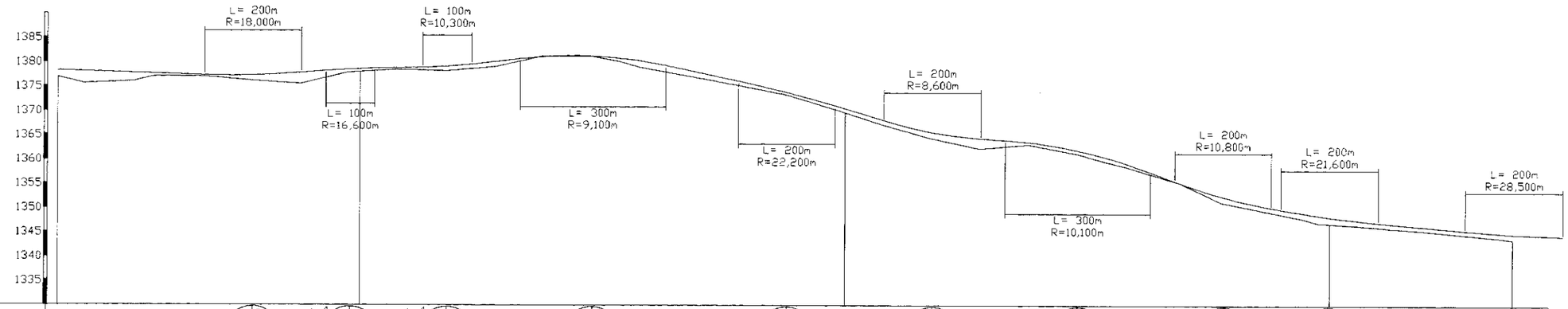


Gradient	i =2.917% L=360.000	1406.500 243+540	i =-2.500% L=240.000	1400.500 243+780	i =1.500% L=300.000	1405.000 244+080	i =-0.500% L=200.000	1404.000 244+280	i =-0.333% L=300.000	1403.000 244+580	i =-4.762% L=420.000	1383.000 245+000	i =-0.714% L=280.000	1381.000 245+280	i =1.176% L=170.000	1383.000 245+450	i =-0.655% L=550.000	1379.400 246+000	i =-0.308% L=780.000							
Proposed Height	1401.75	1404.88	1404.80	1403.08	1401.52 1401.50	1401.96	1403.46	1404.73 1404.75	1404.52	1404.03 1404.02	1403.68	1403.34	1401.97 1401.89	1398.38	1393.62	1388.86	1384.70 1384.01	1382.50	1381.74	1381.23 1381.24	1382.11	1382.54	1382.17	1380.86	1379.50 1379.49	1378.86	1378.24
Ground Height	1400.83	1405.05	1403.63	1400.33	1398.54	1398.88	1402.12	1403.58	1402.87	1405.05	1401.34	1402.78	1402.66	1400.03	1394.50	1385.44	1382.57	1381.90	1380.42	1379.47	1380.51	1384.10	1380.92	1379.73	1377.88	1379.17	1376.85
Cutting Depth										1.02			0.69	1.65	0.88											0.31	
Embankment height	0.92		1.17	2.75	2.98	3.08	1.34	1.15	1.65		2.34	0.56				3.42	2.13	0.60	1.32	1.76	1.60		1.25	1.13	1.72		1.39
Distance	243_377 243_400	bp_9	243_600		243_800		244_000		244_200		244_400	cp_9	244_600		244_800		245_000		245_200		245_400	ep_9	245_600		245_800	246_000	246_200	246_377
Horizontal Alignment	R = ∞											R = 2000															R = ∞

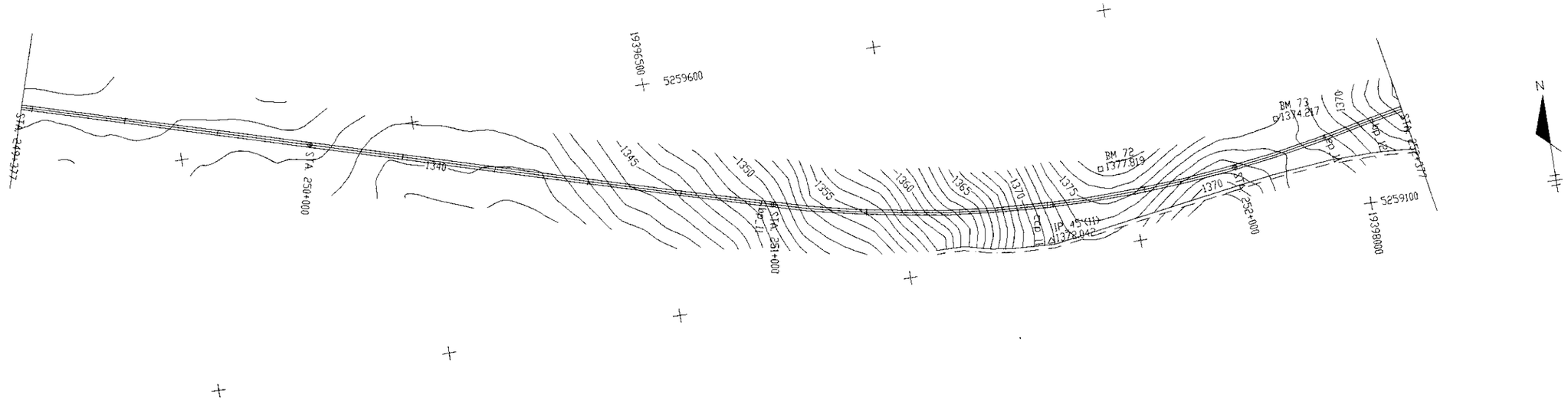
243_377 - 246_377

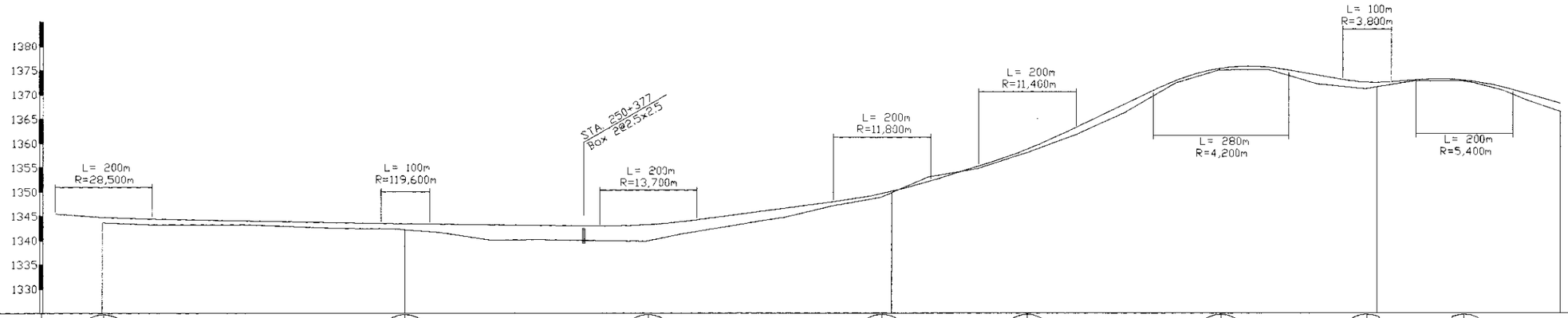
THE FEASIBILITY STUDY ON CONSTRUCTION OF EASTERN ARTERIAL ROAD IN MONGOLIA		
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)		DEPARTMENT OF ROADS, MINISTRY OF INFRASTRUCTURE, THE GOVERNMENT OF MONGOLIA
PACIFIC CONSULTANTS INTERNATIONAL JAPAN OVERSEAS CONSULTANTS		
Drawing title	Scale	No
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-48


5260500
19392500
IP 44°(10°)
△1379.45
BM 70
△1381.30
1380
1375
1370
1365
1360
1355
1350
1345
STA. 247+000
5260000
19393000
STA. 248+000
BM 71
△1357.641
STA. 249+000
5259500
19395500
N


1385
1380
1375
1370
1365
1360
1355
1350
1345
1340
1335
L= 200m R=18,000m
L= 100m R=10,300m
L= 100m R=16,600m
L= 300m R=9,100m
L= 200m R=22,200m
L= 200m R=8,600m
L= 300m R=10,100m
L= 200m R=10,800m
L= 200m R=21,600m
L= 200m R=28,500m

| | | |

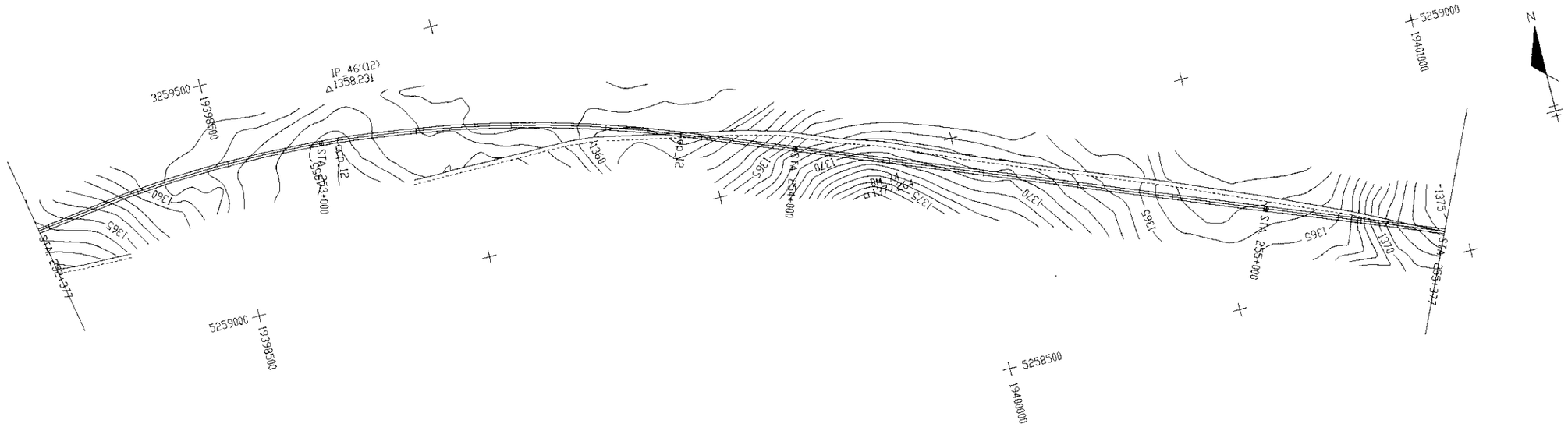


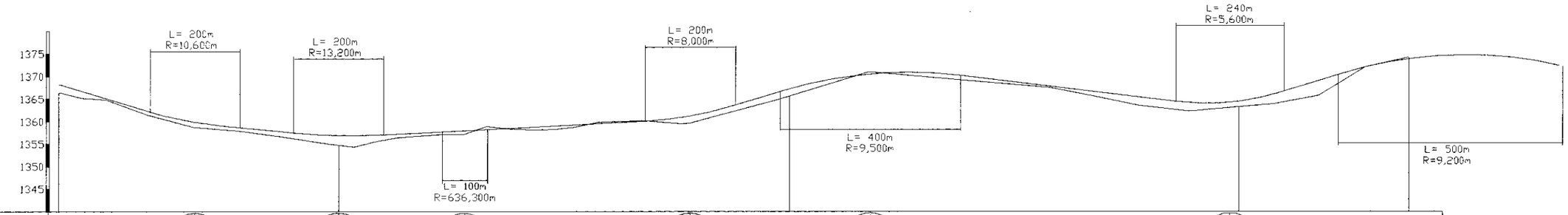


Gradient	1344.600 249+380	i =-0.194% L=620.000	1343.400 250+000	i =-0.110% L=500.000	1342.850 250+500	i =1.344% L=480.000	1349.300 250+980	i =3.033% L=300.000	1358.400 251+280	i =4.775% L=400.000	1377.500 251+680	i =-1.767% L=300.000	1372.200 251+980	i =0.800% L=200.000	1373.600 252+180	i =-2.840% L=500.000								
Proposed Height	1344.93 1344.78	1344.22	1343.83	1343.35 1343.41	1343.21	1342.99	1343.21	1343.90	1346.57	1349.66 1349.72	1352.24	1355.28	1358.72 1358.84	1363.03	1367.81	1372.45	1375.16 1375.21	1375.57	1374.02	1372.54 1372.52	1372.98	1372.89 1372.65	1368.21	
Ground Height	1343.64	1343.24	1342.77	1342.39	1340.10	1339.97	1341.39	1344.68	1348.76	1353.00	1354.72	1357.98	1361.63	1366.07	1371.95 1372.46	1375.03	1375.15	1372.16	1371.15	1372.80	1372.76 1372.31	1368.76	1366.49	
Cutting Depth										0.76														
Embankment height	1.29	0.98	1.06	1.06	3.11			2.51	1.89	0.90		0.56	0.74	1.40	1.74	0.50	0.13	0.42	1.86	1.39	0.18	0.34	1.72	
Distance	249_377 249_400	249_600	249_800	250_000	250_200	250_400	250_600	250_800	bp_11 251_000		251_200		251_400		ccp_11 251_600		251_800			252_000		252_200 ep_11	252_377	
Horizontal Alignment	R = ∞									R = 2500												R = ∞	R = 2500	

249_377 - 252_377

THE FEASIBILITY 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	Scale	No.
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-50

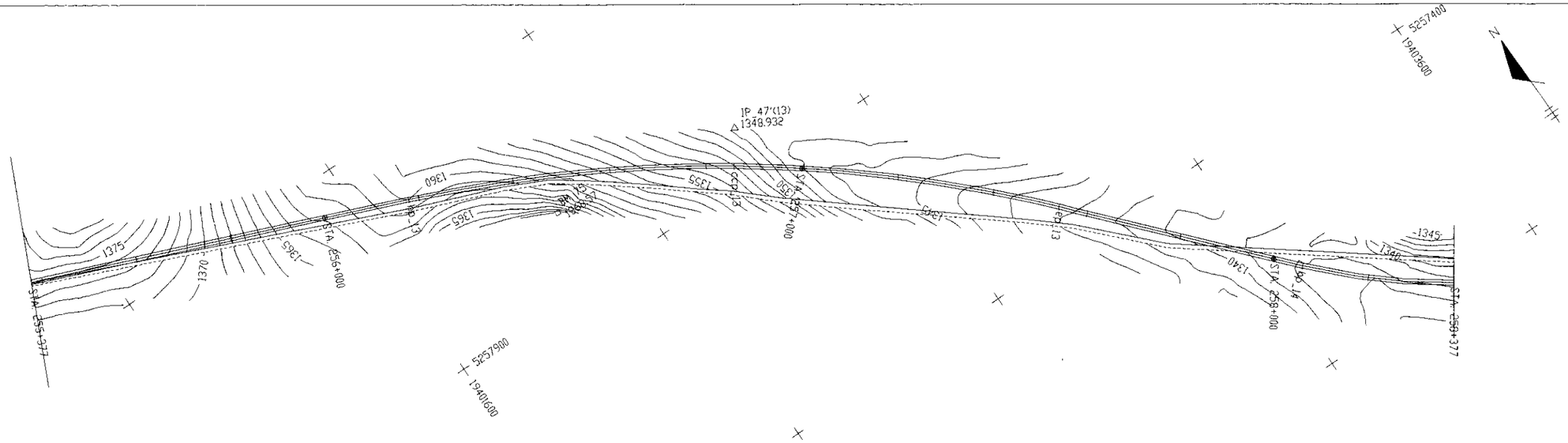


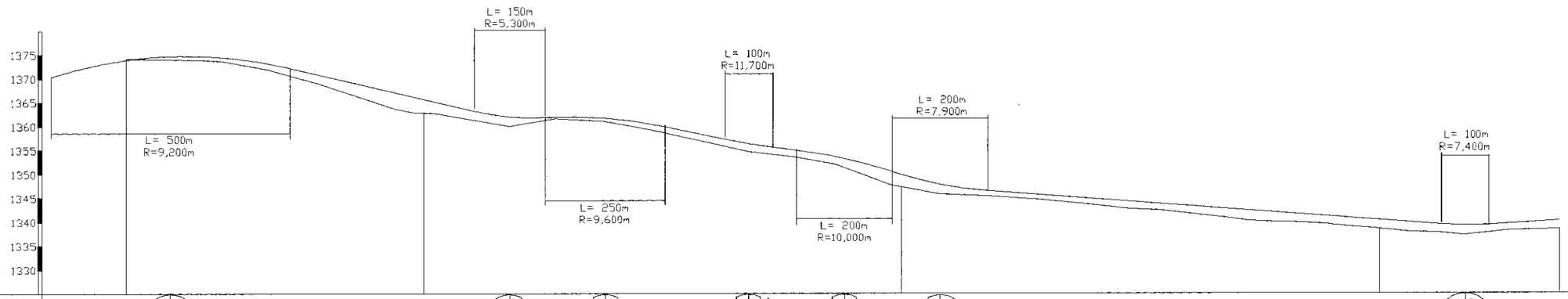


Gradient	i=-2.840% L=500.000		1359.600 252+680	i=-0.969% L=320.000		1356.500 253+000	i=0.536% L=280.000		1358.000 253+280	i=0.520% L=500.000		1360.600 253+780	i=3.000% L=400.000		1372.600 254+180	i=-1.200% L=800.000		1363.000 254+980	i=3.061% L=490.000		
Proposed Height	1368.21	1365.37	1362.53	1360.13 1360.07	1358.66	1357.69	1356.95 1356.88	1356.93	1357.45	1357.98 1358.00	1358.50	1359.02	1359.54	1360.06	1361.17 1361.22	1366.51	1370.47 1370.50	1370.24	1367.84	1365.44	1364.25 1364.28	1369.03	1373.83	
Ground Height	1366.49	1364.83	1361.41	1358.74	1357.91	1356.58	1355.02	1354.35	1355.43	1356.82	1357.10	1358.43	1358.20	1359.85	1360.15	1359.51 1359.55	1364.94	1371.02	1369.27	1367.53	1363.61	1363.08	1365.79	1374.20
Cutting Depth														0.31	0.09			0.55						0.37
Embankment height	1.72	0.54	1.12	1.39	0.75	1.11	1.93	1.50	0.63	0.88	0.07	0.82				1.62	1.57		0.97	0.31	1.83	1.17	3.24	
Distance	252_377 252_400		252_600		252_800		253_000 ccp_12		253_200		253_400		253_600		ep_12 253_800		254_000	254_200	254_400	254_600	254_800	255_000	255_200	255_377
Horizontal Alignment	R=2500																R = -							

252_377 - 255_377

THE FEASIBILITY 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	Scale	No.
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-51



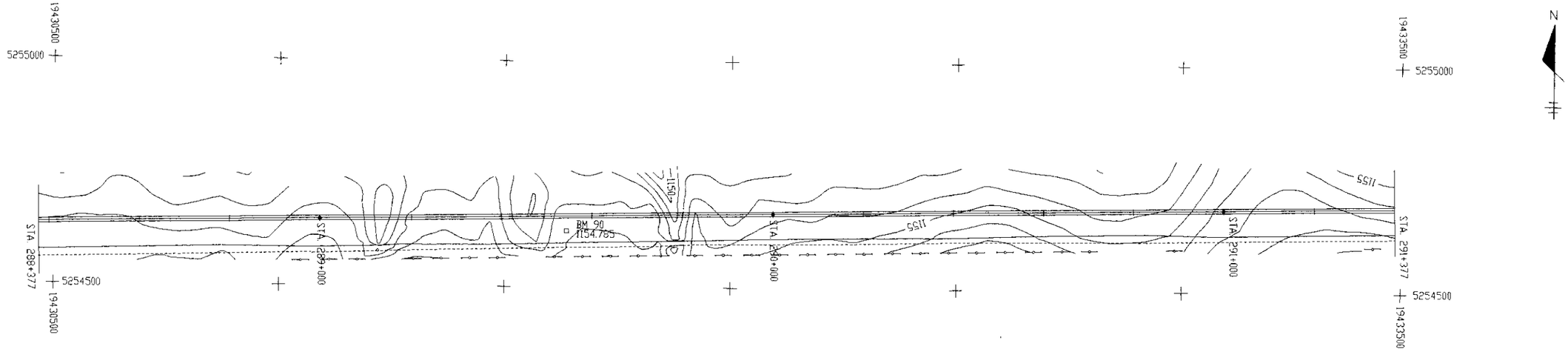


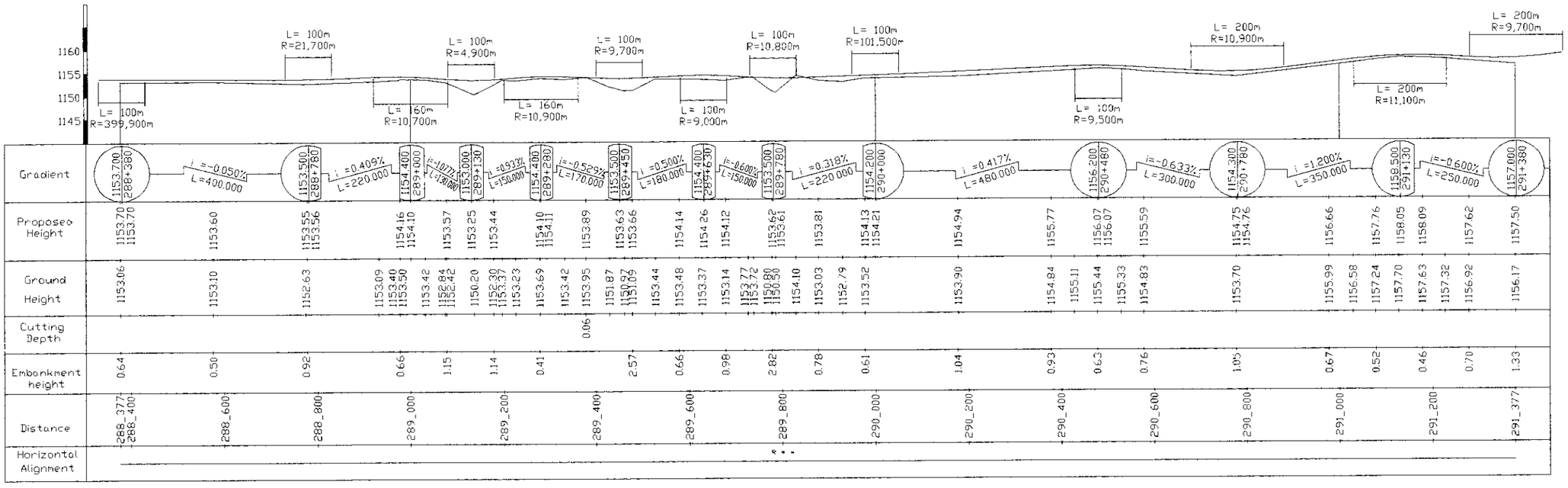
Gradient	i =3.061% L=490.000	1378.000 255+470	i =-2.324% L=710.000	1361.500 256+180	i =0.500% L=200.000	1362.500 256+380	i =-2.100% L=300.000	1356.200 256+680	i =-1.250% L=200.000	1353.700 256+880	i =-2.250% L=200.000	1347.200 257+080	i =-0.745% L=1100.000	1339.000 258+180	i =0.600% L=500.000
Proposed Height	1373.83 1374.11	1374.63	1374.41	1370.87	1366.22	1362.06 1362.03	1361.96	1361.71 1361.69	1360.42	1358.36	1356.36 1356.31	1354.99	1353.27 1353.20	1350.55	1347.89 1347.83
Ground Height	1374.20		1373.69	1368.96	1362.93	1360.01	1361.66	1361.06	1359.18	1357.02	1354.72	1353.55	1352.03 1351.41	1347.65	1345.76
Cutting Depth	0.37														
Embankment height			0.72	1.91	3.29	2.05	0.30	0.65	1.24	1.34	1.64	1.44	1.86	2.90	2.13
Distance	255_377 255_400		255_600	255_800	256_000	bp_13 256_200		256_400		256_600		256_800	ccp_13	257_000	
Horizontal Alignment			R = ∞								R = 3000				

Gradient		1346.48	1345.73	1344.99	1344.24	1343.50	1342.00	1340.51	1339.17 1339.17	1339.58	1340.18
Proposed Height	1347.65	1345.40	1344.68	1343.76	1342.63	1342.38 1341.98	1340.00	1338.68	1337.18	1338.17	1338.44
Ground Height											
Cutting Depth											
Embankment height	2.90	1.08	1.05	1.23	1.61	1.52	2.00	1.83	1.99	1.41	1.74
Distance	257_200			257_400		ep_13 257_600	257_800	258_000	bp_14 258_200		258_377
Horizontal Alignment						R = ∞			R=1250		

255_377 - 258_377

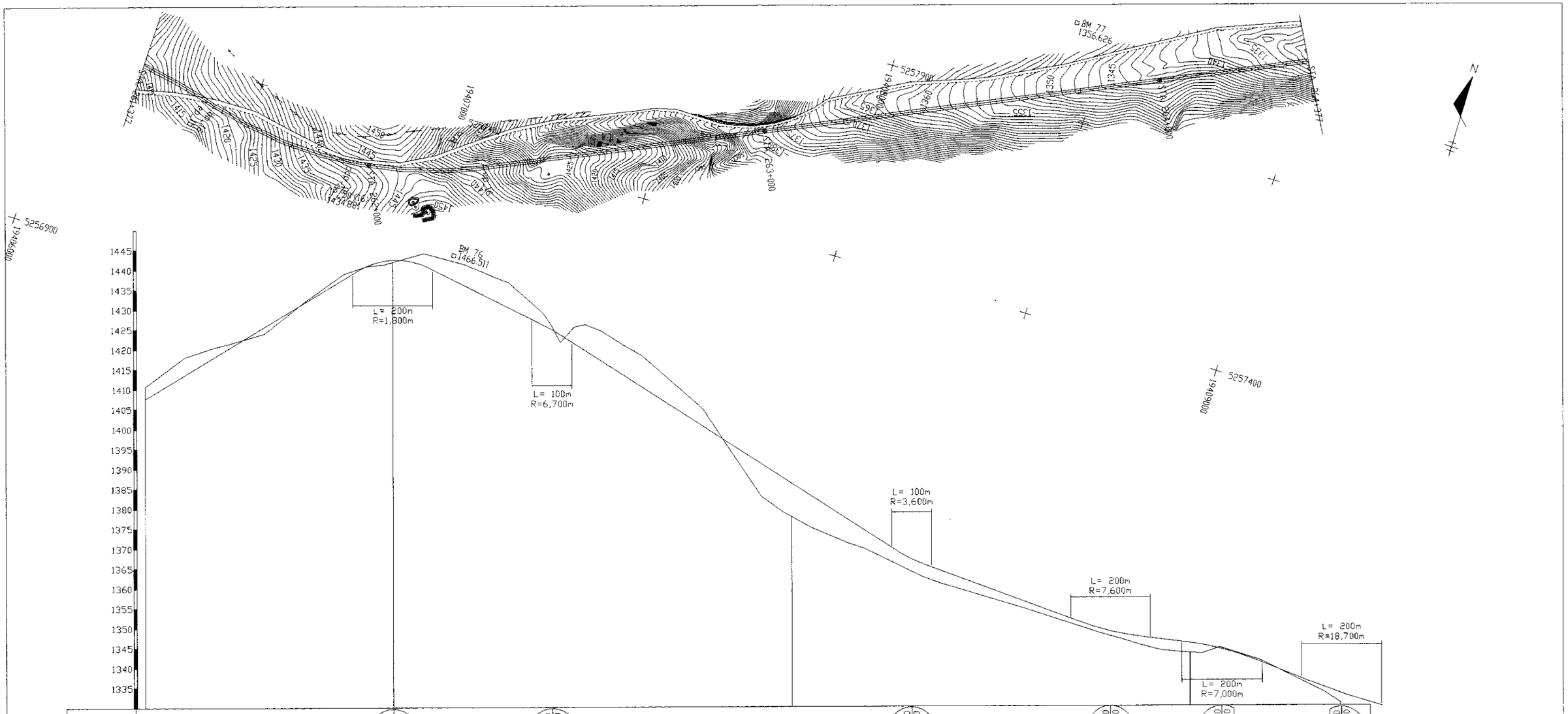
THE FEASIBILITY STUDY ON CONSTRUCTION OF EASTERN ARTERIAL ROAD IN MONGOLIA		
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	DEPARTMENT OF ROADS, MINISTRY OF INFRASTRUCTURE, THE GOVERNMENT OF MONGOLIA	
PACIFIC CONSULTANTS INTERNATIONAL JAPAN OVERSEAS CONSULTANTS		
Drawing title	Scale	No
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-52





288_377 - 291_377

THE FEASIBILITY 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	Scale	No.
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-63


BM 77
1356.626
BM 76
1466.511
L= 200m
R=1,800m
L= 100m
R=6,700m
L= 100m
R=3,600m
L= 200m
R=7,600m
L= 200m
R=18,700m
L= 200m
R=7,000m
N

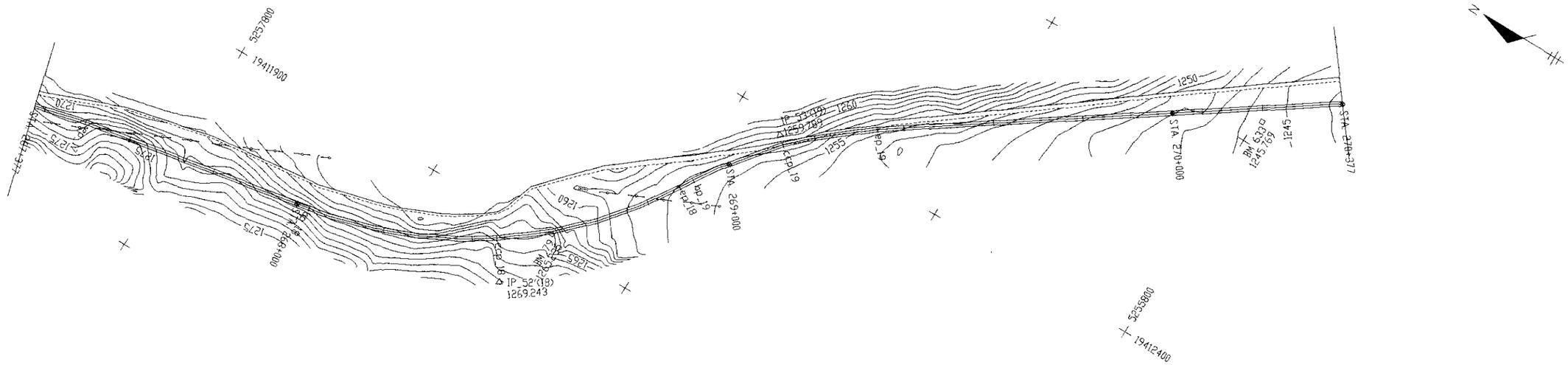
| | | |

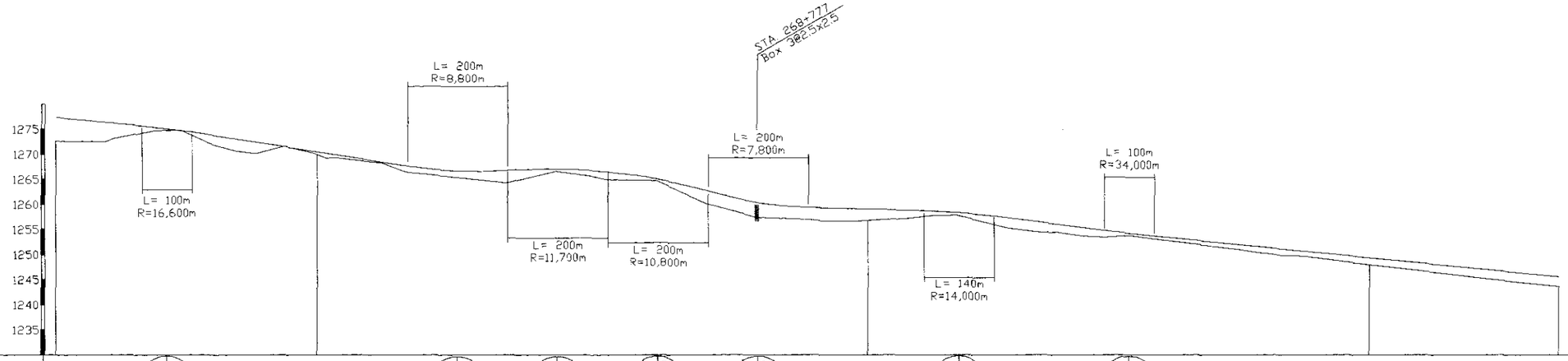
Gradient	1332.800 264+380	i=-2.935% L=620.000	1314.600 265+000	i=-0.036% L=280.000	1314.500 265+280	i=-0.900% L=500.000	1310.000 265+780	i=-1.818% L=220.000	1306.000 266+000	i=-5.357% L=280.000	1291.000 266+280	i=-2.000% L=200.000	1290.600 266+480	i=-2.667% L=300.000	1282.600 266+780	i=-0.727% L=220.000	1281.000 267+000	i=-0.967% L=600.000								
Proposed Height	1333.17 1333.07	1327.02	1321.15	1315.70 1315.32	1314.54	1314.39	1313.63	1311.83	1309.83 1309.89	1308.24	1305.89 1305.12	1301.83	1296.52	1292.12 1292.03	1290.79	1289.90 1289.86	1287.99	1285.35	1283.14 1283.08	1281.89	1281.16 1280.97	1280.26	1279.29	1278.32	1277.36	
Ground Height	1330.78	1325.16	1319.87	1314.71	1311.12		1313.30	1308.63	1309.74	1309.44	1308.27	1305.87	1301.27	1295.78	1290.44	1288.82	1289.69	1287.41 1287.10	1283.50	1281.67	1281.02	1280.69	1278.90	1277.27	1275.90	1272.64
Cutting Depth											0.03															
Embankment height	2.39	1.86	1.28	0.99	3.42		0.33	3.20		0.49		0.02	0.56	0.74	1.68	1.97	0.21	0.58	1.85	1.47	0.87	0.47	1.36	2.02	2.42	4.72
Distance	264_377 264_400	264_600	264_800	265_000	265_200		265_400	265_600	kp_17	265_800		266_000		266_200		266_400	CCP_17 266_600		266_800			267_000		267_200		267_377
Horizontal Alignment	R = ∞																									

R=1000

264_377 - 267_377

THE FEASIBILITY 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	Scale / No
PLAN AND PROFILE	H=1:10,000 V=1:1,000 / B-55

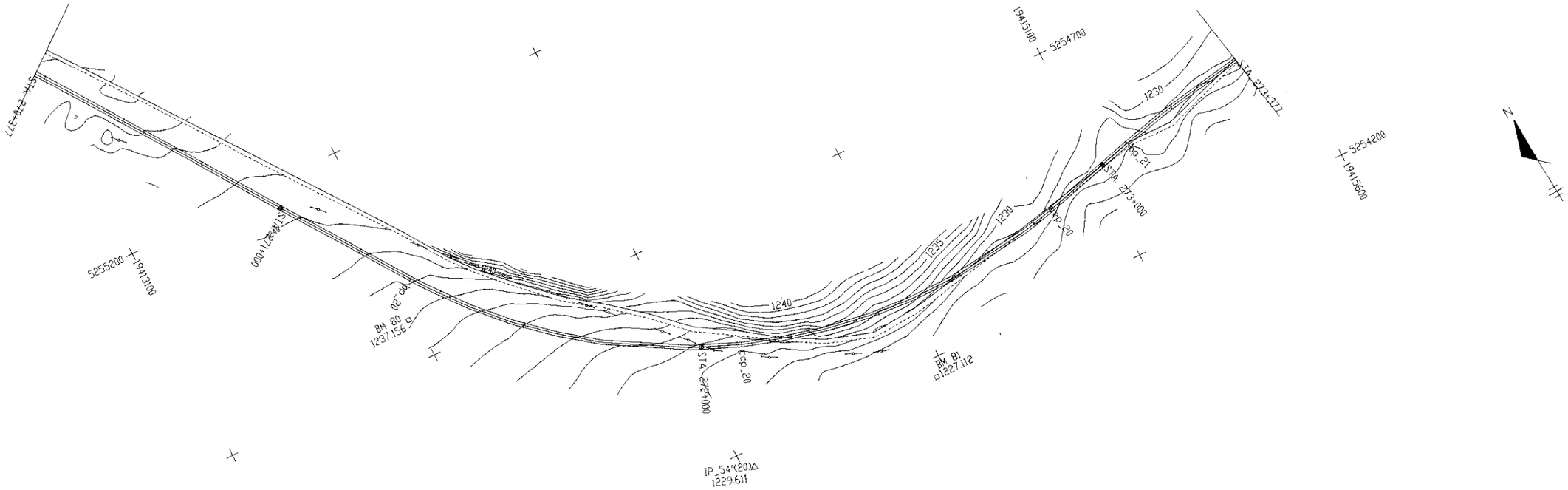


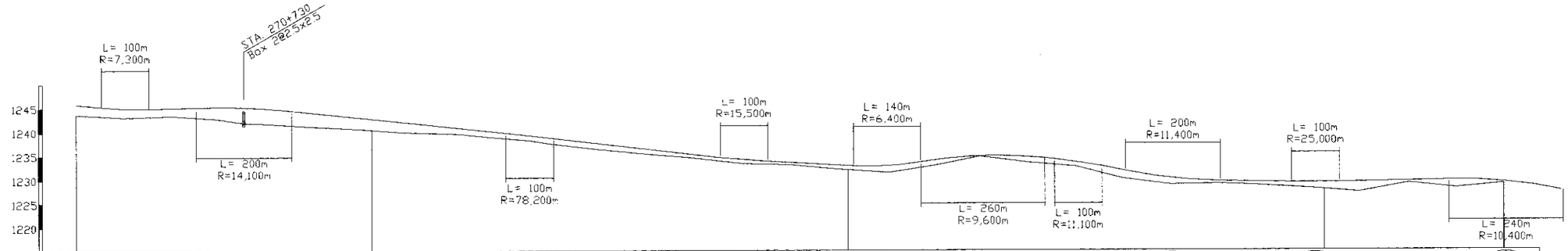


Gradient	i=-0.967% L=600.000	1275.200 267+600	i=-1.569% L=580.000	1266.100 268+180	i=-0.700% L=200.000	1267.500 268+380	i=-1.000% L=200.000	1265.500 268+580	i=-2.850% L=200.000	1259.800 268+780	i=-0.300% L=400.000	1258.600 269+180	i=-1.294% L=340.000	1254.200 269+520	i=-1.000% L=960.000											
Proposed Height	1277.36	1276.39	1275.40 1275.12	1272.42	1269.29	1267.72	1266.68 1266.67	1266.78	1267.08 1267.08	1266.53	1265.09 1265.04	1262.74	1260.49 1260.44	1259.21	1258.91	1258.45 1258.43	1257.34	1256.05	1254.24	1253.63	1251.63	1249.63	1247.63	1245.63		
Ground Height	1272.64	1272.48 1270.20	1274.76	1270.15	1268.80	1268.27	1266.47	1265.42	1264.29	1266.57	1265.47 1264.93	1264.76	1260.14	1257.41	1256.99 1256.71	1256.72	1257.30	1257.83	1257.84	1255.30	1254.47 1254.45	1253.03	1250.46	1248.31	1245.92	1243.66
Cutting Depth																										
Embankment height	4.72	3.91	0.64	2.27	0.49	1.25	1.26	2.49	0.51	1.60	0.33	2.60				2.49	1.61	0.61	2.04	1.60		0.60	1.17	1.32	1.71	1.97
Distance	267_377 267_400	ep_17	267_600	267_800	268_000 bp_18	268_200	268_400	ccp_18	268_600	268_800	ep_18 bp_19	269_000	ccp_19	269_200	ep_19	269_400	269_600	269_800	270_000	270_200	270_377					
Horizontal Alignment	R = 1000	R = ∞	R=1000	R = ∞	R=1000	R = ∞																				

267_377 - 270_377

THE FEASIBILITY 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	Scale	No.
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-56


STA_270+377
STA_271+000
5255200
19413100
BM 80
1237.156
bp_20
1240
STA_272+000
ccp_20
JP_54'(20)Δ
1229.611
BM 81
1227.112
1235
1230
STA_273+000
bp_21
19415100
5254700
STA_273+377
5254200
19415600
N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R=7,300m
STA_270+730
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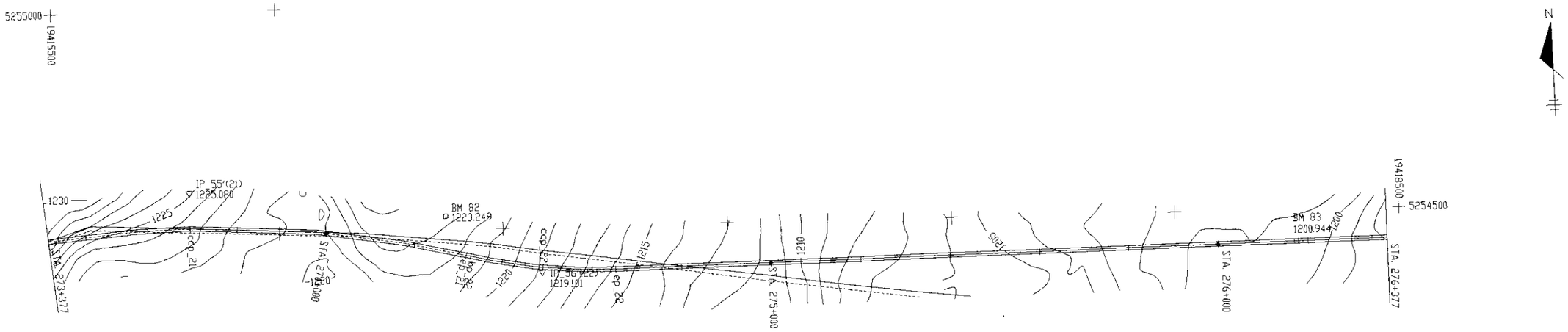
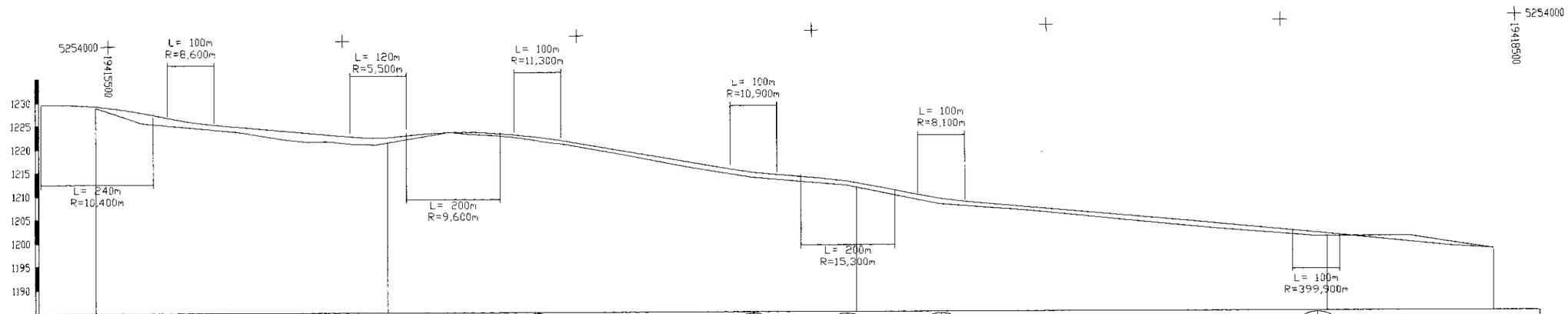
L= 200m
R=14,100m
L= 100m
R=78,200m
L= 100m
R=15,500m
L= 140m
R=6,400m
L= 260m
R=9,600m
L= 100m
R=11,100m
L= 200m
R=11,400m
L= 100m
R=25,000m
L= 240m
R=10,400m
1245
1240
1235
1230
1225
1220

| | | |

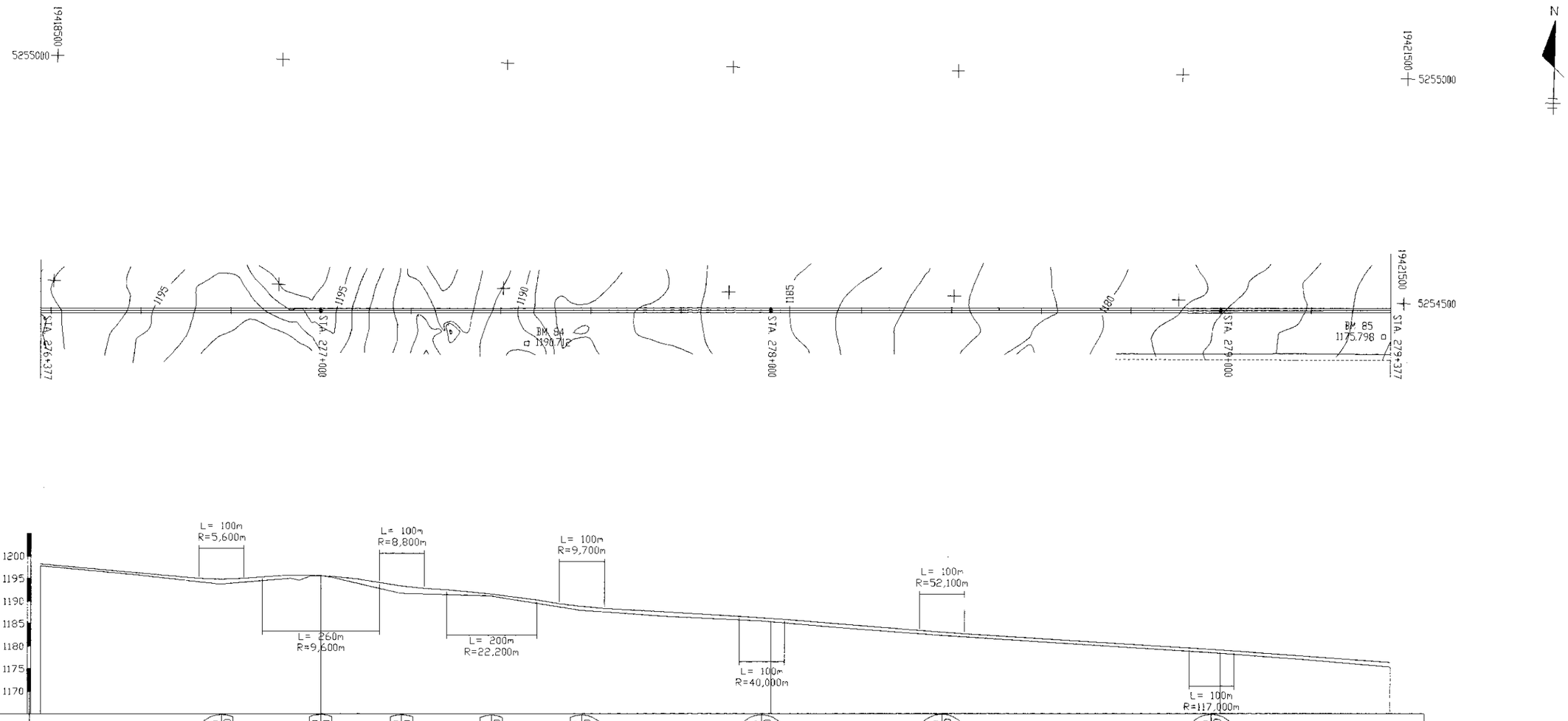




Gradient	1229.800 273+380	i=-2.100% L=200.000	1225.600 273+580	i=-0.900% L=400.000	1222.000 273+980	i=-1.250% L=160.000	1224.000 274+140	i=-0.833% L=180.000	1222.500 274+320	i=-1.717% L=460.000	1214.600 274+780	i=-0.800% L=200.000	1213.000 274+980	i=-2.100% L=200.000	1208.800 275+180	i=-0.875% L=800.000	1201.800 275+980	i=-0.900% L=800.000						
Proposed Height	1229.14 1229.11	1227.74	1225.80 1225.75	1224.73	1223.83	1222.93	1222.32 1222.32	1223.14	1223.48 1223.48	1222.86	1222.39	1221.52	1219.80	1218.09	1214.75 1214.71	1212.97 1212.68	1209.00 1208.95	1207.08	1205.33	1203.58	1201.82 1201.80	1200.03	1198.23	
Ground Height	1228.85	1225.53	1224.59	1223.68 1223.38	1222.08	1221.41	1221.52	1220.90	1220.86	1222.52	1223.45	1223.06	1222.84	1222.33	1221.74 1221.48	1220.83	1219.10 1218.85	1217.14	1215.72	1213.65	1211.97	1207.92	1206.36	1204.35	1202.47	1200.84	1200.85	1197.81
Cutting Depth																											0.82	
Embankment height	0.29	2.21	1.21	1.05	1.75	1.41	1.46	0.62	0.42	0.53		0.69	0.70	0.95		1.10		0.75	1.08		0.72		0.98		1.11		0.98		0.42
Distance	273_377 273_400		273_600	ccp_21	273_800		274_000		274_200		ep_21 bp_22	274_400	ccp_22	274_600	ep_22	274_800		275_000	275_200		275_400		275_600		275_800		276_000		276_200	276_377
Horizontal Alignment	R = 2500								R = ∞	R = 1250								R = ∞												

273_377 - 276_377

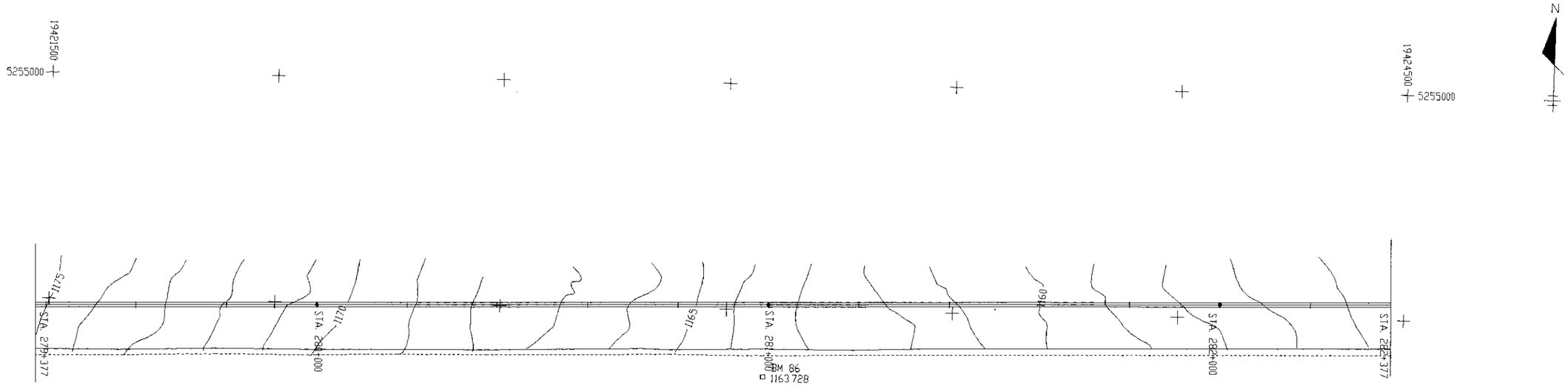
THE FEASIBILITY STUDY ON CONSTRUCTION OF EASTERN ARTERIAL ROAD IN MONGOLIA		
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	DEPARTMENT OF ROADS, MINISTRY OF INFRASTRUCTURE, THE GOVERNMENT OF MONGOLIA	
PACIFIC CONSULTANTS INTERNATIONAL JAPAN OVERSEAS CONSULTANTS		
Drawing title	Scale	No.
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-58

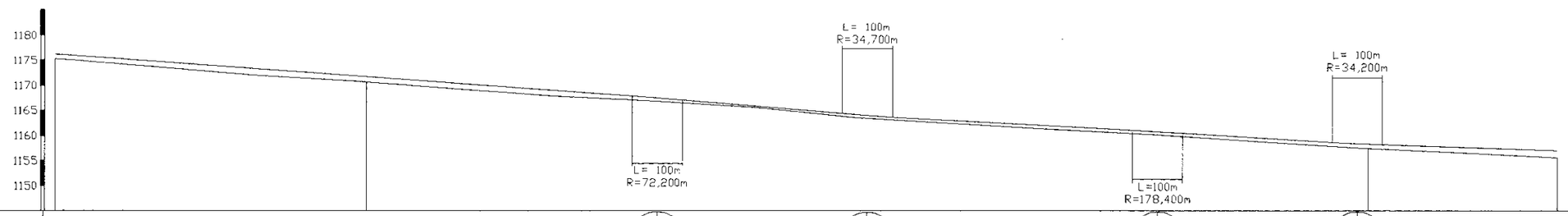


Gradient	i =-0.900% L=800.000	1194.600 276+780	i = 0.864% L=220.000	1196.500 277+000	i =-1.833% L=180.000	1193.200 277+180	i =-0.700% L=200.000	1191.800 277+380	i =-1.600% L=200.000	1188.600 277+580	i =-0.575% L=400.000	1186.300 277+980	i =-0.825% L=400.000	1183.000 278+380	i =-0.633% L=600.000	1179.200 278+980	i =-0.719% L=1600.000
Proposed Height	1198.23	1196.43	1194.82 1194.82	1195.71 1195.62	1193.39 1193.34	1191.61 1191.58	1188.76 1188.73	1187.47	1186.29 1186.27	1184.67	1183.05 1183.02	1181.75	1180.49	1179.21 1179.19	1177.78	1176.35
Ground Height	1197.81	1195.93	1193.74	1194.99 1194.60 1195.57 1195.71 1195.28	1191.76	1191.11	1187.88	1186.45	1185.53	1183.84	1182.30	1181.06	1179.81	1178.55	1177.00	1175.30
Cutting Depth																
Embankment height	0.42	0.50	1.08	0.14	1.62	0.50	0.88	1.02	0.76	0.83	0.75	0.69	0.68	0.66	0.78	1.05
Distance	276_377 276_400	276_600	276_800	277_000	277_200	277_400	277_600	277_800	278_000	278_200	278_400	278_600	278_800	279_000	279_200	279_377
Horizontal Alignment	R = -															

276_377 - 279_377

THE FEASIBILITY 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	Scale	No
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-59





Gradient	i=-0.719% L=1600.000						1167.700 280+580	i=-0.857% L=420.000	1164.100 281+000	i=-0.569% L=580.000		1160.800 281+580	i=-0.625% L=400.000	1158.300 281+980	i=-0.333% L=600.000	
Proposed Height	1176.35	1174.91	1173.47	1172.03	1170.60	1169.16	1167.71 1167.68	1166.01	1164.31 1164.14	1163.09	1161.96	1160.81 1160.79	1159.57	1158.35 1158.34	1157.64	1156.98
Ground Height	1175.30	1173.65	1172.02	1170.79	1169.25	1167.81	1166.79	1165.56	1163.55	1162.36	1161.14	1160.18	1158.82	1157.55	1156.62	1155.53
Cutting Depth																
Embankment height	1.05	1.26	1.45	1.24	1.35	1.35	0.92	0.45	0.76	0.73	0.82	0.63	0.75	0.80	1.02	1.45
Distance	279_377 279_400	279_600	279_800	280_000	280_200	280_400	280_600	280_800	281_000	281_200	281_400	281_600	281_800	282_000	282_200	282_377
Horizontal Alignment	R = -															

279_377 - 282_377

THE FEASIBILITY 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	Scale	No.
PLAN AND PROFILE	H=1:10,000 V=1:1,000	B-60