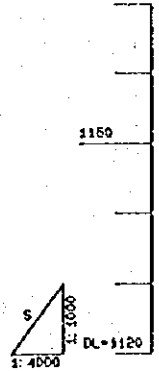
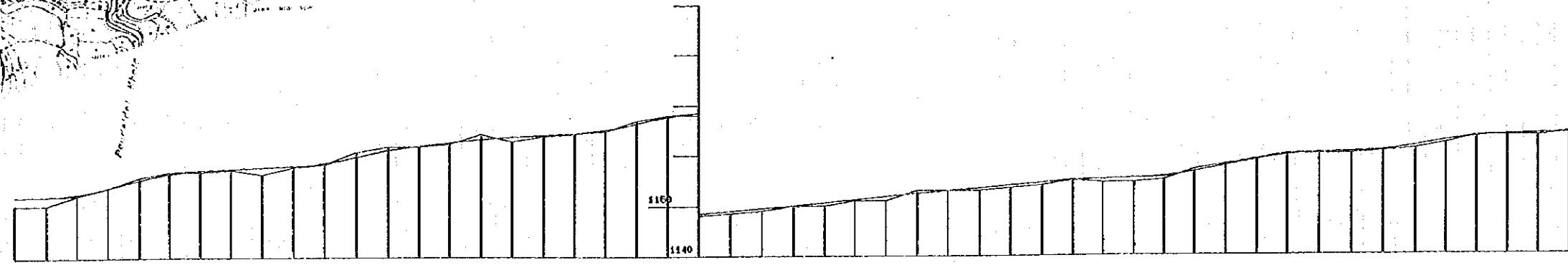
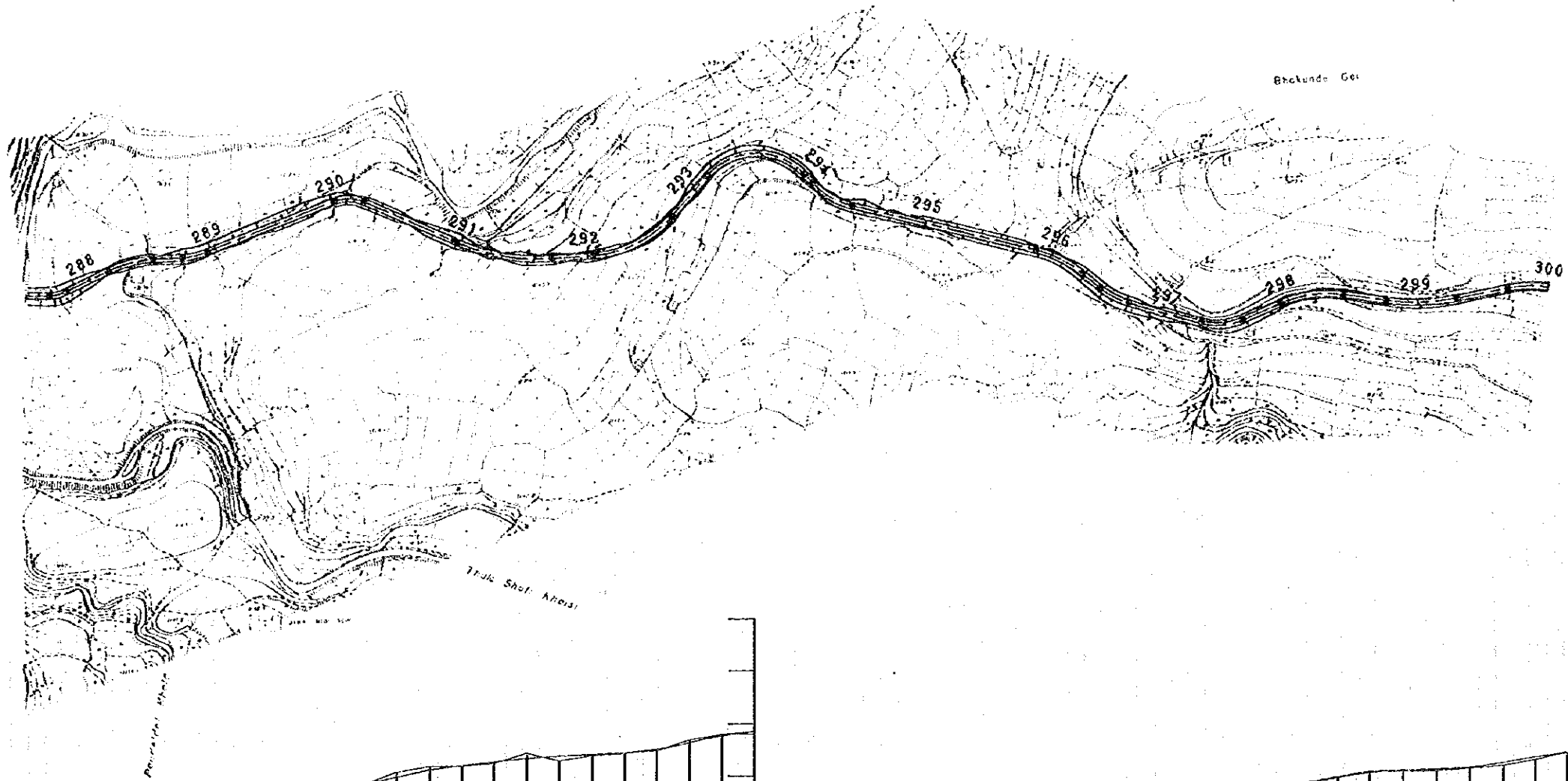
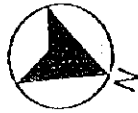




A-1-24: Plan and Profile
 STA.287+50~STA.300+00



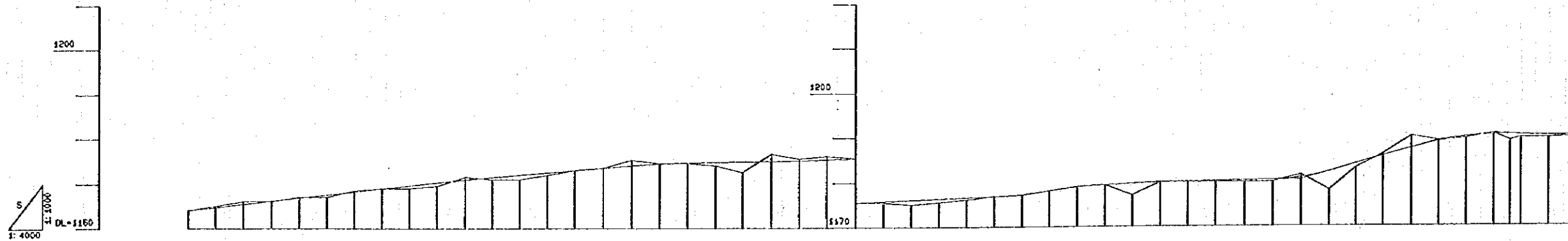
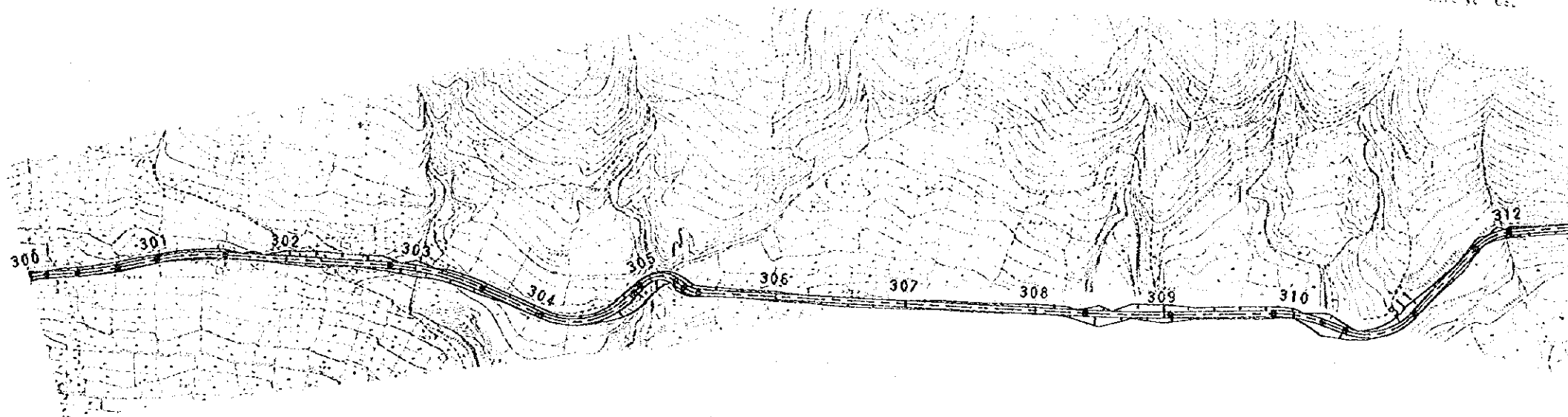
GRADE	+10.76% 200#		+6.00% 75#		+1.20% 125#		-6.00% 50#		-12.67% 75#		+1.60% 100#		-12.60% 100#		+10.67% 75#		+4.80% 100#		-10.67% 75#			
PROPOSED HEIGHT	1130.50	1132.13	1130.50	1132.31	1132.50	1132.83	1134.00	1134.00	1135.50	1137.00	1137.50	1137.90	1137.50	1137.60	1138.50	1137.90	1138.00	1138.20	1138.50	1138.80	1140.00	1140.00
GROUND HEIGHT	1130.50	1132.13	1130.50	1132.31	1132.50	1132.83	1134.00	1134.00	1135.50	1137.00	1137.50	1137.90	1137.50	1137.60	1138.50	1137.90	1138.00	1138.20	1138.50	1138.80	1140.00	1140.00
STATION	287+50	287+75	288	288+25	288+50	288+75	289	289+25	289+50	289+75	290	290+25	290+50	290+75	291	291+25	291+50	291+75	292	292+25	292+50	292+75
CURVE ELEMENT	R=50.00	L=35.81	R=50.00	R=30.00	L=104.11	R=50.00	R=30.00	L=75.69	R=150.00	L=43.87	R=50.00	R=60.00	L=145.08	R=50.00	R=50.00	L=58.13	R=50.00	R=50.00	R=50.00	R=50.00	R=50.00	R=50.00



N 30505

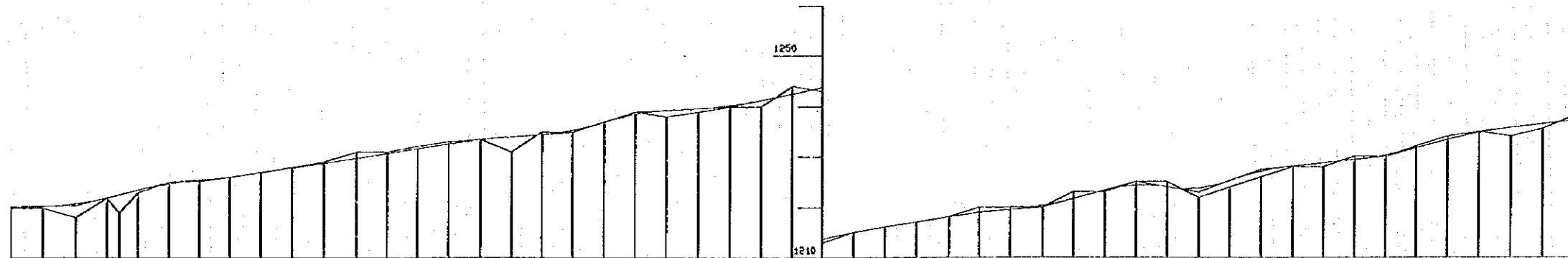
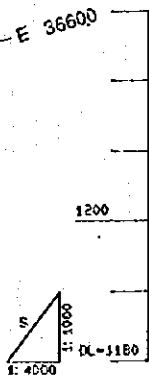
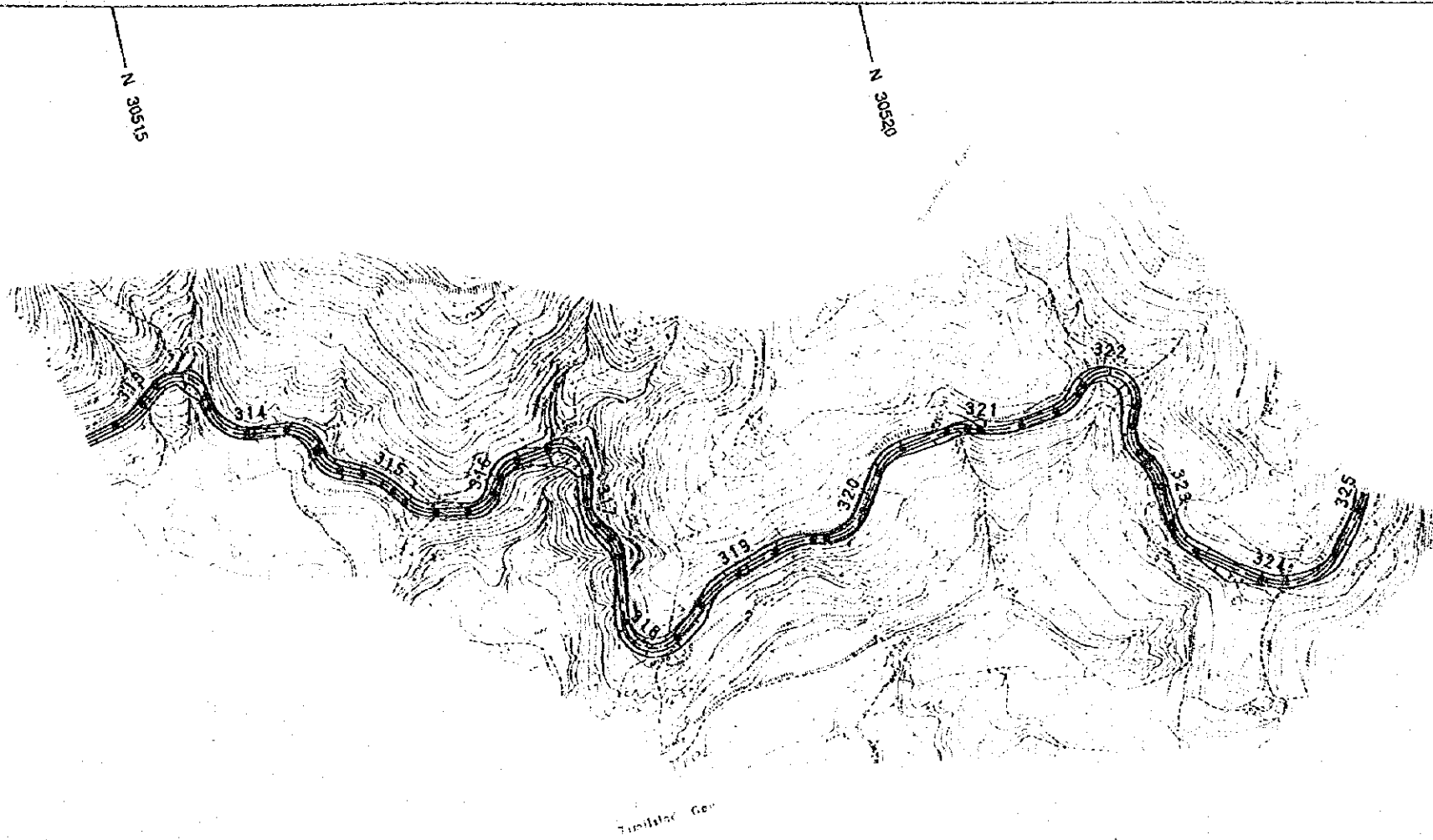
N 30510

A-1-25: Plan and Profile
STA.300+00~STA.312+50



GRADE	PROPOSED HEIGHT	GROUND HEIGHT	STATION	CURVE ELEMENT
1184.00	1184.13	1184.00	300	R=50.00
+2.60% 125%	1184.70	1185.00	300+25	R=200.00
	1185.40	1186.00	300+50	
	1186.10	1186.00	300+75	
	1186.80	1187.00	301	
	1187.50	1187.50	301+25	R=200.00
	1188.20	1188.50	301+50	
	1188.90	1189.00	301+75	
	1189.60	1189.00	302	
	1190.30	1189.50	302+25	L=128.52
	1191.00	1190.50	302+50	
	1191.70	1191.00	302+75	
	1192.00	1191.00	303	
	1192.80	1192.00	303+25	
	1193.50	1193.00	303+50	
	1194.00	1193.20	303+75	
	1194.80	1194.00	304	
	1195.60	1194.50	304+25	R=50.00
	1196.40	1195.00	304+50	
	1197.20	1196.00	304+75	
	1198.00	1197.00	305	
	1198.80	1197.50	305+25	R=20.00
	1199.60	1198.00	305+50	
	1200.40	1198.50	305+75	
	1201.20	1199.00	306	
	1202.00	1199.50	306+25	
	1202.80	1200.00	306+50	
	1203.60	1200.50	306+75	
	1204.40	1201.00	307	
	1205.20	1201.50	307+25	
	1206.00	1202.00	307+50	
	1206.80	1202.50	307+75	
	1207.60	1203.00	308	
	1208.40	1203.50	308+25	
	1209.20	1204.00	308+50	
	1210.00	1204.50	308+75	
	1210.80	1205.00	309	
	1211.60	1205.50	309+25	
	1212.40	1206.00	309+50	
	1213.20	1206.50	309+75	
	1214.00	1207.00	310	
	1214.80	1207.50	310+25	
	1215.60	1208.00	310+50	
	1216.40	1208.50	310+75	
	1217.20	1209.00	311	
	1218.00	1209.50	311+25	
	1218.80	1210.00	311+50	
	1219.60	1210.50	311+75	
	1220.40	1211.00	312	
	1221.20	1211.50	312+25	
	1222.00	1212.00	312+50	
	1222.80	1212.50	312+75	
	1223.60	1213.00	313	

A-1-26: Plan and Profile
 STA.312+50~STA.325+00



GRADE	+4.67% 75m		+6.40% 75m		-2.00% 50m		+3.75% 200m		-12.00% 75m		+8.00% 50m		+4.33% 75m		+5.00% 100m		+4.00% 50m		+9.00% 50m		+2.50% 100m		+5.67% 75m		+3.00% 100m																									
PROPOSED HEIGHT	1190.17	1190.33	1190.65	1192.00	1192.00	1193.50	1194.75	1196.11	1197.86	1199.61	1199.75	1200.89	1201.83	1202.56	1203.59	1204.50	1205.00	1205.38	1207.00	1208.38	1209.87	1210.20	1211.25	1212.50	1213.75	1214.94	1216.00	1216.87	1219.50	1220.25	1221.87	1223.33	1224.33	1224.00	1225.81	1227.25	1228.13	1229.36	1230.26	1231.87	1233.33	1234.77	1235.75	1236.50	1237.25					
GROUND HEIGHT	1189.90	1190.00	1190.65	1192.00	1193.50	1194.75	1196.11	1197.86	1199.61	1199.75	1200.89	1201.83	1202.56	1203.59	1204.50	1205.00	1205.38	1207.00	1208.38	1209.87	1210.20	1211.25	1212.50	1213.75	1214.94	1216.00	1216.87	1219.50	1220.25	1221.87	1223.33	1224.33	1224.00	1225.81	1227.25	1228.13	1229.36	1230.26	1231.87	1233.33	1234.77	1235.75	1236.50	1237.25						
STATION	312+50	312+75	313	313+25	313+50	313+75	314	314+25	314+50	314+75	315	315+25	315+50	315+75	316	316+25	316+50	316+75	317	317+25	317+50	317+75	318	318+25	318+50	318+75	319	319+25	319+50	320	320+25	320+50	320+75	321	321+25	321+50	321+75	322	322+25	322+50	322+75	323	323+25	323+50	323+75	324	324+25	324+50	324+75	325
CURVE ELEMENT	R=50.00		R=20.00		R=25.00		R=20.00		R=50.00		R=30.00		R=20.00		R=20.00		R=20.00		R=20.00		L=44.81		R=20.00		R=50.00		R=50.00		R=30.00		R=30.00		R=20.00		R=40.00		L=48.16		R=30.00		R=40.00		L=33.68		R=50.00					

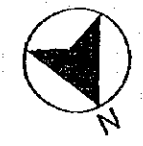
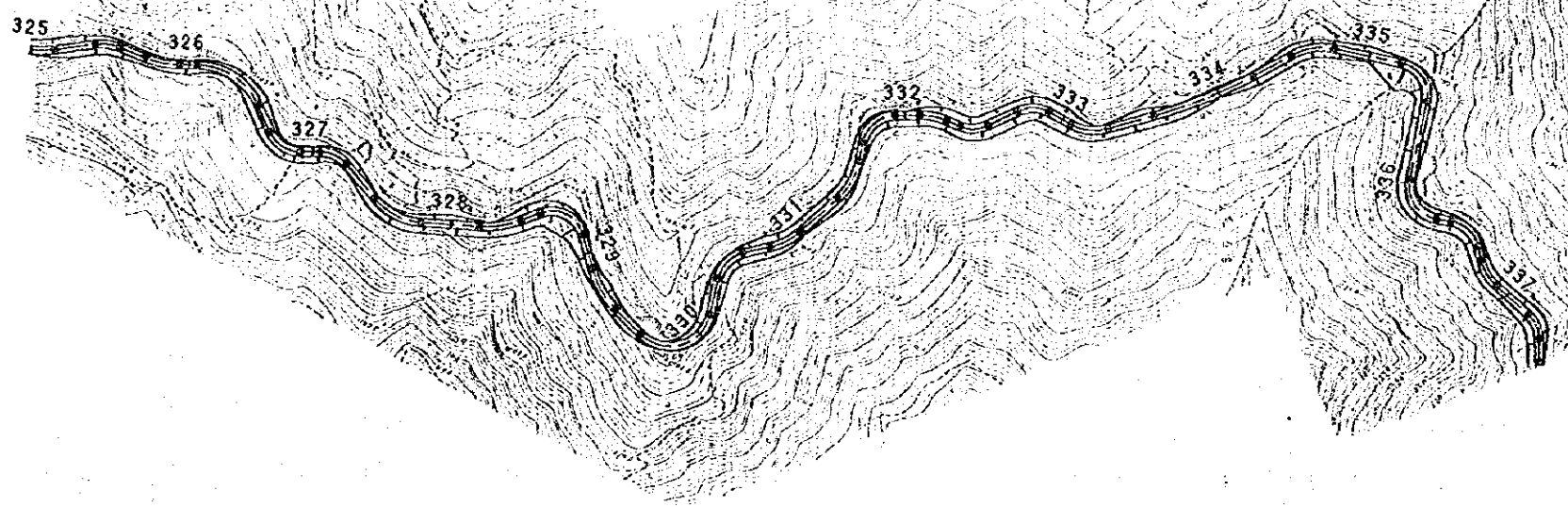
E 36500

E 36550

E 36600

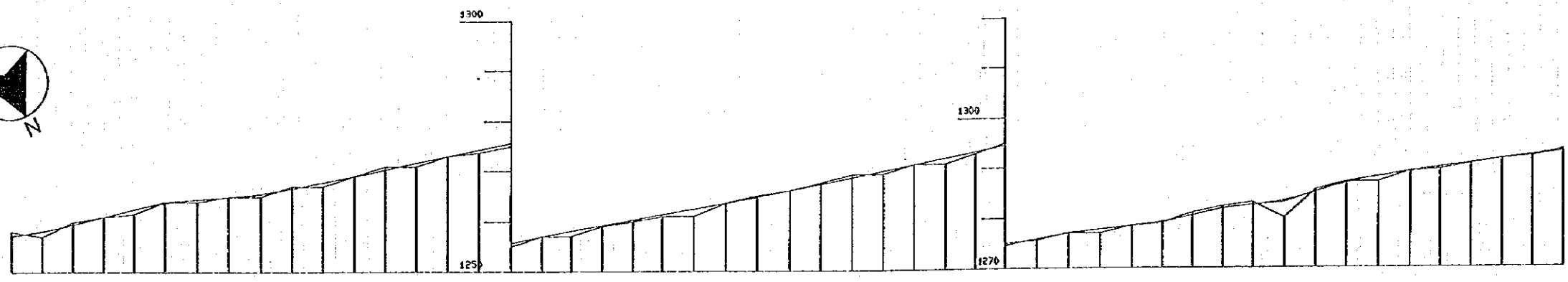
N 30525

A-1-27: Plan and Profile
 STA.325+00~STA.337+50



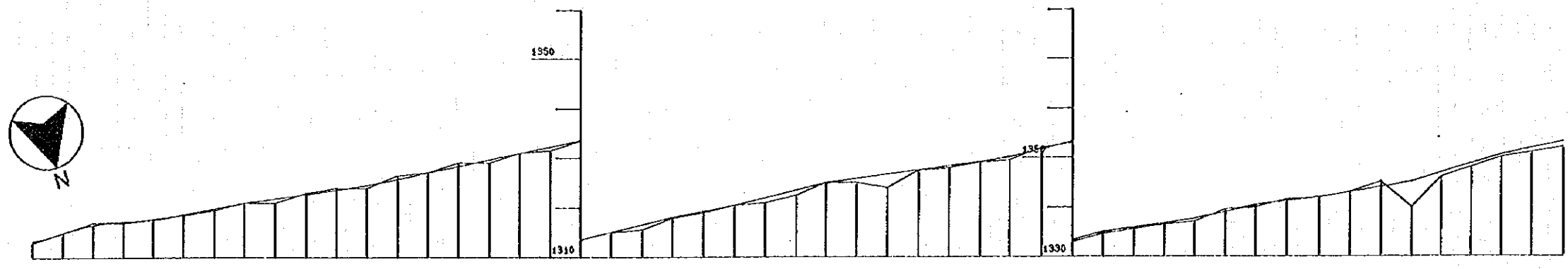
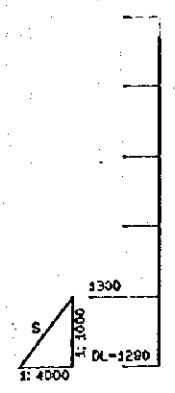
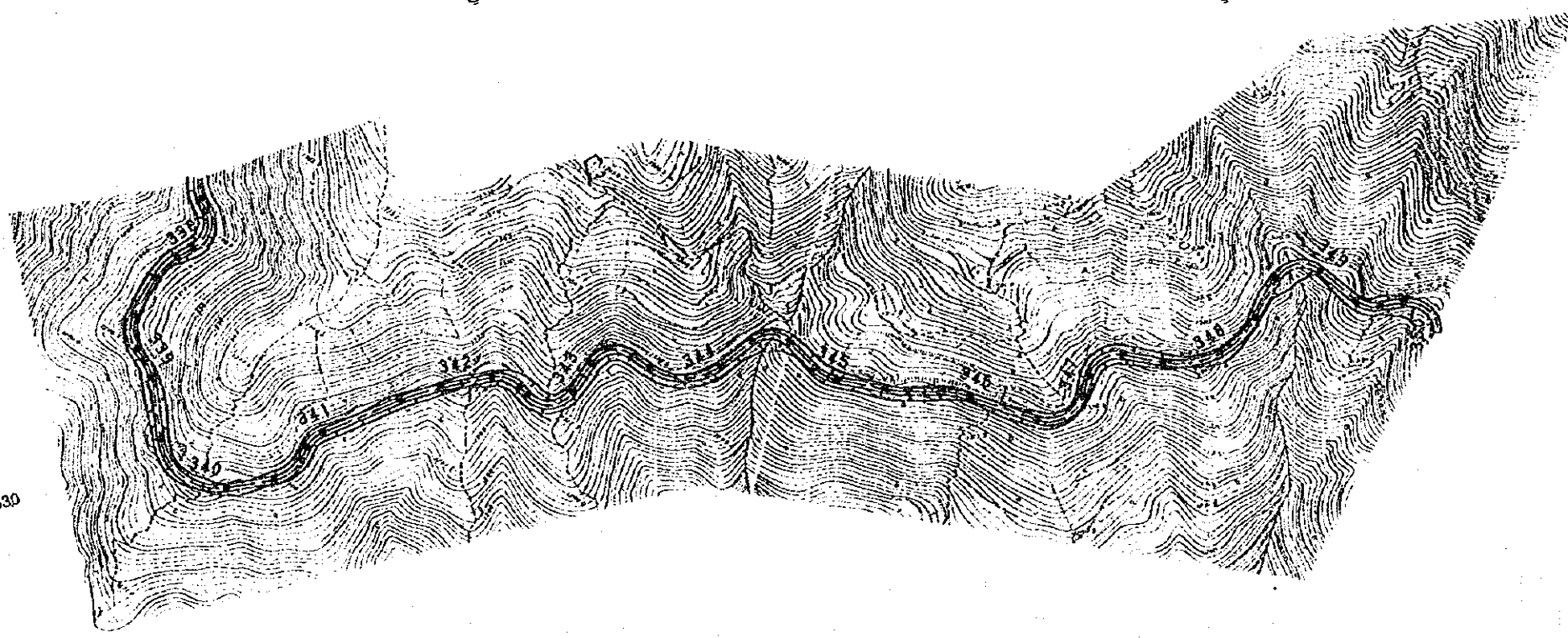
N 30525

1:4000
 1:1000
 1:1230



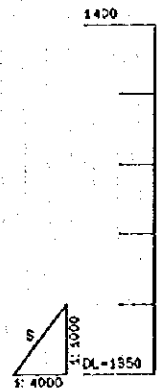
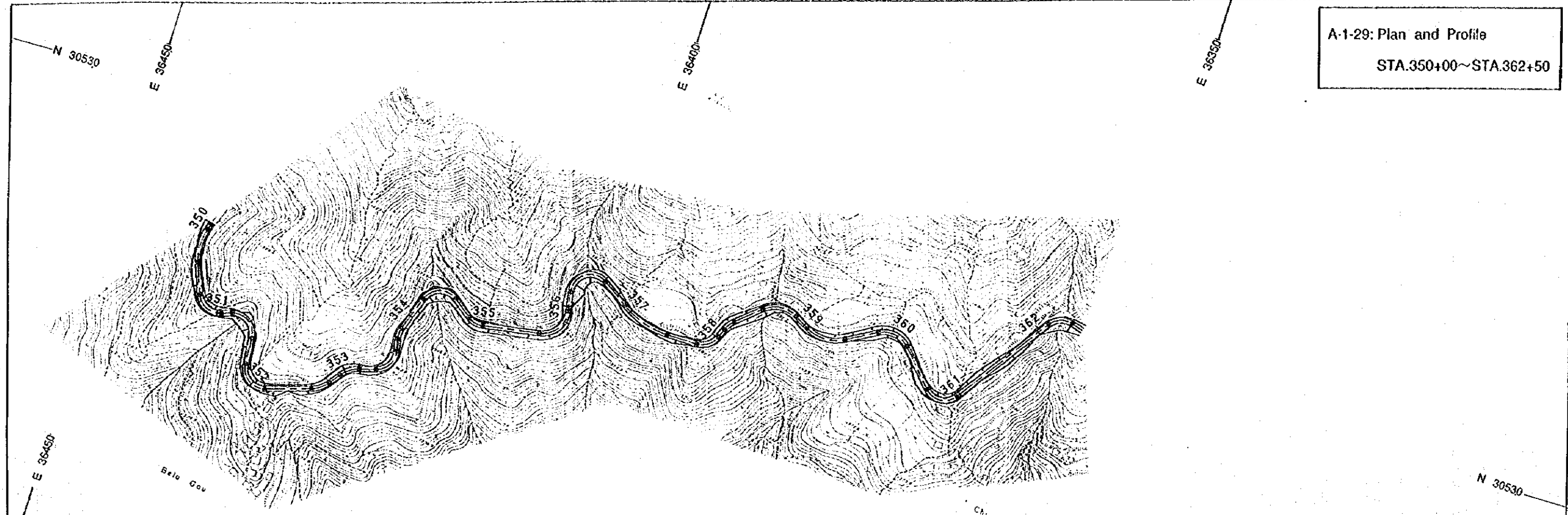
GRADE	PROPOSED HEIGHT	GROUND HEIGHT	STATION	CURVE ELEMENT
1238.00	1237.75	1238.00	325	R=50.00
1237.00	1236.15	1237.00	325+25	R=50.00
1240.00	1239.90	1240.00	325+50	R=30.00
1241.00	1241.00	1241.00	325+75	R=40.00
1241.50	1242.50	1241.50	326	R=20.00
1244.00	1243.75	1244.00	326+25	R=40.00
1244.00	1244.50	1244.00	326+50	R=20.00
1245.00	1245.00	1245.00	326+75	R=40.00
1245.00	1245.67	1245.00	327	R=20.00
1247.00	1246.67	1247.00	327+25	R=40.00
1247.00	1247.65	1247.00	327+50	R=40.00
1249.00	1249.04	1249.00	327+75	R=40.00
1251.00	1250.35	1251.00	328	R=50.00
1251.00	1251.67	1251.00	328+25	R=50.00
1253.00	1253.00	1253.00	328+50	R=20.00
1253.75	1254.33	1253.75	328+75	R=20.00
1255.00	1255.67	1255.00	329	R=20.00
1257.00	1256.06	1257.00	329+25	R=20.00
1259.00	1259.17	1259.00	329+75	R=20.00
1260.00	1260.25	1260.00	330	R=20.00
1261.00	1261.33	1261.00	330+25	R=20.00
1261.00	1262.42	1261.00	330+50	R=20.00
1263.50	1263.54	1263.50	330+75	R=20.00
1265.00	1264.73	1265.00	331	R=20.00
1265.00	1265.95	1265.00	331+25	R=20.00
1267.50	1267.18	1267.50	331+50	R=20.00
1269.00	1268.41	1269.00	331+75	R=20.00
1269.00	1269.64	1269.00	332	R=20.00
1271.00	1270.86	1271.00	332+25	R=20.00
1271.00	1272.09	1271.00	332+50	R=20.00
1273.00	1273.32	1273.00	332+75	R=20.00
1275.00	1274.55	1275.00	333	R=20.00
1275.00	1275.77	1275.00	333+25	R=20.00
1275.85	1276.85	1277.00	333+50	R=20.00
1278.83	1277.67	1278.83	333+75	R=20.00
1279.50	1278.35	1279.50	334	R=20.00
1279.00	1279.21	1279.00	334+25	R=20.00
1280.50	1280.50	1280.50	334+50	R=20.00
1282.33	1281.79	1282.33	334+75	R=20.00
1285.00	1282.50	1285.00	335	R=20.00
1285.00	1283.30	1285.00	335+25	R=20.00
1285.50	1285.00	1285.50	335+50	R=20.00
1287.00	1286.75	1287.00	335+75	R=20.00
1287.00	1288.00	1287.00	336	R=20.00
1289.00	1288.98	1289.00	336+25	R=20.00
1289.50	1289.83	1289.50	336+50	R=20.00
1290.50	1290.87	1290.50	336+75	R=20.00
1291.50	1291.48	1291.50	337	R=20.00
1292.00	1292.26	1292.00	337+25	R=20.00
1293.00	1293.34	1293.00	337+50	R=20.00

A-1-28: Plan and Profile
 STA.337+50~STA.350+00



GRADE	PROPOSED HEIGHT	GROUND HEIGHT	STATION	CURVE ELEMENT
1282.00 15.00% 75m	1293.31	1293.00	337+50	R=20.00
1287.00 15.00% 50m	1295.00	1295.00	337+75	R=20.00
1287.50 14.87% 75m	1296.96	1297.00	338	R=40.00
1297.50 14.87% 75m	1297.25	1297.00	338+25	R=20.00
1298.00 14.87% 75m	1297.73	1297.50	339+50	R=20.00
1298.50 14.87% 75m	1298.67	1298.50	339+75	R=20.00
1299.00 14.87% 75m	1299.63	1299.50	339	R=20.00
1299.50 14.87% 75m	1299.83	1299.50	339+25	R=20.00
1300.00 14.87% 75m	1300.53	1301.00	339+50	R=20.00
1300.50 14.87% 75m	1301.08	1301.00	339+75	R=20.00
1301.00 14.87% 75m	1302.75	1303.00	340	R=20.00
1301.50 14.87% 75m	1303.83	1304.00	340+25	R=20.00
1302.00 14.87% 75m	1304.86	1304.00	340+50	R=20.00
1302.50 14.87% 75m	1305.79	1306.50	340+75	R=20.00
1303.00 14.87% 75m	1307.07	1307.00	341	R=20.00
1303.50 14.87% 75m	1308.36	1309.00	341+25	R=20.00
1304.00 14.87% 75m	1309.64	1309.00	341+50	R=20.00
1304.50 14.87% 75m	1310.93	1311.00	341+75	R=20.00
1305.00 14.87% 75m	1312.21	1311.50	342	R=20.00
1305.50 14.87% 75m	1313.50	1313.50	342+25	R=20.00
1306.00 14.87% 75m	1315.00	1315.00	342+50	R=20.00
1306.50 14.87% 75m	1316.50	1316.50	342+75	R=20.00
1307.00 14.87% 75m	1318.00	1317.80	343	R=20.00
1307.50 14.87% 75m	1319.25	1319.00	343+25	R=20.00
1308.00 14.87% 75m	1320.50	1320.50	343+50	R=20.00
1308.50 14.87% 75m	1322.00	1321.00	343+75	R=20.00
1309.00 14.87% 75m	1323.50	1322.50	344	R=20.00
1309.50 14.87% 75m	1325.00	1325.00	344+25	R=20.00
1310.00 14.87% 75m	1326.50	1326.00	344+50	R=20.00
1310.50 14.87% 75m	1328.00	1328.00	344+75	R=20.00
1311.00 14.87% 75m	1329.50	1329.50	345	R=20.00
1311.50 14.87% 75m	1331.00	1331.00	345+25	R=20.00
1312.00 14.87% 75m	1332.50	1332.50	345+50	R=20.00
1312.50 14.87% 75m	1334.00	1334.00	345+75	R=20.00
1313.00 14.87% 75m	1335.50	1335.50	346	R=20.00
1313.50 14.87% 75m	1337.00	1337.00	346+25	R=20.00
1314.00 14.87% 75m	1338.50	1338.50	346+50	R=20.00
1314.50 14.87% 75m	1340.00	1340.00	346+75	R=20.00
1315.00 14.87% 75m	1341.50	1341.50	347	R=20.00
1315.50 14.87% 75m	1343.00	1342.00	347+25	R=20.00
1316.00 14.87% 75m	1344.00	1343.00	347+50	R=20.00
1316.50 14.87% 75m	1345.00	1344.00	347+75	R=20.00
1317.00 14.87% 75m	1346.00	1346.00	348	R=20.00
1317.50 14.87% 75m	1347.00	1347.00	348+25	R=20.00
1318.00 14.87% 75m	1348.00	1348.00	348+50	R=20.00
1318.50 14.87% 75m	1349.00	1349.00	348+75	R=20.00
1319.00 14.87% 75m	1350.00	1350.00	349	R=20.00
1319.50 14.87% 75m	1351.00	1351.00	349+25	R=20.00
1320.00 14.87% 75m	1352.00	1352.00	349+50	R=20.00
1320.50 14.87% 75m	1353.10	1353.10	349+75	R=20.00
1321.00 14.87% 75m	1354.00	1354.00	350	R=20.00

A-1-29: Plan and Profile
 STA.350+00~STA.362+50



GRADE	PROPOSED HEIGHT	GROUND HEIGHT	STATION	CURVE ELEMENT
15.20% 125m	1383.10	1382.00	350	R=20.00
	1384.40	1385.50	350+25	R=50.60
	1385.70	1389.80	350+50	R=20.00
	1387.00	1387.00	350+75	
14.80% 125m	1388.20	1387.50	351	
	1389.60	1388.00	351+25	R=20.00
	1391.00	1388.00	351+50	
	1392.40	1388.00	351+75	
	1393.80	1388.00	352	
	1395.20	1388.00	352+25	L=47.67
14.00% 100m	1396.60	1388.00	352+50	
	1398.00	1388.00	352+75	
	1399.40	1388.00	353	
15.33% 75m	1400.80	1388.00	353+25	R=30.00
	1402.20	1388.00	353+50	
	1403.60	1388.00	353+75	R=20.00
	1405.00	1388.00	354	L=36.55
	1406.40	1388.00	354+25	
	1407.80	1388.00	354+50	R=20.00
	1409.20	1388.00	354+75	
	1410.60	1388.00	355	
	1412.00	1388.00	355+25	L=57.26
	1413.40	1388.00	355+50	
	1414.80	1388.00	355+75	R=20.00
	1416.20	1388.00	356	
	1417.60	1388.00	356+25	R=20.00
	1419.00	1388.00	356+50	
	1420.40	1388.00	356+75	
	1421.80	1388.00	357	
	1423.20	1388.00	357+25	R=26.00
	1424.60	1388.00	357+50	
	1426.00	1388.00	357+75	R=20.00
	1427.40	1388.00	358	
	1428.80	1388.00	358+25	R=26.00
	1430.20	1388.00	358+50	
	1431.60	1388.00	358+75	
	1433.00	1388.00	359	
	1434.40	1388.00	359+25	R=26.00
	1435.80	1388.00	359+50	
	1437.20	1388.00	359+75	R=30.00
	1438.60	1388.00	360	
	1440.00	1388.00	360+25	R=26.00
	1441.40	1388.00	360+50	
	1442.80	1388.00	360+75	L=34.45
	1444.20	1388.00	361	
	1445.60	1388.00	361+25	L=46.68
	1447.00	1388.00	361+50	
	1448.40	1388.00	361+75	
	1449.80	1388.00	362	L=117.51
	1451.20	1388.00	362+25	
	1452.60	1388.00	362+50	R=20.00

A-1-30: Plan and Profile
 STA.362+50~STA.375+00

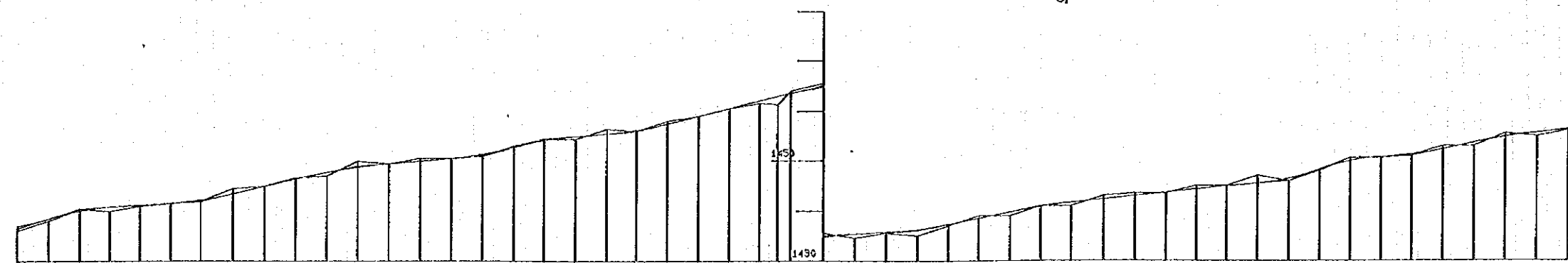


E 36350

E 36500

E 36650

N 30530



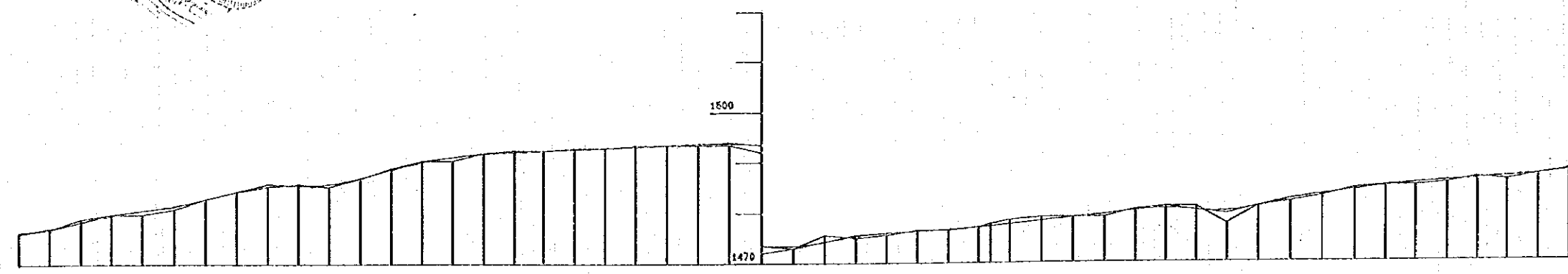
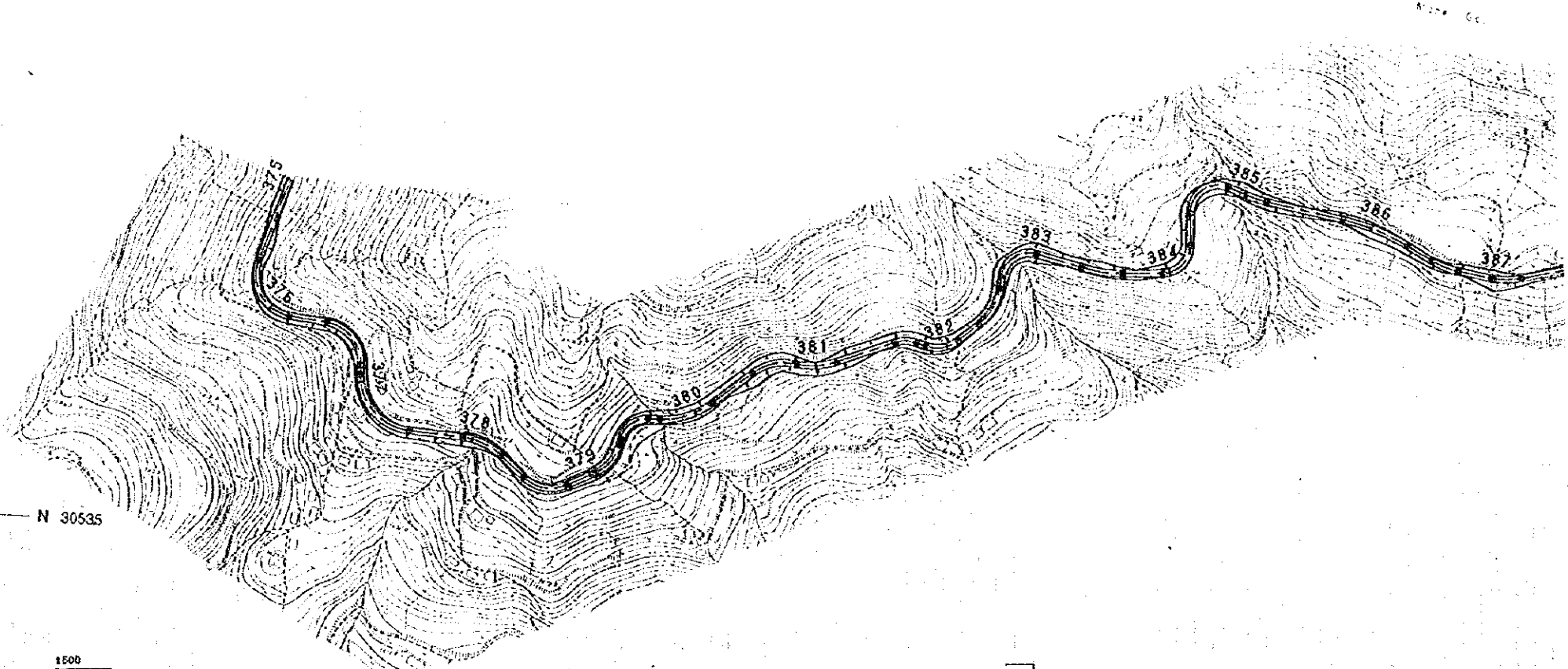
GRADE	PROPOSED HEIGHT	GROUND HEIGHT	STATION	CURVE ELEMENT
1405.00	1405.04	1405.00	362+50	R=30.00
1408.00	1408.30	1408.00	362+75	L=35.93
1410.50	1410.08	1410.50	363	R=60.00
1410.00	1410.88	1410.00	363+25	R=20.00
1411.00	1411.25	1411.00	363+50	L=39.38
1411.50	1411.83	1411.50	363+75	R=20.00
1412.00	1412.28	1412.00	364	L=58.61
1414.50	1413.50	1414.50	364+25	R=40.00
1415.00	1415.00	1415.00	364+50	R=30.00
1418.70	1418.44	1418.70	364+75	L=71.95
1417.00	1417.75	1417.00	365	R=20.00
1420.00	1418.35	1420.00	365+25	L=64.94
1419.50	1419.50	1419.50	365+50	R=20.00
1420.50	1420.00	1420.50	365+75	L=50.41
1420.50	1420.50	1420.50	366	R=160.00
1421.00	1421.31	1421.00	366+25	L=62.93
1423.00	1422.75	1423.00	366+50	R=20.00
1424.50	1424.19	1424.50	366+75	L=48.65
1424.50	1425.00	1424.50	367	R=20.00
1426.50	1425.50	1426.50	367+25	L=43.05
1425.00	1425.25	1425.00	367+50	R=30.00
1428.00	1427.20	1428.00	367+75	R=20.00
1429.00	1429.00	1429.00	368	R=50.00
1430.50	1430.50	1430.50	368+25	R=160.00
1431.50	1432.00	1431.50	368+50	L=48.65
1431.50	1432.00	1431.50	368+75	R=20.00
1434.00	1433.50	1434.00	369	L=43.05
1435.50	1434.71	1435.50	369+25	R=30.00
1434.50	1435.25	1434.50	369+50	R=20.00
1435.50	1435.87	1435.50	369+75	L=48.65
1435.00	1436.23	1435.00	370	R=20.00
1437.00	1437.23	1437.00	370+25	R=50.00
1439.00	1439.50	1439.00	370+50	R=160.00
1439.00	1439.75	1439.00	370+75	L=62.93
1441.00	1440.88	1441.00	371	R=20.00
1441.00	1441.87	1441.00	371+25	R=30.00
1443.00	1442.25	1443.00	371+50	L=48.65
1443.50	1443.00	1443.50	371+75	R=20.00
1445.00	1444.35	1445.00	372	R=20.00
1445.00	1444.86	1445.00	372+25	R=50.00
1447.00	1445.50	1447.00	372+50	R=20.00
1448.00	1446.44	1448.00	372+75	L=48.65
1448.00	1448.25	1448.00	373	R=20.00
1450.50	1450.00	1450.50	373+25	R=50.00
1450.50	1450.75	1450.50	373+50	R=20.00
1451.00	1451.27	1451.00	373+75	L=48.65
1453.00	1452.35	1453.00	374	R=50.00
1453.00	1453.87	1453.00	374+25	R=160.00
1455.50	1454.80	1455.50	374+50	L=48.65
1455.00	1455.87	1455.00	374+75	R=20.00
1456.20	1456.33	1456.20	375	R=50.00



A-1-31: Plan and Profile
 STA.375+00~STA.387+50

E 36250

E 36200



N 30535

GRADE	PROPOSED HEIGHT	GROUND HEIGHT	STATION	CURVE ELEMENT
1456.20	1456.30	1456.20	375	
1457.00	1457.21	1457.00	375+25	L=97.41
1458.50	1458.50	1458.50	375+50	R=30.00
1459.81	1459.81	1459.81	375+75	
1460.75	1460.75	1460.75	376	
1461.69	1461.69	1461.69	376+25	
1463.00	1463.00	1463.00	376+50	R=33.00
1464.50	1464.50	1464.50	376+75	
1465.56	1465.56	1465.56	377	
1466.75	1466.75	1466.75	377+25	
1468.96	1468.96	1468.96	377+50	R=50.00
1467.17	1467.17	1467.17	377+75	L=38.47
1468.80	1468.80	1468.80	378	
1470.27	1470.27	1470.27	378+25	R=50.00
1471.25	1471.25	1471.25	378+50	
1471.67	1471.67	1471.67	378+75	
1472.25	1472.25	1472.25	379	
1472.50	1472.50	1472.50	379+25	R=20.00
1472.75	1472.75	1472.75	379+50	
1473.00	1473.00	1473.00	379+75	
1473.25	1473.25	1473.25	380	
1473.50	1473.50	1473.50	380+25	L=36.17
1473.75	1473.75	1473.75	380+50	
1473.81	1473.81	1473.81	380+75	R=40.00
1473.50	1473.50	1473.50	381	
1473.44	1473.44	1473.44	381+25	R=26.00
1474.25	1474.25	1474.25	381+50	
1475.28	1475.28	1475.28	381+75	
1475.86	1475.86	1475.86	382	
1476.25	1476.25	1476.25	382+25	R=26.00
1476.83	1476.83	1476.83	382+50	R=40.00
1477.06	1477.06	1477.06	382+75	
1477.27	1477.27	1477.27	383	
1477.53	1477.53	1477.53	383+25	R=20.00
1478.25	1478.25	1478.25	383+50	
1478.86	1478.86	1478.86	383+75	
1479.88	1479.88	1479.88	384	
1480.25	1480.25	1480.25	384+25	R=20.00
1480.62	1480.62	1480.62	384+50	
1480.25	1480.25	1480.25	384+75	
1480.06	1480.06	1480.06	385	
1481.00	1481.00	1481.00	385+25	R=20.00
1482.33	1482.33	1482.33	385+50	
1484.17	1484.17	1484.17	385+75	L=57.51
1484.80	1484.80	1484.80	386	
1485.40	1485.40	1485.40	386+25	R=160.00
1485.80	1485.80	1485.80	386+50	
1485.80	1485.80	1485.80	386+75	
1486.20	1486.20	1486.20	387	
1487.10	1487.10	1487.10	387+25	R=50.00
1487.80	1487.80	1487.80	387+50	



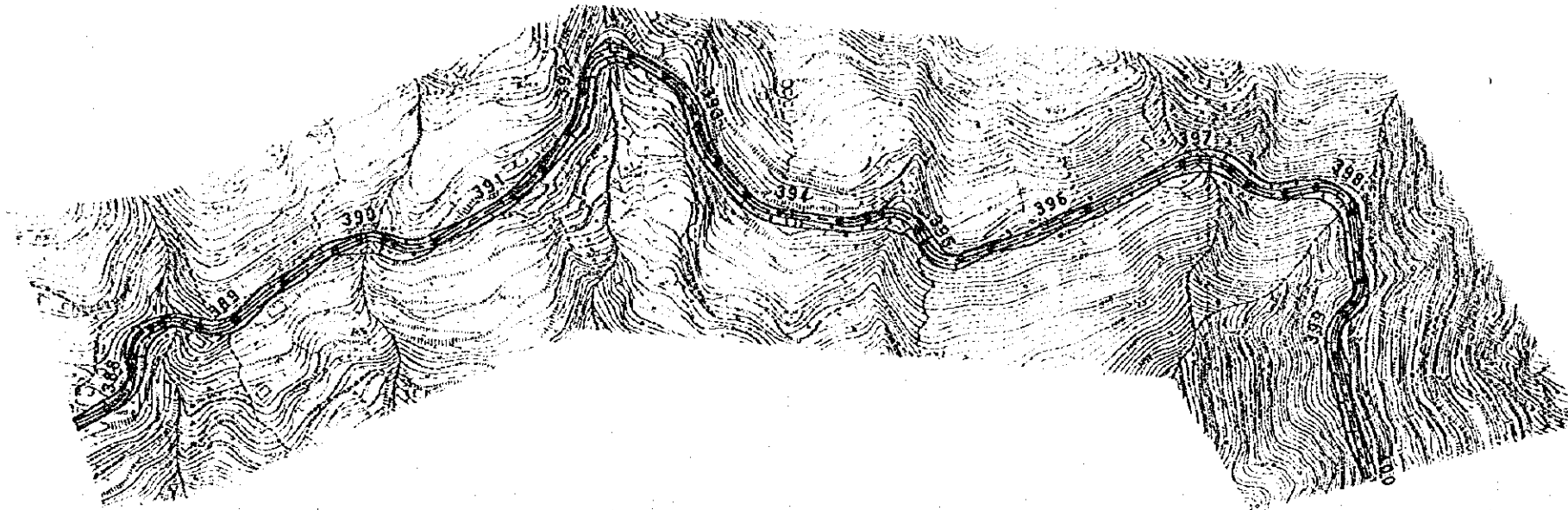
E 36100

E 36150

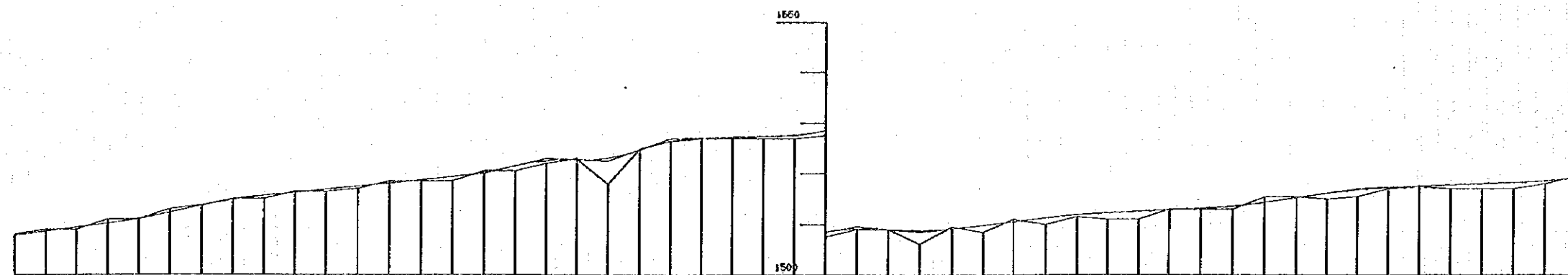
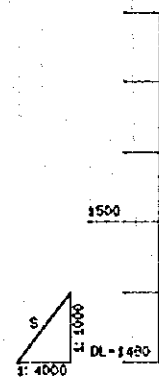
N 30535

A-1-32: Plan and Profile
STA.387+50~STA.400+00

N 30535

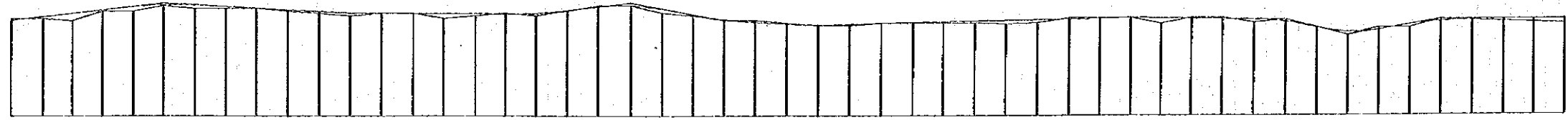
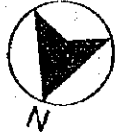
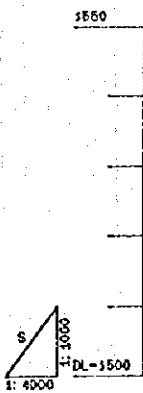
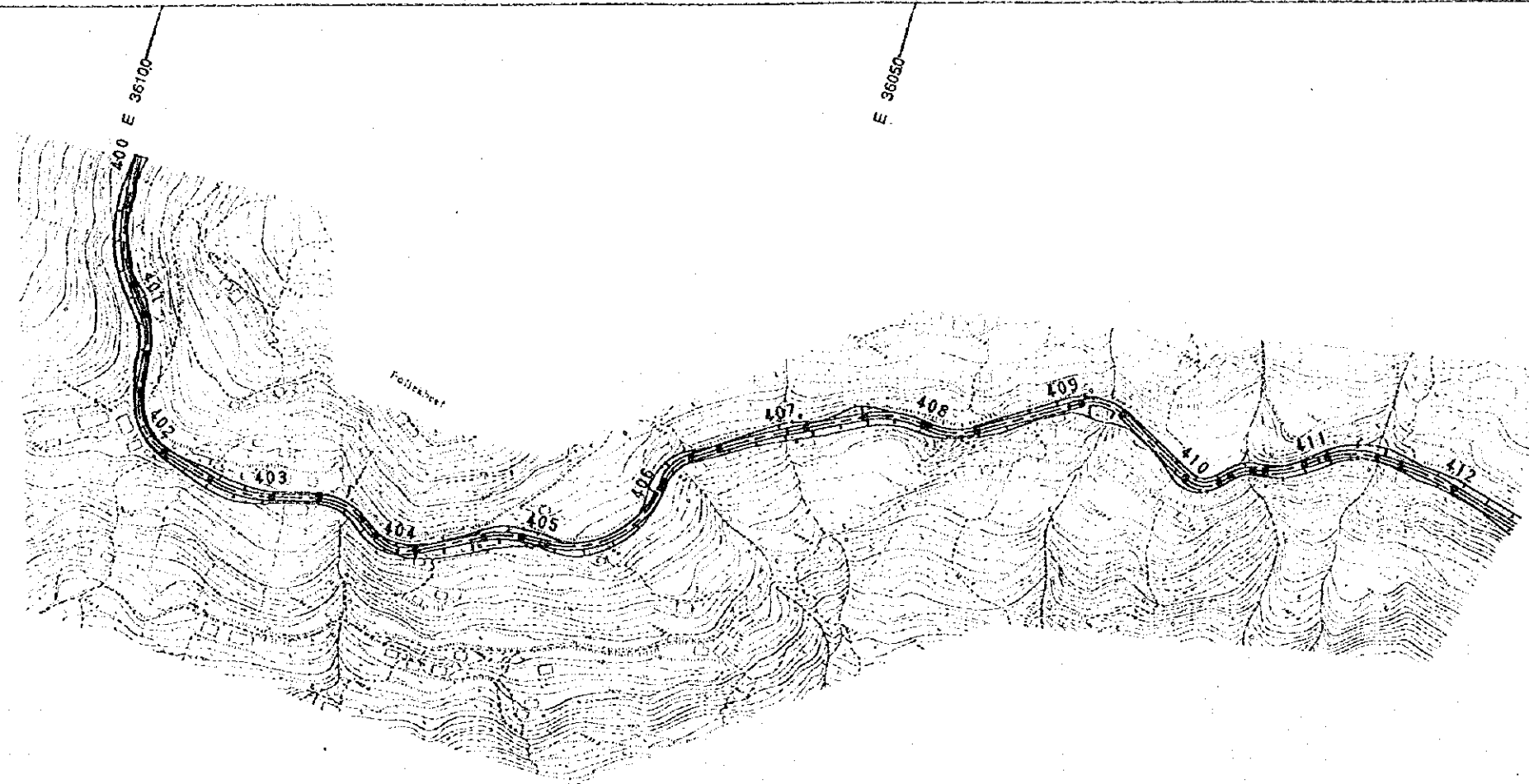


N 30530



GRADE																																																			
PROPOSED HEIGHT	1488.00	1487.80	1489.00	1489.40	1490.20	1491.13	1492.33	1493.67	1494.92	1495.83	1496.25	1496.88	1497.50	1498.13	1498.75	1499.36	1500.00	1500.50	1501.00	1501.50	1502.00	1502.50	1503.13	1503.75	1504.37	1505.00	1505.63	1506.25	1506.88	1507.50	1508.13	1508.75	1509.38	1510.00	1510.63	1511.25	1511.88	1512.50	1513.13	1513.75	1514.38	1515.00	1515.63	1516.25	1516.88	1517.50	1518.13	1518.75	1519.38	1519.50	
GROUND HEIGHT	1488.00	1489.00	1489.40	1490.20	1491.13	1492.33	1493.67	1494.92	1495.83	1496.25	1496.88	1497.50	1498.13	1498.75	1499.36	1500.00	1500.50	1501.00	1501.50	1502.00	1502.50	1503.13	1503.75	1504.37	1505.00	1505.63	1506.25	1506.88	1507.50	1508.13	1508.75	1509.38	1510.00	1510.63	1511.25	1511.88	1512.50	1513.13	1513.75	1514.38	1515.00	1515.63	1516.25	1516.88	1517.50	1518.13	1518.75	1519.38	1519.50		
STATION	387+50	387+75	388	388+25	388+50	388+75	389	389+25	389+50	389+75	390	390+25	390+50	390+75	391	391+25	391+50	391+75	392	392+25	392+50	392+75	393	393+25	393+50	393+75	394	394+25	394+50	394+75	395	395+25	395+50	395+75	396	396+25	396+50	396+75	397	397+25	397+50	397+75	398	398+25	398+50	398+75	399	399+25	399+50	399+75	400
CURVE ELEMENT																																																			

A-1-33: Plan and Profile
 STA.400+00~STA.412+50

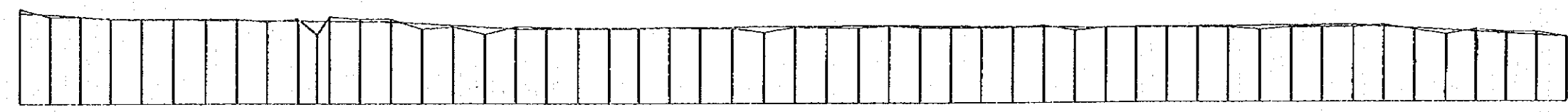
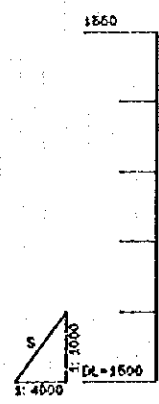


GRADE	PROPOSED HEIGHT	GROUND HEIGHT	STATION	CURVE ELEMENT
12.67% 150ft	1519.17	1519.50	400	R=90.00
	1519.03	1519.50	400+25	
	1520.30	1519.00	400+50	
	1521.57	1521.00	400+75	
	1522.85	1522.00	401	R=75.00
-1.33% 150ft	1524.13	1524.00	401+25	
	1525.40	1525.00	401+50	L=38.04
	1526.67	1526.00	401+75	
	1527.95	1527.50	402	R=40.00
	1529.22	1529.00	402+25	
	1530.50	1530.50	402+50	L=47.60
	1531.77	1531.50	402+75	
	1533.05	1533.00	403	R=50.00
	1534.32	1534.00	403+25	
	1535.60	1535.00	403+50	
	1536.87	1536.00	403+75	
	1538.15	1538.00	404	R=30.00
	1539.42	1539.00	404+25	
	1540.70	1540.00	404+50	
	1541.97	1541.00	404+75	
	1543.25	1543.00	405	R=70.00
	1544.52	1544.00	405+25	
	1545.80	1545.00	405+50	
	1547.07	1547.00	405+75	
	1548.35	1548.00	406	R=30.00
	1549.62	1549.00	406+25	
	1550.90	1550.00	406+50	
	1552.17	1552.00	406+75	
	1553.45	1553.00	407	R=500.00
	1554.72	1554.00	407+25	
	1556.00	1556.00	407+50	L=41.63
	1557.27	1557.00	407+75	
	1558.55	1558.00	408	R=70.00
	1559.82	1559.00	408+25	
	1561.10	1561.00	408+50	
	1562.37	1562.00	408+75	
	1563.65	1563.00	409	R=30.00
	1564.92	1564.00	409+25	
	1566.20	1566.00	409+50	L=73.64
	1567.47	1567.00	409+75	
	1568.75	1568.00	410	L=65.00
	1570.02	1570.00	410+25	
	1571.30	1571.00	410+50	
	1572.57	1572.00	410+75	
	1573.85	1573.00	411	R=30.00
	1575.12	1575.00	411+25	
	1576.40	1576.00	411+50	R=80.00
	1577.67	1577.00	411+75	
	1578.95	1578.00	412	R=160.00
	1580.22	1580.00	412+25	
	1581.50	1581.00	412+50	L=58.63

A-1-34: Plan and Profile
 STA.412+50~STA.425+00



ACTIVE LAND-SLIDE TO BE PROTECTED



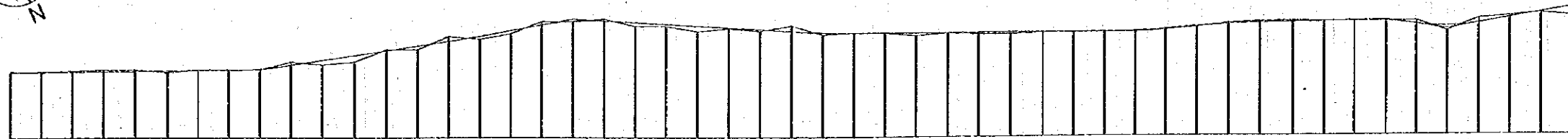
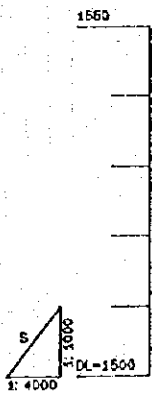
GRADE	PROPOSED HEIGHT	GROUND HEIGHT	STATION	CURVE ELEMENT
1516.00	1516.20	1515.00	412+60	R=30.00
1517.00	1517.02	1517.50	412+75	R=30.00
1517.50	1517.30	1517.50	413	R=50.00
1517.00	1517.11	1517.00	413+25	R=25.00
1517.00	1517.84	1517.00	413+50	R=20.00
1517.00	1518.89	1517.00	413+75	R=20.00
1517.00	1518.83	1517.00	414	R=20.00
1517.00	1518.76	1517.00	414+25	R=20.00
1518.50	1518.72	1518.50	414+50	R=20.00
1517.00	1518.07	1517.00	414+75	R=20.00
1514.00	1518.63	1514.00	414+90	R=20.00
1517.50	1518.61	1517.50	415	R=20.00
1517.00	1518.98	1517.00	415+25	R=20.00
1517.00	1518.42	1517.00	415+50	R=20.00
1515.00	1518.13	1515.00	415+75	R=20.00
1515.50	1518.75	1515.50	416	R=20.00
1514.00	1518.38	1514.00	416+25	R=20.00
1515.00	1518.10	1515.00	416+50	R=20.00
1515.00	1518.04	1515.00	416+75	R=20.00
1515.00	1518.08	1515.00	417	R=20.00
1515.00	1518.13	1515.00	417+25	R=20.00
1515.00	1518.17	1515.00	417+50	R=20.00
1515.20	1518.21	1515.20	417+75	R=20.00
1515.00	1518.25	1515.00	418	R=20.00
1515.00	1518.25	1515.00	418+25	R=20.00
1515.00	1518.29	1515.00	418+50	R=20.00
1514.20	1518.33	1514.20	418+75	R=20.00
1515.20	1518.38	1515.20	419	R=20.00
1515.00	1518.42	1515.00	419+25	R=20.00
1515.00	1518.46	1515.00	419+50	R=20.00
1515.50	1518.47	1515.50	419+75	R=20.00
1515.00	1518.43	1515.00	420	R=20.00
1515.00	1518.38	1515.00	420+25	R=20.00
1515.00	1518.29	1515.00	420+50	R=20.00
1515.00	1518.21	1515.00	420+75	R=20.00
1514.50	1518.07	1514.50	421	R=20.00
1515.00	1518.03	1515.00	421+25	R=20.00
1515.00	1518.06	1515.00	421+50	R=20.00
1515.00	1518.13	1515.00	421+75	R=20.00
1515.00	1518.19	1515.00	422	R=20.00
1515.00	1518.23	1515.00	422+25	R=20.00
1514.50	1518.31	1514.50	422+50	R=20.00
1515.00	1518.36	1515.00	422+75	R=20.00
1515.00	1518.44	1515.00	423	R=20.00
1515.00	1518.40	1515.00	423+25	R=20.00
1515.00	1518.14	1515.00	423+50	R=20.00
1514.50	1518.79	1514.50	423+75	R=20.00
1513.50	1518.43	1513.50	424	R=20.00
1514.00	1518.07	1514.00	424+25	R=20.00
1514.00	1513.71	1514.00	424+50	R=20.00
1514.00	1513.36	1514.00	424+75	R=20.00
1513.00	1513.10	1513.00	425	R=20.00

A-1-35: Plan and Profile
 STA.425+00~STA.437+50

E 35900

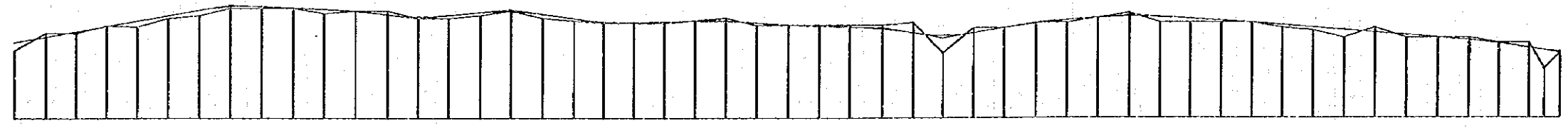
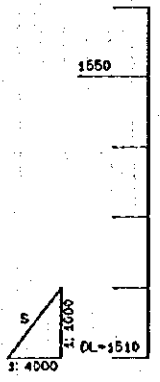
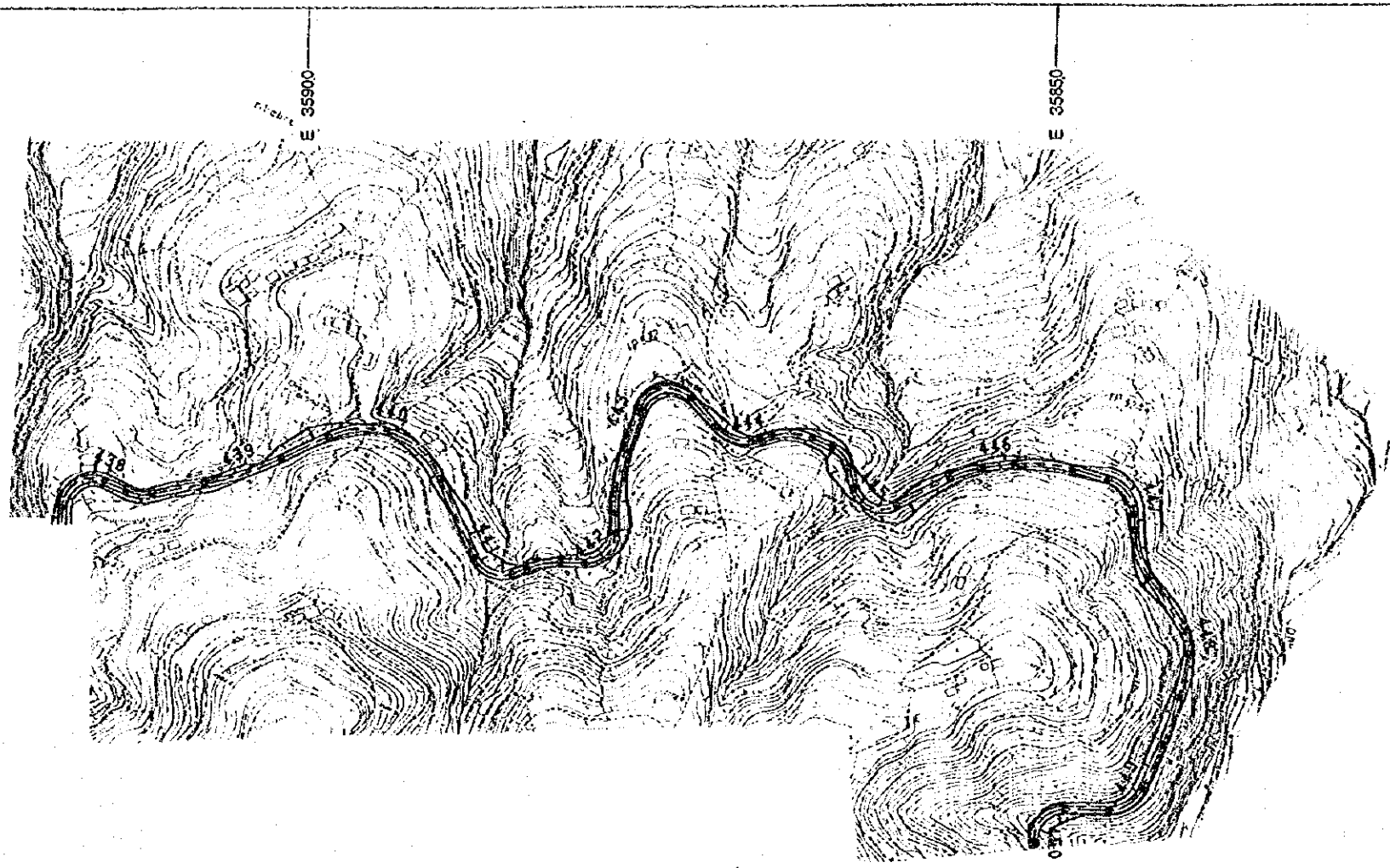
E 35950

E 35900



GRADE	+0.25% R=200'		+3.71% 170'		+4.57% 75'		-1.50% 200'		+0.04% 250'		+2.00% 75'		+0.55% 125'		-3.50% 50'		+4.25% 225'							
PROPOSED HEIGHT	1513.10	1513.06	1513.13	1513.19	1513.25	1513.31	1513.36	1513.42	1513.48	1513.54	1513.60	1513.66	1513.72	1513.78	1513.84	1513.90	1513.96	1514.02						
GROUND HEIGHT	1513.00	1513.00	1513.30	1513.50	1513.50	1513.80	1514.00	1514.20	1514.40	1514.60	1514.80	1515.00	1515.20	1515.40	1515.60	1515.80	1516.00	1516.20						
STATION	425	425+25	425+50	425+75	426	426+25	426+50	426+75	427	427+25	427+50	427+75	428	428+25	428+50	428+75	429	429+25						
CURVE ELEMENT	R=20.00		L=40.63	R=50.00		L=57.15	R=40.00		R=45.00		L=54.58	R=40.00		L=81.03	R=30.00		R=35.00		R=150.00		L=40.97	R=20.00	R=20.00	R=20.00

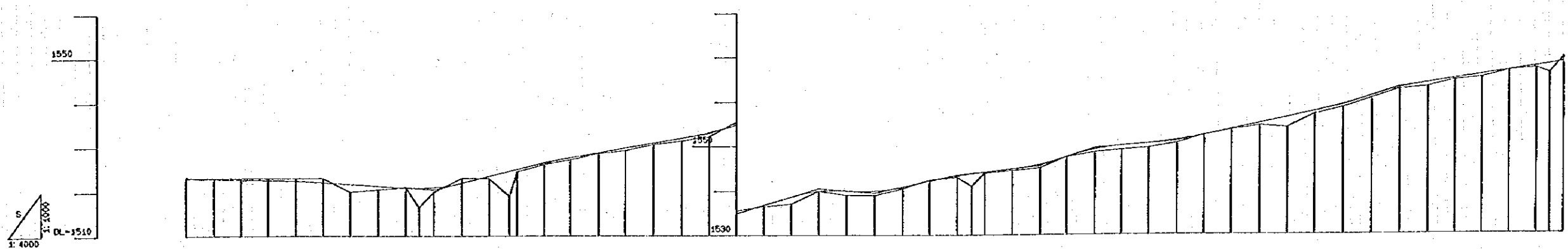
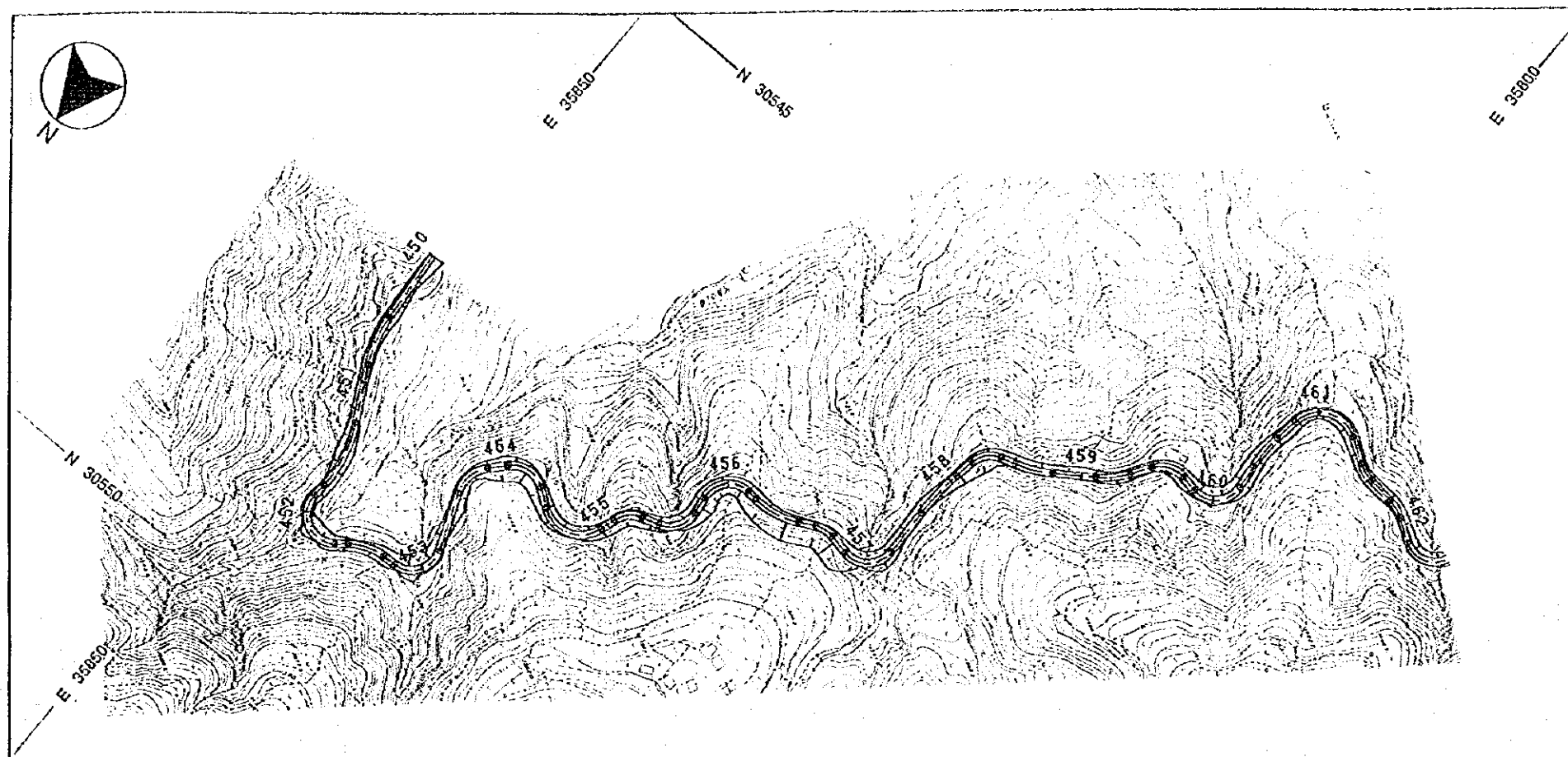
A-1-36: Plan and Profile
 STA.437+50~STA.450+00



GRADE	PROPOSED HEIGHT	GROUND HEIGHT	STATION	CURVE ELEMENT
14.26% 275.8	1523.90	1523.90	437+50	R=20.00
	1527.00	1527.00	437+75	L=35.48 R=30.00
	1527.00	1527.38	438	F=200.00
	1528.45	1528.50	438+25	
	1529.51	1529.51	438+50	
	1530.57	1530.00	438+75	
	1531.64	1530.50	439	
	1532.70	1532.00	439+25	
-1.20% 100.0	1532.70	1532.00	439+50	
	1532.40	1532.10	439+75	
	1532.10	1532.10	440	
	1531.80	1531.00	440+25	R=55.00
	1531.30	1531.30	440+50	
	1530.75	1530.75	440+75	L=57.21 R=20.00
	1530.30	1530.30	441	
	1530.87	1530.00	441+25	
	1531.13	1531.13	441+50	R=50.00
	1531.33	1531.33	441+75	
	1531.80	1531.80	442	R=120.00
	1532.00	1532.00	442+25	
	1532.26	1532.26	442+50	R=20.00
	1532.13	1532.13	442+75	
	1532.25	1532.25	443	R=40.00
	1532.36	1532.36	443+25	R=20.00
	1532.34	1532.34	443+50	
	1532.00	1532.00	443+75	
	1528.56	1528.56	444	R=60.00
	1528.38	1528.38	444+25	R=100.00
	1528.17	1528.17	444+50	
	1527.79	1527.79	444+75	R=25.00
	1528.00	1528.00	445	
	1528.50	1528.50	445+25	
	1528.00	1527.00	445+50	
	1527.00	1527.00	445+75	
	1528.87	1528.87	446	R=50.00
	1529.50	1529.50	446+25	
	1529.00	1529.00	446+50	R=25.00
	1529.28	1529.28	446+75	
	1529.13	1529.13	447	R=40.00
	1529.75	1529.75	447+25	
	1529.36	1529.36	447+50	
	1529.87	1529.87	447+75	
	1529.50	1529.50	448	R=20.00
	1528.50	1528.00	448+25	
	1527.50	1527.50	448+50	R=150.00
	1527.00	1527.00	448+75	
	1528.00	1528.00	449	R=25.00
	1528.50	1528.50	449+25	
	1528.00	1528.00	449+50	
	1528.50	1528.50	449+75	
	1528.00	1528.00	450	
	1528.87	1528.87	450+25	
	1529.00	1529.00	450+50	
	1529.57	1529.57	450+75	
	1529.22	1529.22	450	



A-1-37: Plan and Profile
 STA.475+00~STA.462+50



GRADE	PROPOSED HEIGHT	GROUND HEIGHT	STATION	CURVE ELEMENT
1523.00	1523.22	1523.00	475+00	L=77.13
1523.00	1522.98	1523.00	475+25	R=30.00
1523.00	1522.75	1523.00	475+50	L=40.68
1523.00	1522.63	1523.00	475+75	R=20.00
1523.00	1522.45	1523.00	476+00	R=20.00
1523.00	1522.10	1523.00	476+25	R=40.00
1523.00	1521.70	1523.00	476+50	R=20.00
1523.00	1521.30	1523.00	476+75	R=20.00
1521.00	1520.90	1521.00	477+00	L=42.23
1519.00	1520.82	1519.00	477+25	R=26.00
1520.00	1520.96	1520.00	477+50	R=20.00
1523.00	1522.00	1523.00	478+00	R=20.00
1523.00	1523.50	1523.00	478+25	R=20.00
1519.00	1524.56	1519.00	478+50	R=20.00
1524.00	1525.00	1524.00	479+00	R=20.00
1528.10	1526.40	1528.10	479+25	R=20.00
1527.20	1527.98	1527.20	479+50	R=20.00
1528.80	1529.87	1528.80	480+00	R=20.00
1529.20	1530.75	1529.20	480+25	R=20.00
1530.90	1530.05	1530.90	480+50	R=20.00
1531.30	1531.92	1531.30	480+75	R=20.00
1532.20	1533.20	1532.20	481+00	R=20.00
1533.50	1534.86	1533.50	481+25	R=20.00
1536.50	1536.75	1536.50	481+50	R=20.00
1537.00	1538.65	1537.00	482+00	R=20.00
1540.00	1539.61	1540.00	482+25	R=20.00
1540.00	1540.00	1540.00	482+50	R=20.00
1539.00	1540.00	1539.00	483+00	R=20.00
1530.00	1539.00	1530.00	483+25	R=20.00
1540.50	1540.83	1540.50	483+50	R=20.00
1542.50	1542.17	1542.50	484+00	R=20.00
1543.00	1543.37	1543.00	484+25	R=20.00
1541.00	1543.81	1541.00	484+50	R=20.00
1544.00	1544.17	1544.00	485+00	R=20.00
1544.50	1544.83	1544.50	485+25	R=20.00
1545.00	1545.83	1545.00	485+50	R=20.00
1547.50	1547.50	1547.50	486+00	R=20.00
1548.50	1549.12	1548.50	486+25	R=20.00
1549.00	1550.00	1549.00	486+50	R=20.00
1549.50	1550.50	1549.50	487+00	R=20.00
1550.50	1551.21	1550.50	487+25	R=20.00
1552.50	1552.33	1552.50	487+50	R=20.00
1553.50	1553.87	1553.50	488+00	R=20.00
1554.50	1555.00	1554.50	488+25	R=20.00
1554.00	1556.33	1554.00	488+50	R=20.00
1557.00	1557.67	1557.00	489+00	R=20.00
1558.50	1559.17	1558.50	489+25	R=20.00
1560.50	1561.00	1560.50	489+50	R=20.00
1562.50	1562.72	1562.50	490+00	R=20.00
1563.00	1563.00	1563.00	490+25	R=20.00
1564.50	1564.80	1564.50	490+50	R=20.00
1565.50	1566.80	1565.50	491+00	R=20.00
1567.00	1567.51	1567.00	491+25	R=20.00
1568.00	1567.96	1568.00	491+50	R=20.00
1569.50	1569.45	1569.50	492+00	R=20.00



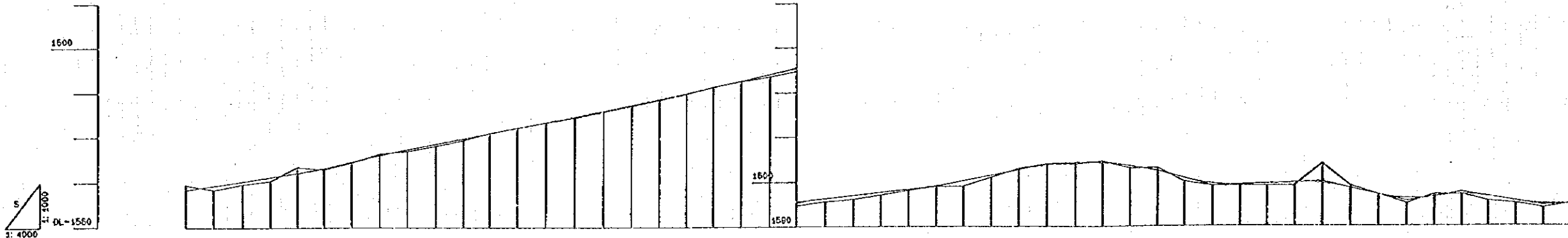
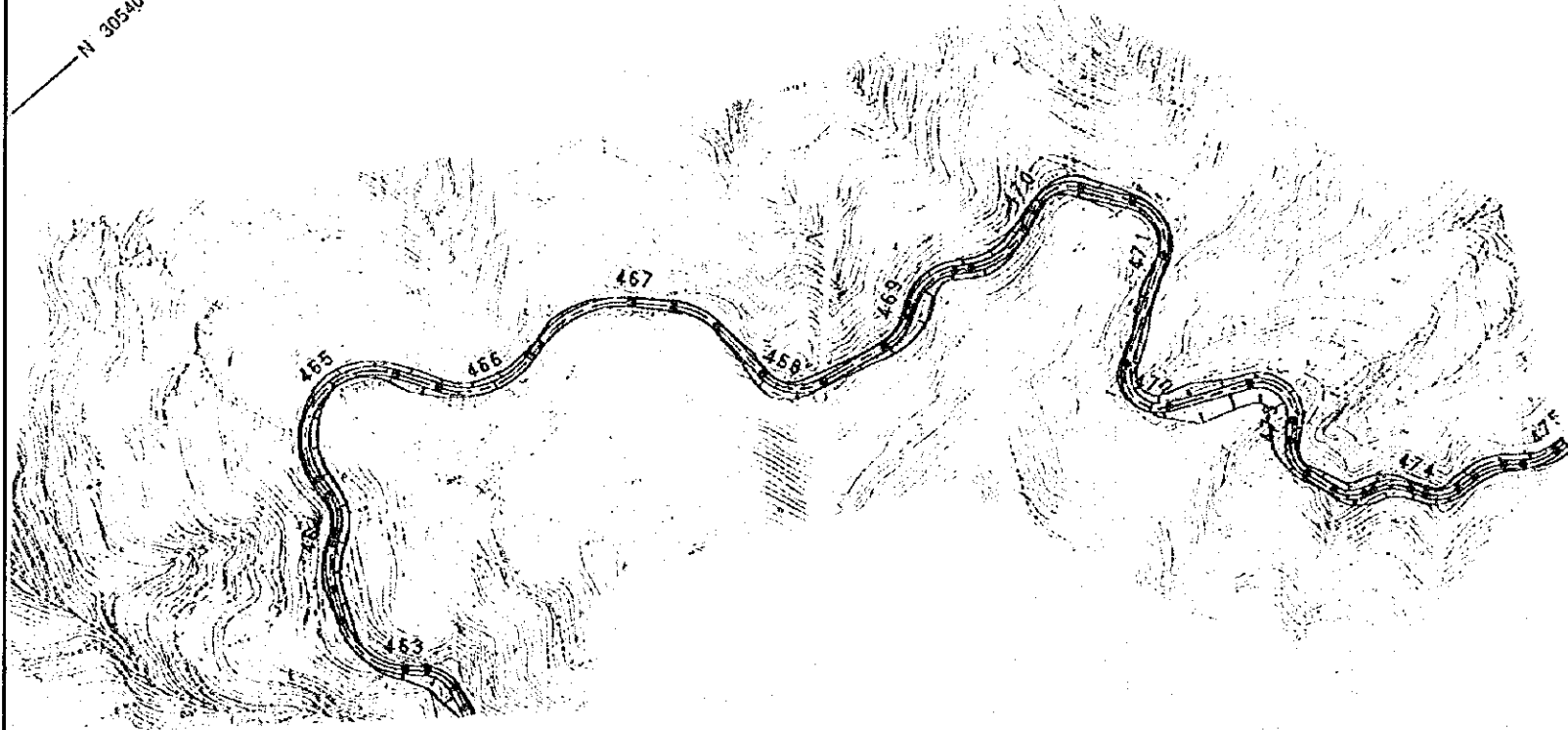
N 30540

E 35750

E 35700
N 30545

A-1-38: Plan and Profile
STA.462+50~STA.475+00

N 30550



GRADE																																																																																																																																																																																																
PROPOSED HEIGHT	1568.45	1568.40	1570.35	1571.30	1572.25	1573.20	1574.15	1575.10	1576.05	1577.00	1577.95	1578.90	1579.85	1580.80	1581.75	1582.70	1583.65	1584.60	1585.55	1586.50																																																																																																																																																																												
GROUND HEIGHT	1569.50	1569.50	1570.35	1571.30	1572.25	1573.20	1574.15	1575.10	1576.05	1577.00	1577.95	1578.90	1579.85	1580.80	1581.75	1582.70	1583.65	1584.60	1585.55	1586.50																																																																																																																																																																												
STATION	462+50	462+75	463	463+25	463+50	463+75	464	464+25	464+50	464+75	465	465+25	465+50	465+75	466	466+25	466+50	466+75	467	467+25																																																																																																																																																																												
CURVE ELEMENT	R=20.00	R=20.00	R=20.00	R=40.00	R=50.00	R=26.00	R=40.00	R=40.00	R=50.00	R=40.00	L=30.14	R=30.00	L=40.88	R=30.00	R=40.00	R=30.00	R=25.00	R=25.00	L=55.69	L=48.86	R=20.00	R=20.00	R=20.00	R=20.00	R=30.00	R=30.00																																																																																																																																																																						
	1569.50	1568.45	1569.40	1570.35	1571.30	1572.25	1573.20	1574.15	1575.10	1576.05	1577.00	1577.95	1578.90	1579.85	1580.80	1581.75	1582.70	1583.65	1584.60	1585.55	1586.50	1587.45	1588.40	1589.35	1590.30	1591.25	1592.20	1593.15	1594.10	1595.05	1596.00	1596.95	1597.90	1598.85	1599.80	1600.75	1601.70	1602.65	1603.60	1604.55	1605.50	1606.45	1607.40	1608.35	1609.30	1610.25	1611.20	1612.15	1613.10	1614.05	1615.00	1615.95	1616.90	1617.85	1618.80	1619.75	1620.70	1621.65	1622.60	1623.55	1624.50	1625.45	1626.40	1627.35	1628.30	1629.25	1630.20	1631.15	1632.10	1633.05	1634.00	1634.95	1635.90	1636.85	1637.80	1638.75	1639.70	1640.65	1641.60	1642.55	1643.50	1644.45	1645.40	1646.35	1647.30	1648.25	1649.20	1650.15	1651.10	1652.05	1653.00	1653.95	1654.90	1655.85	1656.80	1657.75	1658.70	1659.65	1660.60	1661.55	1662.50	1663.45	1664.40	1665.35	1666.30	1667.25	1668.20	1669.15	1670.10	1671.05	1672.00	1672.95	1673.90	1674.85	1675.80	1676.75	1677.70	1678.65	1679.60	1680.55	1681.50	1682.45	1683.40	1684.35	1685.30	1686.25	1687.20	1688.15	1689.10	1690.05	1691.00	1691.95	1692.90	1693.85	1694.80	1695.75	1696.70	1697.65	1698.60	1699.55	1700.50	1701.45	1702.40	1703.35	1704.30	1705.25	1706.20	1707.15	1708.10	1709.05	1710.00	1710.95	1711.90	1712.85	1713.80	1714.75	1715.70	1716.65	1717.60	1718.55	1719.50	1720.45	1721.40	1722.35	1723.30	1724.25	1725.20	1726.15	1727.10	1728.05	1729.00	1730.00	1731.00	1732.00	1733.00	1734.00	1735.00	1736.00	1737.00	1738.00	1739.00	1740.00	1741.00	1742.00	1743.00	1744.00	1745.00	1746.00	1747.00	1748.00	1749.00	1750.00

A-1-39: Plan and Profile
 STA.475+00~STA.487+50



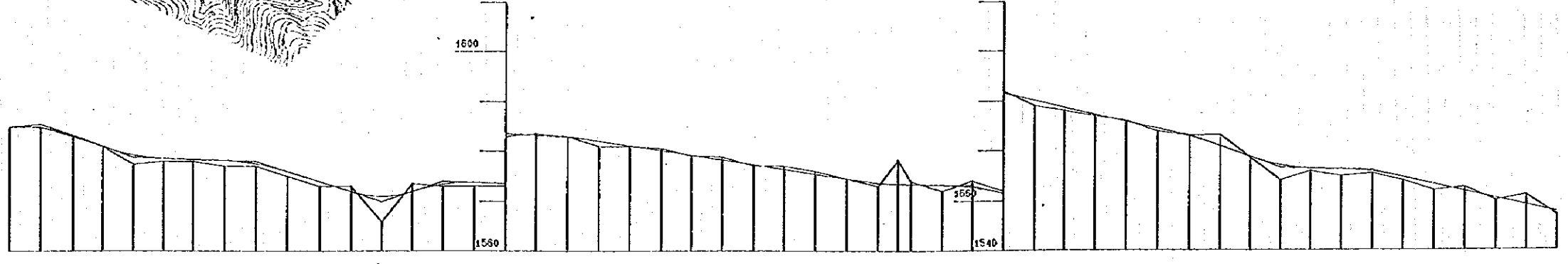
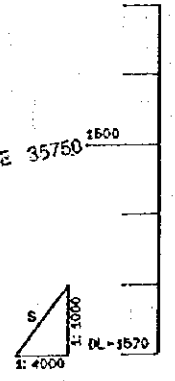
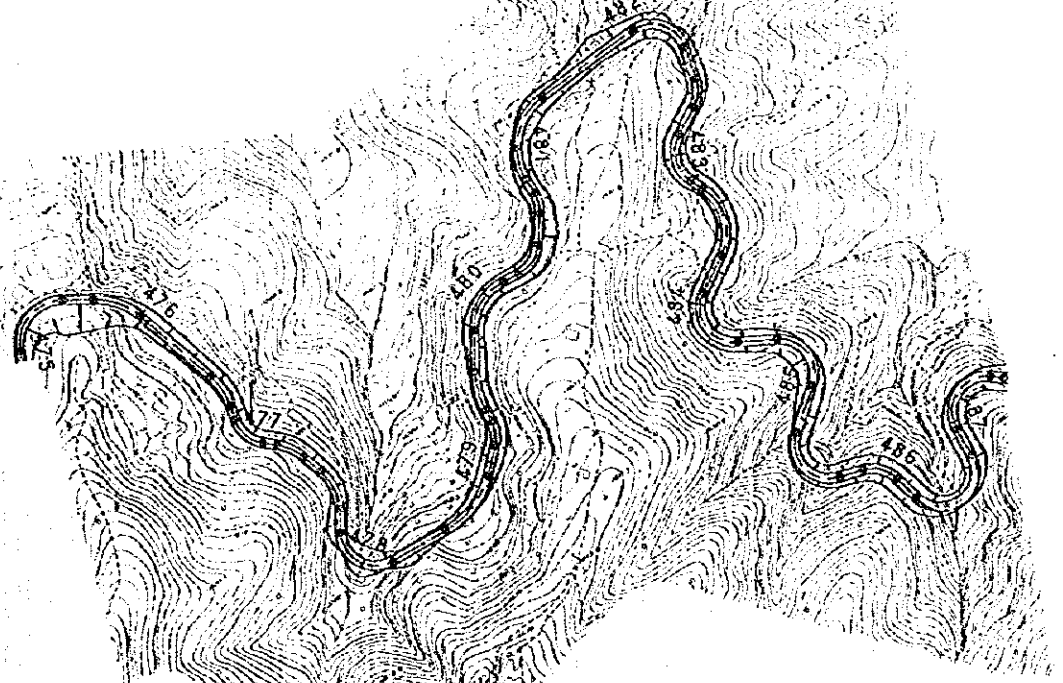
N 30550

N 30555

E 35700

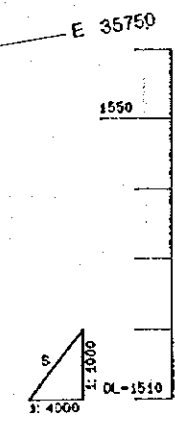
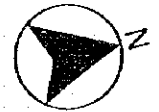
E 35700

E 35750



GRADE																				
PROPOSED HEIGHT	1595.00	1595.00	1594.82	1594.27	1594.03	1593.80	1593.25	1593.00	1592.55	1592.00	1591.50	1591.00	1590.50	1590.00	1589.50	1589.00	1588.50	1588.00	1587.50	1587.00
GROUND HEIGHT	1585.00	1585.00	1585.00	1585.00	1585.00	1585.00	1585.00	1585.00	1585.00	1585.00	1585.00	1585.00	1585.00	1585.00	1585.00	1585.00	1585.00	1585.00	1585.00	1585.00
STATION	475	475+25	475+50	475+75	476	476+25	476+50	476+75	477	477+25	477+50	477+75	478	478+25	478+50	478+75	479	479+25	479+50	479+75
CURVE ELEMENT																				

A-1-40: Plan and Profile
 STA.487+50~STA.500+00



GRADE	-5.60% 378'		1535.00	-4.65% 228'		1524.00	-7.20% 125'		1515.00	-1.37% 75'		1514.00	-8.67% 75'		1507.00	-5.60% 100'		1502.00	18.60% 250'		1523.50	13.11% 225'																																																
PROPOSED HEIGHT	1547.00	1547.00	1546.20	1546.00	1546.00	1545.90	1545.40	1545.00	1544.78	1544.00	1543.80	1543.00	1542.20	1541.50	1540.80	1539.20	1538.20	1537.80	1537.40	1536.00	1535.04	1533.78	1532.55	1531.25	1529.89	1528.67	1527.44	1525.22	1523.86	1522.20	1520.40	1518.80	1516.80	1515.37	1514.67	1514.33	1513.34	1511.63	1509.87	1508.44	1507.70	1506.13	1504.75	1503.30	1502.87	1502.86	1504.15	1505.30	1506.45	1507.05	1507.20	1507.35	1508.61	1509.39	1509.17	1508.17	1506.84													
GROUND HEIGHT	1547.00	1544.00	1544.00	1545.90	1542.00	1541.78	1542.00	1539.20	1538.00	1537.80	1538.40	1535.00	1535.04	1532.78	1529.20	1528.20	1527.80	1527.00	1526.44	1524.00	1523.86	1522.20	1518.50	1518.00	1516.80	1515.37	1514.28	1513.70	1514.33	1514.00	1513.34	1510.50	1511.63	1510.20	1509.87	1510.00	1509.44	1508.00	1507.70	1505.00	1506.13	1504.00	1504.15	1499.00	1499.00	1498.30	1503.00	1503.00	1508.45	1512.20	1510.80	1517.20	1512.75	1514.90	1522.50	1517.05	1523.50	1519.20	1521.00	1521.35	1523.00	1523.16	1524.26	1524.00	1525.05	1525.61	1526.00	1527.39	1528.17	1528.84
STATION	487+50	487+75	488	488+25	488+50	488+75	489	489+25	489+50	489+75	490	490+25	490+50	490+75	491	491+25	491+50	491+75	492	492+25	492+50	492+75	493	493+25	494	494+25	494+50	494+75	495	495+25	495+50	495+75	496	496+25	496+50	496+75	497	497+25	497+50	497+75	498	498+25	498+50	498+75	499	499+25	499+50	499+75	500																					
CURVE ELEMENT	R=20.00	R=20.00	R=15.00	L=42.43	R=26.00	R=20.00	R=20.00	R=40.00	L=35.60	R=25.00	R=30.00	R=160.00	L=39.66	R=100.00	R=100.00	R=100.00	R=45.00	L=55.78	R=100.00	R=26.00	R=30.00																																																	



N 30560

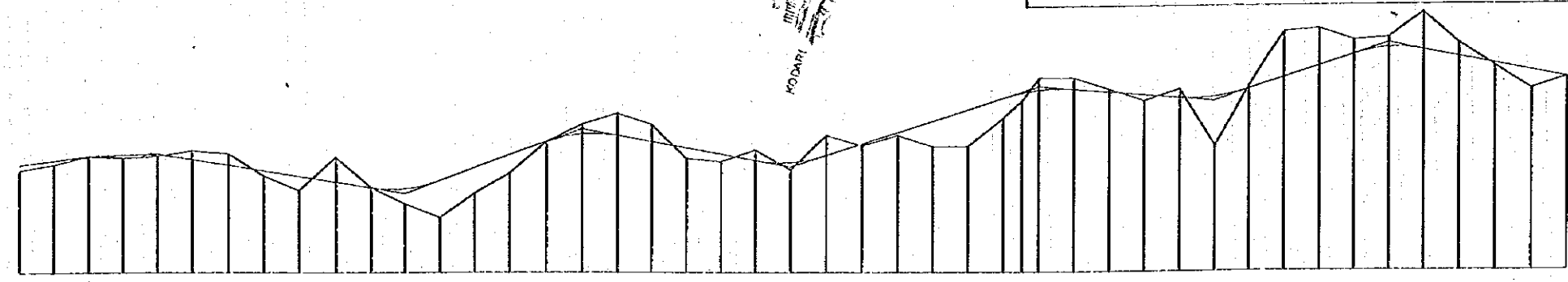
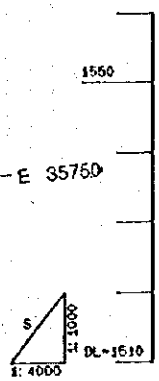
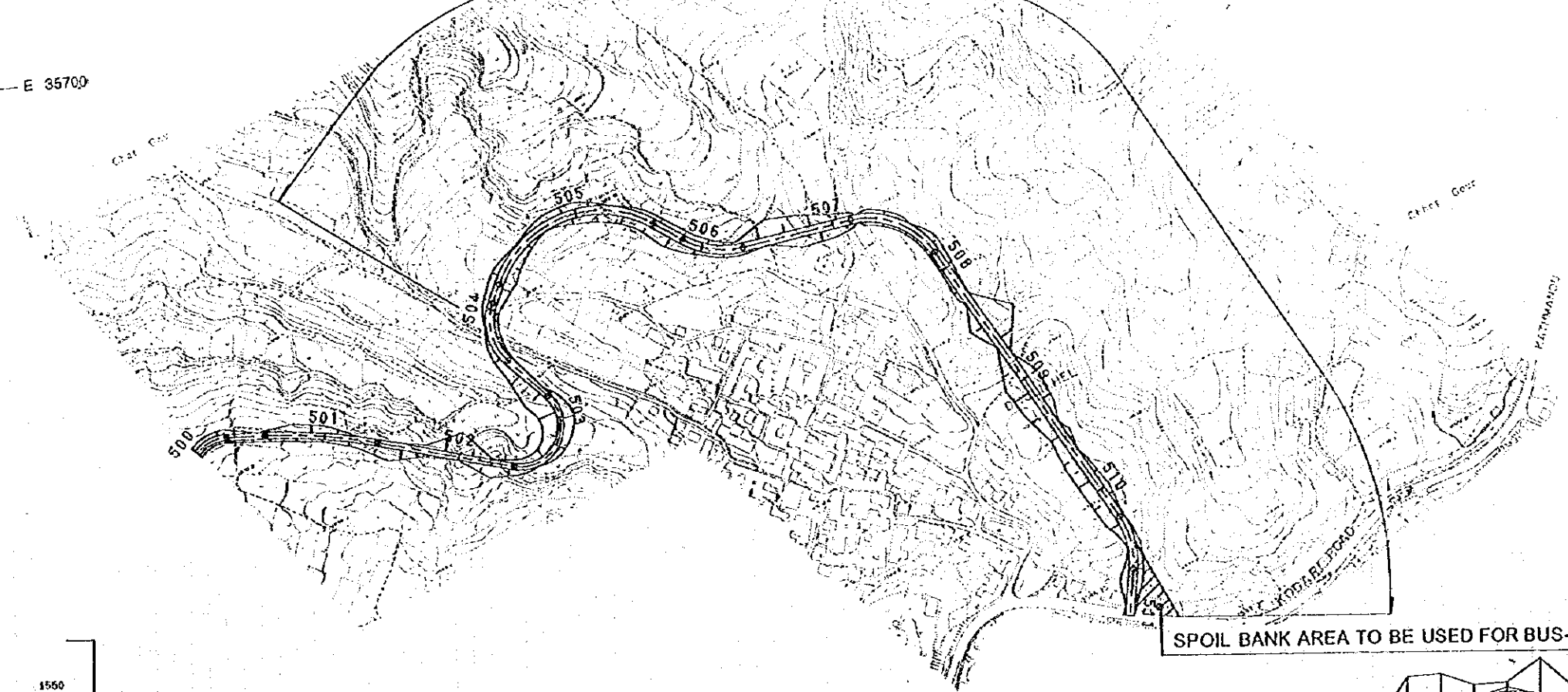
N 30560

E 35700

E 35750

THE SECTION TO BE CONSTRUCTED BY DOUBLE LANE

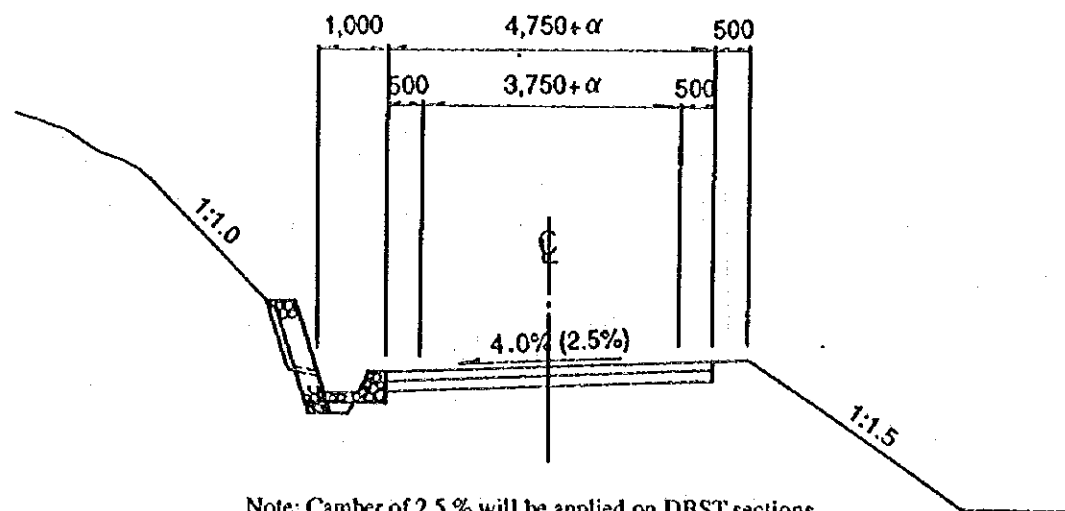
SPOIL BANK AREA TO BE USED FOR BUS-STOP IN FUTURE



GRADE																															
PROPOSED HEIGHT	1528.94	1529.72	1530.37	1530.75	1530.88	1531.00	1531.00	1531.00	1531.00	1531.00	1531.00	1531.00	1531.00	1531.00	1531.00	1531.00	1531.00	1531.00	1531.00	1531.00											
GROUND HEIGHT	1528.00	1528.00	1528.30	1528.20	1528.50	1528.50	1528.50	1528.50	1528.50	1528.50	1528.50	1528.50	1528.50	1528.50	1528.50	1528.50	1528.50	1528.50	1528.50	1528.50											
STATION	500	500+25	500+50	500+75	501	501+25	501+50	501+75	502	502+25	502+50	502+75	503	503+25	503+50	503+75	504	504+25	504+50	504+75											
CURVE ELEMENT	R=30.00		R=400.00			L=101.17				R=30.00		L=40.02		R=40.00			R=30.00			L=53.48		R=50.00			L=233.26			R=50.00		L=35.23	

STANDARD CROSS-SECTION (1/3) Scale: 1/100

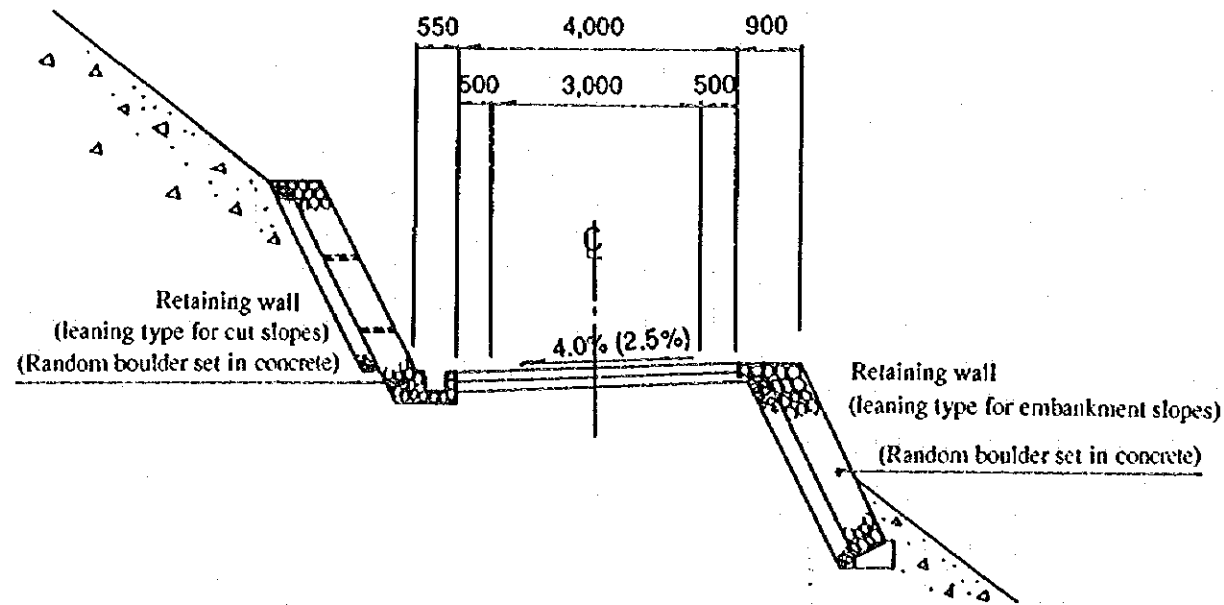
SINGLE LANE SECTION



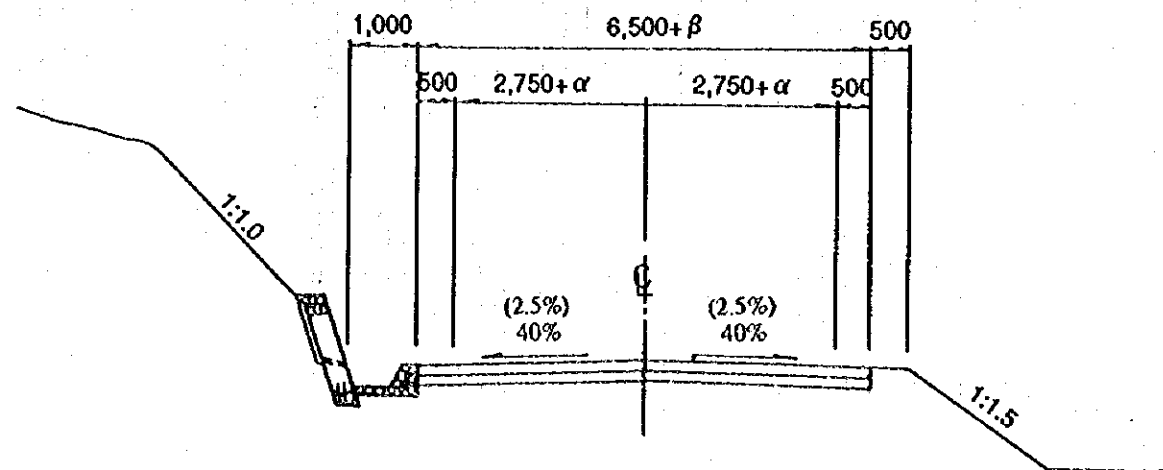
Note: Camber of 2.5 % will be applied on DBST sections.

EXCEPTIONAL CASE

Note: Standard Cross-Section for exceptional cases will be applied for the sections where topography is extremely steep and/or geology is very fragile.

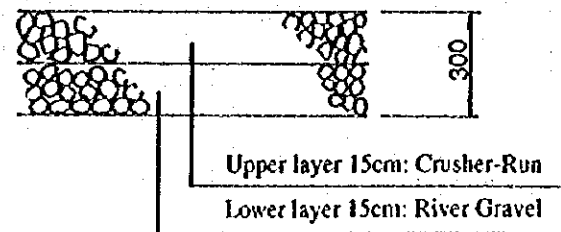


DUAL LANE SECTION



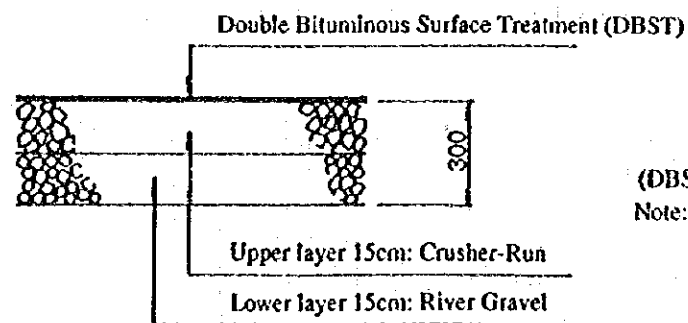
Note: The Standard Cross Section for dual lane section will be applied to the section from STA.504 to the junction with Kodari Road and Bus-stops.

PAVEMENT STRUCTURE



(Gravel Road Section)

Note: In the sections where subgrades are constructed by the river gravel, the lower layer will be canceled.

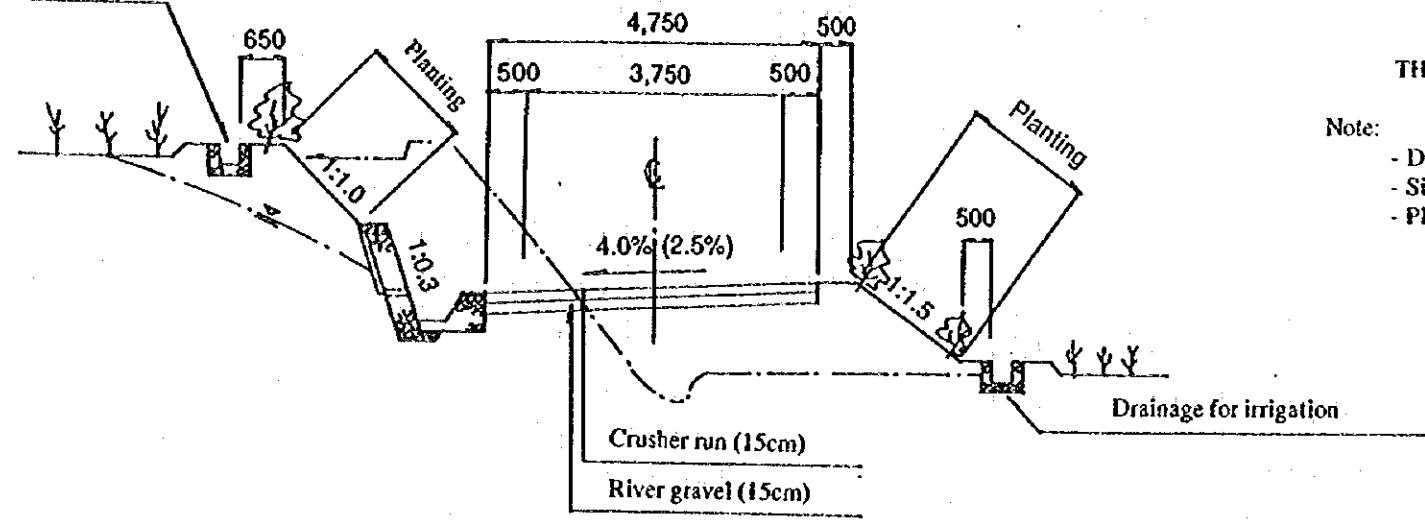


(DBST Section)

Note: DBST will be applied to the STA.280 - End Section and at steep gradient (>5%).

STANDARD CROSS-SECTION (2/3) Scale: 1/100

Drainage for Irrigation



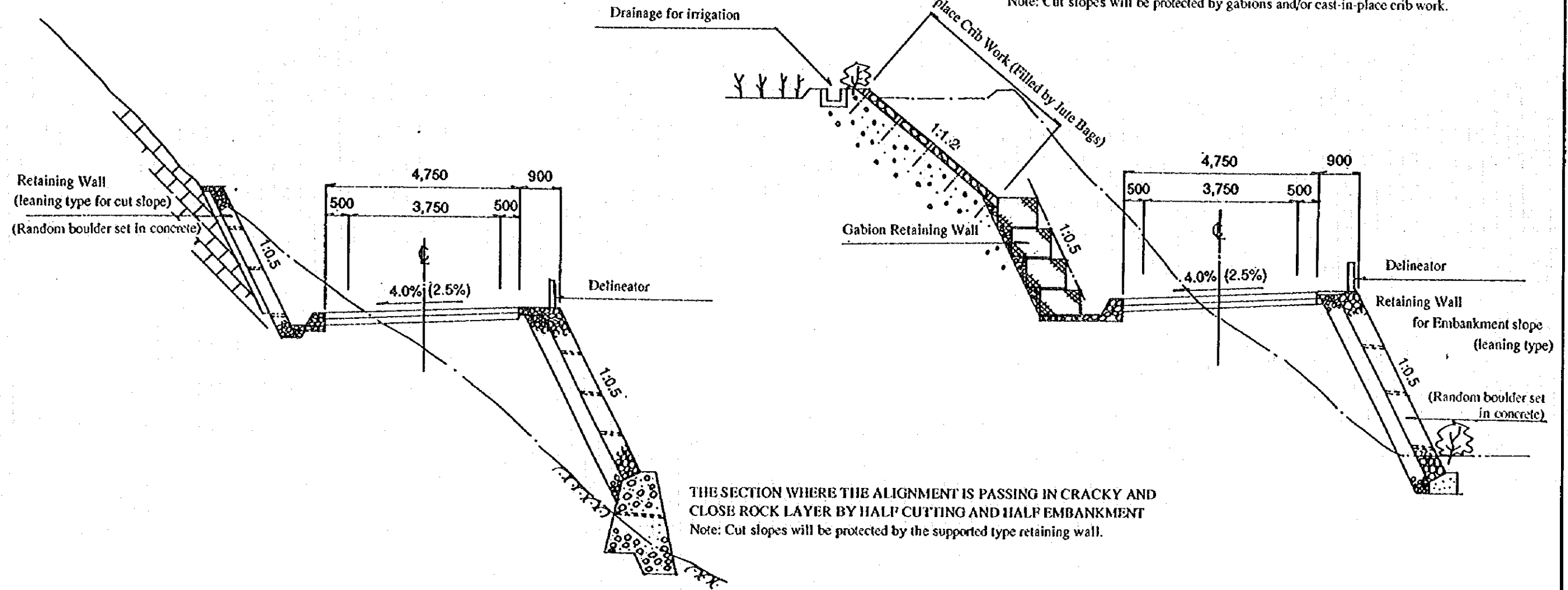
THE SECTIONS PASSING THROUGH THE PADDY FIELDS

Note:

- Drainage for irrigation will be set at the border with paddy fields.
- Side ditch with 1m height of retaining wall will be constructed basically to avoid the slope foot erosion.
- Planting will be carried out on slopes by combination of sodding, seeding and laying of live cuttings.

THE SECTION WHERE THE ALIGNMENT IS PASSING THROUGH RIVER TERRACE BY HALF CUTTING AND HALF EMBANKMENT

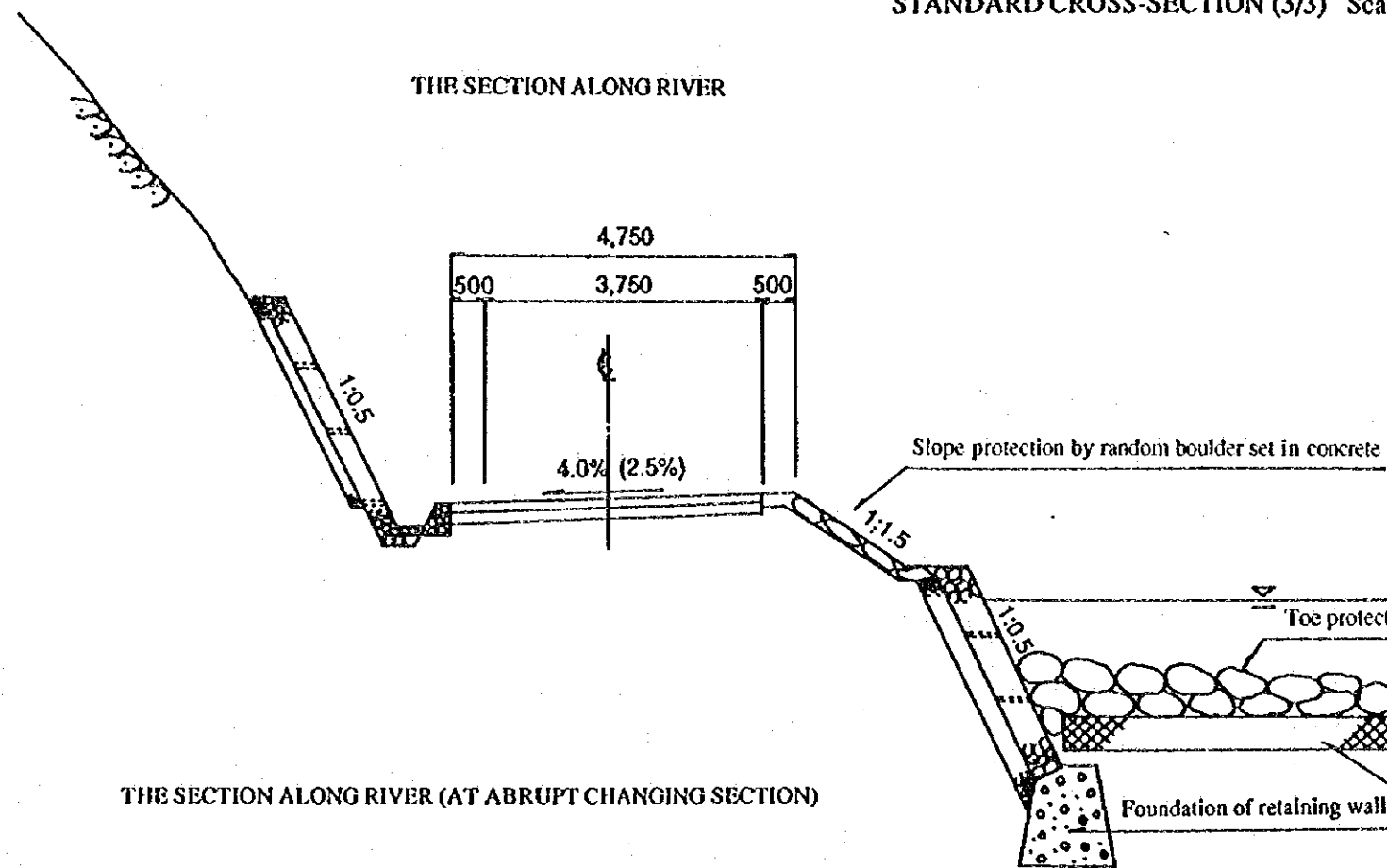
Note: Cut slopes will be protected by gabions and/or cast-in-place crib work.



THE SECTION WHERE THE ALIGNMENT IS PASSING IN CRACKY AND CLOSE ROCK LAYER BY HALF CUTTING AND HALF EMBANKMENT
Note: Cut slopes will be protected by the supported type retaining wall.

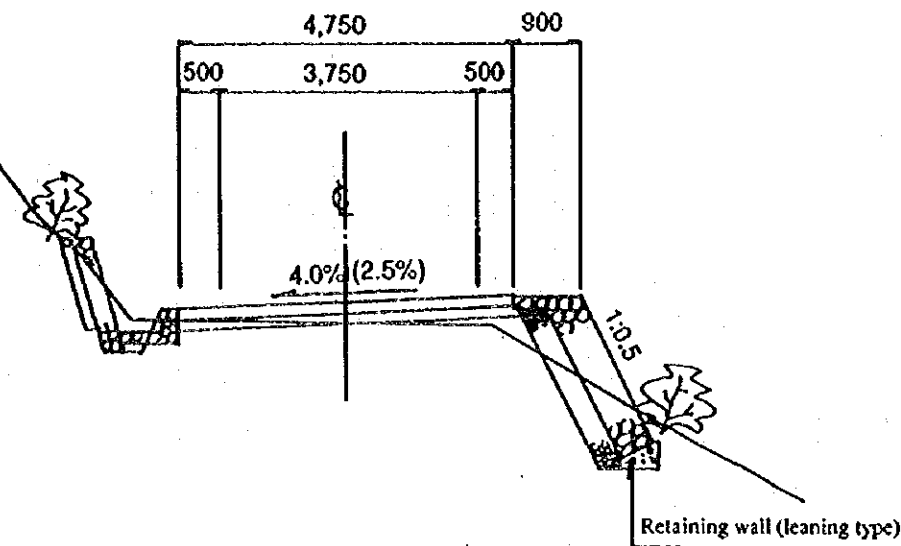
STANDARD CROSS-SECTION (3/3) Scale: 1/100

THE SECTION ALONG RIVER

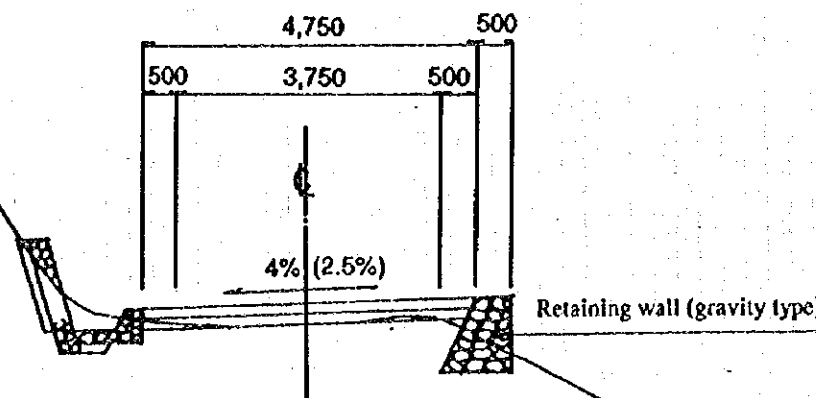
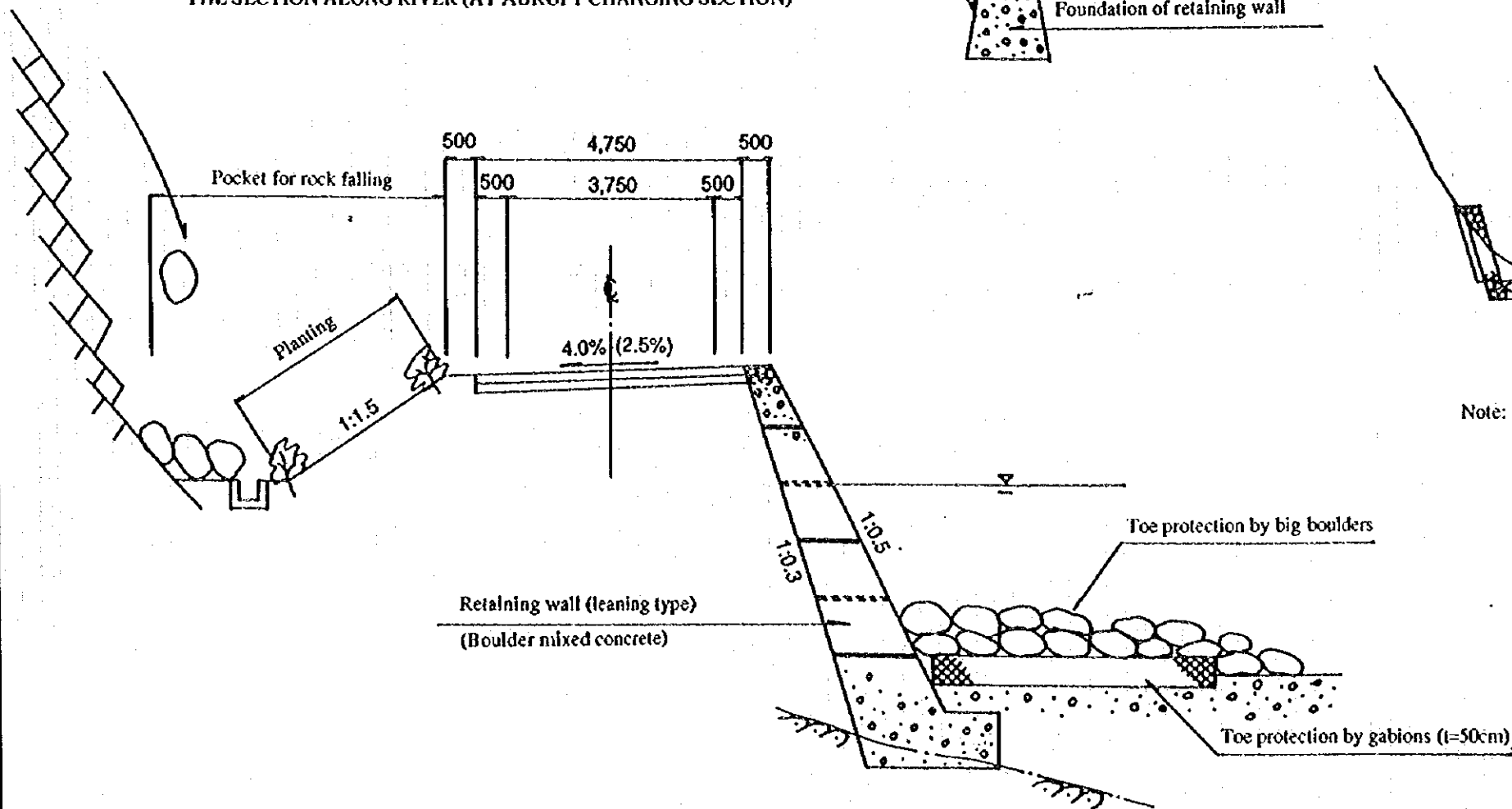


THE SECTION ALONG THE EXISTING FEEDER ROAD

Note: The center line will be planned on valley side to avoid cuttings.



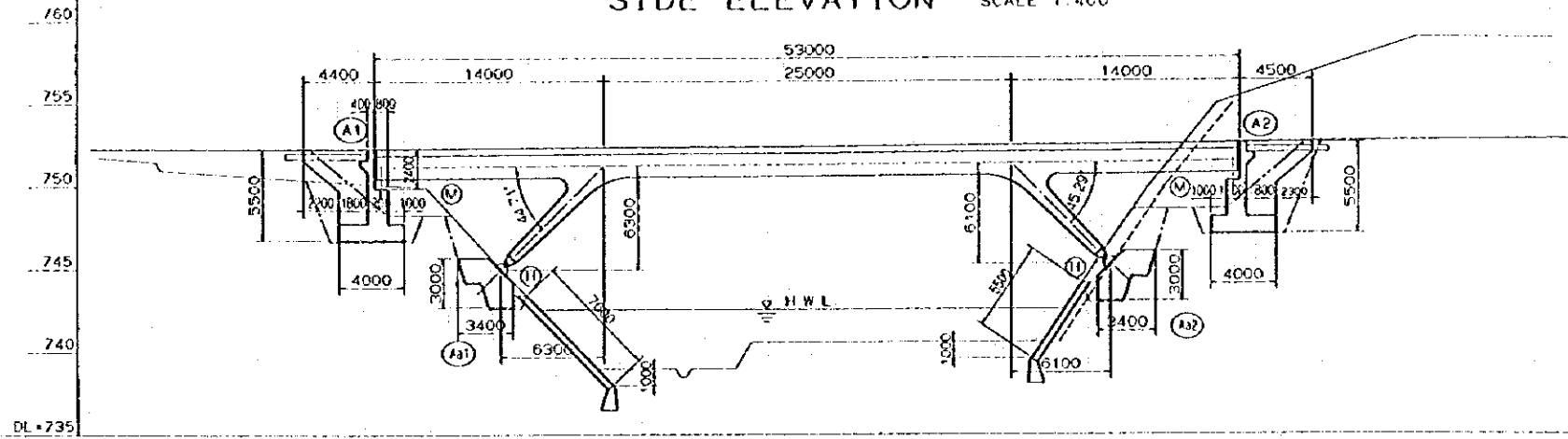
THE SECTION ALONG RIVER (AT ABRUPT CHANGING SECTION)



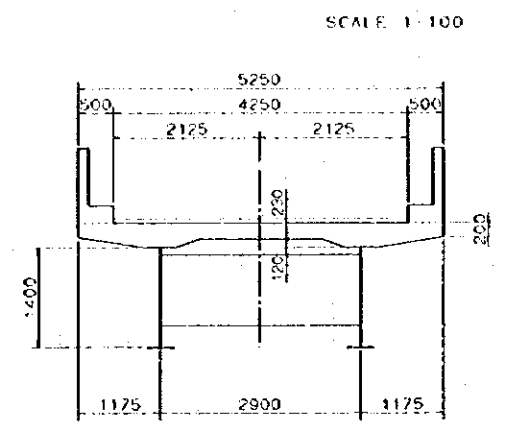
Note: The widening will be done adopting the small gravity type retaining wall.

GENERAL VIEW OF DAUNE BRIDGE

SIDE ELEVATION SCALE 1:400

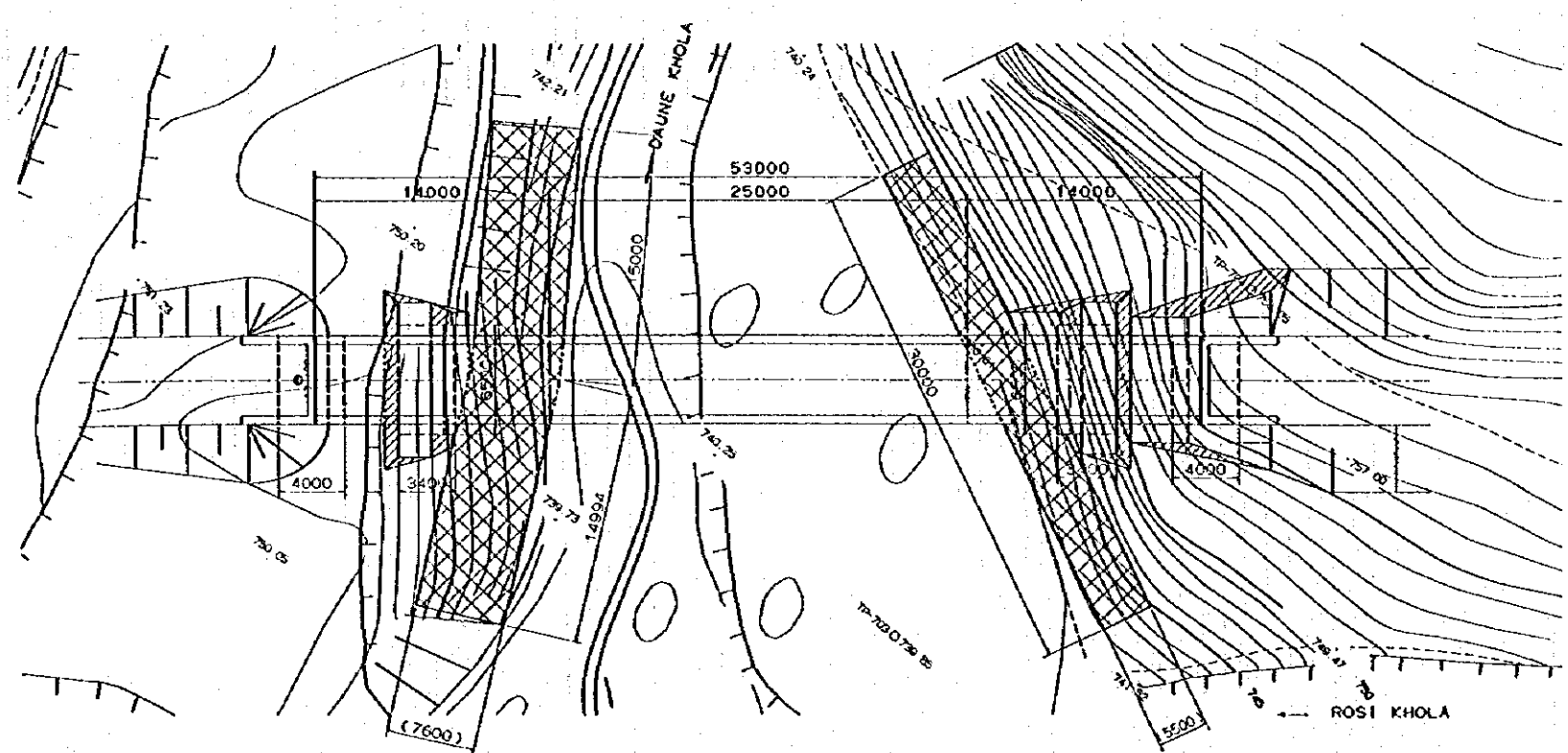


CROSS SECTION SCALE 1:100



GRADE	1+0.33% L=150m		752.50	1+1.60% L=125m	
PROPOSED HEIGHT	752.33	752.42	752.58	751.96	
GROUND HEIGHT	750.25	740.60	751.96	751.96	
DISTANCE	25.000	25.000	25.000	25.000	
STATION	133+00 133+11	133+36.7	133+61.7	133+86.7	133+54
CURVE ELEMENT	R=∞				

PLAN SCALE 1:400



SUPERSTRUCTURE

ITEM	CLASS	UNIT	QUANTITY	REMARKS
STEEL		LF	59672	
PAINTING		m ²	10648	
CONCRETE	ack-240x17/cu	m ³	1047	
FORM		m ²	5217	
REINFORCEMENT BAR		LF	23417	
ASPHALT PAVEMENT		m ²	2253	
BEARING		PLACE	8	
EXPANSION JOINT		PLACE	2	
DRAIN		PLACE	10	

SUBSTRUCTURE

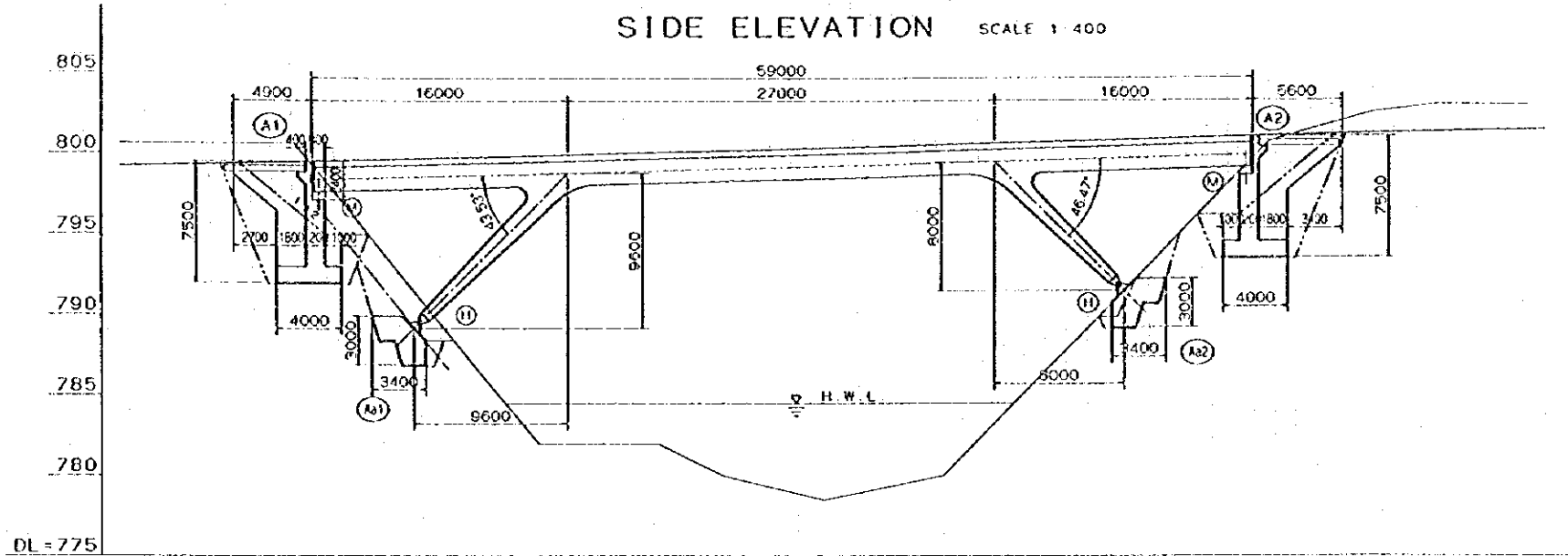
ITEM	CLASS	UNIT	QUANTITY	REMARKS
EXCAVATION		m ³	808	
BACKFILLING		m ³	165	
CONCRETE	ack-240x17/cu	m ³	1891	
FORM		m ²	3540	
REINFORCEMENT BAR		LF	12229	
APPROACH CUSHION	L=5m	PLACE	2	

ACCESSORY WORK

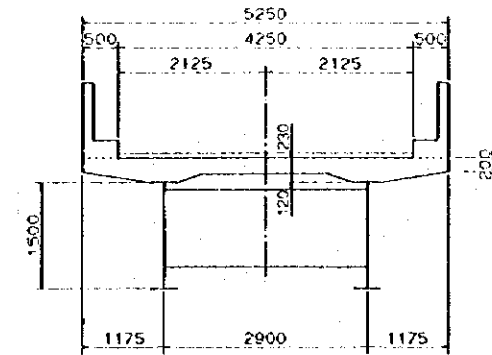
ITEM	CLASS	UNIT	QUANTITY	REMARKS
REPAIR WORKS		m ²	3930	
RIVER BED PROTECTION WORKS		m ²		
RETAINING WALL OF CONCRETE BLOCK		m ²	1193	

GENERAL VIEW OF NARKE BRIDGE

SIDE ELEVATION SCALE 1:400

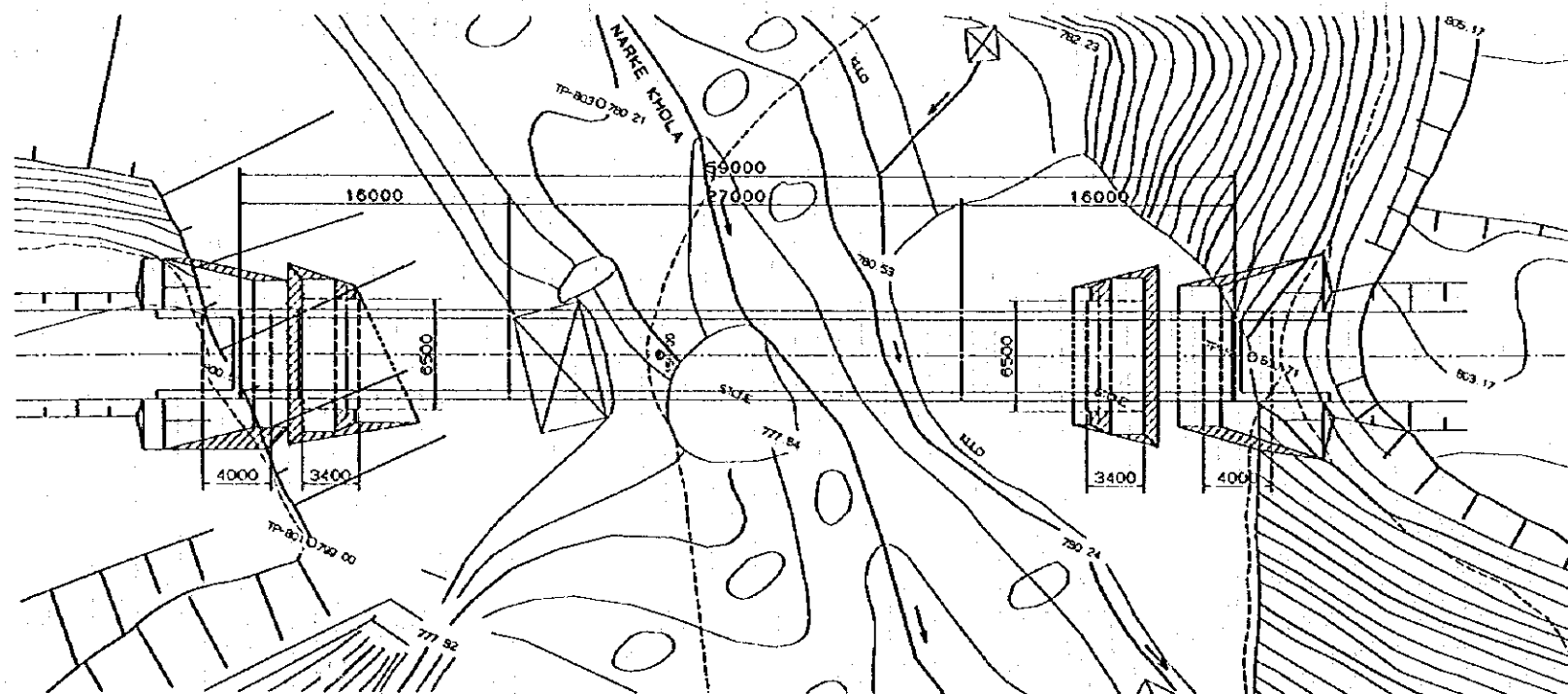


CROSS SECTION SCALE 1:100



GRADE	$1:2.57\%$ $L=350m$				
PROPOSED HEIGHT	799.50	800.14	800.79	801.43	
GROUND HEIGHT	799.25	798.42	798.41	803.00	
DISTANCE	25.000	25.000	25.000	25.000	
STATION	A1 157+75	A2 157+81.4	Aa1 158+25	Aa2 158+26	158+34
CURVE ELEMENT	$R = \infty$				

PLAN SCALE 1:400



SUPERSTRUCTURE

ITEM	CLASS	UNIT	QUANTITY	REMARKS
STEEL		tf	77.996	
PAINTING		m ²	1.400.9	
CONCRETE	sc1-240x41/cm ²	m ³	116.5	
FORM		m ²	580.3	
REINFORCEMENT BAR		tf	26.068	
ASPHALT PAVEMENT		m ²	250.8	
BEARING		PLACE	8	
EXPANSION JOINT		PLACE	2	
DRAIN		PLACE	12	

SUBSTRUCTURE

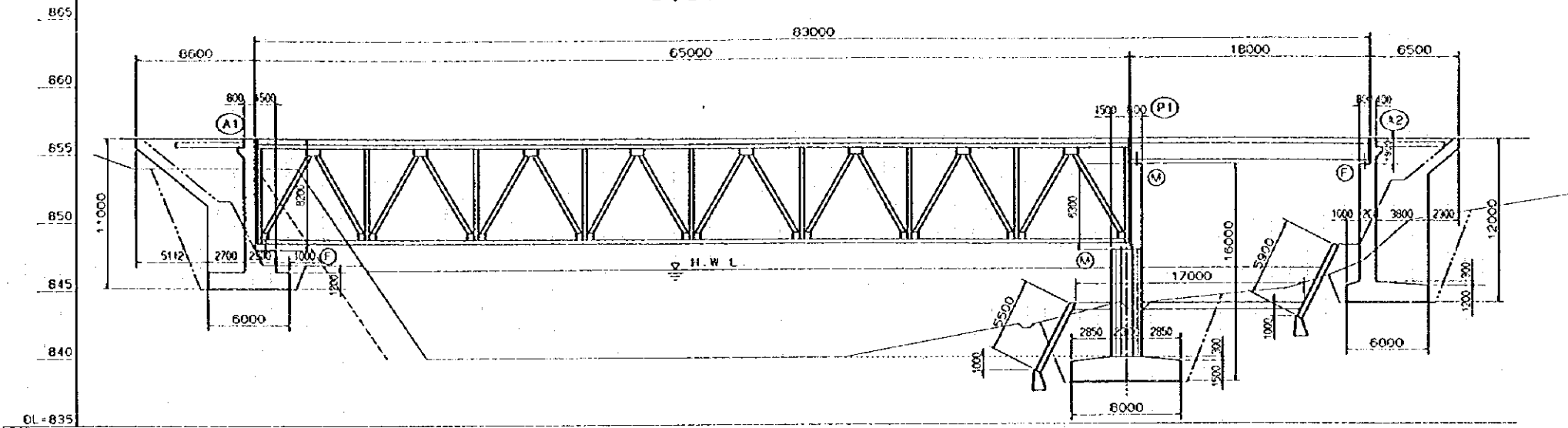
ITEM	CLASS	UNIT	QUANTITY	REMARKS
EXCAVATION		m ³	1.194	
BACKFILLING		m ³	250	
CONCRETE	sc1-240x41/cm ²	m ³	232.4	
FORM		m ²	465.0	
REINFORCEMENT BAR		tf	15.781	
APPROACH CUSHION	L=5m	PLACE	2	

ACCESSORY WORK

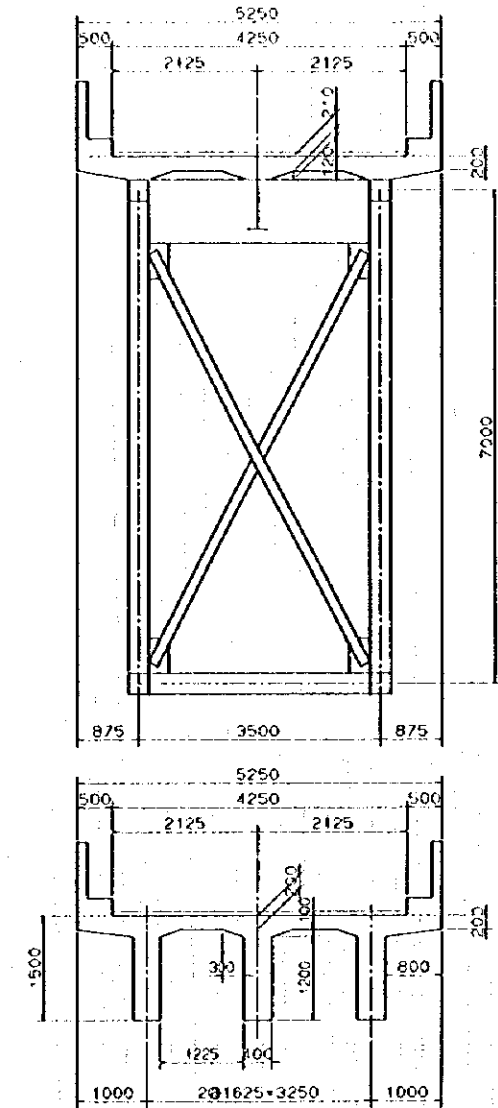
ITEM	CLASS	UNIT	QUANTITY	REMARKS
REPAIR WORKS		m ²	---	
RIVER BED PROTECTION WORKS		m ²	---	
RETAINING WALL OF CONCRETE BLOCK		m ²	131.3	

GENERAL VIEW OF ROSI BRIDGE

SIDE ELEVATION SCALE 1:400

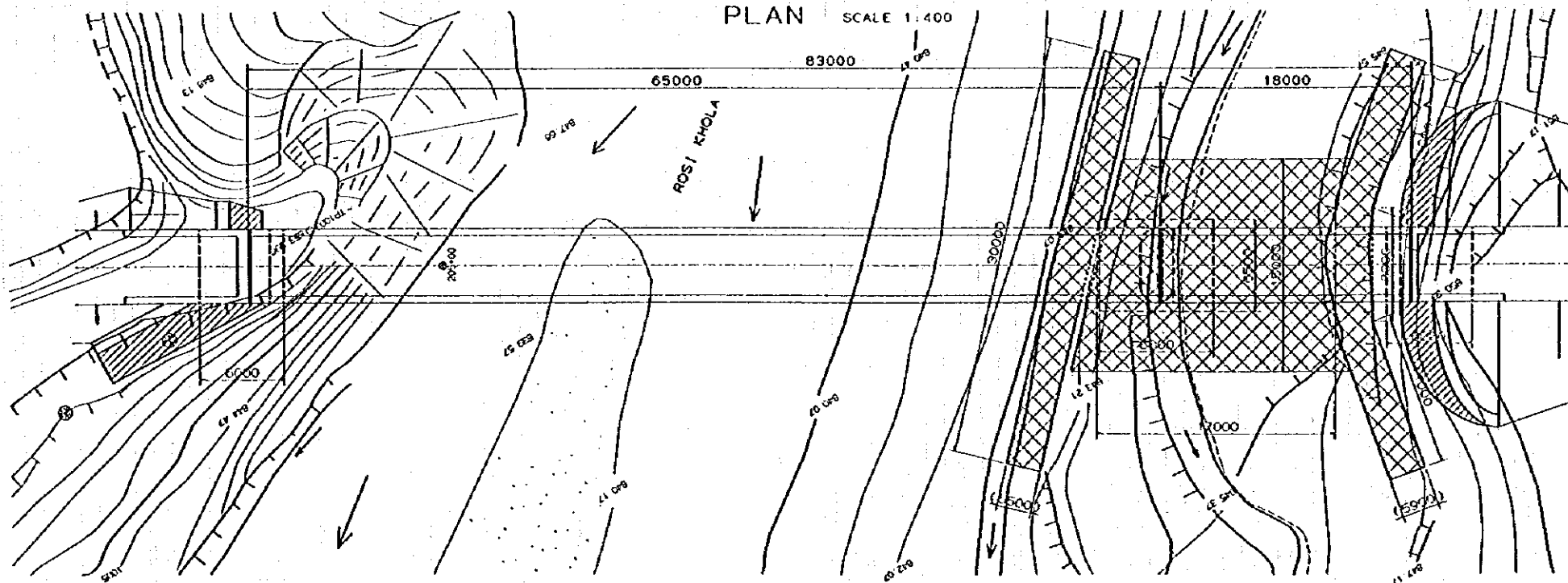


CROSS SECTION SCALE 1:100



GRADE	$i = 0.27\%$ $L = 375m$	
PROPOSED HEIGHT	856.17	856.10
GROUND HEIGHT	840.00	840.00
DISTANCE	25.000	25.000
STATION	204+86	205+50
CURVE ELEMENT	$R = 66$	

PLAN SCALE 1:400



SUPERSTRUCTURE

ITEM	CLASS	UNIT	QUANTITY	REMARKS
STEEL		tf	106.473	
PAINTING		m ²	1.858.2	
CONCRETE	ack=2400/1/0/0	m ³	185.0	
FORM		m ²	961.2	
REINFORCEMENT BAR		tf	41.744	
ASPHALT PAVEMENT		m ²	352.8	
BEARING		PLACE	10	
EXPANSION JOINT		PLACE	3	
DRAIN		PLACE	16	

SUBSTRUCTURE

ITEM	CLASS	UNIT	QUANTITY	REMARKS
EXCAVATION		m ³	1.900	
BACKFILLING		m ³	679	
CONCRETE	ack=2400/1/0/0	m ³	523.7	
FORM		m ²	978.5	
REINFORCEMENT BAR		tf	42.193	
APPROACH CUSHION	L=5m	PLACE	2	

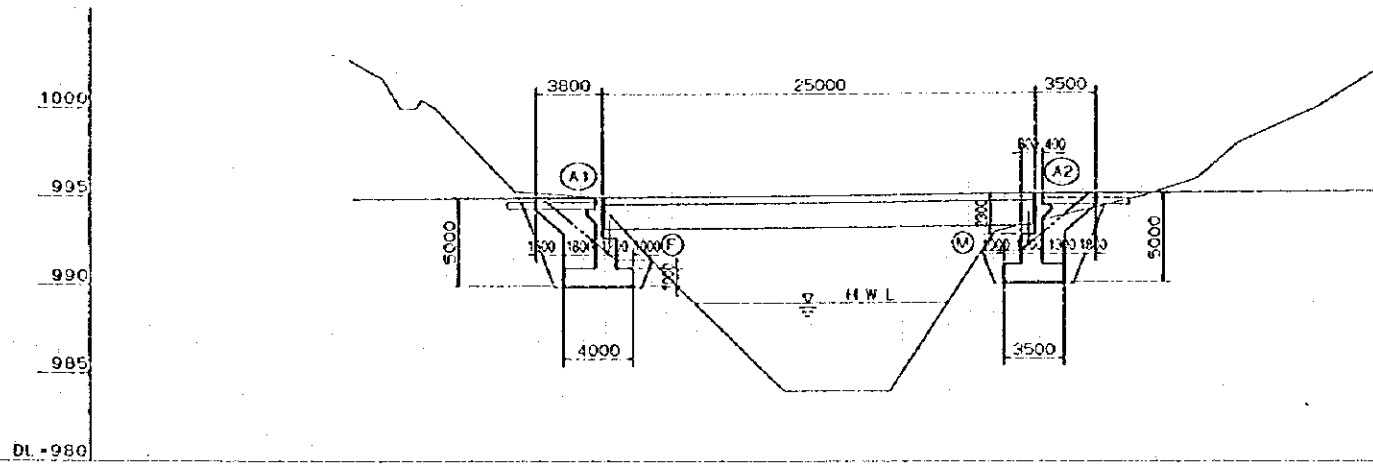
ACCESSORY WORK

ITEM	CLASS	UNIT	QUANTITY	REMARKS
REPAIR WORKS		m ²	177.0	
RIVER BED PROTECTION WORKS		m ²	243.9	
RETAINING WALL OF CONCRETE BLOCK		m ²	122.1	

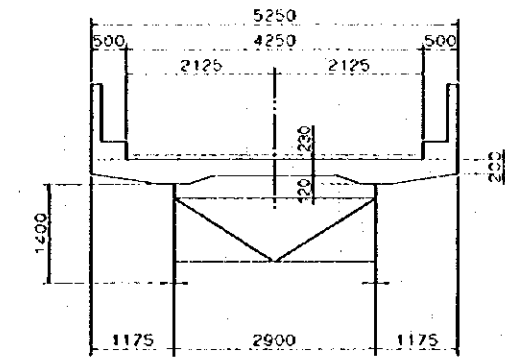
A-5 General Plan of Rosi Bridge

GENERAL VIEW OF DAPCHA-1 BRIDGE

SIDE ELEVATION SCALE 1:400

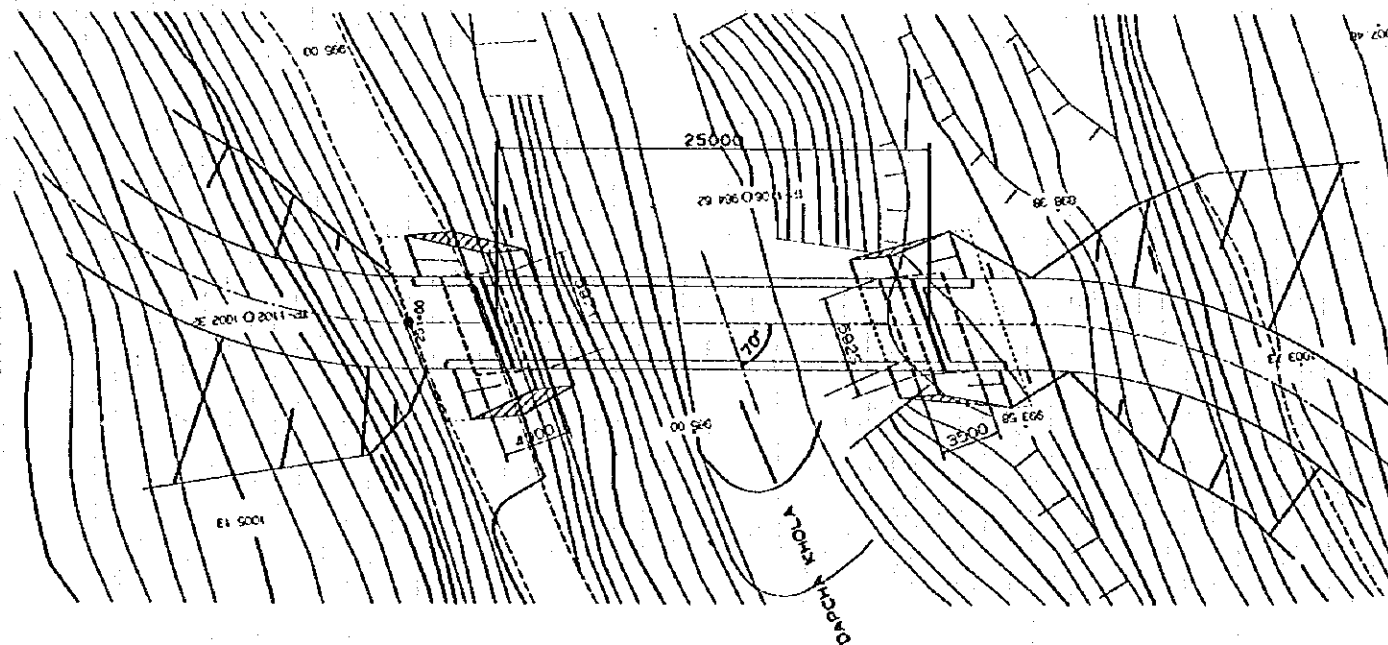


CROSS SECTION SCALE 1:100



GRADE	1:0.86% L=175m			
PROPOSED HEIGHT		984.93	985.14	985.36
GROUND HEIGHT		995.30	989.02	1002.45
DISTANCE		25.000	25.000	25.000
STATION		251+00 (A1)	251+25 (A2)	251+50
CURVE ELEMENT		R=30	R=∞	R=30

PLAN SCALE 1:400



SUPERSTRUCTURE

ITEM	CLASS	UNIT	QUANTITY	REMARKS
STEEL		LF	19 895	
PAINTING		m ²	357.3	
CONCRETE	ckc-240kf/cpc	m ³	49.4	
FORM		m ²	248.2	
REINFORCEMENT BAR		LF	11 046	
ASPHALT PAVEMENT		m ²	108.3	
BEARING		PLACE	4	
EXPANSION JOINT		PLACE	2	
DRAIN		PLACE	6	

SUBSTRUCTURE

ITEM	CLASS	UNIT	QUANTITY	REMARKS
EXCAVATION		m ³	376	
BACKFILLING		m ³	129	
CONCRETE	ckc-240kf/cpc	m ³	108.3	
FORM		m ²	245.3	
REINFORCEMENT BAR		LF	7 722	
APPROACH CUSHION	L=5m	PLACE	2	

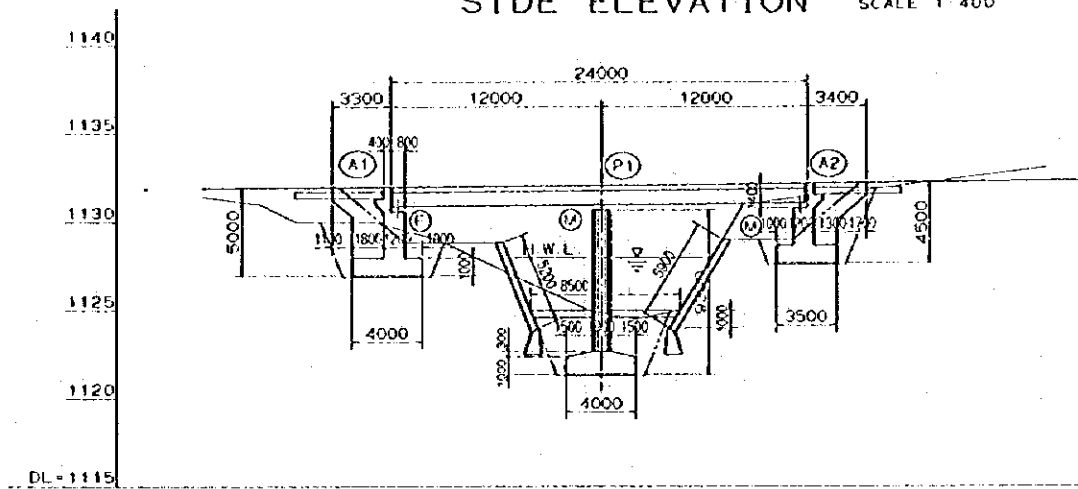
ACCESSORY WORK

ITEM	CLASS	UNIT	QUANTITY	REMARKS
REPAIR WORKS		m ²	---	
RIVER BED PROTECTION WORKS		m ²	---	
RETAINING WALL OF CONCRETE BLOCK		m ²	25.6	

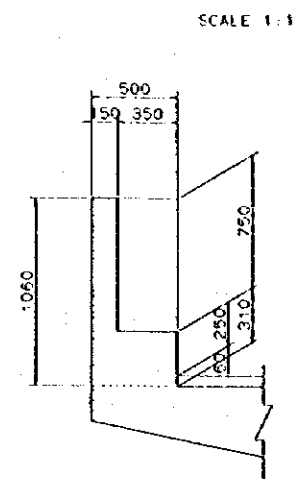
A-6 General Plan of No.1 Dapcha Bridge

GENERAL VIEW OF DAPCHA-2 BRIDGE

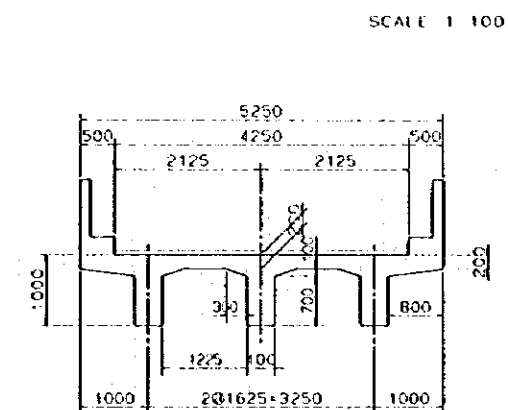
SIDE ELEVATION SCALE 1:400



DETAIL SCALE 1:10

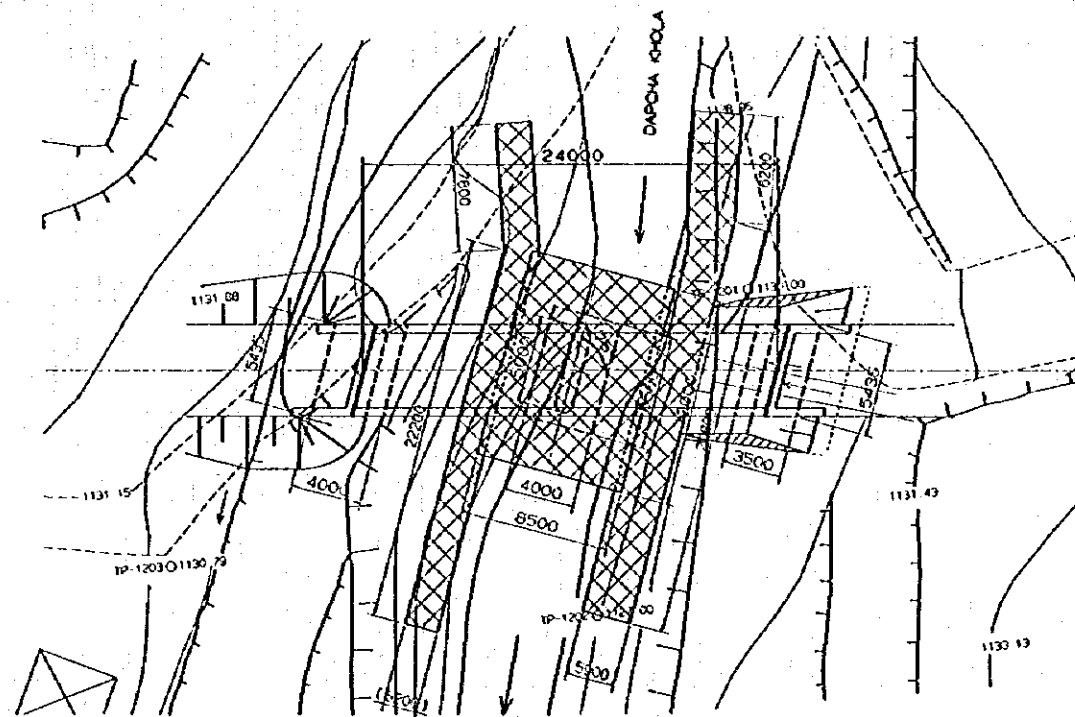


CROSS SECTION SCALE 1:100



GRADE	1:0.75% L=200m	
PROPOSED HEIGHT	1131.94	1132.13
GROUND HEIGHT	1130.81	1127.39
DISTANCE	25.000	25.000
STATION	287+25 (A1)	287+50 (A2)
CURVE ELEMENT	R=∞	

PLAN SCALE 1:400



SUPERSTRUCTURE

ITEM	CLASS	UNIT	QUANTITY	REMARKS
CONCRETE	ock-240k17/cap	m ³	64.5	
FORM		m ²	360.2	
REINFORCEMENT BAR		L.F.	14700	
ASPHALT PAVEMENT		m ²	102.0	
BEARING		PLACE	9	
EXPANSION JOINT		PLACE	2	
DRAIN		PLACE	4	

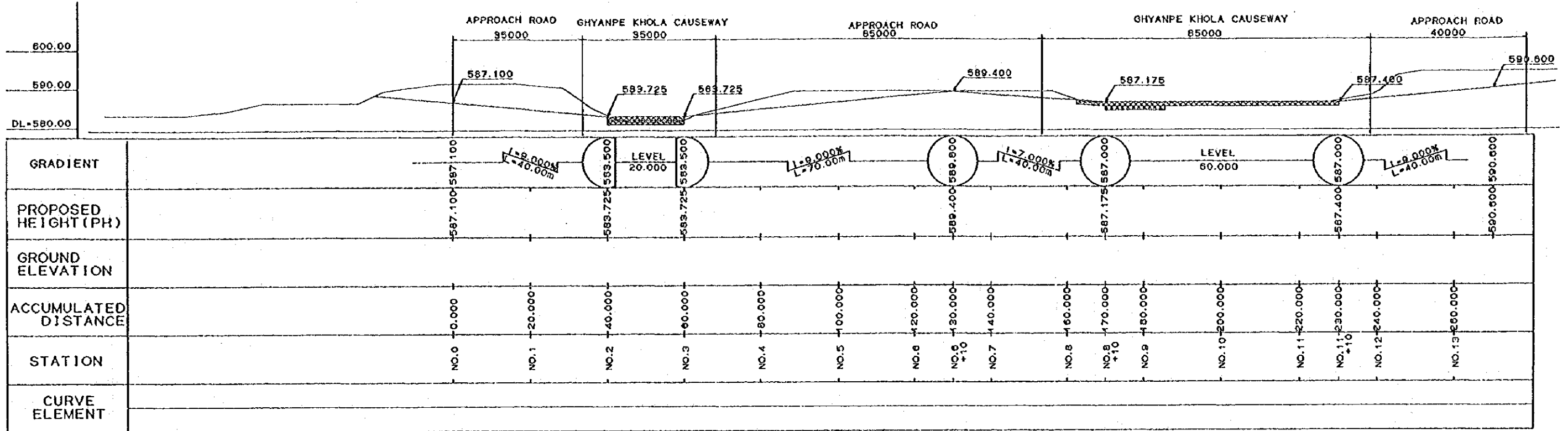
SUBSTRUCTURE

ITEM	CLASS	UNIT	QUANTITY	REMARKS
EXCAVATION		m ³	556	
BACKFILLING		m ³	128	
CONCRETE	ock-240k17/cap	m ³	173.9	
FORM		m ²	339.4	
REINFORCEMENT BAR		L.F.	13660	
APPROACH CUSHION	L=5m	PLACE	2	

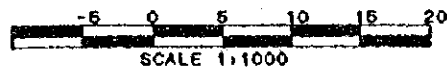
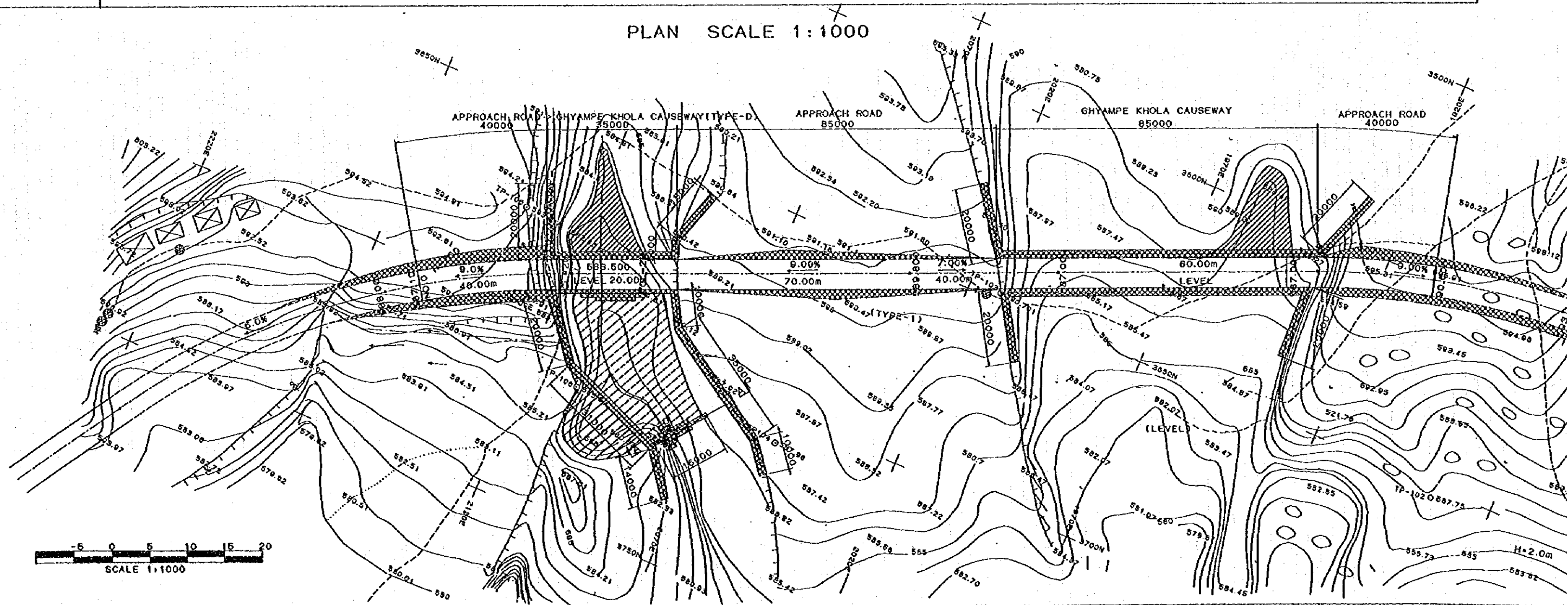
ACCESSORY WORK

ITEM	CLASS	UNIT	QUANTITY	REMARKS
REPAIR WORKS		m ²	333.0	
RIVER BED PROTECTION WORKS		m ²	97.2	
RETAINING WALL OF CONCRETE BLOCK		m ²	14.8	

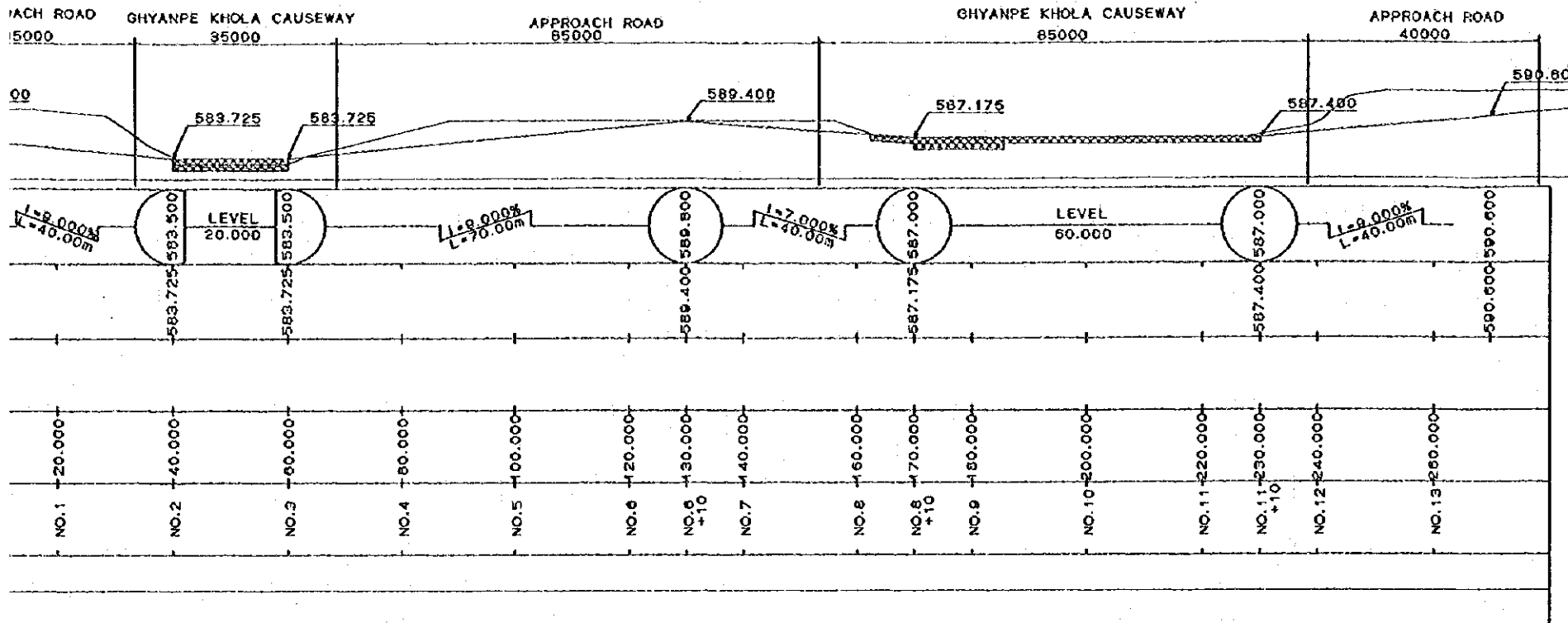
(NO.1)
GHYAMPE KHOLA CAUSEWAY PROFILE SCALE 1:1000



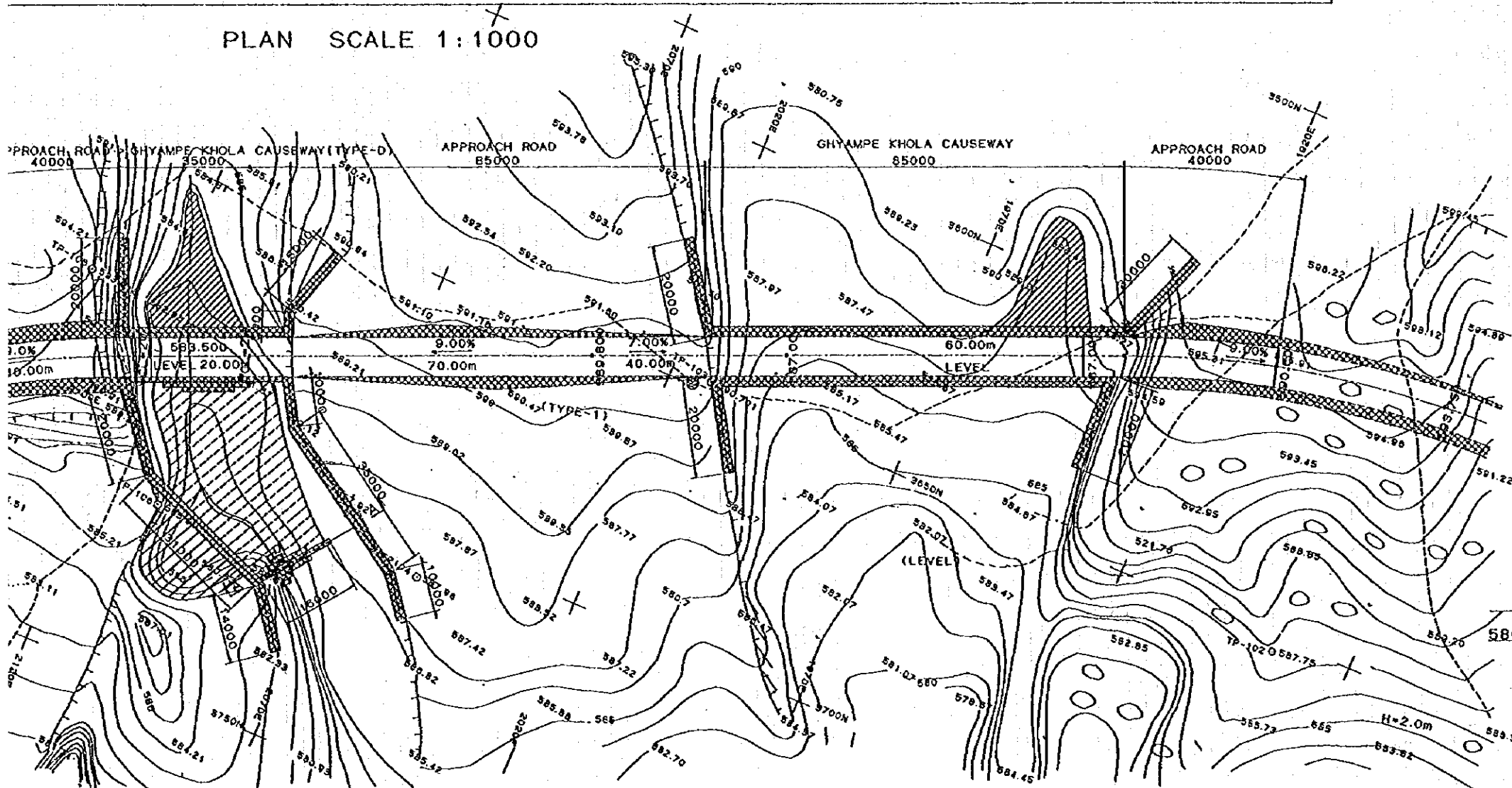
PLAN SCALE 1:1000



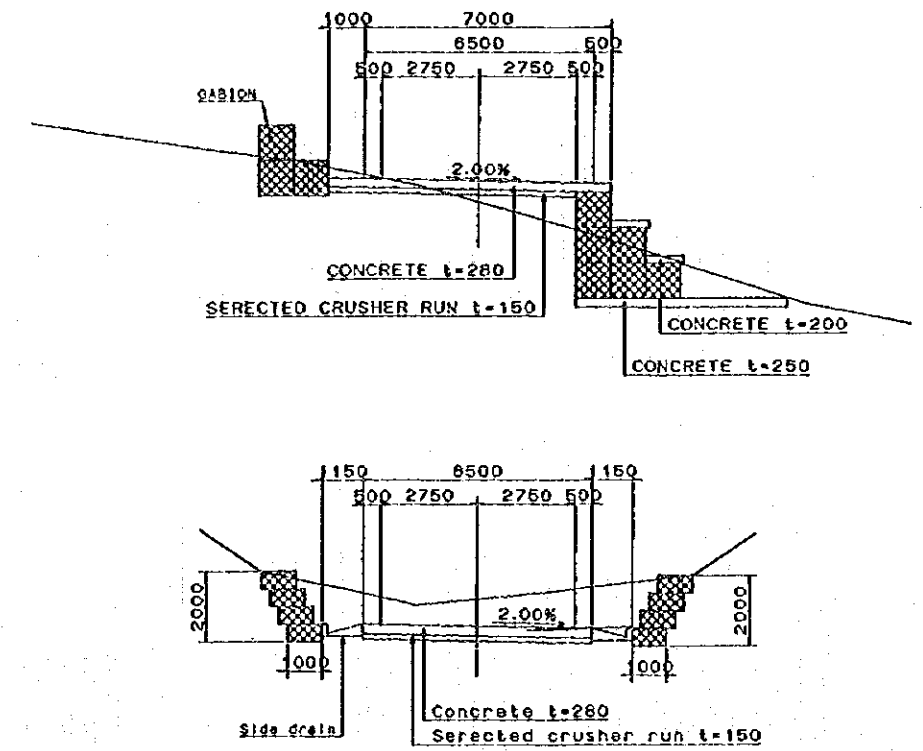
SCALE 1:1000



PLAN SCALE 1:1000



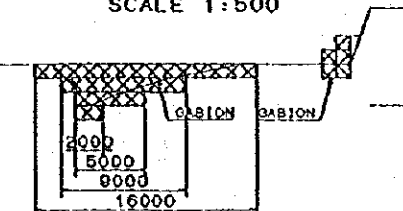
CROSS SECTION SCALE 1:200



MATERIALS

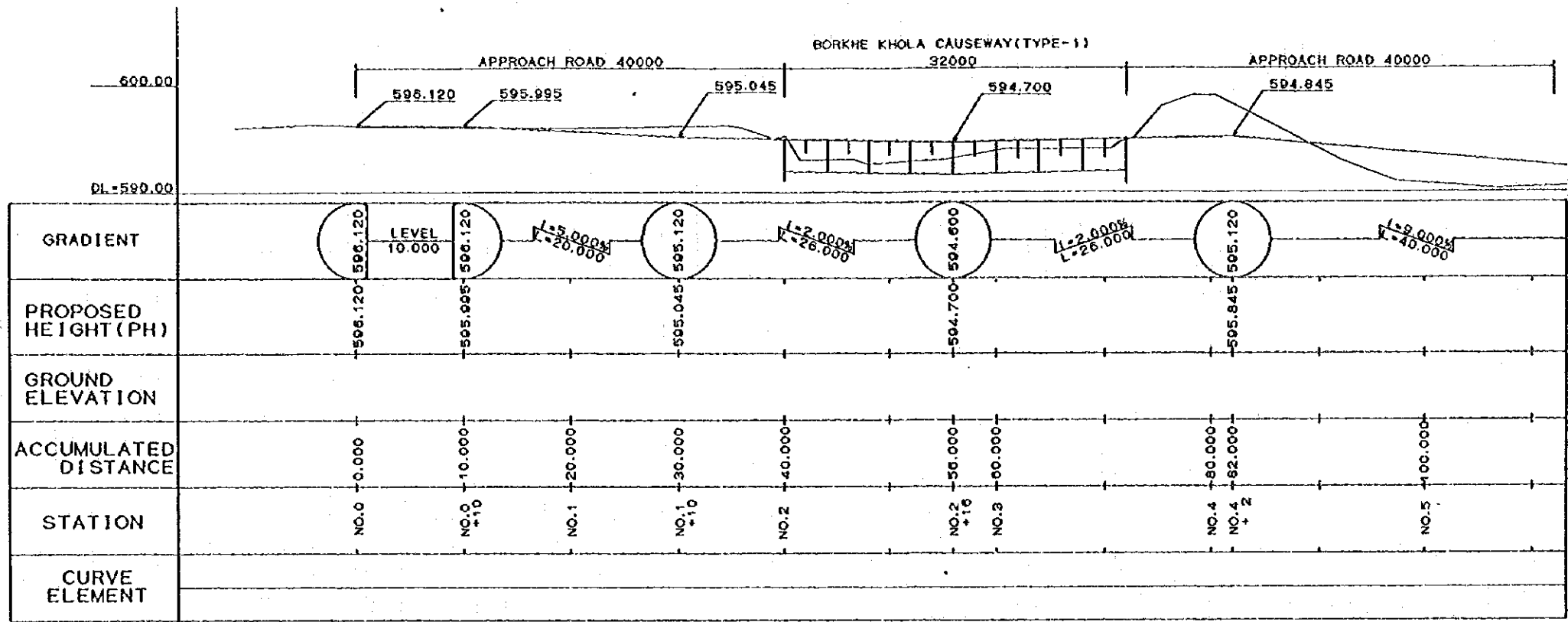
ITEM	CLASS	UNIT	QUANTITY	REMARKS
EXCAVATION		m ³	4968.0	
BACKFILL		m ³	696.0	
CONCRETE		m ³		
CONCRETE WITH COBBLE		m ³	232.8	
GABION	CAUSEWAY	m ³	1740.0	
PAVEMENT	t=28	m ³	569.1	
BASE	CRUSHERRUN	m ²	1312.5	
SIDE DITCH		m	390.0	
GABION WALL	RIVER PROTECT	m ³	1080.0	
REINFOR CEMENTO BAR		t	4.0	

SECTION A-A SCALE 1:500

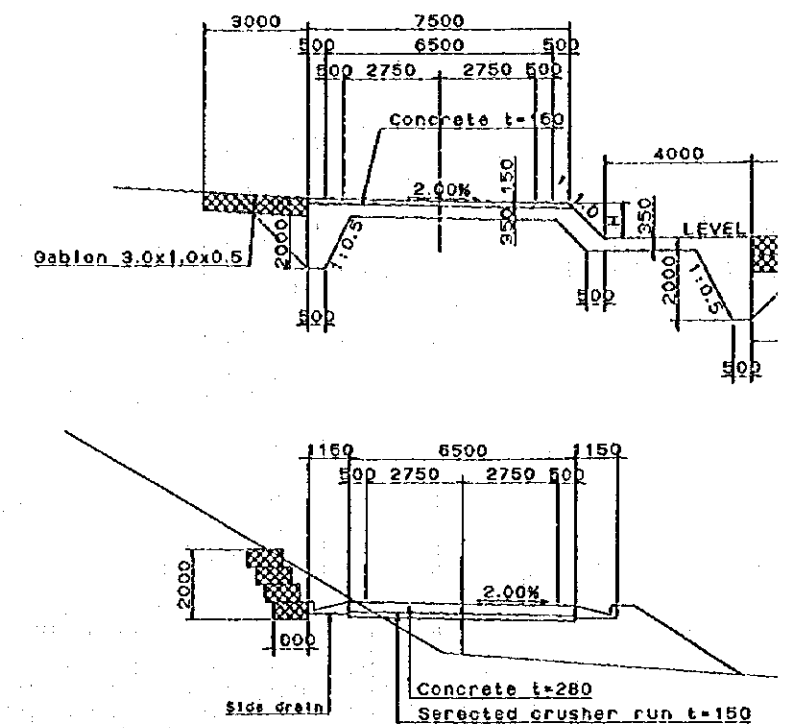


A-8 General Plan of Ghyampe khola Causeway

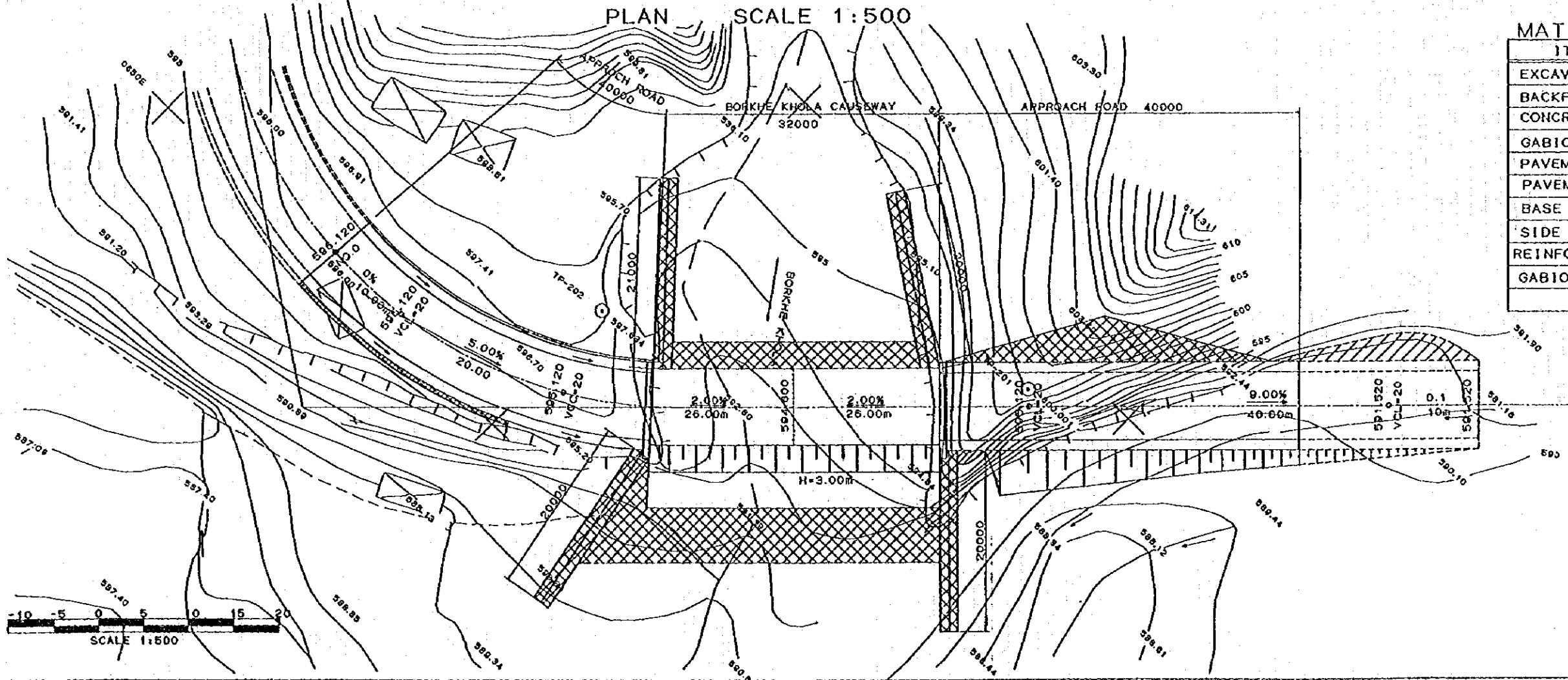
(NO.2) BORKHE KHOLA
PROFILE SCALE 1:500



CROSS SECTION SCALE 1:200



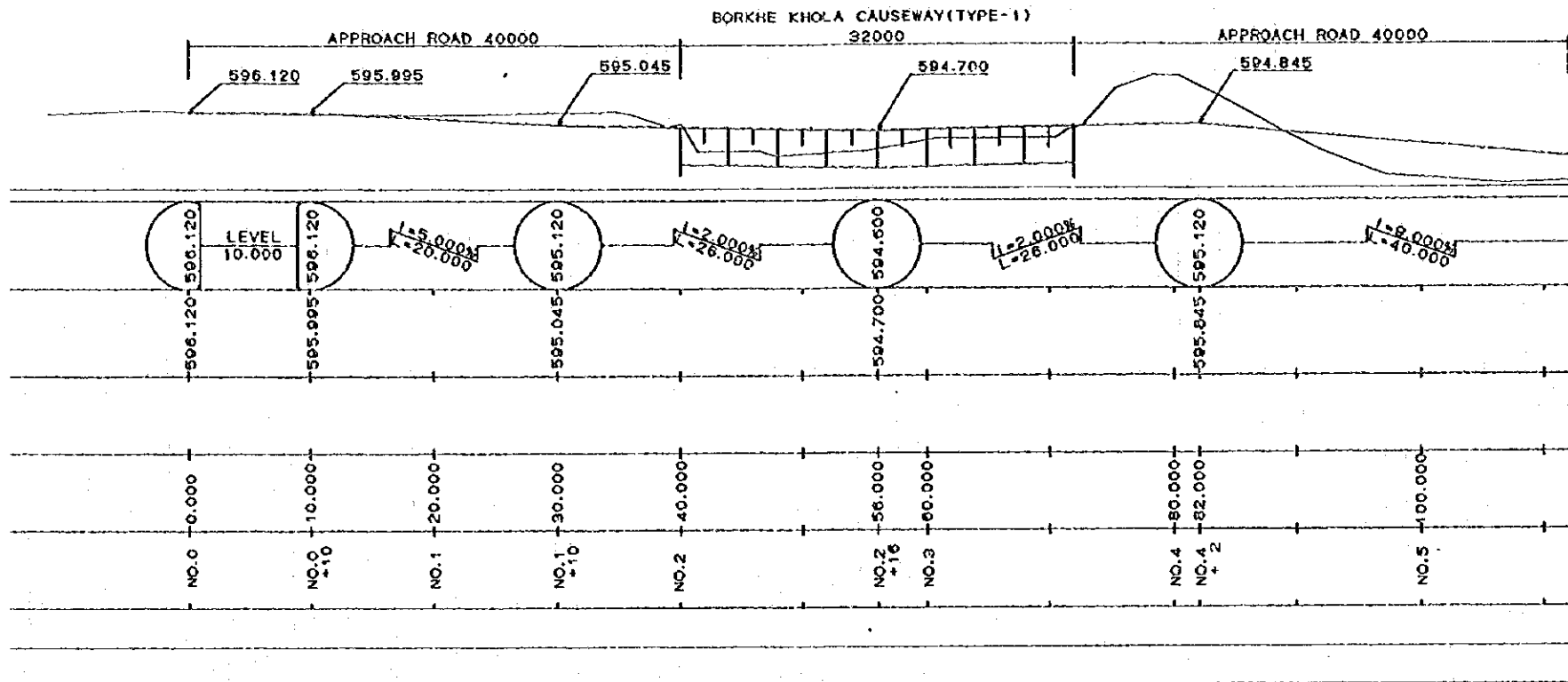
PLAN SCALE 1:500



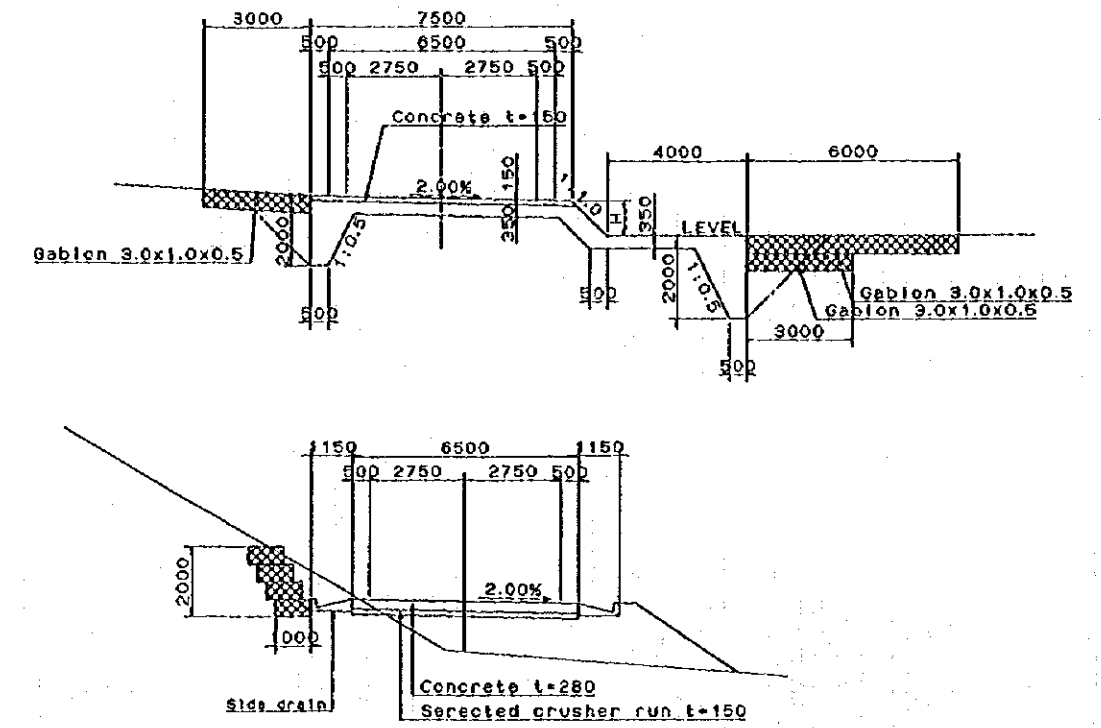
MATERIALS

ITEM	CLASS	UNIT	QUAN
EXCAVATION		m3	88
BACKFILL		m3	12
CONCRETE WITH COBBLE		m3	2.
GABION	CAUSEWAY	m3	27
PAVEMENT	t=15	m3	3
PAVEMENT	t=28	m3	.
BASE	CRUSHERRUN	m2	5.
SIDE DITCH		m	16
REINFORCEMENT BAR		t	
GABION WALL	RIVER PROTECT	m3	.

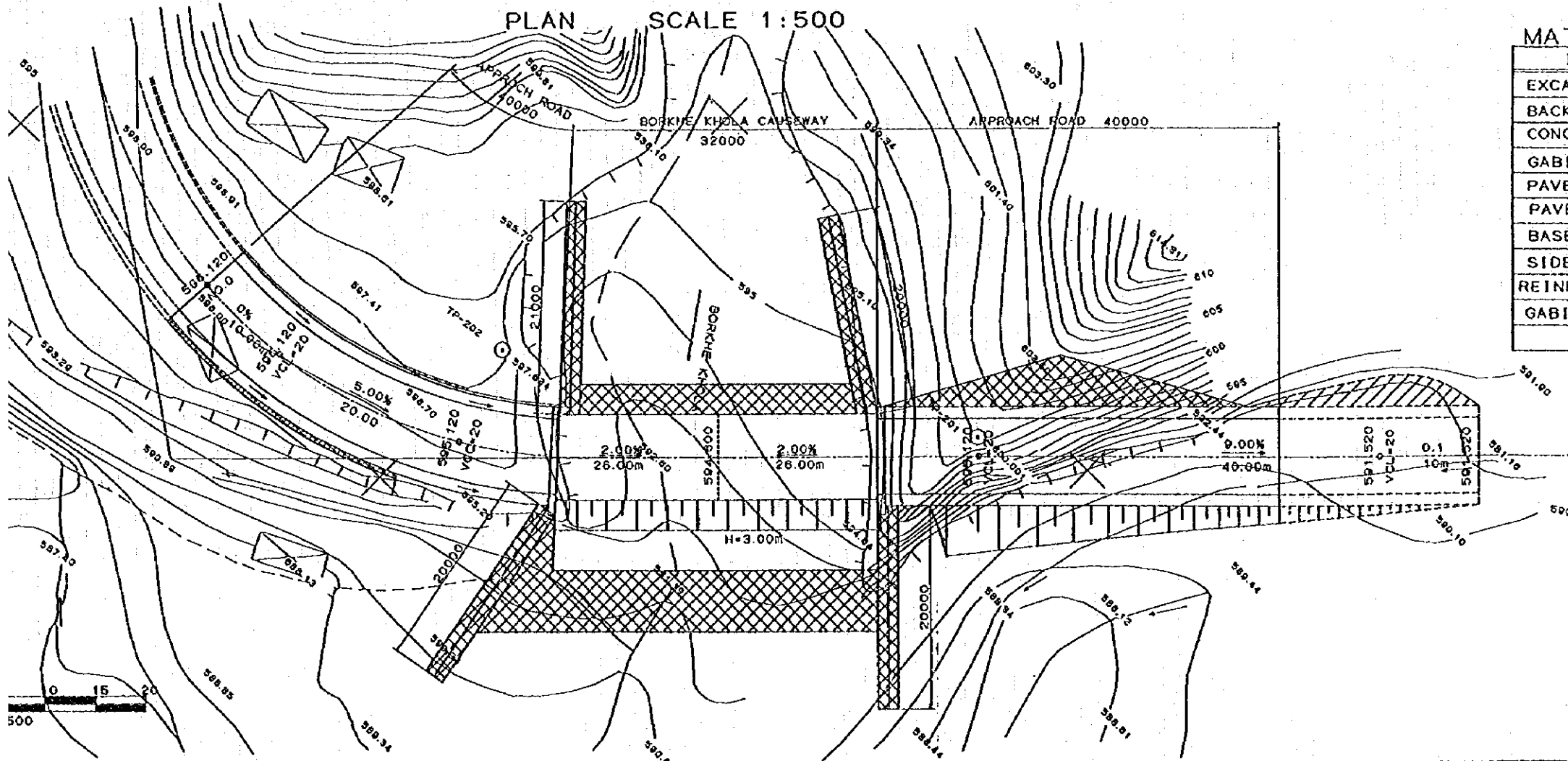
**BORKHE KHOLA
PROFILE SCALE 1:500**



CROSS SECTION SCALE 1:200



PLAN SCALE 1:500

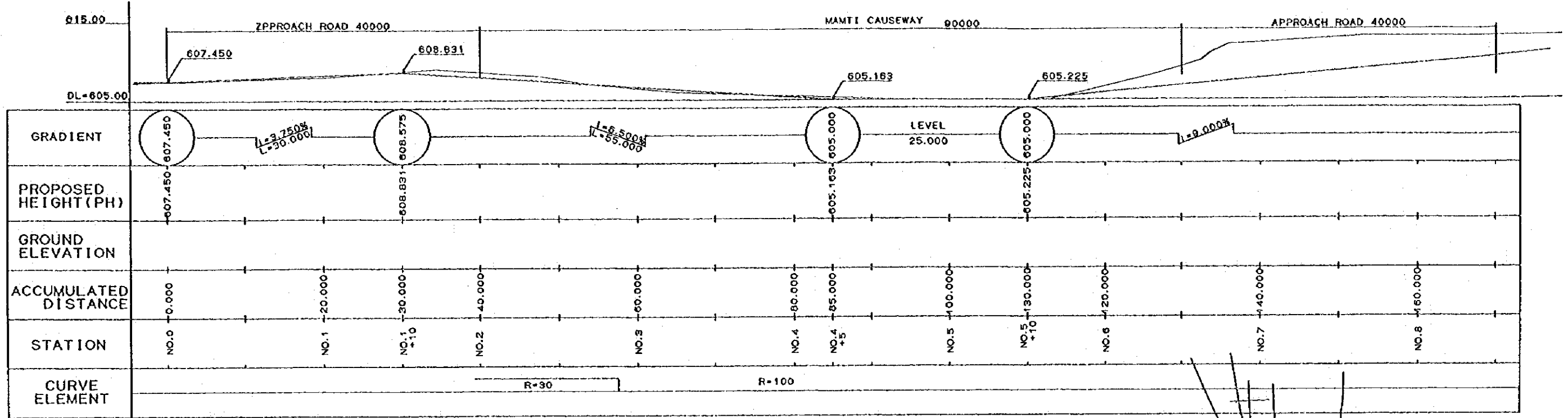


MATERIALS

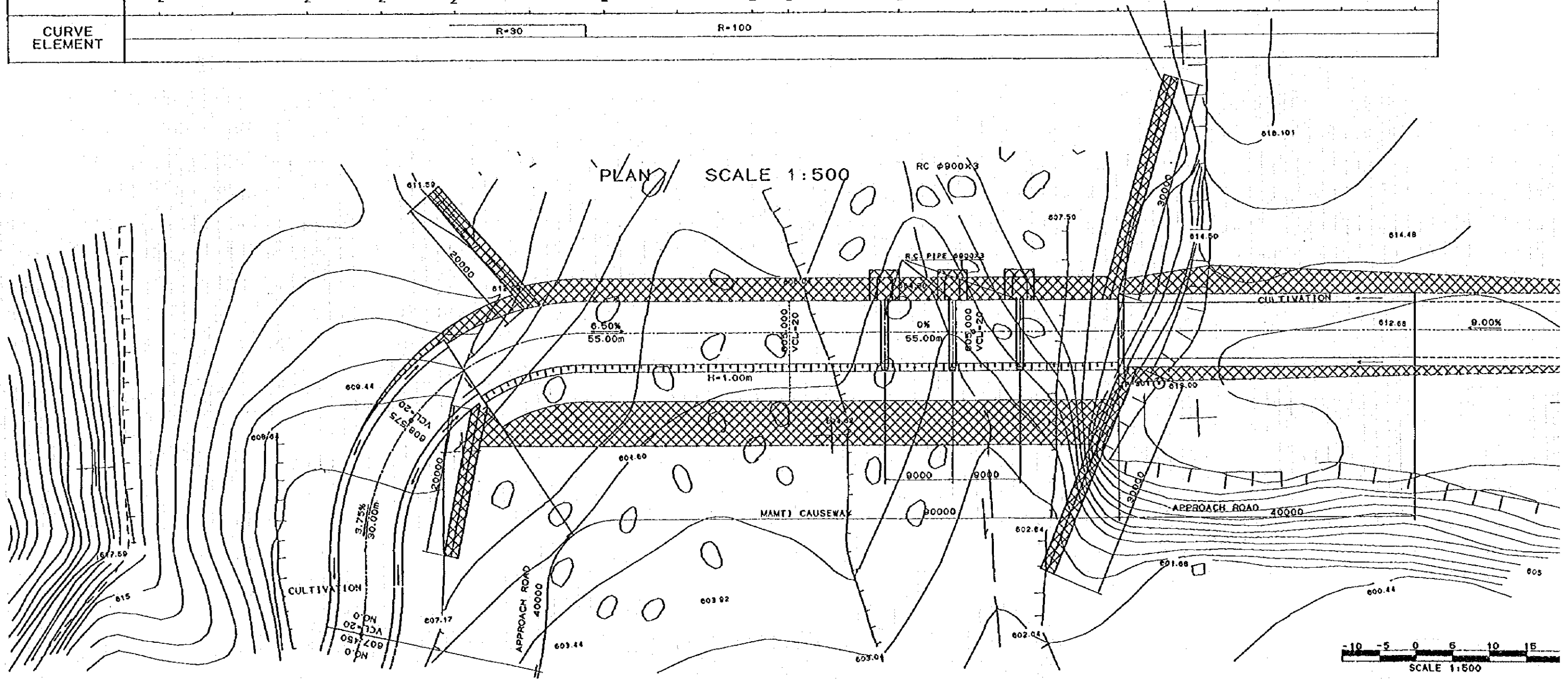
ITEM	CLASS	UNIT	QUANTITY
EXCAVATION		m ³	884.0
BACKFILL		m ³	120.0
CONCRETE WITH COBBLE		m ³	246.4
GABION	CAUSEWAY	m ³	272.0
PAVEMENT	t = 15	m ³	36.0
PAVEMENT	t = 28	m ³	72.8
BASE	CRUSHERRUN	m ²	520.0
SIDE DITCH		m	160.0
REINFORCEMENT BAR		t	3.7
GABION WALL	RIVER PROTECT	m ³	84.5

(No.3) MAMTI CAUSEWAY

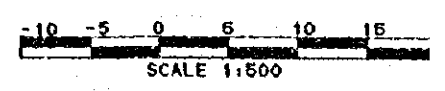
PROFILE SCALE 1:500



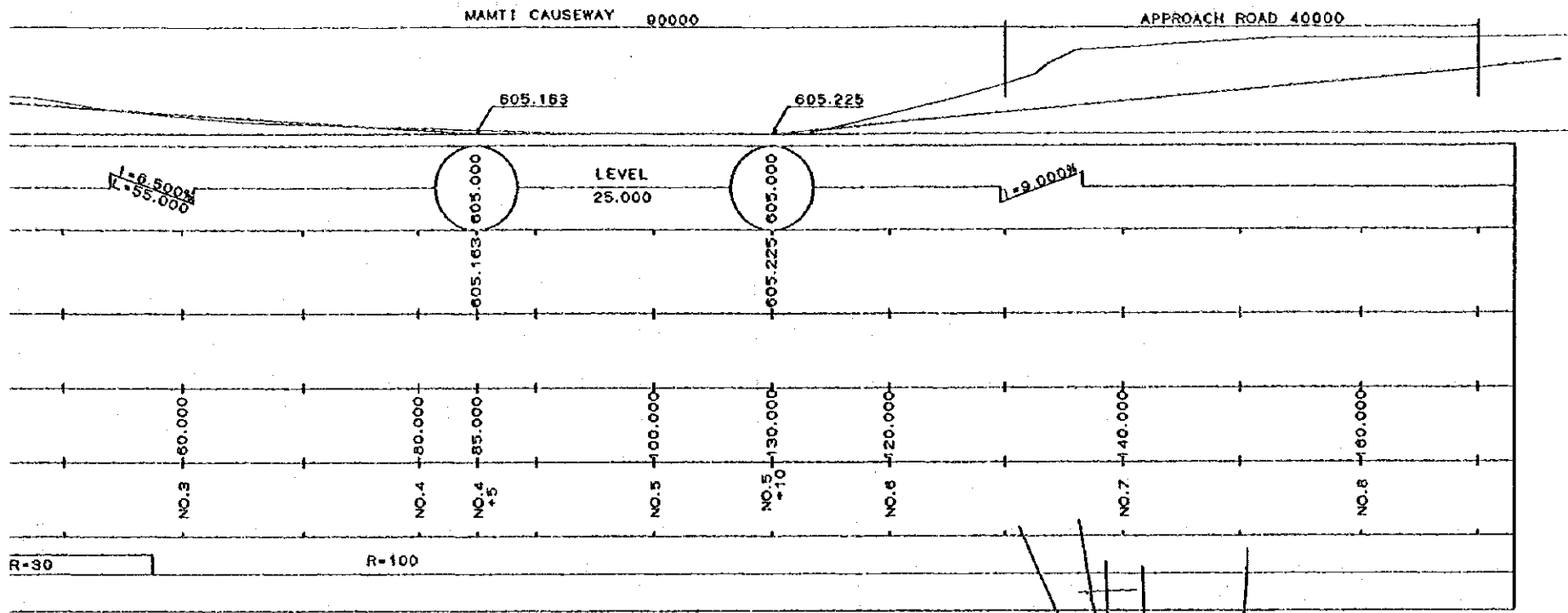
PLAN SCALE 1:500



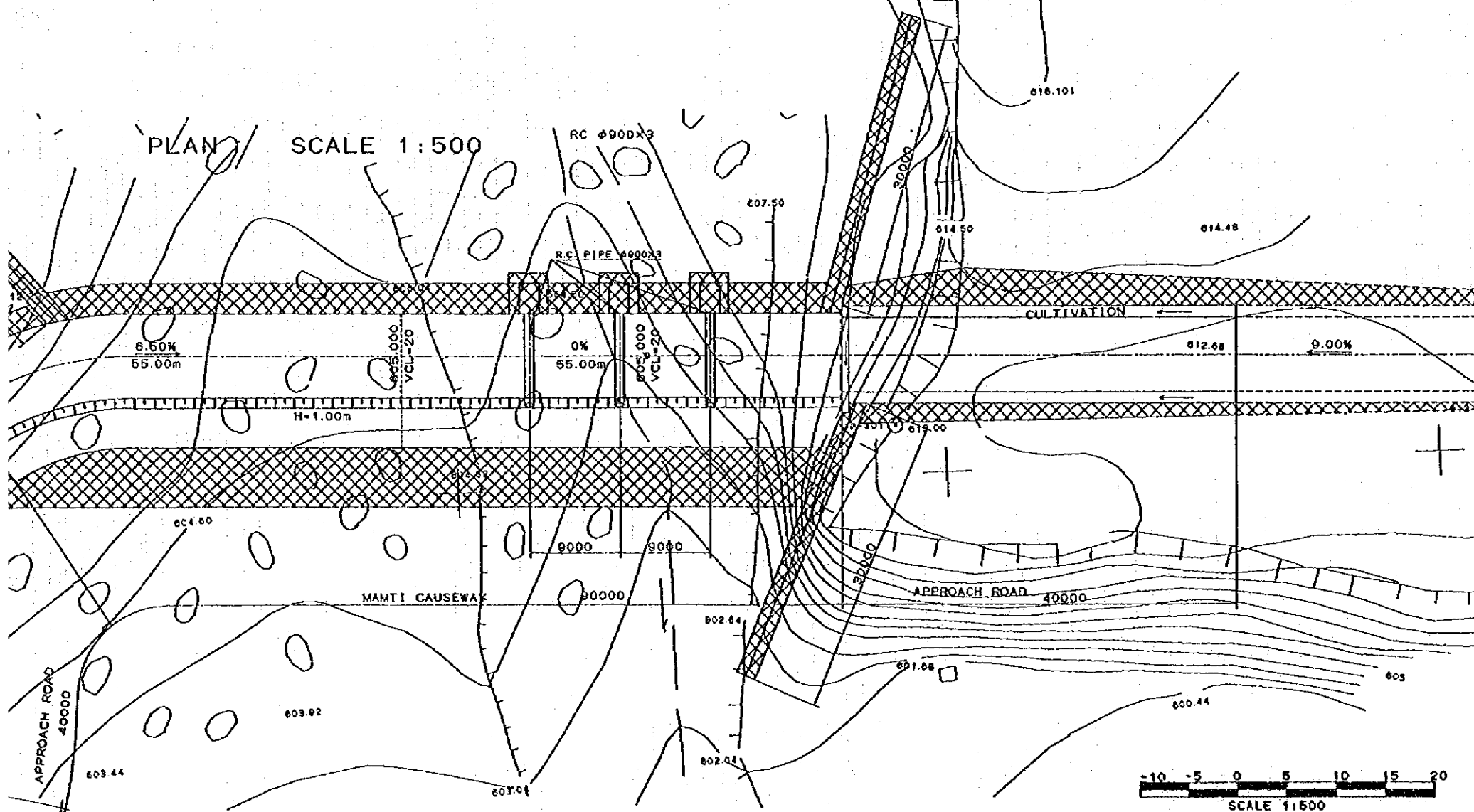
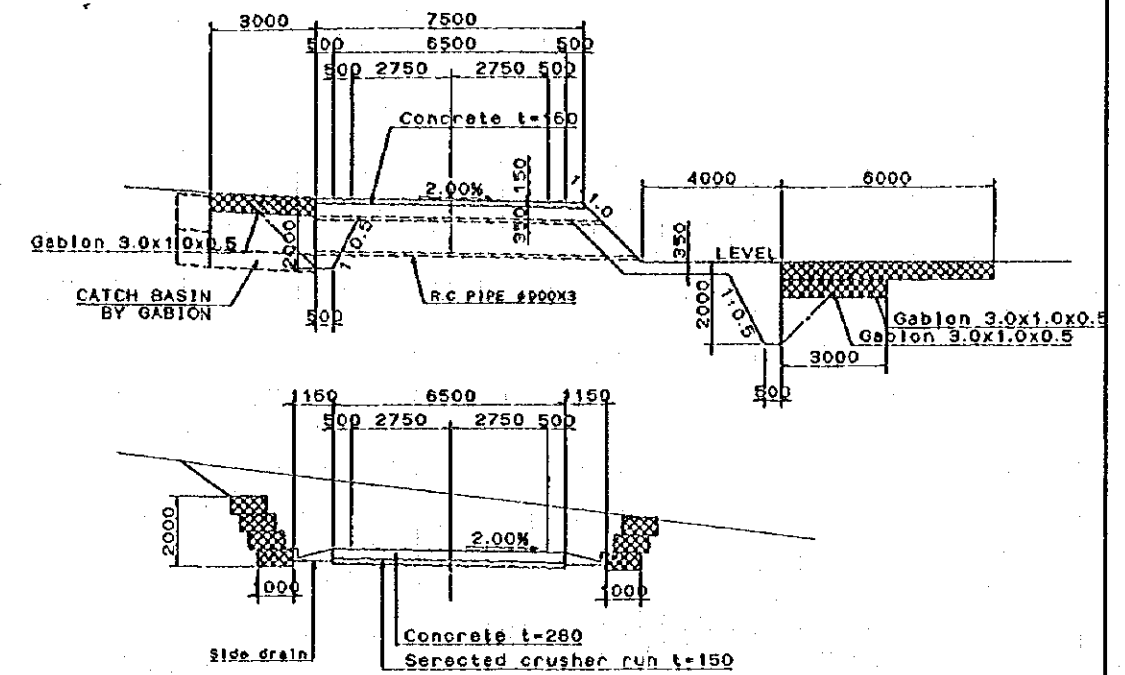
Gabio
C



ILE SCALE 1:500



CROSS SECTION SCALE 1:200



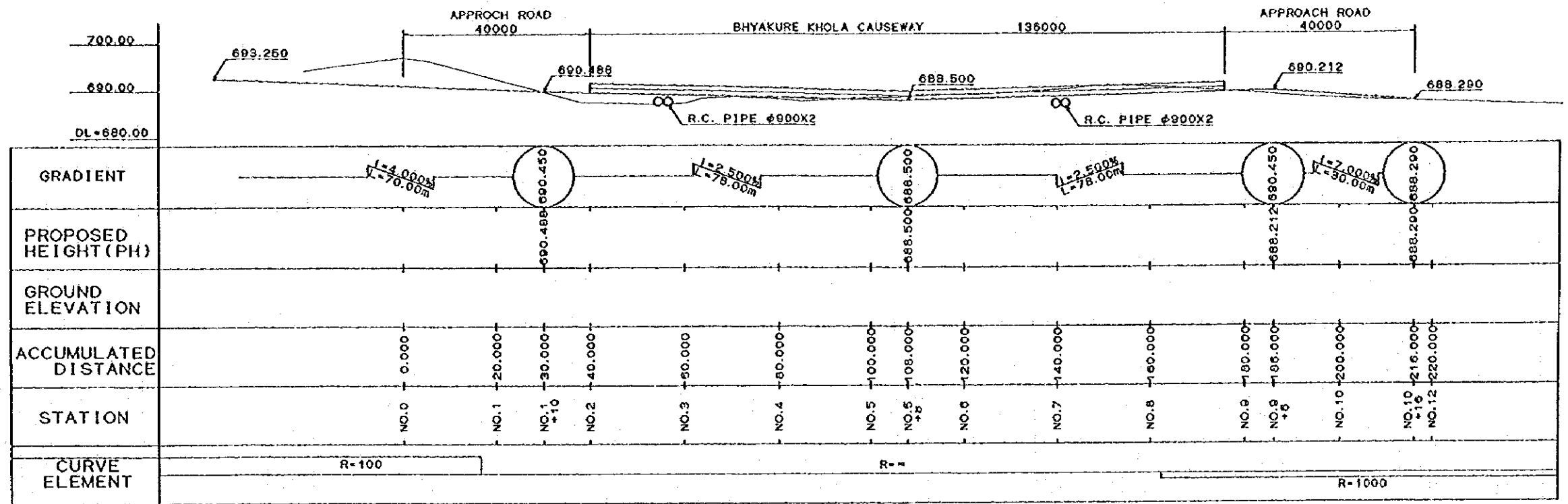
MATERIALS

ITEM	CLASS	UNIT	QUANTITY
EXCAVATION		m ³	2206.0
BACKFILL		m ³	249.0
CONCRETE WITH COBBLE		m ³	693.0
GABION	CAUSEWAY	m ³	1040.0
PAVEMENT	t=15	m ³	72.8
PAVEMENT	t=28	m ³	72.8
BASE	CRUSHERRUN	m ²	520.0
SIDE DITCH		m	160.0
REINFORCEMENT BAR		t	10.4
GABION WALL	RIVER PROTECT	m ³	460.0
RC PIPE	φ900	m	24.0

A-10 General Plan of Mamti khola Causeway

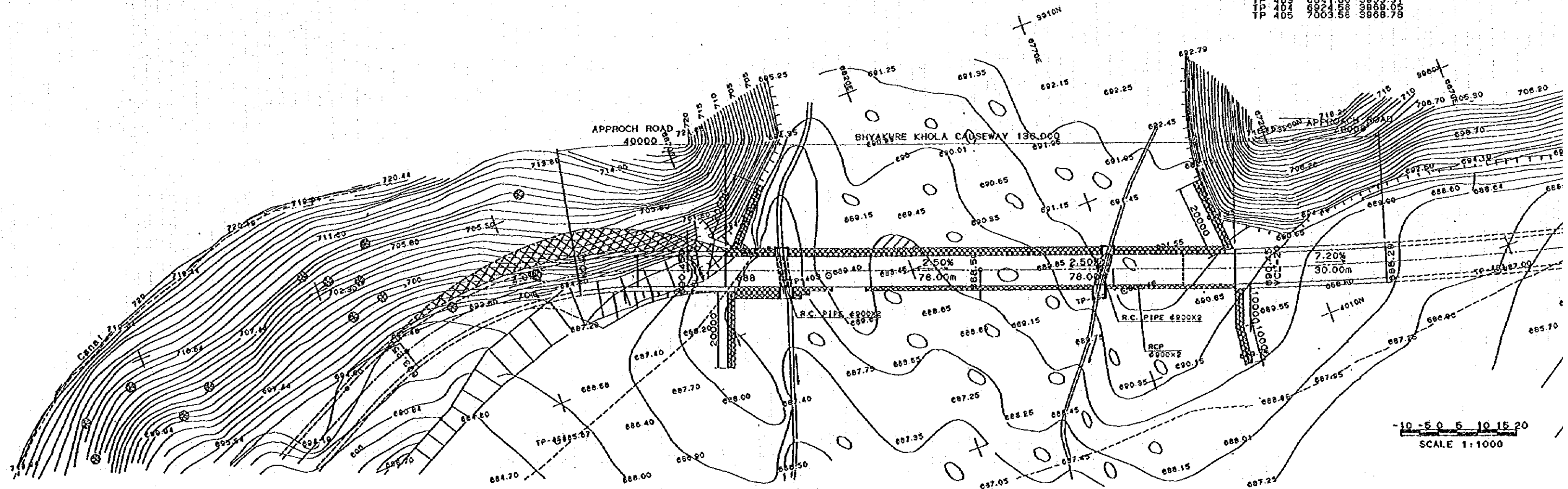
(NO.4)
BHYAKURE KHOLA CAUSEWAY

PROFILE SCALE 1:1000



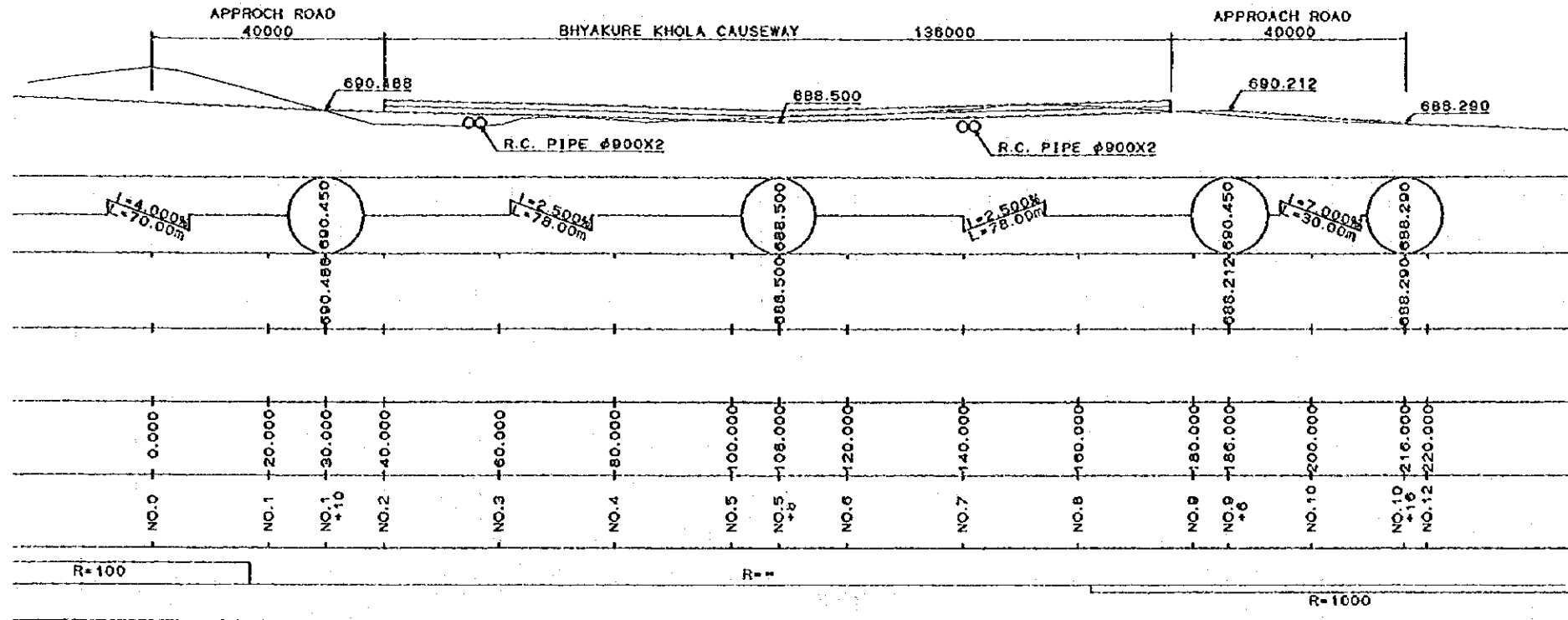
PLAN SCALE 1:1000

STATION NO	EASTING	NORTHING
TP 401	6675.00	7015.00
TP 402	6768.95	7015.00
TP 403	6841.80	7015.00
TP 404	6924.65	7015.00
TP 405	7003.50	7015.00

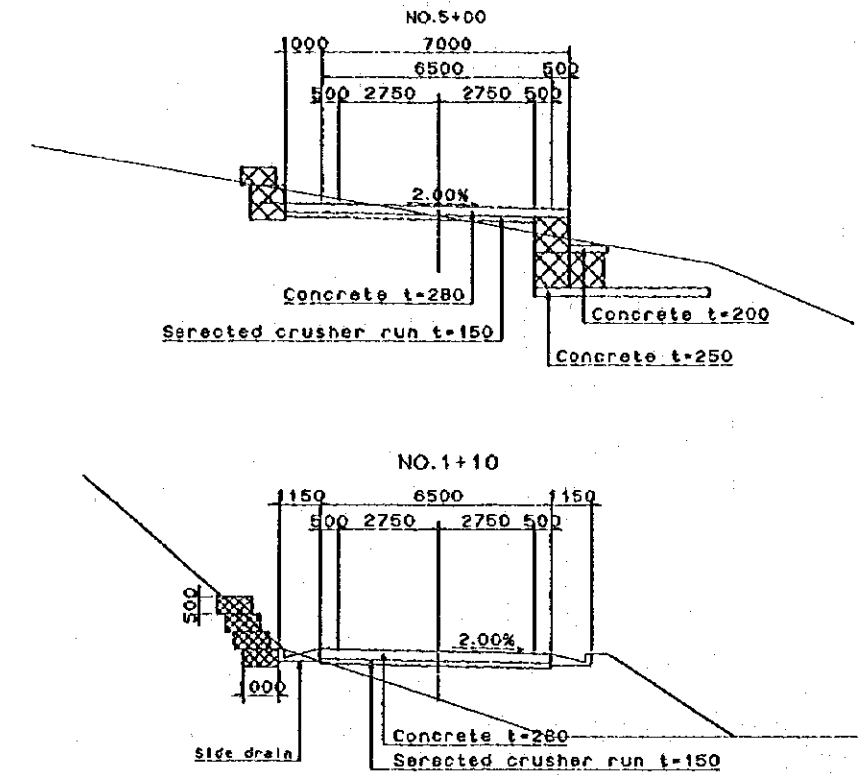


SCALE 1:1000

SCALE 1:1000

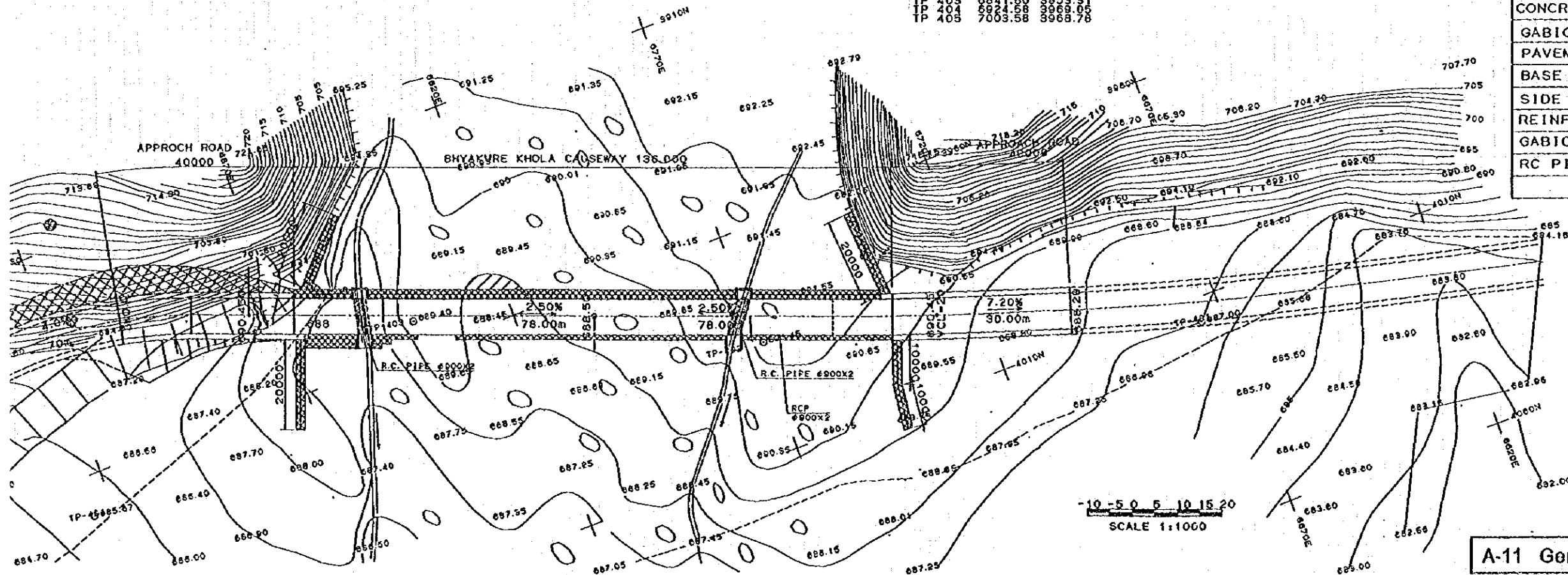


CROSS SECTION SCALE 1:200



PLAN SCALE 1:1000

STATION NO	EASTING	NORTHING
TP 401	6678.00	7015.00
TP 402	6768.00	7015.00
TP 403	6841.00	6930.00
TP 404	6824.00	6930.00
TP 405	7003.58	6968.78



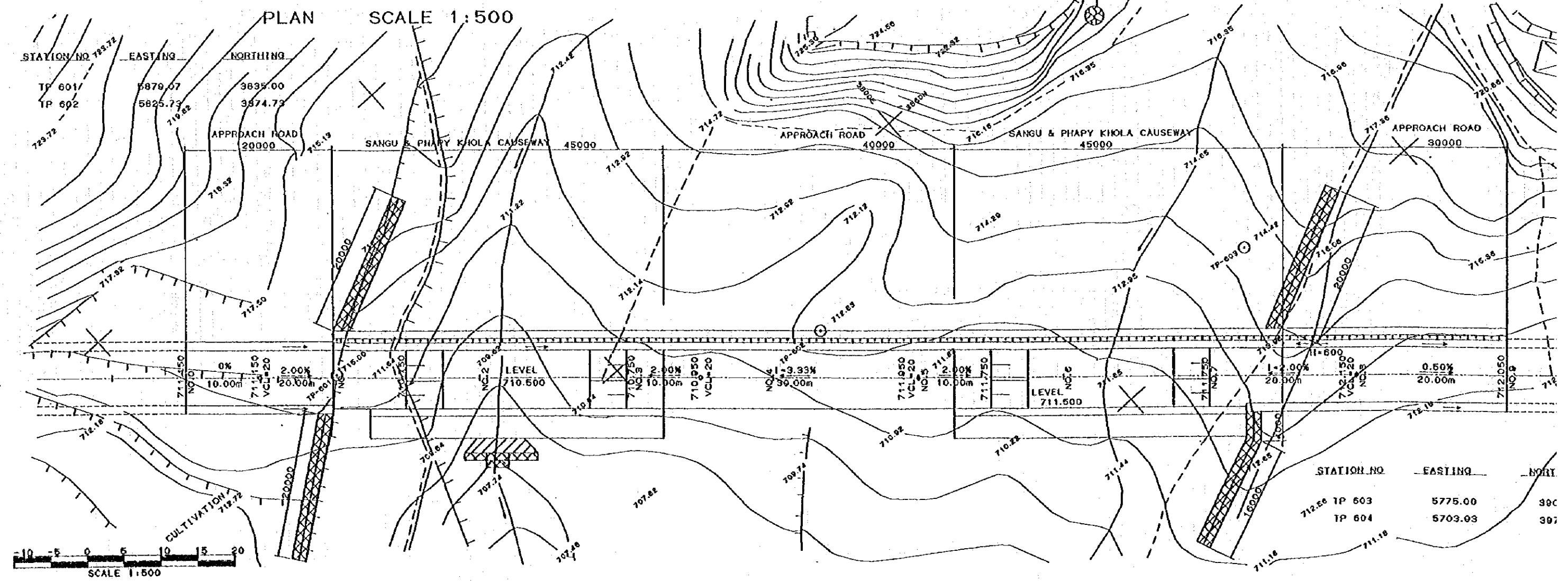
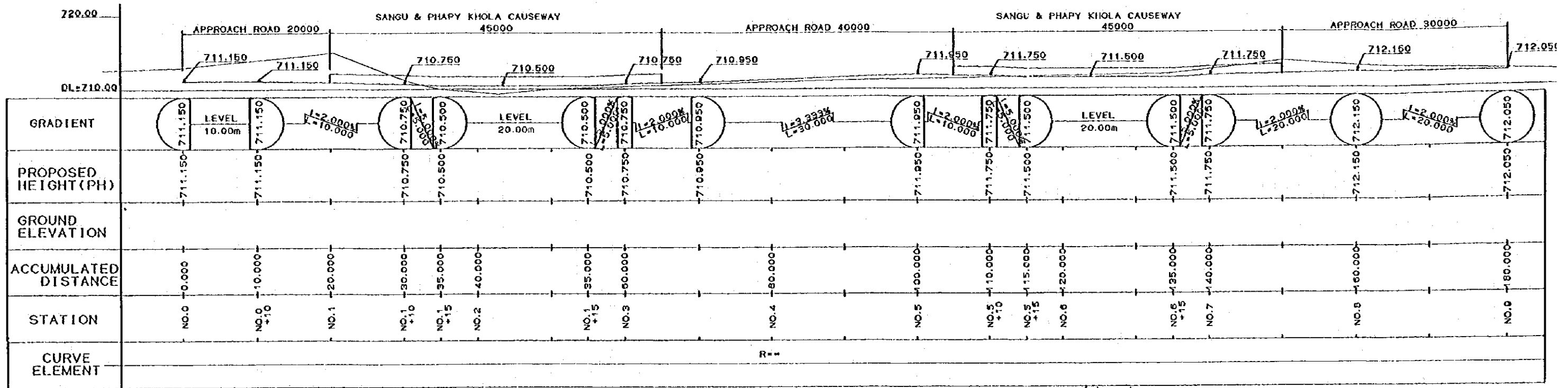
MATERIALS

ITEM	CLASS	UNIT	QUANTITY
EXCAVATION		m ³	2232.0
BACKFILL		m ³	357.6
CONCRETE WITH COBBLE		m ³	282.0
GABION	CAUSEWAY	m ³	864.8
PAVEMENT	t=28	m ³	377.4
BASE	CRUSHERRUN	m ²	673.0
SIDE DITCH		m	160.0
REINFORCEMENT BAR		t	4.0
GABION WALL		m ³	360.0
RC PIPE	$\phi 900$	m	32.0

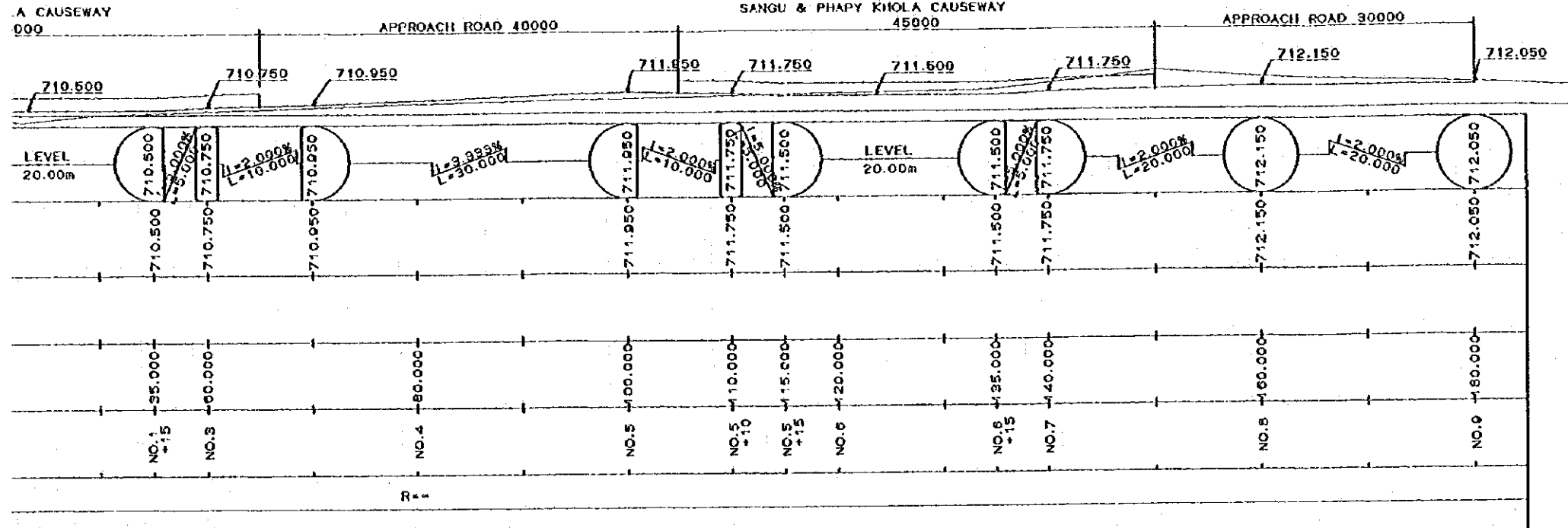
A-11 General Plan of Bh yakure Khola Causeway

(No.5) SANGU&PHAPY KHOLA CAUSEWAY

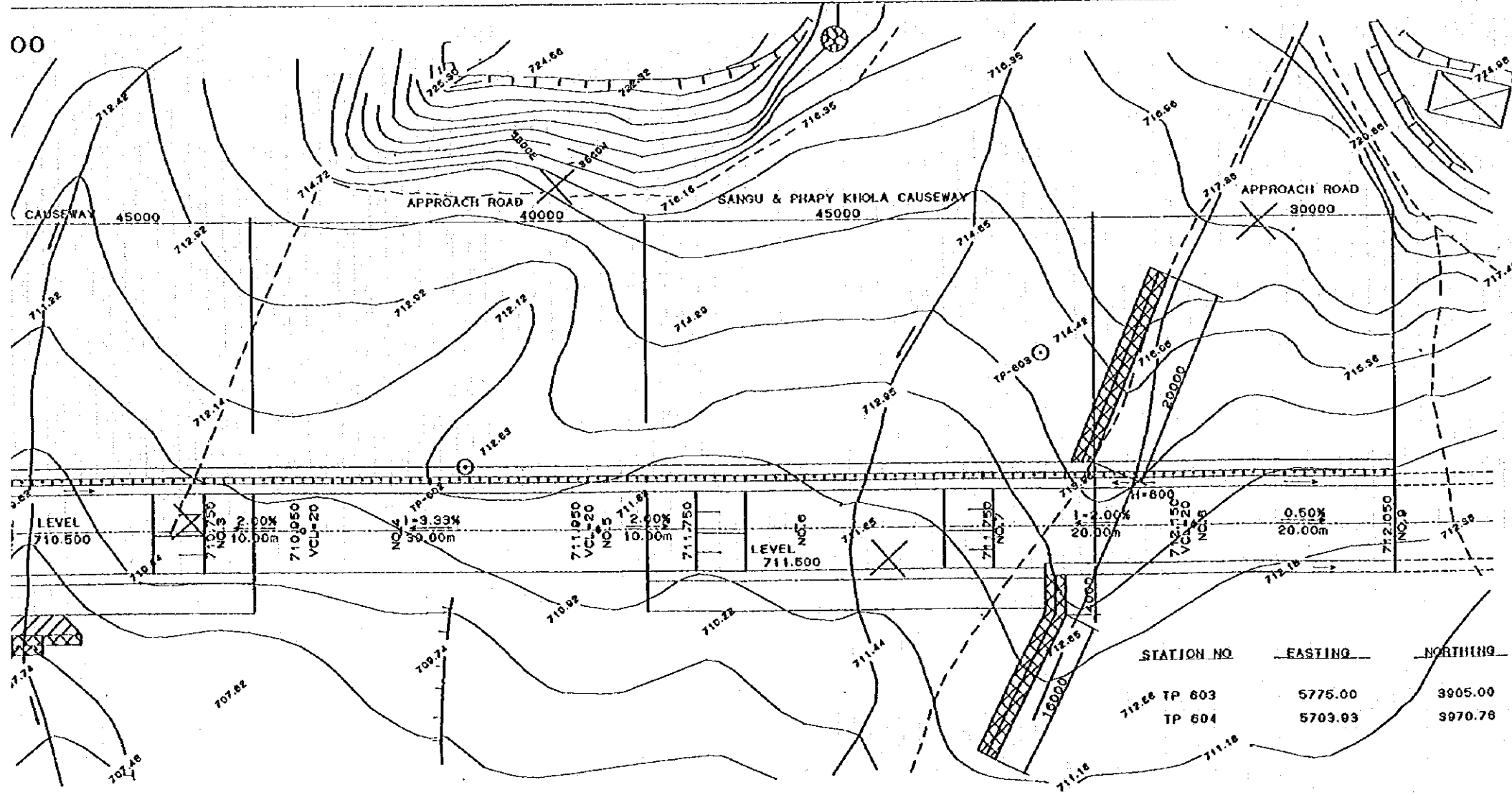
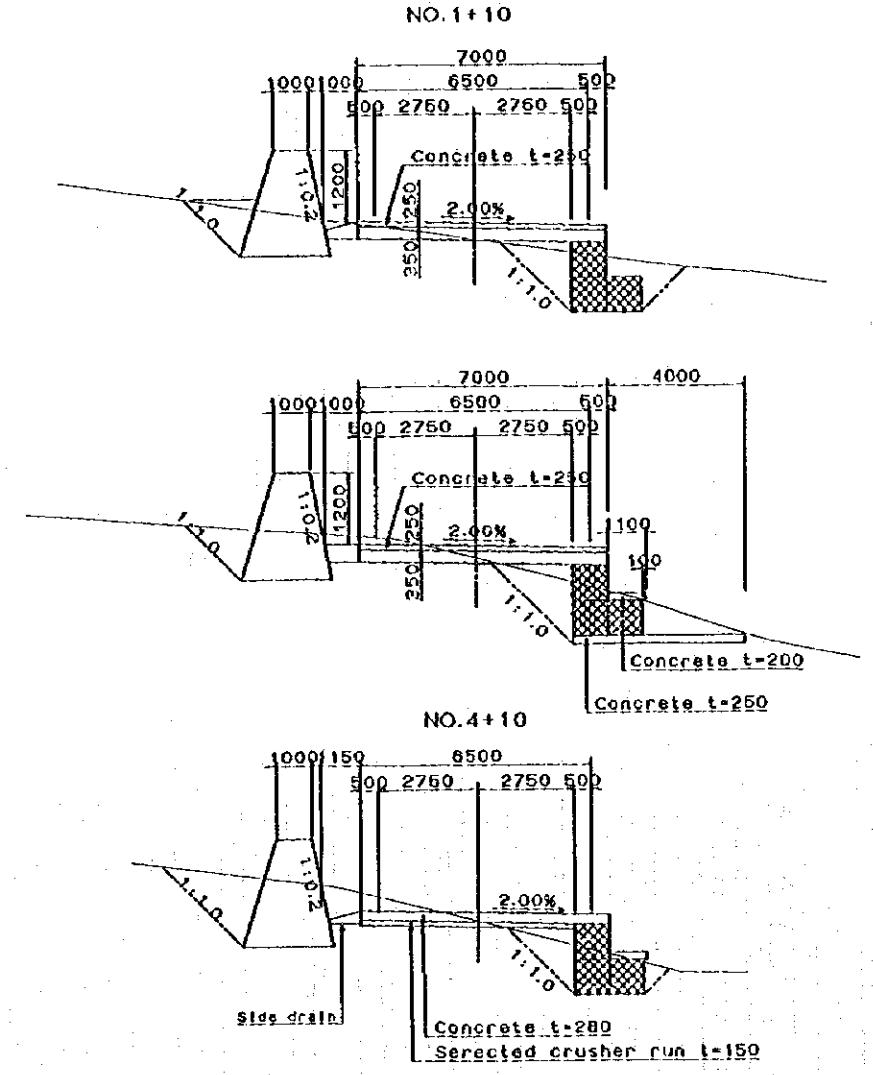
PROFILE SCALE 1:500



SCALE 1:500



CROSS SECTION SCALE 1:200



MATERIALS

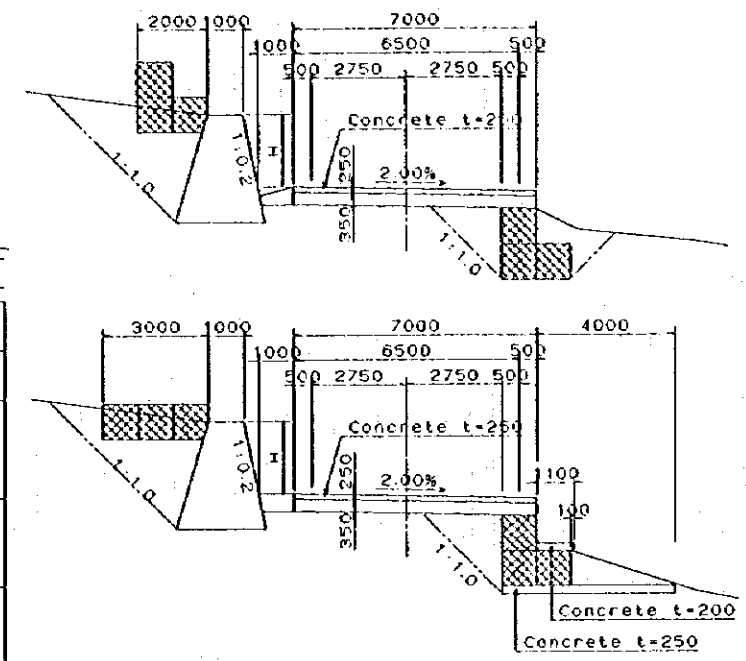
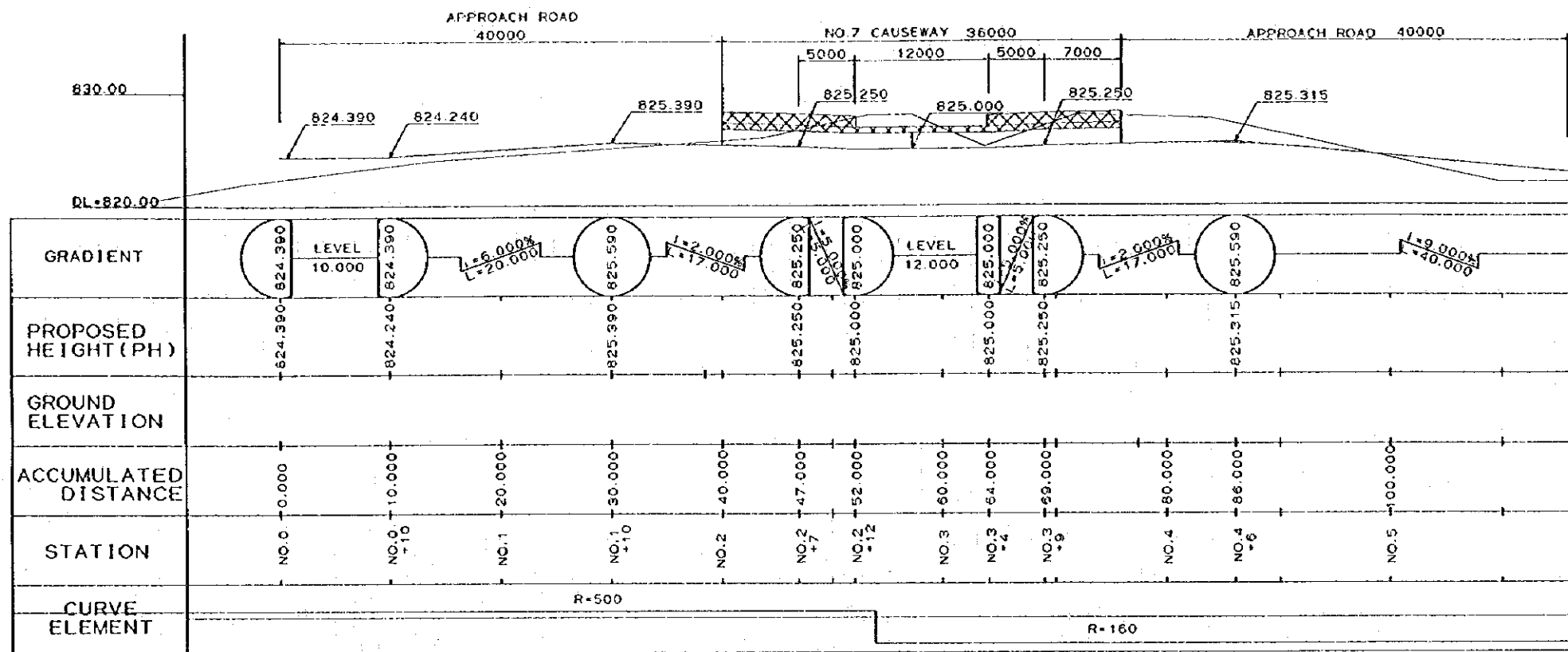
ITEM	CLASS	UNIT	QUANTITY	REMARKS
EXCAVATION		m ³	2371.0	
BACKFILL		m ³	549.6	
GRAVITY RETAINING WALL		m ²	343.0	
CONCRETE WITH COBBLE		m ³	351.0	
GABION	CAUSEWAY	m ³	270.0	
PAVEMENT	t=25	m ³	157.5	
PAVEMENT	t=28	m ³	78.4	
BASE	CRUSHERRUN	m ²	585.0	
SIDE DITCH		m	100.0	
REINFORCEMENT BAR		m ³	5.3	
GABION WALL	RIVER PROTECT	m ³	342.0	

A-12 General Plan of Sangu & Phapy khola Causeway

NO. 6 CAUSEWAY

PROFILE SCALE 1:500

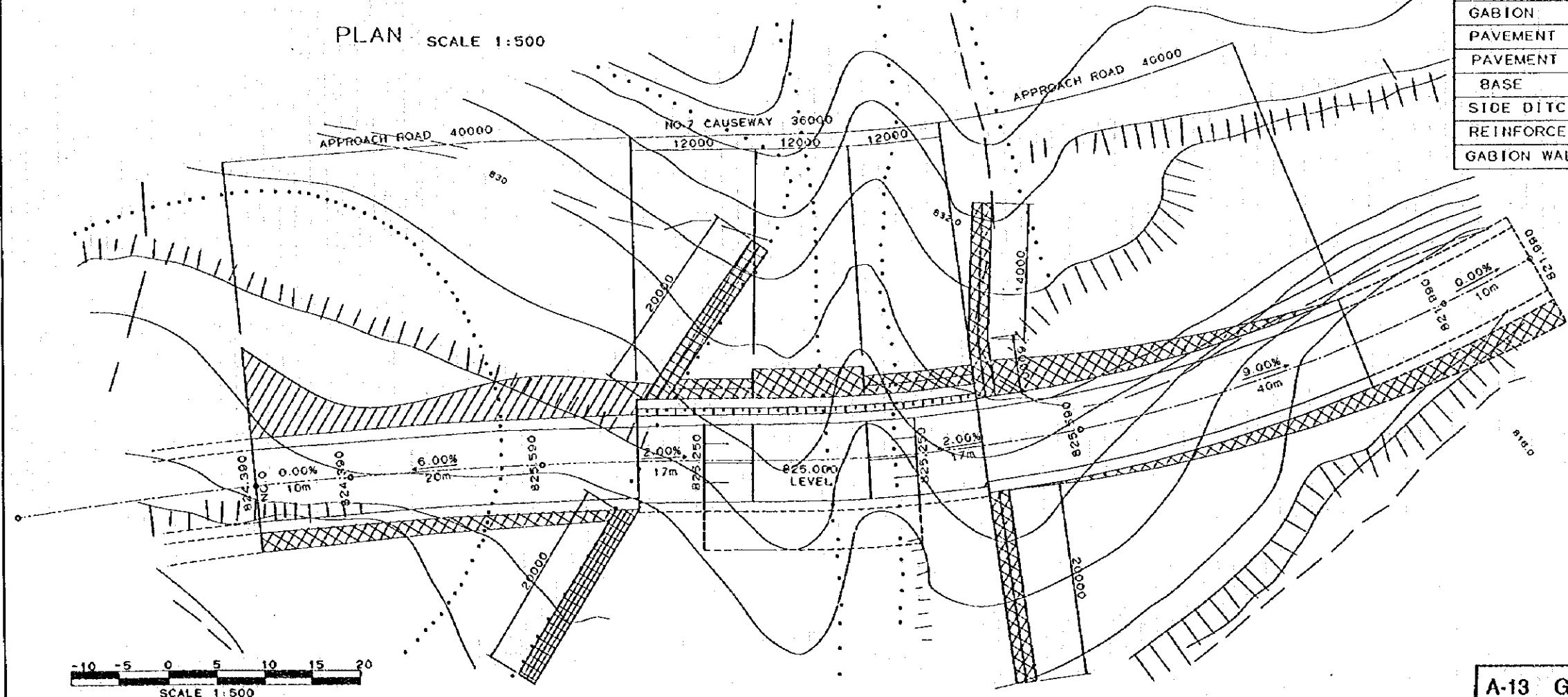
CROSS SECTION SCALE 1:200



MATERIALS

ITEM	CLASS	UNIT	QUANTITY
EXCAVATION		m3	1323.4
BACKFILL		m3	86.0
GRAVITY RETAINING WALL		m3	108.0
CONCRETE WITH COBBLE		m3	140.0
GABION	CAUSEWAY	m3	296.0
PAVEMENT	t=25	m3	63.0
PAVEMENT	t=28	m3	145.6
BASE	CRUSHERRUN	m2	520.0
SIDE DITCH		m	160.0
REINFORCEMENT BAR		t	2.1
GABION WALL	RIVER PROTECT	m3	333.0

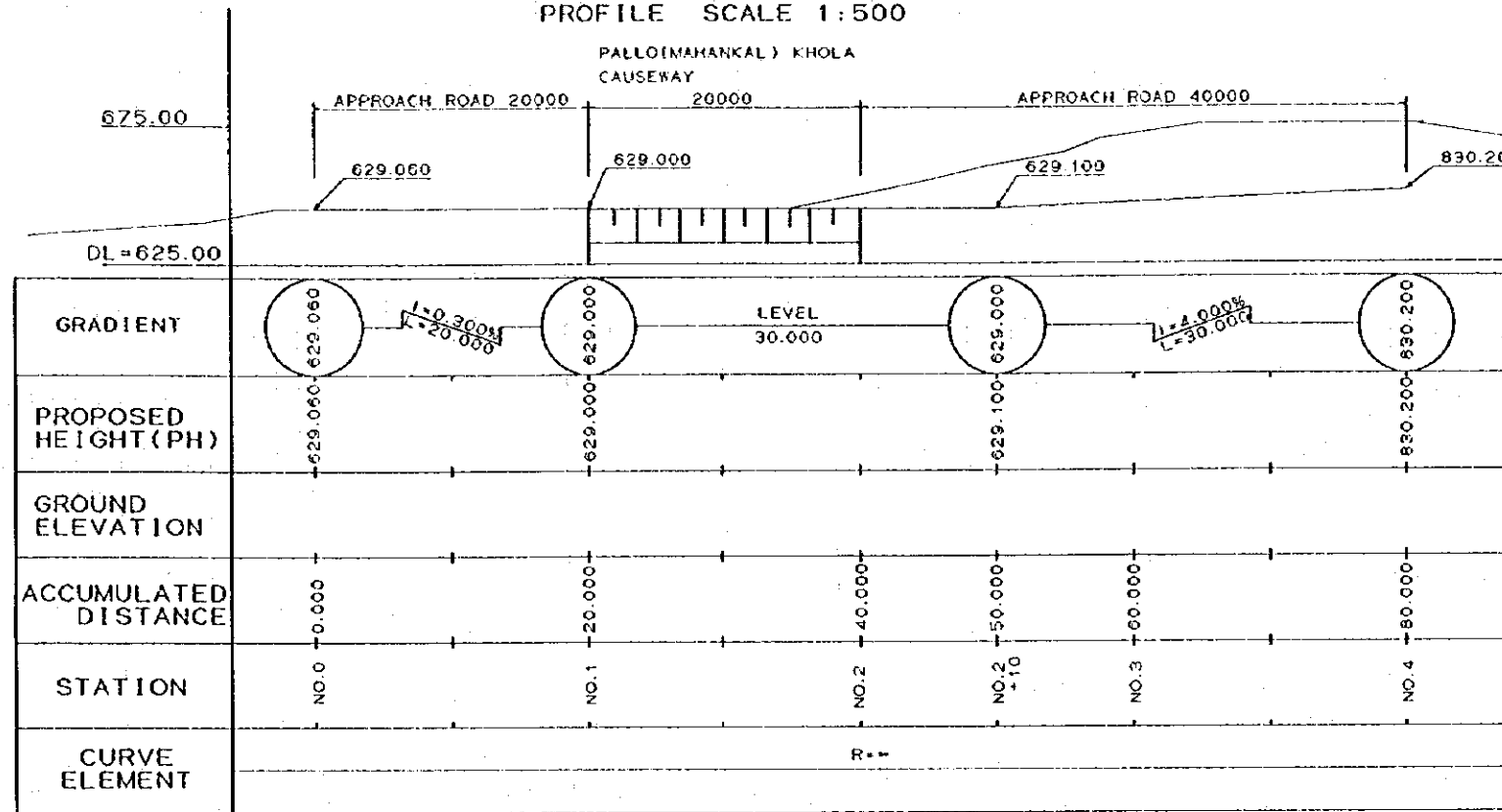
PLAN SCALE 1:500



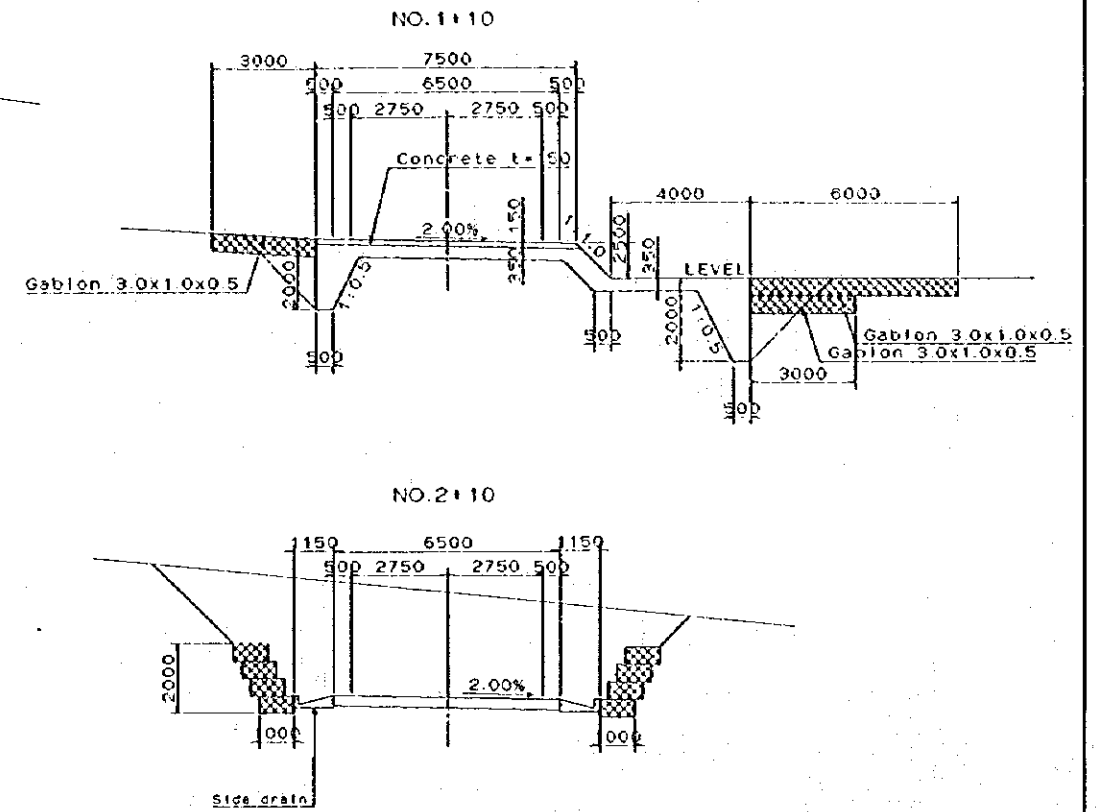
A-13 General Plan of STA.185 Causeway

(NO.7) PALLO(MAHANKAL) KHOLA CAUSEWAY

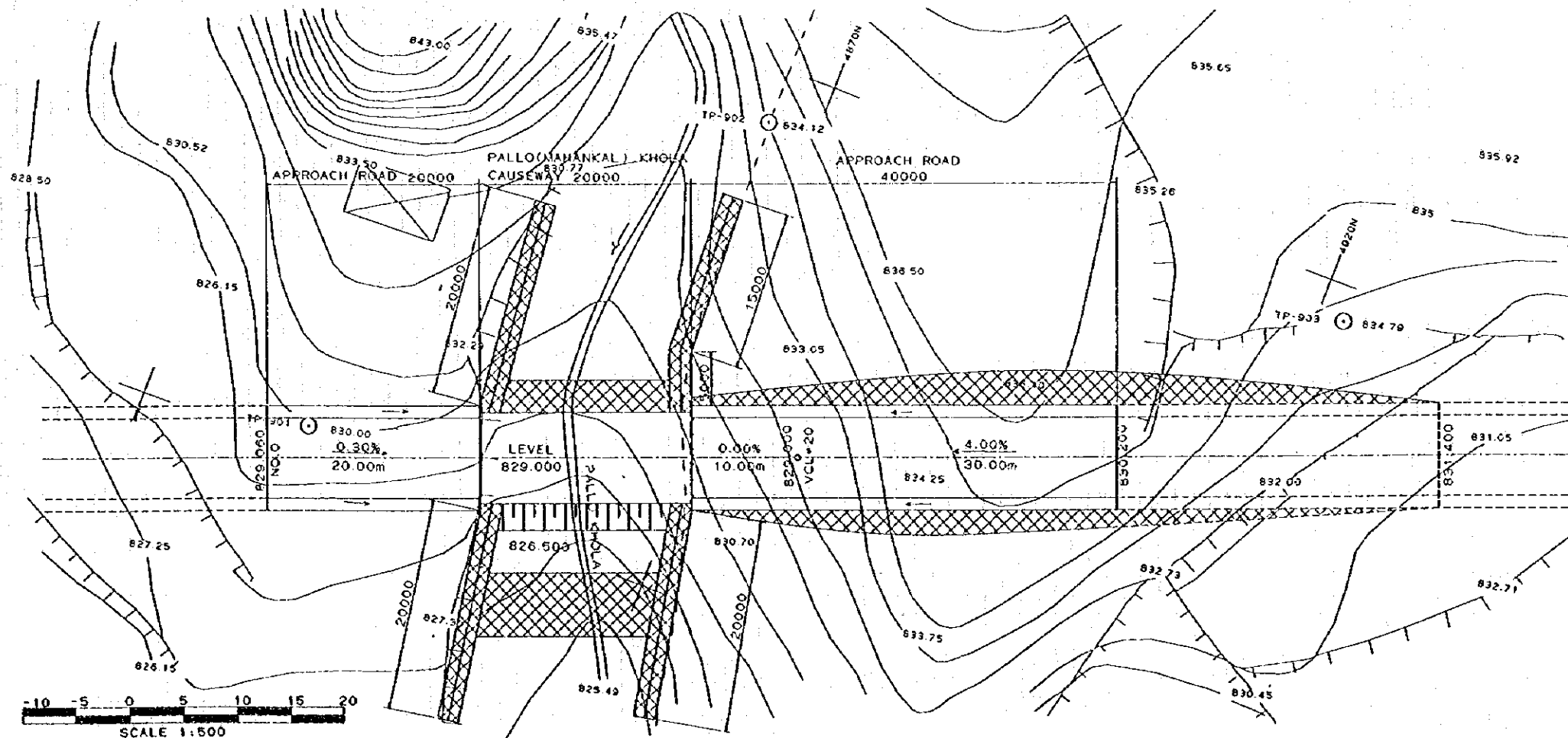
PROFILE SCALE 1:500



CROSS SECTION SCALE 1:200



PLAN SCALE 1:500



MATERIALS

ITEM	CLASS	UNIT	QUANTITY
EXCAVATION		m ³	1746.5
BACKFILL		m ³	117.6
CONCRETE WITH COBBLE		m ³	154.0
GABION	CAUSEWAY	m ³	280.0
PAVEMENT		m ³	22.5
BASE	CRUSHERRUN	m ²	390.0
SIDE DITCH		m	120.0
REINFORCEMENT BAR		t	2.3
GABION WALL	RIVER PROTECT	m ³	337.5

A-14 General Plan of Pallo khola Causeway