

SECTION VI APPENDICES

- Appendix 1. Benchmark Description Manggarai – Cikarang**
- Appendix 2. Traverse scheme Manggarai - Cikarang**
- Appendix 3. Levelling scheme Manggarai – Cikarang**
- Appendix 4. List of Track Elevations Manggarai –
Cikarang**
- Appendix 5. List of Track Coordinates Manggarai –
Cikarang**
- Appendix 6. Topographic Map Manggarai – Cikarang**

APPENDIX 1

BENCHMARK DESCRIPTION

PACIFIC CONSULTANTS INTERNATIONAL

BENCH MARK DESCRIPTION

Work : Double-Double Track Manggarai-Bekasi

Date : April 10, 2002

Client : PACIFIC CONSULTANTS INTERNATIONAL

Surveyor : Sargono

Measured by : PT. TIGENCO GRAHA PERSADA

Point : DTK459	COORDINATE		ELEVATION
	X = -712.766	Y = 4158.691	H = 13.366

SKETCH :

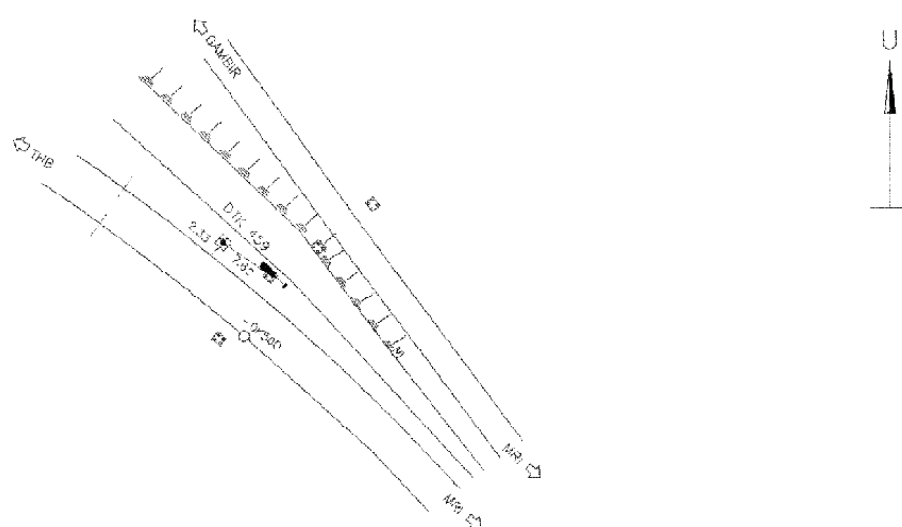


PHOTO :



PACIFIC CONSULTANTS INTERNATIONAL

BENCH MARK DESCRIPTION

Work : Double-Double Track Monggarci-Bekasi

Date : April 10, 2002

Client : PACIFIC CONSULTANTS INTERNATIONAL

Surveyor : Sargono

Measured by : PT. TIGENCO GRAHA PERSADA

Point : DTK231	COORDINATE		ELEVATION
	X = -990.775	Y = 4398.788	H = 13.542

SKETCH :

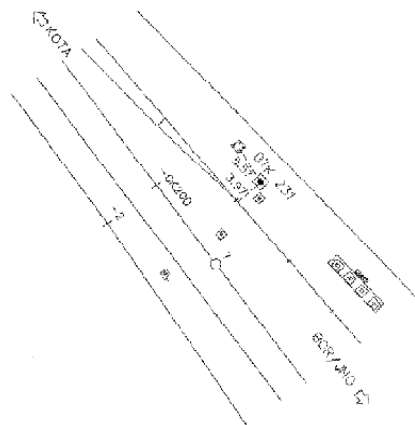


PHOTO :



PACIFIC CONSULTANTS INTERNATIONAL

BENCH MARK DESCRIPTION

Work : Double-Double Track Manggarai-Bekasi
 Client : PACIFIC CONSULTANTS INTERNATIONAL
 Measured by : PT. TIGENCO GRAHA PERSADA

Date : April 10, 2002
 Surveyor : Sargono

Point : TBM3M	COORDINATE		ELEVATION
	X = -1045.947	Y = 4462.407	H = 13.717

SKETCH :

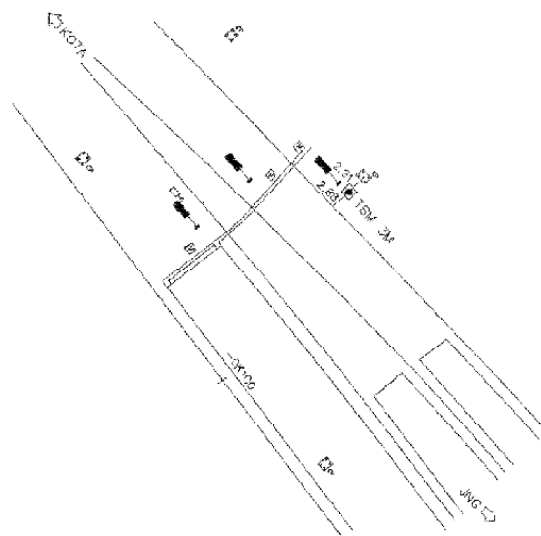


PHOTO :



PACIFIC CONSULTANTS INTERNATIONAL

BENCH MARK DESCRIPTION

Work : Double-Double Track Manggarai-Bekasi

Date : April 10, 2009

Client : PACIFIC CONSULTANTS INTERNATIONAL

Surveyor : Sargono

Measured by : PT. TIGENCO GRAHA PERSADA

Point : P1	COORDINATE		ELEVATION
	X = -1228.252	Y = 4589.780	H = 13.818

SKETCH :

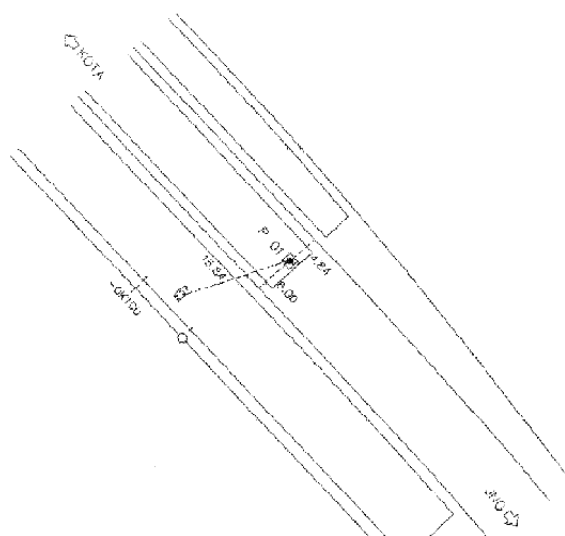


PHOTO :



PACIFIC CONSULTANTS INTERNATIONAL

BENCH MARK DESCRIPTION

Work : Double-Double Track Monggarai-Bekasi

Date : April 10, 2002

Client : PACIFIC CONSULTANTS INTERNATIONAL

Surveyor : Sargono

Measured by : PT. TIGENCO GRAHA PERSADA

Point : TBM13M	COORDINATE		ELEVATION
	X = -1476.540	Y = 4758.683	H = 14.304

SKETCH :

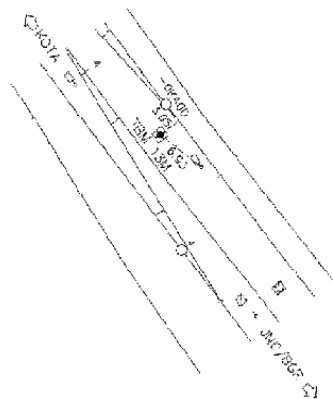


PHOTO :



PACIFIC CONSULTANTS INTERNATIONAL

BENCH MARK DESCRIPTION

Work : Double-Double Track Manggarai-Bekasi

Date : April 10, 2002

Client : PACIFIC CONSULTANTS INTERNATIONAL

Surveyor : Sargono

Measured by : PT. TIGENCO GRAHA PERSADA

Point : DTK224	COORDINATE		ELEVATION
	X = -1576.821	Y = 4863.899	H = 14.910

SKETCH :

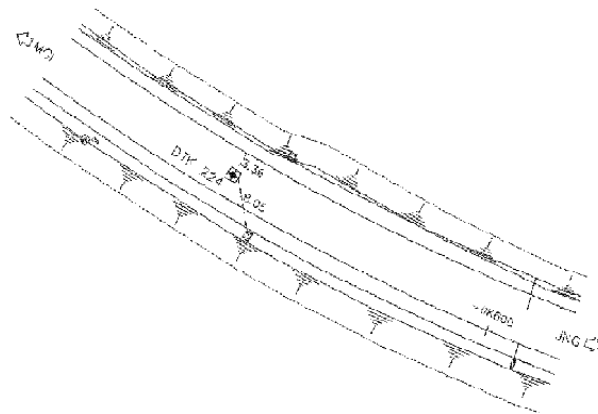


PHOTO :



PACIFIC CONSULTANTS INTERNATIONAL

BENCH MARK DESCRIPTION

Work : Double-Double Track Manggarai-Bekasi

Date : April 10, 2002

Client : PACIFIC CONSULTANTS INTERNATIONAL

Surveyor : Sargono

Measured by : PT. TIGENCO GRAHA PERSADA

Point : DTK223	COORDINATE		ELEVATION
	X = -1611.252	Y = 4953.271	H = 15.661

SKETCH :

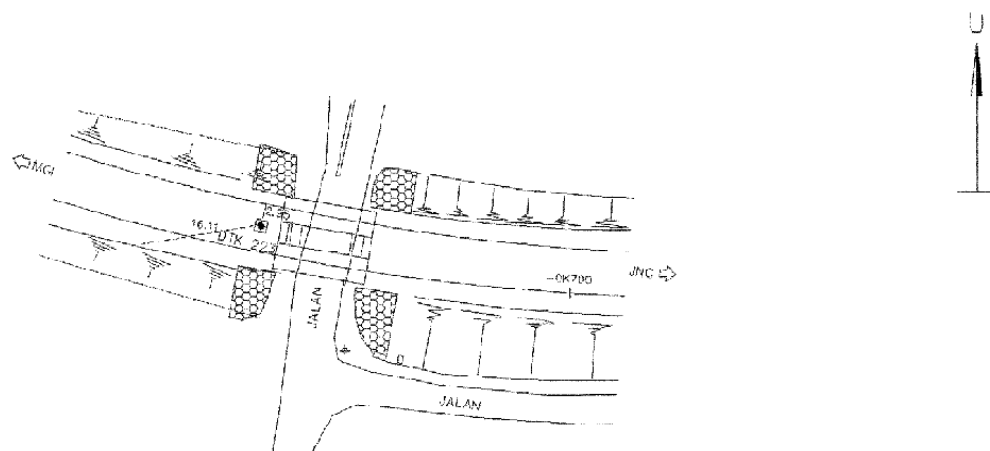


PHOTO :



PACIFIC CONSULTANTS INTERNATIONAL

BENCH MARK DESCRIPTION

Work : Double-Double Track Manggarai-Bekasi

Date : April 10, 2002

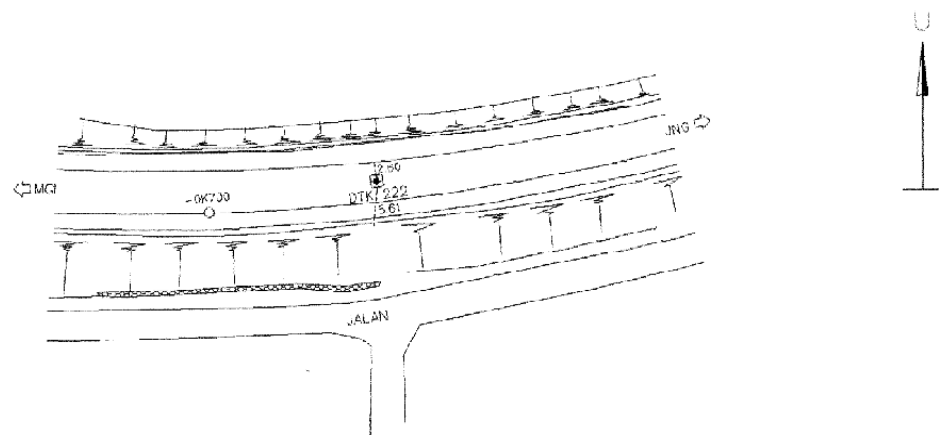
Client : PACIFIC CONSULTANTS INTERNATIONAL

Surveyor : Sargono

Measured by : PT. TIGENCO GRAHA PERSADA

Point : DTK222	COORDINATE		ELEVATION
	X = -1616.514	Y = 5044.700	H = 16.150

SKETCH :



P-OTO :



PACIFIC CONSULTANTS INTERNATIONAL

BENCH MARK DESCRIPTION

Work : Double-Double Track Manggarai-Bekasi

Date : April 10, 2002

Client : PACIFIC CONSULTANTS INTERNATIONAL

Surveyor : Sargoro

Measured by : PT. TIGENCO GRAHA PERSADA

Point : DTK220	COORDINATE		ELEVATION
	X = -1573.524	Y = 5181.983	H = 16.860

SKETCH :

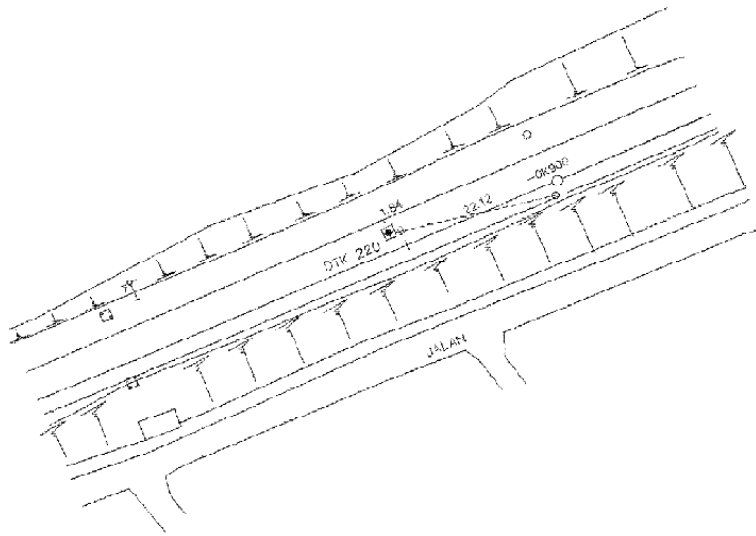


PHOTO :



PACIFIC CONSULTANTS INTERNATIONAL

BENCH MARK DESCRIPTION

Work : Double-Double Track Manggarai-Bekasi

Date : April 10, 2002

Client : PACIFIC CONSULTANTS INTERNATIONAL

Surveyor : Sargono

Measured by : PT. TIGENCO GRAHA PERSADA

Point : DIK219	COORDINATE		ELEVATION
	X = -1516.552	Y = 5315.961	H = 17.504

SKETCH :

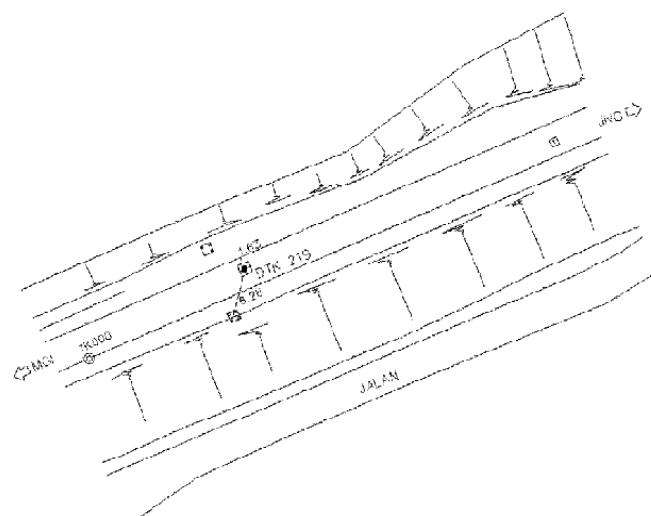


PHOTO :



PACIFIC CONSULTANTS INTERNATIONAL

BENCH MARK DESCRIPTION

Work : Double-Double Track Manggarai-Bekasi

Date : April 10, 2002

Client : PACIFIC CONSULTANTS INTERNATIONAL

Surveyor : Sargono

Measured by : PT. TIGENCO GRAHA PERSADA

Point : DTK216	COORDINATE		ELEVATION
	X = -1364.567	Y = 5676.546	H = 19.779

SKETCH :

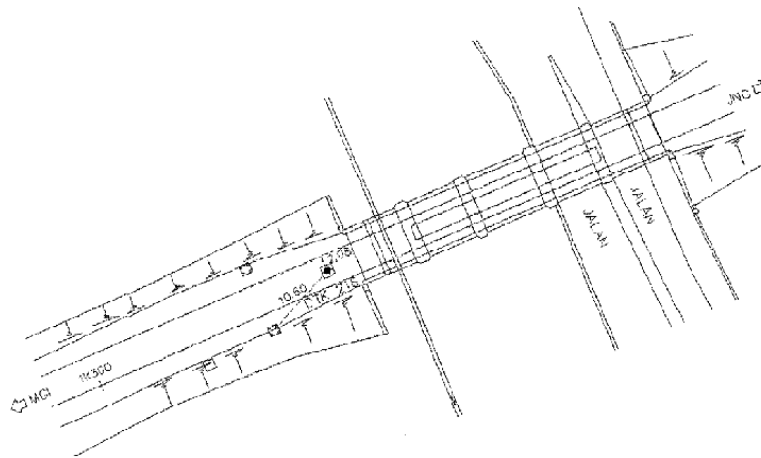


PHOTO :



PACIFIC CONSULTANTS INTERNATIONAL

BENCH MARK DESCRIPTION

Work : Double-Double Track Manggarai-Bekasi
Client : PACIFIC CONSULTANTS INTERNATIONAL
Measured by : PT. TIGENCO GRAHA PERSADA

Date : April 10, 2002
Surveyor : Sargono

Point : DTK215	COORDINATE		ELEVATION
	X = -1316.038	Y = 5791.886	H = 19.166

SKETCH :

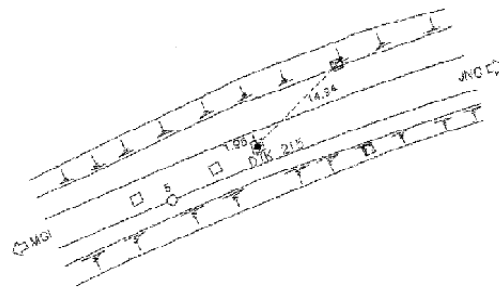


PHOTO :



PACIFIC CONSULTANTS INTERNATIONAL

BENCH MARK DESCRIPTION

Work : Double-Double Track Manggarai-Bekasi

Date : April 10, 2002

Client : PACIFIC CONSULTANTS INTERNATIONAL

Surveyor : Sargono

Measured by : PT. TIGENCO GRAHA PERSADA

Point : DTK214	COORDINATE		ELEVATION
	X = -1297.503	Y = 5866.008	H = 18.711

SKETCH :

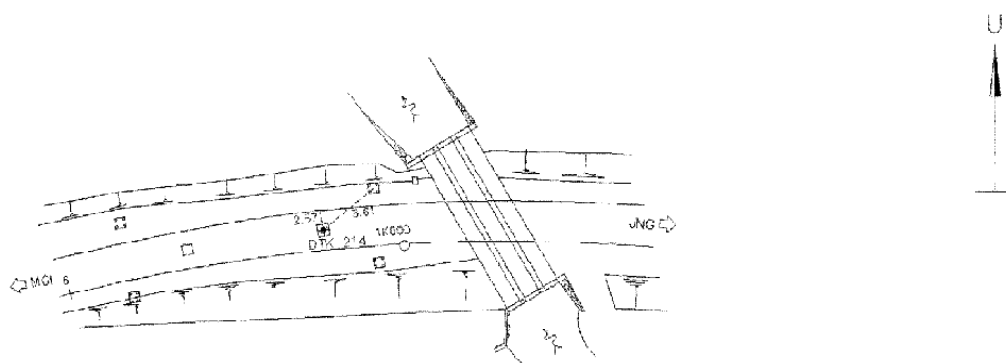


PHOTO :



PACIFIC CONSULTANTS INTERNATIONAL

BENCH MARK DESCRIPTION

Work : Double-Double Track Manggarai-Bekasi

Date : April 10, 2002

Client : PACIFIC CONSULTANTS INTERNATIONAL

Surveyor : Sargono

Measured by : PT. TIGENCO GRAHA PERSADA

Point : DTK213	COORDINATE		ELEVATION
	X = -1304.474	Y = 5952.297	II = 18.298

SKETCH :

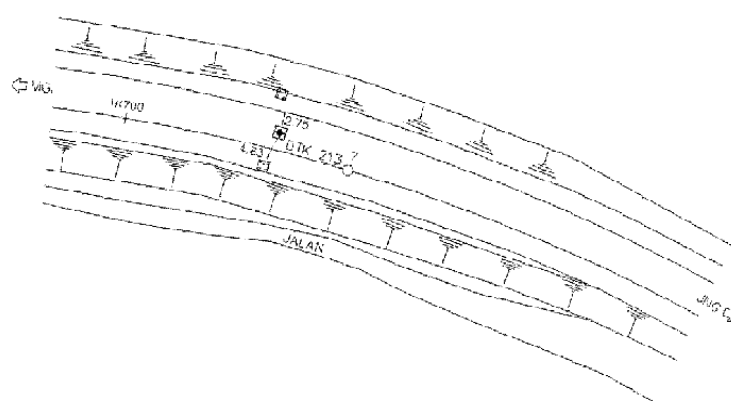


PHOTO :



PACIFIC CONSULTANTS INTERNATIONAL

BENCH MARK DESCRIPTION

Work : Double-Double Track Manggarai-Bekasi
Client : PACIFIC CONSULTANTS INTERNATIONAL
Measured by : PT. TIGENCO GRAHA PERSADA

Date : April 10, 2002
Surveyor : Sargono

Point : P2	COORDINATE		ELEVATION
	X = -1546.457	Y = 6047.171	H = 17.456

SKETCH :

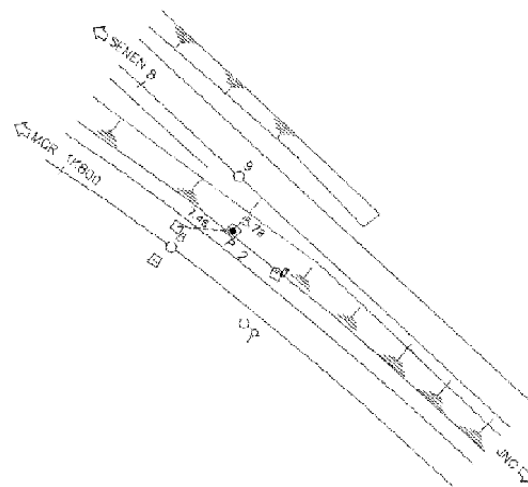


PHOTO :

