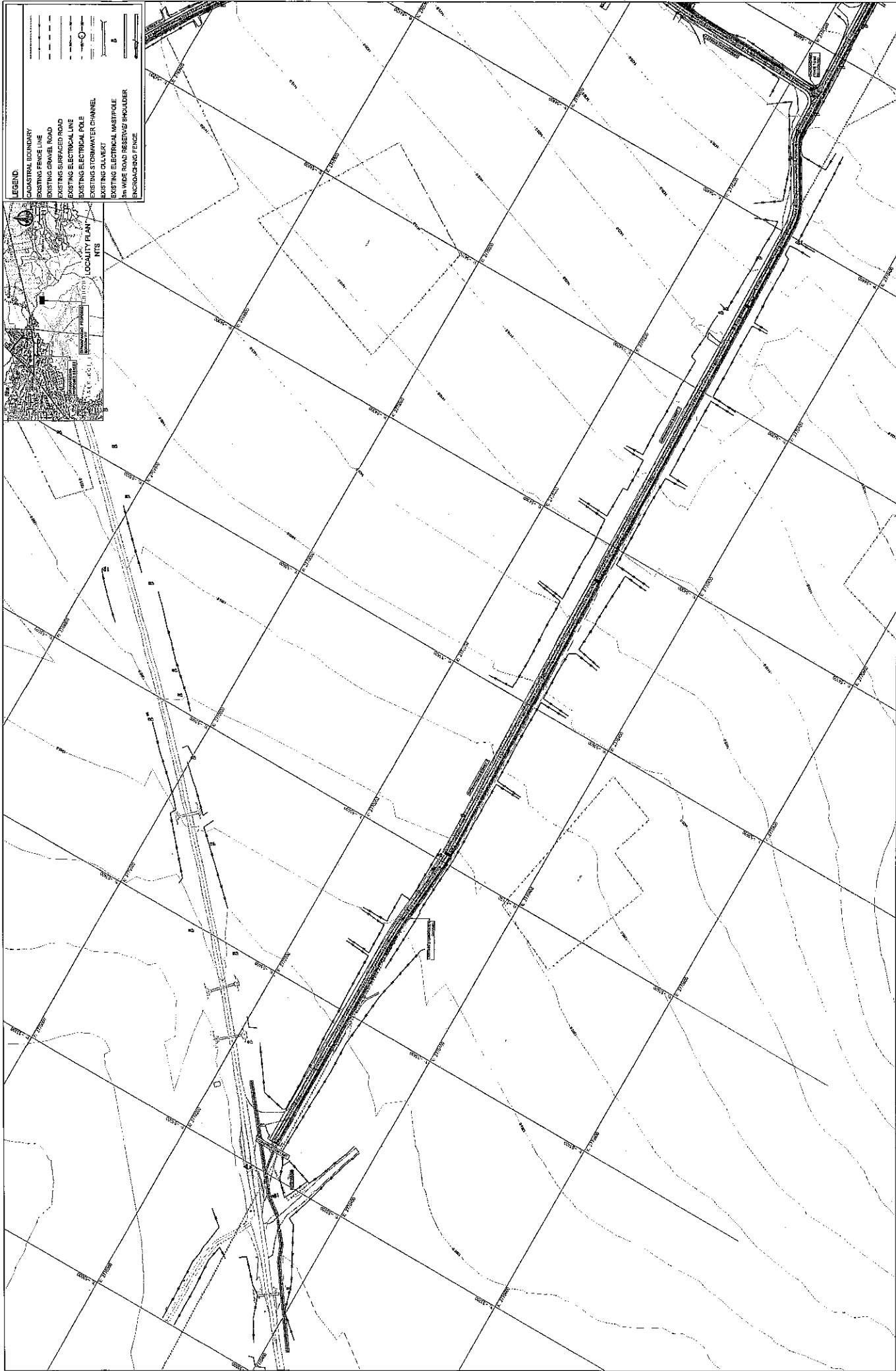
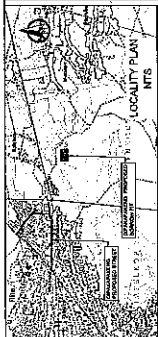


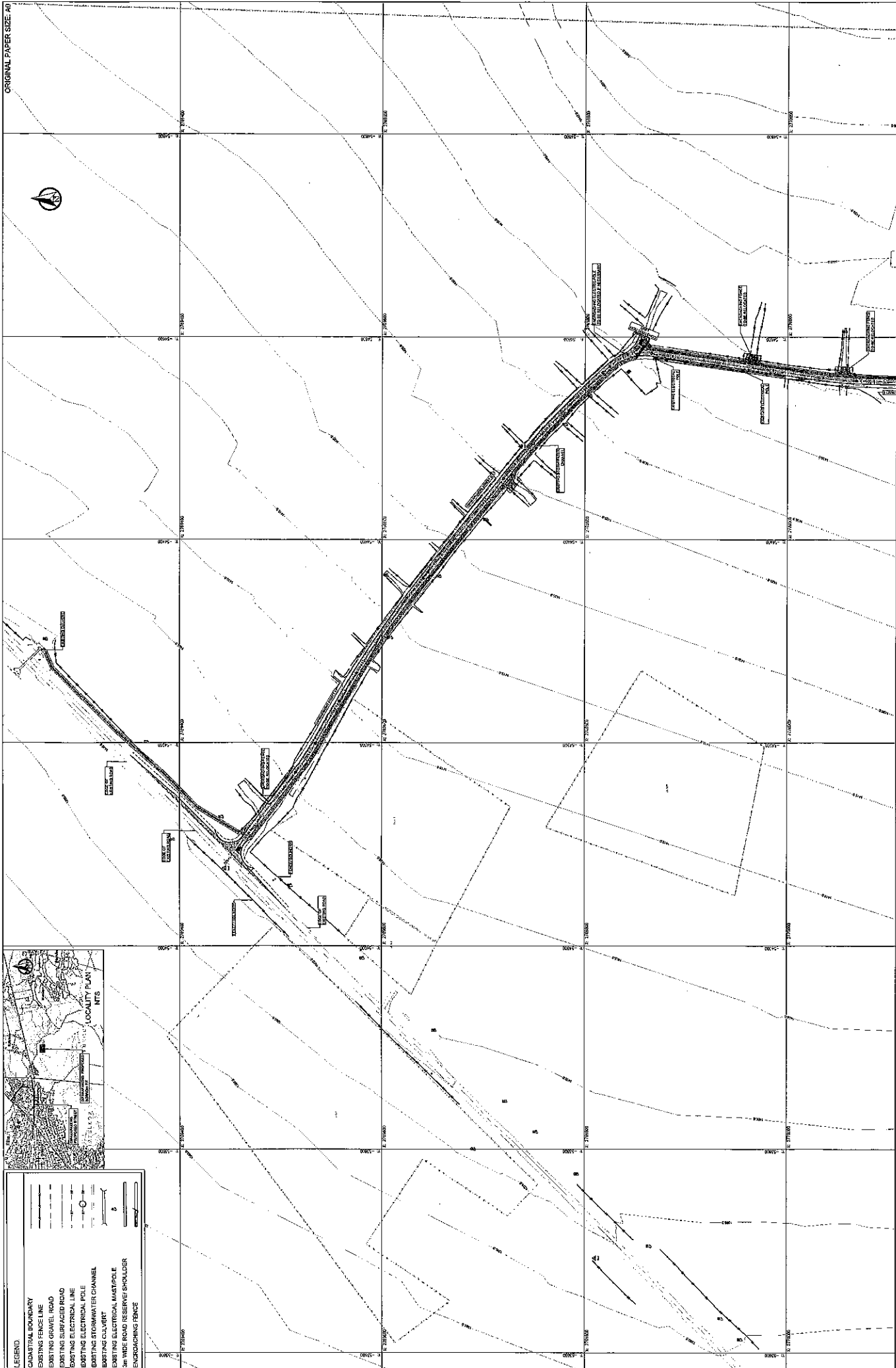
LEGEND:

---	COASTAL BOUNDARY
---	EXISTING FENCE LINE
---	EXISTING GRAVEL ROAD
---	EXISTING SURFACED ROAD
---	EXISTING ELECTRICAL LINE
---	EXISTING ELECTRICAL POLE
---	EXISTING STORMWATER CHANNEL
---	EXISTING CULVERT
---	EXISTING ELECTRICAL MAST/POLE
---	10m WIDE ROAD RESERVE/SHOULDER
---	ENCROACHING FENCE

DESIGNED BY: RALEMA CONSULTING ENGINEERS		PROJECT TITLE: ELIAS MOTSOLEDI LOCAL MUNICIPALITY		CLIENT: ELIAS MOTSOLEDI LOCAL MUNICIPALITY		CORRECTED NO.: 0001		SHEET: 1 OF 2		SCALE: 1:1000		TYPE OF PLANNING STATUS: 1	
RALEMA CONSULTING ENGINEERS		UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		PROJECT TITLE: UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		CORRECTED NO.: 0001		SHEET: 1 OF 2		SCALE: 1:1000		TYPE OF PLANNING STATUS: 1	
RALEMA CONSULTING ENGINEERS		UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		PROJECT TITLE: UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		CORRECTED NO.: 0001		SHEET: 1 OF 2		SCALE: 1:1000		TYPE OF PLANNING STATUS: 1	
RALEMA CONSULTING ENGINEERS		UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		PROJECT TITLE: UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		CORRECTED NO.: 0001		SHEET: 1 OF 2		SCALE: 1:1000		TYPE OF PLANNING STATUS: 1	
RALEMA CONSULTING ENGINEERS		UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		PROJECT TITLE: UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		CORRECTED NO.: 0001		SHEET: 1 OF 2		SCALE: 1:1000		TYPE OF PLANNING STATUS: 1	
RALEMA CONSULTING ENGINEERS		UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		PROJECT TITLE: UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		CORRECTED NO.: 0001		SHEET: 1 OF 2		SCALE: 1:1000		TYPE OF PLANNING STATUS: 1	
RALEMA CONSULTING ENGINEERS		UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		PROJECT TITLE: UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		CORRECTED NO.: 0001		SHEET: 1 OF 2		SCALE: 1:1000		TYPE OF PLANNING STATUS: 1	
RALEMA CONSULTING ENGINEERS		UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		PROJECT TITLE: UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		CORRECTED NO.: 0001		SHEET: 1 OF 2		SCALE: 1:1000		TYPE OF PLANNING STATUS: 1	
RALEMA CONSULTING ENGINEERS		UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		PROJECT TITLE: UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		CORRECTED NO.: 0001		SHEET: 1 OF 2		SCALE: 1:1000		TYPE OF PLANNING STATUS: 1	
RALEMA CONSULTING ENGINEERS		UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		PROJECT TITLE: UPGRADING OF DIPAKAPENG ACCESS ROAD AND STORM WATER CONTROL		CORRECTED NO.:							



LEGEND	
	BOUNDARY LINE
	EXISTING FENCE LINE
	EXISTING GRAVEL ROAD
	EXISTING SURFACED ROAD
	EXISTING ELECTRICAL POLE
	EXISTING STORMWATER CHANNEL
	EXISTING CULVERT
	EXISTING ELECTRICAL MASTPOLE
	WIDE ROAD RESERVE SHOULDER
	END-OF-ROAD FENCE



CLIENT ADDRESS ELIAS MOTSOLEDI LOCAL MUNICIPALITY 111000 111000 111000		CONTRACT NO. 111000	SHEET 2 OF 2
PROJECT TITLE UPGRADING OF DIPAKAPAKING ACCESS ROAD AND STORM WATER CONTROL		REVISIONS 0 RCE 73, EML AL, EML 2, J2	
CLIENT ADDRESS 111000 111000 111000		CONTRACT NO. 111000	
PROJECT TITLE UPGRADING OF DIPAKAPAKING ACCESS ROAD AND STORM WATER CONTROL		REVISIONS 0 RCE 73, EML AL, EML 2, J2	
CLIENT ADDRESS 111000 111000 111000		CONTRACT NO. 111000	
PROJECT TITLE UPGRADING OF DIPAKAPAKING ACCESS ROAD AND STORM WATER CONTROL		REVISIONS 0 RCE 73, EML AL, EML 2, J2	
CLIENT ADDRESS 111000 111000 111000		CONTRACT NO. 111000	
PROJECT TITLE UPGRADING OF DIPAKAPAKING ACCESS ROAD AND STORM WATER CONTROL		REVISIONS 0 RCE 73, EML AL, EML 2, J2	
CLIENT ADDRESS 111000 111000 111000		CONTRACT NO. 111000	
PROJECT TITLE UPGRADING OF DIPAKAPAKING ACCESS ROAD AND STORM WATER CONTROL		REVISIONS 0 RCE 73, EML AL, EML 2, J2	
CLIENT ADDRESS 111000 111000 111000		CONTRACT NO. 111000	
PROJECT TITLE UPGRADING OF DIPAKAPAKING ACCESS ROAD AND STORM WATER CONTROL		REVISIONS 0 RCE 73, EML AL, EML 2, J2	
CLIENT ADDRESS 111000 111000 111000		CONTRACT NO. 111000	
PROJECT TITLE UPGRADING OF DIPAKAPAKING ACCESS ROAD AND STORM WATER CONTROL		REVISIONS 0 RCE 73, EML AL, EML 2, J2	
CLIENT ADDRESS 111000 111000 			

ORIGINAL PAPER SIZE A0

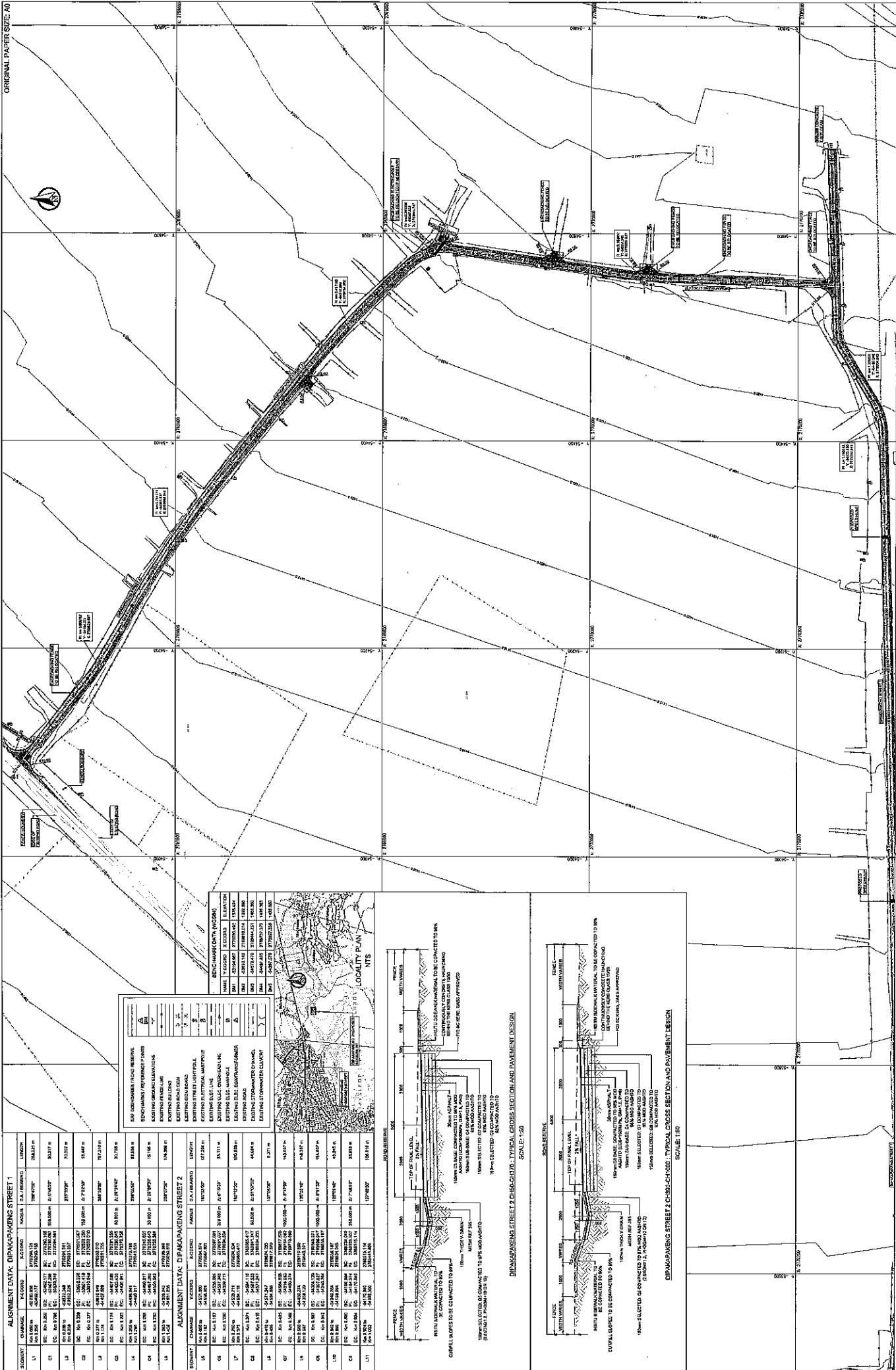


ALIGNMENT DATA: DIPAKAPENG STREET 1				
STATION	CHANGING	TO	FROM	LENGTH
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1+100	277000.00	277000.00	277000.00	0.00
1+200	277000.00	277000.00	277000.00	0.00
1+300	277000.00	277000.00	277000.00	0.00
1+400	277000.00	277000.00	277000.00	0.00
1+500	277000.00	277000.00	277000.00	0.00
1+600	277000.00	277000.00	277000.00	0.00
1+700	277000.00	277000.00	277000.00	0.00
1+800	277000.00	277000.00	277000.00	0.00
1+900	277000.00	277000.00	277000.00	0.00
1+1000	277000.00	277000.00	277000.00	0.00

ALIGNMENT DATA: DIPAKAPENG STREET 2				
STATION	CHANGING	TO	FROM	LENGTH
2+00	277000.00	277000.00	277000.00	0.00
2+100	277000.00	277000.00	277000.00	0.00
2+200	277000.00	277000.00	277000.00	0.00
2+300	277000.00	277000.00	277000.00	0.00
2+400	277000.00	277000.00	277000.00	0.00
2+500	277000.00	277000.00	277000.00	0.00
2+600	277000.00	277000.00	277000.00	0.00
2+700	277000.00	277000.00	277000.00	0.00
2+800	277000.00	277000.00	277000.00	0.00
2+900	277000.00	277000.00	277000.00	0.00
2+1000	277000.00	277000.00	277000.00	0.00

BENCHMARK DATA (NGS84)	
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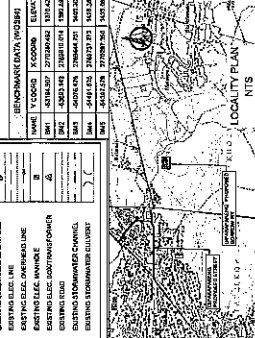
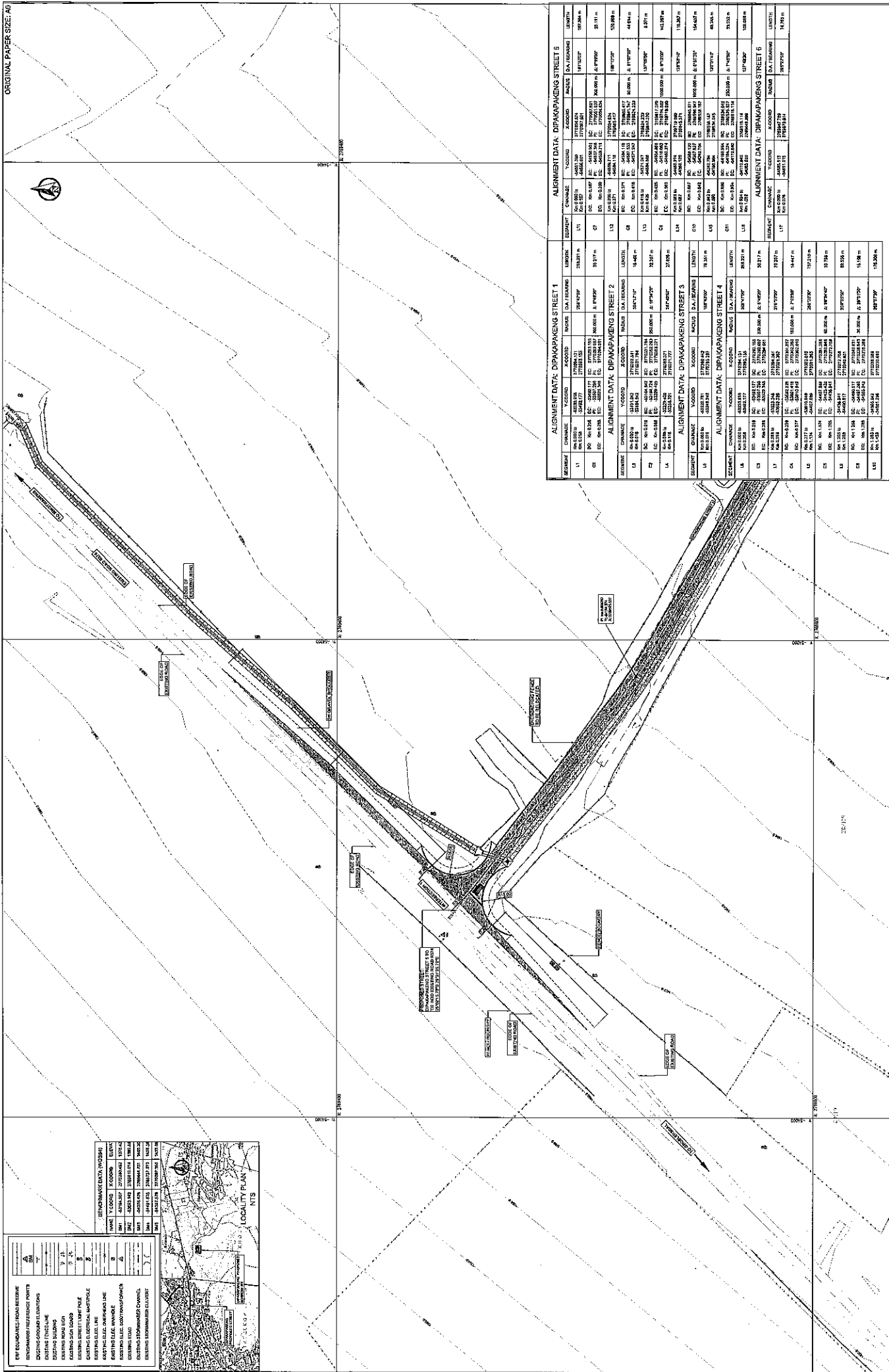


LOCALITY PLAN

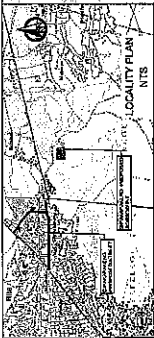
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3	271000	271000	271000	271000	3
4	271000	271000	271000	271000	4
5	271000	271000	271000	271000	5
6	271000	271000	271000	271000	6
7	271000	271000	271000	271000	7
8	271000	271000	271000	271000	8
9	271000	271000	271000	271000	9
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ALIGNMENT DATA: DIPANAPENG STREET 1

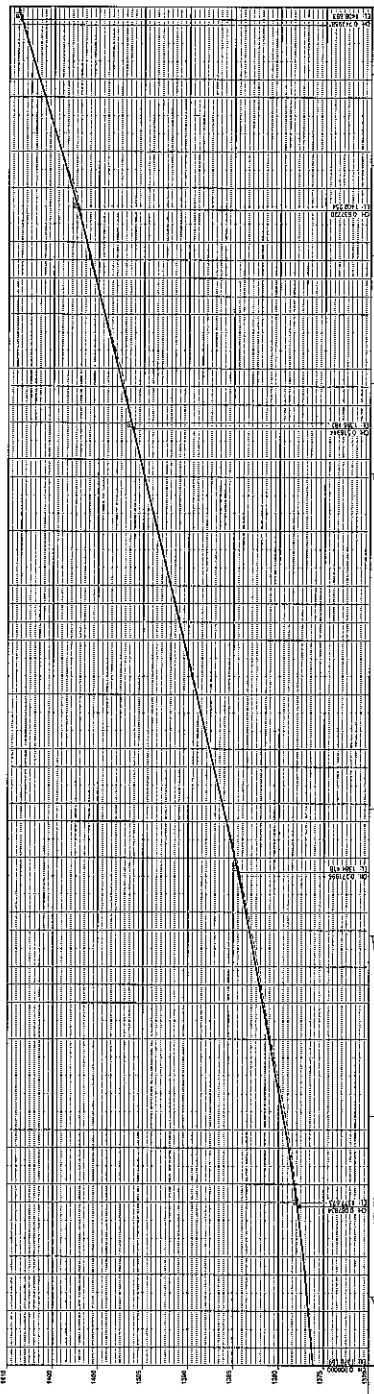
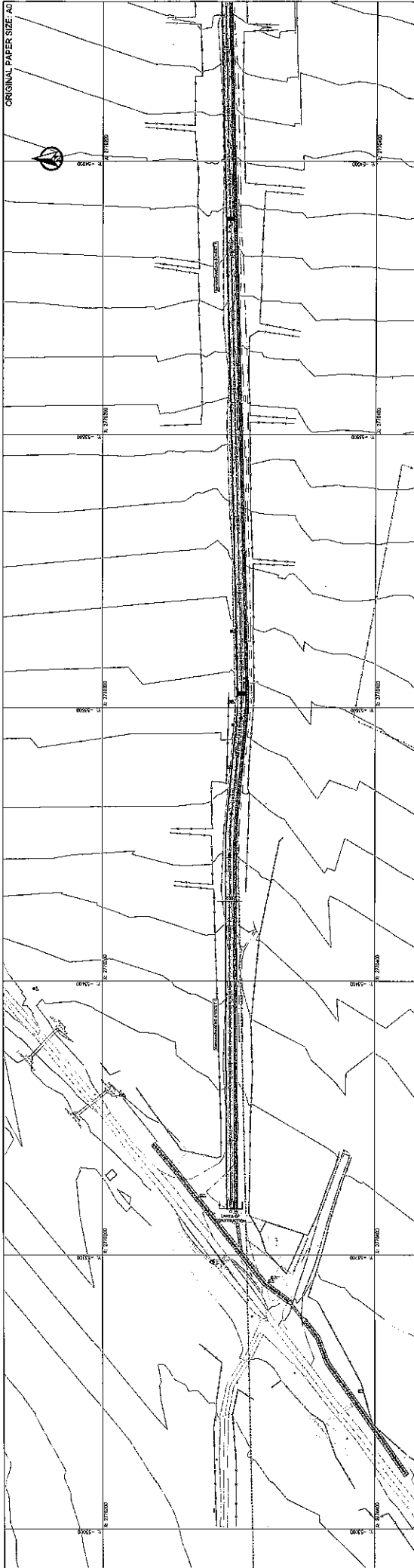
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1+00	1	271000	1+50	1	271000
1+50	1	271000	2+00	1	271000
2+00	1	271000	2+50	1	271000
2+50	1	271000	3+00	1	271000
3+00	1	271000	3+50	1	271000
3+50	1	271000	4+00	1	271000
4+00	1	271000	4+50	1	271000
4+50	1	271000	5+00	1	271000
5+00	1	271000	5+50	1	271000
5+50	1	271000	6+00	1	271000
6+00	1	271000	6+50	1	271000
6+50	1	271000	7+00	1	271000
7+00	1	271000	7+50	1	271000
7+50	1	271000	8+00	1	271000
8+00	1				



ALIGNMENT DATA: DIPAKPAKENG STREET 1									
STATION	CHANGING	Y-COORD	X-COORD	DA (FEET)	DA (METERS)	LENGTH	WIDTH	GRADE	STATUS
1.1	EC	4458.11	277081.11	27.00	8.23	33.7	10.0	1.0000	EXISTING
1.2	EC	4458.11	277081.11	27.00	8.23	33.7	10.0	1.0000	EXISTING
1.3	EC	4458.11	277081.11	27.00	8.23	33.7	10.0	1.0000	EXISTING
1.4	EC	4458.11	277081.11	27.00	8.23	33.7	10.0	1.0000	EXISTING
1.5	EC	4458.11	277081.11	27.00	8.23	33.7	10.0	1.0000	EXISTING
1.6	EC	4458.11	277081.11	27.00	8.23	33.7	10.0	1.0000	EXISTING
1.7	EC	4458.11	277081.11	27.00	8.23	33.7	10.0	1.0000	EXISTING
1.8	EC	4458.11	277081.11	27.00	8.23	33.7	10.0	1.0000	EXISTING
1.9	EC	4458.11	277081.11	27.00	8.23	33.7	10.0	1.0000	EXISTING
2.0	EC	4458.11	277081.11	27.00	8.23	33.7	10.0	1.0000	EXISTING
2.1	EC	4458.11	277081.11	27.00	8.23	33.7	10.0	1.0000	EXISTING
2.2	EC	4458.11	277081.11	27.00	8.23	33.7	10.0	1.0000	EXISTING
2.3	EC	4458.11	277081.11	27.00	8.23	33.7	10.0	1.0000	EXISTING
2.4	EC	4458.11	277081.11	27.00	8.23	33.7	10.0	1.0000	EXISTING
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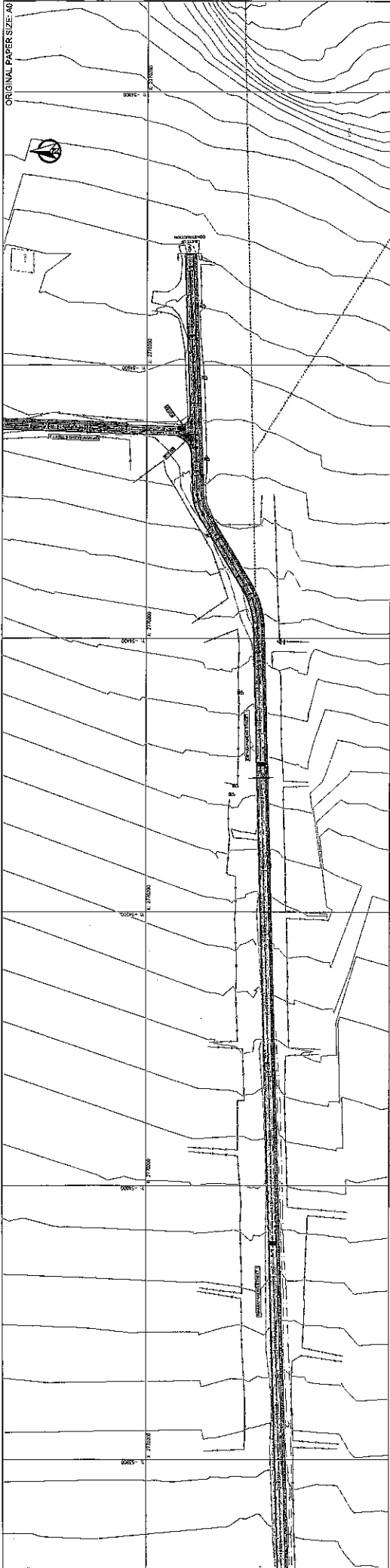
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LOCALITY AND LAYOUT PLAN	
DRAWING NUMBER	DESCRIPTION
ELIAS MOTSOALE LOCAL MUNICIPALITY	UPGRADING OF DIPAKAPAKENG ACCESS ROAD AND STORM WATER CONTROL
PLAN 1	LOCALITY PLAN NTS
PLAN 2	LOCALITY PLAN NTS
PLAN 3	LOCALITY PLAN NTS
PLAN 4	LOCALITY PLAN NTS
PLAN 5	LOCALITY PLAN NTS
PLAN 6	LOCALITY PLAN NTS
PLAN 7	LOCALITY PLAN NTS
PLAN 8	LOCALITY PLAN NTS
PLAN 9	LOCALITY PLAN NTS
PLAN 10	LOCALITY PLAN NTS
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PLAN 13	LOCALITY PLAN NTS
PLAN 14	LOCALITY PLAN NTS
PLAN 15	LOCALITY PLAN NTS
PLAN 16	LOCALITY PLAN NTS
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PLAN 35	LOCALITY PLAN NTS
PLAN 36	LOCALITY PLAN NTS
PLAN 37	LOCALITY PLAN NTS
PLAN 38	LOCALITY PLAN NTS
PLAN 39	LOCALITY PLAN NTS
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PLAN 78	LOCALITY PLAN NTS

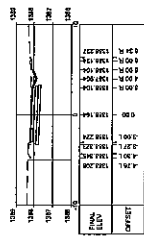


SCALE: HORIZONTAL 1:200
VERTICAL 1:200
DIPAKAPENG STREET 1
DATE: 12/01/2017

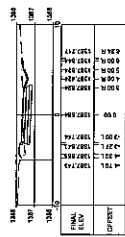
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	FINAL	LEFT	ON CL	RIGHT	GROUND LEVELS AT GRADE LINE	KILOMETER DISTANCE
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2	122.720	122.720	122.720	122.720	122.720	0.000
3	122.720	122.720	122.720	122.720	122.720	0.000
4	122.720	122.720	122.720	122.720	122.720	0.000
5	122.720	122.720	122.720	122.720	122.720	0.000
6	122.720	122.720	122.720	122.720	122.720	0.000
7	122.720	122.720	122.720	122.720	122.720	0.000
8	122.720	122.720	122.720	122.720	122.720	0.000
9	122.720	122.720	122.720	122.720	122.720	0.000
10	122.720	122.720	122.720	122.720	122.720	0.000
11	122.720	122.720	122.720	122.720	122.720	0.000
12	122.720	122.720	122.720	122.720	122.720	0.000
13	122.720	122.720	122.720	122.720	122.720	0.000
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19						

ORIGINAL PAPER SIZE: A0

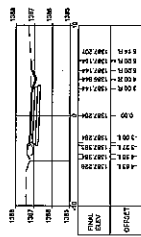




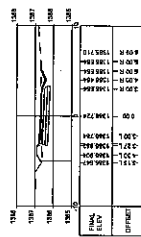
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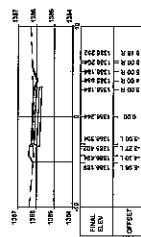
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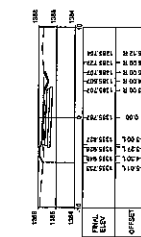
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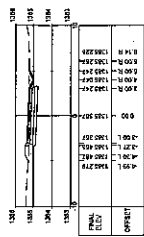
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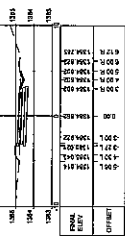
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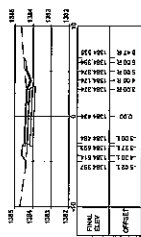
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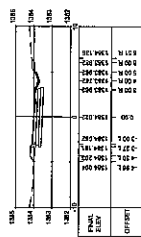
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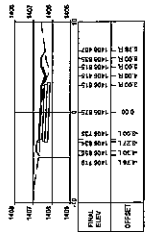


km 0.280

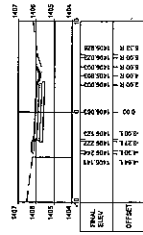


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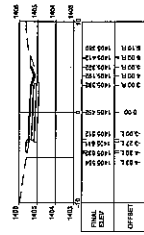




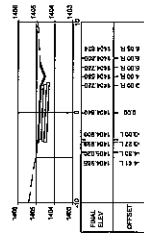
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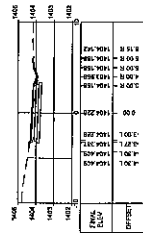
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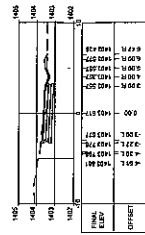
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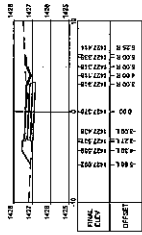


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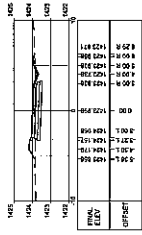


km 0.710

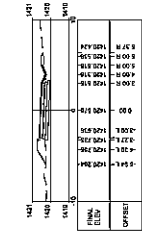


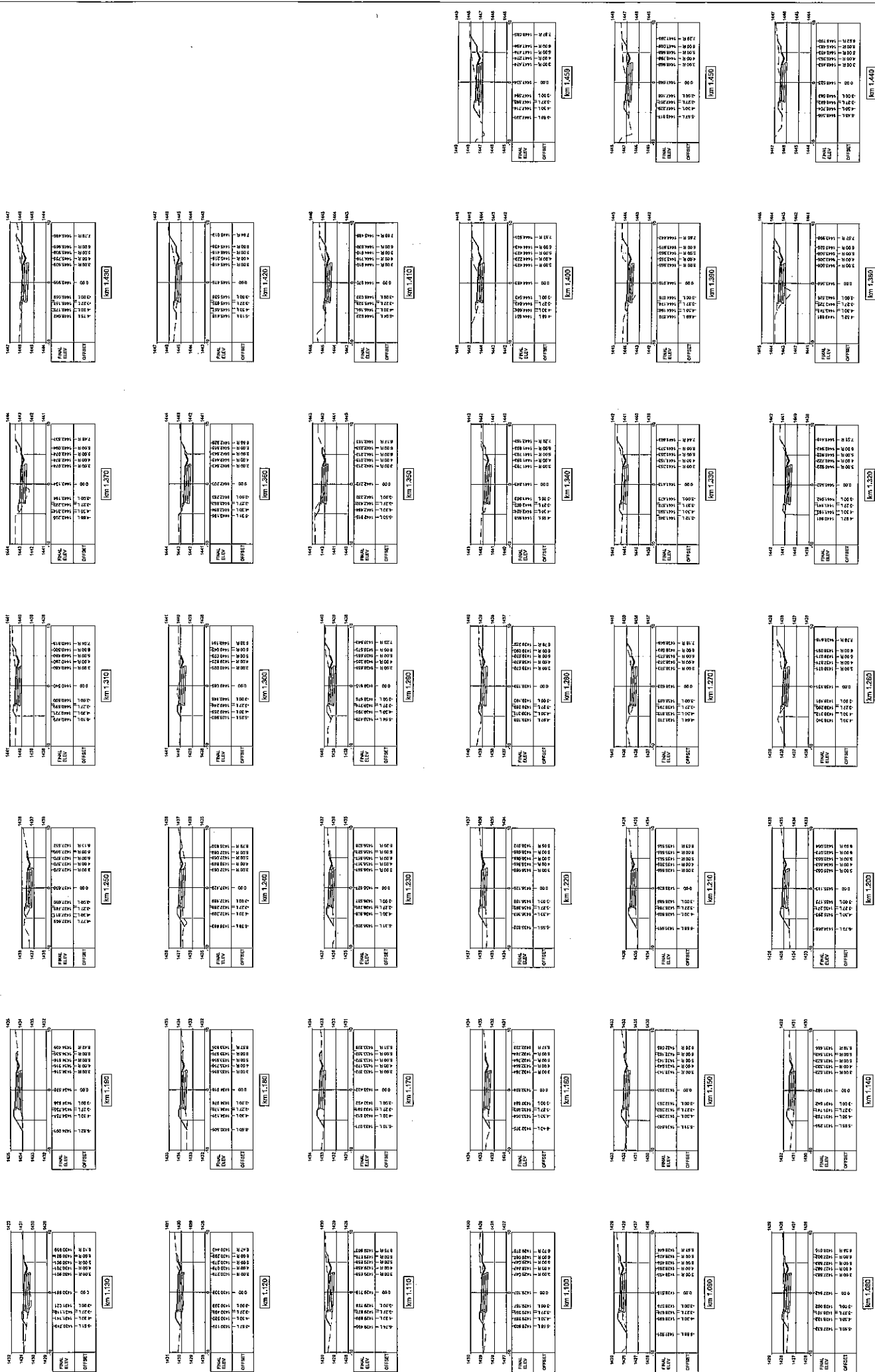


km 1.071

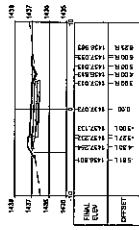


km 1.070

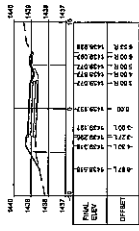




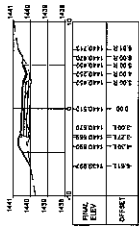
DESIGNED BY: RALEMA CONSULTING ENGINEERS RALEMA CONSULTING ENGINEERS 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337	
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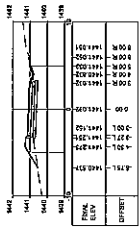
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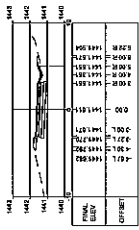
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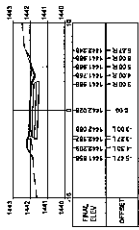
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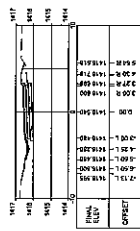


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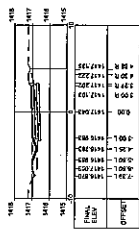


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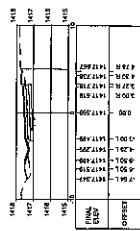




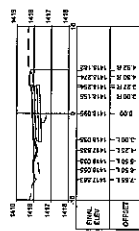
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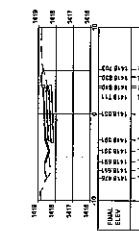
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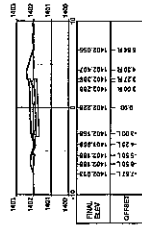


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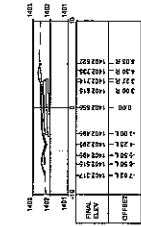


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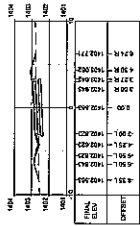




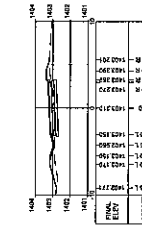
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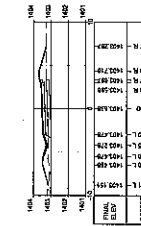
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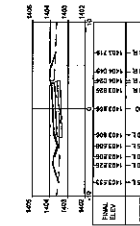
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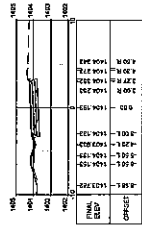
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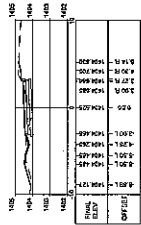
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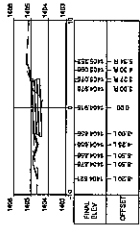
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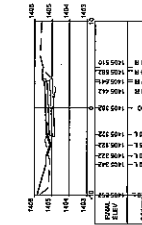
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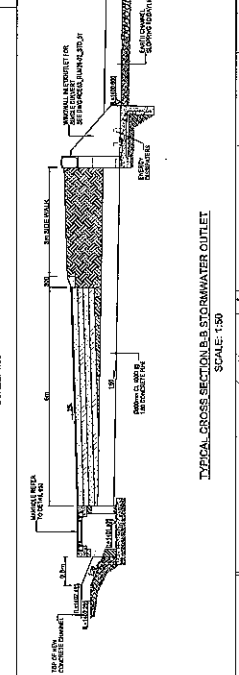
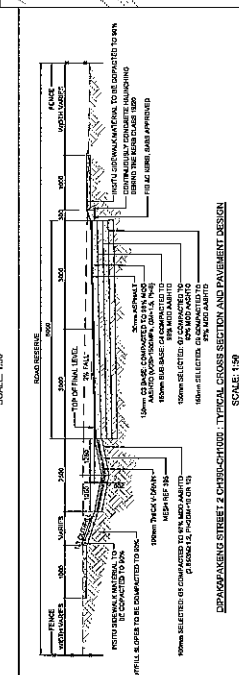
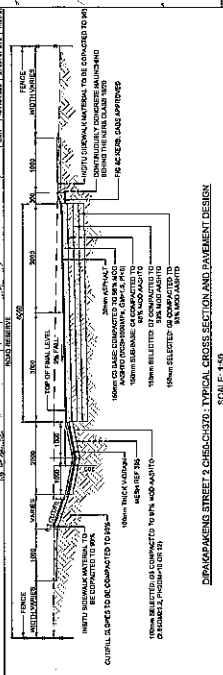
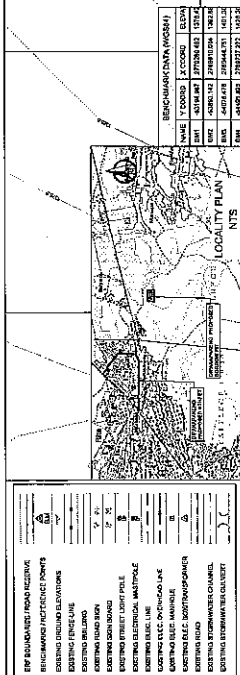
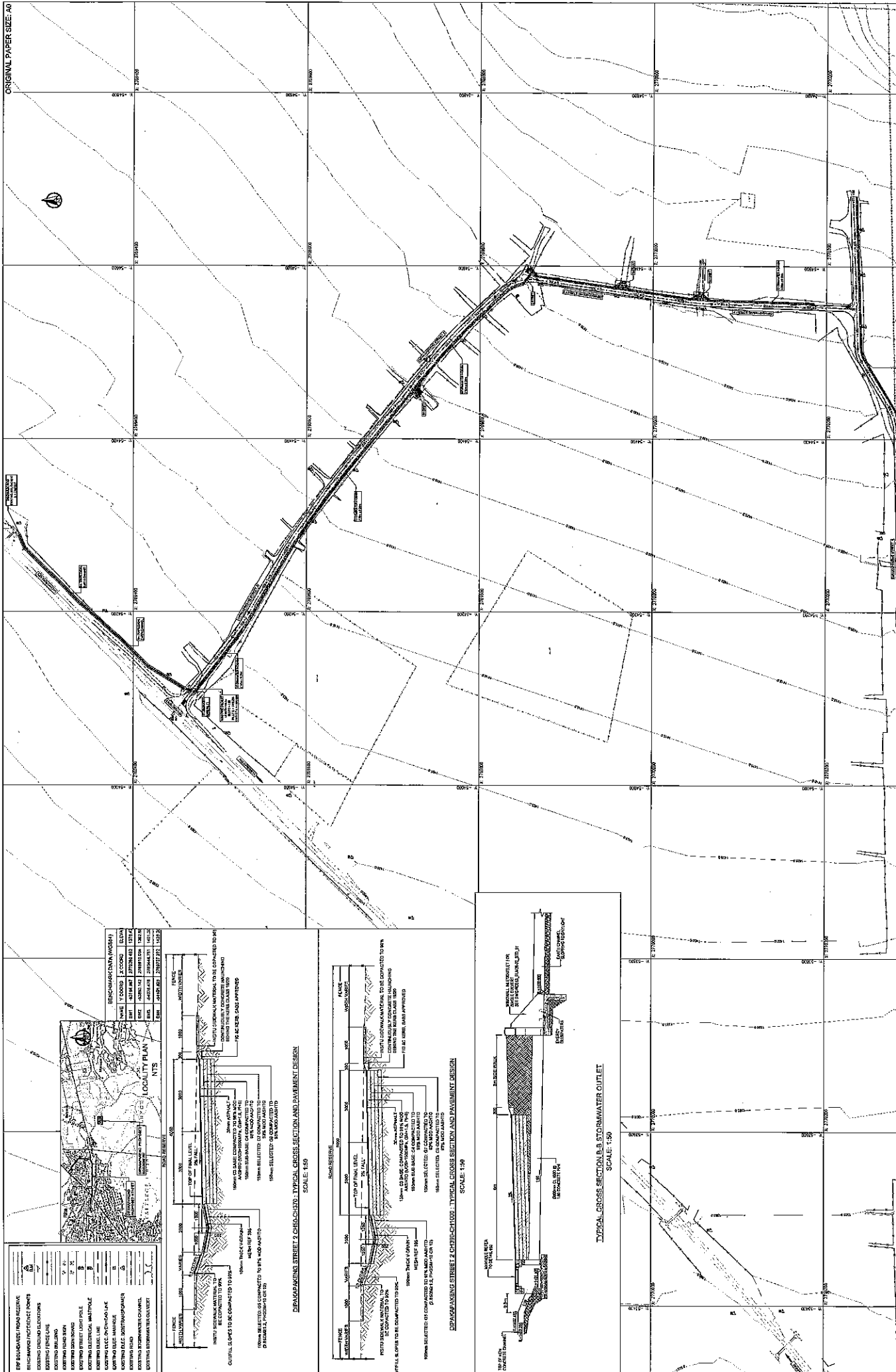
Sta 1+035.00



Sta 1+040.00



ORIGINAL PAPER SIZE: A0



CLIENT ADDRESS		CLIENT		CONTRACT No.		SHEET		SCALE		TYPES OF PLANNING STATUS	
RALEMA CONSULTING ENGINEERS		ELIAS MOTSOALEDI LOCAL MUNICIPALITY		1/1000		2 OF 2		1:1000		O Approved C Cancelled R Rejected	
DESIGNED BY: RALEMA CONSULTING ENGINEERS		PROJECT TITLE		DATE		REVISED BY		REVISED DATE		REVISION	
DESIGNED BY: RALEMA CONSULTING ENGINEERS		UPGRADING OF DIPAKPAWENG ACCESS ROAD AND STORM WATER CONTROL		1/1000		1/1000		1/1000		1/1000	
DESIGNED BY: RALEMA CONSULTING ENGINEERS		DRAWING TITLE		DATE		REVISED BY		REVISED DATE		REVISION	
DESIGNED BY: RALEMA CONSULTING ENGINEERS		DIPAKPAWENG STREETS - STORMWATER LAYOUT PLAN		1/1000		1/1000		1/1000		1/1000	

