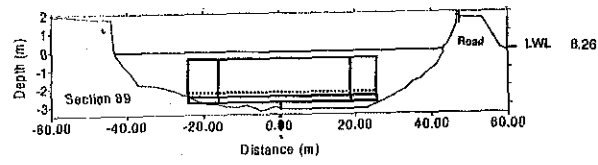
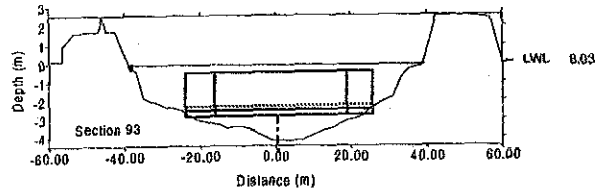


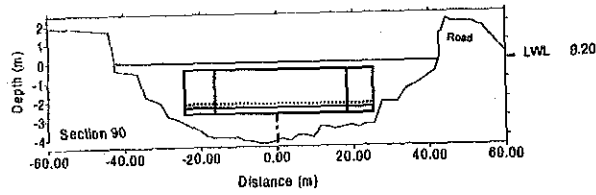
A11.2-17



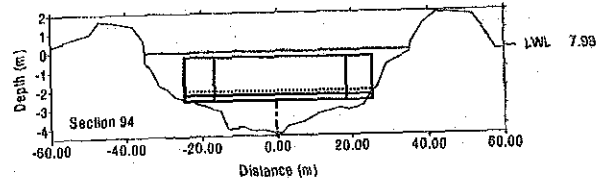
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582670.1 E



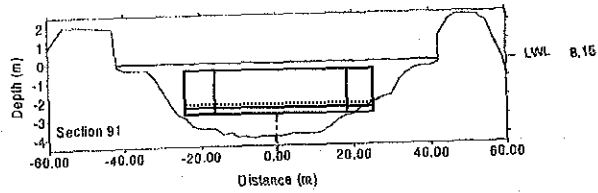
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889818.9 N
578819.1 E



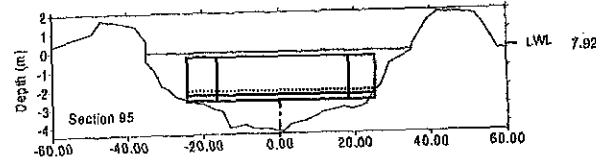
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581673.6 E



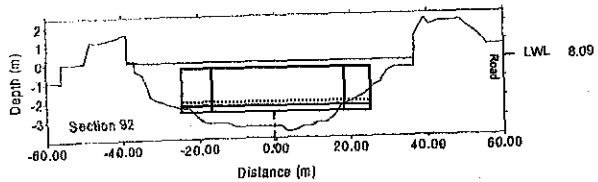
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577930.4 E



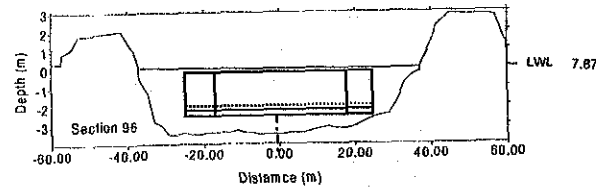
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580704.2 E



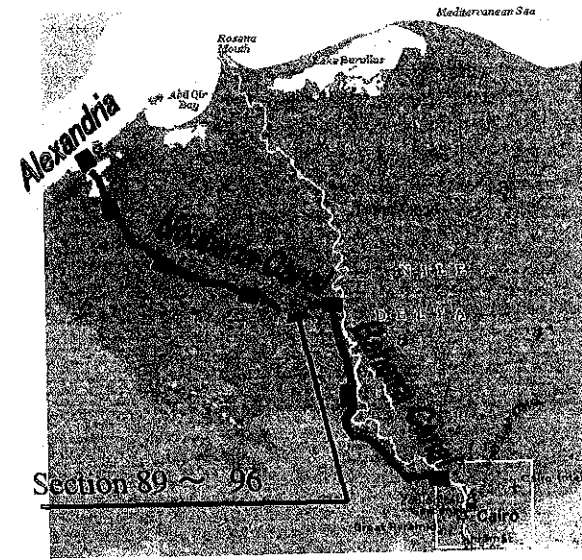
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576718.5 E



Section 92
889973 N
579853.9 E

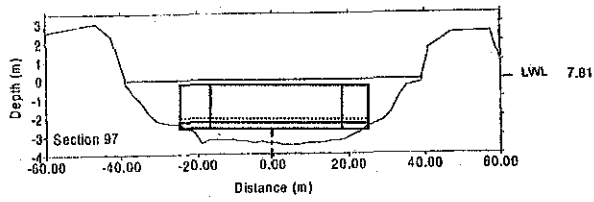


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577710.1 E

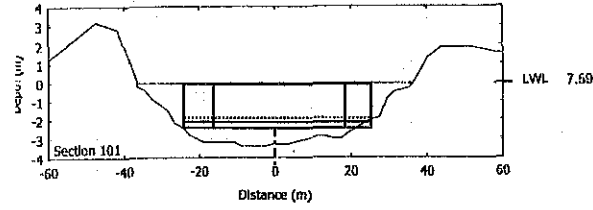


Appendix-11.2 Figure A11.2-13 Cross Sections between Bolin Lock and Busstan Lock & Comparing with Requirement of Waterway

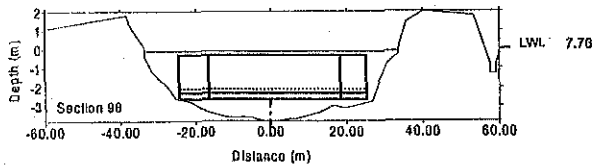
A11.2-18



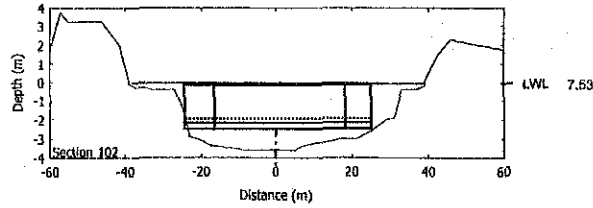
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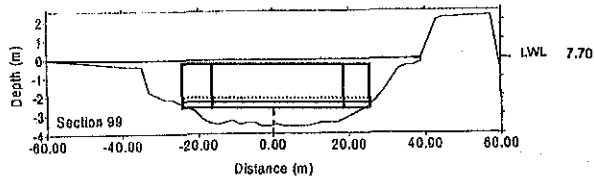
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571083.3 E



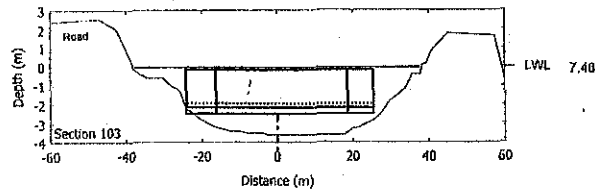
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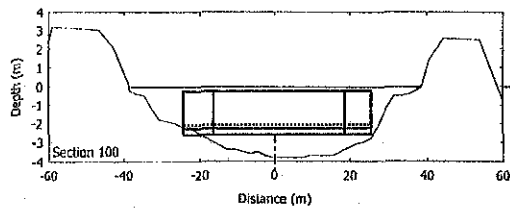
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570174.6 E



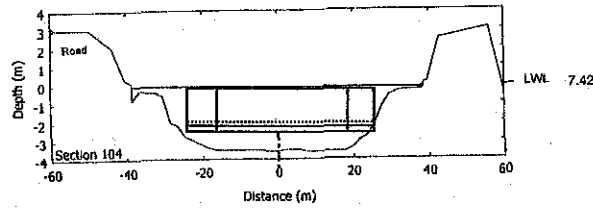
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571305.6 E



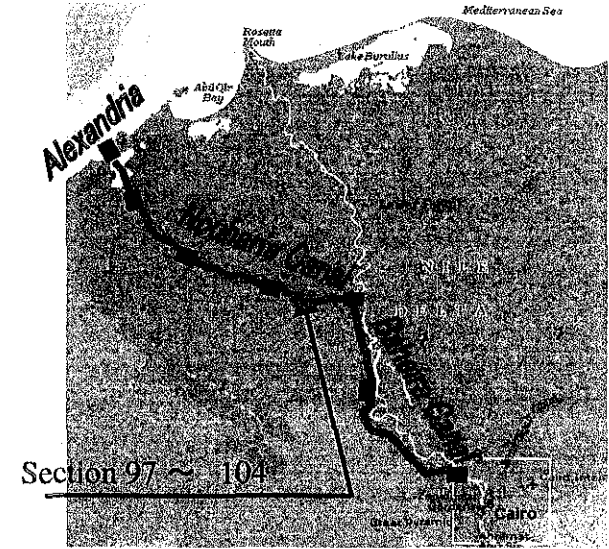
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893428 N
569285.9 E



Section 100
892100.3 N
570793.2 E

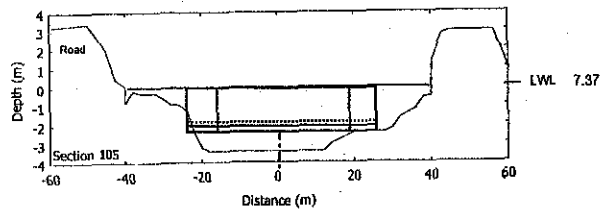


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569385.1 E

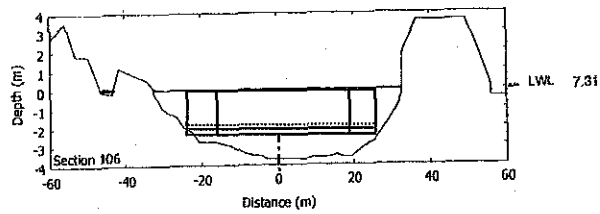


Appendix-11.2 Figure A11.2-14 Cross Sections between Bolin Lock and Busstan Lock & Comparing with Requirement of Waterway

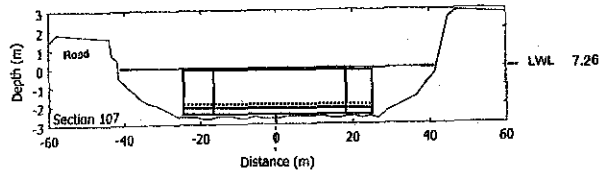
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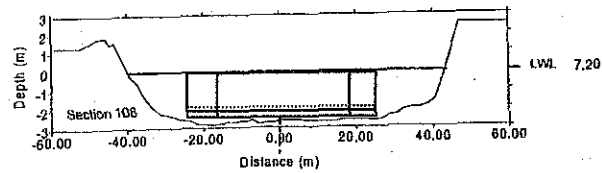
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894381.7 N
567373.0 E



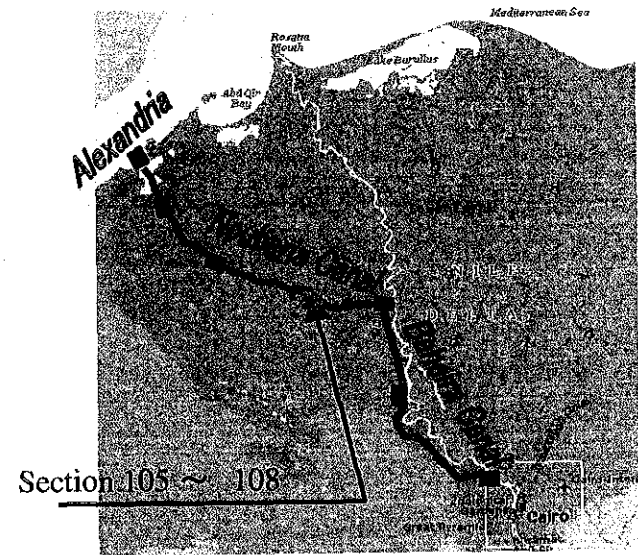
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894813.3 N
566485.1 E



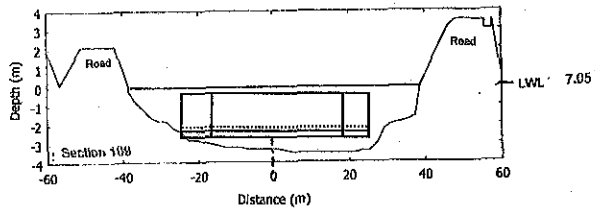
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895275.8 N
565596.4 E



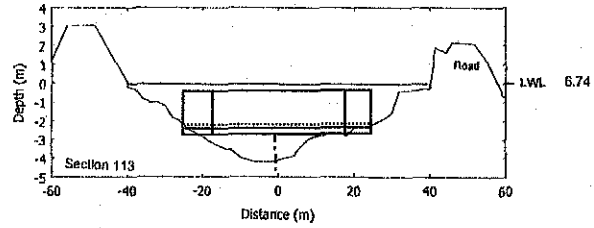
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565596.4 E



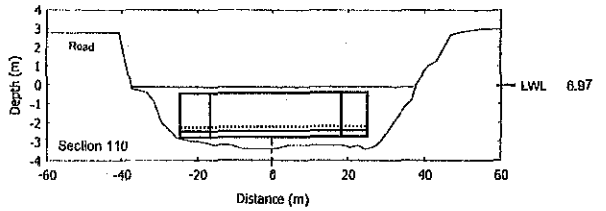
Appendix-11.2 Figure A11.2-15 Cross Sections between Bolin Lock and Busstan Lock & Comparing with Requirement of Waterway



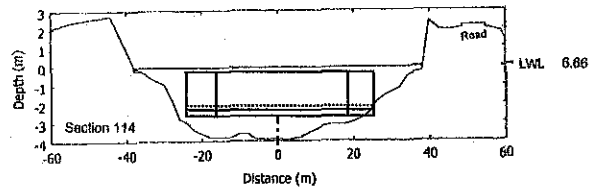
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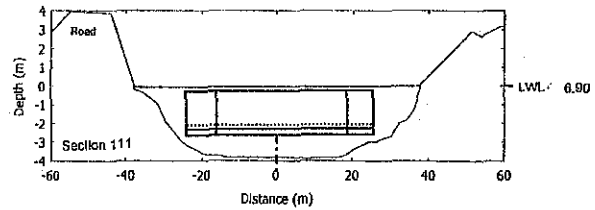
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580046.9 E



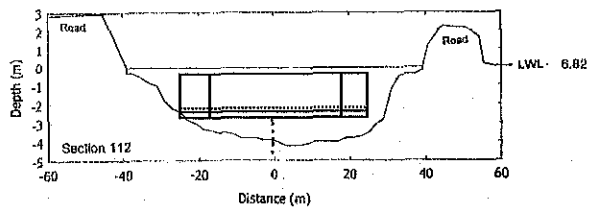
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563011.2 E



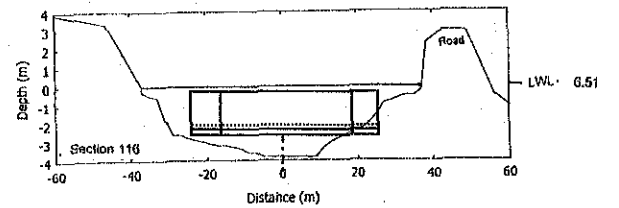
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588108.3 E



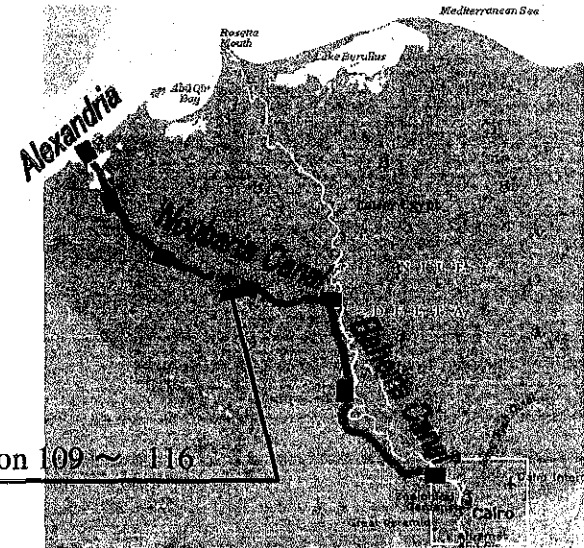
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562088.8 E



Section 112
895823.2 N
584007.8 E



Section 116
897742.2 N
584007.8 E

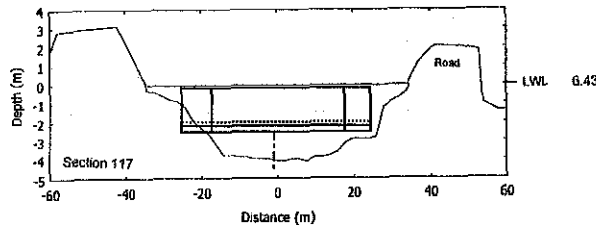


Section 109 ~ 116

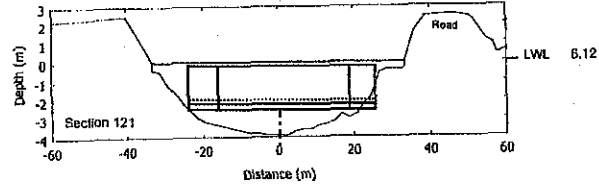
A11.2-20

Appendix-11.2 Figure A11.2-16 Cross Sections between Busstan Lock and Janakless Lock & Comparing with Requirement of Waterway

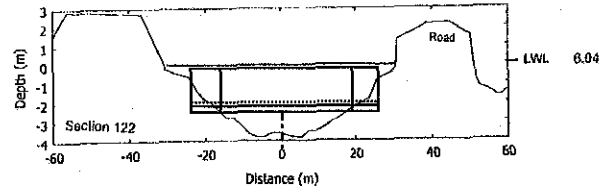
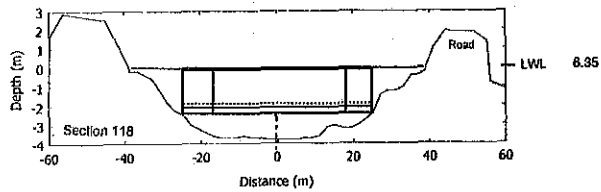
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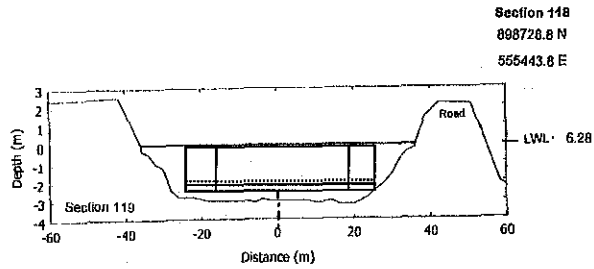
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558359.4 E



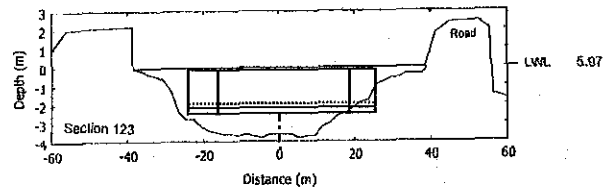
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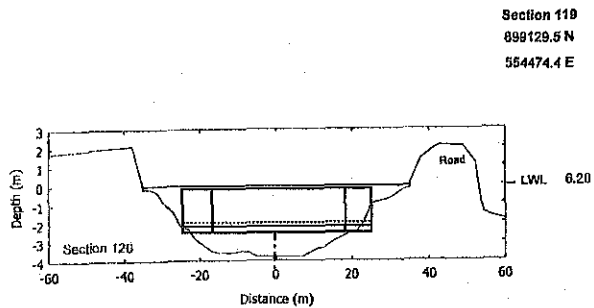
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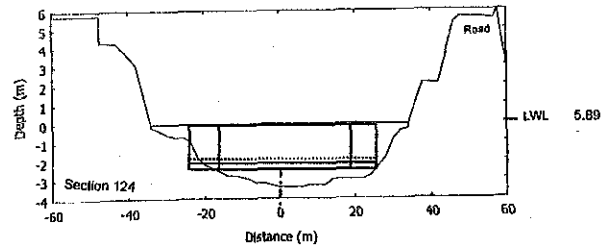
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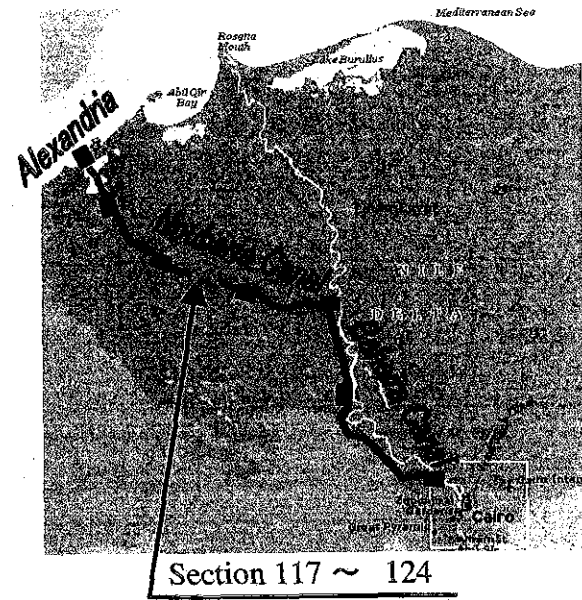
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550354.1 E



Section 120
899129.5 N
554474.4 E

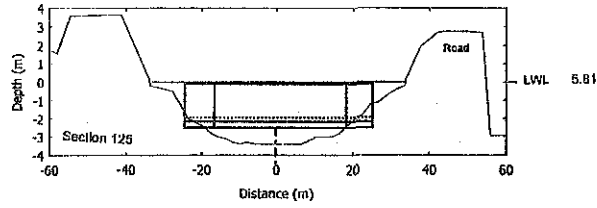


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549357.6 E

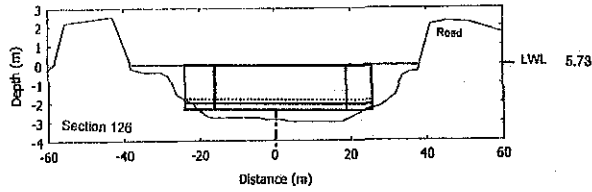
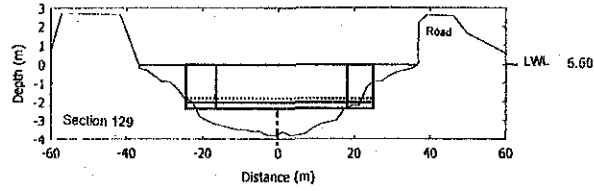


Appendix-11.2 Figure A11.2-17 Cross Sections between Busstan Lock and Janakless Lock & Comparing with Requirement of Waterway

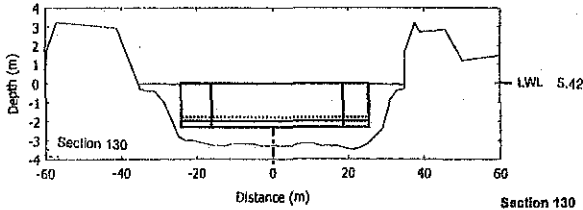
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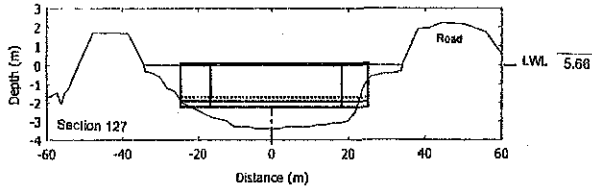
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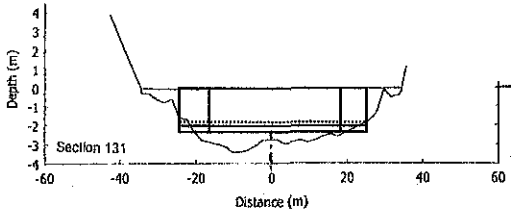
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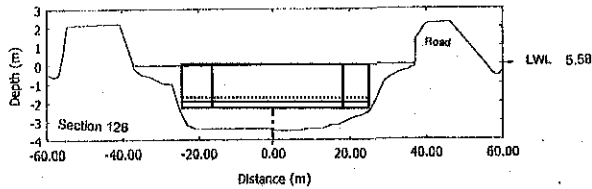
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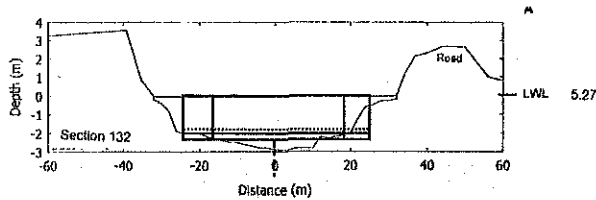
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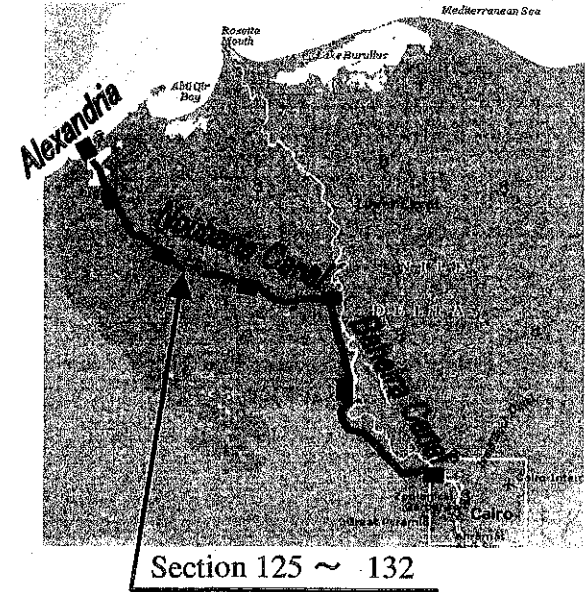
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542544.4 E



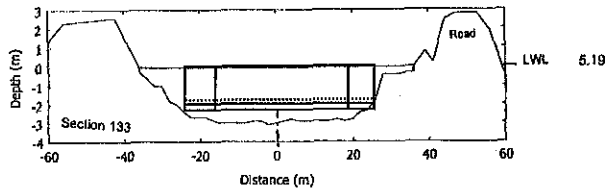
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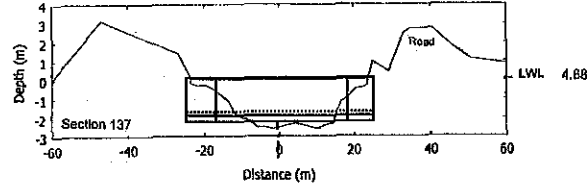
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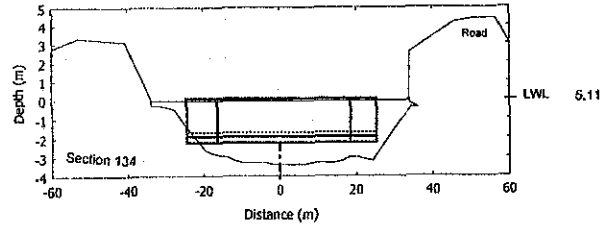
Appendix-11.2 Figure A11.2-18 Cross Sections between Busstan Lock and Janakless Lock & Comparing with Requirement of Waterway



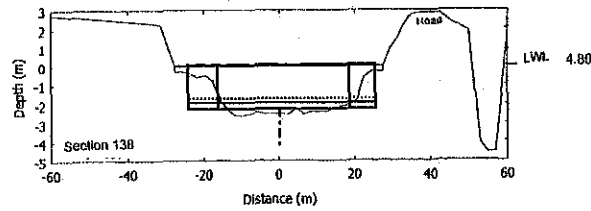
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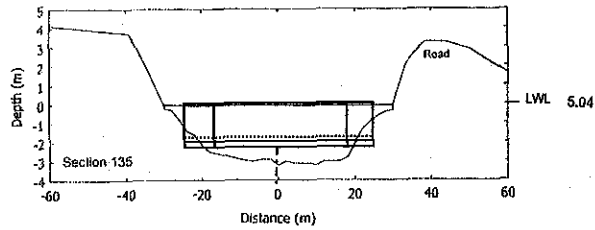
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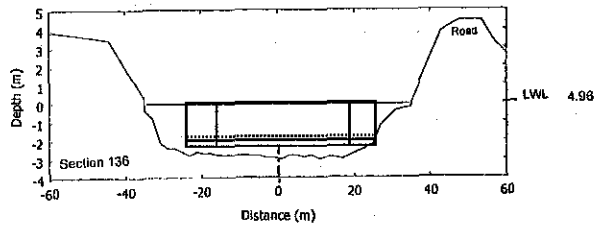
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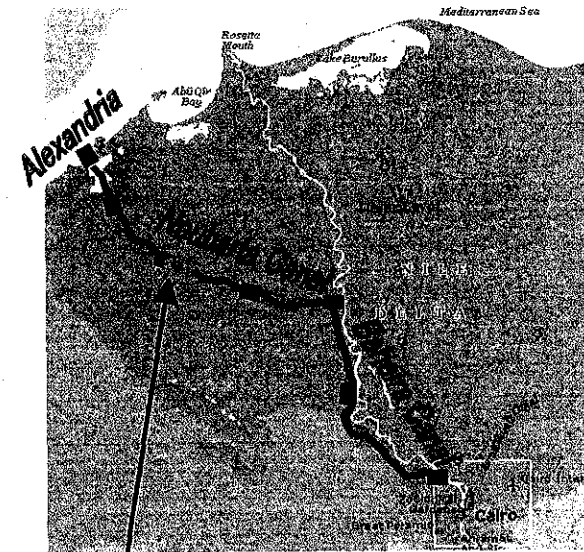
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536215.8 E



Section 135
902859.9 N
538747.3 E



Section 136
903476.6 N
537895.0 E

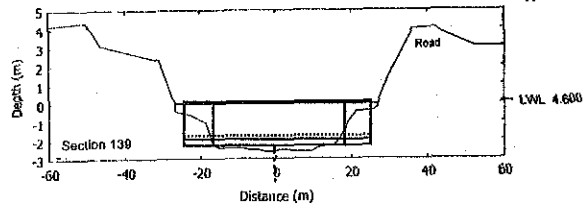


Section 133 ~ 138

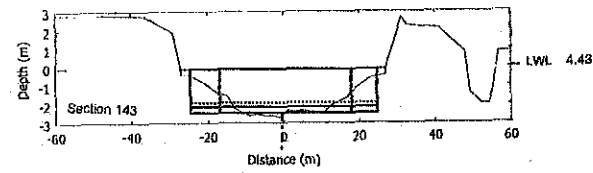
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Appendix-11.2 Figure A11.2-19 Cross Sections between Busstan Lock and Janakless Lock & Comparing with Requirement of Waterway

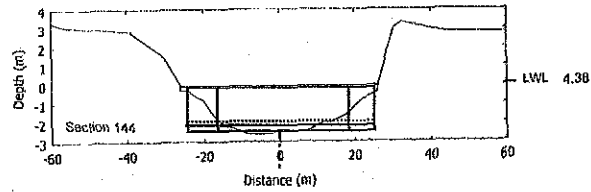
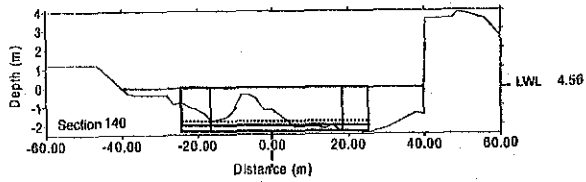
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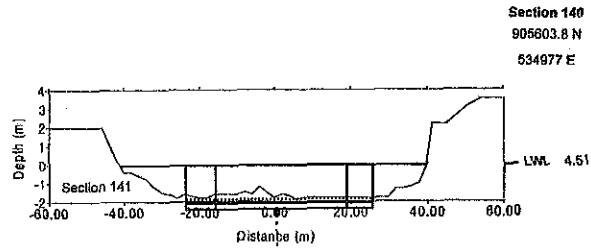
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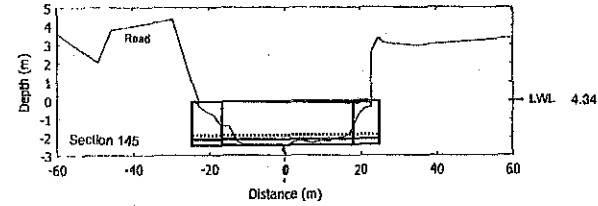
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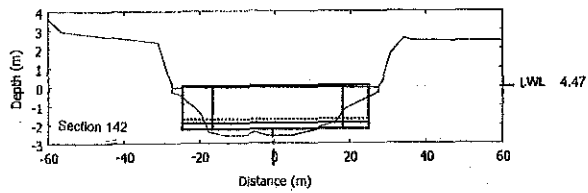
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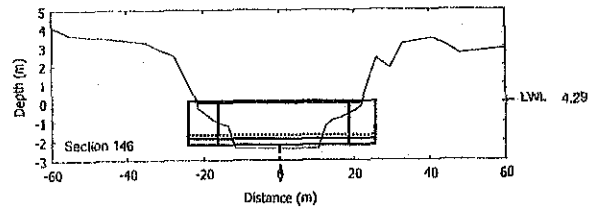
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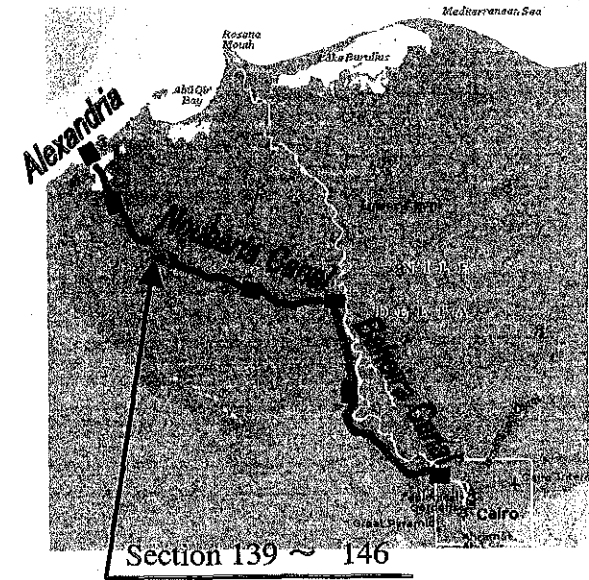
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Section 142
908467.1 N
533630.5 E

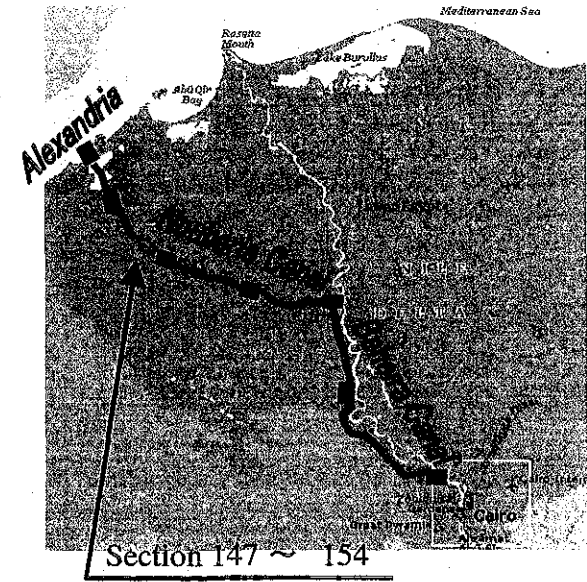
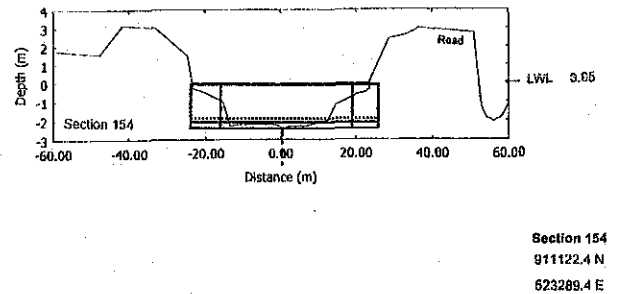
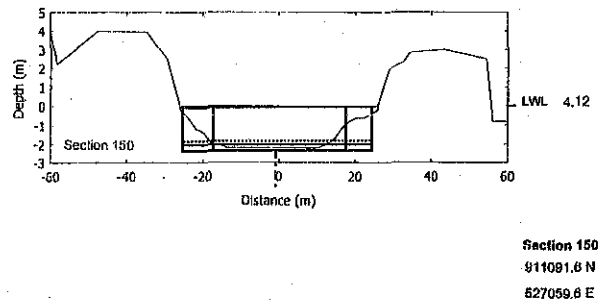
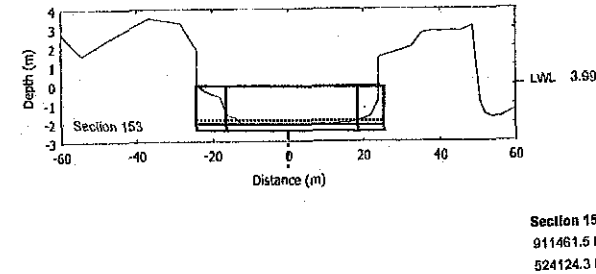
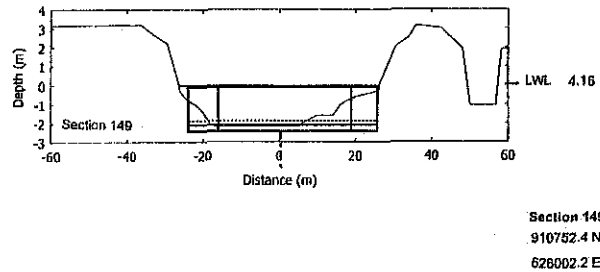
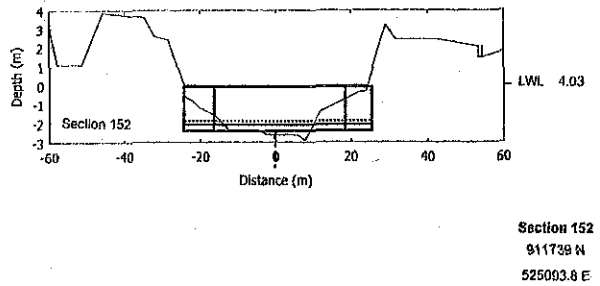
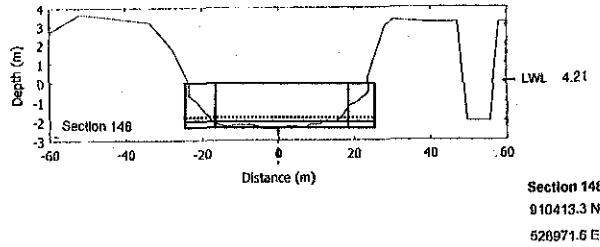
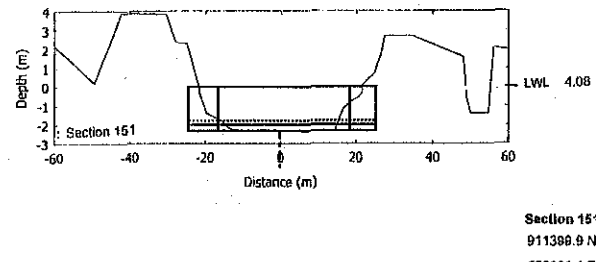
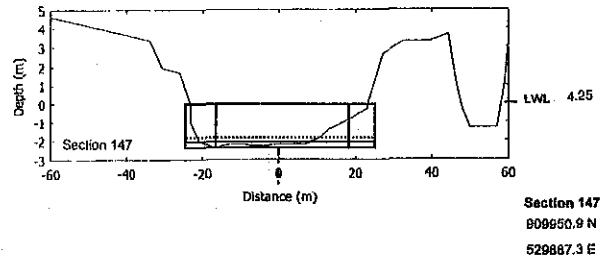


Section 146
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530749 E



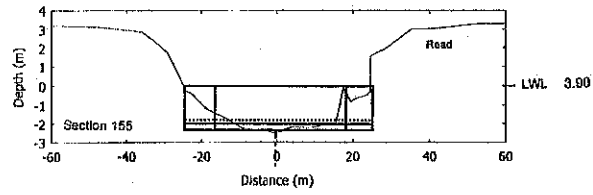
Appendix-11.2 Figure A11.2-20 Cross Sections between Janakless Lock and Nahda Lock & Comparing with Requirement of Waterway

A11.2-25

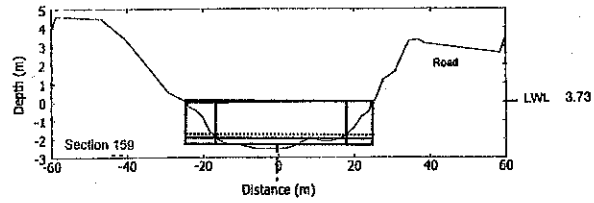


Appendix-11.2 Figure A11.2-21 Cross Sections between Janakless Lock and Nahda Lock & Comparing with Requirement of Waterway

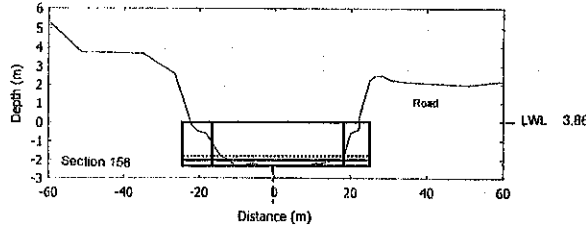
A11.2-26



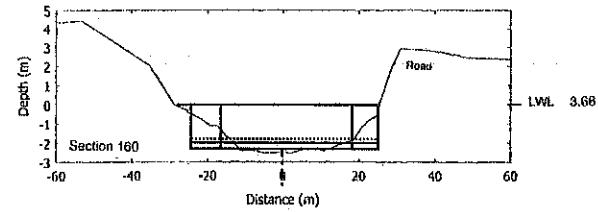
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911091.6 N
522346.9 E



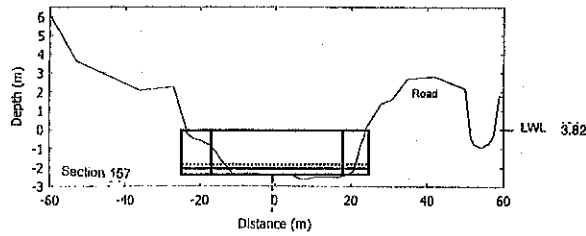
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909981.7 N
518709.3 E



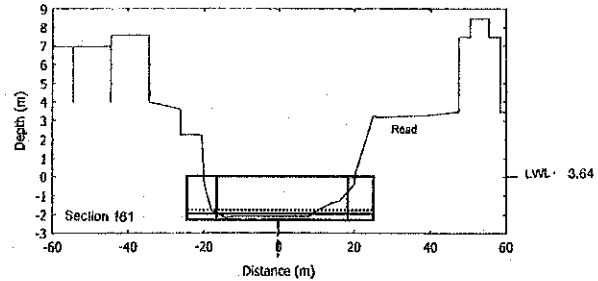
Section 158
910899.1 N
521323.5 E



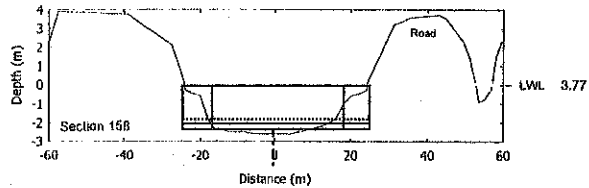
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910567.5 N
517846.5 E



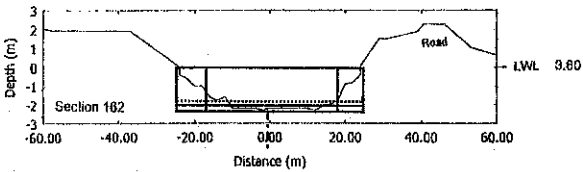
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911029.9 N
520327.1 E



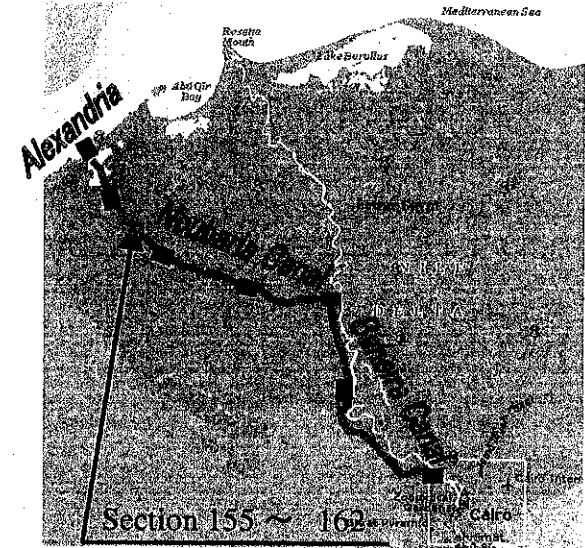
Section 161
911245.7 N
517173.2 E



Section 158
910567.5 N
516903.9 E

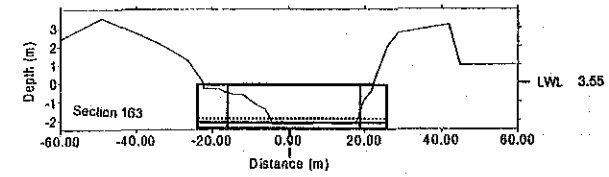


Section 162
912170.6 N
516903.9 E

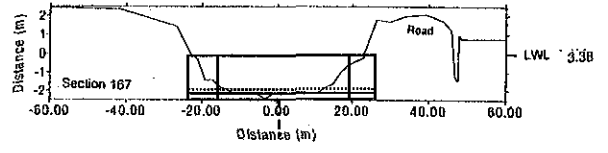


Appendix-11.2 Figure A11.2-22 Cross Sections between Janakless Lock and Nahda Lock & Comparing with Requirement of Waterway

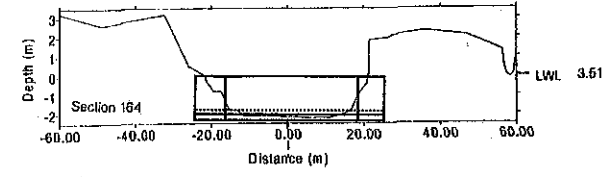
A11.2-27



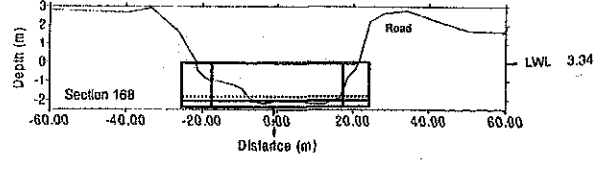
Section 163
913157.2 N
516715.4 E



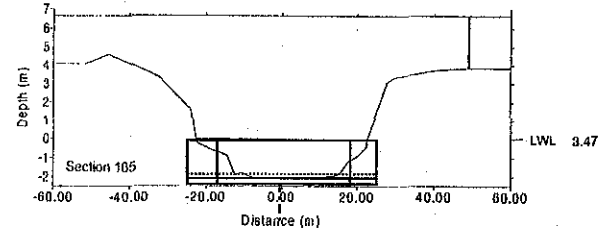
Section 167
915808.6 N
513510.8 E



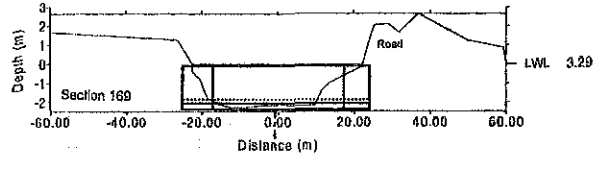
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912232.3 N
516418.2 E



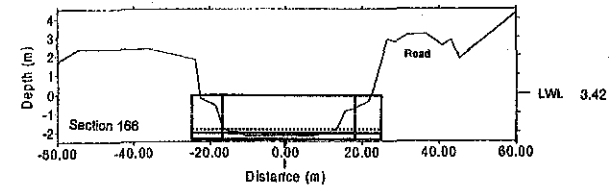
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916055.2 N
512460.5 E



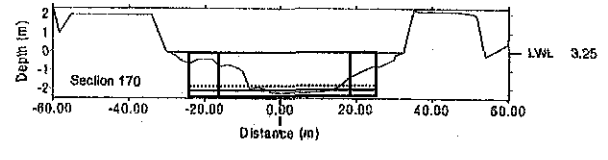
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914914.5 N
515880.6 E



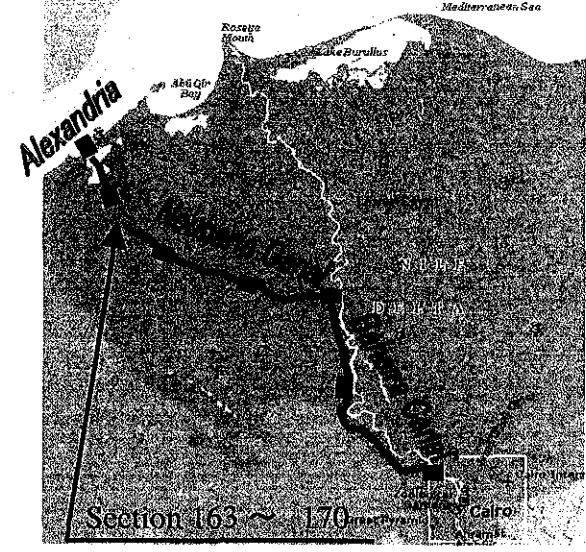
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915993.5 N
511491 E



Section 166
915438.8 N
515045.8 E

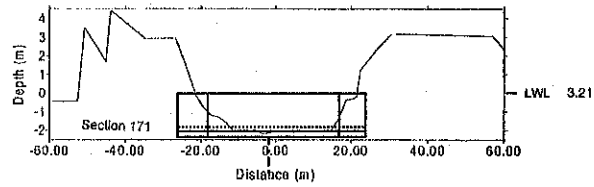


Section 170
915931.9 N
510413.8 E

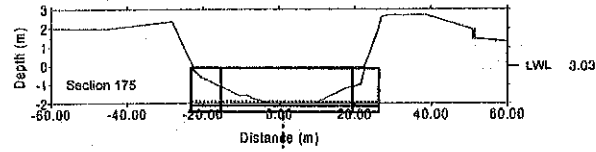


Appendix-11.2 Figure A11.2-23 Cross Sections between Janakless Lock and Nahda Lock & Comparing with Requirement of Waterway

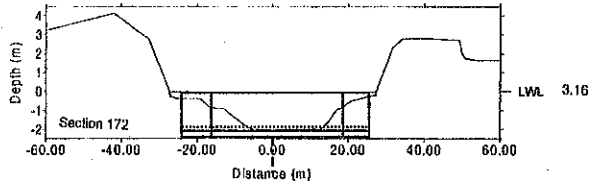
A11.2-28



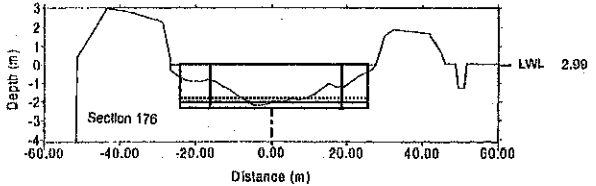
Section 171
915801 N
508417.4 E



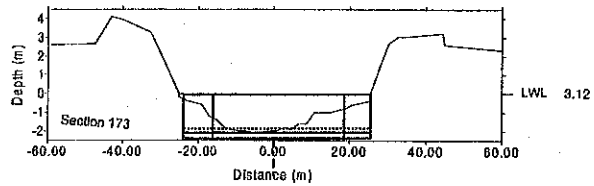
Section 175
918059.1 N
508239.7 E



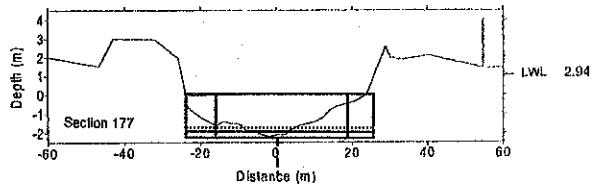
Section 172
916055.2 N
508394.1 E



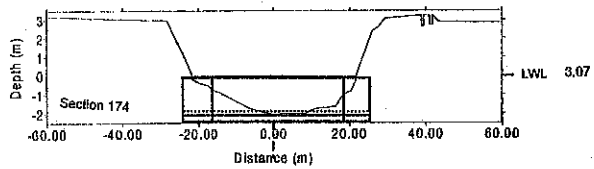
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918884 N
508105 E



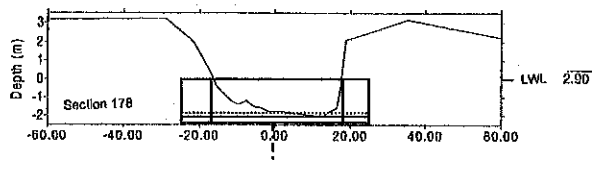
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916393.5
507316.8 E



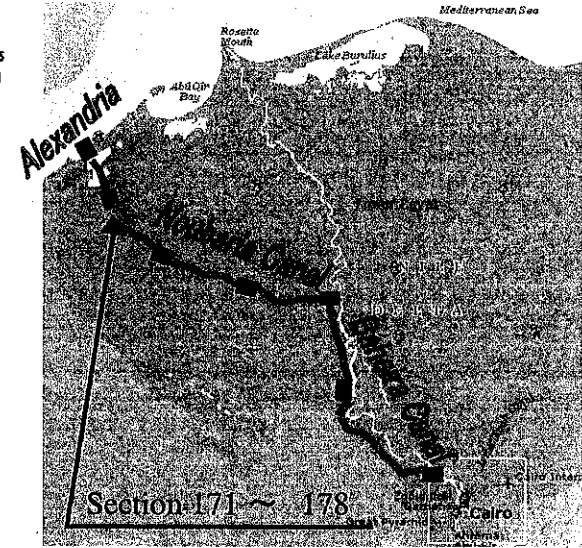
Section 177
910809 N
508158.9 E



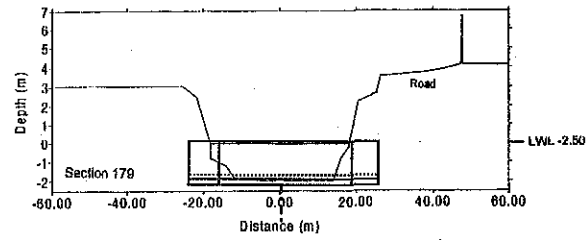
Section 174
917134.3 N
506643.6 E



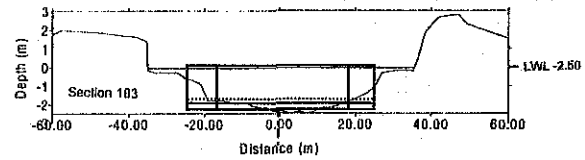
Section 178
920507.2 N
508017 E



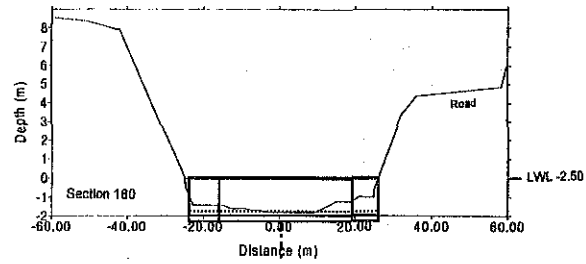
Appendix-11.2 Figure A11.2-24 Cross Sections between Janakless Lock and Nahda Lock & Comparing with Requirement of Waterway



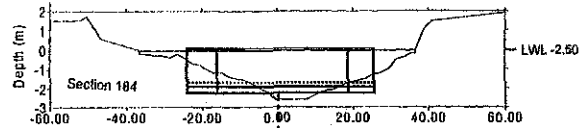
Section 179
921800.8 N
505870.3 E



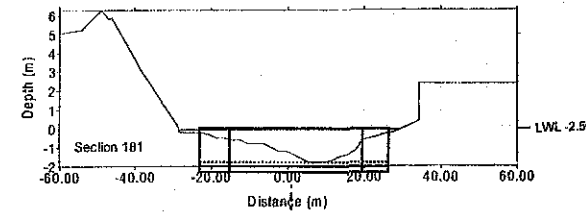
Section 183
924328.9 N
505835.7 E



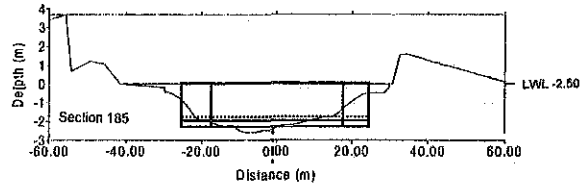
Section 180
922294.1 N
505324 E



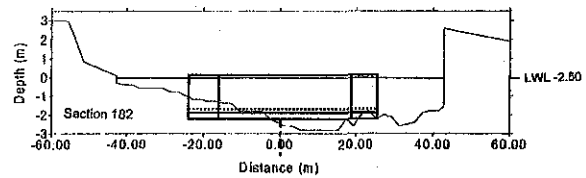
Section 184
925192.1 N
505320.4 E



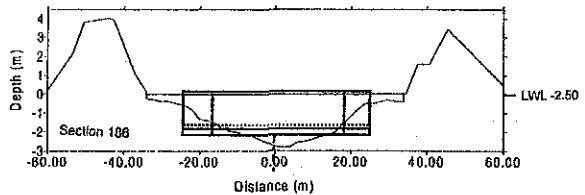
Section 181
923064.8 N
505162.4 E



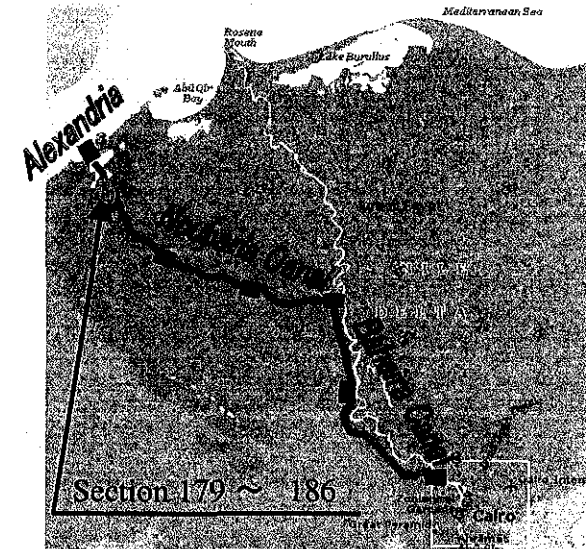
Section 185
926086.2 N
506032.1 E



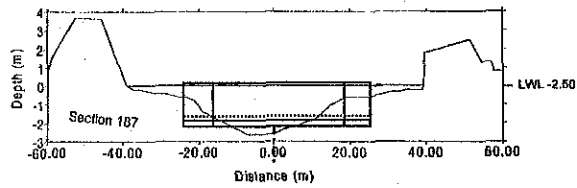
Section 182
923773.9 N
505539.5 E



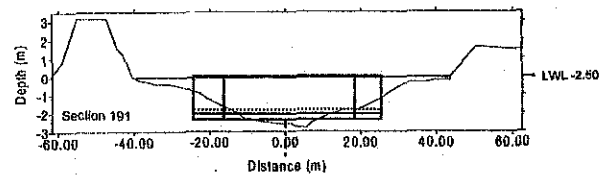
Section 186
926918.6 N
507343.8 E



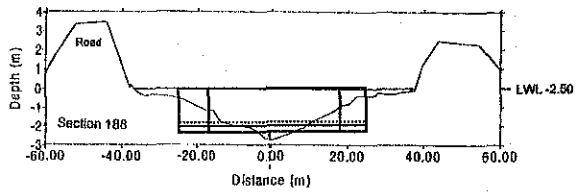
Appendix 11.2 Figure A11.2-25 Cross Sections between Nahda Lock and Maritime Lock & Comparing with Requirement of Waterway



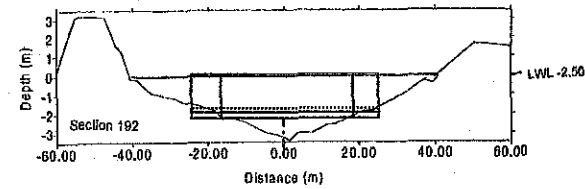
Section 187
927720.1 N
507856.4 E



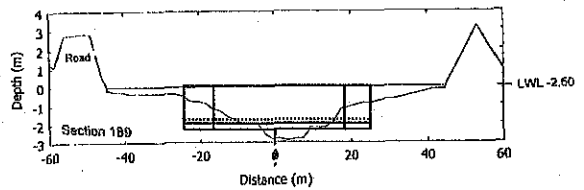
Section 191
931573.9 N
508565.6 E



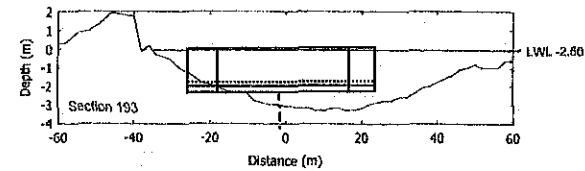
Section 188
928645.1 N
508313.3 E



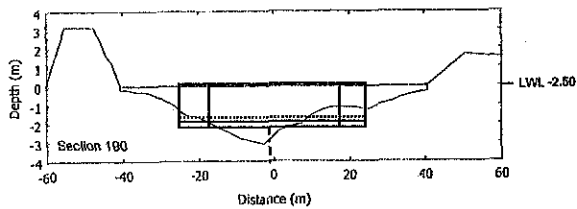
Section 192
932499.8 N
508582.6 E



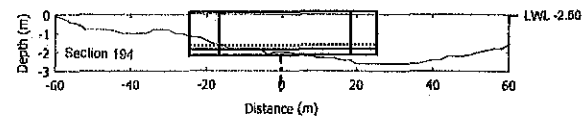
Section 189
929631.6 N
508582.6 E



Section 193
933947.8 N
508582.6 E



Section 190
930402.4 N
508555.6 E

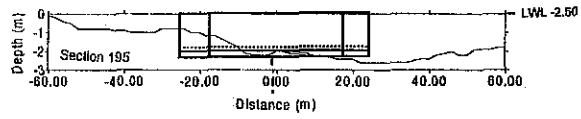


Section 194
934666.9 N
508555.6 E

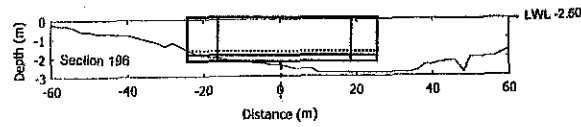


Appendix 11.2 Figure A11.2-26 Cross Sections between Nahda Lock and Maritime Lock & Comparing with Requirement of Waterway

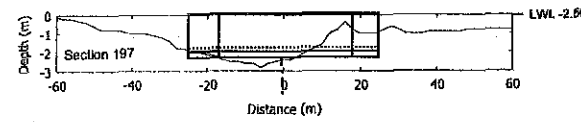
A11.2-31



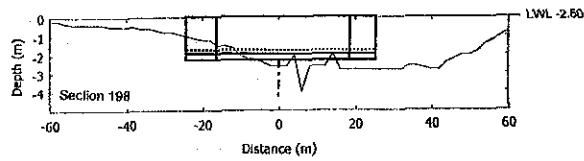
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935520.1 N
508501.8 E



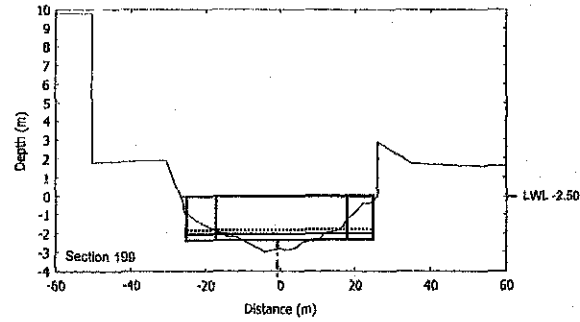
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936136.8 N
507862.4 E



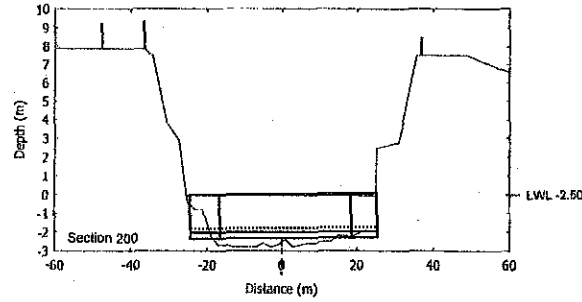
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938960.1 N
507451.5 E



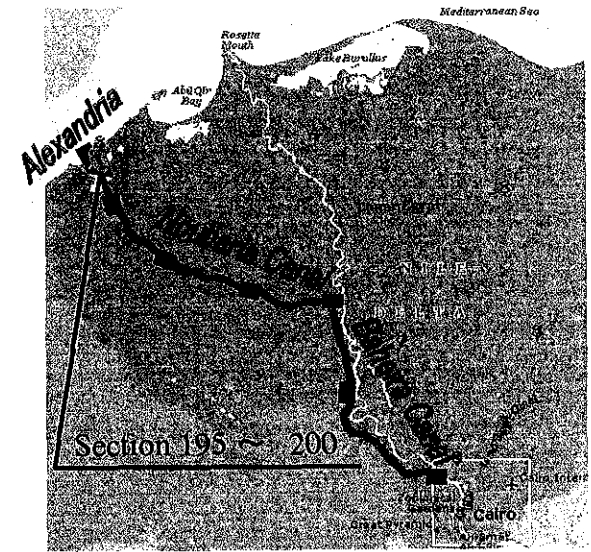
Section 198
937678.3 N
506832.1 E



Section 199
938694 N
506455.1 E



Section 200
939528.1 N
508024.2 E

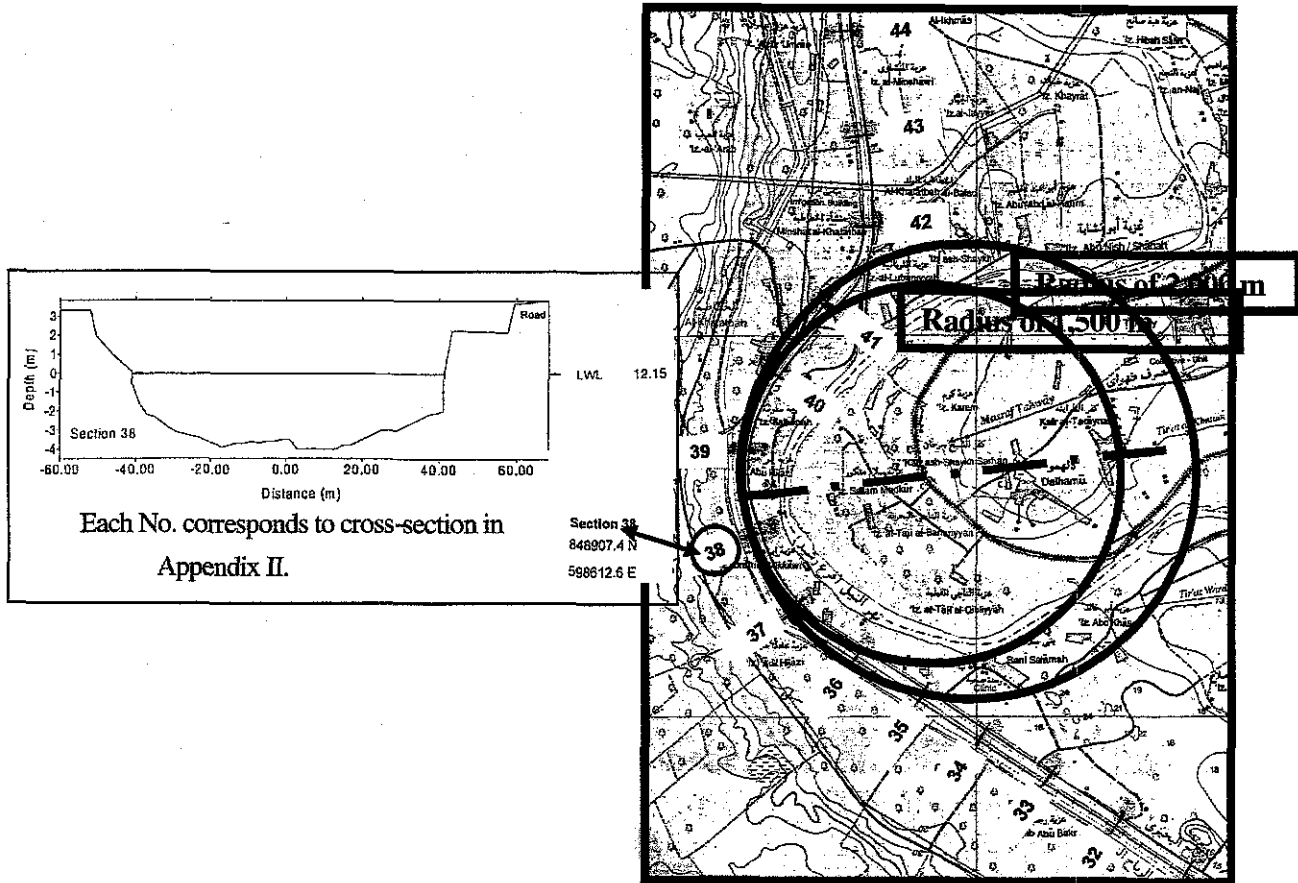


Appendix 11.2 Figure A11.2-27 Cross Sections between Nahda Lock and Maritime Lock & Comparing with Requirement of Waterway

Appendix-11.3 Alignment of Alexandria/Cairo IW - Major Bends-

This Appendix roughly shows major bends along Alexandria/Cairo IW. As well known, two canals of this IW are man-made canals with almost straight alignment. However, there are some bends at exceptional points.

As shown in the following example, this appendix roughly draws bend radii on maps in a scale of 1:50,000 along this IW. Cross-section No. in each map corresponds to cross-sections in Appendix II.



Example of Bend Radii in Alexandria/Cairo IW
(note: above map scale is about 1:100,000)

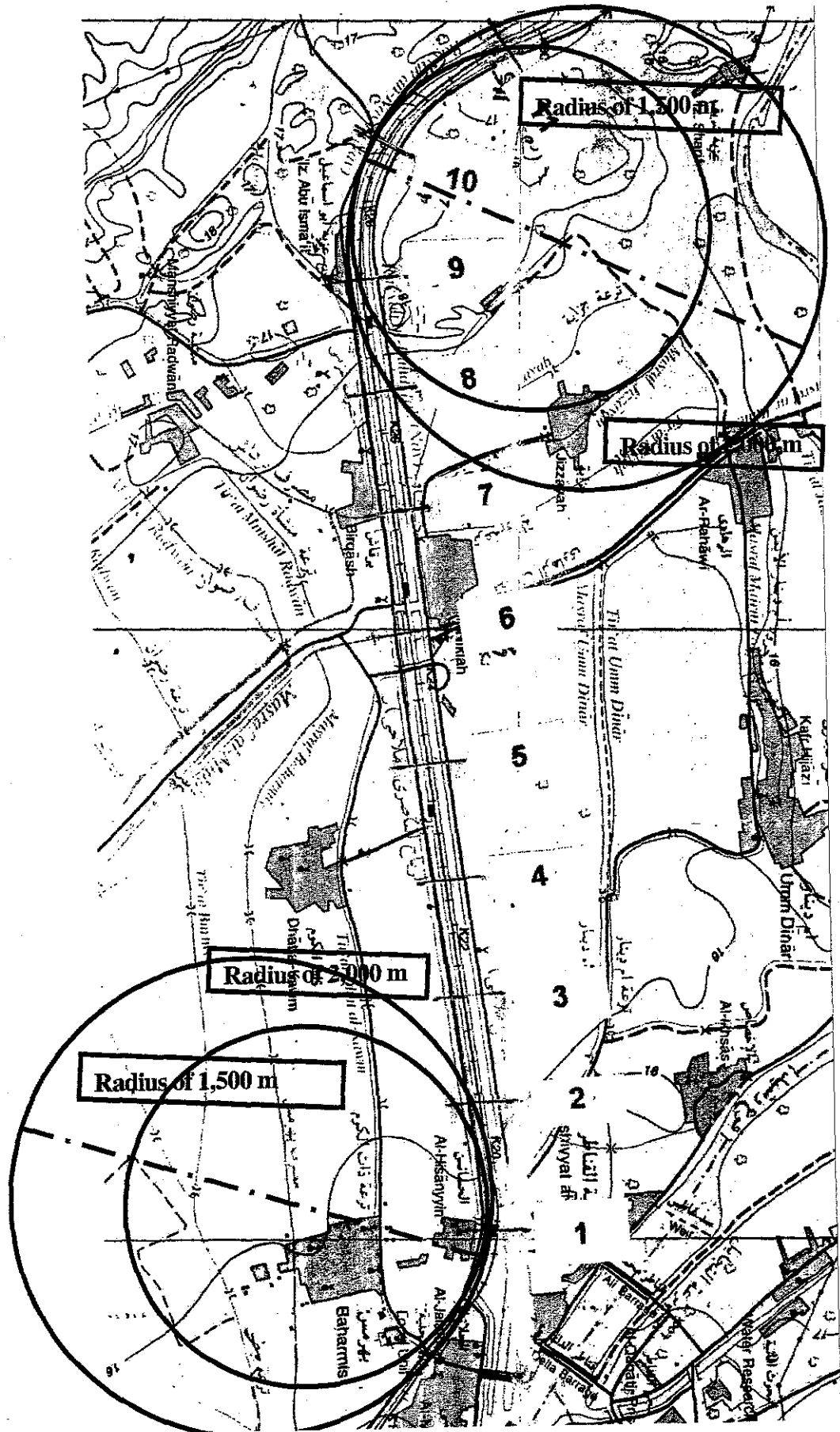


Figure A11.3-1 Major Bends between Entrance Lock and Khataba Lock

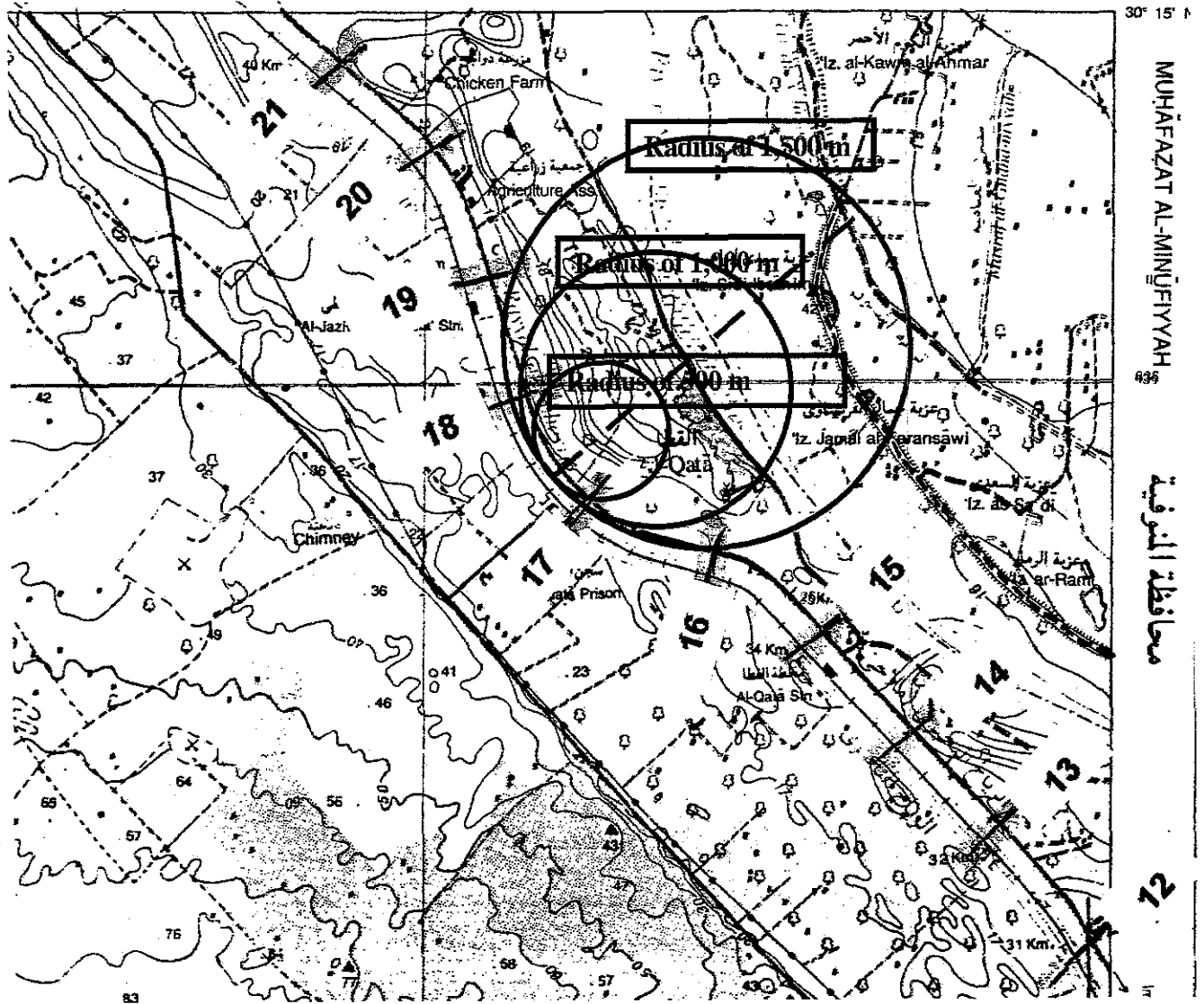


Figure A11.3.-2 Major Bends between Entrance Lock and Khataba Lock

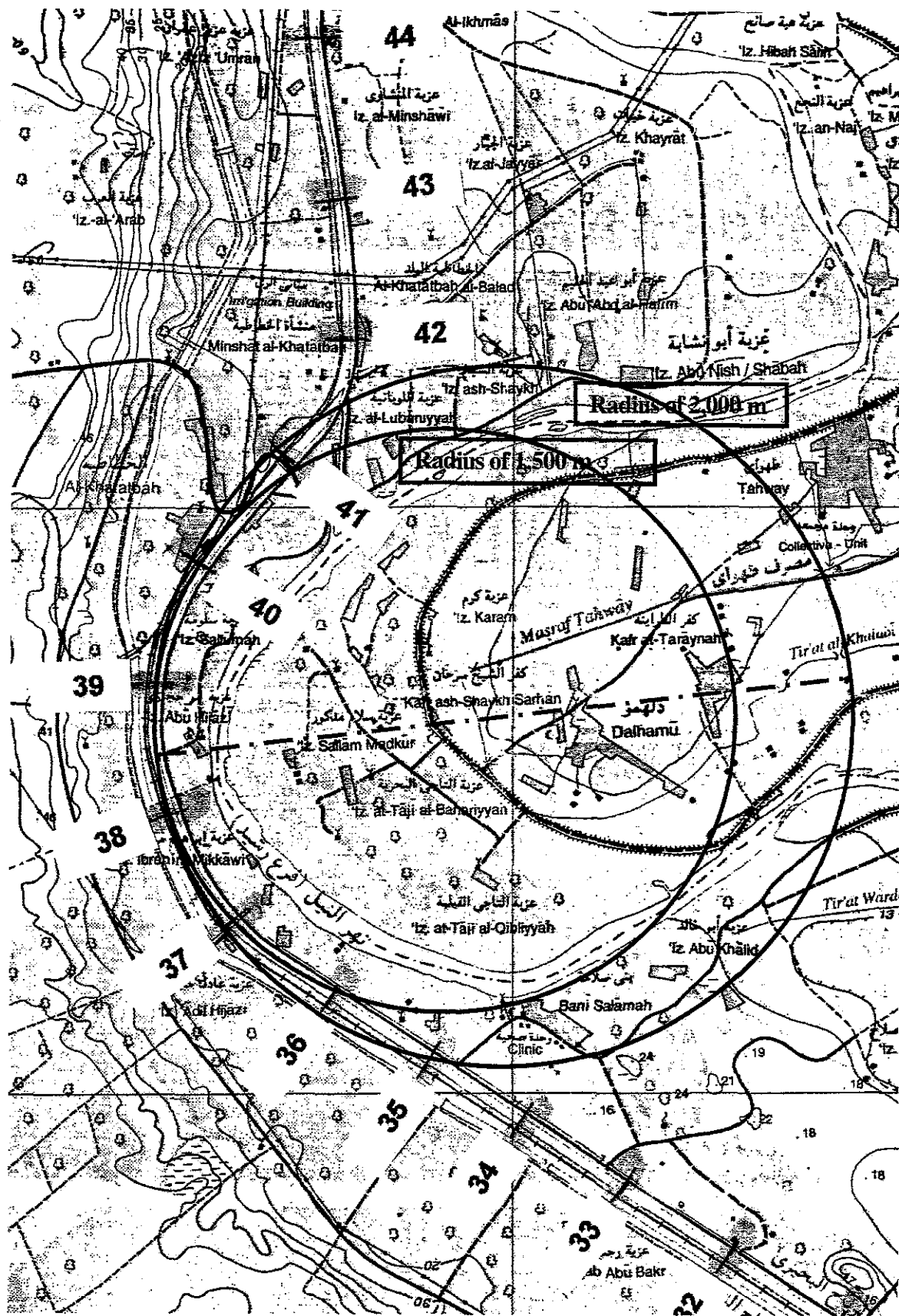


Figure A11.3-3 Major Bends between Entrance Lock and Khataba Lock

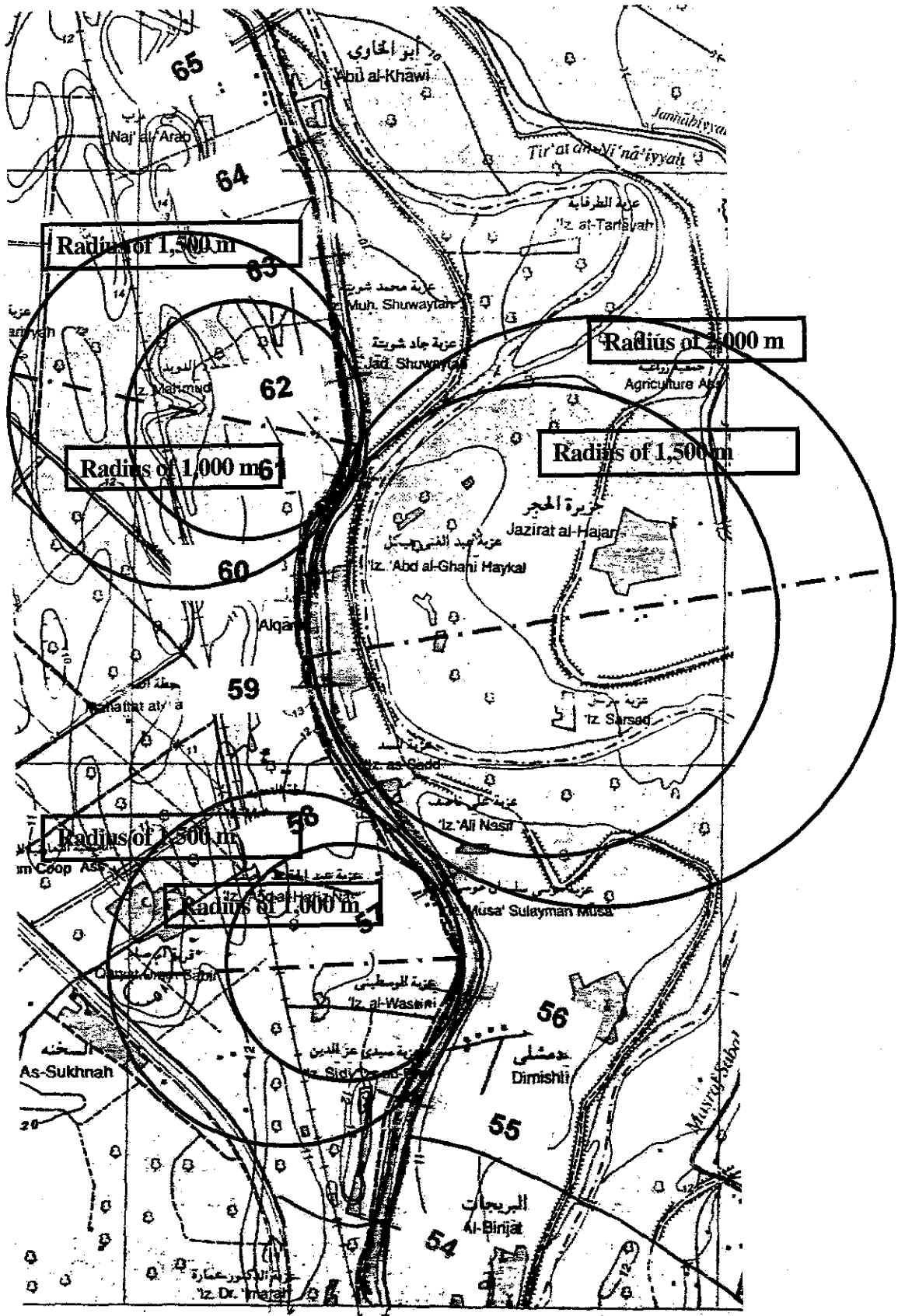


Figure A11.3-4 Major Bends between Khataba Lock and Boulin Lock

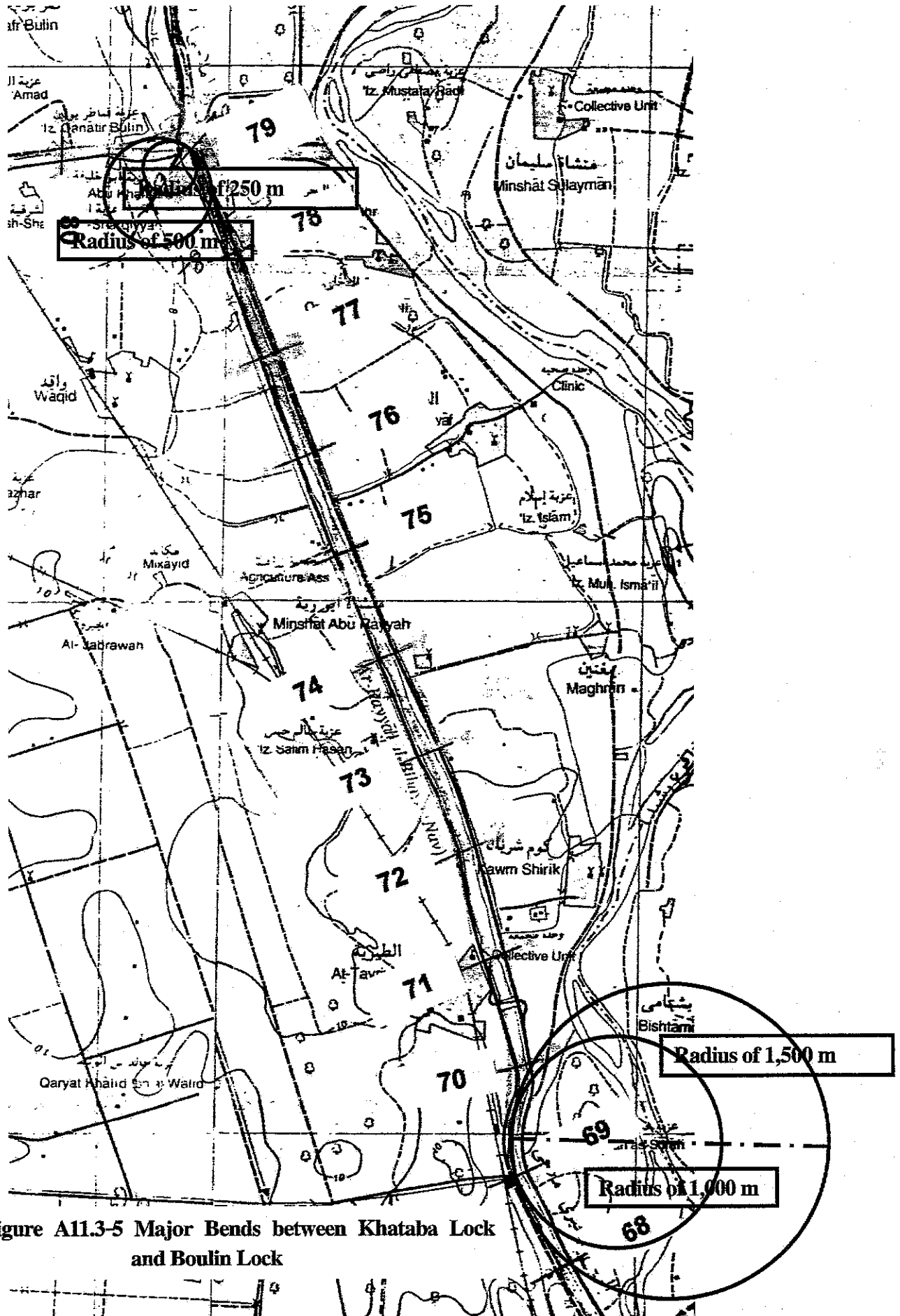


Figure A11.3-5 Major Bends between Khataba Lock and Boulin Lock

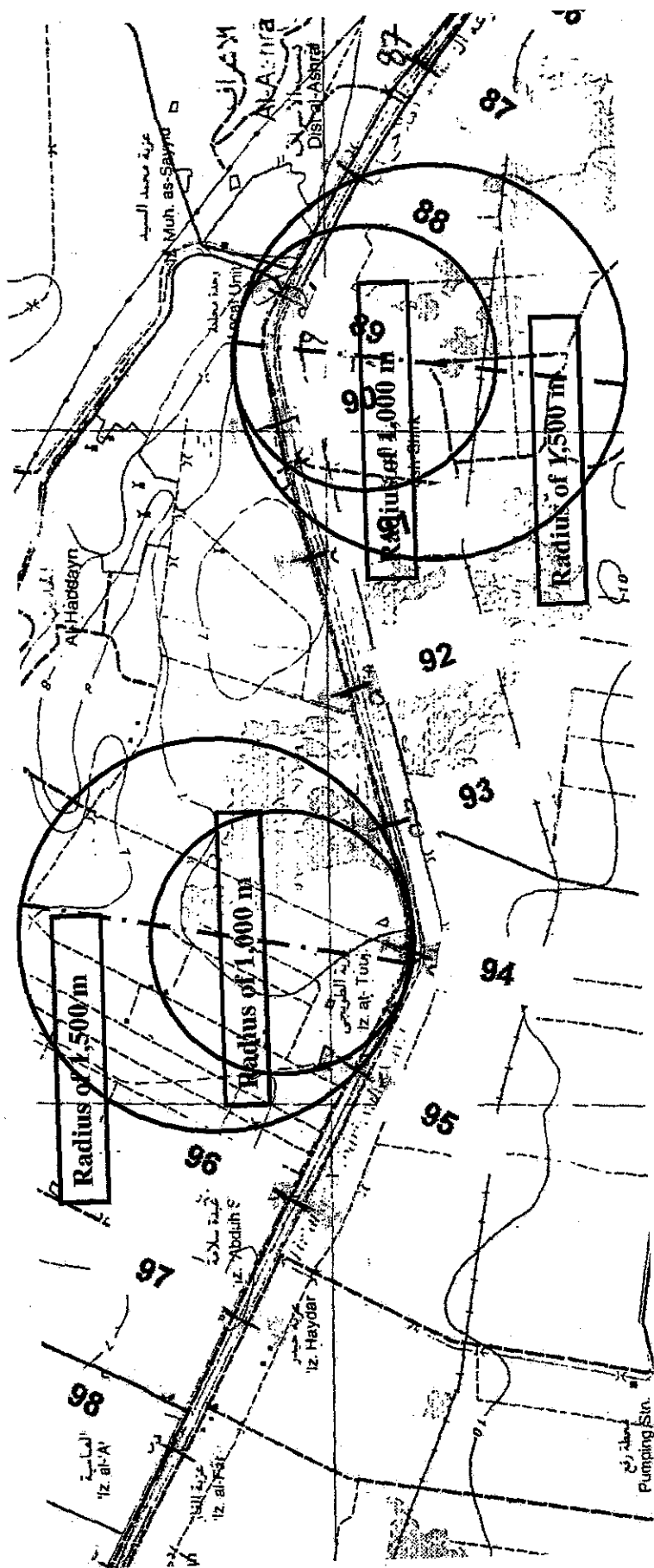


Figure A11.3-6 Major Bends between Boulin Lock and Busstan Lock

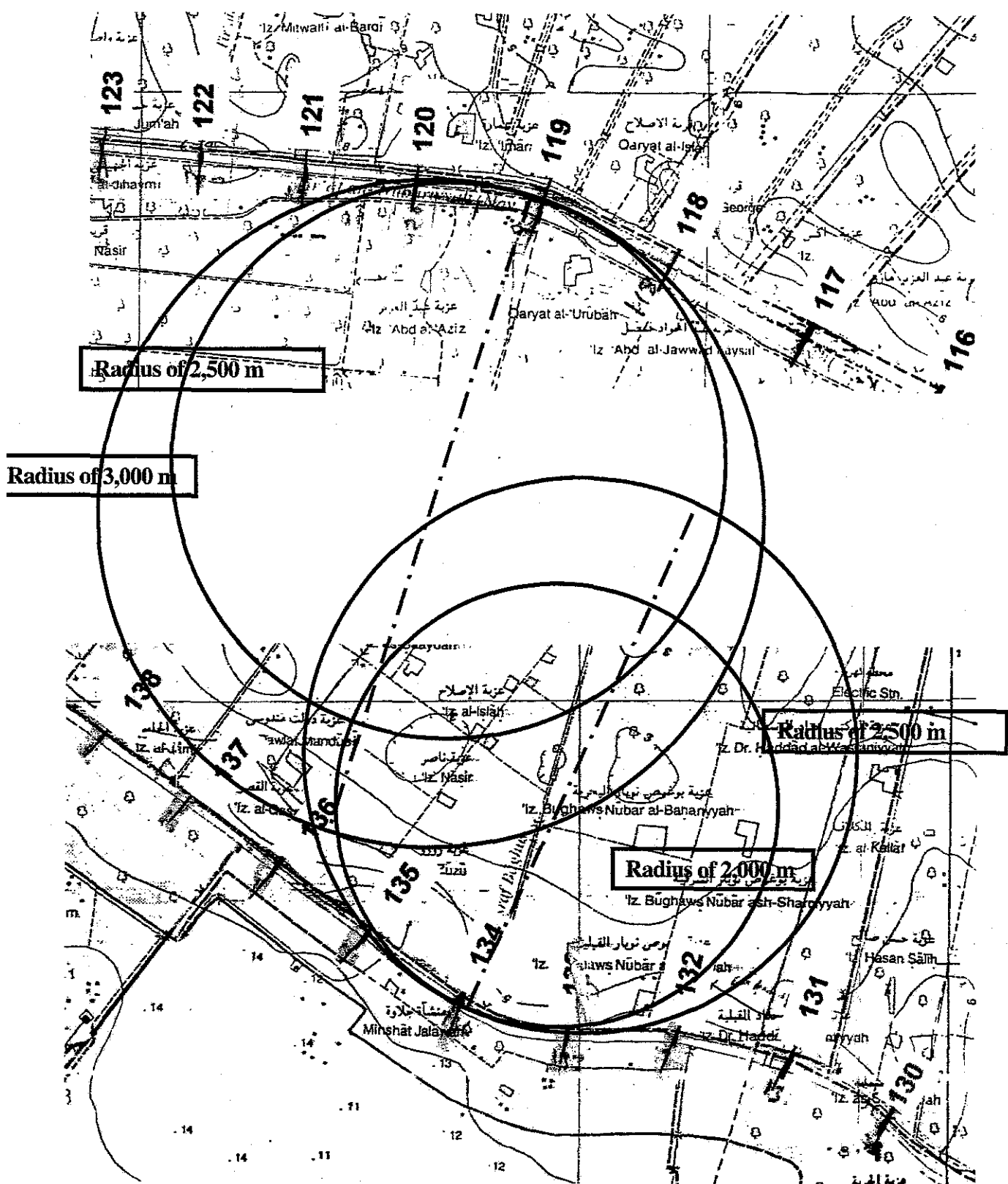


Figure A11.3-7 Major Bends between Busstan Lock and Janakless Lock

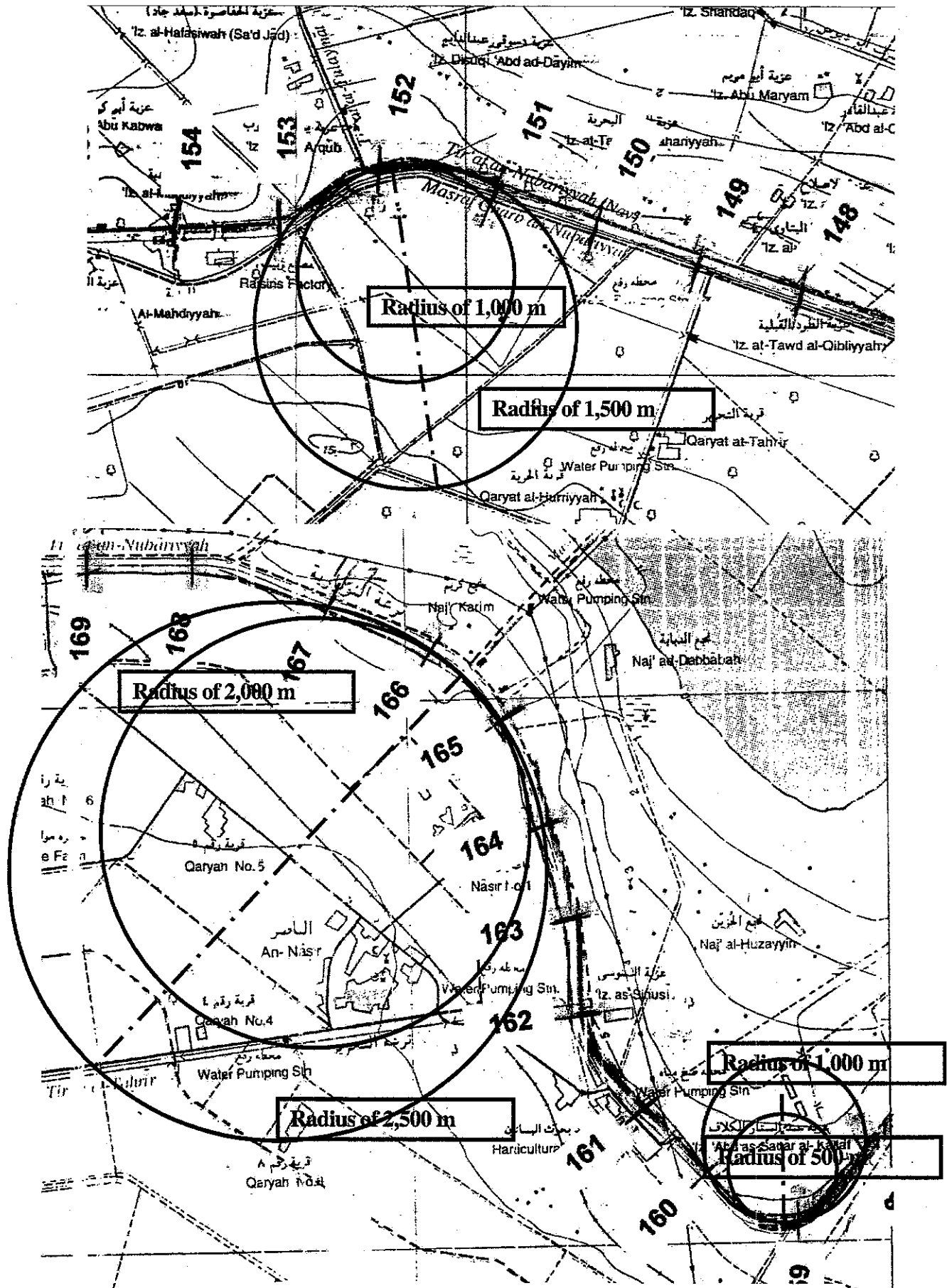


Figure A11.3-8 Major Bends between Janakless Lock and Nahda Lock

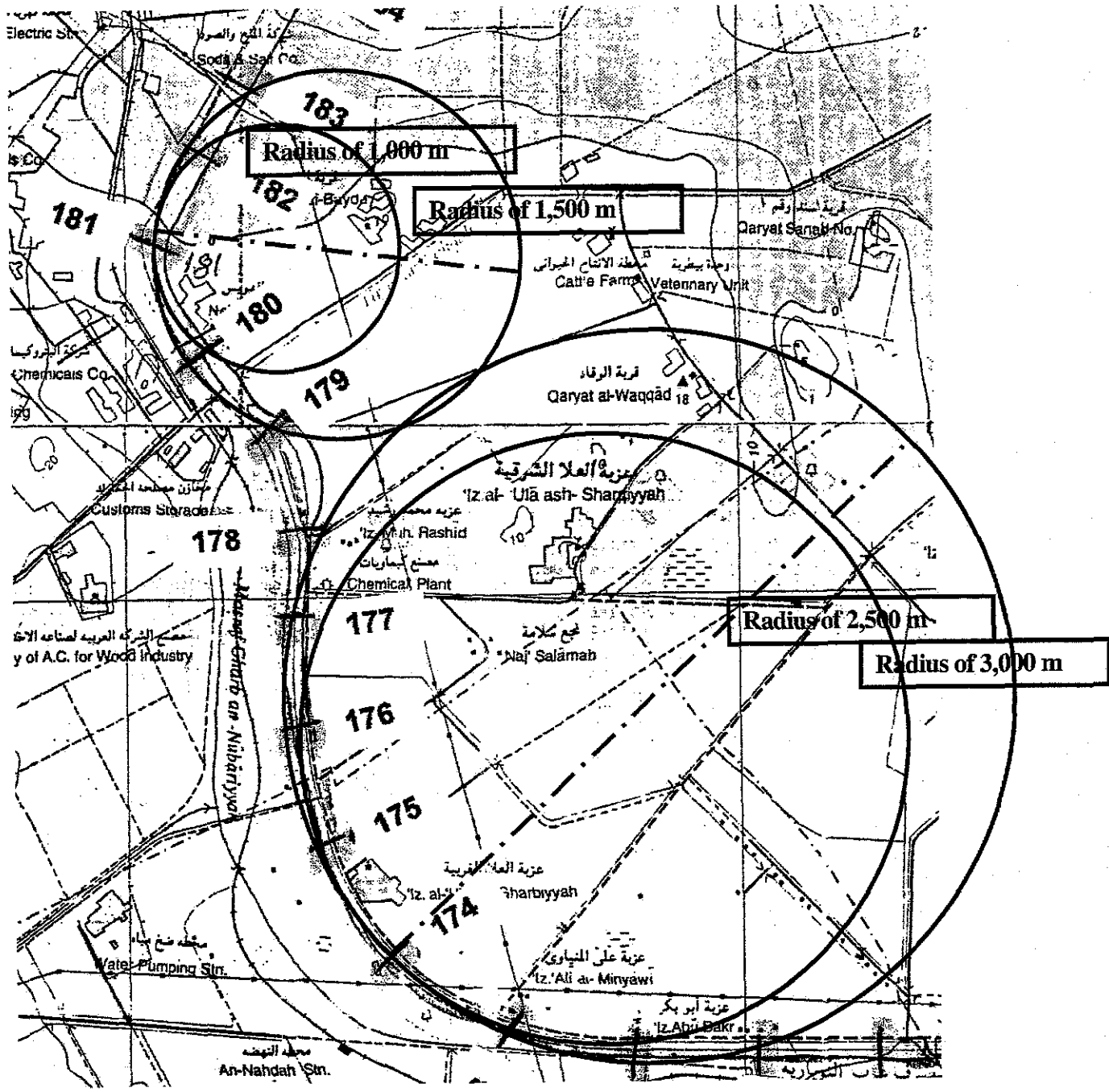


Figure A11.3-9 Major Bends between Janakless Lock and Nahda Lock
 Major Bends between Nahda Lock and Maritime Lock

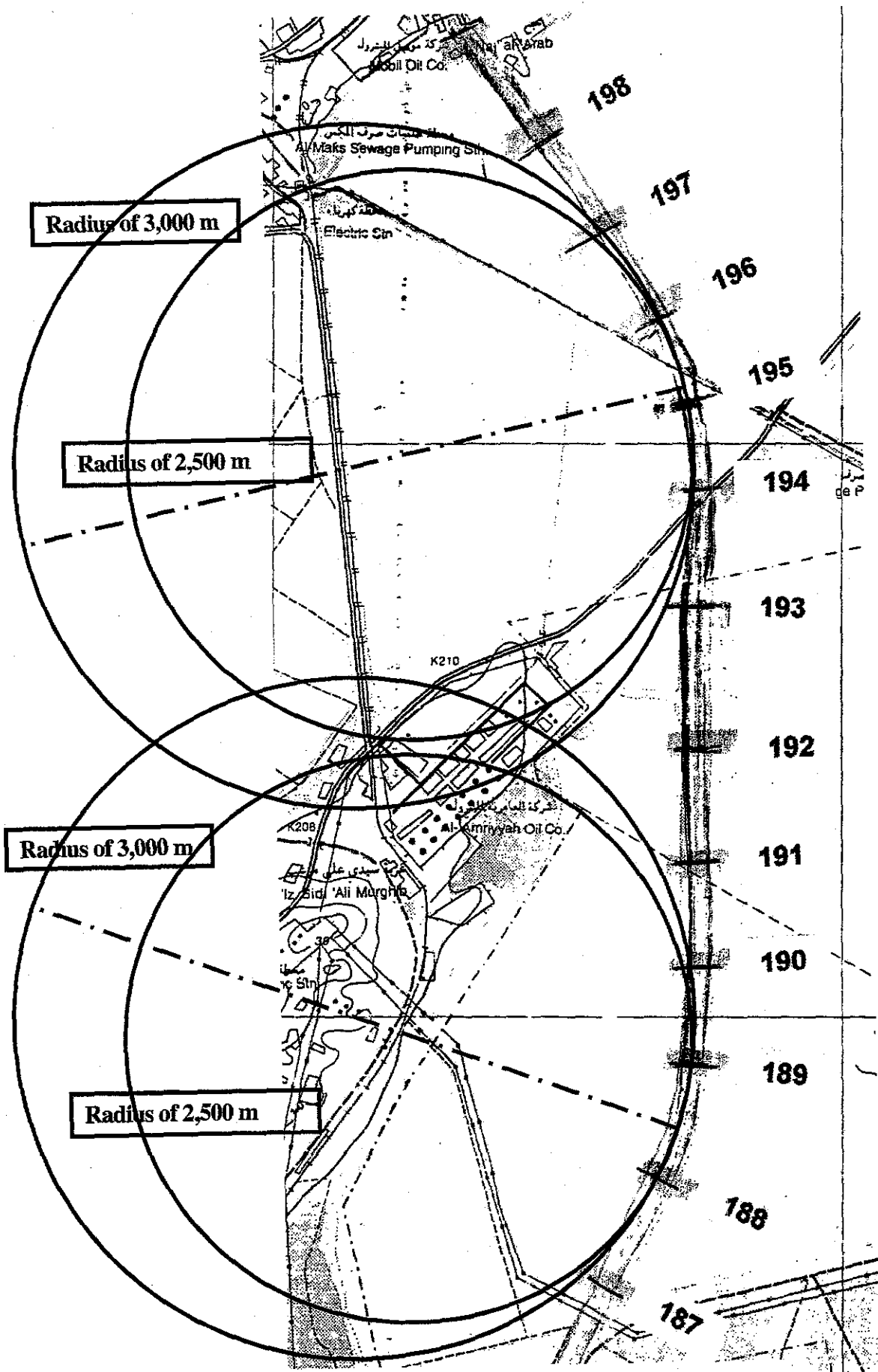


Figure A11.3-10 Major Bends between Nahda Lock and Maritime Lock

