

ANNEX A - SECTIONS 1/9 TO 9/9 OF CHANNEL CORRIDOR SURVEY, EASTERN MDC

Environmental Resources Management

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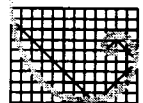


Channel Corridor Survey Symbols

	Vegetation	Lleu	<i>Leucaena leucocephala</i>
	Tree Belt	Acon	<i>Acacia confusa</i>
	Border Road	Cequ	<i>Casuarina equisetifolia</i>
	Bridge Road	Ecra	<i>Eichhornia crassipes</i>
	Photographic Direction	Mpar	<i>Musa paradisiaca</i>
	Quantitative Survey Site	Htil	<i>Hibiscus tiliaceus</i>
		Maze	<i>Melia azedarach</i>
		Sseb	<i>Sapium sebiferum</i>
		Aleb	<i>Albizia lebeck</i>
		Mind	<i>Mangifera indica</i>
		Rcom	<i>Ricinus communis</i>

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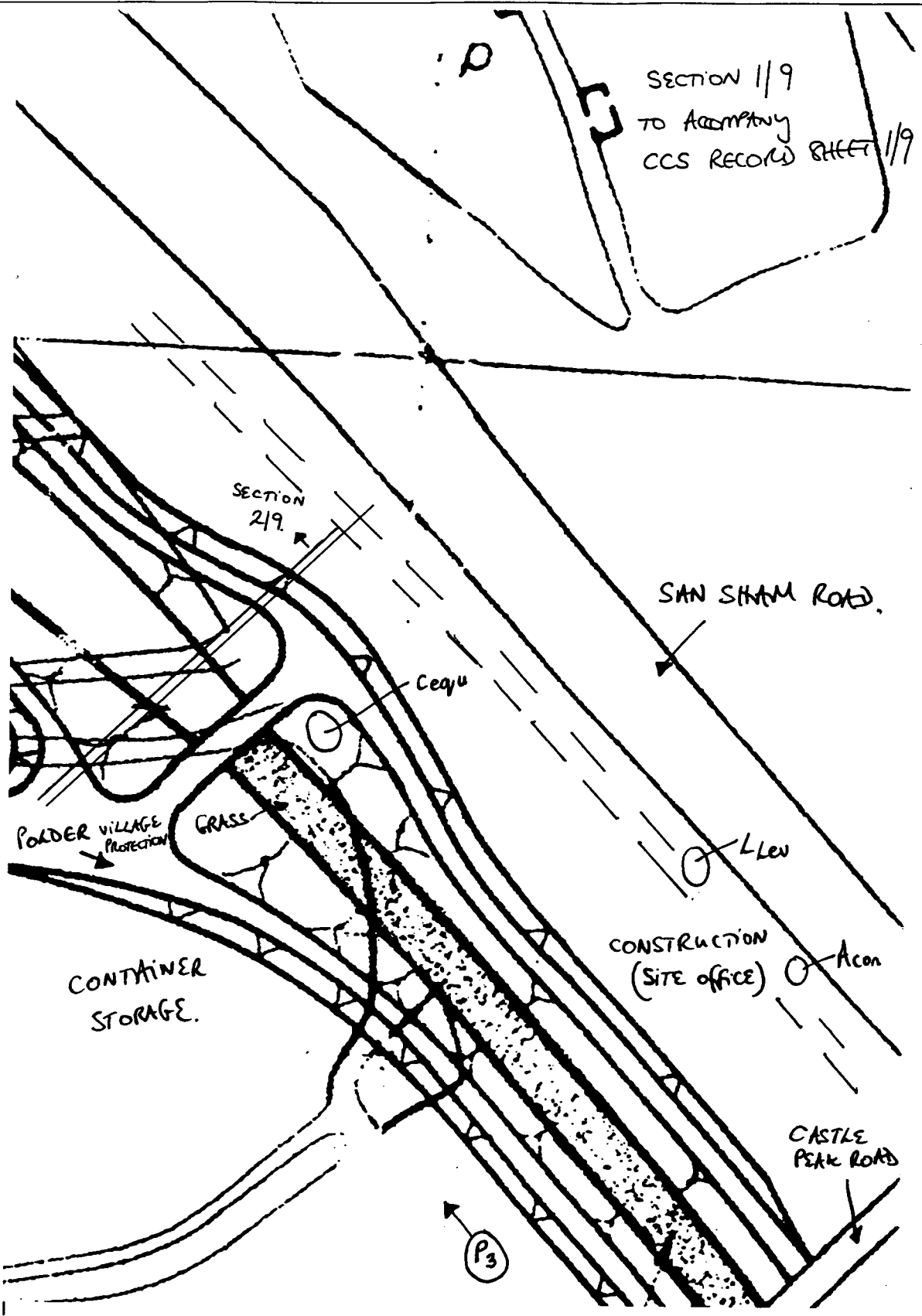
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Annex 3-A Channel Corridor Survey Record Sheets

CHANNEL CORRIDOR SURVEY RECORD SHEET 1 of 9	
Channel: Eastern MDC, San Tin	Date of survey: 20 & 28 / 05 / 1997
Surveyor(s): CIF, KHK, YML, JK	Weather conditions: Sunny, 30°C
Photographic record: P 3	Aerial photos: CNI 6699
Notes: Good access at inter-section between Castle Peak Road and San Sham Road.	
<p>SPECIAL AND TYPICAL FEATURES OF CHANNEL CORRIDOR, MARGINAL VEGETATION AND BANK ZONE HABITATS</p> <p>Channel: Concrete lined (previous works project), little vegetation on aquatic and marginal zone, stream non-flowing, water odorous and appeared highly polluted.</p> <p>Vegetation: <i>Panicum sp.</i>, <i>Lantana camara</i>, <i>Solanum nigrum</i>, <i>Trema orientalis</i>, <i>Bidens pilosa</i>, <i>Ricinus communis</i></p>	
<p>ADJACENT LAND USE</p> <p>Open container storage to West. Construction works - Site office (East side) and Polder Village Protection Scheme (West side).</p>	
<p>NOTES ON INSECTS, BIRDS, MAMMALS AND FEATURES OF SPECIAL INTEREST</p> <p>Tree Sparrow and Crested Myna (carrying nesting material, which indicates an active usage of natural or artificial local nesting sites) were recorded.</p>	
<p>DRAINAGE CHANNEL CHARACTERISTICS</p> <p>Top Span: 28.6m</p> <p>Proposed maintenance road on either side of trapezoidal channel: 5.5m (including verges).</p> <p>Total width: 39.6m~130ft</p>	
<p>POTENTIAL ECOLOGICAL IMPACTS</p> <p>Due to condition of channel there are no potential impacts.</p>	
<p>PROPOSED MITIGATION/SUGGESTIONS FOR HABITAT IMPROVEMENTS</p> <ol style="list-style-type: none"> 1. Retain existing aquatic zone vegetation as a foundation for further growth and to act as a biological pollution filter. 2. Undertake suitable hydroseeding with native species and of beneficial use to wildlife along channel embankments. 	
<p>RESIDUAL ECOLOGICAL IMPACTS</p> <p>After habitat improvement no residual impacts are expected. Residual Impact : Minimal</p>	
<p>KEY ISSUES / SUMMARY</p> <p>Section 1/9 is assessed as being of minimal ecological importance.</p>	



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CHANNEL CORRIDOR SURVEY RECORD SHEET 2 of 9	
Channel: Eastern MDC, San Tin.	Date of survey: 20 & 28 / 05 / 1997
Surveyor(s): CIF, KHK, YML, JK	Weather conditions: Sunny, 30°C
Photographic record: P 4	Aerial photos: CNI 6699
Notes: Good access via San Sham Road and border road. Wooden foot bridge across existing channel.	
<p>SPECIAL AND TYPICAL FEATURES OF CHANNEL CORRIDOR, MARGINAL VEGETATION AND BANK ZONE HABITATS</p> <p>Fish ponds and open storage on West bank, vegetation and border road on East bank.</p> <p>Aquatic zone: polluted water, dense stands of <i>Eichhornia crassipes</i></p> <p>Bank zone: <i>Ricinus communis</i>, <i>Leucaena leucocephala</i>, <i>Panicum</i> spp.</p> <p>Pond bunds : grassy.</p>	
<p>ADJACENT LAND USE</p> <p>Concrete lined channel with grassy banks on NE side.</p> <p>Active fish ponds surrounded by open storage for containers.</p>	
<p>NOTES ON INSECTS, BIRDS, MAMMALS AND FEATURES OF SPECIAL INTEREST</p> <p>Little Egret, House swift, Barn Swallow, Plain Prinia, Yellow bellied Prinia, Common Tailorbird, Crested Myna (carrying nesting material) recorded foraging on the edge of aquatic habitats.</p>	
<p>DRAINAGE CHANNEL CHARACTERISTICS</p> <p>Top Span: 28.6m</p> <p>Proposed maintenance road on either side of trapezoidal channel: 5.5m, (including verge).</p> <p>Total width:39.6m~130ft</p>	
<p>POTENTIAL ECOLOGICAL IMPACTS</p> <ol style="list-style-type: none"> 1.Loss of stream channel aquatic vegetation and marginal zone flora. 2.Permanent loss of adjacent fish ponds. 	
<p>PROPOSED MITIGATION/SUGGESTIONS FOR HABITAT IMPROVEMENTS</p> <ol style="list-style-type: none"> 1.Undertake suitable hydroseeding with native species and of beneficial use to wildlife along channel embankments. 2.Create compensatory wetland and scrub habitats. 	
<p>RESIDUAL ECOLOGICAL IMPACTS</p> <p>After habitat improvement no residual impacts are expected. Residual Impact : Minimal</p>	
<p>KEY ISSUES / SUMMARY</p> <p>Section 2/9 is assessed as being of minimal ecological importance.</p>	

CHANNEL CORRIDOR SURVEY, EASTERN MDC



PHOTO #3, SECTION 1/9

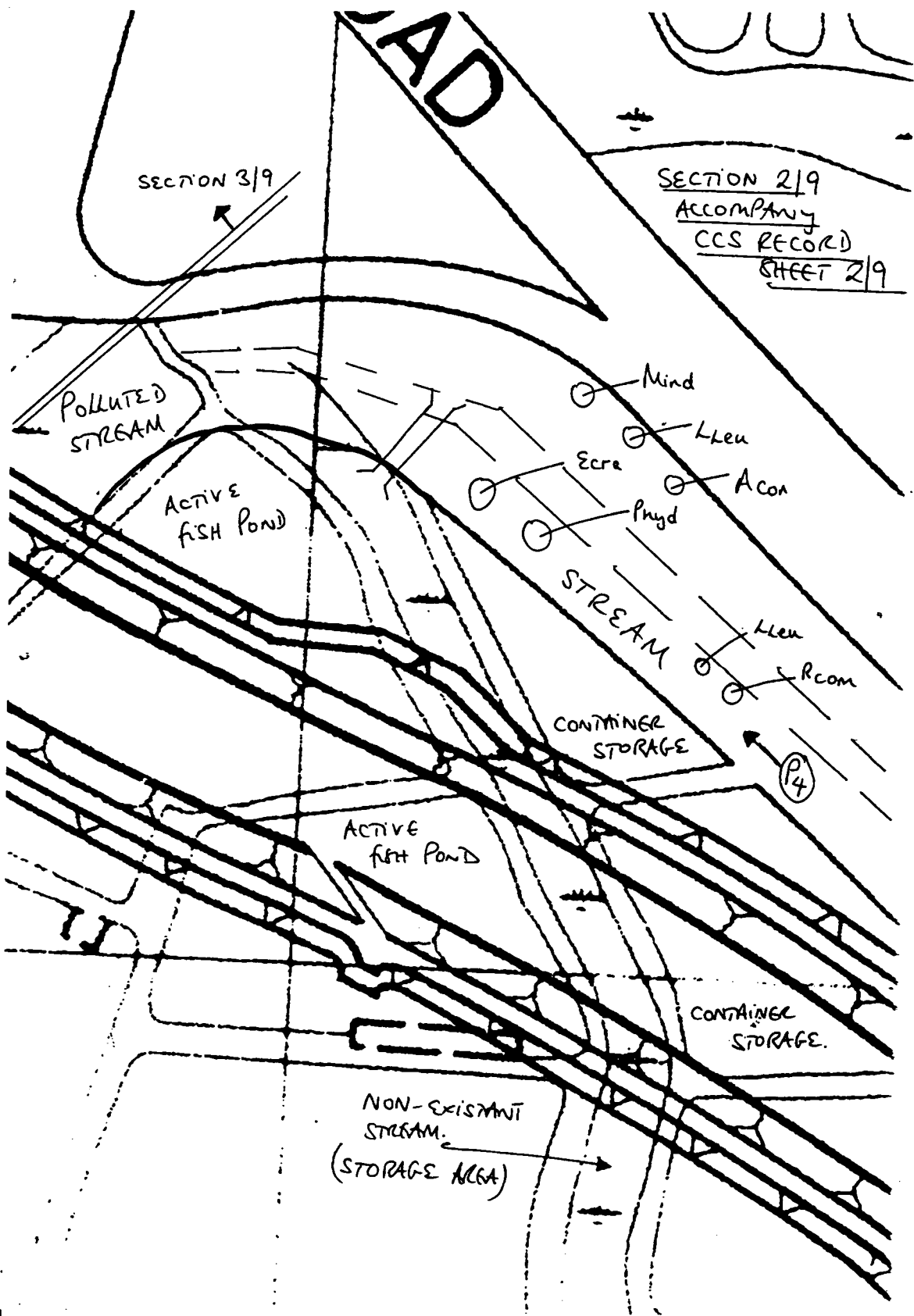


PHOTO #4, SECTION 2/9

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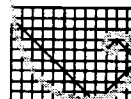
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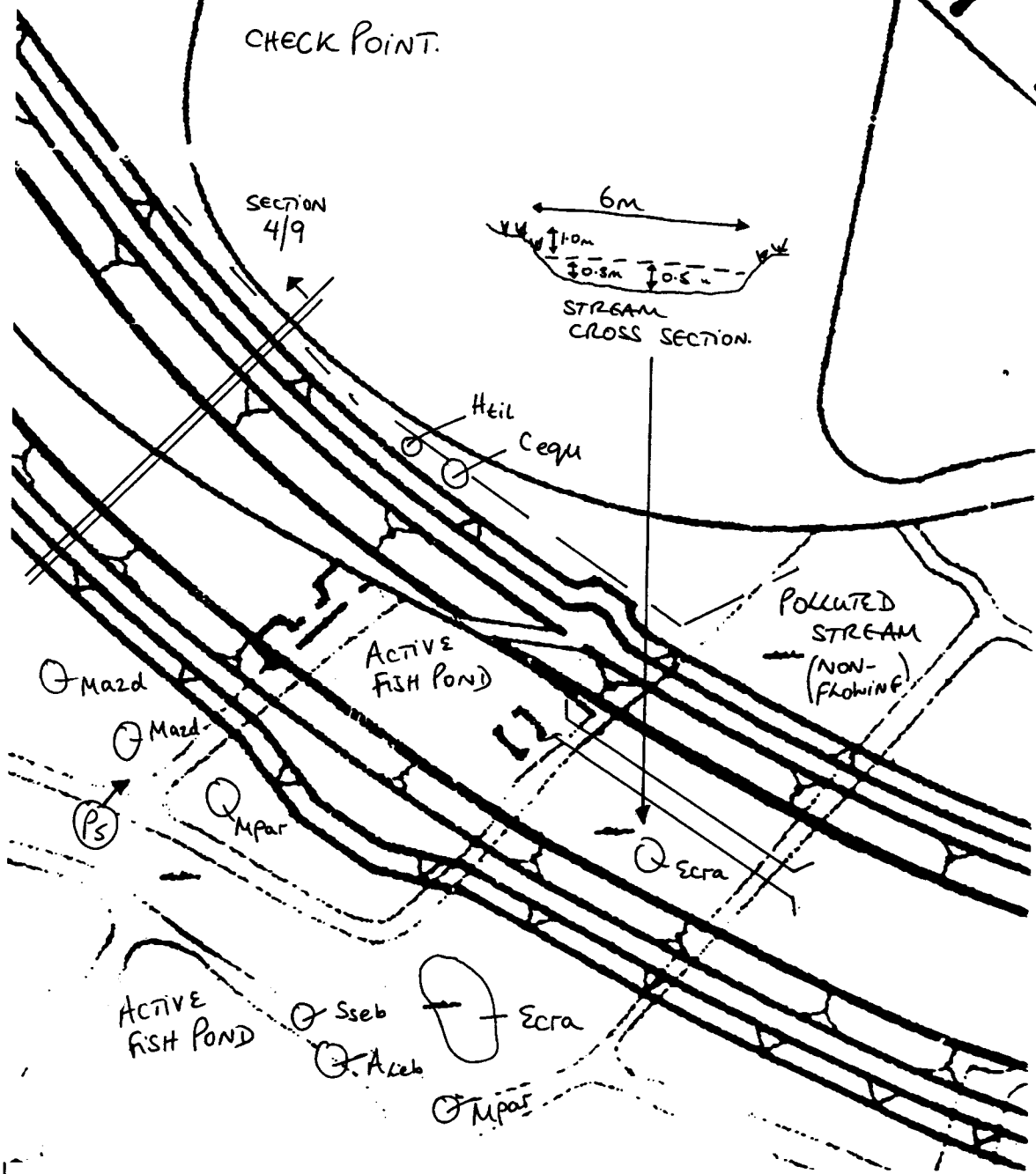
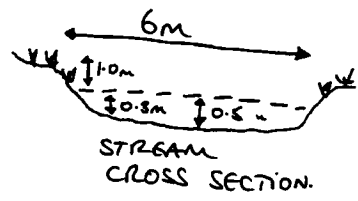
CHANNEL CORRIDOR SURVEY RECORD SHEET 3 of 9	
Channel: Eastern MDC, San Tin.	Date of survey: 20 & 28 / 05 / 1997
Surveyor(s): CIF, KHK, YML, JK	Weather conditions: Sunny, 30°C
Photographic record: P 5	Aerial photos: CNI 6736
Notes: Access via footbridge across channel from border Road. Cross section of stream channel profile.	
<p>SPECIAL AND TYPICAL FEATURES OF CHANNEL CORRIDOR, MARGINAL VEGETATION AND BANK ZONE HABITATS</p> <p>Pond bunds: vegetation included <i>Albizia lebbbeck</i>, <i>Musa paradisiaca</i>, <i>Panicum maximum</i>, <i>Melia azedarach</i>, <i>Commelina nudiflora</i>.</p> <p>Stream channel: water was black, non flowing, and highly polluted. Soft muddy banks.</p> <p>Aquatic zone: isolated patches of <i>Eichhornia crassipes</i>.</p> <p>Bank Zone: <i>Panicum spp.</i>, <i>Polygonum hydropiper</i>, <i>Ricinus communis</i>, <i>Phragmites communis</i>.</p>	
<p>ADJACENT LAND USE</p> <p>Border road on NE side. Active fish ponds on SW side</p>	
<p>NOTES ON INSECTS, BIRDS, MAMMALS AND FEATURES OF SPECIAL INTEREST</p> <p>Yellow Bittern, Feral Pigeon, Common Kingfisher, Barn Swallow, Plain Prinia, Rufous-backed Shrike, Crested Myna and Tree Sparrow recorded foraging near to aquatic habitats.</p> <p>Un identified burrows on pond bunds, probably belonging to rodents.</p>	
<p>DRAINAGE CHANNEL CHARACTERISTICS</p> <p>Top Span: 28.6m</p> <p>Proposed maintenance road on either side of trapezoidal channel: 5.5m (including verges).</p> <p>Total width: 39.6m~130ft</p>	
<p>POTENTIAL ECOLOGICAL IMPACTS</p> <ol style="list-style-type: none"> 1. Loss of stream channel aquatic vegetation. 2. Loss of active fish pond. 3. Habitat loss for insects, birds, and mammals. 	
<p>PROPOSED MITIGATION / SUGGESTIONS FOR HABITAT IMPROVEMENTS</p> <ol style="list-style-type: none"> 1. Undertake suitable hydroseeding with native species of beneficial use to wildlife along channel embankments. 2. Create compensatory habitat such as wetland and scrubland. 	
<p>RESIDUAL ECOLOGICAL IMPACTS</p> <p>After habitat improvement no residual impacts are expected. Residual Impact : Minimal</p>	
<p>KEY ISSUES / SUMMARY</p> <p>Section 3/9 is assessed as being of moderate ecological importance.</p>	

SHAM

SECTION 3/9
ACCOMPANY
CCS RECORDS SHEET 3/9

CHECK POINT.

SECTION 4/9



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CHANNEL CORRIDOR SURVEY RECORD SHEET 4 OF 9	
Channel: Eastern MDC, San Tin	Date of survey: 20 & 28 / 05 / 1997
Surveyor(s): CIF, KHK, YML, JK	Weather conditions: Sunny 30°C
Photographic record: P 6	Aerial photos: CNI 6736
Notes: Access via grassy pond bunds. <u>Site 1</u> Quantitative Survey	
<p>SPECIAL AND TYPICAL FEATURES OF CHANNEL CORRIDOR, MARGINAL VEGETATION AND BANK ZONE HABITATS</p> <p>Tree belt: <i>Casuarina equisetifolia</i>, <i>Hibiscus tiliaceus</i>.</p> <p>Dried channel: dense stand of <i>Eichhornia crassipes</i>, <i>Panicum maximum</i> along marginal zone.</p> <p>Pond bunds: pond bund vegetation included <i>Albizia lebbeck</i>, <i>Melia azedarach</i>, <i>Lantana camara</i>, <i>Digitaria</i> sp. and fruit trees (<i>Citrus maximum</i>, <i>Psidium guajava</i>, <i>Musa paradisiaca</i>, <i>Amygdalus persica</i>).</p>	
<p>ADJACENT LAND USE</p> <p>Infilled fish pond, parking area and border road on NE side.</p> <p>Active fish ponds and Chicken farm, on SW and West side.</p>	
<p>NOTES ON INSECTS, BIRDS, MAMMALS AND FEATURES OF SPECIAL INTEREST</p> <p>Spotted Dove, Common Kingfisher, Barn Swallow, Magpie Robin, Plain Prinia, Black-necked Starling, Crested Myna, Tree Sparrow and White-Breasted Waterhen recorded foraging in aquatic habitats.</p>	
<p>DRAINAGE CHANNEL CHARACTERISTICS</p> <p>Top Span: 28.6m</p> <p>Proposed maintenance road on either side of trapezoidal channel: 5.5m (including verges).</p> <p>Total width: 39.6m~130ft</p>	
<p>POTENTIAL ECOLOGICAL IMPACTS</p> <ol style="list-style-type: none"> 1. Loss of active fish pond and permanent partial loss of adjacent fish ponds. 2. Disturbance to exotic woodland belt and scrubland from construction activities. 3. Loss of marsh and seasonal flooding due to MDC containment. 4. Habitat loss for foraging birds. 	
<p>PROPOSED MITIGATION / SUGGESTIONS FOR HABITAT IMPROVEMENTS</p> <ol style="list-style-type: none"> 1. Undertake suitable hydroseeding with native species of beneficial use to wildlife along embankments. 2. Create compensatory habitat such as wetland and woodland. 3. Fish ponds reinstated to pre-project standard. 4. Retain and protect all existing trees along border road. 	
<p>RESIDUAL ECOLOGICAL IMPACTS</p> <p>After habitat improvement no residual impacts are expected. Residual Impact : Minimal</p>	
<p>KEY ISSUES / SUMMARY</p> <p>Section 4/9 is assessed as being of moderate ecological importance.</p>	

CHANNEL CORRIDOR SURVEY, EASTERN MDC



PHOTO #5, SECTION 3/9



PHOTO #6, SECTION 4/9

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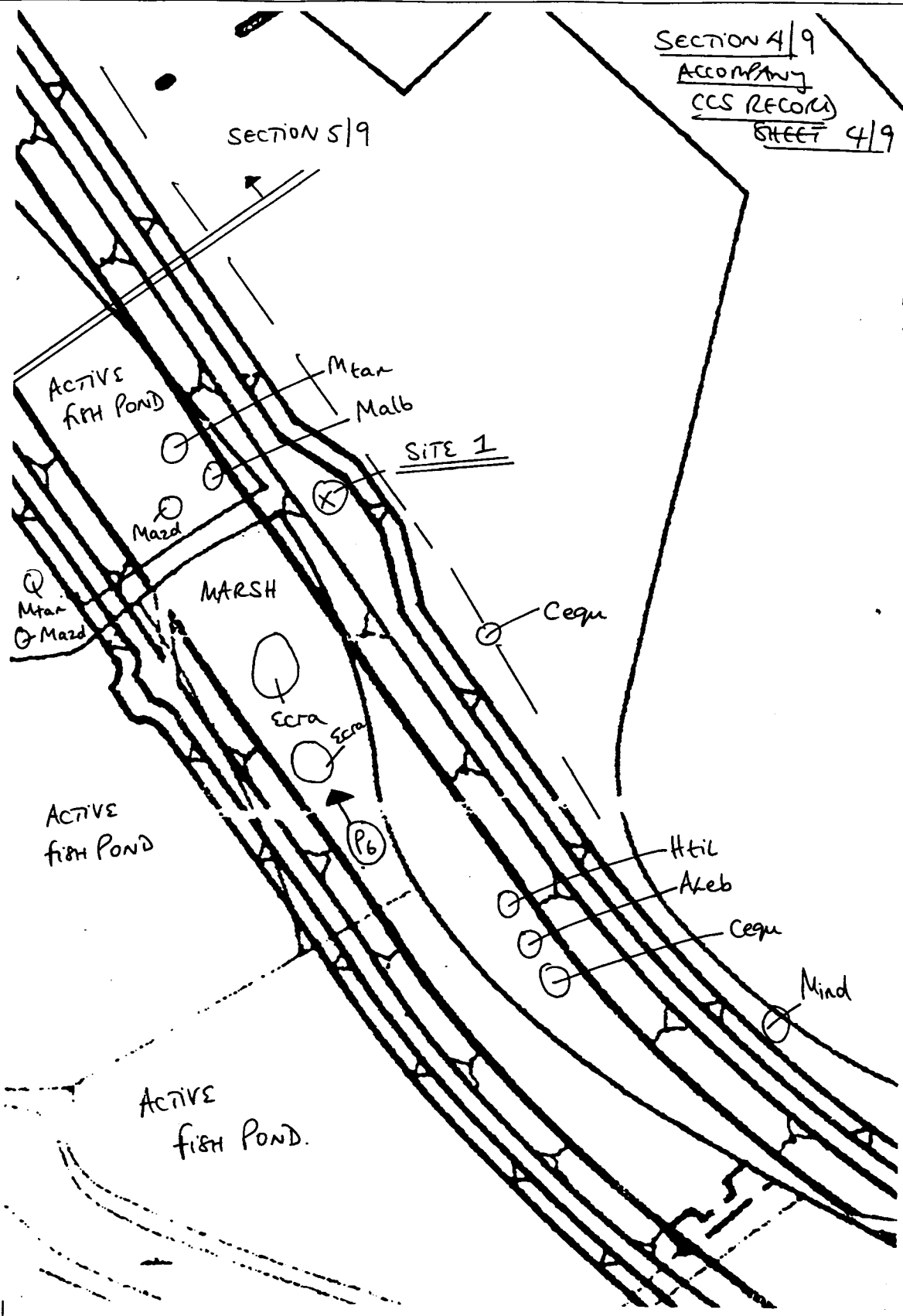
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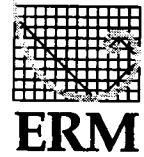
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SECTION 4/9
ACCOMPANY
CCS RECORD
SHEET 4/9

SECTION 5/9



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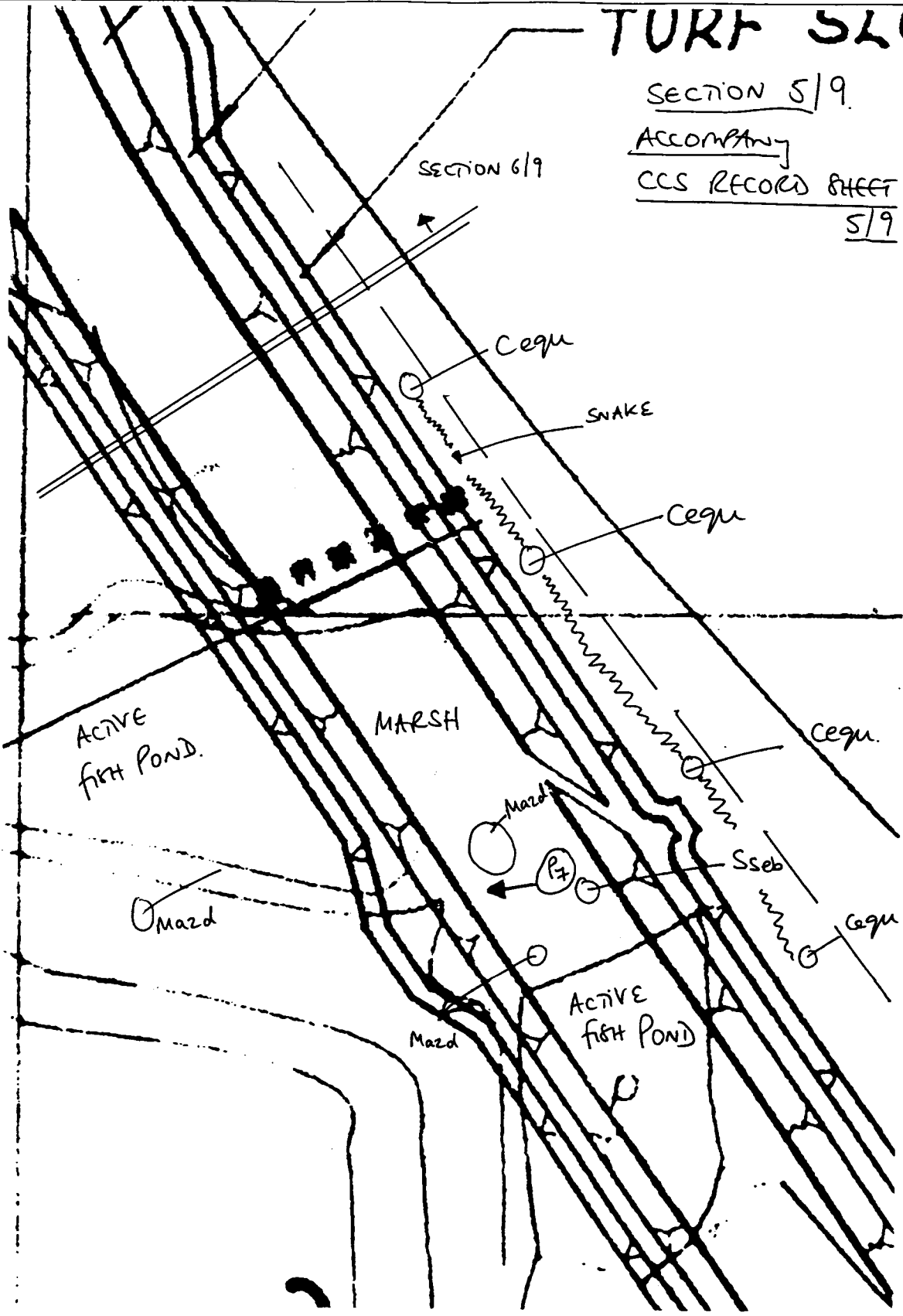


CHANNEL CORRIDOR SURVEY RECORD SHEET 5 of 9	
Channel: Eastern MDC, San Tin.	Date of survey: 20 & 28 / 05 / 1997
Surveyor(s): CIF, KHK, YML, JK	Weather conditions: Sunny, 30°C
Photographic record: P 7	Aerial photos: CNI 6736
Notes: Access via border road	
<p>SPECIAL AND TYPICAL FEATURES OF CHANNEL CORRIDOR, MARGINAL VEGETATION AND BANK ZONE HABITATS</p> <p>Tree belt: <i>Casuarina equisetifolia</i>, <i>Hibiscus tiliaceus</i>.</p> <p>Marsh: <i>Phragmites communis</i>, <i>Panicum repens</i>, <i>Sapium sebiferum</i> with standing black and odorous water.</p> <p>Pond bunds: vegetation included, <i>Melia azedarach</i>, <i>Musa paradisiaca</i>, <i>Macaranga tanarius</i>, <i>Panicum maximum</i>.</p>	
<p>ADJACENT LAND USE</p> <p>Border road to East. Fish ponds on West.</p>	
<p>NOTES ON INSECTS, BIRDS, MAMMALS, REPTILES AND FEATURES OF SPECIAL INTEREST</p> <p>Chinese Pond Heron, Little Egret, Spotted Dove, Barn Swallow, Plain Prinia (carrying nesting material), Yellow-bellied Prinia recorded foraging and roosting along aquatic and woodland habitats.</p> <p>Unidentified dead snake on border road.</p>	
<p>DRAINAGE CHANNEL CHARACTERISTICS</p> <p>Top Span: 44m</p> <p>Proposed maintenance road on either side of trapezoidal channel: 5.5m (including verges).</p> <p>Total width: 55m~180ft</p>	
<p>POTENTIAL ECOLOGICAL IMPACTS</p> <ol style="list-style-type: none"> 1. Loss of active fish ponds and permanent partial loss of adjacent fish ponds 2. Disturbance to exotic woodland belt and scrubland from construction activities 3. Loss of marsh and seasonal flooding due to MDC containment. 4. Habitat loss for insects, birds mammals reptiles and amphibians. 	
<p>PROPOSED MITIGATION / SUGGESTIONS FOR HABITAT IMPROVEMENTS</p> <ol style="list-style-type: none"> 1. Undertake suitable hydroseeding with native species of beneficial use to wildlife along both channel embankments. 2. Create compensatory habitat such as wetland and woodland. 3. Fish ponds reinstated to pre-project condition. 4. Retain and protect all existing trees along border road. 	
<p>RESIDUAL ECOLOGICAL IMPACTS</p> <p>After habitat improvement no residual impacts are expected. Residual Impact : Minimal</p>	
<p>KEY ISSUES / SUMMARY</p> <p>Section 5/9 is assessed as being of moderate ecological importance.</p>	

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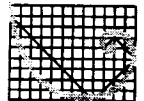
SECTION 5/9.

ACCOMPANY
CCS RECORD SHEET
5/9



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CHANNEL CORRIDOR SURVEY RECORD SHEET 6 of 9	
Channel: Eastern MDC, San Tin	Date of survey: 20 & 28 / 05 / 1997
Surveyor(s): CIF, KHK, YML, JK	Weather conditions: Sunny, 30°C
Photographic record: P 9	Aerial photos: CN 16619R
Notes: Access through stream channel and marsh.	
SPECIAL AND TYPICAL FEATURES OF CHANNEL CORRIDOR, MARGINAL VEGETATION AND BANK ZONE HABITATS Marsh: extensive coverage of <i>Phragmites communis</i> , <i>Panicum</i> spp., <i>Echinochloa</i> spp. Pond bund: covered with <i>Mikania micrantha</i>	
ADJACENT LAND USE Tree belt: <i>Casuarina equisetifolia</i> and <i>Hibiscus tiliaceus</i> . Active fish ponds to the West.	
NOTES ON INSECTS, BIRDS, MAMMALS AND FEATURES OF SPECIAL INTEREST Night Heron, Feral Pigeon (large flock), Spotted Dove, Barn Swallow, Crested Bulbul, Common Tailorbird, Black-necked Starling, Crested Myna, Plain and Yellow bellied Prinia (carrying nesting material) recorded foraging along aquatic habitats.	
DRAINAGE CHANNEL CHARACTERISTICS Top Span: 44m Proposed maintenance road on either side of trapezoidal channel: 5.5m (including verges). Total width: 55m~180ft	
POTENTIAL ECOLOGICAL IMPACTS 1. Loss of active fish ponds and permanent partial loss of adjacent ponds. 2. Disturbance to exotic woodland belt and scrubland from construction activities 3. Loss of marsh and seasonal flooding due to MDC containment. 4. Habitat loss for insects, birds and mammals reptiles, amphibians	
PROPOSED MITIGATION / SUGGESTIONS FOR HABITAT IMPROVEMENTS 1. Undertake suitable hydroseeding with native species and which is of beneficial use to wildlife along both channel embankments. 2. Create compensatory habitat such as wetland and woodland. 3. Fish ponds reinstated to pre-project condition. 4. Retain and protect all existing trees along border road.	
RESIDUAL ECOLOGICAL IMPACTS After habitat improvement no residual impacts are expected. Residual Impact : Minimal	
KEY ISSUES / SUMMARY Section 6/9 is assessed as being of moderate ecological importance.	

CHANNEL CORRIDOR SURVEY, EASTERN MDC



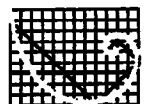
PHOTO #7, Section 5/9



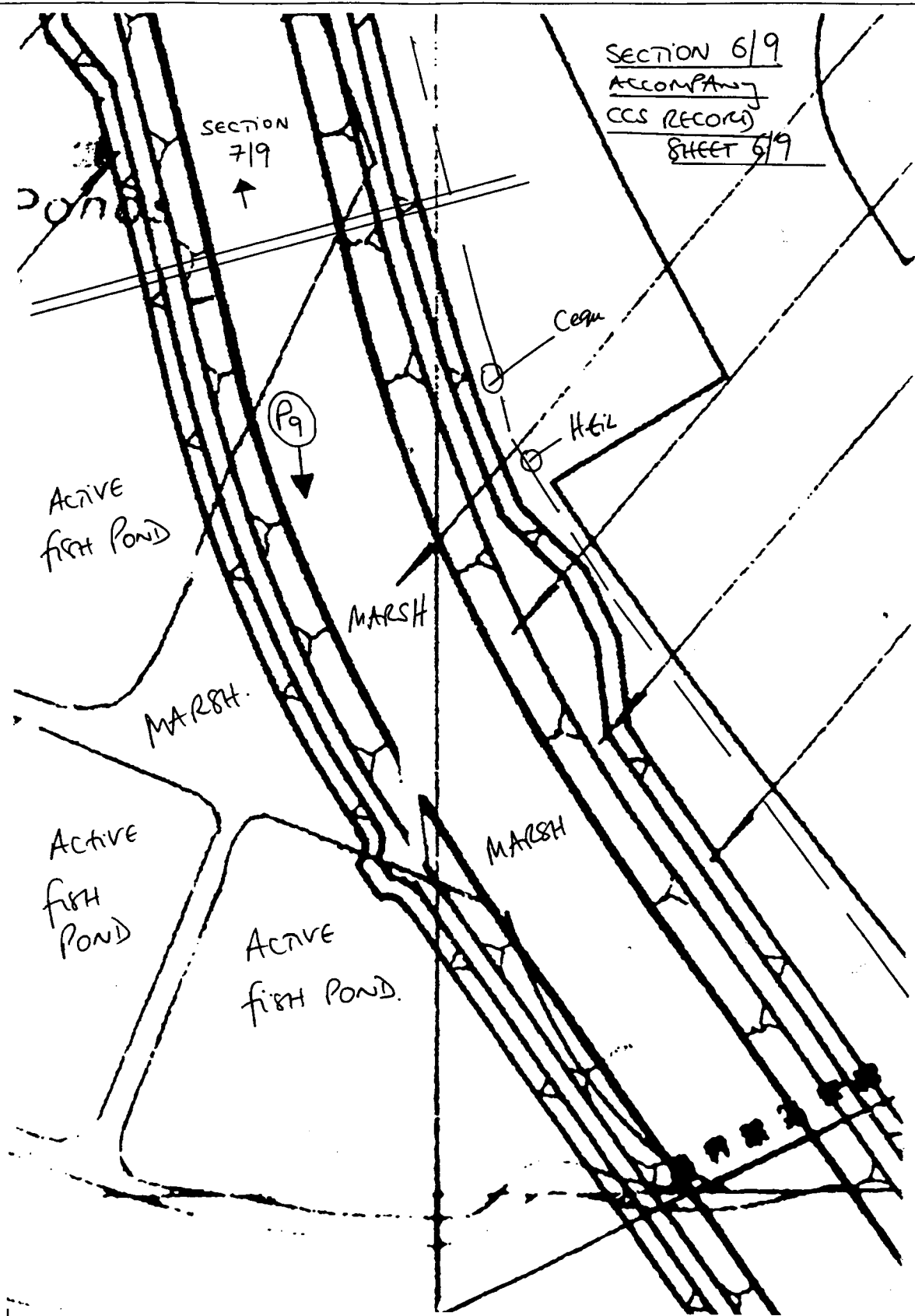
PHOTO #9, SECTION 6/9

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SECTION 619
 ACCOMPANY
 CCS RECORDS
 SHEET 619

SECTION 719
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Active fish POND

MARSH

MARSH

Active fish POND

Active fish POND

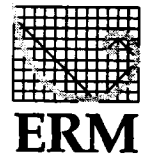
MARSH

Cegu

H-612

P9

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CHANNEL CORRIDOR SURVEY RECORD SHEET 7 of 9	
Channel: Eastern MDC, San Tin.	Date of survey: 20 & 28 / 05 / 1997
Surveyor(s): CIF, KHK, YML, JK	Weather conditions: Sunny, 30°C
Photographic record: P 13	Aerial photos: CN 16619R
Notes: Access from border road. Site 2 Quantative Survey	
<p>SPECIAL AND TYPICAL FEATURES OF CHANNEL CORRIDOR, MARGINAL VEGETATION AND BANK ZONE HABITATS</p> <p>Marsh: covered in <i>Phragmites communis</i>, <i>Panicum spp.</i> <i>Echinochloa sp.</i></p> <p>Pond bund: covered with <i>Mikania micrantha</i>.</p>	
<p>ADJACENT LAND USE</p> <p>Tree belt lined with <i>Casuarina equisetifolia</i>, <i>Hibiscus tiliaceus</i>. Border road to East.</p> <p>Active fish ponds to West.</p>	
<p>NOTES ON INSECTS, BIRDS, MAMMALS AND FEATURES OF SPECIAL INTEREST</p> <p>Chinese Pond Heron, Common Kingfisher, Barn Swallow, Black-necked Starling, Crested Myna, Yellow-bellied Prinia (carrying nesting material), Rufous-backed Shrike (juveniles) recorded foraging along aquatic habitats. A <u>Pheasant-tailed Jacana</u> was seen foraging at an adjacent fish pond.</p> <p>Gomphid Dragonfly <i>Stylogomphus chunlinae</i> recorded (not common).</p>	
<p>DRAINAGE CHANNEL CHARACTERISTICS</p> <p>Top Span: 44m</p> <p>Proposed maintenance road on either side of trapezoidal channel: 5.5m (including verges).</p> <p>Total width:55m~180ft</p>	
<p>POTENTIAL ECOLOGICAL IMPACTS</p> <ol style="list-style-type: none"> 1.Loss of active fish ponds and permanent partial loss of adjacent fish ponds. 2. Disturbance to exotic woodland belt and scrubland from construction activities 3.Loss of marsh and seasonal flooding due to MDC containment. 4.Habitat loss for insects and birds. 	
<p>PROPOSED MITIGATION/SUGGESTIONS FOR HABITAT IMPROVEMENTS</p> <ol style="list-style-type: none"> 1.Undertake suitable hydroseeding with native species and which is of beneficial use to wildlife along both embankments. 2.Create compensatory habitat such as wetland and woodland. 3.Fish ponds reinstated to pre-project condition. 4.Retain and protect all existing trees along border road. 	
<p>RESIDUAL ECOLOGICAL IMPACTS</p> <p>After habitat improvement no residual impacts are expected. Residual Impact : Minimal</p>	
<p>KEY ISSUES / SUMMARY</p> <p>Section 7/9 is assessed as being of moderate ecological importance. Special note must be given to the record of the Pheasant tailed Jacana which is rare migrant passage bird.</p>	

SECTION 8/19

SECTION 7/19

Accompanying
CCS RECORD
SHEET 7/9

Mpar
Drom

SITE 2

M
A
R
S
H

Sseb

ACTIVE FISH POND

PHEASANT
TAILED
JACANA

P13

Cegu

Cegu

POND

Cegu

ACTIVE FISH POND

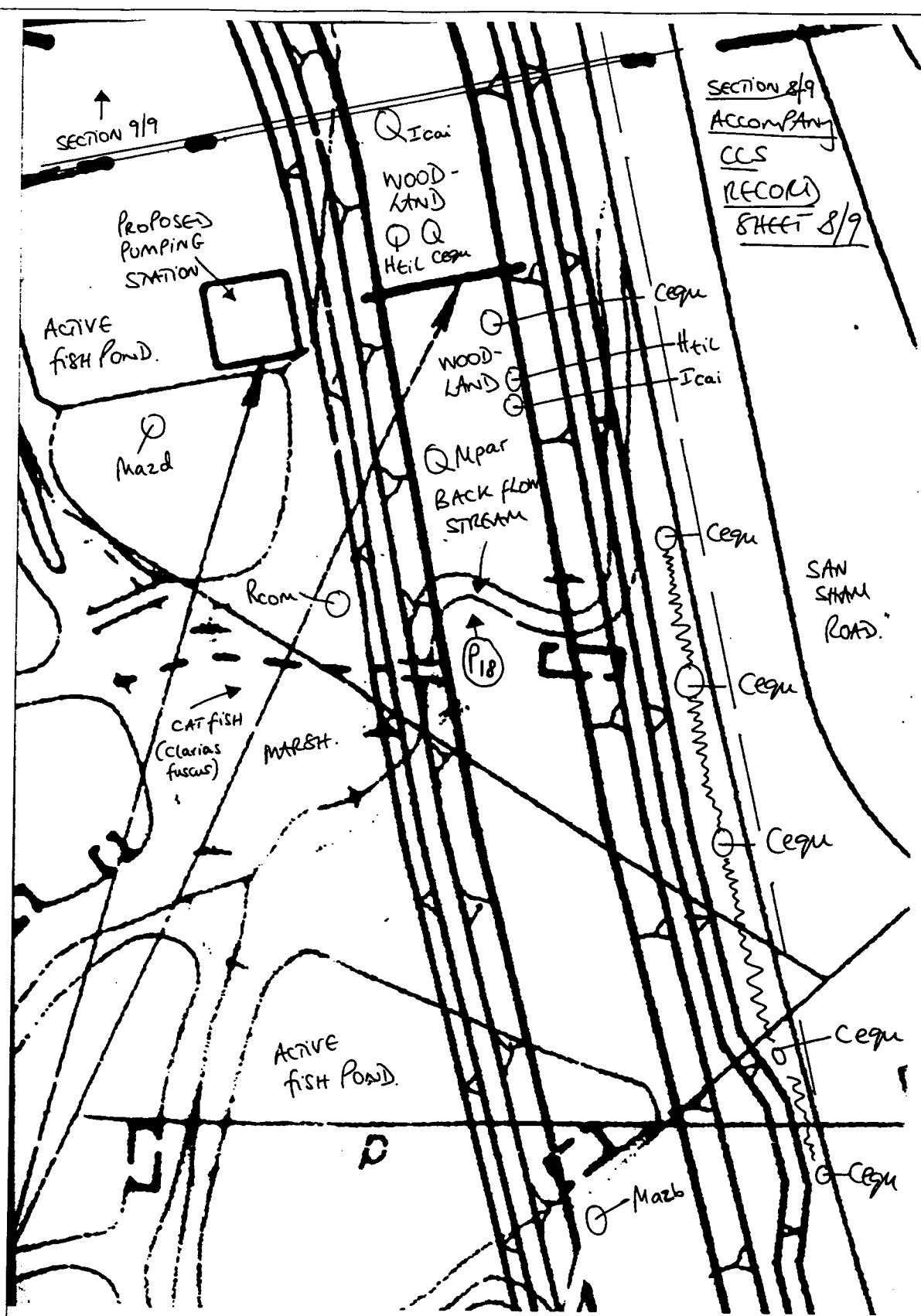
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CHANNEL CORRIDOR SURVEY RECORD SHEET 8 of 9	
Channel: Eastern MDC, San Tin.	Date of survey: 20 & 28 / 05 / 1997
Surveyor(s): CIF, KHK, YML, JK	Weather conditions: Sunny, 30°C
Photographic record: P 18	Aerial photos: CN 16619R
Notes: Access from border Road	
<p>SPECIAL AND TYPICAL FEATURES OF CHANNEL CORRIDOR, MARGINAL VEGETATION AND BANK ZONE HABITATS</p> <p>Pond bund: sparse vegetation on bunds.</p> <p>Abandoned pond bund: <i>Mikania micrantha</i>.</p> <p>Small area of cultivated land. Drainage channel containing black and odorous backflow water from Shenzhen River.</p> <p>Plantation woodland: <i>Casuarina equisetifolia</i> and <i>Hibiscus tiliaceus</i></p>	
<p>ADJACENT LAND USE</p> <p>Border road and San Sham Road to East.</p> <p>Active fish ponds to West.</p>	
<p>NOTES ON INSECTS, BIRDS, MAMMALS, FISH AND FEATURES OF SPECIAL INTEREST</p> <p>Common Kingfisher, Barn Swallow, Yellow-bellied Prinia, Crested Myna, Tree Sparrow, Black-necked Starling (carrying nesting material) recorded foraging and roosting along aquatic and woodland habitats.</p> <p>Single catfish, <i>Clarias fuscus</i> seen in shallow water of channel.</p> <p>Gomphid Dragonfly <i>Stylogomphus chunlinae</i> recorded (not common)</p>	
<p>DRAINAGE CHANNEL CHARACTERISTICS</p> <p>Top Span: 44m</p> <p>Proposed maintenance road on either side of trapezoidal channel: 5.5m (including verges).</p> <p>Total width: 55m~180ft</p> <p>Proposed site of Pumping Station</p>	
<p>POTENTIAL ECOLOGICAL IMPACTS</p> <ol style="list-style-type: none"> 1. Loss of active fish pond and permanent partial loss of active fish ponds. 2. Loss of marsh and plantation woodland. 3. Habitat loss for insects, birds, mammals, reptiles and amphibians 	
<p>PROPOSED MITIGATION / SUGGESTIONS FOR HABITAT IMPROVEMENTS</p> <ol style="list-style-type: none"> 1. Undertake suitable hydroseeding with native species and which is of beneficial use to wildlife along both embankments. 2. Create compensatory habitat such as wetland and woodland. 3. Fish ponds reinstated to pre-project condition. 4. Retain and protect all existing trees along border road. 	
<p>RESIDUAL ECOLOGICAL IMPACTS</p> <p>After habitat improvement no residual impacts are expected. Residual Impact : Minimal</p>	
<p>KEY ISSUES / SUMMARY</p> <p>Section 8/9 is assessed as being of moderate ecological importance</p>	



SECTION 8/9
 ACCOMPANYING
 CCS
 RECORD
 SHEET 8/9

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 Hong Kong



CHANNEL CORRIDOR SURVEY, EASTERN MDC

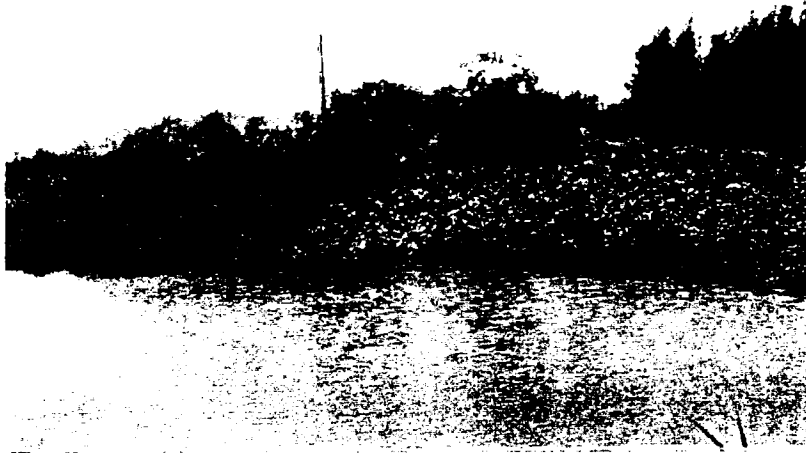


PHOTO #13, SECTION 7/9



PHOTO #18, SECTION 8/9

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Hong Kong



CHANNEL CORRIDOR SURVEY RECORD SHEET 9 of 9	
Channel: Eastern MDC, San Tin.	Date of survey: 20 & 28 / 05 / 1997
Surveyor(s): CIF, KHK, YML, JK	Weather conditions: Sunny, 30°C
Photographic record: P 20	Aerial photos: CN 16619R
Notes: Access via San Sham and border road.	
<p>SPECIAL AND TYPICAL FEATURES OF CHANNEL CORRIDOR, MARGINAL VEGETATION AND BANK ZONE HABITATS</p> <p>Abandoned fish pond due to relocation of Border fence for Shenzhen River Regulation Project. Pond bunds: Vegetation included <i>Cyperus</i> spp., <i>Sapium sebiferum</i>, <i>Bidens pilosa</i>, <i>Praxelis clematidea</i>, <i>Pueraria</i> spp., <i>Gynura bicolor</i>.</p>	
<p>ADJACENT LAND USE</p> <p>Tree belt and San Sham flyover to East. Abandoned and active fish ponds to the West. Stream channel contained polluted back flow water Excavating has already commenced on SRRP, Stage 2.</p>	
<p>NOTES ON INSECTS, BIRDS, MAMMALS AND FEATURES OF SPECIAL INTEREST</p> <p>Night Heron, Little Egret, Feral Pigeon, Barn Swallow, and Yellow-bellied Prinia recorded foraging and roosting along aquatic and woodland habitats.</p>	
<p>DRAINAGE CHANNEL CHARACTERISTICS</p> <p>Top Span: 47m Proposed maintenance road on either side of trapezoidal channel: 5.5m (including verges). Total width: 58m~190ft</p>	
<p>POTENTIAL ECOLOGICAL IMPACTS</p> <ol style="list-style-type: none"> 1. Loss of active fish pond and permanent partial loss of adjacent fish ponds. 2. Loss of marsh, seasonal flooding and backflow of brackish water from Shenzhen River 3. Loss of woodland belt. 4. Habitat loss for insects, birds, mammals, reptiles and amphibians 	
<p>PROPOSED MITIGATION / SUGGESTIONS FOR HABITAT IMPROVEMENTS</p> <ol style="list-style-type: none"> 1. Undertake suitable hydroseeding with native species and which is of beneficial use to wildlife along both embankments. 2. Create compensatory habitat such as wetland and woodland. 3. Fish ponds reinstated to pre-project condition. 4. Retain and protect all existing trees along border road. 5. Creating an intertidal mangrove habitat at the MDC and Shenzhen River junction. 	
<p>RESIDUAL ECOLOGICAL IMPACTS</p> <p>After habitat improvement no residual impacts are expected. Residual Impact : Minimal</p>	
<p>KEY ISSUES / SUMMARY</p> <p>Plantation of a mangal community at the junction would constitute as on site mitigation for the Western MDC. Section 9/9 is assessed as being of moderate ecological importance</p>	

CHANNEL CORRIDOR SURVEY, EASTERN MDC



PHOTO #20, SECTION 9/9

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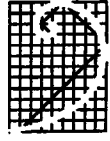
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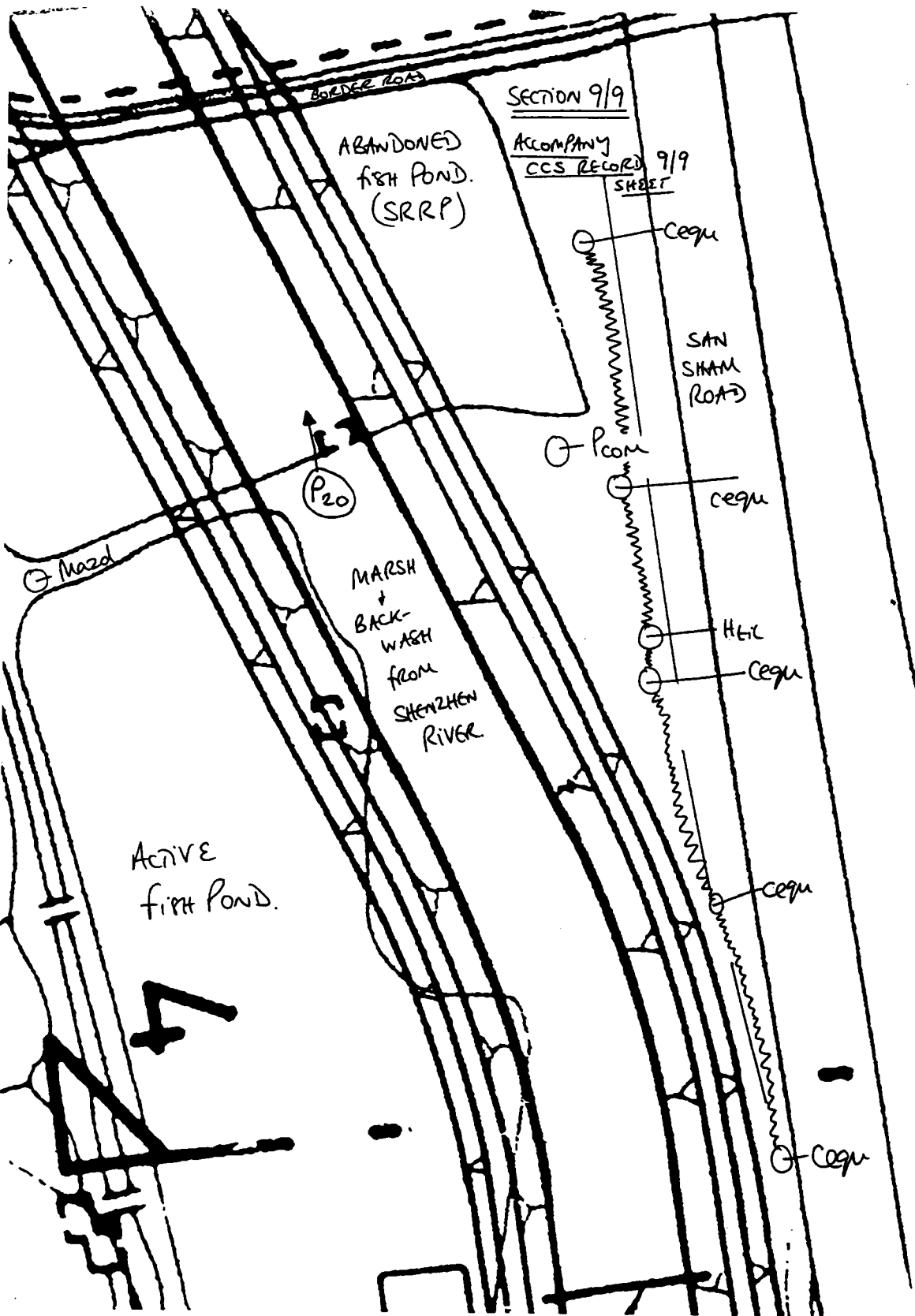
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