

Your Ref.: (ND/2019/01)/R05/600/D01356
Our Ref.: KTN/19.10.00.00/01417/L
Date: 05 January 2021

AECOM Asia Co. Ltd.
8/F, Grand Central Plaza, Tower 2,
138 Shatin Rural Committee Road,
Shatin, N.T.
Hong Kong

By Hand

Attn: Mr. Alan Lee

Dear Sir,

Contract No. ND/2019/01
Kwu Tung North New Development Area, Phase 1:
Site Formation and Infrastructure Works
Submission for Environmental Permit (EP No. EP-467/2013/A)

We refer to your letter dated 23 December 2020 regarding the captioned submission, enclosed please find the revised version for your further review.

Please note that the submission which is certified by Environmental Team (ET) and verified by Independent Environmental Checker (IEC) on 04 January 2021 and 05 January 2021 respectively.

Thank you for your kind attention.

Yours faithfully,

For and on behalf of

Build King – Richwell Engineering Joint Venture



Ivan Leung
Site Agent

KL/~~BY~~/ET

Encl.

Our Ref: WMA20002/AECOM/it210104

AECOM

8/F Grand Central Plaza Tower 2
138 Shatin Rural Committee Road
Shatin, Hong Kong

By Mail
4th January 2021

Attn.: Mr. Chris Ho

Dear Mr. Ho,

Service Contract No. NDO 04/2019

Environmental Team for Environmental Monitoring and Audit Works in Construction Phase for the First Phase Development of Kwu Tung North and Fanling North New Development Areas

- Contract No.: ND/2019/01 Kwu Tung North New Development Area, Phase 1: Site Formation and Infrastructure Works

Environmental Permit No. EP-467/2013/A:


Condition 2.7 – Measures to mitigate Cultural Heritage Impact (Photographic and Cartographic Records)

I refer to the revised Cartographic and Photographic Recording Report (EP Condition 2.7) submitted by the Contractor (Build King –Richwell Engineering Joint Venture) of the captioned Contract (ND/2019/01) via email dated 4th January 2021.

I am pleased to inform you that I have no further comment and I hereby agree to certify the above document in accordance with the Environmental Permit (No. EP-467/2013/A), Condition 1.9 and 2.7.

If you need any further information, please call our Ms. Ivy Tam at 2151 2090 or me at 2151 2089.

Yours faithfully,
WELLAB Limited



Dr. Priscilla Choy
Environmental Team Leader

c.c. CEDD (Attn: Mr. FAN Kwok Shing, Felix)
IEC - Mott MacDonald Hong Kong Ltd
(Attn.: Mr. Thomas Chan)
Contractor - Build King –Richwell Engineering Joint Venture
(Attn.: Mr. Edward Tam)

By e-mail: felixksfan@cedd.gov.hk

By e-mail: Thomas.Chan@mottmac.com

By e-mail: edward.tam@buildking.hk



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Attention: Mr. Chris Ho

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Agreement No. CE 33/2019 (EP)
Independent Environmental Checker for Environmental Monitoring and Audit Works in Construction Phase for the First Phase Development of Kwu Tung North and Fanling North New Development Areas – Investigation

Contract No. ND/2019/01 Kwu Tung North New Development Area, Phase 1:
Site Formation and Infrastructure Works -
Environmental Permit No. EP-467/2013/A: Measures to mitigate Cultural Heritage Impact (Photographic and Cartographic Records) (Condition 2.7)

5 January 2021

BY EMAIL

Reference is made to the Contractor's (Build King - Richwell Engineering Joint Venture) submission of Measures to mitigate Cultural Heritage Impact (Photographic and Cartographic Records) (Condition 2.7) of the captioned Contract (ND/2019/01) in accordance with the Environmental Permit (No. EP-467/2013/A) certified by the ET Leader on 4 January 2021.

We would like to inform you that we have no adverse comment on the captioned submission. Therefore, we write to verify the captioned submission in accordance with the requirement stipulated in Condition 1.9 and 2.7 of EP-467/2013/A.

Should you have any queries, please contact the undersigned at 2828 5967.

Yours faithfully,
For and on behalf of the
Mott MacDonald Hong Kong Limited

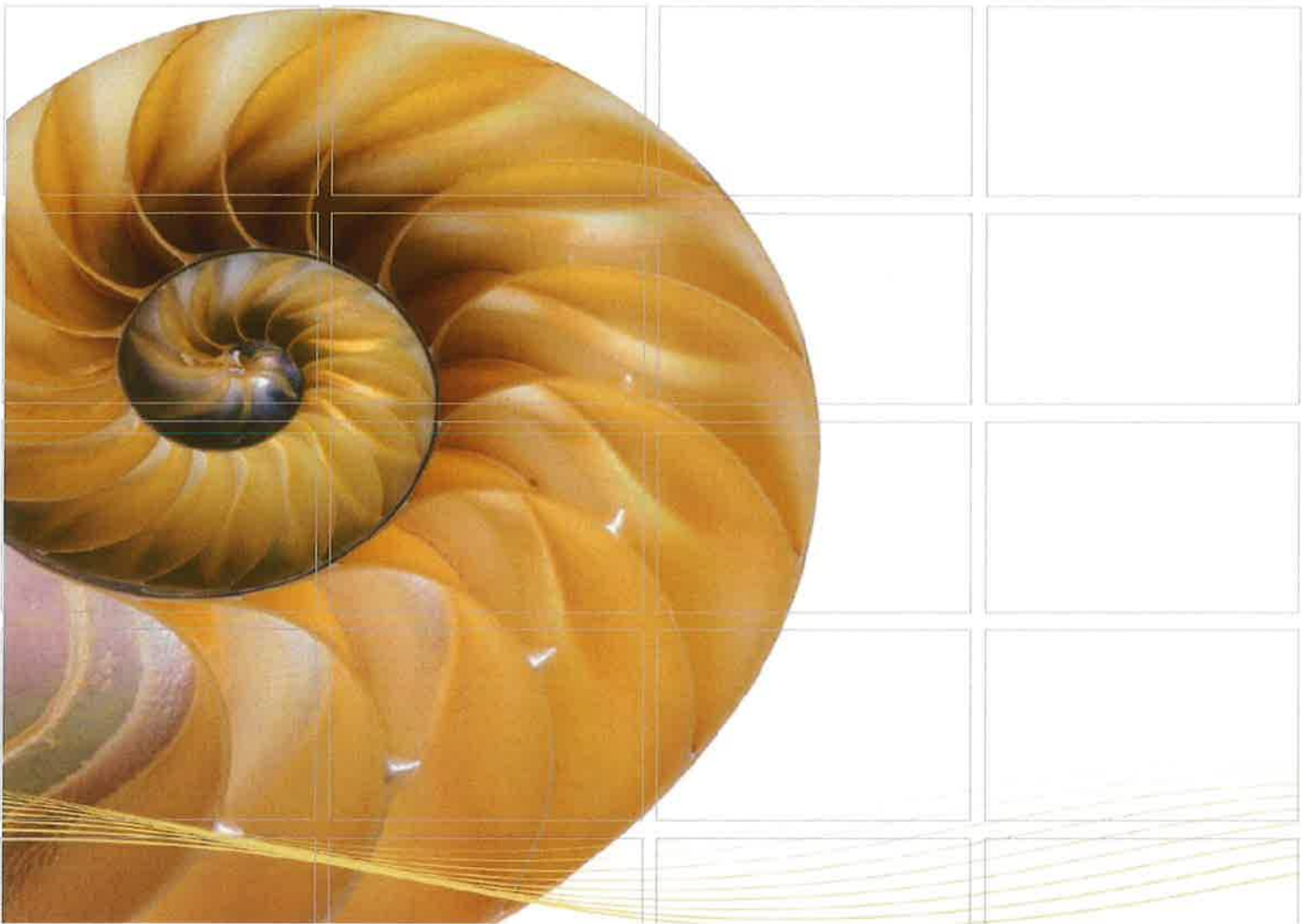
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c.c.

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Build King - Richwell Engineering
Joint Venture

**Contract No. ND/2019/01
Kwu Tung North New
Development Area, Phase
1: Site Formation and
Infrastructure Works**

**Cartographic and Photographic Recording
Report**

4 January 2021

Project No.: 0560121

Document details	The details entered below are automatically shown on the cover and the main page footer. PLEASE NOTE: This table must NOT be removed from this document.
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Signature Page

04 January 2021

**Contract No. ND/2019/01 Kwu Tung North
New Development Area, Phase 1: Site
Formation and Infrastructure Works**

Cartographic and Photographic Recording Report



Frank Wan
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1. INTRODUCTION

1.1 Background

The Environmental Impact Assessment (EIA) Report (Register No.: *AEIAR-175/2013*) (approved EIA Report) for the *North East New Territories New Development Areas* (the Project) was approved on 18 October 2013 and an Environmental Permit (EP) was granted on 21 November 2013 and amended on 27 January 2017 (EP No: *EP-467/2013/A*) for the construction and operation of the Project.

The construction of the Project has been divided into a series of Works Contracts and Contract No. *ND/2019/01* (the Contract) covers the Site Formation and Infrastructure Works for Kwu Tung North New Development Areas (hereinafter referred to as “the Contract”). The Contract works commenced in December 2019 and will take about 73 months to complete. Build King-Richwell Engineering Joint Venture (the Contractor) has been commissioned by the Civil Engineering and Development Department (CEDD) to carry out this construction works under this Contract.

As stated in Condition 2.7 of the EP of the Project, photographic and cartographic records of directly impacted cultural/ historical landscape feature at locations KT44 and KT52 ⁽¹⁾ as shown in Figure 2b of the EP (see Appendix A) shall be kept by the Permit Holder and a copy of the record shall be deposited with the Director of Environmental Protection prior to commencement of the respective removal or relocation works.

ERM-Hong Kong, Limited (ERM) has been commissioned by the Contractor to carry out the cartographic and photographic recording of the cultural/historical landscape feature at locations KT44 and KT52 fell within the works area boundary and to be impacted by the construction works under the Contract.

This *Cartographic and Photographic Recording Report* is prepared to present the findings of the cartographic and photographic records under the Contract.

1.2 Scope

The cartographic and photographic recording work covers two graves as listed in *Table 1.1* below. For their locations, please refer to Figure 2b of the EP in Appendix A.

Table 1.1: Graves Required for Cartographic and Photographic Recording

Site Code	Site Name	Location
KT44	Man Clan Grave of Chau Tau Tsuen	North of Pak Shek Au, Kwu Tung
KT52	Man Clan Grave of Chau Tau Tsuen	North of Pak Shek Au, Kwu Tung

Note:

KT38 is out of site boundary and direct impact would not expected.

1.3 Structure of the Report

Following this introductory section, the remainder of this *Report* comprises the following sections:

Section 2 explains the methodology of the cartographic and photographic recording work;

⁽¹⁾ KT38 mentioned in the EP is outside the works area boundary under this Contract.

Section 3 presents the findings from the cartographic and photographic records; and

Section 4 lists the bibliographies cited in this *Report*.

The following Appendixes are also included:

- Appendix A Findings Extracted from the Approved EIA Report & Figure Extracted from EP
- Appendix B Drawings from the Cartographic Recording Work
- Appendix C Photographic Records from the Photographic Recording

2. METHODOLOGY

2.1 Cartographic Recording

The following measured drawings are prepared to show the existing condition of the cultural/ historical landscape features to be impacted by the Contract:

1. Site plan showing the location of the structures/features to 1:500 with key plan to 1:20,000.
2. Floor plan(s) showing the structure/feature and any important features or area adjoining the structure/feature to 1:20 or 1:50, as appropriate.
3. At least two cross-sections through the structure/feature sufficient to show the architectural characteristics of the structure/feature to 1:10 or 1:20, as appropriate. Elevation of each face of the structure/feature (except the well) to 1:10 or 1:20, as appropriate.
4. Architectural features/details to scale 1:10 or 1:5, as appropriate together with location plans will be provided. All the features should be numbered and listed on a cross-referenced checklist together with the reference number of their photographs (as recorded in the photographic survey) and their location plans and detailed drawings.
5. Construction details will be noted, such as type of brick bonding, joints in granite features etc., to scale 1:10 or 1:5, as appropriate. The number of courses of brickwork or masonry work will also be recorded on the appropriate elevation plan(s) (if feasible). This also applies to the detailed drawings of other architectural features/details.
6. The level of detail (such as depth, interior and construction details, water level etc.) for drawings of the well will be subject to site condition.
7. All the plans will show North point.
8. Drawings will be annotated with descriptions of the construction materials used in the construction of the principal elements, e.g. paving, walls, etc.

2.2 Photographic Recording

All the photographic recording is done in digital format (of at least 8Mb). The following recording is prepared:

1. The overall site environment including the siting of the item(s) to be surveyed and its ancillary building(s) and structure(s) together with its/ their immediate surroundings, the general landscape, including important trees and types of paving.
2. The exterior of each structure/feature in detail with the following shots, using the appropriate lenses for the task, including perspective correction, macro, wide-angle as necessary for the followings:

Exterior

- (a) identification view including the surrounding area;
- (b) each of all external elevations [using a perspective correction (PC) lens as appropriate];
- (c) oblique views of the structure;

- (d) close up of the stone tablets and other inscriptions;
- (e) details of decorations;
- (f) close up of any other important features;

Construction Details

- (g) close up of any notable construction details (if feasible) such as type of brick bonding; and
- (h) building materials used in the construction.

All the photographic records are prepared at least 4"x6" in size and presented with the location plans (in A4-size) properly captioned in both Chinese and English. All the prints are referenced to their location on key drawings and numbered and cross-reference for easy retrieval.

2.3 Reporting

This *Cartographic and Photographic Recording Report* is prepared following AMO's Requirements for Cartographic Survey and Photographic Survey. A copy of this report will be kept by the Permit Holder and a copy of the record will be deposited with the Director of Environmental Protection prior to commencement of the respective removal or relocation works.

3. FINDINGS

Background information of the graves have been presented in the approved EIA report (Register No.: AEIAR-175/2013) for the Project. Relevant pages are extracted and attached in Appendix A. The cartographic and photographic recording findings are presented in *Sections 3.1* and *3.2*, and in Appendices B and C, respectively.

3.1 Findings from Cartographic Recording

Records from the cartographic recording work are provided in *Table 3.1*. Drawings are presented in Appendix B.

Table 3.1: Graves Required for Cartographic Recording

Site Code	Site Plan	Floor Plan	Side View	Cross Section	Architectural Features/ Details
KT44	Appendix B- Figure 1	Appendix B- Figure 1-1	Appendix B- Figure 1-2	Appendix B- Figure 1-3	-
KT52	Appendix B- Figure 1	Appendix B- Figure 2-1	Appendix B- Figure 2-2	Appendix B- Figure 2-3	-

Note:

(a) Scale stated in drawings (figures) is as in A4 paper.

3.2 Findings from Photographic Recording

Records from the photographic survey are provided in *Table 3.2*. Photographic records from the survey are presented in Appendix C.

Table 3.2: Graves Required for Photographic Recording

Site Code	Overall View	Oblique View/Side View/Rear View and Detail View (associated features)
KT44	Appendix C-Photo 1	Appendix C Photos 1-1 to 1-4
KT52	Appendix C-Photo 2	Appendix C Photos 2-1 to 2-3

4. BIBLIOGRAPHY

Civil Engineering and Development Department. 2010. *Agreement No. CE 61/2007 (CE) North East New Territories New Development Areas Planning and Engineering Study – Investigation: Final Environmental Impact Assessment Report*. [Available online]

https://www.epd.gov.hk/eia/register/report/eiareport/eia_2132013/eia/html/eia_index.htm



Antiquities and Monuments Office. "Requirements for Cartographic Survey of Historic Buildings" (As at March 2010)

Antiquities and Monuments Office. "Requirements for Photographic Survey of Historic Buildings" (As at September 2010)



Extract of Figure from Environmental Permit No. EP-467/2013/A

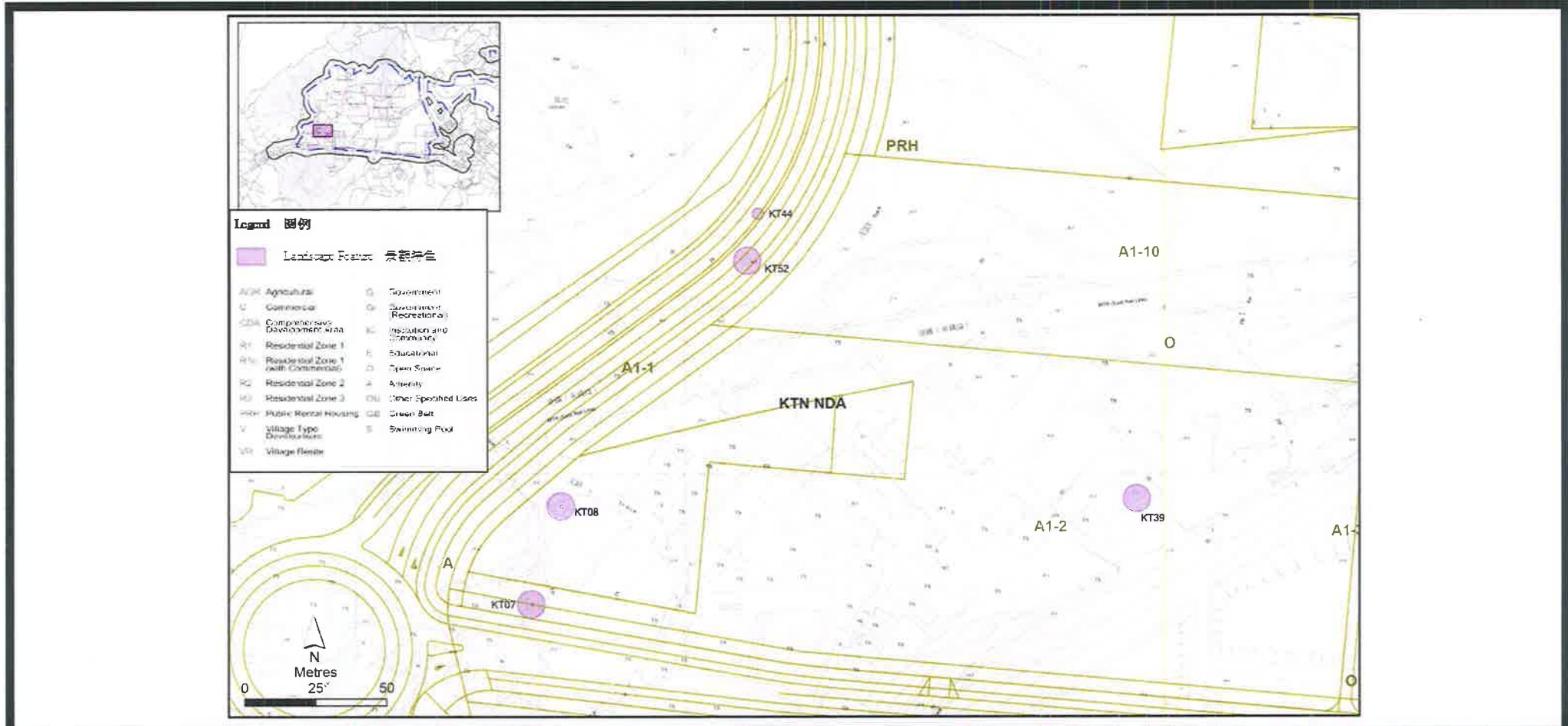
<https://www.epd.gov.hk/eia/register/permit/latest/figure/vep5232016figure2b.pdf>

**APPENDIX A FINDINGS EXTRACTED FROM THE APPROVED EIA
REPORT**

Site Code: KT44	Site Name: Man clan grave of Chau Tau Tsuen
Full Address: North of Pak Shek Au, Kwu Tung.	Plan No.: Plan 1m
Orientation: East	Category: Landscape Feature (Clan Grave)
Age of Structure: Renovated in 1993.	
Surrounding Environment: Surrounded by light industry factories structures or village building structures	
Historical Appraisal: The deceased is the wife from the Man clan. The Man clan is one of the five major clan groups in the New Territories dominating the San Tin region. This grave is of similar design to KT52, thus, it belongs to the same clan.	
Associated historical/cultural events or individuals: Man clan	
Inscriptions: 	
Architectural Appraisal: Arm-chair shape with a headstone	
Existing Condition: Well maintained.	
Past and Present Uses: Grave	
Notes on any Modifications: Finished with modern materials	
Photographic Records: 	
General View	

Note: "x" = text illegible

Site Code: KT52	Site Name: Man clan grave of Chau Tau Tsuen
Full Address: North of Pak Shek Au	Plan No.: Plan 1m
Orientation: Southeast	Category: Landscape Feature (Clan Grave)
Age of Structure: 1796 – 1820 (1936, 1993)	
Surrounding Environment: Surrounded by light industry factories structures or village building structures	
Historical Appraisal: The deceased is the wife of the 15 th generation of the Man clan. The Man clan is one of the five major clan groups in the New Territories dominating the San Tin region.	
Associated historical/cultural events or individuals: Man clan	
Inscriptions:  <div data-bbox="678 728 1173 1198" style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">洲頭李戈村公善堂祖墓</p> <p style="text-align: center;">妣歐氏適悅朝公原配也嘉慶年間築于土名XX 下靈辛向乙兼成辰卒西華洄公XX重修 孫XXXXX不本朽云爾 XXX人X月明定針</p> <p style="text-align: center;">十五世妣文太母歐氏孺人墓</p> <p style="text-align: center;">奉祀XXX三大房等立 民國廿五年季秋吉日重修大吉</p> <p style="text-align: center;">九三九九 年九月九日 癸酉七月廿三日維修</p> </div>	
Architectural Appraisal: Arm-chair shape	
Existing Condition: Well maintained and in excellent condition.	
Past and Present Uses: Grave	
Notes on any Modifications: Finished with modern materials	
Photographic Records:  <p style="text-align: center;">General View</p>	



Project Title: Kwu Tung North New Development Area Road P1 and P2 and Associated New Kwu Tung Interchange and Pak Shek Au Interchange Improvement
工程名稱: 古洞北新發展區P1和P2路 (新路) 和相關的新古洞交匯處 (新路) 與白石凹交匯處改善工程

Figure 2b: Location Plan for Identified Built Heritage Items and Landscape Features
圖2b: 文物建築及景觀特色位置

(Extracted from Drawing No. Plan 1m of North East New Territories New Development Area Planning and Engineering Study)
 (摘錄自新界東北新發展區規劃及工程研究 圖: 1m)

Environmental Permit No: EP-467/2013/A
環境許可證編號: EP-467/2013/A



APPENDIX B DRAWINGS FROM THE CARTOGRAPHIC SURVEY

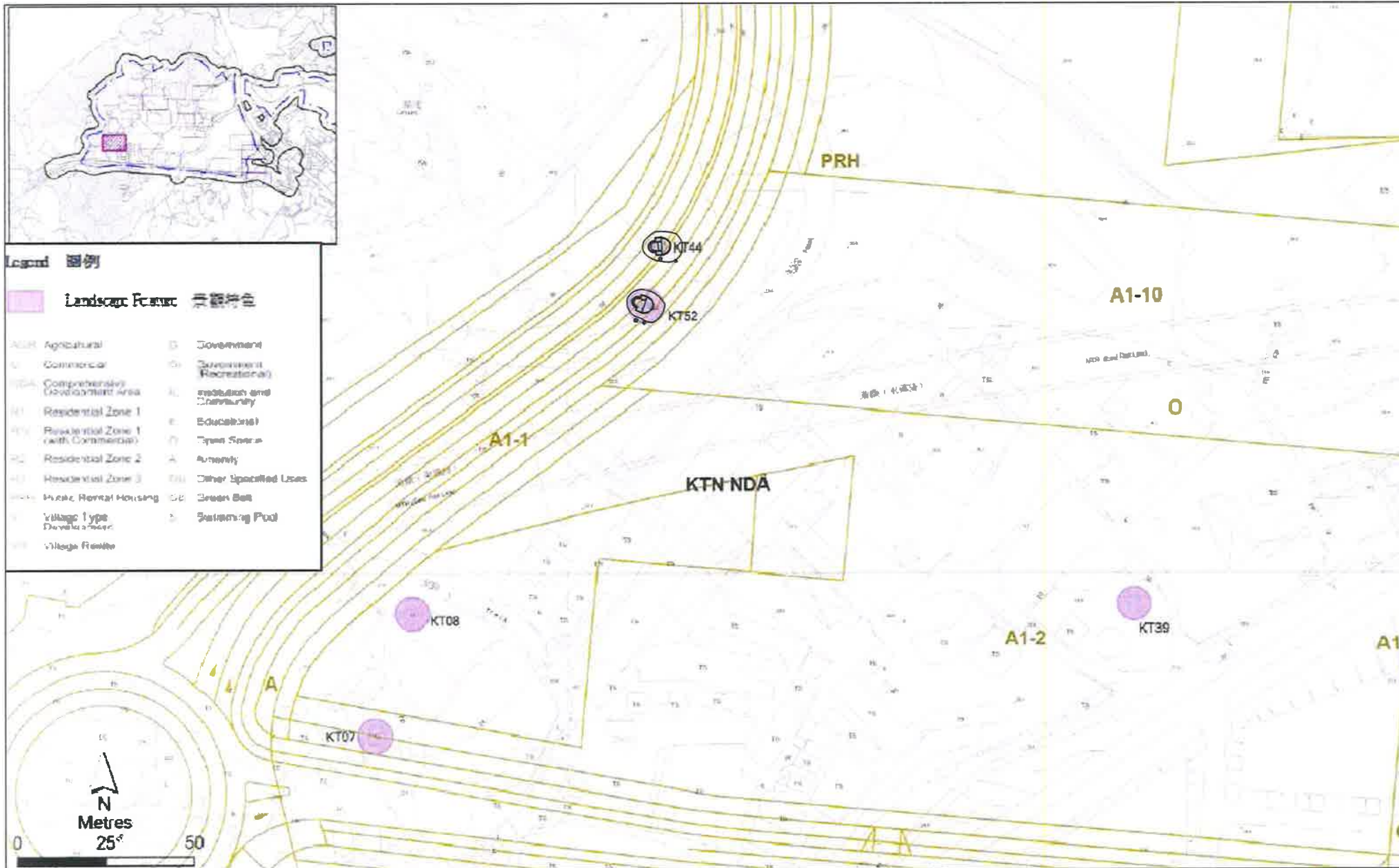


Figure 1

KT44 and KT52 Site Plan

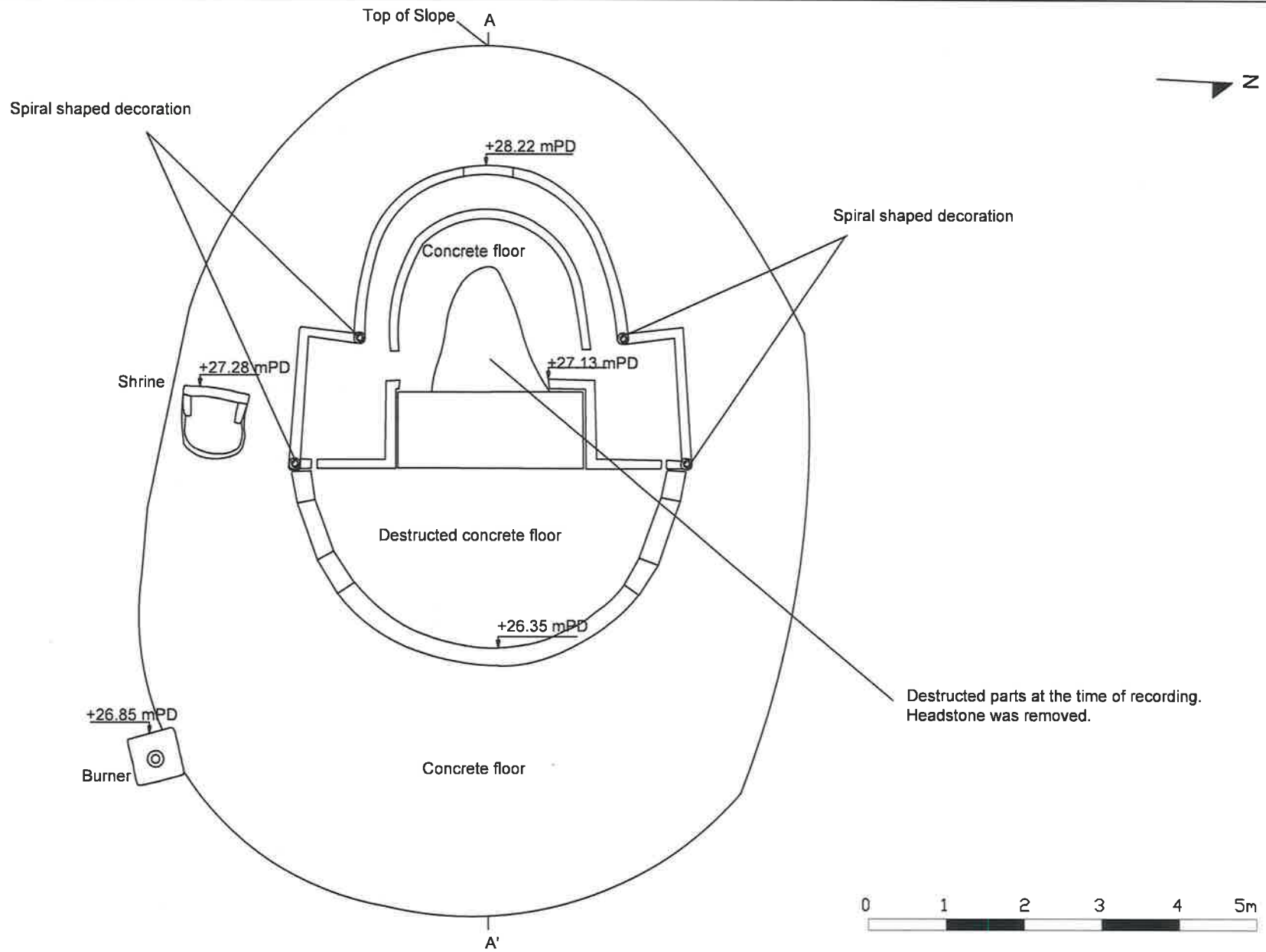


Figure 1-1

Plan of KT44

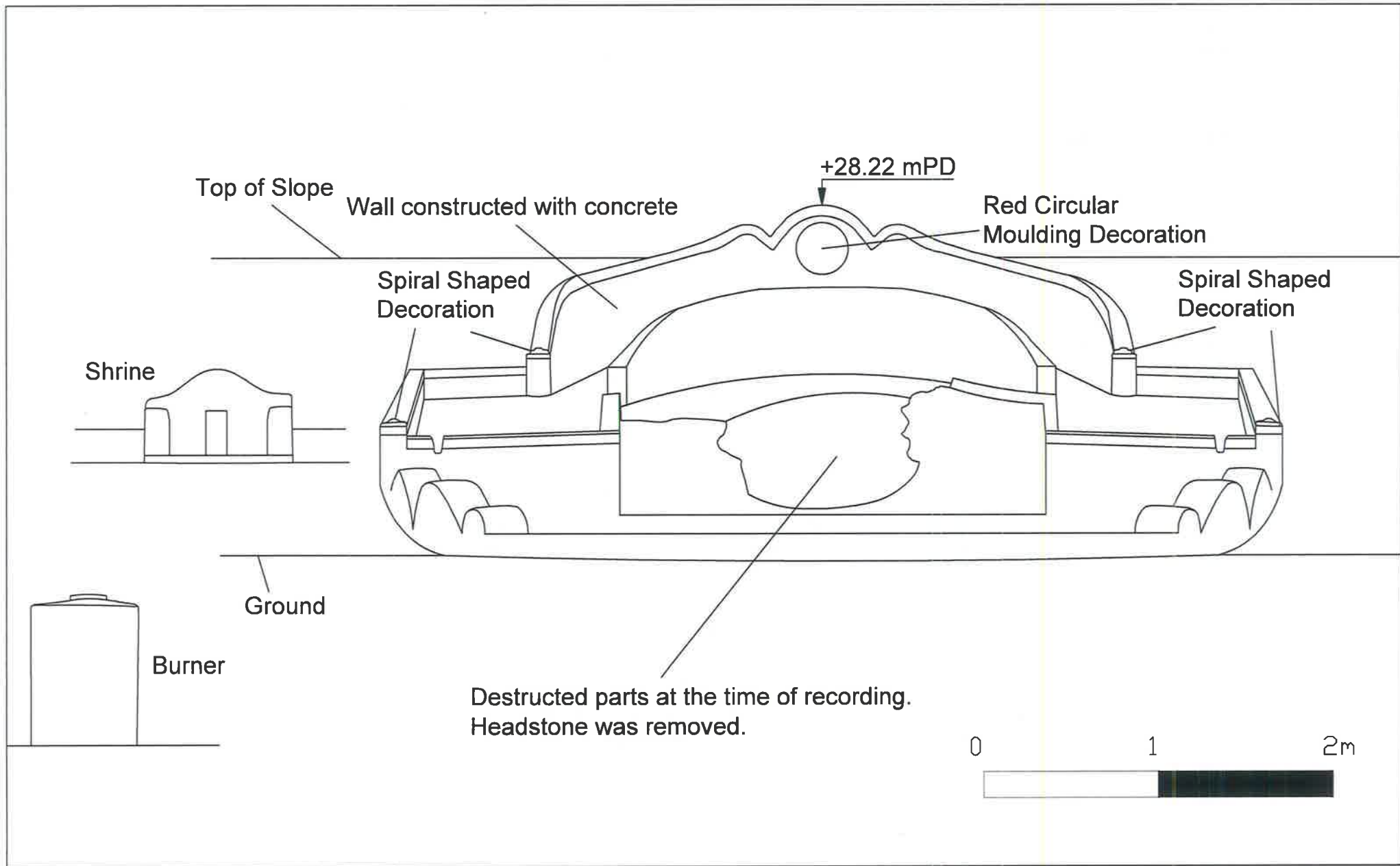


Figure 1-2

Sideview (East to West) of KT44

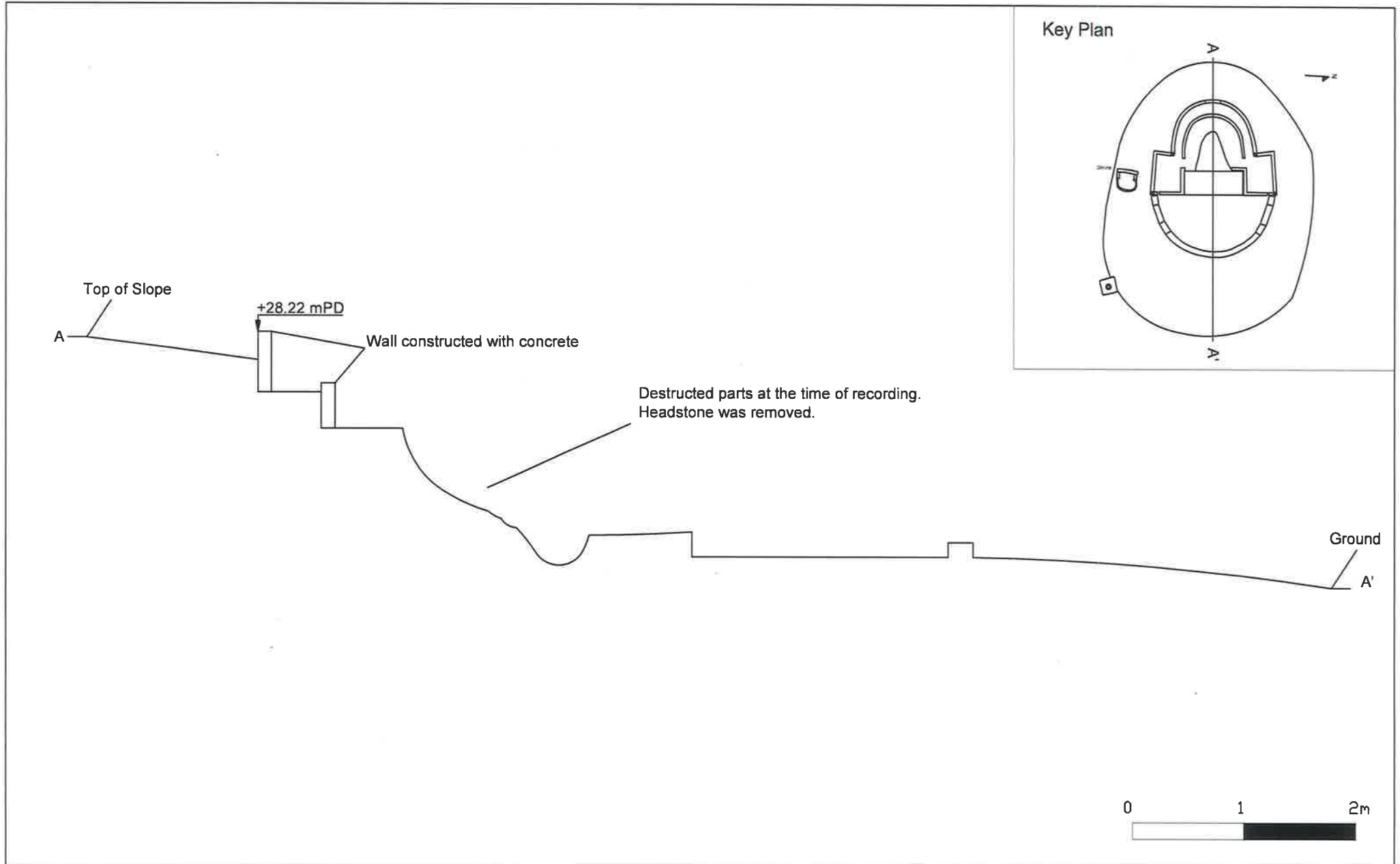


Figure 1-3

Section of KT44

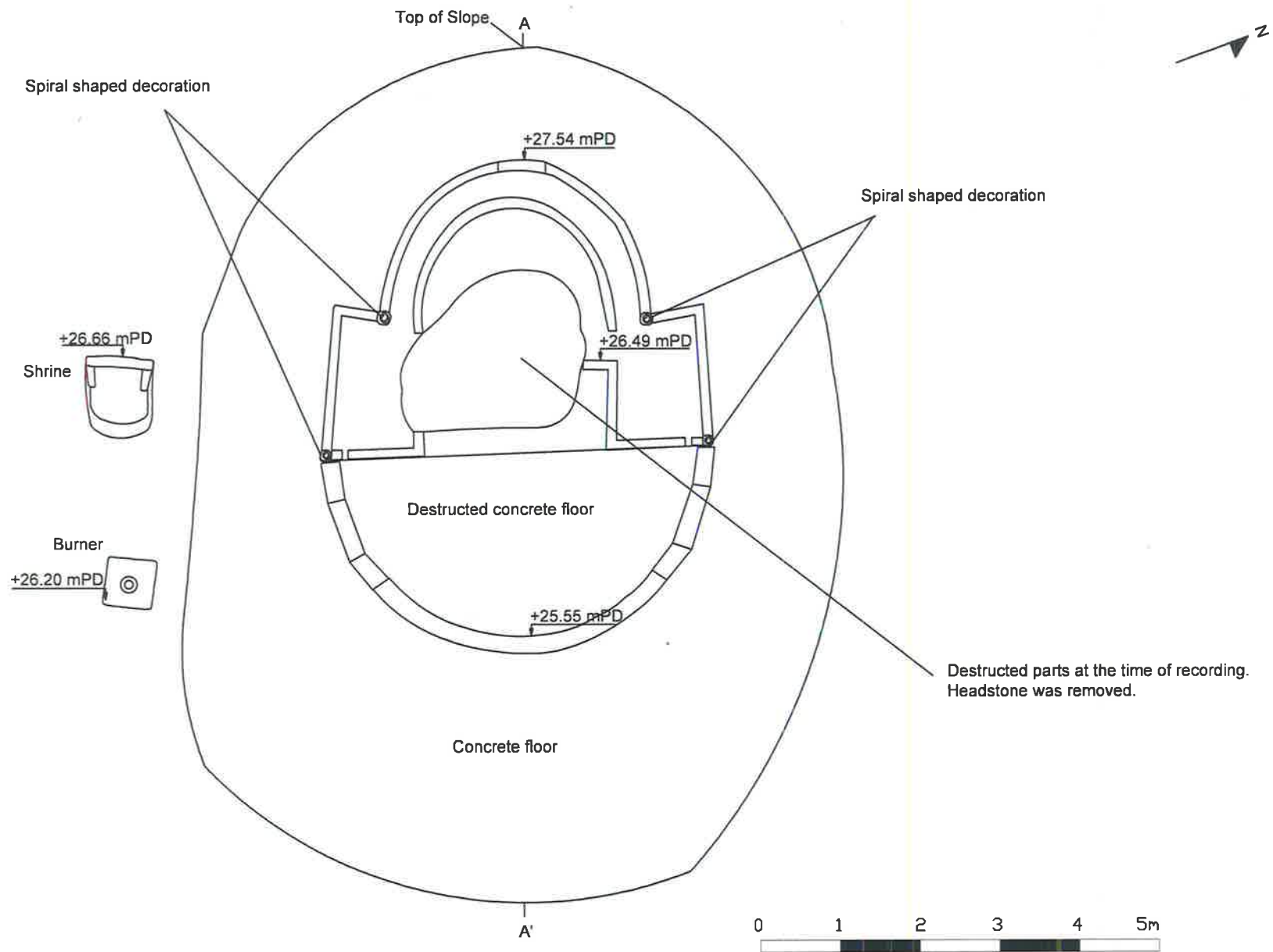


Figure 2-1

Plan of KT52

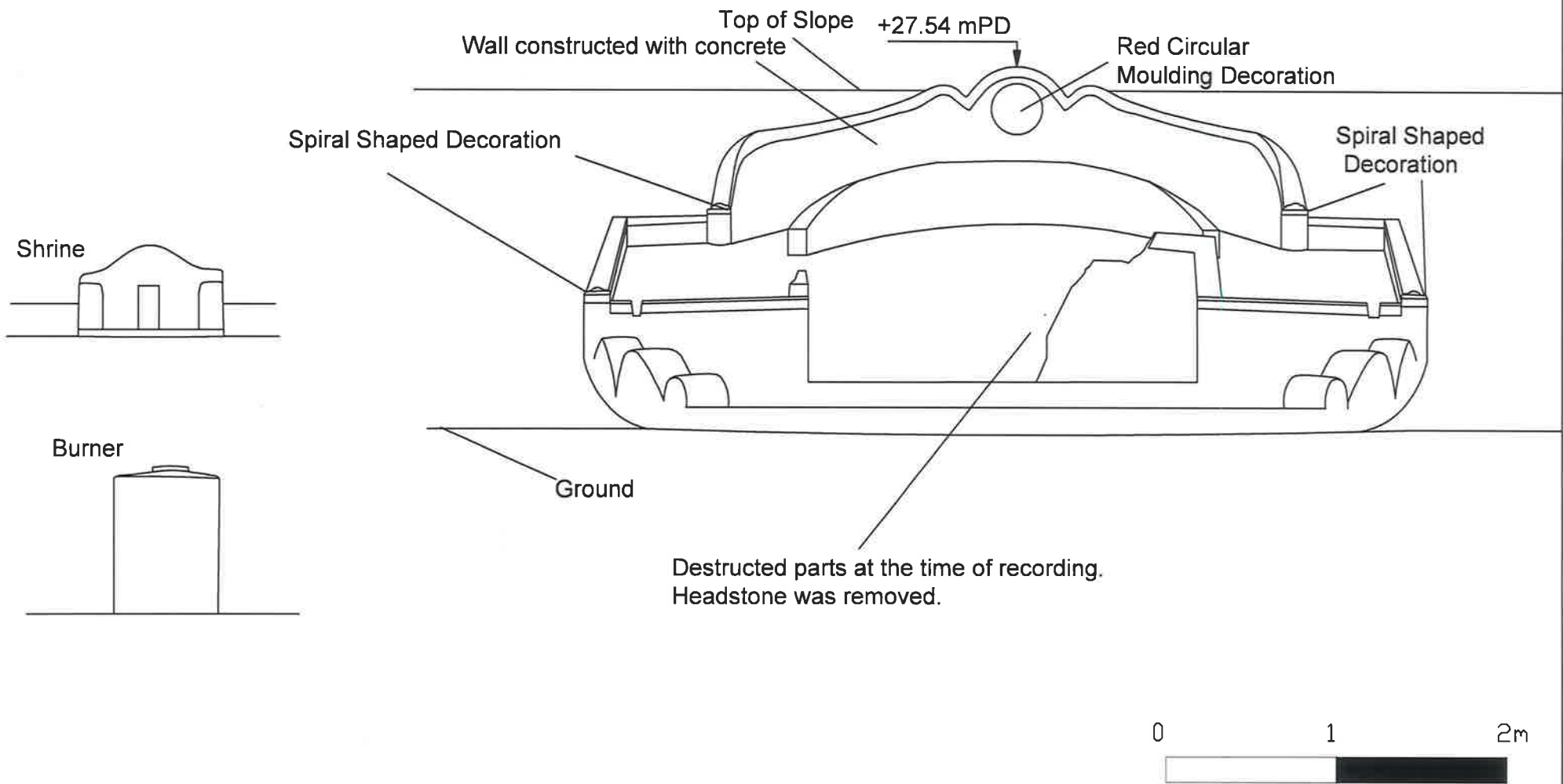


Figure 2-2

Sideview (East to West) of KT52

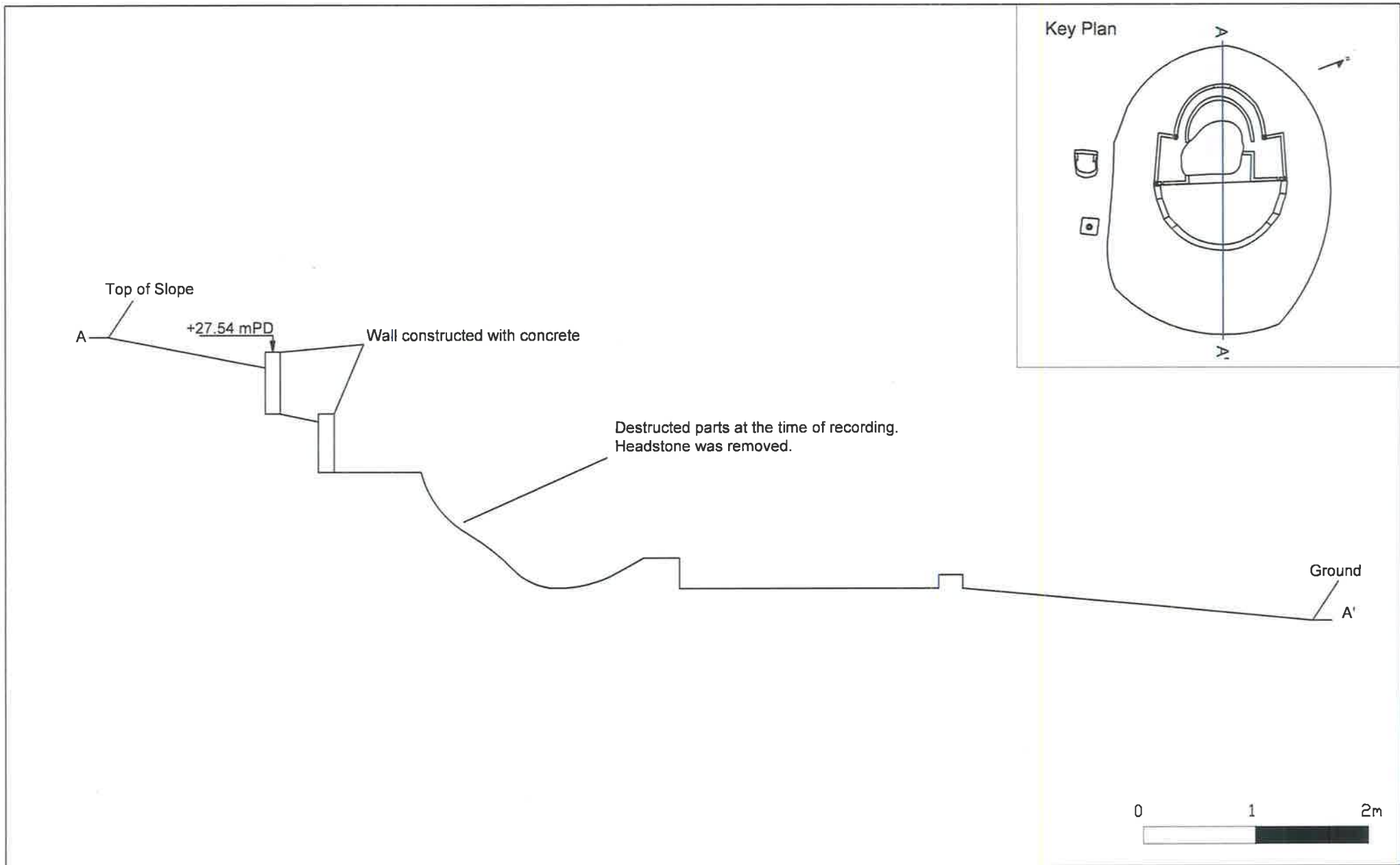


Figure 2-3

Section of KT52

Environmental
Resources
Management



APPENDIX C PHOTOGRAPHIC RECORDS FROM THE PHOTOGRAPHIC SURVEY

Site Code: KT44

Site Name: Man clan grave of Chau Tau Tsuen

Photographic Records:



Photo 1: General View (East to West)

KT44 is an arm-chair shaped grave that constructed with modern material like concrete and brick.



Photo 1-1 Oblique View (Southeast to Northwest)

The central parts of the grave ,where the headstone originally placed, are heavily destroyed.



Photo 1-2 Side View (North to South)
It is located on a gentle east-facing slope with trees surrounding.



Photo 1-3 Rear View (West to East)
The concrete floor of the grave is destroyed.



Left: Photo 1-4 (A Shrine, East to West), Right: Photo 1-5 (A Burner, Northwest to Southeast)
A Shrine is located next to the grave, and a Burner is located at the foot of the slope and on the periphery of the concrete floor.)

Site Code: KT52

Site Name: Man clan grave of Chau Tau Tsuen

Photographic Records:



Photo 2: General View (Southeast to Northwest)

KT52 is an arm-chair shaped grave that constructed with modern material like concrete and brick.



Photo 2-1 Oblique View (East to West)

The central parts of the grave ,where the headstone originally placed, are heavily destroyed.



Photo 2-2 Side View (South to North)

It is located on a gentle southeast-facing slope with trees surrounding.



Left: Photo 2-3 (A Shrine, Southeast to Northwest), Right: Photo 2-4 (A Burner, Northeast to Southwest)

A Shrine is located next to the grave, and a Burner is located at the foot of the slope and on the periphery of the concrete floor.)

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