



ANCOP Patrol BN Panjwayi, Kandahar Province



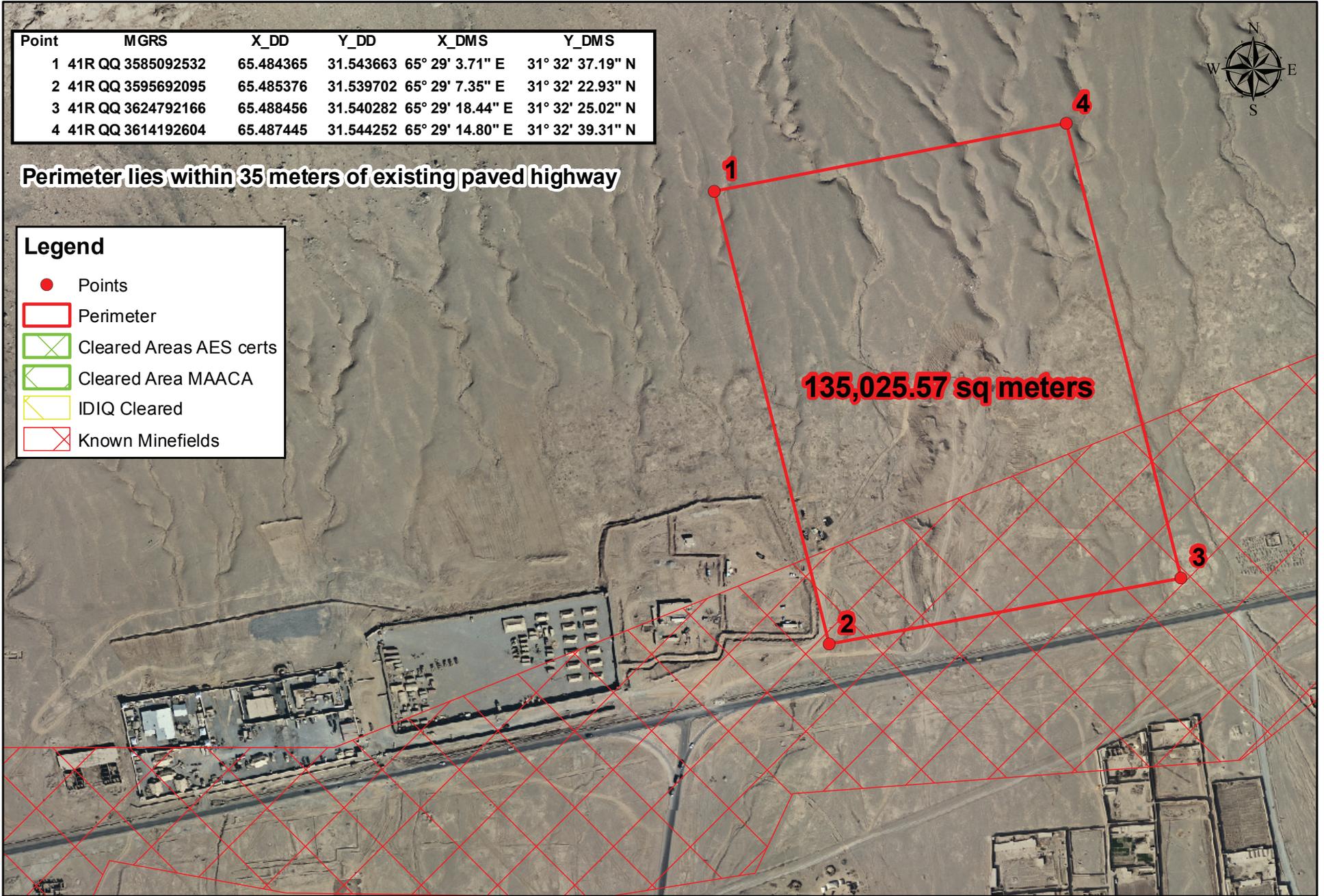
Point	MGRS	X_DD	Y_DD	X_DMS	Y_DMS
1	41R QQ 3585092532	65.484365	31.543663	65° 29' 3.71" E	31° 32' 37.19" N
2	41R QQ 3595692095	65.485376	31.539702	65° 29' 7.35" E	31° 32' 22.93" N
3	41R QQ 3624792166	65.488456	31.540282	65° 29' 18.44" E	31° 32' 25.02" N
4	41R QQ 3614192604	65.487445	31.544252	65° 29' 14.80" E	31° 32' 39.31" N



Perimeter lies within 35 meters of existing paved highway

Legend

- Points
- Perimeter
- Cleared Areas AES certs
- Cleared Area MAACA
- IDIQ Cleared
- Known Minefields



135,025.57 sq meters



COMBINED SECURITY TRANSITION FORCES –
CSTC-A



MACTEC ENGINEERING AND
CONSULTING, INC.

SITE ASSESSMENT

January 06, 2011

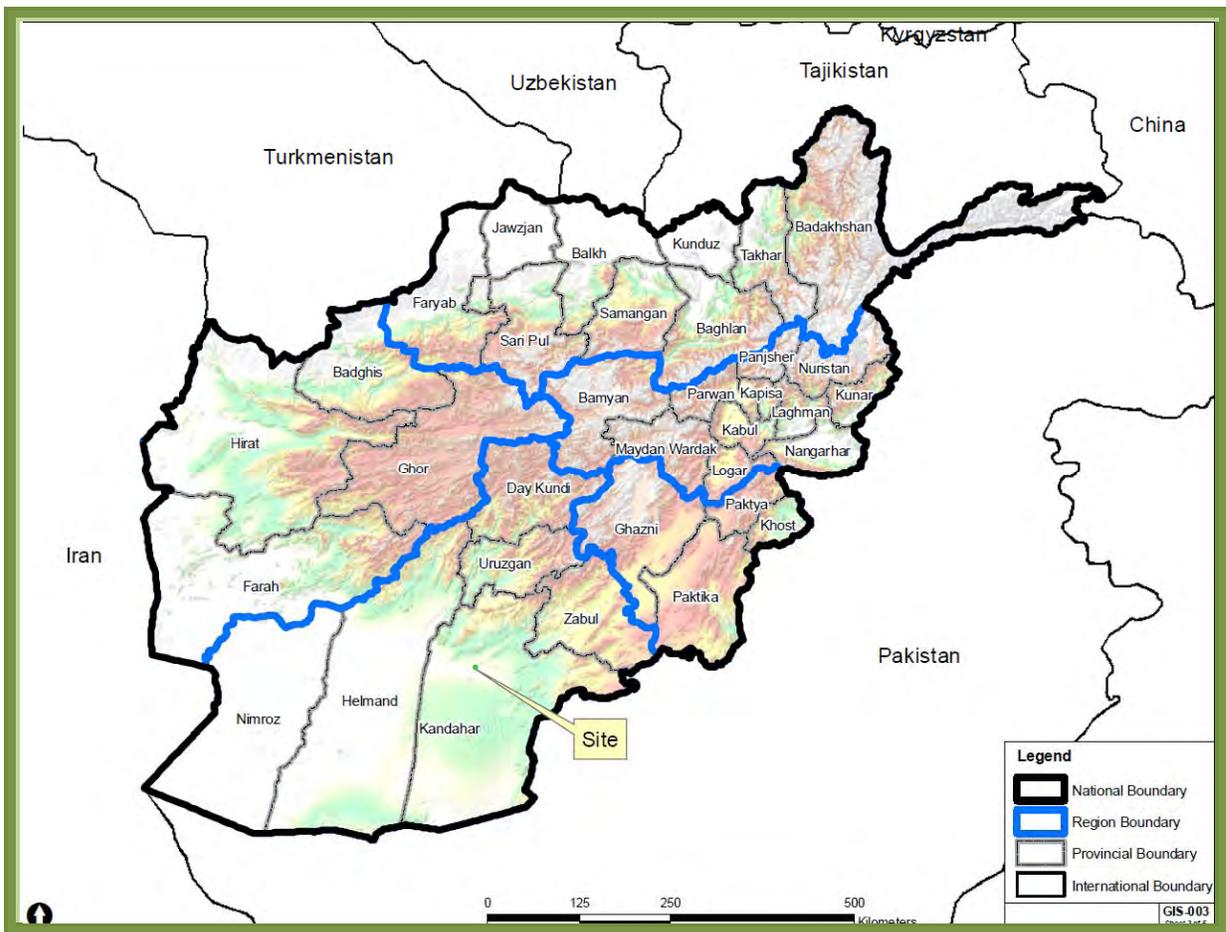
ANCOP 2nd Brigade 3rd Battalion

Panjwayi District, Kandahar Province

South Region

MACTEC Project 6144100221.05.OP.00486

CJ-ENG Project Number PAPS031101AP



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January 06, 2011

CDR Jeffrey Dryden, USN
CJ-Engineering
Camp Eggers
Kabul, Afghanistan

SITE: ANCOP 2nd Brigade 3rd Battalion
Panjwayi District, Kandahar Province
South Region
MACTEC Project 6144100221.05.0P.00486
CJ-ENG Project Number PAPS031101AP

CDR Dryden:

MACTEC Engineering and Consulting, Inc. (MACTEC) has prepared this Site Assessment for CSTC-A, CJ-Eng under Task Order 75 of AFCEE Contract. This site assessment report includes preliminary discussion of issues pertaining to site acquisition and development.

Very Respectfully,

MACTEC Engineering and Consulting, Inc

Ruth E. Howarth
MACTEC ANP SA Manager

Pieter J. DePree, P.E.
MACTEC ANP SA Principal
Registered Georgia, USA, 19637

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Letter of Introduction and Translation

Land Ownership Certificate and Translation

Request Letter and Translation

Notice of Completion of the Site Survey and Translation

Site Sketch with Official Signatures and Translation

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APPENDIX C Master Plan (under separate cover)

ANCOP 2nd Brigade 3rd Battalion

Panjwayi District, Kandahar Province

South Region

MACTEC Project 6144100221.05.OP.00486

CJ-ENG Project Number PAPS031101AP

1 INTRODUCTION

MACTEC Engineering and Consulting, Inc. (MACTEC) has completed a Site Assessment of approximately 13.5 hectare parcel of land in Panjwayi District, northwest of Kandahar City, Kandahar Province, Afghanistan, for the Ministry of Interior (Mol). The site is currently open land and is planned for a facility for the for the Afghan National Police, ANCOP 2nd Brigade 3rd Battalion. The site visit was conducted on November 28, 2010.

This effort was preliminary to a Master Planning effort and included assessment of the following:

- Land Ownership
- Adjacent Land Use
- General Availability of Utilities on Site
- General Description of Existing Structures and Facilities on Site
- Access Roads
- Proximity of Construction Materials and Labor
- Proximity of Clinics, Fuel and Public Transportation

This Site Assessment is part of the basis for a master plan for the Ministry of the Interior (Mol) which identifies required land area and the general location of facilities within the area according to the Statement of Requirement (SoR).

2 PLANNED DEVELOPMENT

The project site (Site) is anticipated to accommodate the Afghan National Civil Order Police (ANCOP) 2nd Brigade 3rd Battalion including barracks, headquarters, motor pool and related facilities. A standardized master plan is included in Appendix C (Under Separate Cover).

3 SITE ASSESSMENT

3.1 Site Location

The Site is about 300 by 450 meters (13.5 Hectare). The Site is located in Panjwayi District, approximately 29 (road distance) km west of Kandahar City, the Provincial Capital of Kandahar and approximately 500 (road) km southwest of Kabul. The Site is located on the north side of Kandahar–Panjwayi asphalt paved road and about one km to the east of Provincial Reconstruction Team (PRT) Base. The Panjwayi District Headquarter (HQ) is located 500 meters to the west of the site.

3.2 Site Ownership

The Site was formerly occupied by ANCOP. The Site ownership is in process of transfer to the Ministry of the Interior (Mol) or confirmation of ownership by Mol. Ownership documents including an Ownership

Certificate and Site Sketch is included. The Panjwayi District does not have a Cadastre, so the documents were signed by the District Properties Manager.

The Ownership Certificate is:

- Signed and Stamped by – Abdul Wakil – ANCOP Construction Officer
- Witnessed by – Hajji Baran Khaksar – Panjwayi District Governor
- Witnessed by – Colonel Ghulam Mahiddin – Kandahar ANCOP 2nd Brigade Commander
- Witnessed by – Nematullah – Panjwayi District Properties Manager
- Witnessed by – Eng. Mohammad Hanif – Acting Director of Urban Development Department

The site sketch is signed and stamped by the following officials:

- Signed by – Hajji Baran Khaksari – Panjwayi District Governor
- Signed by – Colonel Ghulam Mahiddin – ANCOP 1st Brigade Commander
- Signed and Stamped by – Toryalai Wesa – Kandahar Provincial Governor
- Signed by – Nimatullah – Manager of Properties Directorate
- Signed and Stamped by – Engineer Mohammad Hanif – Acting Director of Urban Development Department

3.3 Existing Site Development

The Site is open and undeveloped land. There are no existing facilities or structures at the Site. No evidence of past grading and development was noted.

3.4 Surrounding Site Use

The Site is bounded to the north by GOA open land (Mountain), to the east by a graveyard and GOA open land, to the south by Kandahar–Panjwayi main asphalted road, to the west by Mula Mohammad Hassan Akhund Madrassa.

3.5 Site Topography

The Site is on open and barren land. The Site has soil and gravel surface and gently rolling with a general slope down from north to south. GPS elevations indicate overall relief of about 7 meters, but Soviet topographic maps indicate overall relief of over 20 meters, with a slope from north to south.

3.6 Site Geology

The published USGS Geologic Map of Afghanistan (2005) indicates the Site is underlain by map symbols:

Q₃loe, “Loess (late Pleistocene)—Loess more abundant than sand, clay” in the south and

J₃K₁bl, “Basalt lava (Early Cretaceous (Hauterivian) and Late Jurassic (Tithonian))—Basalt lava more abundant than shale, siltstone, sandstone, conglomerate, chert, limestone, greenstone, acid volcanic rocks” and

K_{3bap}lss, “Limestone and sandstone (Early Cretaceous (Aptian and Barremian))—Limestone, marl, sandstone more abundant than conglomerate” to the north.

Loess can present collapse concern. A geotechnical exploration is recommended to assess subsurface conditions at the Site.

3.7 Site Seismicity

The Published USGS/USAID Seismic Hazard Map indicates Short (0.2 Second) and One Second Seismic Spectral Response Acceleration (S_s and S_1) per IBC 2006 of 0.28 and 0.16 g, respectively, based on a 2 percent probability of exceedance in 50 years. The Site Class should be determined based on geotechnical exploration.

3.8 Site Drainage

The Site drainage is from north to south and has created several broad shallow wadis up to about 4 meters deep.

3.9 Groundwater Resource

Based on the USACE Document "Provincial Water Resource Data Summary of Kandahar, Afghanistan" dated June 2009, Figure 5, the Site appears to be near the contact of 2 aquifers including:

1. A fresh to brackish water sandstone aquifer with yield of 100 to 400 Liter per minute (lpm) or less.
2. A fresh water sand and stone aquifer with yield of 200 to 400 lpm.

This figure is based on a catalogue of widely dispersed wells thought the province and the scale of the figure does not allow precise determination of the Site aquifer.

Local people were using a well reported to be 100 meters deep with a hand pump located 500 m west of the Site.

3.10 Site Expansion Potential

The Site is surrounded by GoA open land, Panjwayi–Kandahar Road, and Mullah Mohammad Hassan Akhund Dini Madrassa. It should be feasible to expand the Site to the north, although mountain slopes become steeper, or to the east, into open land, or west, north of the Madrassa.

3.11 Mines and unexploded ordinance

Based on statement of Hajji Baran District Governor there is no UXO hazard on the site. However, no documentation for mine clearing of the Site was discovered.

3.12 Utilities

No Public Power or Water is available at the Site.

3.13 Site Access

The proposed site is located on Kandahar-Panjwayi asphalted road. There is a ditch between the road and the Site and the ditch is crossed by a culvert to access the According to the photo there is a culvert at the starting of dirt road to the site from Kandahar-Panjwayi asphalted road which is suitable for all kind of vehicles. Public Transportation is available in Panjwayi district.

3.14 Area resources

This is the information provided by Haji Baran the District Governor and UP DHQ Police.

- Construction Machinery, 30 km, Kandahar City
- Unskilled Labor, 3 km, Panjwayi District Bazaar
- Medical Clinic, 3 km, Panjwayi Bazaar
- Sand and gravel, 4 km, Arghandab river

- Stone, 3 km, Shoran dam Mountain
- Bricks, 30 km, Kandahar City
- Cement, Steel Bar and Gypsum, 30 km Kandahar City
- Fuel Point, 3 km, Panjwaye District Bazaar
- Access Road, 0,0 km from the site
- Public Transportation: Available

4 LIMITATIONS

The findings and opinions presented are relative to the dates of our site work and should not be relied on to represent conditions at other dates.

The opinions included herein are based on information obtained during the study and on MACTEC's experience. If additional information becomes available, we request the opportunity to review the information, reassess the potential impacts, and modify the report, if warranted. If this assessment included a review of documents prepared by others, MACTEC has no responsibility for the accuracy of information contained therein.

This document and information is based on a brief site visit, documents provided by CJ-Eng, Mol, or others, and interviews with local persons and officials familiar with or with responsibility over the site. Travel and security considerations limit personnel and equipment able to visit the site.

Location and elevation data are based on published documents and low resolution hand held GPS and should be considered approximate.

This document is intended for preliminary planning purposes only and should not be considered to replace detailed engineering studies such as site boundary and topographic surveys, geotechnical explorations, hydrologic studies, or other civil engineering effort.

This Site Assessment Survey Report was produced under the direction of the Project Manager and reviewed by the Principal Engineer.

Ruth E. Howarth
MACTEC ANP SA Manager

Pieter J. DePree, P.E.
MACTEC ANP SA Principal
Registered Georgia, USA, 19637

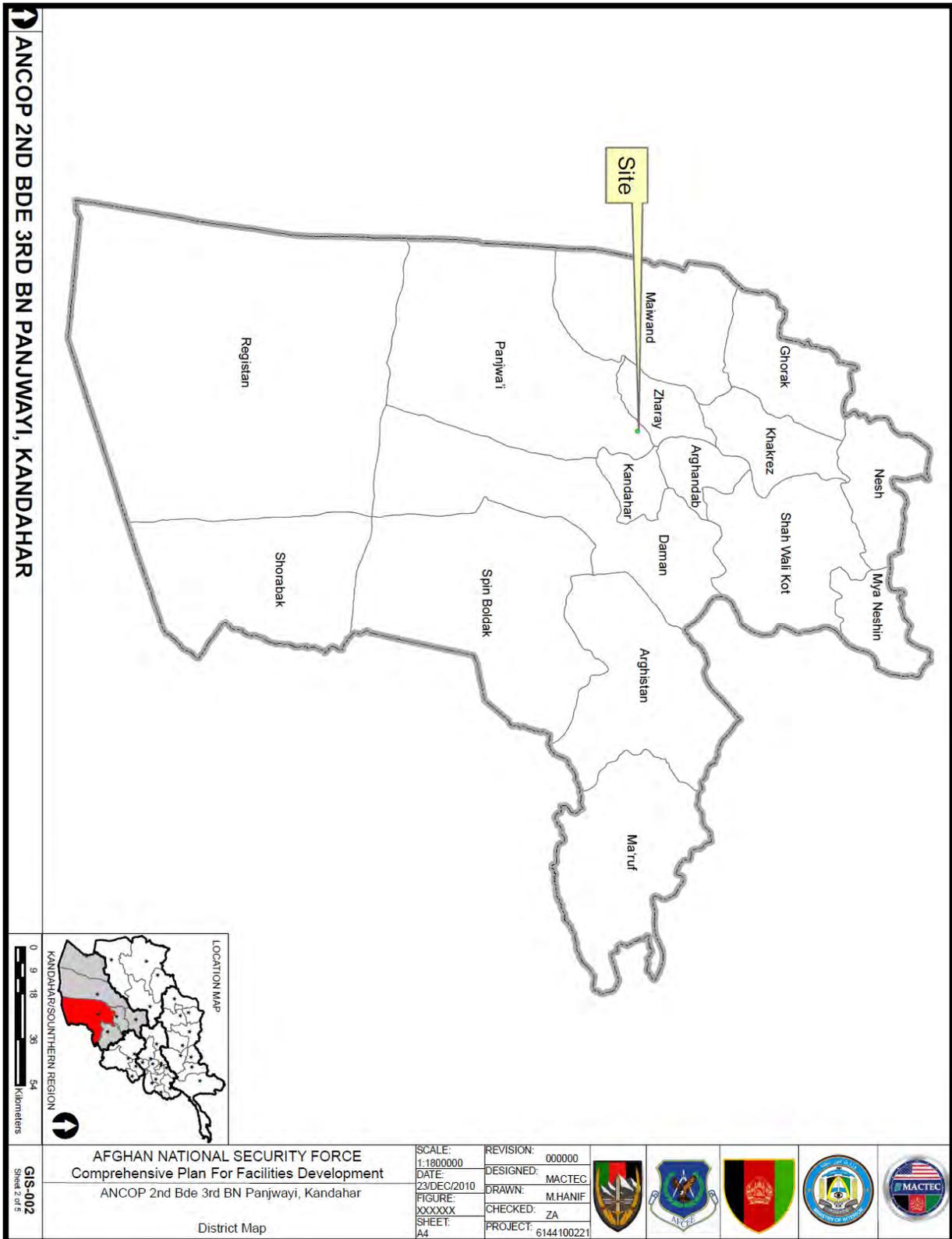
TABLES

TABLE 1: APPROXIMATE COORDINATES OF SITE CORNERS

Site Description	Corner Point & Elevation	Latitude (North)	Longitude (East)	MGRS
ANCOP 2 nd Bridge 3 rd Battalion, Panjwaye District, Kandahar Province Afghanistan	P1 (985 m)	31 ° 32' 37.20"	65 ° 29' 3.70"	41RQQ3585092532
	P2 (978 m)	31 ° 32' 22.93"	65 ° 29' 7.34"	41RQQ3595692095
	P3 (980 m)	31 ° 32' 25.03"	65 ° 29' 18.44"	41RQQ3624792166
	P4 (983 m)	31 ° 32' 39.30"	65 ° 29' 14.80"	41RQQ3614192604

FIGURES

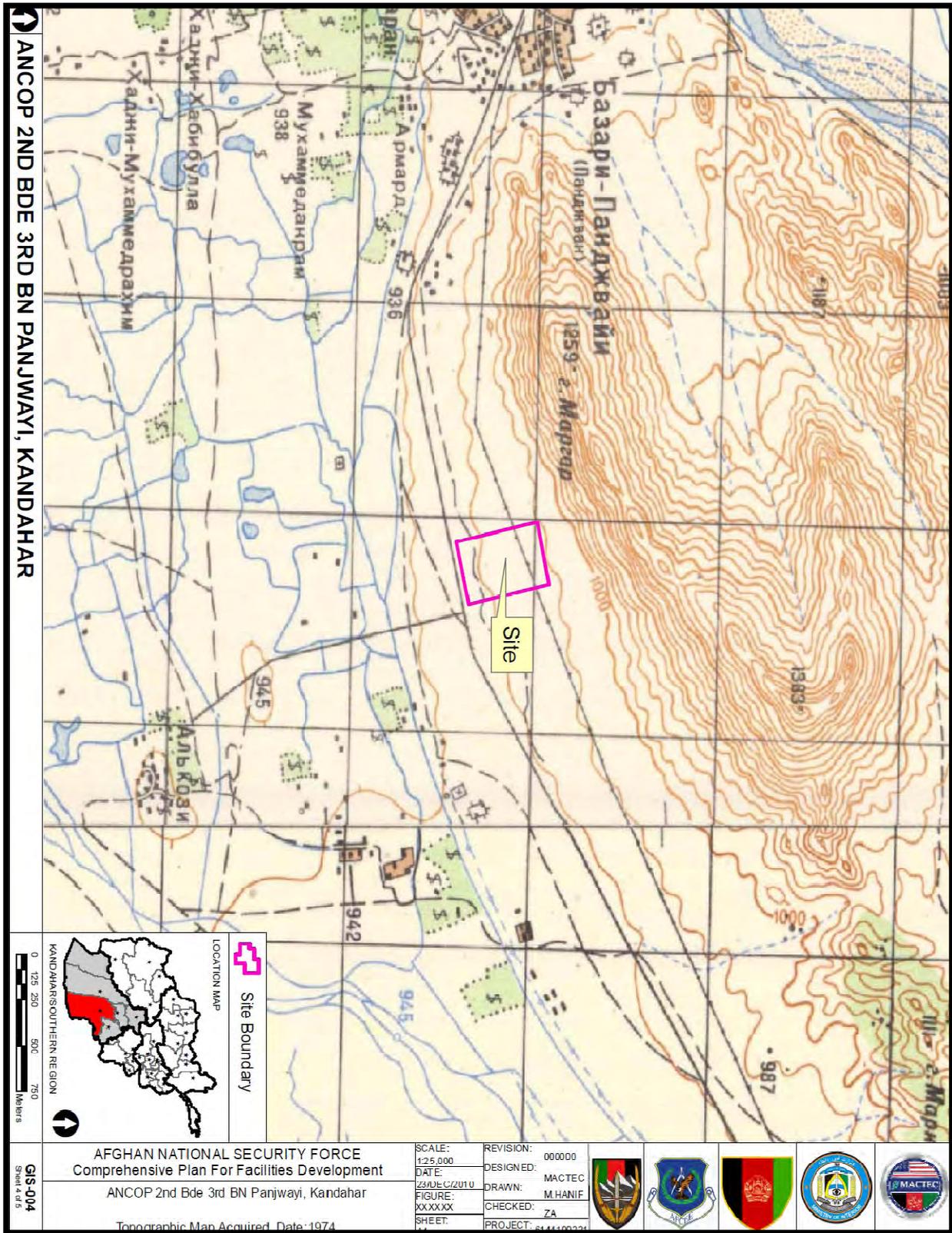
FIGURE 1: SITE LOCATION MAP



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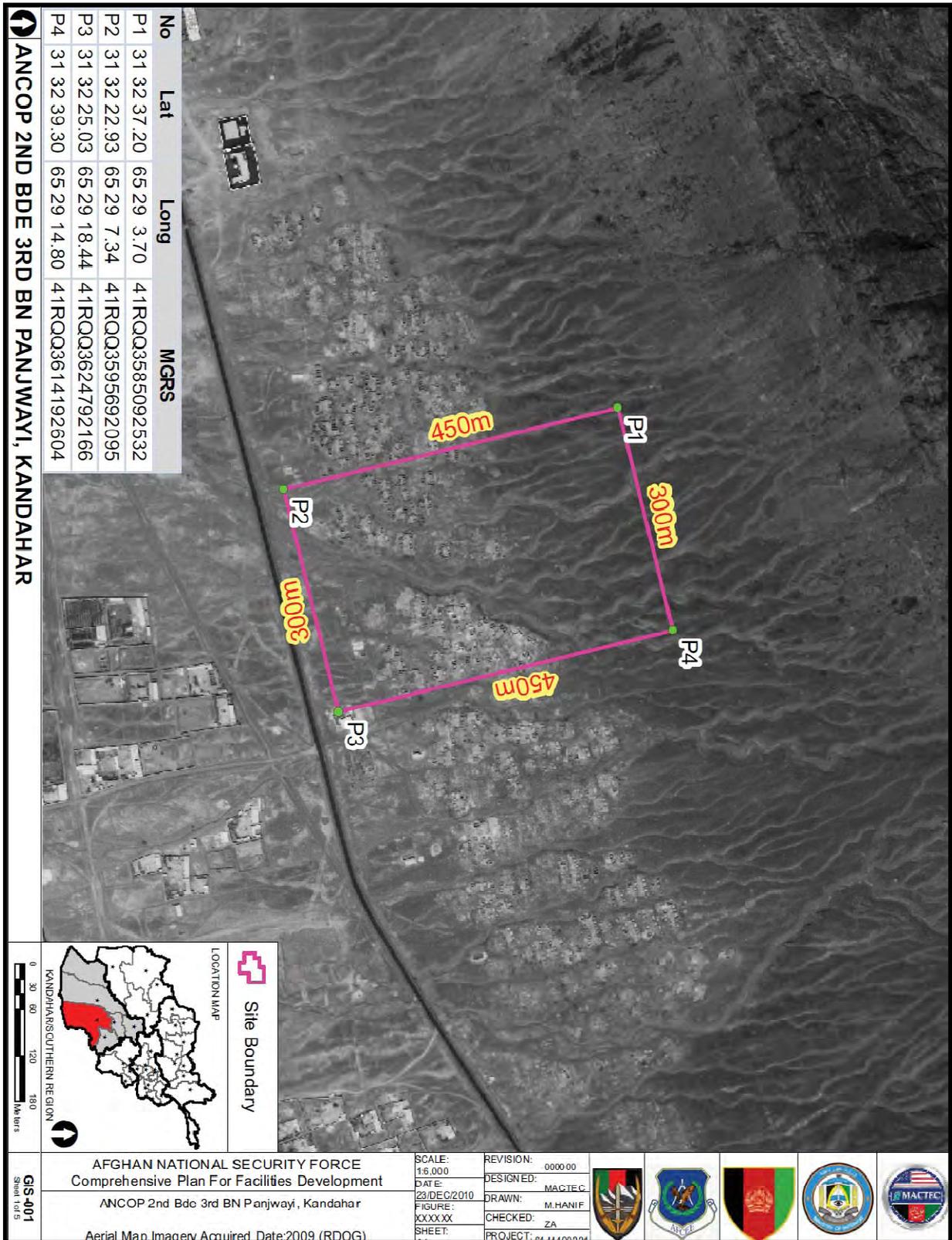
SITE ASSESSMENT

FIGURE 2 – APPROXIMATE SITE LOCATION ON SOVIET TOPOGRAPHIC MAP



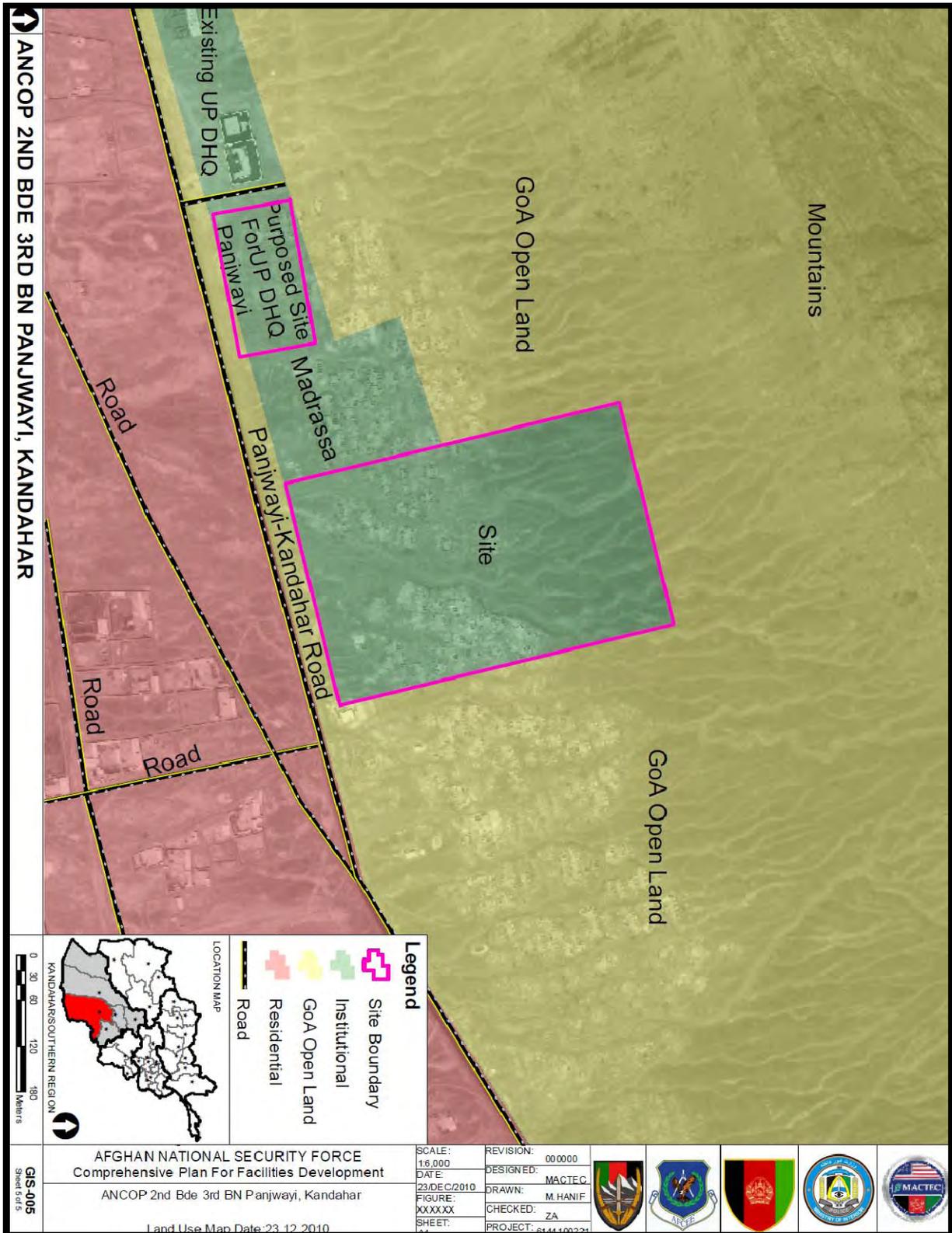
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FIGURE 3 - SITE LOCATION ON AERIAL PHOTOGRAPH SHOWING CORNER COORDINATES



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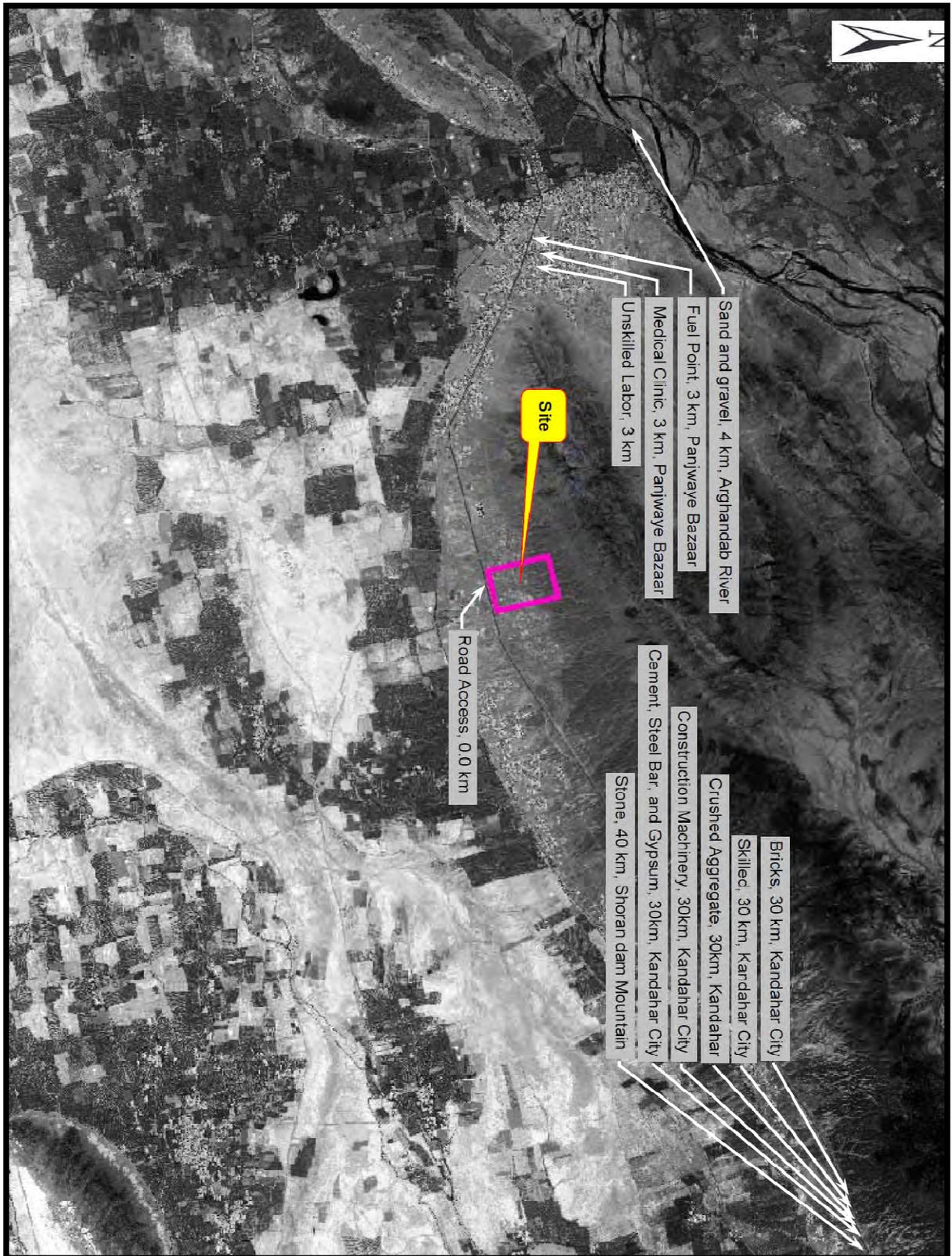
FIGURE 4 - LAND USE OF SURROUNDING AREA



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SITE ASSESSMENT

FIGURE 5 - CONSTRUCTION RESOURCES



APPENDIX A

Site-Specific Official GoIRoA Documents (Pashtu and English)

Letter of Introduction



English Translation of Letter of Introduction

**Ministry of Interior
Sustaining and Administrative Deputy Ministerial
Facility Department
MACTEC Inc.**

Letter No: 222

Date: 02/09/1389

**The Uniform Police Commander
UP Provincial Headquarters
Kandahar Province
Afghanistan**

LETTER OF INTRODUCTION FOR TECHNICAL TEAM AND MOI REPRESENTATIVE

To The Respected ANCOP Main Headquarters:

The Engineering section of MACTEC Engineering and Consulting Inc. will conduct a survey and evaluation of various projects at the following provinces listed below:

PROJECT	FACILITY TYPE	PROVINCE/ DISTRICT
Police Project	ANCOP 2 nd Bde 3 rd BN	Panjwayi District, Kandahar Province

The surveys will be conducted by a Technical Team from MACTEC Engineering and Consulting Inc. in cooperation with the representative of the Ministry of Interior, Facilities Department, and Engineer Fazal Minallah. The team will survey Police Facilities for land availability, assessment and other related work to support projects in rebuilding Afghanistan.

Your support is highly appreciated for the success of this project. We are requesting your support to provide information, convoys and security if deemed necessary for our team.

Sincerely,
Major General Sayed Jan (Akhgar)
Director of Facility Department
(Signed)

Land Ownership Certificate



English Translation of Land Ownership Certificate

SITE ASSESSMENT

**ANNEX C (TAB A)
REAL ESTATE FRAGO 09-265
OWNERSHIP CERTIFICATE**

**Afghanistan
District of Panjwaye**

Upon execution of this Ownership Certificate, dated, the undersigned hereby acknowledges and certifies:

(1) That the land (together with any and all appurtenances), described below is:

- (a) Not owned by a private individual
- (b) Owned by the Ministry of Interior, Government of Afghanistan

(2) That the ownership of the said land is not in dispute

(3) That the undersigned has authority to sign this certificate on behalf of the Government of Afghanistan, Ministry of Interior, and is duly authorized and has authority to confirm and verify Government land ownership.

Property Description, together with attached Exhibit "A" (map, additional documentation):

Abdulwakil

ANCOP Construction officer

(Signed and Stamped)

Sworn to and subscribed before the listed witnesses, who certify that the person who has signed this Ownership Certificate is authorized to act and sign on behalf of the named Government agency, on the 27th Day of Sep 2010.

Witnesses:

Hajji Baran Khaksar
Panjwayi District
Governor
(Signed and Stamped)

Colonel Ghulam
Mahiddin
Kandahar ANCOP 2nd
Brigade Commander
(Signed and Stamped)

Engineer Mohammad Hanif
Acting Director of Urban Development
Department
(Signed and Stamped)

Nematullah
Panjwaye District Properties Manager
(Signed)

Request Letter

<p style="text-align: center;">وزارت امور داخله معینیت ارشد امور امنیتی ریاست (ع) امن و نظم عامه قوماندانی لوا نمبر 2 کندهار مسدیریت لوژیستیک امریت تعمیرات</p>   <p style="text-align: center;">پیشنهاد</p> <p>بمقام محترم ولایت کندهار ! ذریعه مکتوب ^{۱۳۸۶/۶/۲۲} ریاست (ع) امن و نظم عامه وزارت امور داخله چهار نفر انجیران که به نمایندگی محترم انجیر محمد نواز نماینده بخش پولیس دفتر مکتیک با تیم تخنیکي اعزام گردیدند که به خاطر تثبیت زمینی که در آن قرارگاه سوم نو، ۱۰ لیر دوم نظم عامه کندهار در ولسوالی پنجوابی ولایت کندهار قرار است ایجاد گردد . امید که امر توزیع زمین را بسالی مرجع مربوطه عنایت خواهند فرمود.</p> <p style="text-align: center;">با احترام قوماندان لوا ^{نظم عامه}</p> 	<p style="text-align: center;">تاریخ</p>	<p style="text-align: center;">احکام</p> <p style="text-align: center;">وکیل سو</p> <p>د شماره ۱۳۸۶/۶/۲۲ ریاست امریت تعمیرات</p> <p style="text-align: center;">Pulesa</p> <p>مهم انجیران را با جعفره و احمد - اوقات درین -</p> <p style="text-align: center;">Em. mud. kand.</p>
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English Translation of Request Letter

**Ministry of Interior
Senior Security Deputy Ministerial
ANCOP Main Department
Kandahar Second Brigade Headquarters
Logistic Directorate
Construction Section**

Request	Answer/Response
<p>The Respected Kandahar provincial Governor HQ: According to the letter number 222 dated: 02/09/2010 by ANCOP Main HQ. A technical team from Mol leading by Engineer Mohammad Nawz has been sent. The team will survey land availability, assessment for construction of Kandahar ANCOP 2nd Brigade 3rd battalion facilities in Panjwayee District. We hope respected position exalt guidance of land distribution for respective authorities.</p> <p>Sincerely, ANCOP 2nd Brigade Commander (Signed and Stamped)</p>	<p>Observed Urban Development Department implement according to the law. Toryalai wesa (Signed)</p>

The Respected Kandahar 2nd Brigade headquarters

To the attention of Logistic Directorate

Letter number 222/335 dated: 02/09/1389 referred to ANCOP respected headquarters for further implementations.

Sincerely,

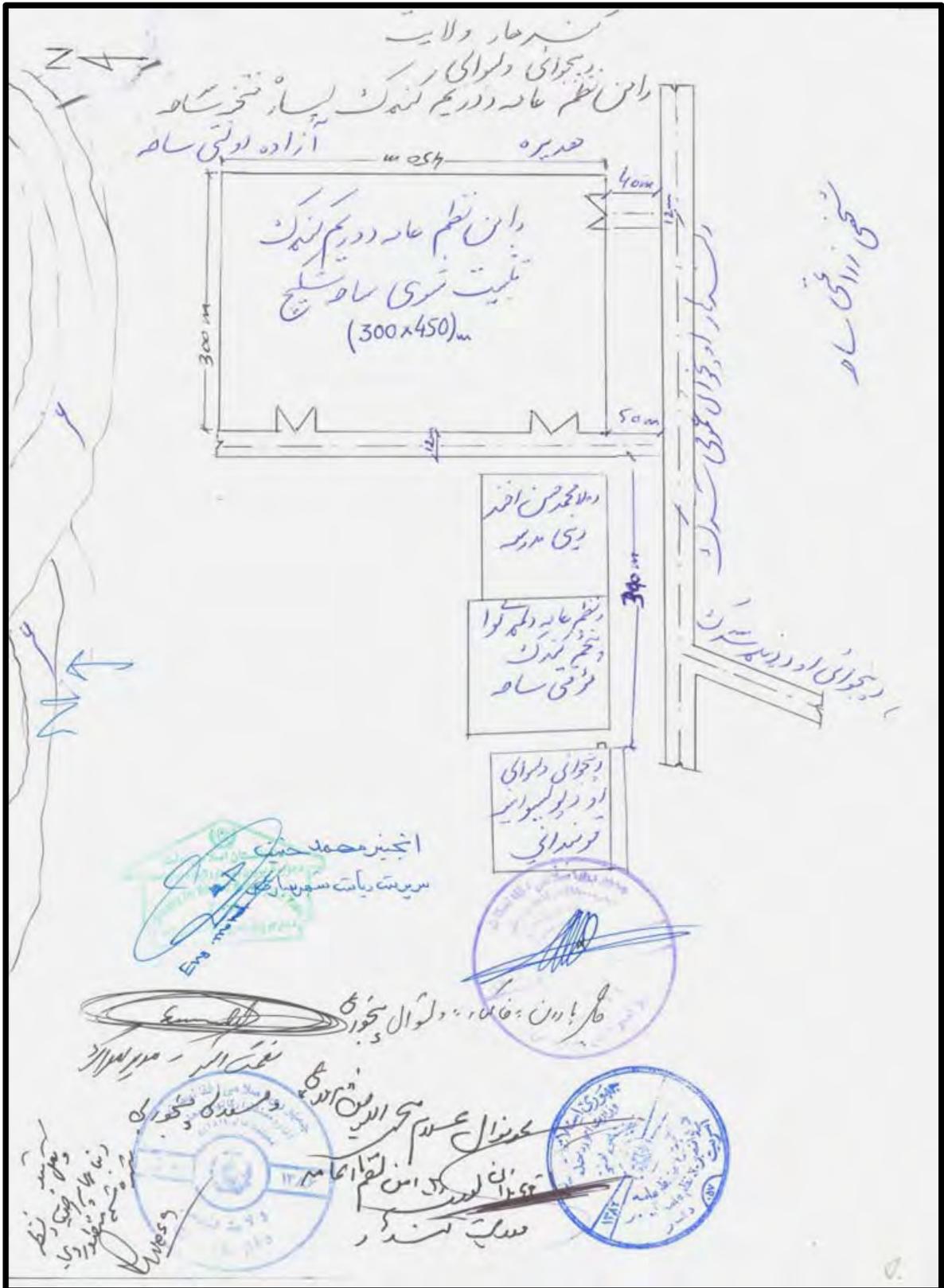
Construction Officer

(Signed)

ANCOP Department Logistic Manager

(Signed)

Site Sketch with Official Signatures



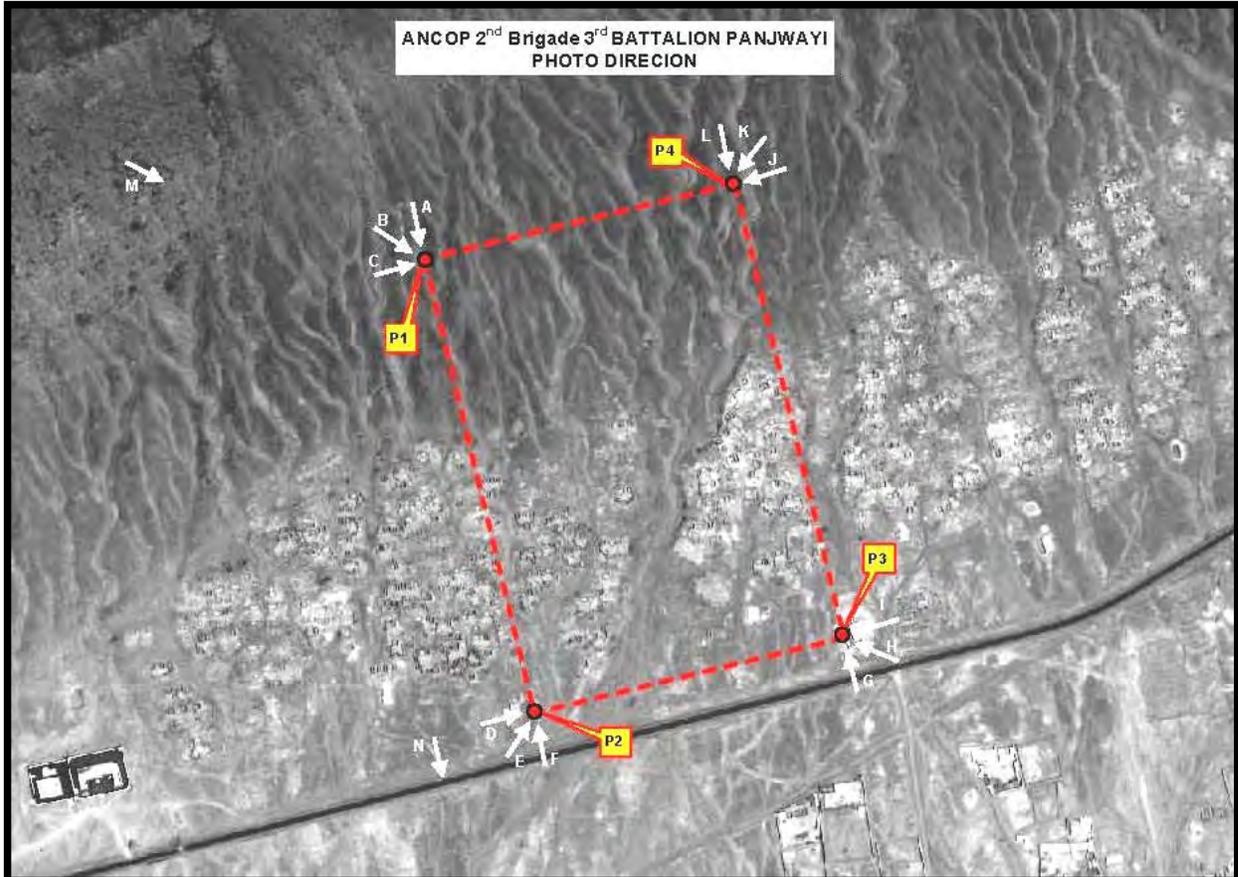
English Translation of Site Sketch

Panjwayi ANCOP 3rd Battalion Site Sketch, Kandahar Province



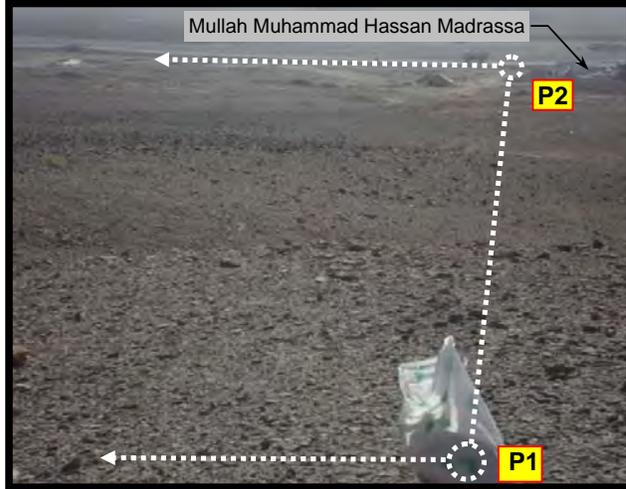
APPENDIX B
SITE PHOTOGRAPHS

Photo Location/Direction

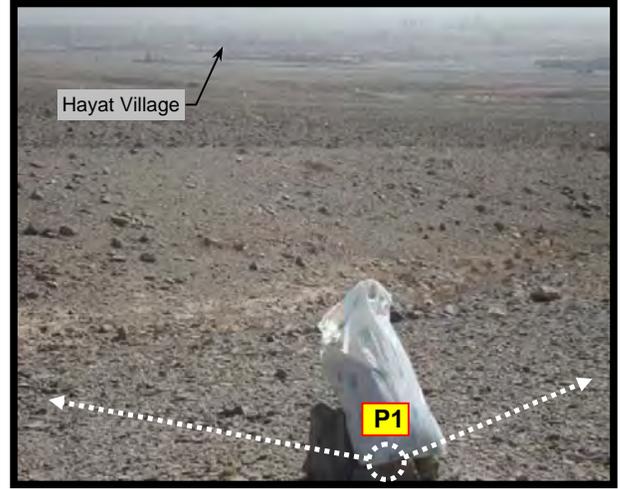


Site Corner Point # 1

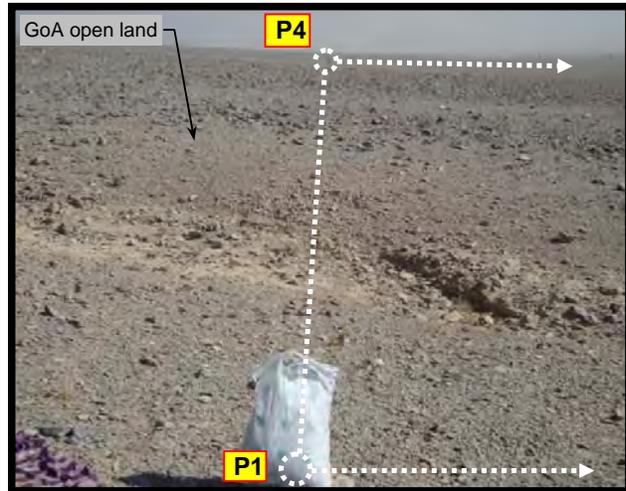
A – to South



B - to Southeast

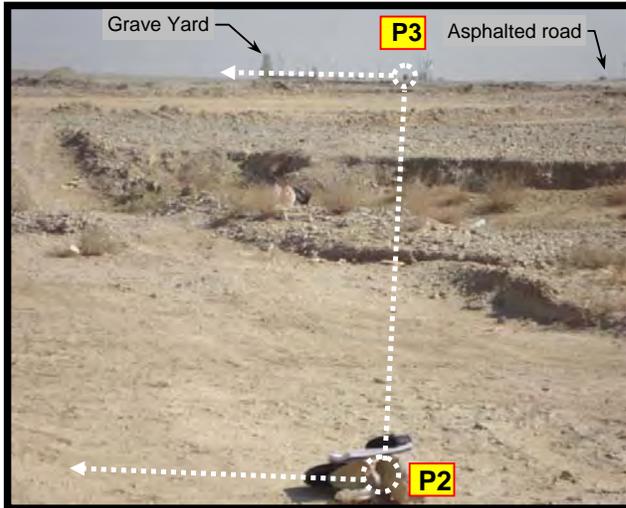


C- to East

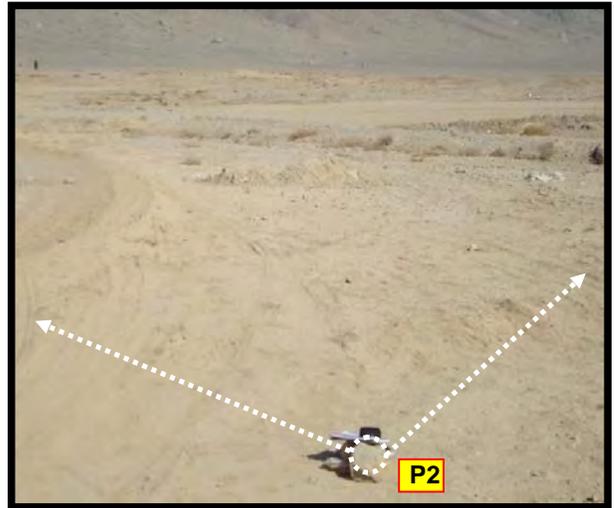


Site Corner Point # 2

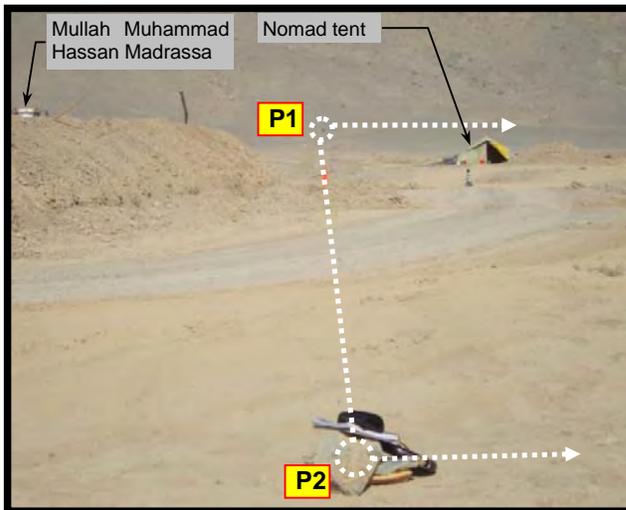
D - to East



E- to Northeast

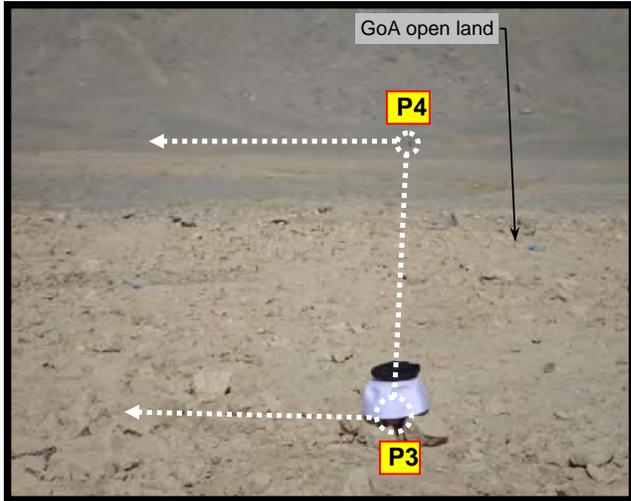


F - to North

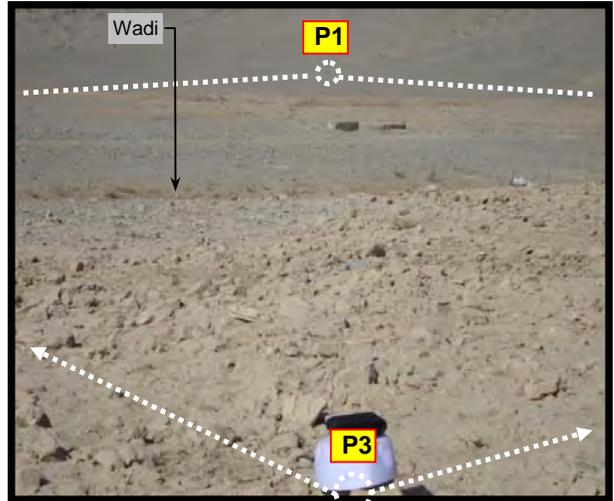


Site Corner Point # 3

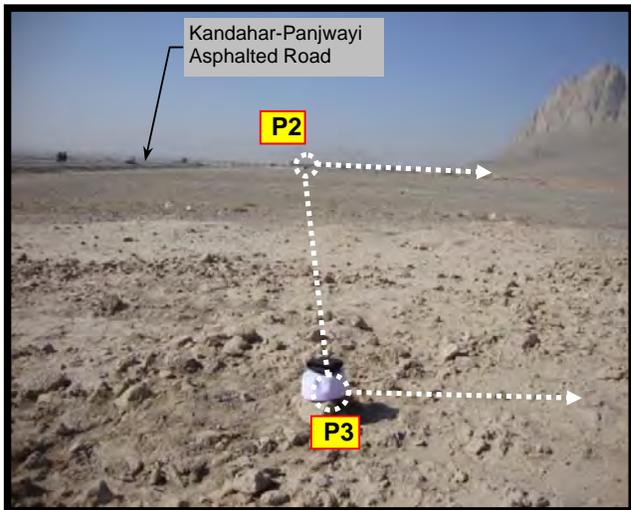
G – to North



H - to Northwest



I – to West



Site corner Point # 4

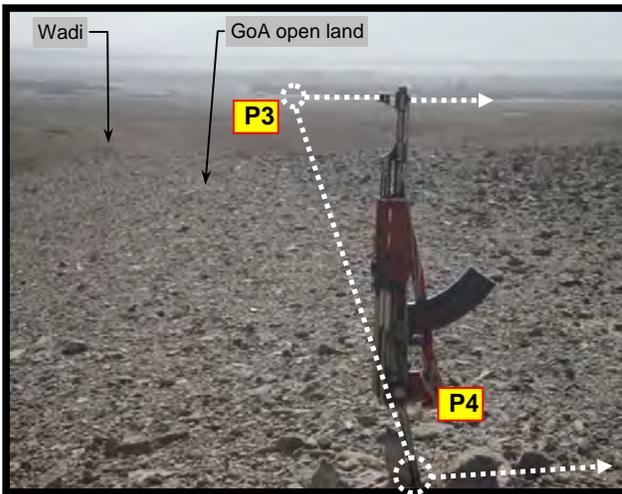
J- to West



K- to Southwest



L- to South



**ADDITIONAL
SITE PHOTOGRAPHS**

SITE ASSESSMENT

M-Southwest



N-South



Meeting Photographs

