

TOPOGRAPHIC SURVEY CONTROL POINT RECORD

STATION LONG NAME	MU07
STATION NUMBER	MU07
4 CHAR ID	MU07
COUNTRY	IRAQ
LOCATION	AL MUTHANNA
SURVEYING AGENCY	IGRS
DATE (OF DESCRIPTION)	07 JULY 2005

CONTENTS	YES	NO	NO OF PAGES
FIELD COORDINATE VALUES	X		1
OFFICE COORDINATE VALUES	X		1
STATION MONUMENT & SITE DETAILS	X		1
STATION DIAGRAM	X		1
ACCESS MAP	X		1
ACCESS DESCRIPTION	X		1
APPROACH PHOTOGRAPHS	X		1
CARDINAL POINT PHOTOGRAPHS	X		2

RECORD OF VISITS

DATE OF VISIT	NAME	UNIT	REMARKS

ADDITIONAL DETAILS/ENCLOSURES

CONTENTS	NO OF PAGES

FIELD COORDINATE VALUES

STATION LONG NAME	MU07
4 CHAR ID	MU07
STATION NUMBER	MU07

THIS STATION IS NEW	YES
IDENTICAL / NEARLY IDENTICAL WITH	N/A

FIELD VALUES FROM THE RECEIVER / HAND HELD GPS – IN WGS84

LATITUDE N	30° 11' 25.14"
LONGITUDE E	44° 14' 07.49"
HT (M)	+369
GRID ZONE DESIGNATOR	38R
UTM / MGRS GRID	38R MU 26397 40121
SURVEYING AGENCY	IGRS

FIELD INPUT BY: LCPL AVIS	UNIT: IGRS	DATE: 07 JULY 05
FIELD CHECKED BY: SPR LOCKHART	UNIT: IGRS	DATE: 07 JULY 05

OFFICE COORDINATE VALUES

WGS 84 ADJUSTED VALUES AS AT: 25 Aug 05

LATITUDE N	30° 11' 25.19432''
LONGITUDE E	044° 14' 07.62320''
SPHEROIDAL HT (M)	366.060
ORTHOMETRIC HT (M)	-0.982
VERTICAL DATUM	WGS 84
GEOID MODEL USED	EGM 96
RELATIVE TO	CORS STATIONS
RELATIVE POSITION ACCURACY(M)	0.015
RELATIVE HEIGHT ACCURACY (M)	0.035
ADJUSTING AGENCY	OPUS
ADJUSTMENT DATE	25 AUG 2005

LOCAL DATUM VALUES AS AT: 25 Aug 05

SPHEROID	N/A
PROJECTION	N/A
GRID	N/A
VERTICAL DATUM	N/A
LATITUDE N / S	N/A
LONGITUDE E / W	N/A
EASTINGS (M)	N/A
NORTHINGS (M)	N/A
SPHEROIDAL HT (M)	N/A
ORTHOMETRIC HT (M)	N/A
GRID ZONE DESIGNATOR	N/A
TRANSFORMATION AGENCY	N/A
TRANSFORMATION DATE	N/A

GRAVITY VALUE: N/A	TYPE OF STN: N/A	REF: N/A
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AIR PHOTO: N/A	REF: N/A	SCALE: N/A
IMAGERY: N/A	REF: N/A	SCALE: N/A

OFFICE INPUT BY: LCPL COWARD	UNIT: IGRS	DATE: 25 AUG 2005
OFFICE CHECKED BY: LCPL DICKEN	UNIT: IGRS	DATE: 25 AUG 2005

STATION MONUMENT AND SITE DETAILS

STATION LONG NAME: MU07	
STATION NUMBER: MU07	4 CHAR ID: MU07
LOCATION: AL MUTHANA	COUNTRY: IRAQ
STATION ADDRESS: N/A	
TEL: N/A	FAX: N/A
LAND OWNER ADDRESS: N/A	
TEL: N/A	FAX: N/A
TYPE OF MARK: HARN	
CONDITION: GOOD	
MARK SETTING: FINE MARK ON REBAR	NO OF REBARS: 1

MONUMENT PHOTO / SKETCH



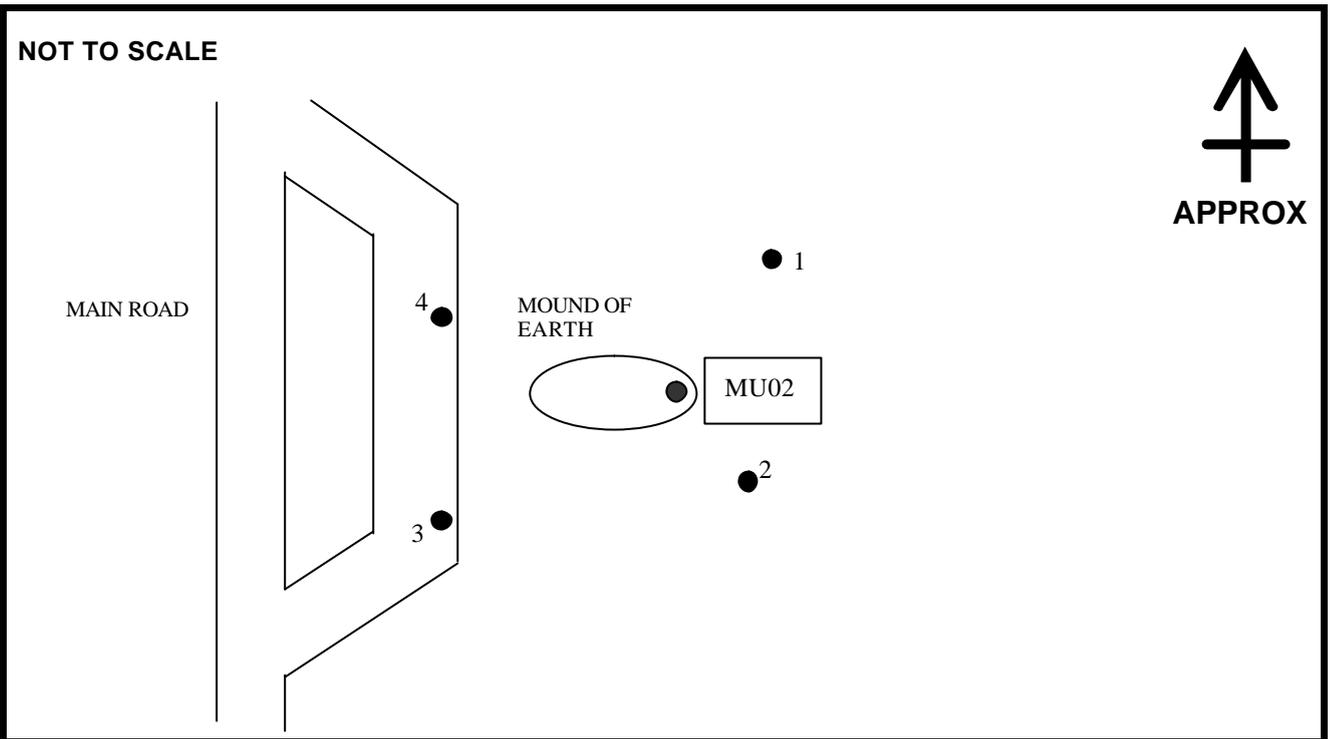
PREPARED BY: LCPL AVIS	UNIT: IGRS	DATE: 07 JULY 05
CHECKED BY: SPR LOCKHART	UNIT: IGRS	DATE: 07 JULY 05

STATION DIAGRAM

STATION LONG NAME: MU07

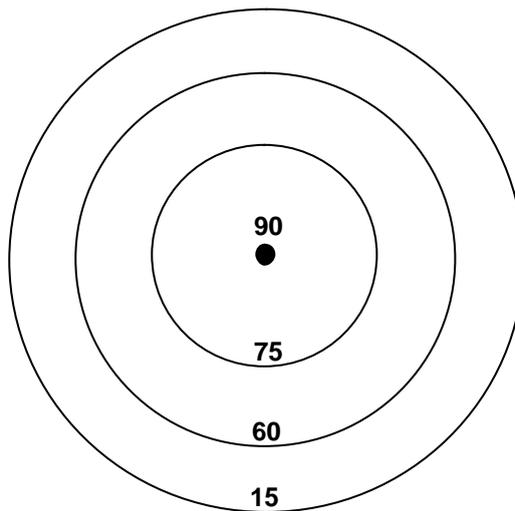
STATION NUMBER: MU07

4 CHAR ID: MU07



NO	DESCRIPTION	BRG/HORZ ANGLE	DISTANCE m
1	METAL PICKET	225°	15
2	METAL PICKET	341°	14
3	FINE MARK (CROSS) ON EDGE OF ROAD	61°	19
4	FINE MARK (CROSS) ON EDGE OF ROAD	178°	23

OBSCURITY DETAILS



PREPARED BY: LCPL AVIS

UNIT: IGRS

DATE: 07 JULY 05

CHECKED BY: SPR LOCKHART

UNIT: IGRS

DATE: 07 JULY 05

ACCESS MAP

STATION LONG NAME: MU07

STATION NUMBER: MU07

4 CHAR ID: MU07

MAP DETAILS

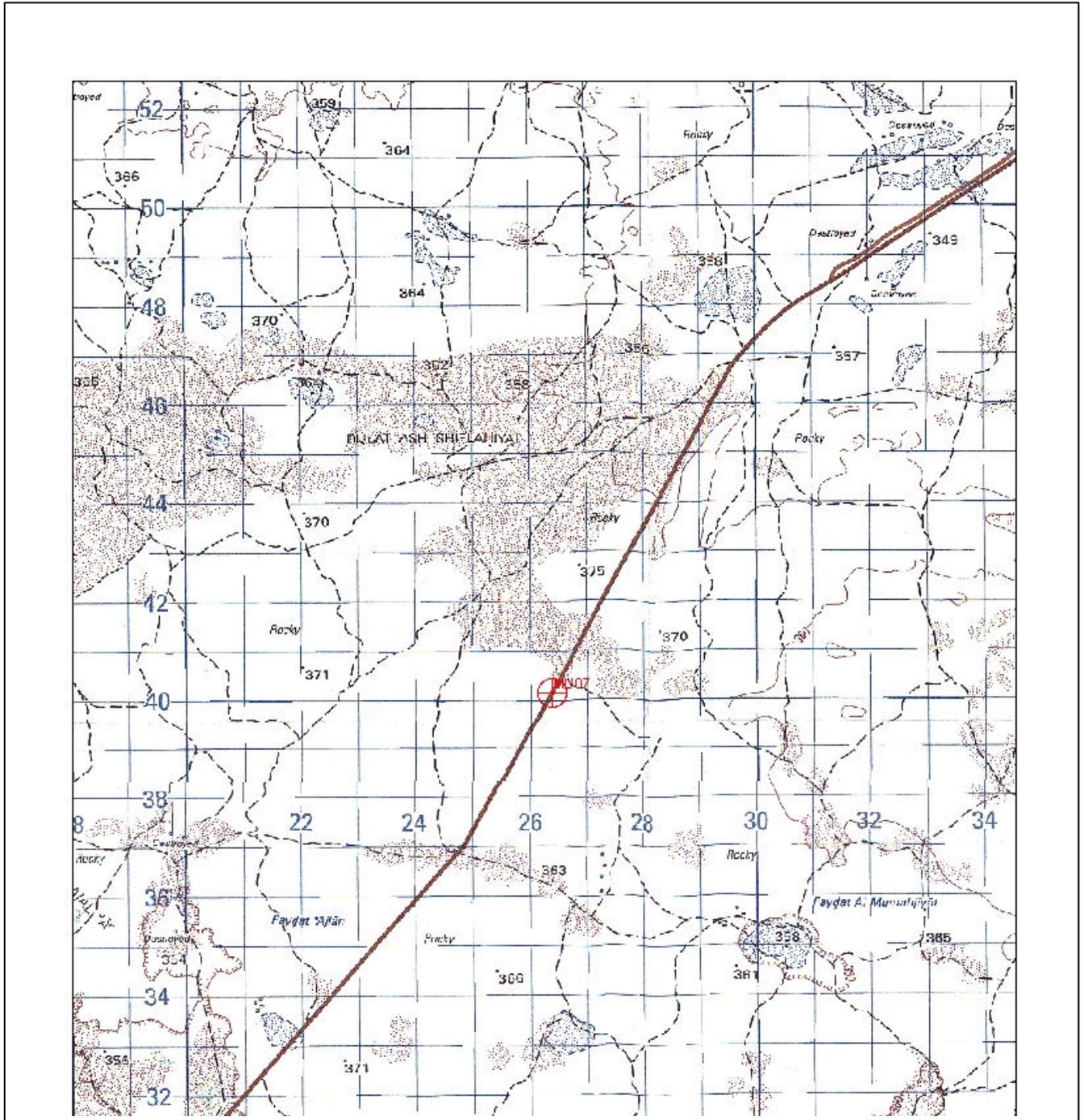
SERIES: K643

SHEET: 4850

EDITION: 1-DMA

SCALE: 1:100,000

GR: 38R MU 26397 40121



PREPARED BY: LCPL AVIS

UNIT: IGRS

DATE: 07 JULY 05

CHECKED BY: SPR LOCKHART

UNIT: IGRS

DATE: 07 JULY 05

ACCESS DESCRIPTION

STATION LONG NAME: MU07	
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STATION NUMBER: MU07

4 CHAR ID: MU07

MAP DETAILS

SERIES: K643

SHEET: 4850

EDITION: 1-DMA

SCALE: 1:100,000

GR: 38R MU 26397 40121

From major road junction West of As Samawah Grid reference 38R NV066 597. Follow metal road South for approximately 110km. The point is located just off the road next to a lay-by on a prominent mound.

PREPARED BY: LCPL AVIS

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APPROACH PHOTOGRAPHS

STATION LONG NAME: MU07

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NEAR APPROACH FACING NORTH



FAR APPROACH FACING NORTH



TAKEN BY: SPR LOCKHART

DATE TAKEN: 07 JUL 05

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CARDINAL PHOTOGRAPHS

STATION LONG NAME: MU07

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NORTH



SOUTH



TAKEN BY: SPR LOCKHART

DATE TAKEN: 07 JUL 05

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CARDINAL PHOTOGRAPHS

STATION LONG NAME: MU07

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EAST



WEST



TAKEN BY: SPR LOCKHART

DATE TAKEN: 07 JUL 05

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