



**BARANGAY BOUNDARY MAP  
OF  
BARANGAY BUGAWAS (CASE 16)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARMM-064**

SITUATED IN THE

BARANGAY OF : BUGAWAS  
MUNICIPALITY OF : DATU ODIN SINSUAT  
PROVINCE OF : MAGUINDANAO  
ISLAND OF : MINDANAO  
CONTAINING AN AREA OF 1,086,5664 HAS.

ZONE NO. V  
PPCS-PTM/PRS 92  
BEARING : GRID  
SCALE 1:40,000



DATE SURVEYED : MAY 1 - JUNE 1, 2015

SURVEYED IN ACCORDANCE WITH THE PROVISION OF DENR ADMINISTRATIVE ORDER NO. 2007-29 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MUSLIM MINDANAO PURSUANT TO THE CADASTRAL SURVEY CONTRACT DATED JAN. 12, 2015

SURVEYED BY: GEOLANE LAND CONSULTANTS

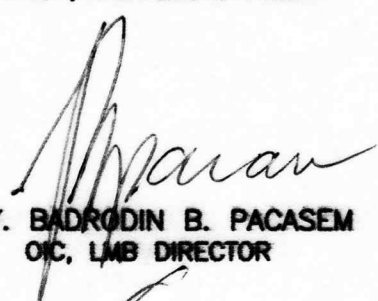
  
GILBERT P. PALACOS  
CHIEF OF PARTY CONTRACTOR

Date Submitted:


Verified and Found Correct By:

  
ALLAN LAO DIANSUY AL-HADJ-MPA  
CHIEF, SURVEYS DIVISION

Recommending Approval:

  
ATTY. BADRODIN B. PACASEM  
OIC, LMB DIRECTOR

APPROVED:

  
HADJI KAHAL Q. KEDTAG  
REGIONAL SECRETARY

Date Approved:

*M. A. S. Sabie*  
MOSALEM A. SABIE  
Engineer IV

Verified By:

*Charlene S. Pascual*  
CHARLENE S. PASCUAL  
Engineer I

*Julian G. Pascual Jr.*  
JULIAN G. PASCUAL JR.  
Cartographer

Checked By:

TECHNICAL DESCRIPTION			
LINE	BEARINGS	DISTANCES	DESCRIPTION
<b>BOUNDARY</b>			
1-2	N.02-14E	2,028.731 m.	1- BSM 28
2-3	S.70-52E	3,348.830 m.	2- BSM 29
3-4	N.25-58E	1,830.350 m.	3- BSM 14
4-5	S.06-28E	2,870.129 m.	4- BSM 05
5-6	S.76-34W	827.628 m.	5- BSM 47
6-1	N.78-10W	3,406.081 m.	6- BSM 16

The Area N.40-27W. 8,328.783 m.; from BLM No.1, MGD-ARMM-064 to Corner "1".



**BARANGAY BOUNDARY MAP  
OF  
BARANGAY BUGAWAS (CASE 16)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARMM-064**

SITUATED IN THE  
MUNICIPALITY OF  
PROVINCE OF  
CONTAINING AN AREA OF 1,084,064 HAS.  
ZONE NO. V  
PRC-114/PRS 92  
BEARINGS - GRID  
SCALE 1:40,000



DATE SURVEYED: MAY 1 - JUNE 1, 2015

SURVEYED IN ACCORDANCE WITH THE PROVISIONS OF DENR ADMINISTRATIVE ORDER NO. 2007-28 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MINDANAO PURSUANT TO THE CONTRACT SURVEY CONTRACT DATED JAN. 12, 2010

SURVEYED BY: GEOLAND LAND CONSULTANTS

*[Signature]*  
GEMBIT P. PALACIOS  
CHIEF OF PARTY/CONTRACTOR

Date Submitted:

Verified and Found Correct By:

ALLAN LAO DANGUY AL-HADJ-MPA  
CHIEF, SURVEYS DIVISION

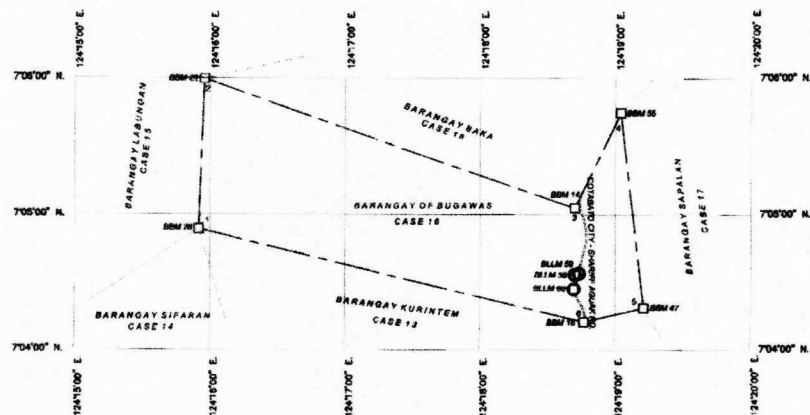
Recommending Approval:

*[Signature]*  
ATTY. BERDAND B. PACASEM  
OC, LAB DIRECTOR

APPROVED:

*[Signature]*  
MAGS KAWA B. KEDTAD  
REGIONAL SECRETARY

Date Approved:



NOTE:

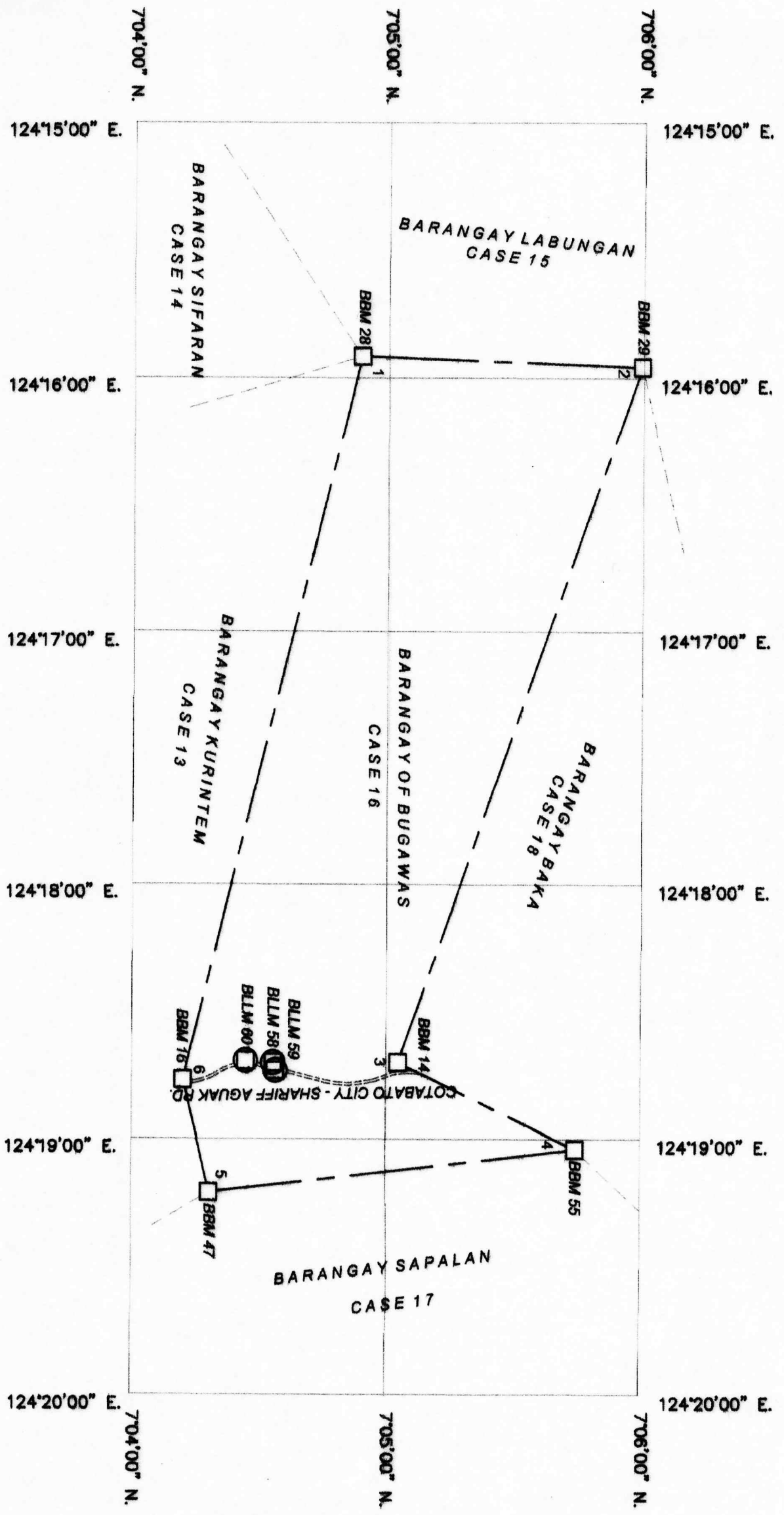
POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE V  
GRID COORDINATES: N=000,000.00 m. E=500,000.00 m.  
GEOGRAPHIC POSITION: LAT=0-0-00.00 N, LONG=120-00-00.00 E

NUMBER OF BARANGAYS - 34 BARANGAYS

REFERENCE POINTS:

- "MGD-2" 1st. ORDER PRS 92 COORDS: 713'13.64688" N, 124'14'33.61038" E ; ELLIP HT: 63.172 m.
- "CTH-24" 2nd. ORDER PRS 92 COORDS: 716'48.71842" N, 124'22'21.88852" E ; ELLIP HT: 28.751 m.
- "BLM-1 MGD-ARMM-064" 3rd. ORDER PRS 92 COORDS: 700'41.18889" N, 124'09'30.34771" E ; ELLIP HT: 448.158 m.
- "BLM-1" 3rd. ORDER PRS 92 COORDS: 701'27.91907" N, 124'18'51.35514" E ; ELLIP HT: 16.890 m.

ORIGINAL COPY



TECHNICAL DESCRIPTION			
LINES	BEARINGS	DISTANCES	DESCRIPTION
BOUNDARY			COR. No. = MON. No.
1-2	N.02-14E.	2,028.731 m.	1= BBM 28
2-3	S.70-52E.	5,345.930 m.	2= BBM 29
3-4	N.25-56E.	1,430.350 m.	3= BBM 14
4-5	S.08-29E.	2,670.125 m.	4= BBM 55
5-6	S.76-34W.	827.628 m.	5= BBM 47
6-1	N.76-15W.	5,408.081 m.	6= BBM 16
Tie lines N.40-27W. 8,328.783 m.; from BLLM No.1, MGD-ARM-064 to Corner "1":			

**NOTE:**

POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE V  
 GRID COORDINATES: N=000,000.00 m. E=500,000.00 m.  
 GEOGRAPHIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E  
 NUMBER OF BARANGAYS - 34 BARANGAYS

**REFERENCE POINTS:**

"MD-2" 1st. ORDER PRS 92 COORDS: 7°13'15.84598" N, 124°14'33.81529" E ; ELLIP HT: 83.172 m.  
 "CTN-24" 2nd. ORDER PRS 92 COORDS: 7°16'48.71842" N, 124°27'21.88552" E ; ELLIP HT: 28.751 m.  
 "BLLM-1 MGD-ARM-006" 3rd. ORDER PRS 92 COORDS: 7°00'41.18889" N, 124°09'30.34771" E ; ELLIP HT: 449.158 m.  
 "BLLM-1" 3rd. ORDER PRS 92 COORDS: 7°01'27.51907" N, 124°18'51.35514" E ; ELLIP HT: 16.590 m.





**BARANGAY BOUNDARY MAP  
OF  
BARANGAY TAVIRAN (CASE 19)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARMM-064**

SITUATED IN THE

BARANGAY OF : TAVIRAN  
 MUNICIPALITY OF : DATU ODIN SINSUAT  
 PROVINCE OF : MAGUINDANAO  
 ISLAND OF : MINDANAO  
 CONTAINING AN AREA OF 930,6554 HAS.

ZONE NO. V  
 PPCS-PTM/PRS 92  
 BEARING : GRID  
 SCALE 1: 30,000



DATE SURVEYED : MAY 1 - JUNE 1, 2015

SURVEYED IN ACCORDANCE WITH THE PROVISION OF DENR ADMINISTRATIVE ORDER NO. 2007-29 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MUSLIM MINDANAO PURSUANT TO THE CADASTRAL SURVEY CONTRACT DATED JAN. 12, 2015

SURVEYED BY: GEOLANE LAND CONSULTANTS

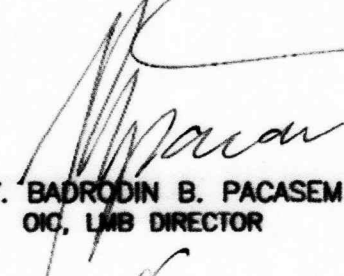
  
 GILBERT P. PALACOL  
 CHIEF OF PARTY/ CONTRACTOR

Date Submitted:

Verified and Found Correct By:

  
 ALLAN LAO DIANSUY AL-HADJ-MPA  
 CHIEF, SURVEYS DIVISION

Recommending Approval:

  
 ATTY. BADRODIN B. PACASEM  
 OIC, LMB DIRECTOR

APPROVED:

  
 HADJI KAFAL Q. KEDTAG  
 REGIONAL SECRETARY

Date Approved:

*M. S. L. P.*  
 MOSALEM L. SARIE  
 Engineer IV

Verified By:

*Charlene S. Pascual*  
 CHARLENE S. PASCUAL  
 Engineer II

*Julian S. Pascual Jr.*  
 JULIAN S. PASCUAL JR.  
 Cartographer I

Checked By:

TECHNICAL DESCRIPTION			
LINES	BEARINGS	DISTANCES	DESCRIPTION
1-2	S.73-38W	2,904.220 m.	1- BSM 15
2-3	N.52-08E	1,970.265 m.	2- BSM 30
3-4	N.58-15E	1,132.295 m.	3- BSM 82
4-5	N.73-01E	1,280.140 m.	4- BSM 89
5-6	N.85-10E	86.271 m.	5- BSM 71
6-7	S.37-38E	103.913 m.	6- CL-136
7-8	S.47-27E	97.562 m.	7- CL-138
8-9	S.65-18E	75.508 m.	8- CL-137
9-10	S.72-27E	85.279 m.	9- CL-138
10-11	S.75-08E	237.813 m.	10- CL-138
11-12	S.68-37E	184.589 m.	11- CL-140
12-13	S.58-02E	187.750 m.	12- CL-141
13-14	S.44-18E	97.235 m.	13- CL-142
14-15	S.19-07E	72.885 m.	14- CL-143
15-16	S.07-18W	65.101 m.	15- CL-144
16-17	S.33-05W	90.704 m.	16- CL-145
17-18	S.37-08W	138.494 m.	17- CL-146
18-19	S.28-18W	133.341 m.	18- CL-147
19-20	S.18-38W	104.587 m.	19- CL-148
20-21	S.03-27E	89.954 m.	20- CL-149
21-22	S.20-08E	116.285 m.	21- CL-150
22-23	S.40-36E	95.855 m.	22- CL-151
23-24	N.04-01E	48.613 m.	23- CL-152
24-25	S.04-01W	48.613 m.	24- BSM 1 BSM-ARM-045
25-26	S.27-02E	205.948 m.	25- CL-152
26-27	S.20-33E	140.340 m.	26- CL-153
27-28	S.15-04E	123.145 m.	27- CL-154
28-29	S.23-29E	80.910 m.	28- CL-155
29-30	S.48-28E	87.577 m.	29- CL-156
30-31	S.68-27E	129.018 m.	30- CL-157
31-32	S.85-18E	91.733 m.	31- CL-158
32-33	Due South	88.101 m.	32- CL-159
33-1	S.58-02W	280.019 m.	33- BSM 53

The line N.04-01E, 48.613 m.; from BLM No.1, MGD-ARM-004 to Corner "1".



**BARANGAY BOUNDARY MAP  
OF  
BARANGAY TAVIRAN (CASE 19)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARM-064**

SITUATED IN THE  
 BARANGAY OF : TAVIRAN  
 MUNICIPALITY OF : DATU ODIN SINSUAT  
 PROVINCE OF : MAGUINDANAO  
 ISLAND OF : SULU  
 CONTAINING AN AREA OF : 230,855+4 HNS.  
 ZONE N.1 V.  
 PAGES: P19/P19-82  
 DRAWING: 1-000  
 SCALE: 1:30,000

DATE SURVEYED : MAY 1 - JUNE 1, 2015

SURVEYED IN ACCORDANCE WITH THE PROVISIONS OF DEPT. ADMINISTRATIVE ORDER NO. 2007-20 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MUSLIM MINDANAO PURSUANT TO THE GEOMETRICAL SURVEY CONTRACT DATED JAN. 12, 2015

SURVEYED BY: GEOLAND LAND CONSULTANTS

Date Submitted:

Verified and Found Correct By:

Recommending Approval:

APPROVED:

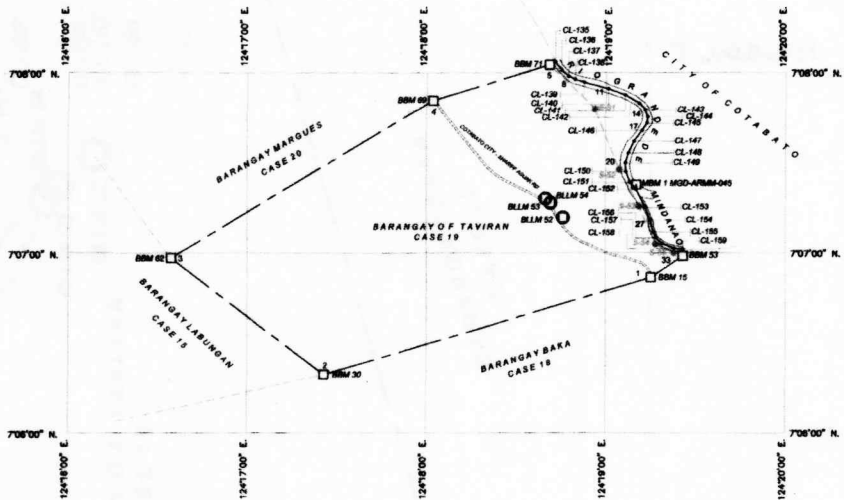
Date Approved:

*Albert P. Palacios*  
 CHIEF OF PARTY/CONTRACTOR

*Allan Lao Dansuy Al-Ferdj-MPA*  
 CHIEF, SURVEYS DIVISION

*Atty. Emmanuel B. Procasim*  
 CHIEF, LEGAL SECTION

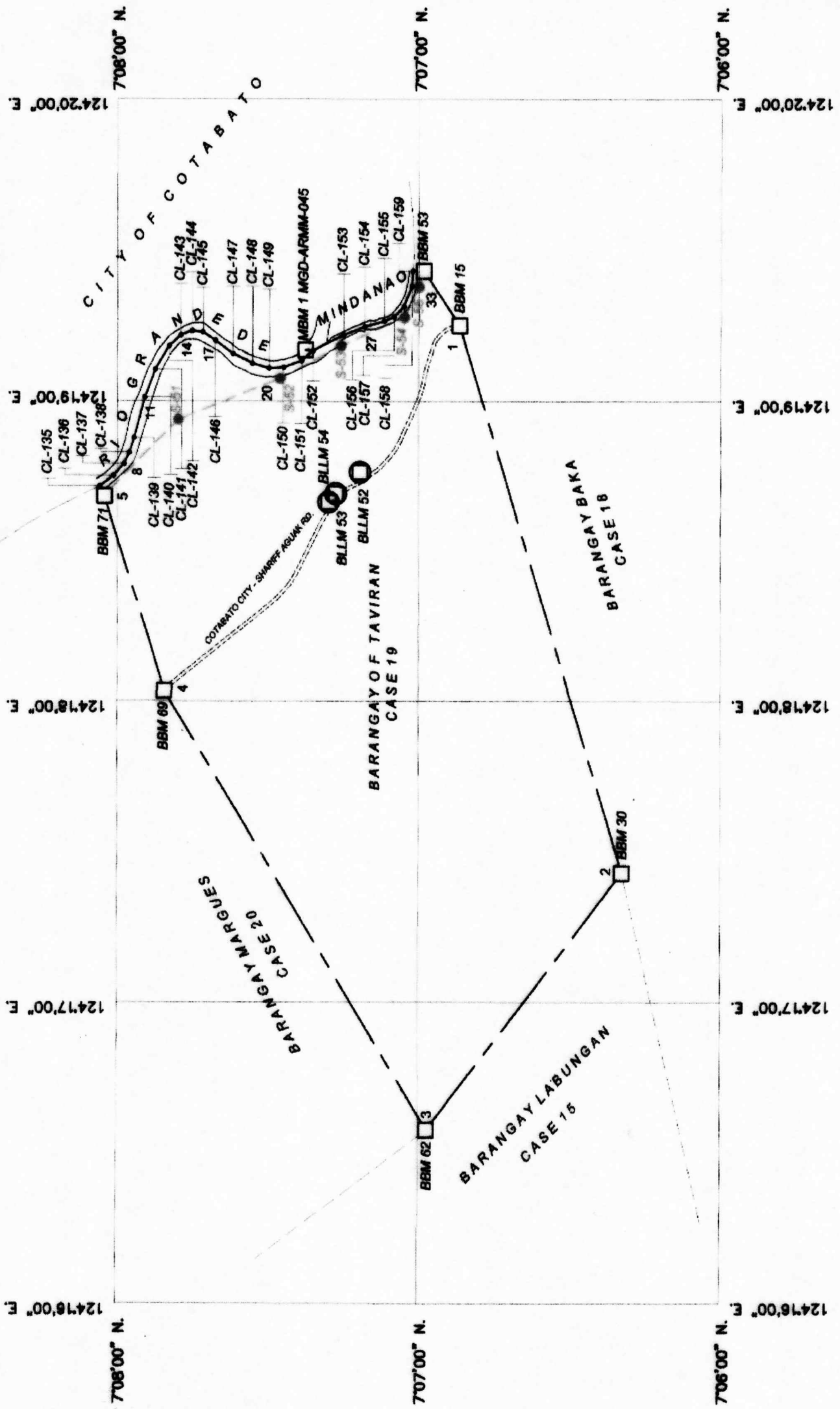
*Hadji Farid G. Hedtag*  
 REGIONAL SECRETARY



NOTE:  
 POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE V  
 GRID COORDINATES: N=600,000.00 m, E=600,000.00 m.  
 GEODATUM POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E  
 NUMBER OF BARANGAYS - 34 BARANGAYS

REFERENCE POINTS:

- "MGD-2" 1st. ORDER PRS 82 COORDS: 7°13'15.84889" N, 124°14'33.61029" E; ELLIP HT: 63.172 m.
- "CTN-04" 2nd. ORDER PRS 82 COORDS: 7°16'48.71845" N, 124°27'21.88852" E; ELLIP HT: 28.751 m.
- "BLM-1 MGD-ARM-008" 3rd. ORDER PRS 82 COORDS: 7°00'41.16889" N, 124°08'30.34771" E; ELLIP HT: 448.158 m.
- "BLM-1" 3rd. ORDER PRS 82 COORDS: 7°01'27.51907" N, 124°18'01.38614" E; ELLIP HT: 16.580 m.



TECHNICAL DESCRIPTION			
LINES	BEARINGS	DISTANCES	DESCRIPTION
BOUNDARY			COR. No. - MON. No.
1-2	S.73-38W	5,504.220 m.	1= BSM 15
2-3	N.52-48W	3,970.355 m.	2= BSM 30
3-4	N.58-15E	3,132.295 m.	3= BSM 62
4-5	N.73-01E	1,250.140 m.	4= BSM 69
5-6	N.65-10E	85.271 m.	5= BSM 71
6-7	S.37-28E	103.613 m.	6= CL-135
7-8	S.47-27E	97.562 m.	7= CL-136
8-9	S.45-18E	75.938 m.	8= CL-137
9-10	S.72-27E	95.279 m.	9= CL-138
10-11	S.75-08E	257.613 m.	10= CL-139
11-12	S.88-37E	184.588 m.	11= CL-140
12-13	S.88-02E	167.750 m.	12= CL-141
13-14	S.44-19E	97.238 m.	13= CL-142
14-15	S.19-57E	72.662 m.	14= CL-143
15-16	S.07-15W	85.101 m.	15= CL-144
16-17	S.33-00W	90.704 m.	16= CL-145
17-18	S.37-08W	138.494 m.	17= CL-146
18-19	S.28-19W	133.341 m.	18= CL-147
19-20	S.18-39W	104.597 m.	19= CL-148
20-21	S.03-27E	89.854 m.	20= CL-149
21-22	S.20-08E	118.200 m.	21= CL-150
22-23	S.40-58E	95.800 m.	22= CL-151
23-24	N.04-01E	48.613 m.	23= CL-152
24-25	S.04-01W	48.613 m.	24= BSM 1 BSM-ARM-006
25-26	S.27-42E	200.948 m.	25= CL-152
26-27	S.20-33E	140.340 m.	26= CL-153
27-28	S.15-54E	123.145 m.	27= CL-154
28-29	S.23-39E	85.510 m.	28= CL-155
29-30	S.48-28E	67.577 m.	29= CL-156
30-31	S.68-27E	129.018 m.	30= CL-157
31-32	S.88-18E	91.733 m.	31= CL-158
32-33	Due South	68.101 m.	32= CL-159
33-1	S.50-02W	395.019 m.	33= BSM 53

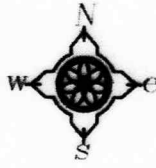
Tie line N.04-17E, 8,998.520 m.; from BLM No.1, MGD-ARM-004 to Corner "1".

**NOTE:**

POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE V  
 GRID COORDINATES: N=000,000.00 m. E=800,000.00 m.  
 GEOGRAPHIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E  
 NUMBER OF BARANGAYS - 34 BARANGAYS

**REFERENCE POINTS:**

- "MGD-2" 1st. ORDER PRS 92 COORDS: 7°15'15.64588" N, 124°14'33.61528" E ; ELLIP HT: 63.172 m.
- "CTN-24" 2nd. ORDER PRS 92 COORDS: 7°16'49.71842" N, 124°27'21.89852" E ; ELLIP HT: 28.751 m.
- "BLM-1 MGD-ARM-006" 3rd. ORDER PRS 92 COORDS: 7°00'41.16888" N, 124°08'30.34771" E ; ELLIP HT: 448.158 m.
- "BLM-1" 3rd. ORDER PRS 92 COORDS: 7°01'27.51907" N, 124°18'51.35514" E ; ELLIP HT: 16.580 m.

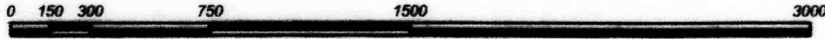


**BARANGAY BOUNDARY MAP  
OF  
BARANGAY BAKA (CASE 18)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARMM-064**

SITUATED IN THE

BARANGAY OF : BAKA  
 MUNICIPALITY OF : DATU ODIN SINSUAT  
 PROVINCE OF : MAGUINDANAO  
 ISLAND OF : MINDANAO  
 CONTAINING AN AREA OF 1,164,0793 HAS.

ZONE NO. V  
 PPCS-PTM/PRS 92  
 BEARING : GRID  
 SCALE 1:30,000



DATE SURVEYED : MAY 1 - JUNE 1, 2015

SURVEYED IN ACCORDANCE WITH THE PROVISION OF DENR ADMINISTRATIVE ORDER NO. 2007-29 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MUSLIM MINDANAO PURSUANT TO THE CADASTRAL SURVEY CONTRACT DATED JAN. 12, 2015

SURVEYED BY: GEOLANE LAND CONSULTANTS

*[Signature]*  
 GILBERT P. PALACOL  
 CHIEF OF PARTY/CONTRACTOR

Date Submitted:

Verified and Found Correct By:

*[Signature]*  
 ALLAN LAO DIANSUY AL-HADJ-MPA  
 CHIEF, SURVEYS DIVISION

Recommending Approval:

*[Signature]*  
 ATTY. BABRODIN B. PACASEM  
 OIC, LMB DIRECTOR

APPROVED:

*[Signature]*  
 HADJI KAHAL Q. KEDTAG  
 REGIONAL SECRETARY

Date Approved:

Verified By: *[Signature]*  
 MOSALEM I. SARIE  
 Engineer IV

Checked By: *[Signature]*  
 CHARLENE S. PASCUAL  
 Engineer I

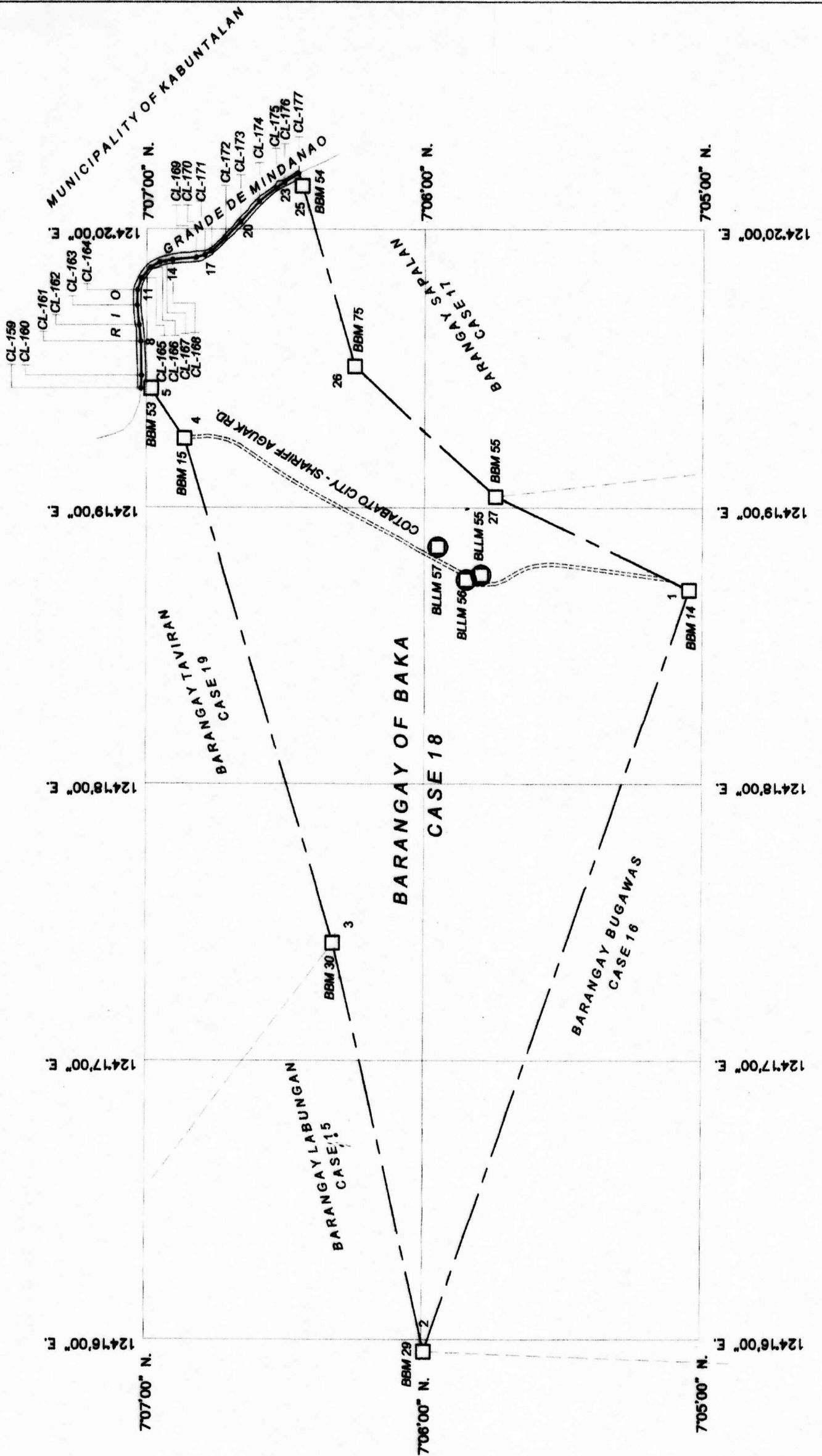
Checked By: *[Signature]*  
 JULIAN Q. PASCUAL JR.  
 Cartographer

Checked By:

*Handwritten note: 001*







## TECHNICAL DESCRIPTION

LINES	BEARINGS	DISTANCES	DESCRIPTION
<b>BOUNDARY</b>			<b>COR. No. = MON. No.</b>
1-2	N.70-52W. ✓	5,345.930 m.	1= BBM 14
2-3	N.77-21E. ✓	2,774.533 m.	2= BBM 29
3-4	N.73-38E. ✓	3,504.220 m.	3= BBM 30
4-5	N.56-02E. ✓	395.019 m.	4= BBM 15
5-6	Due North ✓	68.101 m.	5= BBM 53
6-7	S.86-16E. ✓	81.450 m.	6= CL-159
7-8	N.88-51E. ✓	226.690 m.	7= CL-160
8-9	N.84-06E. ✓	108.074 m.	8= CL-161
9-10	N.83-55E. ✓	129.591 m.	9= CL-162
10-11	S.88-55E. ✓	101.680 m.	10= CL-163
11-12	S.71-15E. ✓	81.579 m.	11= CL-164
12-13	S.50-27E. ✓	92.540 m.	12= CL-165
13-14	S.29-15E. ✓	73.010 m.	13= CL-166
14-15	S.09-29E. ✓	85.736 m.	14= CL-167
15-16	S.05-26E. ✓	157.525 m.	15= CL-168
16-17	S.16-00E. ✓	58.459 m.	16= CL-169
17-18	S.29-33E. ✓	51.229 m.	17= CL-170
18-19	S.43-15E. ✓	126.175 m.	18= CL-171
19-20	S.47-21E. ✓	148.233 m.	19= CL-172
20-21	S.47-47E. ✓	183.143 m.	20= CL-173
21-22	S.39-29E. ✓	141.723 m.	21= CL-174
22-23	S.33-50E. ✓	68.721 m.	22= CL-175
23-24	S.32-00E. ✓	108.281 m.	23= CL-176
24-25	S.71-45W. ✓	86.333 m.	24= CL-177
25-26	S.73-45W. ✓	1,243.947 m.	25= BBM 54
26-27	S.42-46W. ✓	1,270.622 m.	26= BBM 75
27-1	S.25-55W. ✓	1,430.350 m.	27= BBM 55

Tie lines N.02-22W. 6,618.424 m.; from BLLM No.1,  
MGD-ARMM-064 to Corner "1":

**NOTE:**

**POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE V**

**GRID COORDINATES: N=000,000.00 m. E=500,000.00 m.**

**GEOGRAPHIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E**

**NUMBER OF BARANGAYS - 34 BARANGAYS**

**REFERENCE POINTS:**

**"MGD-2" 1st. ORDER PRS 92 COORDS: 7°13'15.64596" N, 124°14'33.61529" E ; ELLIP HT: 63.172 m.**

**"CTN-24" 2nd. ORDER PRS 92 COORDS: 7°16'49.71842" N, 124°27'21.89552" E ; ELLIP HT: 29.751 m.**

**"BLM-1 MGD-ARMM-006" 3rd. ORDER PRS 92 COORDS: 7°00'41.16889" N, 124°09'30.34771" E ; ELLIP HT: 449.158 m.**

**"BLM-1" 3rd. ORDER PRS 92 COORDS: 7°01'27.51907" N, 124°18'51.35514" E ; ELLIP HT: 16.590 m.**

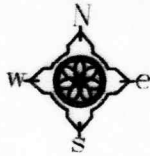
MDS Check

Commercial

Payee/Office:

CELANIE H. DUTTA

ORIGINAL COPY



**BARANGAY BOUNDARY MAP  
OF  
BARANGAY SAPALAN (CASE 17)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARMM-064**

SITUATED IN THE

BARANGAY OF : SAPALAN  
 MUNICIPALITY OF : DATU ODIN SINSUAT  
 PROVINCE OF : MAGUINDANAO  
 ISLAND OF : MINDANAO  
 CONTAINING AN AREA OF 1,467,1197 HAS.  
 ZONE NO. V  
 PPCS-PTM/PRS 92  
 BEARING : GRID  
 SCALE 1:30,000

0 150 300 750 1500 3000

DATE SURVEYED : MAY 1 - JUNE 1, 2015

SURVEYED IN ACCORDANCE WITH THE PROVISION OF DENR ADMINISTRATIVE ORDER NO. 2007-29 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MUSLIM MINDANAO PURSUANT TO THE CADASTRAL SURVEY CONTRACT DATED JAN. 12, 2015

SURVEYED BY: GEOLANE LAND CONSULTANTS

*[Signature]*  
GILBERT P. PALACOL  
CHIEF OF PARTY/CONTRACTOR

Date Submitted:

Verified and Found Correct By:

*[Signature]*  
ALLAN LAO DIANSUY AL-HADJ-MPA  
CHIEF, SURVEYS DIVISION

Recommending Approval:

*[Signature]*  
ATTY. BADRODIN B. PACASEM  
OIC, LMB DIRECTOR

APPROVED:

*[Signature]*  
HADJI KAHAL Q. KEDTAG  
REGIONAL SECRETARY

Date Approved:

Verified By: *[Signature]*  
MOSALEM L. SARIF  
Engineer

*[Signature]*  
CHARLENE S. PASQUAL  
Engineer

*[Signature]*  
JULIAN C. PASQUAL JR.  
Cartographer

Checked By:



TECHNICAL DESCRIPTION			
LINES	BEARINGS	DISTANCES	DESCRIPTION
<b>BOUNDARY</b>			
1-2	N.06-29W	870.125 m.	1= BSM 47
2-3	N.42-49E	270.922 m.	2= BSM 55
3-4	N.73-45E	243.947 m.	3= BSM 75
4-5	N.71-45E	86.333 m.	4= BSM 54
5-6	S.26-29E	90.567 m.	5= CL-177
6-7	S.23-29E	108.043 m.	6= CL-178
7-8	S.27-56E	89.558 m.	7= CL-179
8-9	S.30-03E	108.550 m.	8= CL-180
9-10	S.32-18E	138.204 m.	9= CL-181
10-11	S.48-23E	70.929 m.	10= CL-182
11-12	S.38-07E	77.714 m.	11= CL-183
12-13	S.27-28E	103.034 m.	12= CL-184
13-14	S.19-54E	97.890 m.	13= CL-185
14-15	S.23-29E	80.810 m.	14= CL-186
15-16	S.33-46E	59.269 m.	15= CL-187
16-17	S.83-58E	37.880 m.	16= CL-188
17-18	N.82-08E	88.856 m.	17= CL-189
18-19	N.82-23E	88.573 m.	18= CL-190
19-20	S.73-29E	111.563 m.	19= CL-191
20-21	S.84-08E	81.703 m.	20= CL-192
21-22	S.85-18E	77.596 m.	21= CL-193
22-23	S.48-41E	91.488 m.	22= CL-194
23-24	S.27-02E	82.400 m.	23= CL-195
24-25	S.07-59E	83.241 m.	24= CL-196
25-26	S.12-39E	83.364 m.	25= CL-197
26-27	S.25-34E	108.873 m.	26= CL-198
27-28	S.35-09E	139.289 m.	27= CL-199
28-29	S.38-08E	133.862 m.	28= CL-200
29-30	S.37-04E	105.882 m.	29= CL-201
30-31	S.36-29E	180.430 m.	30= CL-202
31-32	S.37-29E	107.809 m.	31= CL-203
32-33	S.27-52E	104.432 m.	32= CL-204
33-34	S.32-22E	150.389 m.	33= CL-205
34-35	S.36-02E	119.808 m.	34= CL-206
35-36	S.00-24W	59.868 m.	35= CL-207
36-37	S.24-09W	336.892 m.	36= BSM 52
37-38	N.68-22E	804.078 m.	37= BSM 48
38-1	N.30-59E	949.211 m.	38= BSM 49

The area 10.7-08E, 5,298.713 m.; from ILLM No. 1, MGD-ARMM-054 to Corner "1".



**BARANGAY BOUNDARY MAP  
OF  
BARANGAY SAPALAN (CASE 17)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARMM-054**

SITUATED IN THE  
BARANGAY OF SAPALAN  
MUNICIPALITY OF DATU ODIN SINSUAT  
PROVINCE OF MAGUINDANAO  
ISLAND OF SULU  
CONTAINING AN AREA OF 1,487,1197 HAs.

ZONE NO. V  
PPCS-774/PIS 92  
SCHEM: CRD  
SCALE: 1:30,000

DATE SURVEYED: MAY 1 - JUNE 1, 2015  
SURVEYED IN ACCORDANCE WITH THE PROVISION OF ODR ADMINISTRATIVE ORDER NO. 2007-29 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MUSLIM MINDANAO PURSUANT TO THE CADASTRAL SURVEY CONTRACT DATED JAN. 12, 2015  
SURVEYED BY: GEOLANE LAND CONSULTANTS

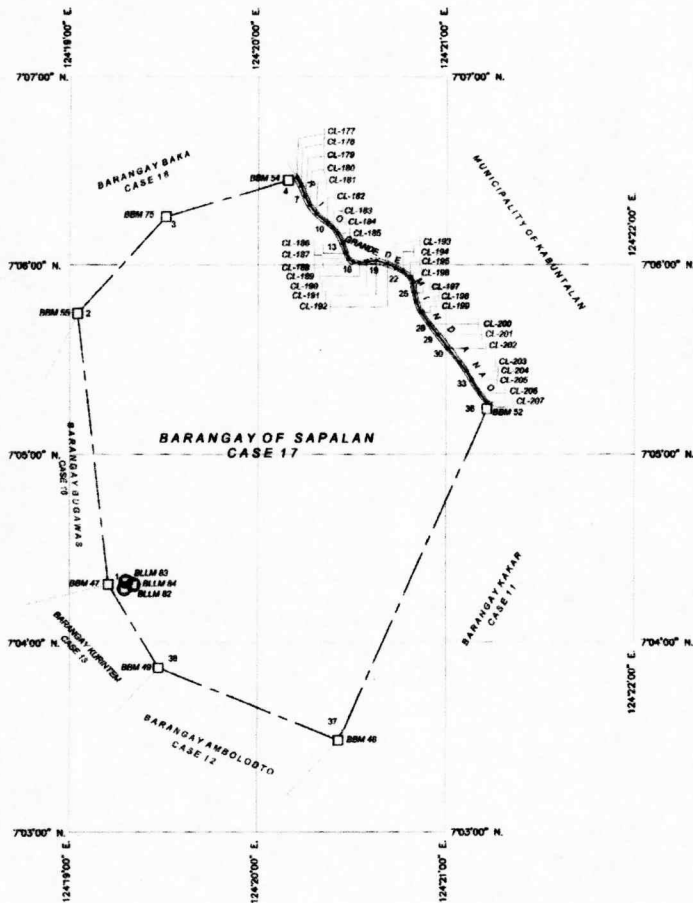
*Geolane Land Consultants*  
GILBERT P. MALACOG  
CHIEF OF PARTY/CONTRACTOR

Date Submitted:  
Verified and Found Correct By:  
ALLAN LAD DAMSUY AL-HADI-MPA  
CHIEF, SURVEYS DIVISION

Recommending Approval:  
ATTY. SANDYON S. PACASEM  
CL. LAB DIRECTOR

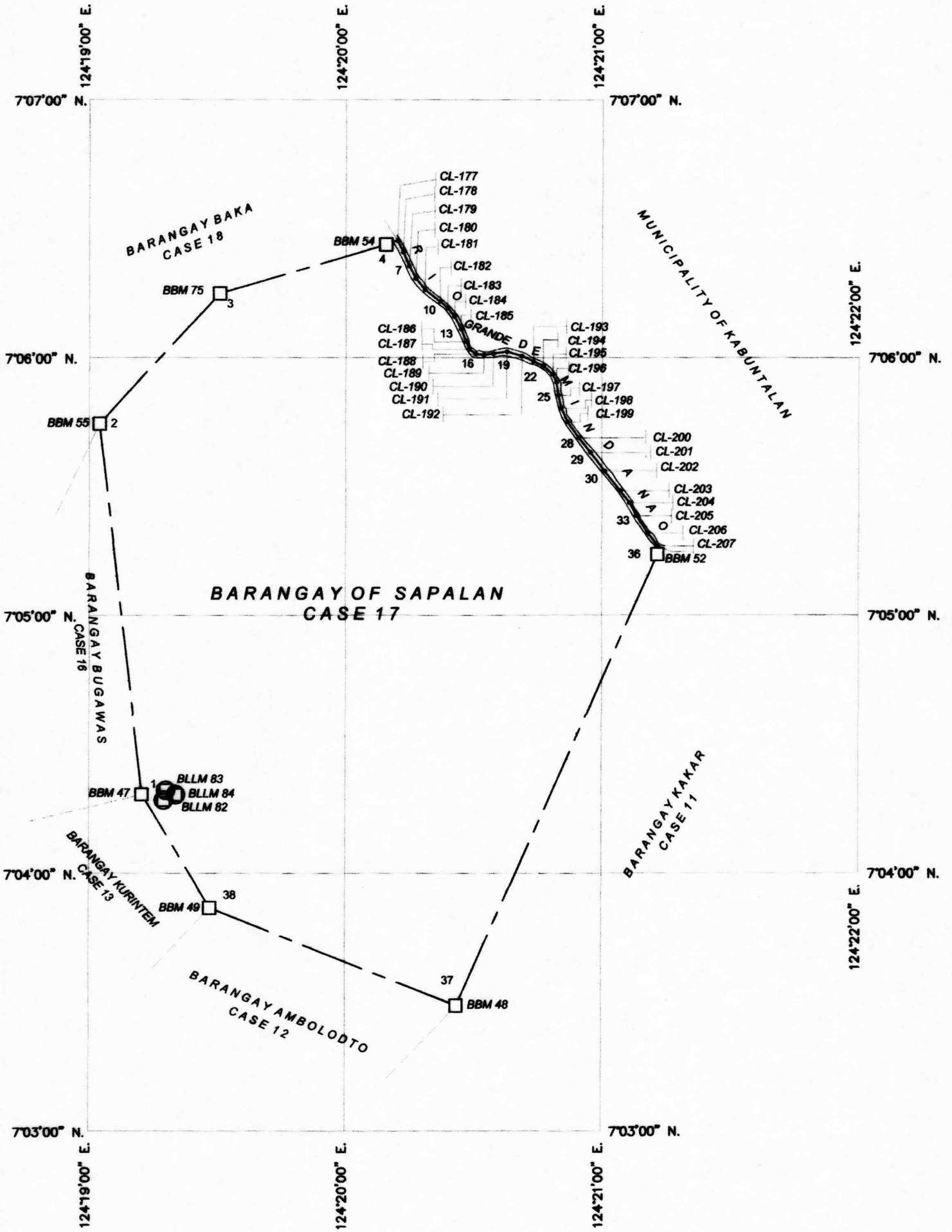
APPROVED:  
HABIB KHALIL Q. KEDTIG  
REGIONAL SECRETARY

Date Approved:



NOTE:  
POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE V  
GRID COORDINATES: N=000,000.00 m. E=500,000.00 m.  
GEOGRAPHIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E  
NUMBER OF BARANGAYS - 34 BARANGAYS

REFERENCE POINTS:  
"MSD-2" 1st. ORDER PIS 92 COORDS: 7°13'16.84888" N, 124°14'33.61529" E; ELLIP HT: 63.172 m.  
"CN-04" 2nd. ORDER PIS 92 COORDS: 7°16'48.71842" N, 124°27'21.89552" E; ELLIP HT: 29.751 m.  
"ILLM-1" MGD-ARMM-054 3rd. ORDER PIS 92 COORDS: 7°04'41.16889" N, 124°09'30.34771" E; ELLIP HT: 448.158 m.  
"ILLM-1" 3rd. ORDER PIS 92 COORDS: 7°01'27.51907" N, 124°18'31.36514" E; ELLIP HT: 18.890 m.



TECHNICAL DESCRIPTION			
LINES	BEARINGS	DISTANCES	DESCRIPTION
BOUNDARY			COR. No. = MON. No.
1-2	N.06-29W.	2,670.125 m.	1= BBM 47
2-3	N.42-48E.	,270.822 m.	2= BBM 55
3-4	N.73-45E.	,243.947 m.	3= BBM 75
4-5	N.71-45E.	86.333 m.	4= BBM 54
5-6	S.26-29E.	90.567 m.	5= CL-177
6-7	S.23-29E.	108.043 m.	6= CL-178
7-8	S.27-59E.	99.556 m.	7= CL-179
8-9	S.38-05E.	106.550 m.	8= CL-180
9-10	S.52-16E.	138.204 m.	9= CL-181
10-11	S.49-23E.	70.926 m.	10= CL-182
11-12	S.38-07E.	77.714 m.	11= CL-183
12-13	S.27-28E.	103.034 m.	12= CL-184
13-14	S.19-56E.	97.860 m.	13= CL-185
14-15	S.23-29E.	60.610 m.	14= CL-186
15-16	S.53-46E.	59.398 m.	15= CL-187
16-17	S.83-58E.	57.860 m.	16= CL-188
17-18	N.82-08E.	68.856 m.	17= CL-189
18-19	N.82-23E.	98.573 m.	18= CL-190
19-20	S.73-38E.	111.593 m.	19= CL-191
20-21	S.64-28E.	91.703 m.	20= CL-192
21-22	S.65-15E.	77.586 m.	21= CL-193
22-23	S.49-41E.	91.498 m.	22= CL-194
23-24	S.27-02E.	62.405 m.	23= CL-195
24-25	S.07-50E.	93.241 m.	24= CL-196
25-26	S.12-38E.	93.384 m.	25= CL-197
26-27	S.25-34E.	106.873 m.	26= CL-198
27-28	S.35-56E.	139.389 m.	27= CL-199
28-29	S.38-58E.	133.662 m.	28= CL-200
29-30	S.37-04E.	165.862 m.	29= CL-201
30-31	S.38-26E.	180.430 m.	30= CL-202
31-32	S.37-26E.	107.809 m.	31= CL-203
32-33	S.27-50E.	104.432 m.	32= CL-204
33-34	S.32-22E.	150.399 m.	33= CL-205
34-35	S.38-02E.	119.906 m.	34= CL-206
35-36	S.00-24W.	59.666 m.	35= CL-207
36-37	S.24-08W.	3,536.662 m.	36= BBM 52
37-38	N.68-22W.	,904.078 m.	37= BBM 48
38-1	N.30-59W.	949.211 m.	38= BBM 49

**Tie lines N.07-06E. 5,286.713 m.; from BLLM No.1,  
MCD-ARMM-064 to Corner "1":**

**NOTE:**

POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE V

GRID COORDINATES: N=000,000.00 m. E=500,000.00 m.

GEOGRAPHIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E

NUMBER OF BARANGAYS - 34 BARANGAYS

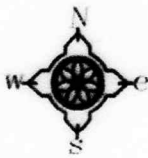
**REFERENCE POINTS:**

"MCD-2" 1st. ORDER PRS 92 COORDS: 7°13'15.84588" N, 124°14'33.61529" E ; ELLIP HT: 63.172 m.

"CTN-24" 2nd. ORDER PRS 92 COORDS: 7°16'46.71842" N, 124°27'21.86552" E ; ELLIP HT: 28.751 m.

"BLLM-1 MCD-ARMM-008" 3rd. ORDER PRS 92 COORDS: 7°00'41.16889" N, 124°08'30.34771" E ; ELLIP HT: 448.156 m.

"BLLM-1" 3rd. ORDER PRS 92 COORDS: 7°01'27.51907" N, 124°18'51.35614" E ; ELLIP HT: 16.500 m.



**BARANGAY BOUNDARY MAP  
OF  
BARANGAY SIFARAN (CASE 14)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARMM-064**

SITUATED IN THE

BARANGAY OF : SIFARAN  
 MUNICIPALITY OF : DATU ODIN SINSUAT  
 PROVINCE OF : MAGUINDANAO  
 ISLAND OF : MINDANAO  
 CONTAINING AN AREA OF 2,262,7936 HAS.

ZONE NO. V  
 PPCS-PTM/PRS 92  
 BEARING : GRID  
 SCALE 1:40,000



DATE SURVEYED : MAY 1 - JUNE 1, 2015

SURVEYED IN ACCORDANCE WITH THE PROVISION OF DENR ADMINISTRATIVE ORDER NO. 2007-29 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MUSLIM MINDANAO PURSUANT TO THE CADASTRAL SURVEY CONTRACT DATED JAN. 12, 2015

SURVEYED BY: GEOLANE LAND CONSULTANTS

GILBERT P. BALACOL  
 CHIEF OF PARTY/CONTRACTOR

Date Submitted:

Verified and Found Correct By:

ALLAN LAO DIANSUY AL-HADJ-MPA  
 CHIEF, SURVEYS DIVISION

Recommending Approval:

ATTY. BADRODIN B. PACASEM  
 OIC, LMB DIRECTOR

APPROVED:

HADJI KAHAL Q. KEDTAG  
 REGIONAL SECRETARY

Date Approved:

Verified By:   
 MOSAEM L. SARIP  
 Engineer

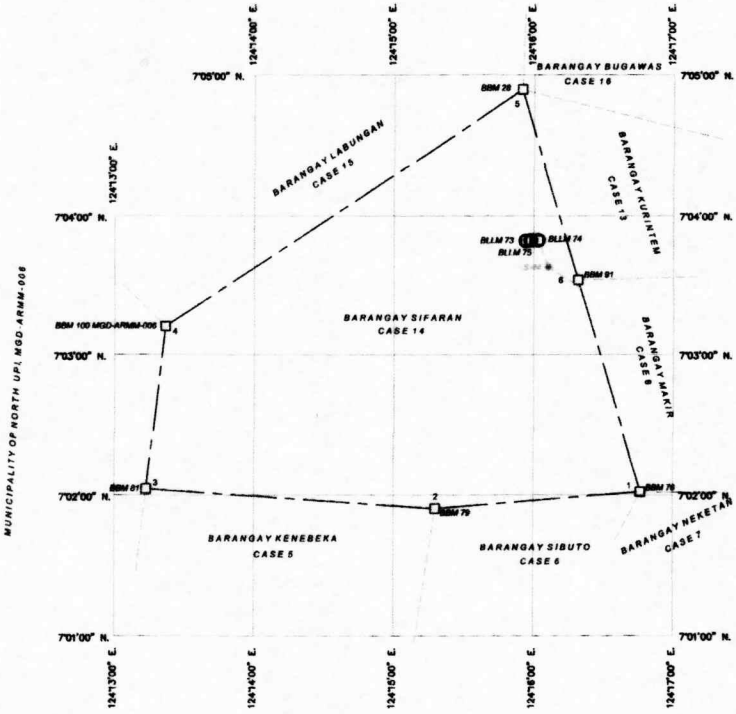
CHARLENE S. PASCUAL  
 Engineer

JULIAN S. PASCUAL JR.  
 Cartographer

Checked By:

TECHNICAL DESCRIPTION			
LINES	BEARINGS	DISTANCES	DESCRIPTION
1-2	S.88-32W.	2,712.789 m.	1- BM 78
2-3	N.08-04E.	3,223.882 m.	2- BM 79
3-4	N.08-48E.	2,153.374 m.	3- BM 81
4-5	N.38-34E.	3,841.108 m.	4- BM 78 BM 80-88-88
5-6	S.18-25E.	2,897.408 m.	5- BM 28
6-1	S.18-20E.	2,913.288 m.	6- BM 81

To Race N.74-51W. 3,883.132 m. from BLM No.1, MGD-ARM-084 to Corner "1".



**BARANGAY BOUNDARY MAP  
OF  
BARANGAY SIFARAN (CASE 14)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARM-064**



SITUATED IN THE  
MUNICIPALITY OF NORTH UPL. MGD-ARM-008

BOUNDARY OF MUNICIPALITY OF: SIBUNUI  
PROVINCE OF: DAVAO DEL SUR  
ISLAND OF: MINDANAO  
CONTAINING AN AREA OF: 2,352,7536 HAs.

ZONE NO. V  
PROJ. UTM/UPS 92  
BEARING: GRS  
SCALE: 1:40,000



DATE SURVEYED: MAY 1 - JUNE 1, 2015

SURVEYED IN ACCORDANCE WITH THE PROVISION OF DENR ADMINISTRATIVE ORDER NO. 2007-28 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MINDANAO PURSUANT TO THE CONTRACTUAL SURVEY CONTRACT DATED JAN. 12, 2015

SURVEYED BY: GEDLANE LAND CONSULTANTS

*[Signature]*  
GILBERT P. MALACO  
CHIEF OF PARTY/CONTRACTOR

Date Submitted:

Verified and Found Correct By:

*[Signature]*  
ALLAN LAD DAMSUY AL - MADJ-MPA  
CHIEF, SURVEYS DIVISION

Recommending Approval:

*[Signature]*  
ATTY. EDUARDO B. PACASEM  
CIC, IAS DIRECTOR

APPROVED:

*[Signature]*  
MADA KAMAL G. KEDTAG  
REGIONAL SECRETARY

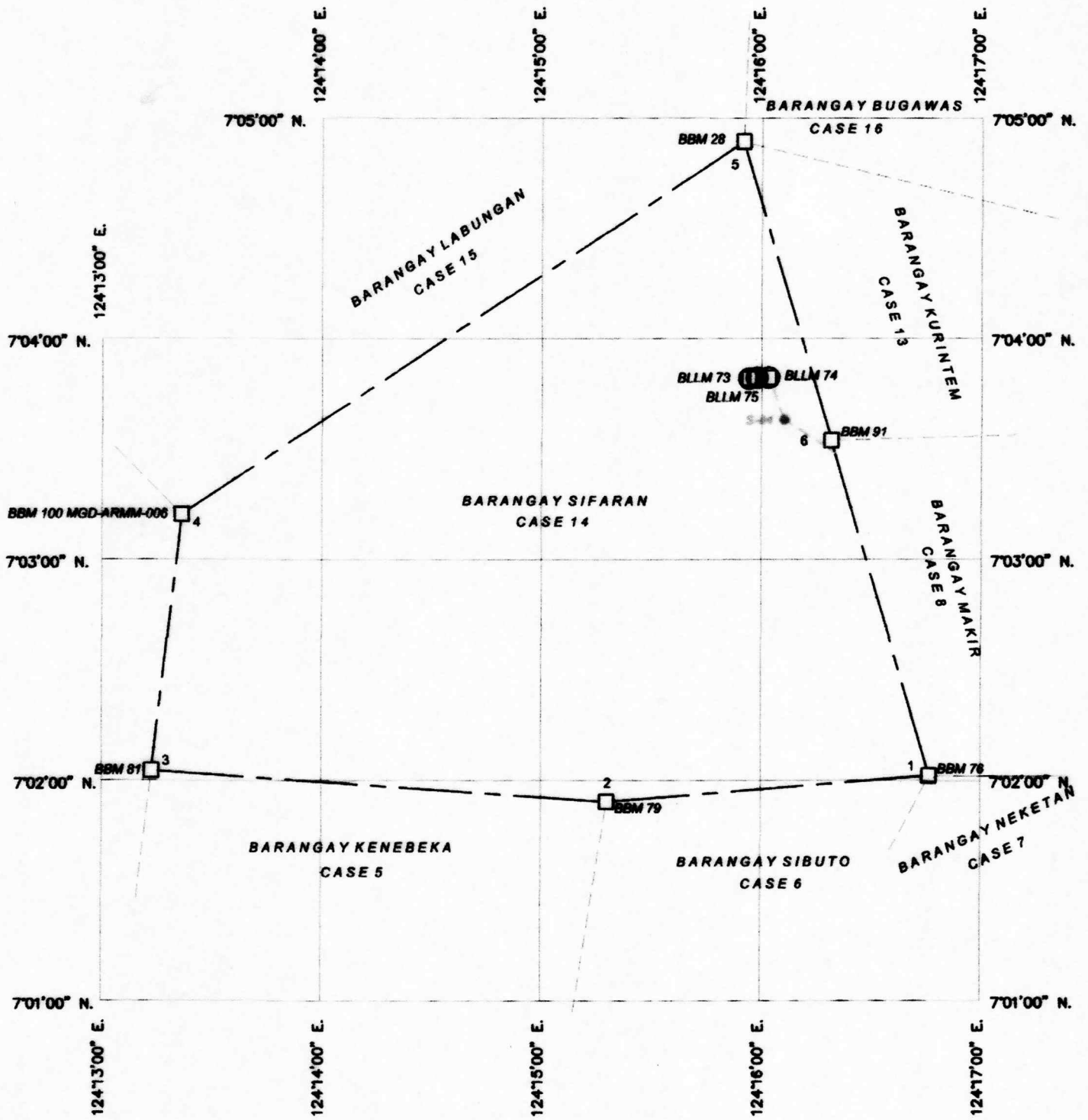
Date Approved:

NOTE:  
POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE V  
GRID COORDINATES: N=000,000.00 m. E=500,000.00 m.  
GEODENSIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E  
NUMBER OF BOUNDARIES - 34 BOUNDARIES

REFERENCE POINTS:  
"MGD-2" 1st. ORDER PRS 82 COORDS: 7°13'18.64888" N, 124°14'33.61828" E ; ELLIP. HT: 63.172 m.  
"CTN-24" 2nd. ORDER PRS 82 COORDS: 7°18'48.71842" N, 124°27'21.88652" E ; ELLIP. HT: 28.751 m.  
"BLM-1" MGD-ARM-084 3rd. ORDER PRS 82 COORDS: 7°07'41.16888" N, 124°09'30.34771" E ; ELLIP. HT: 448.158 m.  
"BLM-1" 3rd. ORDER PRS 82 COORDS: 7°01'27.51887" N, 124°18'51.35514" E ; ELLIP. HT: 18.590 m.



MUNICIPALITY OF NORTH UPI, MGD-ARMM-006



TECHNICAL DESCRIPTION			
LINES	BEARINGS	DISTANCES	DESCRIPTION
BOUNDARY			COR.No. = MON.No.
1-2	S.85-32W.	2,712.769 m.	1= BBM 78
2-3	N.86-04W.	3,823.852 m.	2= BBM 79
3-4	N.06-49E.	2,153.374 m.	3= BBM 81
4-5	N.56-34E.	5,641.108 m.	4= <del>BM 100 MGD-ARM-006</del>
5-6	S.16-25E.	2,607.406 m.	5= BBM 28
6-1	S.16-20E.	2,913.889 m.	6= BBM 91
Tie lines N.74-51W. 3,985.132 m.; from BLLM No.1, MGD-ARM-064 to Corner "1":			

**NOTE:**

POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE V

GRID COORDINATES: N=000,000.00 m. E=500,000.00 m.

GEOGRAPHIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E

NUMBER OF BARANGAYS - 34 BARANGAYS

**REFERENCE POINTS:**

"MGD-2" 1st. ORDER PRS 92 COORDS: 7°13'15.84598" N, 124°14'33.61529" E ; ELLIP HT: 83.172 m.

"CTN-24" 2nd. ORDER PRS 92 COORDS: 7°16'46.71842" N, 124°27'21.86552" E ; ELLIP HT: 29.751 m.

"BLLM-1 MGD-ARM-006" 3rd. ORDER PRS 92 COORDS: 7°00'41.16889" N, 124°08'30.34771" E ; ELLIP HT: 448.158 m.

"BLLM-1" 3rd. ORDER PRS 92 COORDS: 7°01'27.51807" N, 124°18'51.35614" E ; ELLIP HT: 16.500 m.



**BARANGAY BOUNDARY MAP  
OF  
BARANGAY LABUNGAN (CASE 15)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARMM-064**

SITUATED IN THE

BARANGAY OF : LABUNGAN  
MUNICIPALITY OF : DATU ODIN SINSUAT  
PROVINCE OF : MAGUINDANAO  
ISLAND OF : MINDANAO  
CONTAINING AN AREA OF 5,524,1807 HAS.

ZONE NO. V  
PPCS-PTM/PRS 92  
BEARING : GRID  
SCALE 1:50,000



DATE SURVEYED : MAY 1 - JUNE 1, 2015

SURVEYED IN ACCORDANCE WITH THE PROVISION OF DENR ADMINISTRATIVE ORDER NO. 2007-29 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MUSLIM MINDANAO PURSUANT TO THE CADASTRAL SURVEY CONTRACT DATED JAN. 12, 2015

SURVEYED BY: GEOLANE LAND CONSULTANTS

GILBERT P. PALACOL  
CHIEF OF PARTY/CONTRACTOR

Date Submitted:

Verified and Found Correct By:

ALLAN LAO DIANSUY AL-HADJ-MPA  
CHIEF, SURVEYS DIVISION

Recommending Approval:

ATTY. BADRODIN B. PACASEM  
OIC, LMB DIRECTOR

APPROVED:

HADJI KAHAL Q. KEDTAG  
REGIONAL SECRETARY

Date Approved:

*Mosalem L. Sarip*  
MOSALEM L. SARIP  
Engineer

Verified By:

*Charlene S. Pascual*  
CHARLENE S. PASCUAL  
Engineer

*Julian S. Pascual Jr.*  
JULIAN S. PASCUAL JR.  
Cartographer

Checked By:

TECHNICAL DESCRIPTION			
LINES	BEARINGS	DISTANCES	DESCRIPTION
CASE 15			
1-2	S.55-34W.	5,041.108 m.	1= BSM 28
2-3	N.64-38E.	1,262.204 m.	2= BSM 29-30-31-32
3-4	N.05-17E.	2,258.185 m.	3= BSM 33-34-35-36
4-5	N.17-57W.	113.825 m.	4= BSM 1-2-3-4-5
5-6	N.32-54W.	3,625.883 m.	5= BSM 7-8-9-10-11-12
6-7	N.81-48E.	4,100.853 m.	6= BSM 34
7-8	N.77-48E.	1,311.641 m.	7= OLD BSM 1
8-9	S.77-58E.	1,405.838 m.	8= BSM 35
9-10	S.83-48E.	1,034.048 m.	9= BSM 36
10-11	N.57-10E.	747.130 m.	10= BSM 58
11-12	S.01-25E.	1,858.841 m.	11= BSM 61
12-13	S.36-58E.	1,302.199 m.	12= BSM 60
13-14	S.52-48E.	1,970.395 m.	13= BSM 62
14-15	S.77-21W.	2,774.533 m.	14= BSM 30
15-1	S.62-14W.	2,058.731 m.	15= BSM 29

The Area N.40-27W. 6,328.783 m.; from BLM No.1, MGD-ARMM-084 to Corner "1".



**BARANGAY BOUNDARY MAP  
OF  
BARANGAY LABUNGAN (CASE 15)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARMM-084**

SITUATED IN THE  
MUNICIPALITY OF NORTH UPL. MGD-ARMM-086  
MAGUINDANAO  
MAG.

ZONE NO. V  
PCGS-1983/1984  
SCALE 1:50,000

DATE SURVEYED: MAY 1 - JUNE 1, 2015

SURVEYED IN ACCORDANCE WITH THE PROVISIONS OF DEPT. ADMINISTRATIVE ORDER NO. 2007-29 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MUSLIM MINDANAO PURSUANT TO THE CADASTRAL SURVEY CONTRACT DATED JAN. 12, 2015

SURVEYED BY: GEDLANE LAND CONSULTANTS

*[Signature]*  
GILBERT B. MALACO  
CHIEF OF PARTY/CONTRACTOR

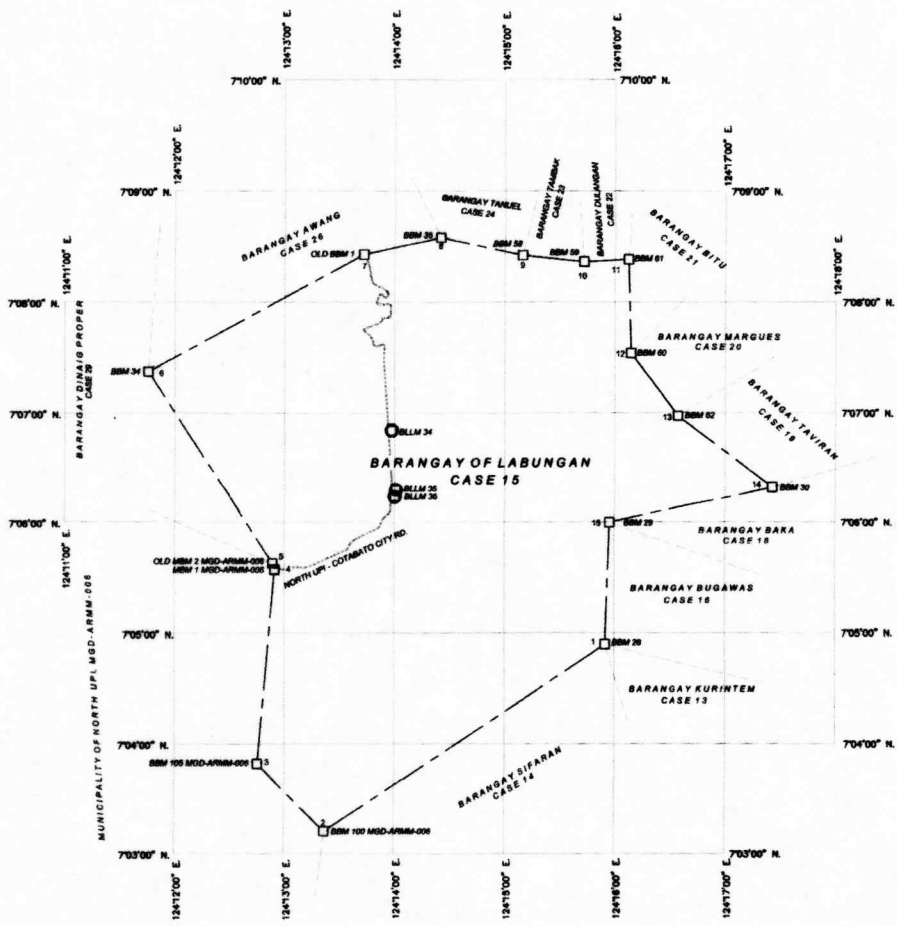
Date Submitted:

Verified and Found Correct By:  
ALLAN LAD DANISUY AL-1001-MPA  
CHIEF, SURVEYS DIVISION

Recommending Approval:  
ATTY. EDWARD B. PACASEM  
ASST. DIR. FOR SURVEYS

APPROVED:  
HON. RAFAEL G. REYES  
REGIONAL SECRETARY

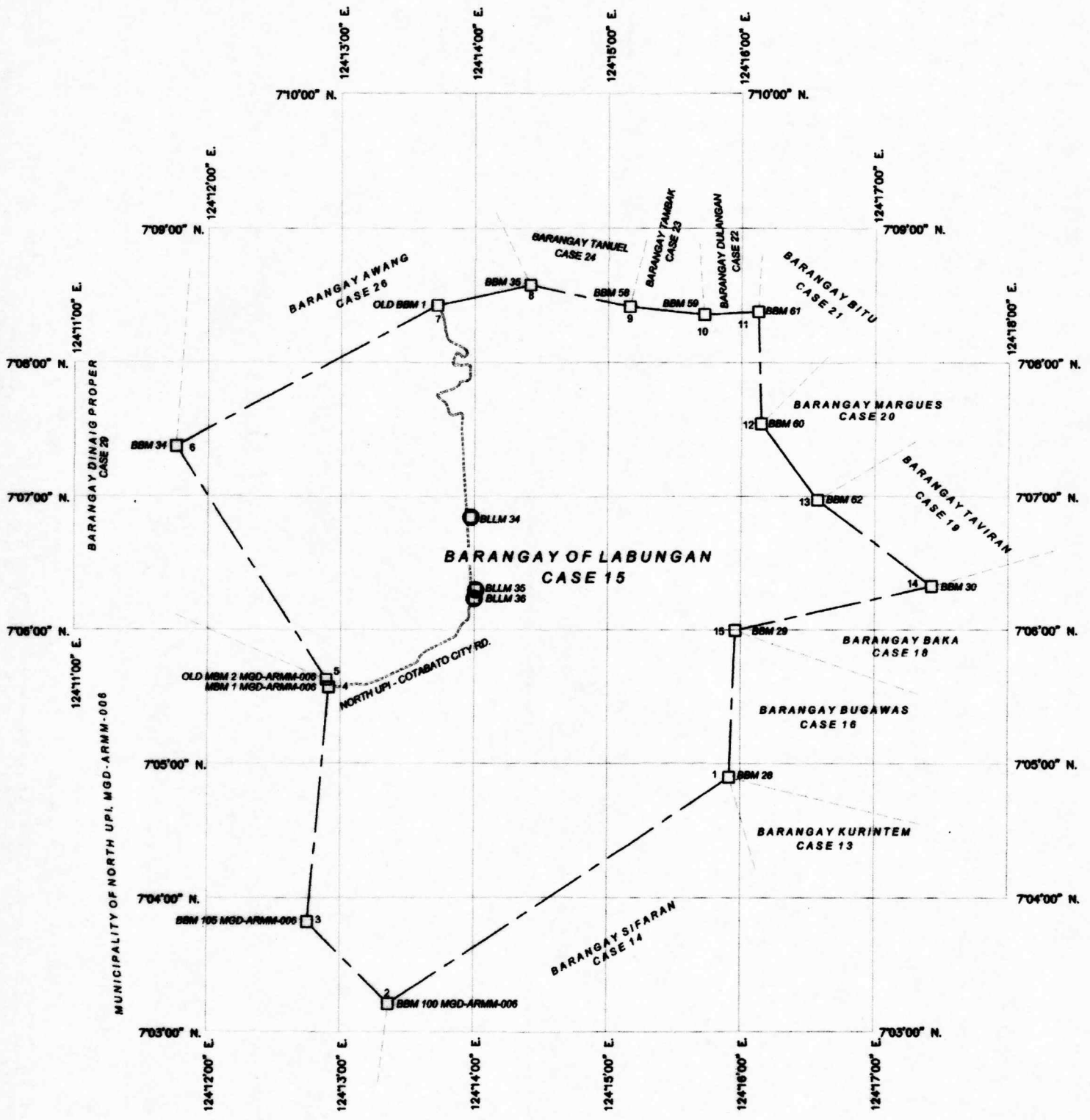
Date Approved:



NOTE:  
POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE V  
GRID COORDINATES: N=000,000.00 m. E=000,000.00 m.  
GEODENSIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E

NUMBER OF BOUNDARIES - 36 BOUNDARIES

REFERENCE POINTS:  
"MSD-2" 1st. ORDER PMS 92 COORDS: 7°13'18.84000" N, 124°14'33.81500" E; ELLIP HT: 63.172 m.  
"CTN-24" 2nd. ORDER PMS 92 COORDS: 7°16'46.71042" N, 124°27'21.89882" E; ELLIP HT: 29.761 m.  
"BLM-1" MSD-ARMM-086 3rd. ORDER PMS 92 COORDS: 7°05'41.16889" N, 124°08'30.34771" E; ELLIP HT: 446.158 m.  
"BLM-1" 3rd. ORDER PMS 92 COORDS: 7°01'27.51807" N, 124°18'31.35514" E; ELLIP HT: 16.280 m.



MUNICIPALITY OF NORTH UPI, MGD-ARMM-006  
 BARANGAY DINAIG PROPER CASE 28

**BARANGAY OF LABUNGAN**  
**CASE 15**

BARANGAY AWANG  
 CASE 26

BARANGAY TANJEL  
 CASE 24

BARANGAY TAMBAY  
 CASE 23

BARANGAY DULANGAN  
 CASE 22

BARANGAY BITU  
 CASE 21

BARANGAY MARGUES  
 CASE 20

BARANGAY TAVIRAN  
 CASE 19

BARANGAY BAKA  
 CASE 18

BARANGAY BUGAWAS  
 CASE 16

BARANGAY KURINTEM  
 CASE 13

BARANGAY SIFARAN  
 CASE 14

NORTH UPI - COTABATO CITY RD.

OLD BBM 2 MGD-ARMM-006  
 BBM 1 MGD-ARMM-006

BBM 105 MGD-ARMM-006

BBM 100 MGD-ARMM-006

BLLM 34

BLLM 35

BLLM 36

OLD BBM 1

BBM 35

BBM 58

BBM 59

BBM 60

BBM 61

BBM 34

BBM 62

BBM 63

BBM 30

BBM 29

BBM 28

708'00" N.

708'00" N.

708'00" N.

708'00" N.

707'00" N.

707'00" N.

706'00" N.

706'00" N.

705'00" N.

705'00" N.

704'00" N.

704'00" N.

703'00" N.

703'00" N.

710'00" E.

710'00" E.

124'13'00" E.

124'14'00" E.

124'15'00" E.

124'16'00" E.

124'12'00" E.

124'17'00" E.

124'11'00" E.

124'18'00" E.

124'11'00" E.

124'12'00" E.

124'13'00" E.

124'14'00" E.

124'15'00" E.

124'16'00" E.

124'17'00" E.



TECHNICAL DESCRIPTION			
LINES	BEARINGS	DISTANCES	DESCRIPTION
CASE 15			COR. No. = MON. No.
1-2	S.56-34W.	5,641.108 m.	1= BBM 28
2-3	N.44-36W.	1,592.204 m.	2= BM 10 MGD-ARM-006
3-4	N.05-17E.	3,236.185 m.	3= BM 105 MGD-ARM-006
4-5	N.17-57W.	113.825 m.	4= BM 1 MGD-ARM-006
5-6	N.32-54W.	3,835.883 m.	5= OLD BM 2 MGD-ARM-006
6-7	N.61-45E.	4,100.653 m.	6= BBM 34
7-8	N.77-48E.	1,311.641 m.	7= OLD BBM 1
8-9	S.77-56E.	1,405.938 m.	8= BBM 35
9-10	S.83-48E.	1,034.048 m.	9= BBM 58
10-11	N.87-10E.	747.130 m.	10= BBM 59
11-12	S.01-25E.	1,558.841 m.	11= BBM 61
12-13	S.36-58E.	1,302.159 m.	12= BBM 60
13-14	S.52-45E.	1,970.355 m.	13= BBM 62
14-15	S.77-21W.	2,774.533 m.	14= BBM 30
15-1	S.02-14W.	2,028.731 m.	15= BBM 29

Tie lines N.40-27W. 8,328.783 m.; from BLLM No.1,  
MGD-ARM-064 to Corner "1":

**NOTE:**

POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE V

GRID COORDINATES: N=000,000.00 m. E=500,000.00 m.

GEOGRAPHIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E

NUMBER OF BEARINGS = 34 BEARINGS

**REFERENCE POINTS:**

"MGD-2" 1st. ORDER PPS 92 COORDS: 7°13'15.4456" N, 124°14'33.8152" E ; ELLIP HT: 63.172 m.

"GTN-24" 2nd. ORDER PPS 92 COORDS: 7°18'46.71842" N, 124°27'21.89882" E ; ELLIP HT: 28.751 m.

"BLLM-1 MGD-ARM-006" 3rd. ORDER PPS 92 COORDS: 7°00'41.18885" N, 124°08'30.34771" E ; ELLIP HT: 448.158 m.

"BLLM-1" 3rd. ORDER PPS 92 COORDS: 7°01'37.51907" N, 124°18'51.35514" E ; ELLIP HT: 16.500 m.

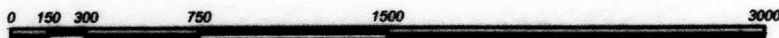


**BARANGAY BOUNDARY MAP  
OF  
BARANGAY BITU (CASE 21)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARMM-064**

SITUATED IN THE

BARANGAY OF : BITU  
MUNICIPALITY OF : DATU ODIN SINSUAT  
PROVINCE OF : MAGUINDANAO  
ISLAND OF : MINDANAO  
CONTAINING AN AREA OF 602,0919 HAS.

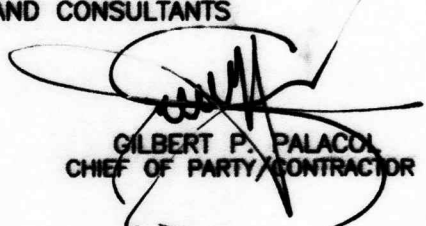
ZONE NO. V  
PPCS-PTM/PRS 92  
BEARING : GRID  
SCALE 1: 30,000



DATE SURVEYED : MAY 1 - JUNE 1, 2015

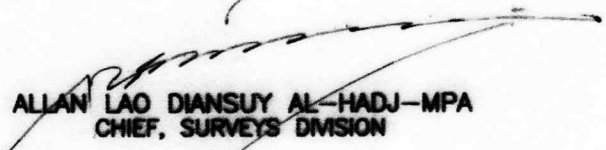
SURVEYED IN ACCORDANCE WITH THE PROVISION OF DENR ADMINISTRATIVE ORDER NO. 2007-29 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MUSLIM MINDANAO PURSUANT TO THE CADASTRAL SURVEY CONTRACT DATED JAN. 12, 2015

SURVEYED BY: GEOLANE LAND CONSULTANTS

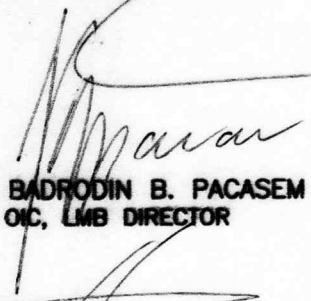
  
GILBERT P. PALACOL  
CHIEF OF PARTY/CONTRACTOR

Date Submitted:

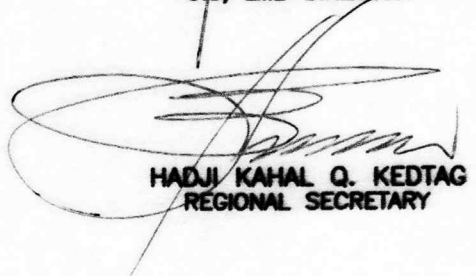
Verified and Found Correct By:

  
ALLAN LAO DIANSUY AL-HADJ-MPA  
CHIEF, SURVEYS DIVISION

Recommending Approval:

  
ATTY. BADRODIN B. PACASEM  
OIC, LMB DIRECTOR

APPROVED:

  
HADJI KAHAL Q. KEDTAG  
REGIONAL SECRETARY

Date Approved:

Verified By:   
MOSALEM I. SARIP  
Engineer I

Verified By:   
CHARLENE S. PASCUAL  
Engineer I

Checked By:   
JULIAN C. PASCUAL JR.  
Cartographer

Checked By:

TECHNICAL DESCRIPTION			
LINES	BEARINGS	DISTANCES	DESCRIPTION
CASE 21			
1-2	N.01-22W	250.841 m.	1= BLM 00
2-3	N.03-01E	243.380 m.	2= BLM 01
3-4	N.26-05E	323.898 m.	3= BLM 02
4-5	N.25-24E	73.788 m.	4= BLM 03
5-6	S.40-18E	141.028 m.	5= CL-90
6-7	S.62-24E	116.824 m.	6= CL-91
7-8	S.76-33E	159.001 m.	7= CL-92
8-9	S.67-42E	170.071 m.	8= CL-93
9-10	N.05-48E	153.981 m.	9= CL-94
10-11	N.00-48E	180.089 m.	10= CL-95
11-12	N.09-28E	104.183 m.	11= CL-96
12-13	N.04-14E	87.461 m.	12= CL-97
13-14	N.03-20E	78.442 m.	13= CL-98
14-15	N.33-30E	48.493 m.	14= CL-99
15-16	N.29-33E	52.574 m.	15= CL-100
16-17	N.08-10E	67.354 m.	16= CL-101
17-18	N.72-15E	63.220 m.	17= CL-102
18-19	S.09-47E	81.873 m.	18= CL-103
19-20	S.73-11E	72.539 m.	19= CL-104
20-21	S.58-18E	82.797 m.	20= CL-105
21-22	S.47-02E	86.774 m.	21= CL-106
22-23	S.29-13E	111.226 m.	22= CL-107
23-24	S.20-43E	128.501 m.	23= CL-108
24-25	S.17-08E	154.102 m.	24= CL-109
25-26	S.26-17E	98.180 m.	25= CL-110
26-27	S.34-23E	104.202 m.	26= CL-111
27-28	S.42-58E	97.008 m.	27= CL-112
28-29	S.37-38E	72.873 m.	28= CL-113
29-30	S.63-27E	70.287 m.	29= CL-114
30-31	S.67-33E	119.912 m.	30= CL-115
31-32	S.21-51W	85.433 m.	31= CL-116
32-33	S.27-27W	1546.105 m.	32= BLM 02
33-1	S.44-31W	2,819.772 m.	33= BLM 48

The line N.23-54W, 12,258.816 m., from BLM No.1, MGD-ARMM-084 to Corner "1".



**BARANGAY BOUNDARY MAP  
OF  
BARANGAY BITU (CASE 21)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARMM-084**

SITUATED IN THE  
 BARANGAY OF : BIN  
 MUNICIPALITY OF : BIN  
 PROVINCE OF : MAGUINDANAO  
 ISLAND OF : SULU  
 CONTAINING AN AREA OF : 332,019 HSA.  
 ZONE : U.S.V.  
 PROJ. : UTM  
 SCALE : 1:30,000



DATE SURVEYED : MAY 1 - JUNE 1, 2015

SURVEYED IN ACCORDANCE WITH THE PROVISIONS OF DENR ADMINISTRATIVE ORDER NO. 2007-29 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MUSLIM MINDANAO PURSUANT TO THE CONTRACTUAL SURVEY CONTRACT DATED JAN. 19, 2015

SURVEYED BY: GEOLANE LAND CONSULTANTS

*[Signature]*  
 CHIEF OF PARTY/INTERVIEWER

Date Submitted:

Verified and Found Correct By:

*[Signature]*  
 ALVIN LEO DIVERSITY AL-INDU-MPA  
 CHIEF, SURVEYS DIVISION

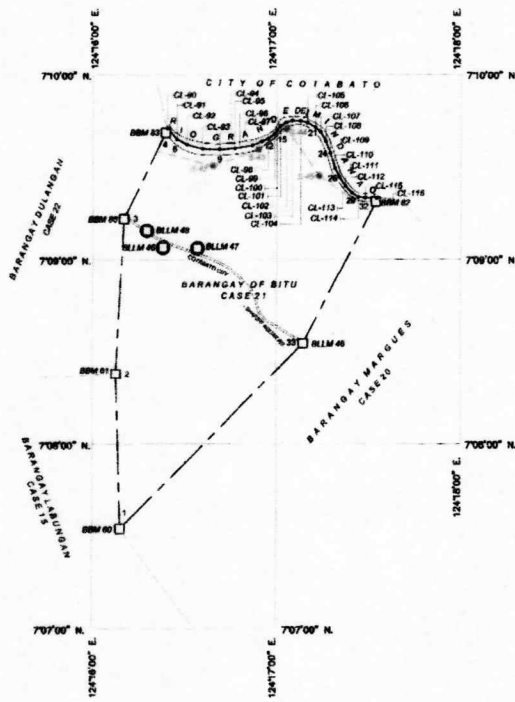
Recommending Approval:

*[Signature]*  
 ATTY. SANDRIN B. PACASEM  
 CL. LAB DIRECTOR

APPROVED:

*[Signature]*  
 HANS NUNAL O. KEYDRO  
 REGIONAL SECRETARY

Date Approved:



NOTE:

POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE Y  
 GRID COORDINATES: N=000,000.00 m, E=000,000.00 m  
 GEOGRAPHIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E  
 NUMBER OF BARANGAYS - 34 BARANGAYS

REFERENCE POINTS:

"MGD-2" 1st. ORDER PHS 92 COORDS: 7°13'15.8488" N, 124°14'33.6182" E ; ELLIP HT: 63.172 m.  
 "CTH-24" 2nd. ORDER PHS 92 COORDS: 7°16'49.7194" N, 124°27'21.8852" E ; ELLIP HT: 29.781 m.  
 "BLM-1" MGD-ARMM-036" 3rd. ORDER PHS 92 COORDS: 7°07'41.1688" N, 124°08'30.3477" E ; ELLIP HT: 446.158 m.  
 "BLM-1" 3rd. ORDER PHS 92 COORDS: 7°07'27.5160" N, 124°18'51.3591" E ; ELLIP HT: 16.880 m.





## TECHNICAL DESCRIPTION

LINES	BEARINGS	DISTANCES	DESCRIPTION
<b>CASE 21</b>			<b>COR. No. = MON. No.</b>
1-2	N.01-25W.	1,558.841 m.	1= BBM 60
2-3	N.03-01E.	1,543.380 m.	2= BBM 61
3-4	N.28-05E.	923.596 m.	3= BBM 86
4-5	N.25-24E.	73.766 m.	4= BBM 83
5-6	S.40-19E.	141.026 m.	5= CL-90
6-7	S.62-24E.	115.824 m.	6= CL-91
7-8	S.75-33E.	159.601 m.	7= CL-92
8-9	S.87-42E.	170.071 m.	8= CL-93
9-10	N.85-46E.	153.981 m.	9= CL-94
10-11	N.80-46E.	180.099 m.	10= CL-95
11-12	N.89-29E.	104.162 m.	11= CL-96
12-13	N.64-14E.	67.401 m.	12= CL-97
13-14	N.53-25E.	79.442 m.	13= CL-98
14-15	N.33-30E.	48.402 m.	14= CL-99
15-16	N.39-35E.	52.574 m.	15= CL-100
16-17	N.58-10E.	67.354 m.	16= CL-101
17-18	N.72-15E.	63.220 m.	17= CL-102
18-19	S.88-47E.	81.873 m.	18= CL-103
19-20	S.73-11E.	72.839 m.	19= CL-104
20-21	S.59-18E.	92.797 m.	20= CL-105
21-22	S.47-02E.	69.774 m.	21= CL-106
22-23	S.29-13E.	111.226 m.	22= CL-107
23-24	S.20-43E.	120.501 m.	23= CL-108
24-25	S.17-08E.	154.102 m.	24= CL-109
25-26	S.26-17E.	99.190 m.	25= CL-110
26-27	S.34-23E.	104.202 m.	26= CL-111
27-28	S.42-56E.	97.999 m.	27= CL-112
28-29	S.57-38E.	72.873 m.	28= CL-113
29-30	S.83-27E.	70.287 m.	29= CL-114
30-31	S.87-35E.	119.912 m.	30= CL-115
31-32	S.21-51W.	65.433 m.	31= CL-116
32-33	S.27-27W.	1,549.105 m.	32= BBM 82
33-1	S.44-31W.	2,619.772 m.	33= BLLM 46

Tie lines N.23-54W. 12,258.816 m.; from BLLM No.1,  
MGD-ARMM-064 to Corner "1":

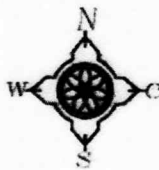
**NOTE:**

POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE V  
 GRID COORDINATES: N=000,000.00 m. E=500,000.00 m.  
 GEOGRAPHIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E  
 NUMBER OF BARANGAYS - 34 BARANGAYS

**REFERENCE POINTS:**

"MGD-2" 1st. ORDER PRS 92 COORDS: 7°13'15.84896" N, 124°14'33.81528" E ; ELLIP HT: 63.172 m.  
 "CTN-24" 2nd. ORDER PRS 92 COORDS: 7°16'48.71842" N, 124°27'21.89552" E ; ELLIP HT: 28.751 m.  
 "BLLM-1 MGD-ARMM-006" 3rd. ORDER PRS 92 COORDS: 7°00'41.16888" N, 124°08'30.34771" E ; ELLIP HT: 448.158 m.  
 "BLLM-1" 3rd. ORDER PRS 92 COORDS: 7°01'27.51907" N, 124°16'51.35514" E ; ELLIP HT: 16.500 m.





**BARANGAY BOUNDARY MAP  
OF  
BARANGAY KURINTEM (CASE 13)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARMM-064**

SITUATED IN THE

BARANGAY OF : KURINTEM  
 MUNICIPALITY OF : DATU ODIN SINSUAT  
 PROVINCE OF : MAGUINDANAO  
 ISLAND OF : MINDANAO  
 CONTAINING AN AREA OF 1,130,1753 HAS.

ZONE NO. V  
 PPCS-PTM/PRS 92  
 BEARING : GRID  
 SCALE 1: 40,000



DATE SURVEYED : MAY 1 - JUNE 1, 2015

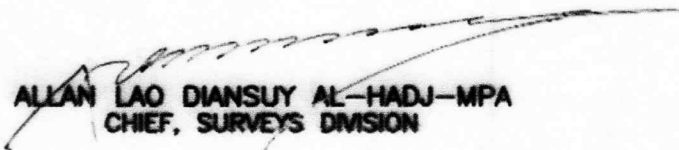
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SURVEYED BY: GEOLANE LAND CONSULTANTS

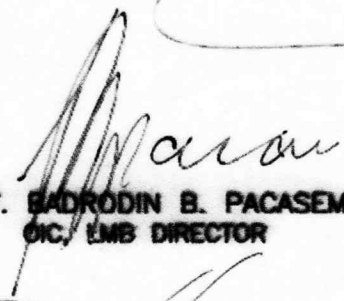
  
 GILBERT P. PALACOL  
 CHIEF OF PARTY/CONTRACTOR

Date Submitted:


Verified and Found Correct By:

  
 ALLAN LAO DIANSUY AL-HADJ-MPA  
 CHIEF, SURVEYS DIVISION

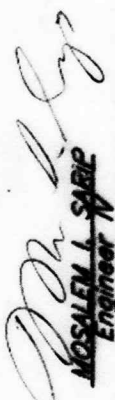
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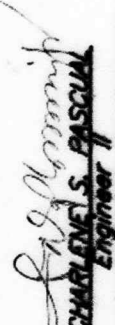
  
 ATTY. BADRODIN B. PACASEM  
 OIC, LMB DIRECTOR

APPROVED:

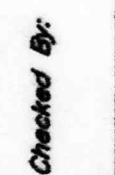
  
 HADJI KAHAL Q. KEDTAG  
 REGIONAL SECRETARY

Date Approved:

Verified By:   
ROSALEEN A. SABIE  
Engineer IV

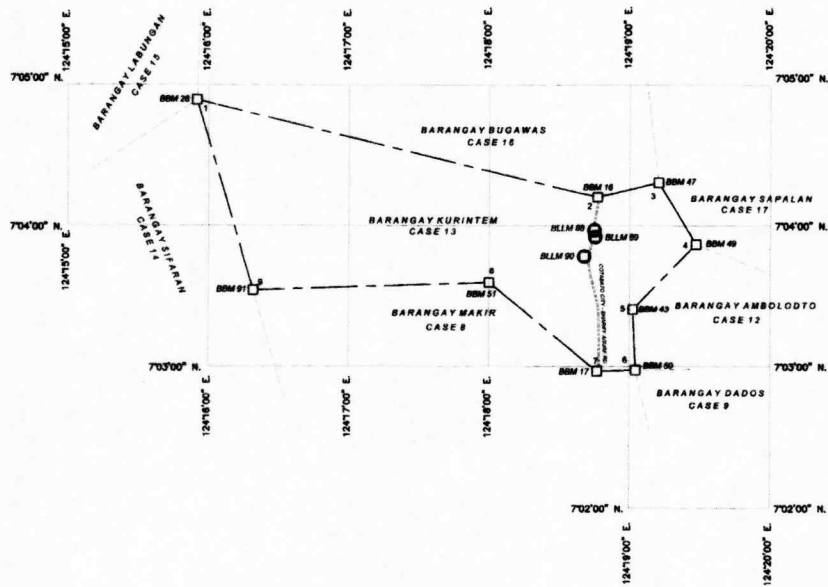
Checked By:   
CHARLENE S. PASCUAL  
Engineer II

Checked By:   
JULIAN S. PASCUAL JR.  
Cartographer

Checked By: 

TECHNICAL DESCRIPTION			
LINES	BEARINGS	DISTANCES	DESCRIPTION
<b>BOUNDARY</b>			
1-2	S.78-15E.	3,408.081 m.	1- BSM 28
2-3	N.78-34E.	827.828 m.	2- BSM 18
3-4	S.30-39E.	948.211 m.	3- BSM 47
4-5	S.43-51W.	1,181.124 m.	4- BSM 49
5-6	S.02-30E.	787.089 m.	5- BSM 43
6-7	S.88-23W.	508.010 m.	6- BSM 50
7-8	N.50-38W.	1,827.317 m.	7- BSM 17
8-9	S.88-15W.	3,099.394 m.	8- BSM 51
9-1	N.18-25W.	2,997.409 m.	9- BSM 91

Tie line N.40-27W. 8,328.783 m.; from BLM No.1, MGD-ARMM-084 to Corner "1".



**BARANGAY BOUNDARY MAP  
OF  
BARANGAY KURINTEM (CASE 13)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARMM-084**

SITUATED IN THE  
 BARANGAY OF : KURINTEM  
 MUNICIPALITY OF : DATU ODIN SINSUAT  
 PROVINCE OF : MAGUINDANAO  
 ISLAND OF : SULU  
 CONTAINING AN AREA OF : 1,130,1753 HGA.  
 ZONE : HD V  
 PPCS-PTM/PDS 92  
 BEARING : GSD  
 SCALE : 1:40,000

DATE SURVEYED : MAY 1 - JUNE 1, 2015

SURVEYED IN ACCORDANCE WITH THE PROVISION OF DENR ADMINISTRATIVE ORDER NO. 2007-28 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MUSLIM MINDANAO PURSUANT TO THE CADASTRAL SURVEY CONTRACT DATED JAN. 12, 2015

SURVEYED BY: GEOLAND CONSULTANTS

Date Submitted:

Verified and Found Correct By:

Recommending Approval:

APPROVED:

Date Approved:

*[Signature]*  
**GILBERT P. PALACIOS**  
 CHIEF OF PARTY/ADMINISTRATOR

*[Signature]*  
**ALLEN LAD DAVINAY AL-INDU-UPA**  
 CHIEF, SURVEYS DIVISION

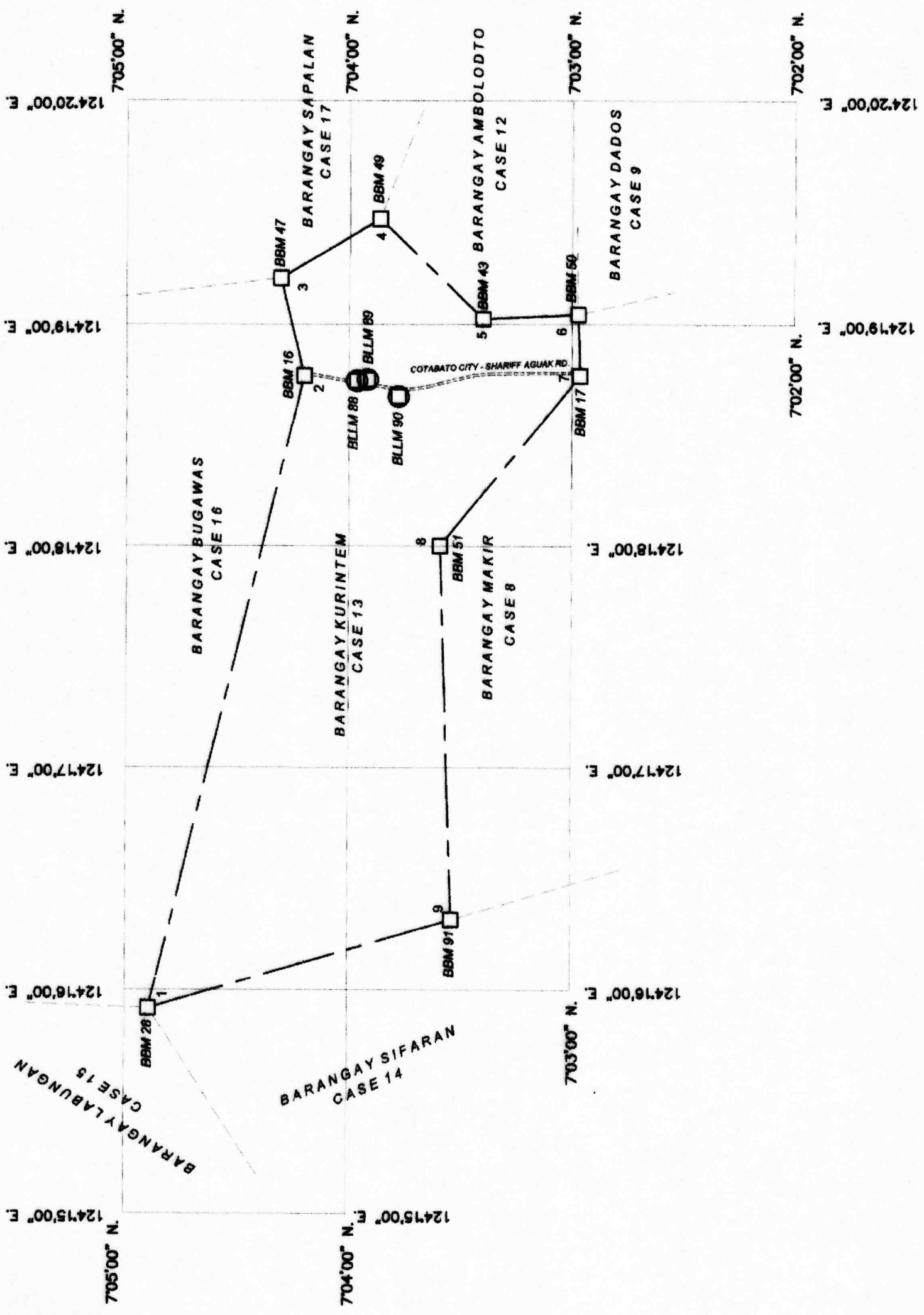
*[Signature]*  
**ATTY. MARCON S. PANGSEN**  
 SEC. / SRS DIRECTOR

*[Signature]*  
**HAROLD L. BERNARD**  
 REGIONAL SECRETARY

NOTE:  
 POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE Y  
 GRID COORDINATES: N=000,000.00 m. E=000,000.00 m.  
 GEOGRAPHIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E  
 NUMBER OF BARANGAYS - 34 BARANGAYS

REFERENCE POINTS:

"M00-2" 1st. ORDER PPS 92 COORDS: 7°13'18.94888" N, 124°14'33.51525" E ; ELLIP HT: 63.172 m.  
 "CN-24" 2nd. ORDER PPS 92 COORDS: 7°16'48.71843" N, 124°27'21.88885" E ; ELLIP HT: 28.791 m.  
 "BLM-1 MGD-ARMM-008" 3rd. ORDER PPS 92 COORDS: 7°07'41.18888" N, 124°08'30.34771" E ; ELLIP HT: 448.158 m.  
 "BLM-1" 3rd. ORDER PPS 92 COORDS: 7°01'27.51907" N, 124°18'51.38514" E ; ELLIP HT: 18.590 m.



TECHNICAL DESCRIPTION			
LINES	BEARINGS	DISTANCES	DESCRIPTION
BOUNDARY			COR. No. = MON. No.
1-2	S.76-15E.	5,406.081 m.	1= BBM 28
2-3	N.76-34E.	827.628 m.	2= BBM 16
3-4	S.30-59E.	949.211 m.	3= BBM 47
4-5	S.43-51W.	1,191.124 m.	4= BBM 49
5-6	S.02-36E.	787.089 m.	5= BBM 43
6-7	S.88-23W.	508.010 m.	6= BBM 50
7-8	N.50-38W.	1,827.317 m.	7= BBM 17
8-9	S.88-15W.	3,099.394 m.	8= BBM 51
9-1	N.16-25W.	2,607.406 m.	9= BBM 91

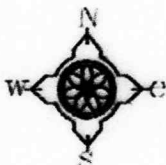
**Tie lines N.40-27W. 8,328.783 m.; from BLLM No.1,  
MGD-ARMN-064 to Corner "1":**

**NOTE:**

POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE V  
 GRID COORDINATES: N=000,000.00 m. E=000,000.00 m.  
 GEOGRAPHIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E  
 NUMBER OF BARANGAYS = 34 BARANGAYS

**REFERENCE POINTS:**

"MGD-2" 1st. ORDER PRS 92 COORDS: 7°13'15.64586" N, 124°14'33.61529" E ; ELLIP HT: 63.172 m.  
 "CTN-24" 2nd. ORDER PRS 92 COORDS: 7°16'49.71842" N, 124°27'21.86552" E ; ELLIP HT: 29.751 m.  
 "BLLM-1 MGD-ARMN-005" 3rd. ORDER PRS 92 COORDS: 7°00'41.16889" N, 124°08'39.34771" E ; ELLIP HT: 446.158 m.  
 "BLLM-1" 3rd. ORDER PRS 92 COORDS: 7°01'27.51907" N, 124°16'51.35514" E ; ELLIP HT: 16.590 m.

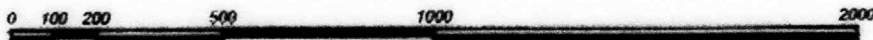


**BARANGAY BOUNDARY MAP  
OF  
BARANGAY MARGUES (CASE 20)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARMM-064**

SITUATED IN THE

BARANGAY OF : MARGUES  
MUNICIPALITY OF : DATU ODIN SINSUAT  
PROVINCE OF : MAGUINDANAO  
ISLAND OF : MINDANAO  
CONTAINING AN AREA OF 882,9055 HAS.

ZONE NO. V  
PPCS-PTM/PRS 92  
BEARING : GRID  
SCALE 1:20,000



DATE SURVEYED : MAY 1 - JUNE 1, 2015

SURVEYED IN ACCORDANCE WITH THE PROVISION OF DENR ADMINISTRATIVE ORDER NO. 2007-29 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MUSLIM MINDANAO PURSUANT TO THE CADASTRAL SURVEY CONTRACT DATED JAN. 12, 2015

SURVEYED BY: GEOLANE LAND CONSULTANTS

*[Signature]*  
GILBERT P. PALACON  
CHIEF OF PARTY CONTRACTOR

Date Submitted:

Verified and Found Correct By:

*[Signature]*  
ALLAN LAO DIANSUY AL-HADJ-MPA  
CHIEF, SURVEYS DIVISION

Recommending Approval:

*[Signature]*  
ATTY. BADRODIN B. PACASEM  
OIC, LMB DIRECTOR

APPROVED:

*[Signature]*  
HADJI KAHAL Q. KEDTAG  
REGIONAL SECRETARY

Date Approved:

Verified By: *[Signature]*  
MOSALEM I. SARIP  
Engineer IV

*[Signature]*  
CHARLENE S. PASCUA  
Engineer

*[Signature]*  
JULIAN G. PASCUA Jr.  
Cartographer

Checked By:



TECHNICAL DESCRIPTION			
LINES	BEARINGS	DISTANCES	DESCRIPTION
<b>BOUNDARY</b>			
1-2	N.44-31E	2,619.772 m.	1= BBN 60
2-3	N.27-27E	1,549.105 m.	2= BBN 70
3-4	N.21-81E	95.433 m.	3= BBN 82
4-5	N.85-53E	78.855 m.	4= CL-118
5-6	S.78-49E	97.963 m.	5= CL-117
6-7	S.68-49E	82.499 m.	6= CL-118
7-8	S.49-31E	98.656 m.	7= CL-119
8-9	S.38-34E	144.853 m.	8= CL-120
9-10	S.30-44E	204.298 m.	9= CL-121
10-11	S.28-18E	142.118 m.	10= CL-122
11-12	S.37-27E	96.427 m.	11= CL-123
12-13	S.53-28E	101.856 m.	12= CL-124
13-14	S.64-28E	144.227 m.	13= CL-125
14-15	S.70-57E	149.865 m.	14= CL-126
15-16	S.65-04E	159.833 m.	15= CL-127
16-17	S.50-40E	102.878 m.	16= CL-128
17-18	S.38-46E	124.215 m.	17= CL-129
18-19	S.33-18E	364.680 m.	18= CL-130
19-20	S.34-54E	308.786 m.	19= CL-131
20-21	S.34-14E	368.518 m.	20= CL-132
21-22	S.28-42E	234.040 m.	21= CL-133
22-23	S.38-12E	286.650 m.	22= CL-134
23-24	S.65-10W	66.271 m.	23= CL-135
24-25	S.73-01W	1,250.140 m.	24= BBN 71
25-26	S.58-15W	3,132.285 m.	25= BBN 69
26-1	N.38-55W	1,302.159 m.	26= BBN 62

Tie line N.23-54W 12,258.818 m.; from BLM No. 1, MGD-ARMM-084 to Corner "1":



**BARANGAY BOUNDARY MAP  
OF  
BARANGAY MARGUES (CASE 20)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARMM-084**

SITUATED IN THE  
MUNICIPALITY OF : SINSUAT  
PROVINCE OF : MAGUINDANAO  
CONTAINING AN AREA OF 882,8050 HAS.  
ZONE NO. V  
PROJ. - UTM / PRS 82  
BEARING 1 GRID  
SCALE 1:20,000

DATE SURVEYED : MAY 1 - JUNE 1, 2015

SURVEYED IN ACCORDANCE WITH THE PROVISIONS OF DEPT. ADMINISTRATIVE ORDER NO. 2007-29 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MUSLIM MINDANAO PURSUANT TO THE CONTRACTUAL SURVEY CONTRACT DATED JAN. 12, 2015

SURVEYED BY: GEDLANE LAND CONSULTANTS

*Albert P. Palada*  
ALBERT P. PALADA  
CHIEF OF PARTY/CONTRACTOR

Date Submitted:

Verified and Found Correct By:

*Allan L. Danisuy Al-Hadi-MPA*  
ALLAN LAD DANISUY AL-HADI-MPA  
CHIEF, SURVEYS DIVISION

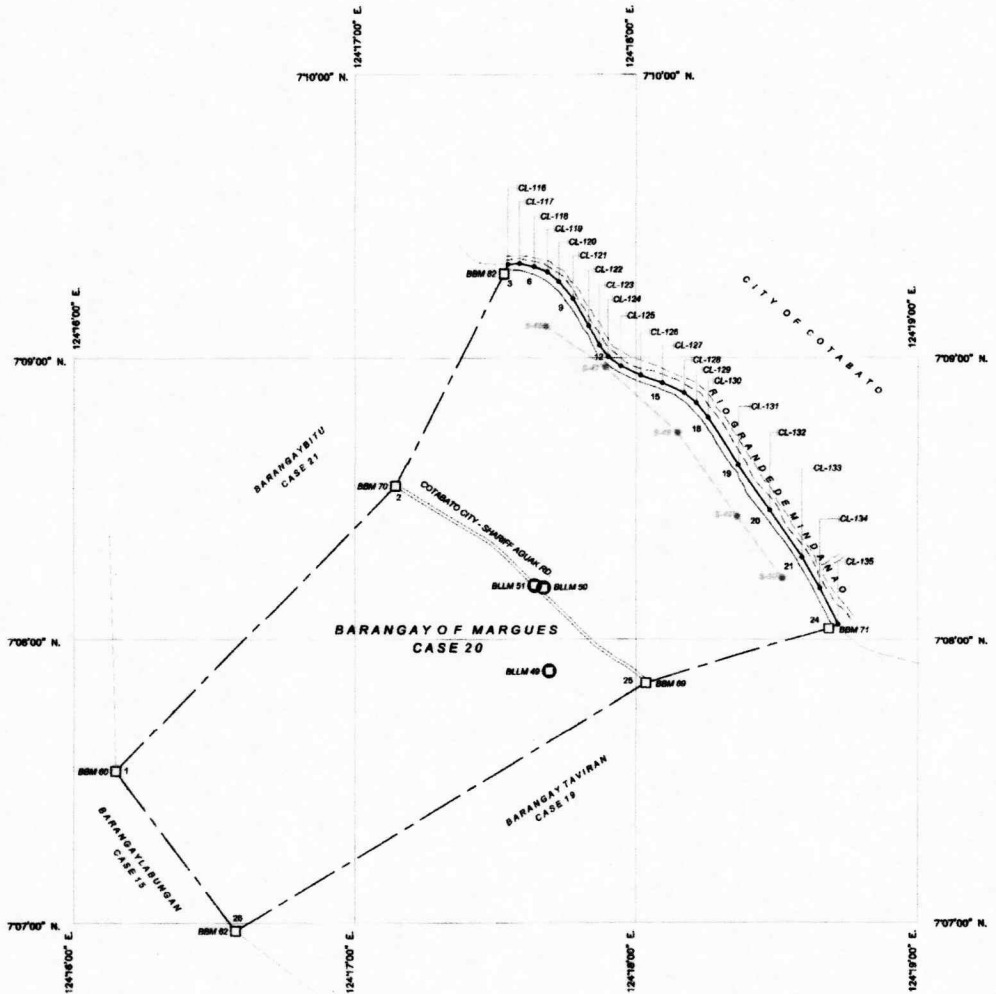
Recommending Approval:

*Atty. Anderson B. Pacasen*  
ATTY. ANDERSON B. PACASEN  
O.C. LAB DIRECTOR

APPROVED:

*Hadi Khalil S. Kedzag*  
HADI KHALIL S. KEDZAG  
REGIONAL SECRETARY

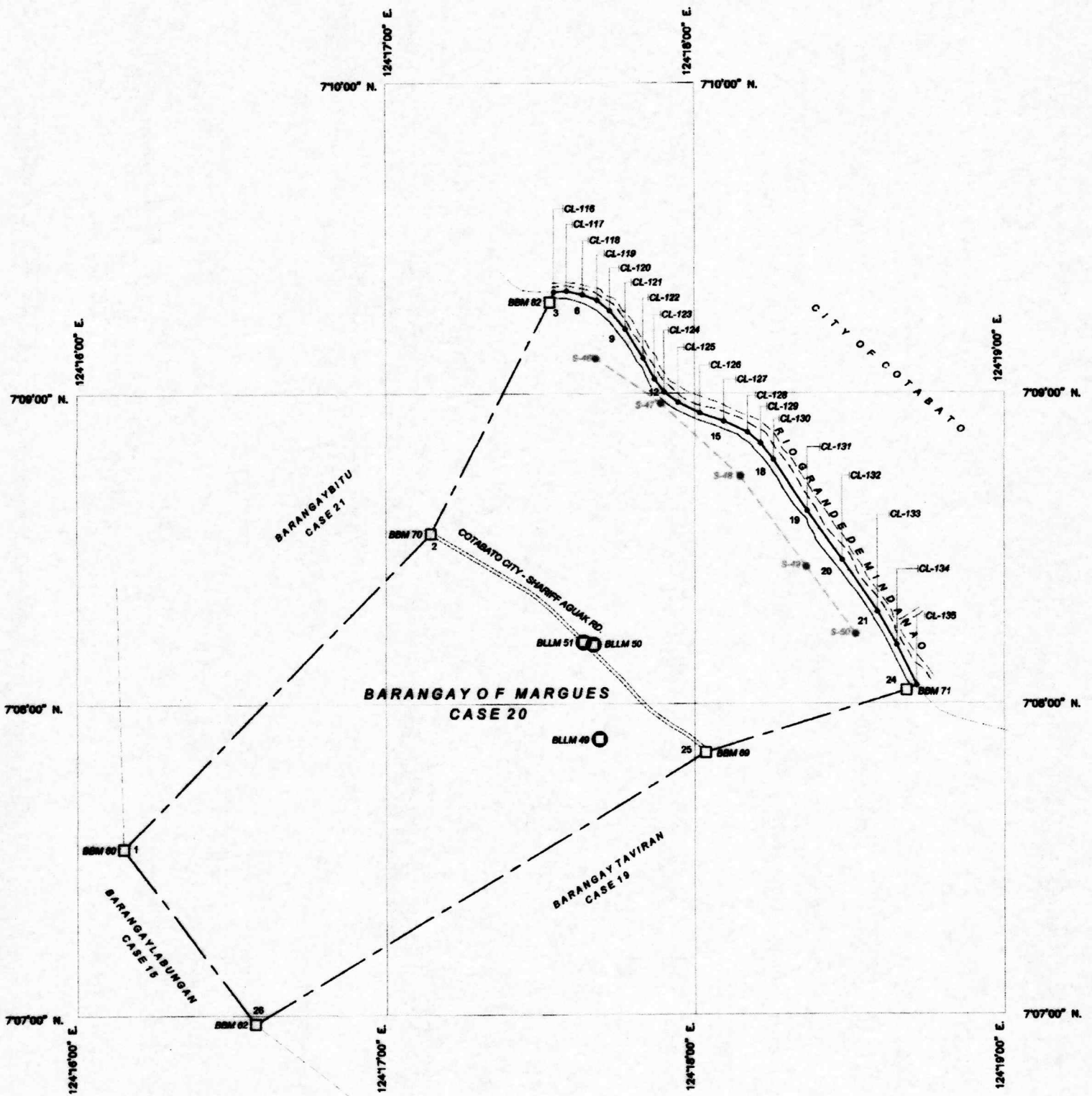
Date Approved:



NOTE:  
POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE V  
GRID COORDINATES: N=00,000.00 m. E=600,000.00 m.  
GEOGRAPHIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E  
NUMBER OF BARRIAGES - 34 BARRIAGES

REFERENCE POINTS:

"MGD-2" 1st. ORDER PRS 82 COORDS: 713°15.84888" N, 124°14'33.81829" E ; ELLIP HT: 63.172 m.  
"CTR-24" 2nd. ORDER PRS 82 COORDS: 7°16'48.71849" N, 124°27'21.86882" E ; ELLIP HT: 29.781 m.  
"BLM-1" MGD-ARMM-084" 3rd. ORDER PRS 82 COORDS: 7°07'41.18889" N, 124°08'30.34771" E ; ELLIP HT: 448.158 m.  
"BLM-1" 3rd. ORDER PRS 82 COORDS: 7°07'27.51907" N, 124°18'51.38814" E ; ELLIP HT: 16.580 m.



TECHNICAL DESCRIPTION			
LINES	BEARINGS	DISTANCES	DESCRIPTION
BOUNDARY			COR. No. = MON. No.
1-2	N.44-31E.	2,619.772 m.	1= BBM 60
2-3	N.27-27E.	1,549.105 m.	2= BBM 70
3-4	N.21-51E.	85.433 m.	3= BBM 82
4-5	N.85-53E.	76.655 m.	4= CL-116
5-6	S.76-49E.	97.963 m.	5= CL-117
6-7	S.68-49E.	92.498 m.	6= CL-118
7-8	S.49-31E.	98.656 m.	7= CL-119
8-9	S.39-34E.	144.853 m.	8= CL-120
9-10	S.30-44E.	204.298 m.	9= CL-121
10-11	S.28-19E.	142.118 m.	10= CL-122
11-12	S.37-27E.	98.427 m.	11= CL-123
12-13	S.53-28E.	101.655 m.	12= CL-124
13-14	S.64-28E.	144.227 m.	13= CL-125
14-15	S.70-57E.	149.983 m.	14= CL-126
15-16	S.65-04E.	155.933 m.	15= CL-127
16-17	S.50-40E.	102.878 m.	16= CL-128
17-18	S.38-40E.	124.215 m.	17= CL-129
18-19	S.33-18E.	364.650 m.	18= CL-130
19-20	S.34-54E.	358.786 m.	19= CL-131
20-21	S.34-14E.	369.518 m.	20= CL-132
21-22	S.29-42E.	234.045 m.	21= CL-133
22-23	S.28-12E.	268.858 m.	22= CL-134
23-24	S.65-10W.	66.271 m.	23= CL-135
24-25	S.73-01W.	1,250.140 m.	24= BBM 71
25-26	S.59-15W.	3,132.295 m.	25= BBM 69
26-1	N.36-56W.	1,302.159 m.	26= BBM 62

Tie lines N.23-54W. 12,258.816 m.; from BLLM No.1,  
MGD-ARMM-064 to Corner "1":

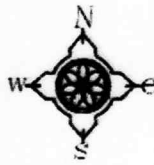
**NOTE:**

POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE V  
 GRID COORDINATES: N=000,000.00 m. E=500,000.00 m.  
 GEOGRAPHIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E  
 NUMBER OF BARANGAYS - 34 BARANGAYS

**REFERENCE POINTS:**

"MGD-2" 1st. ORDER PRS 92 COORDS: 7°13'15.64586" N, 124°14'33.81529" E ; ELLIP HT: 63.172 m.  
 "CTN-24" 2nd. ORDER PRS 92 COORDS: 7°16'46.71842" N, 124°27'21.88552" E ; ELLIP HT: 29.751 m.  
 "BLLM-1 MGD-ARMM-066" 3rd. ORDER PRS 92 COORDS: 7°00'41.16889" N, 124°09'30.34771" E ; ELLIP HT: 446.158 m.  
 "BLLM-1" 3rd. ORDER PRS 92 COORDS: 7°01'27.51907" N, 124°18'51.35514" E ; ELLIP HT: 16.590 m.

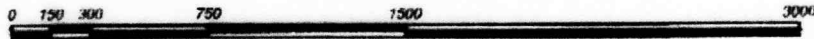




**BARANGAY BOUNDARY MAP  
OF  
BARANGAY MAKIR (CASE 8)  
DATU ODIN SINSUAT, MAGUINDANAO  
MGD-ARMM-064**

SITUATED IN THE

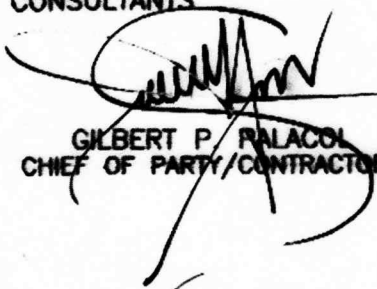
BARANGAY OF : MAKIR  
 MUNICIPALITY OF : DATU ODIN SINSUAT  
 PROVINCE OF : MAGUINDANAO  
 ISLAND OF : MINDANAO  
 CONTAINING AN AREA OF 1,388,1796 HAS.  
 ZONE NO. V  
 PPCS-PTM/PRS 92  
 BEARING : GRID  
 SCALE 1: 30,000



DATE SURVEYED : MAY 1 - JUNE 1, 2015

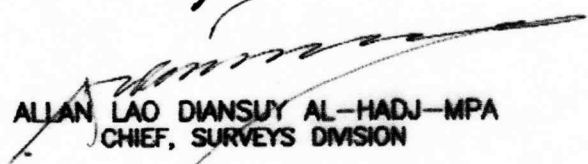
SURVEYED IN ACCORDANCE WITH THE PROVISION OF DENR ADMINISTRATIVE ORDER NO. 2007-29 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MUSLIM MINDANAO PURSUANT TO THE CADASTRAL SURVEY CONTRACT DATED JAN. 12, 2015

SURVEYED BY: GEOLANE LAND CONSULTANTS

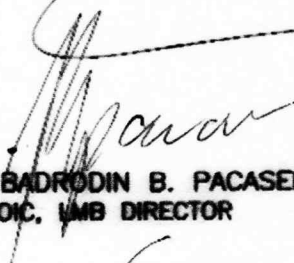
  
 GILBERT P. PALACOL  
 CHIEF OF PARTY/CONTRACTOR

Date Submitted:

Verified and Found Correct By:

  
 ALLAN LAO DIANSUY AL-HADJ-MPA  
 CHIEF, SURVEYS DIVISION

Recommending Approval:


  
 ATTY. BADRODDIN B. PACASEM  
 OIC, LMB DIRECTOR

APPROVED:

  
 HADJI KAHAL Q. KEDTAG  
 REGIONAL SECRETARY

Date Approved:

Verified By:   
 MCSALEM L. SARIP  
 Engineer IV


  
 CHARLENE S. PASCUAN  
 Engineer II

  
 JUAN C. PASCUAN JR.  
 Cartographer

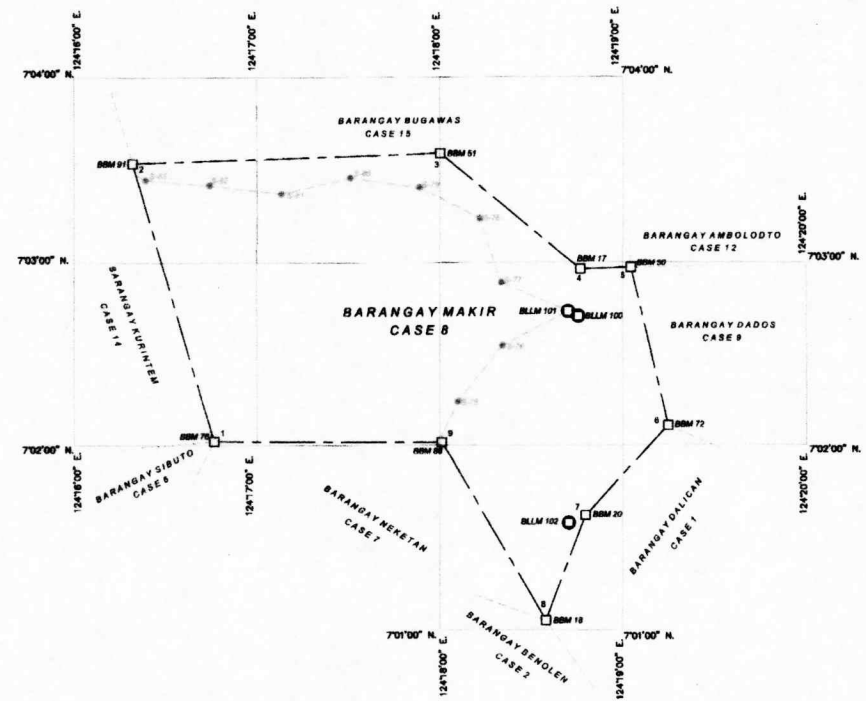
Checked By:

TECHNICAL DESCRIPTION			
LINES	BEARINGS	DISTANCES	DESCRIPTION
<b>BOUNDARY</b>			
1-2	N.16-20W.	2,913.888 m.	1- BSM 76
2-3	N.88-10E.	3,099.384 m.	2- BSM 91
3-4	S.50-38E.	1,827.317 m.	3- BSM 91
4-5	N.88-23E.	508.010 m.	4- BSM 17
5-6	S.12-09E.	1,633.945 m.	5- BSM 90
6-7	S.42-20W.	1,325.166 m.	6- BSM 72
7-8	S.20-57W.	1,120.378 m.	7- BSM 20
8-9	N.30-27W.	2,068.280 m.	8- BSM 18
9-1	N.88-40W.	2,293.528 m.	9- BSM 88

Tie line N.74-51W. 3,985.132 m. from BLM No.1.  
 MGD-ARMM-064 to Corner "1".

  
**BARANGAY BOUNDARY MAP**  
**OF**  
**BARANGAY MAKIR (CASE 8)**  
**DATU ODIN SINSUAT, MAGUINDANAO**  
**MGD-ARMM-064**

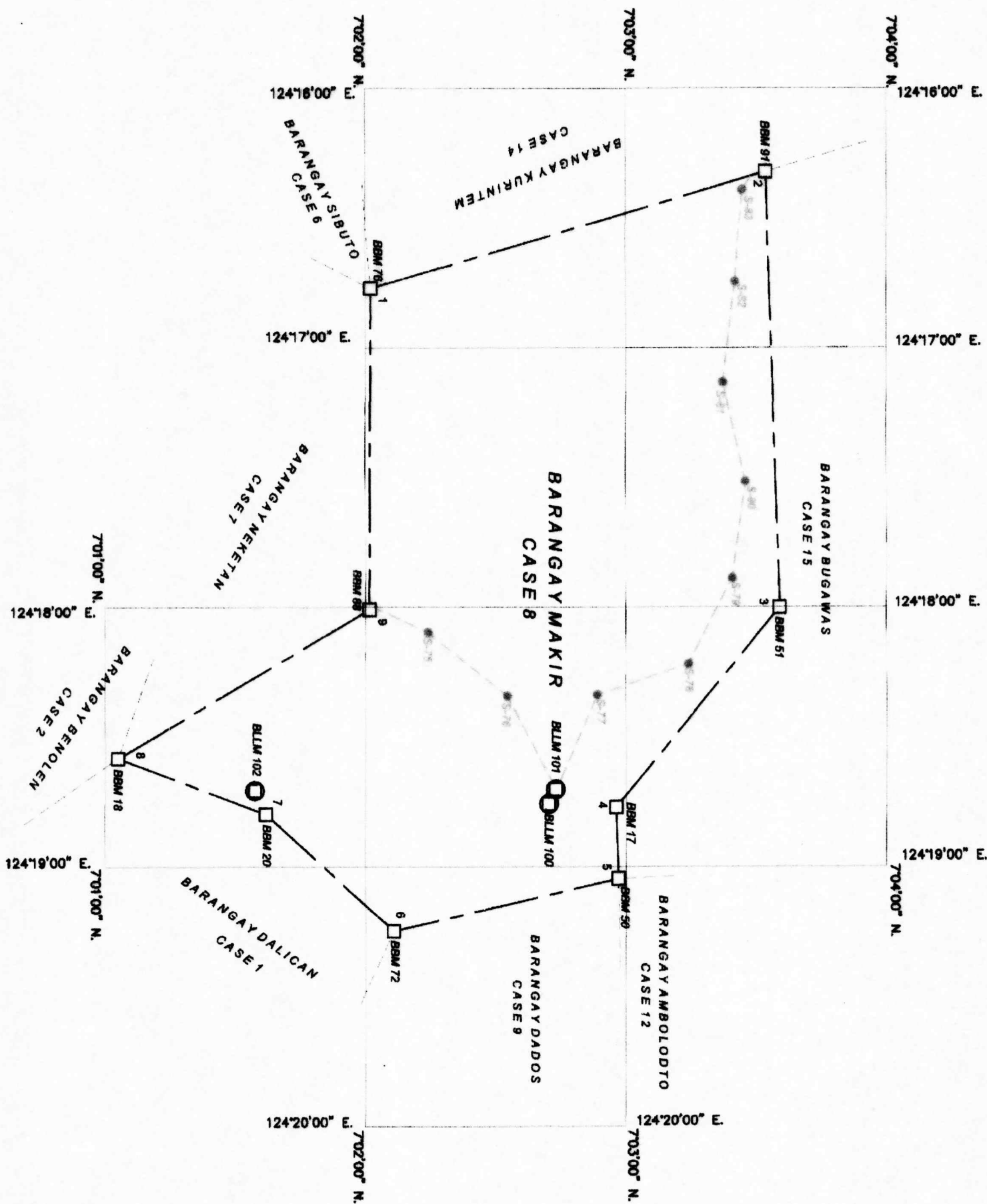
SITUATED IN THE  
 BOUNDARY OF **MUNICIPALITY OF DATU ODIN SINSUAT**  
 PROVINCE OF **MAGUINDANAO**  
 CONTAINING AN AREA OF **1,388,1796** HAS.  
 ZONE NO. V  
 ORDER PRS 92  
 BEARING: GRID  
 SCALE 1:50,000



DATE SURVEYED: MAY 1 - JUNE 1, 2015  
 SURVEYED IN ACCORDANCE WITH THE PROVISIONS OF DENR ADMINISTRATIVE ORDER NO. 2007-29 UNDER THE DIRECTION OF THE SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OF AUTONOMOUS REGION IN MUSLIM MINDANAO PURSUANT TO THE CADASTRAL SURVEY CONTRACT DATED JAN. 12, 2015  
 SURVEYED BY: **GEOLAND LAND CONSULTANTS**  
**ROBERT P. PULADO**  
 CHIEF OF FIELD CONTRACTOR  
 Date Submitted: \_\_\_\_\_  
 Verified and Found Correct By: **ALLAN LAD DANGLAY AL-HADJI-MPA**  
 CHIEF, SURVEYS DIVISION  
 Recommending Approval: **ATTY. ENDRISON B. PACASEM**  
 CH. ASST. DIRECTOR  
 APPROVED: **MARIA TERESA G. HERRING**  
 REGIONAL SECRETARY  
 Date Approved: \_\_\_\_\_

**NOTE:**  
 POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE V  
 GRID COORDINATES: N=000,000.00 m. E=500,000.00 m.  
 GEOGRAPHIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E  
 NUMBER OF BARANGAYS - 34 BARANGAYS  
**REFERENCE POINTS:**  
 "MGD-2" 1st. ORDER PRS 92 COORDS: 7°13'15.04588" N, 124°14'33.61829" E ; ELLIP HT: 63.172 m.  
 "CTM-24" 2nd. ORDER PRS 92 COORDS: 7°14'48.71842" N, 124°27'21.88552" E ; ELLIP HT: 28.751 m.  
 "BLM-1" MGD-ARMM-064 3rd. ORDER PRS 92 COORDS: 7°00'41.18888" N, 124°09'30.34771" E ; ELLIP HT: 448.158 m.  
 "BLM-1" 3rd. ORDER PRS 92 COORDS: 7°01'27.51907" N, 124°18'51.35514" E ; ELLIP HT: 16.580 m.





TECHNICAL DESCRIPTION			
LINES	BEARINGS	DISTANCES	DESCRIPTION
BOUNDARY			CCR. No. = SIGN. No.
1-2	N.18-20W.	2,913.808 m.	1= BSM 76
2-3	N.88-15E.	3,099.394 m.	2= BSM 91
3-4	S.58-38E.	1,827.317 m.	3= BSM 91
4-5	N.89-23E.	598.010 m.	4= BSM 17
5-6	S.12-59E.	1,833.946 m.	5= BSM 50
6-7	S.42-25W.	1,225.186 m.	6= BSM 72
7-8	S.20-57W.	1,120.378 m.	7= BSM 20
8-9	N.50-27W.	2,066.380 m.	8= BSM 16
9-1	N.88-49W.	2,290.528 m.	9= BSM 88

The line N.74-51W. 3,988.132 m. from BLM No.1,  
MCD-ARMM-004 to Corner "1".

**NOTE:**

POINT OF ORIGIN: INTERSECTION OF THE EQUATOR AND THE CENTRAL MERIDIAN OF ZONE Y  
 GRID COORDINATES: N=000,000.00 m. E=800,000.00 m.  
 GEOGRAPHIC POSITION: LAT=0-0-00.00 N, LONG=125-00-00.00 E  
 NUMBER OF BARANGAYS - 34 BARANGAYS

**REFERENCE POINTS:**

- "MCD-2" 1st. ORDER PRS 92 COORDS: 7°13'15.84588" N, 124°14'33.81528" E ; ELLIP HT: 63.172 m.
- "CTM-24" 2nd. ORDER PRS 92 COORDS: 7°18'48.71842" N, 124°17'21.88882" E ; ELLIP HT: 28.751 m.
- "BLM-1 MCD-ARMM-008" 3rd. ORDER PRS 92 COORDS: 7°05'41.16888" N, 124°08'30.34771" E ; ELLIP HT: 448.158 m.
- "BLM-1" 3rd. ORDER PRS 92 COORDS: 7°01'27.31807" N, 124°18'51.38614" E ; ELLIP HT: 18.500 m.

ORIGINAL COPY