



Republic of the Philippines
Department of Environment and Natural Resources
PENRO Marinduque



MEMORANDUM

FOR : The Regional Executive Director
DENR MIMAROPA Region

THRU : The OIC Assistant Regional Director for Technical Services

ATTENTION : The OIC-Chief, Surveys and Mapping Division


FROM : The OIC- PENR Officer

SUBJECT : **REQUEST FOR THE CORRECTION OF TECHNICAL
DESCRIPTION OF LOT NO. 11077 OF CAD 544-D SITUATED IN
BARANGAY TUMAPON, BOAC, MARINDUQUE**

This pertains to the application for Agricultural Free Patent of the Heirs of Jose Olivar, represented by Luzviminda O. Manzo over a parcel of land identified as Lot No. 11077, Cad 544-D situated in Barangay Tumapon, Boac, Marinduque.

Upon plotting of the available lot data computation of the aforesaid lot, it was found out that the polygon is not close. In this regard, we respectfully request for the correction of the technical description/lot data computation of the said lot for us to process/approve their application for land title.

For your information and consideration.

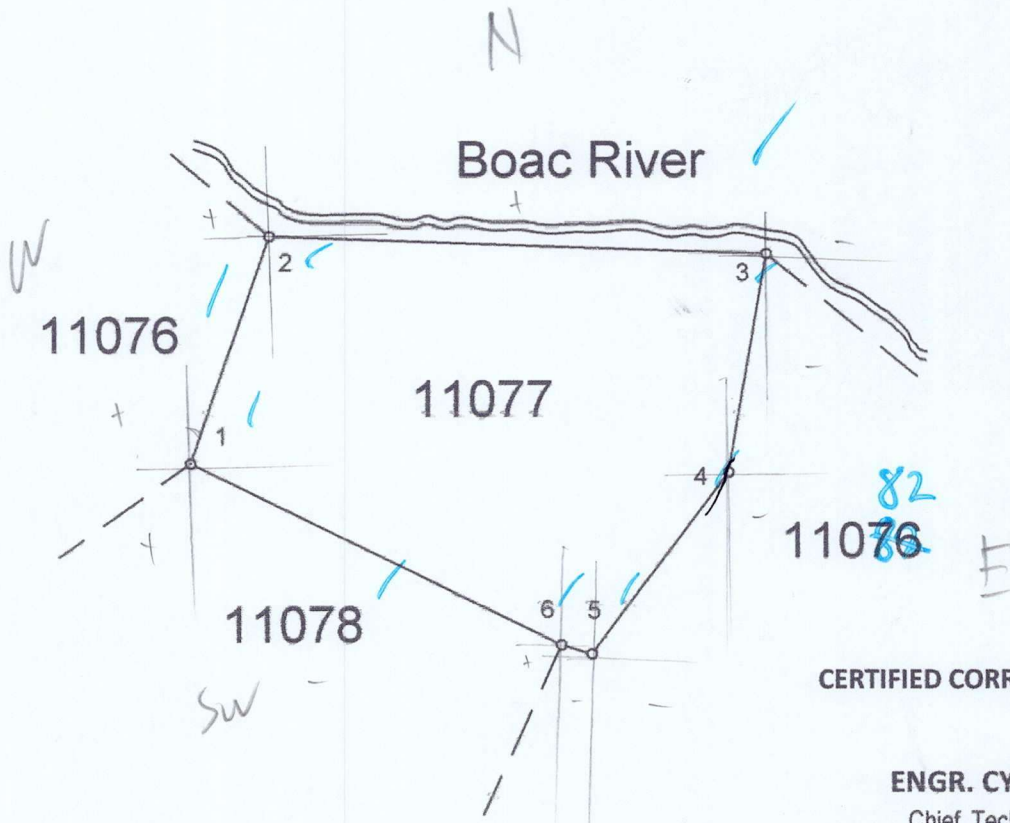

IMELDA M. DIAZ



Application No.		Survey No.	CAD 544-D	Case No.	13
Applicant	Hrs. of Jose Olivar Rep. by Luzviminda O. Manzo		Lot No.	11077	
Surveyed for	Jose Olivar		Location	Tumapon, Boac, Marinduque	
Surveyed by	Gregorio Parrera		Cadastral Map No.	13 25/ N 121, 05/E	
Surveyed on	May 16 - 31, 1977		T.D. Approved on	December 24, 1982	
Tie line	S 45 - 14 E	2087.53	From BLLM # 1	Area	7098.6 Sq. M.

TECHNICAL DESCRIPTION

LINE	BEARING					DISTANCE		RECOMPUTATION		LINE	BEARING					DISTANCE		RECOMPUTATION	
								LAT	DEP									LAT	DEP
1 - 2	N	19	06	E		49.58		46.85	16.22										
2 - 3	S	87	58	E		102.41		-3.63	102.35										
3 - 4	S	09	52	W		45.77		-45.09	-7.84										
4 - 1	S	36	46	W		47.19		-37.80	-28.25										
5 - 1	N	73	13	W		6.61		1.91	-6.33										
6 - 1	N	63	38	W		84.99		37.75	-76.15										
								86.50	-118.57										
								-86.53	118.57										
								-0.03	0.00										



CERTIFIED CORRECT:

ENGR. CYNTHIA U. LOZANO
Chief, Technical Services Division

T.D. research by:	Bernard A. Molban
T.D. sketched by:	Bernard A. Molban
T.D. checked by:	Bernard A. Molban
Recomputed by:	

Date:	06-13-2022
Date:	06-13-2022
Date:	06-13-2022
Date:	

J.F. No.		Date Issued		Issued by:	
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BUREAU OF LANDS

LOT DATA COMPUTATION

NAME OF CLAIMANT

OTHER CLAIMANT

GREGORIO PARRERA
GEODETIC ENGINEER

DATE SURVEYED
0 / 0 /

CAD 544-05-13
SURVEY NUMBER

LOT NO 11077
SHT 1

NAME OF CLAIMANT

MARINDUQUE

13 26 121 51 4
CADASTRAL MAP

SURVEY STATUS

OLD SURVEY NO

IN. OCC.

STATION COORDINATES

SIDE SHOT/ECVT

COR.

CORNER COORDINATES

CORNER DESC.

BOUNDARY LINE

BEARING

DISTANCE

BLM 1 BOAC CAD 544-D

TP

1487389.79 590830.59

PS MON

TP - 1

S45-14E

2087.53

1 OF

11076

1

1485919.52 592312.51

PS MON

1- 2

N19-06E

49.58

6 OF

11076

2

1485966.31 592328.73

X-TREE

2- 3

S87-58E

102.41

15.70

15.70

3

1485962.75 592431.08

STAKE

3- 4

S09-52N

45.77

56.75

56.75

4

1485917.68 592423.24

X-TREE

4- 5

S36-46N

47.19

27.20

27.20

5

1485879.88 592394.99

X-TREE

5- 6

N73-13N

6.61

20.85

20.85

6

1485881.77 592388.66

X-TREE

6- 7

N63-30N

84.99

AREA =

7096.43

SQ. M.

RECD. VERIFIED & COMPUTED BY:

THRU THE USE OF:

ORIGINAL LOT / COR ID BY:

DATE:

Computation of land Area using Double Meridian Distance (DMD)

Stations	Lat	Lat	Dep	Lat	Dep	DMD	Double Areas
1-2		$+ 49.58 \cos 6.06'$	$+ 49.58 \sin 15.06$	$+ 46.85056$	$+ 16.22346$	$+ 16.22$	$+ 743.854726$
2-3		$- 102.41 \sin (90^\circ - 87^\circ 58')$	$+ 102.41 \cos 50^\circ - 87^\circ 58'$	$+ 3.63360$	$+ 102.34551$	$+ 134.75243$	$- 485.781736$
3-4		$- 45.77 \cos 69^\circ 52'$	$- 45.77 \sin 109^\circ 52'$	$- 45.69802$	$- 7.84296$	$+ 229.79498$	$- 10339.60312$
4-5		$- 47.19 \cos 36^\circ 46'$	$- 47.19 \sin 36^\circ 46'$	$- 37.80295$	$- 28.24593$	$+ 138.20605$	$- 733.76616$
5-6		$+ 6.61 \sin (90 - 73^\circ 13')$	$- 6.61 \cos (90^\circ - 73^\circ 13')$	$+ 190.865$	$- 6.32843$	$+ 158.63173$	$+ 302.77245$
6-7		$+ 84.39 \sin (50 - 63^\circ 38')$	$- 84.39 \cos 50^\circ - 63^\circ 38'$	$+ 37.74524$	$- 76.14851$	$+ 76.15479$	$+ 2874.480826$
7-1			Error	$- 0.02512$	$3.1476320.008$		$+ 14,212.03705$

Double Area = $\frac{\text{Double Area}}{2}$

Double Area = $1-14,212.03705$

$A. = 7106 \text{ sq.m}$

→ Absolute