

GENERAL NOTES:

- 1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AS WELL AS ANY REGULATIONS, STANDARDS, CODES OR SPECIFICATION REFERENCES THEREIN.
- 2. COORDINATION OF WORK WITH THE CAAP MANAGEMENT AND OTHER STAKEHOLDERS IS MANDATORY SO AS TO MINIMIZE IMPACTS ON AIRPORT OPERATIONS.
- 3. CONTRACTOR WILL NOT BE PERMITTED TO ENTER/ACCESS THE CONSTRUCTION AREA WITHOUT PROPER CLEARANCES FROM THE CAAP MANAGEMENT/CONTROL TOWER.
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING INCIDENTAL GRADING AND INFRASTRUCTURE NECESSARY FOR THE TEMPORARY HAUL ROADS; ANY DISTURBED AREA SHALL BE RETURNED TO A CONDITION THAT IS EQUAL TO OR BETTER THAN THE ORIGINAL CONDITION.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL DAMAGE TO EXISTING PAVEMENT USED FOR HAUL ROUTES BY CONSTRUCTION OR HAULING EQUIPMENT.
- 6. CONSTRUCTION ACTIVITIES WITHIN THE AIRSIDE ARE SUBJECT TO CHANGE AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER COORDINATION, PLANNING AND SCHEDULING WITH CAAP-PMO REGULARLY.
- 7. EXCAVATED MATERIALS AND DEBRIS SHALL NOT BE STOCKPILED HIGHER THAN 1 METER FROM THE EXISTING GROUND/GRADE. UNLESS APPROVED OTHERWISE BY THE CAAP MANAGEMENT/PMO.
- 8. THE CONTRACTOR'S WASTE MATERIAL SHALL BE DISPOSED OF OFF AIRSIDE LIMITS IN THE DESIGNATED DISPOSAL AREA.
- 9. CONSTRUCTION TRAFFIC SHALL YIELD TO AIRCRAFT TRAFFIC AT ALL TIMES.
- 10. ALL FOREIGN OBJECT DEBRIS (FOD) MUST BE KEPT OFF ACTIVE OPERATION AREAS.

SAFETY NOTES:

- 1. THIS CONTRACTOR SHALL BE AWARE OF AND PREVENT THE FOLLOWING TYPE OF SAFETY PROBLEMS AND/OR HAZARDS:
 - A. PILES OF SCRAPE ASPHALT, CONSTRUCTION MATERIALS, TEMPORARY STRUCTURES, OR OTHER OBJECTS IN THE VICINITY OF THE OPEN RUNWAY OR TAXIWAY.
 - B. VEHICLE OR EQUIPMENT, WHETHER OPERATING OR IDLE, ON ANY OPEN RUNWAY OR TAXIWAY WHICH COULD INTERFERE WITH THE MOVEMENT OF THE AIRCRAFT.
 - C. TRASH OR OTHER MATERIALS WITH FOREIGN OBJECT (FOD) POTENTIAL, WHETHER ON RUNWAY, TAXIWAYS, OR APRON; OR IN RELATED SAFETY AREAS.
 - D. FAILURE TO CONTROL UNAUTHORIZED VEHICLE AND HUMAN ACCESS FROM ACTIVE AIRCRAFT OPERATING AREAS.
 - E. CONSTRUCTION ACTIVITIES OR MATERIALS WHICH COULD HAMPER THE RESPONSE OF AIRCRAFT RESCUE AND FIRE FIGHTING OR OTHER EMERGENCY EQUIPMENT FROM REACHING AIRCRAFT.
 - F. BIRD ATTRACTANTS ON AIRFIELD SUCH AS EDIBLE (FOOD SCRAPS, ETC;) MISCELLANEOUS TRASH. OR PONDED WATER.
- 2. DEBRIS, WASTE, AND LOOSE MATERIALS CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR OR PROPELLERS, OR BEING INGESTED IN JET ENGINES SHALL NOT BE ALLOWED IN ACTIVE AIRCRAFT MOVEMENT AREAS OR ADJACENT GRASSED AREAS. MATERIALS OBSERVED IN THESE AREAS SHALL BE REMOVED IMMEDIATELY AND/OR CONTINUOUSLY BY THE CONTRACTOR.
- 3. CONSTRUCTION VEHICLE AND EQUIPMENT MUST HAVE ROTATING BEACON ALL DAY DURING CONSTRUCTION WITHIN THE ACTIVE AIRFIELD. A TWO-WAY RADIO COMMUNICATION WITH THE CONTROL TOWER PERSONNEL FROM THE CAAP ARE REQUIRED ALL THE TIME DURING CONSTRUCTION.

ASPHALT PAVEMENT:

- 1. AGGREGATE FOR ASPHALTIC CONCRETE PAVING:
PROVIDE A MIXTURE OF SAND, MINERAL AGGREGATE, AND LIQUID ASPHALT MIXED IN SUCH PROPORTIONS THAT THE PERCENTAGE OF WEIGHT WILL BE WITHIN:

SIEVE SIZES	PERCENTAGE PASSING
19mm (¾")	100
9.5mm (⅜")	67-85
6.4mm (¼")	50-65
2.4mm (No. 8 Mesh)	37-50
600µm (No. 30 Mesh)	15-25
75µm (No. 200 Mesh)	3-8

- 2. ASPHALTS;
COMPLY WITH PROVISIONS OF ASPHALTS INSTITUTE SPECIFICATIONS;

ASPHALT BINDER : PMB (PG 76-10)
WITH 5% - 8% BINDER

TACK COAT : CATIONIC - CRS-1

SEALER : OXIDIZE BITUMEN 115-15

- 3. THE ASPHALT PLANT SHALL BE LOCATED WITHIN THE MAXIMUM RADIUS OF 50 KM TO ENSURE THE PROPER TEMPERATURE IS MAINTAINED BEFORE LAYING.
- 4. PROVIDE HOT PLANT-MIXED ASPHALTIC CONCRETE PAVING MATERIALS.
TEMPERATURE LEAVING THE PLANT : 180°C (356°F) MINIMUM
TEMPERATURE AT PLACEMENT : 150°C (302°F) MINIMUM
170°C (338°F) MAXIMUM
- 5. DO NOT ACCEPT MATERIALS UNLESS COVERED WITH TARPAULIN UNTIL UNLOADED AND HAS A TEMPERATURE OF NOT LESS THAN 150°C.
- 6. NO ASPHALT MIXTURE SHALL BE PLACED UNTIL AN ACCEPTABLE MIX DESIGN HAS BEEN SUBMITTED TO THE CAAP-PMO FOR REVIEW AND APPROVED IN WRITING. WHEN THE PROJECT REQUIRES ASPHALT MIXTURES OF DIFFERING AGGREGATE GRADATIONS AND/OR BINDERS, A SEPARATE JMF SHALL BE SUBMITTED FOR EACH MIX. IF THERE IS A CHANGE IN MATERIAL SOURCES, A NEW JMF MUST BE SUBMITTED TO THE CAAP-PMO FOR REVIEW AND APPROVED IN WRITING BEFORE THE NEW MATERIAL IS USED.
- 7. DO NOT COMMENCE PLACEMENT OF ASPHALTIC CONCRETE MATERIALS WHEN THE ATMOSPHERIC TEMPERATURE IS BELOW 10°C NOT DURING FOG, RAIN OR OTHER UNSUITABLE CONDITIONS.
- 8. SEALING WORKS ON DEFECTS LIKE CRACKS SHALL BE PERFORMED BY THE CONTRACTOR. TRANSVERSE AND LONGITUDINAL JOINTS OF EXISTING PAVEMENT SHALL ALSO BE SEALED BEFORE PAVING.
- 9. PRIOR TO APPLICATION OF BITUMINOUS TACK COAT, ALL LOOSE STONES, DEBRIS AND OTHER SCATTERED MATERIALS ON THE SURFACE OF EXISTING PAVEMENT SHALL BE CLEANED/REMOVED WITH THE USE OF POWER BLOWER AND/OR POWER BROOM.
- 10. THE DISTRIBUTOR TRUCK SHALL BE EQUIPPED WITH A MINIMUM 12-FOOT (3.7M) SPREADER SPRAY BAR WITH INDIVIDUAL NOZZLE CONTROL WITH COMPUTER-CONTROLLED APPLICATION RATES.
- 11. THE ASPHALT PAVER SHALL BE EQUIPPED WITH A CONTROL SYSTEM CAPABLE OF AUTOMATICALLY MAINTAINING THE SPECIFIED SCREED GRADE AND ELEVATION.
- 12. THE MIXTURE SHALL BE SPREAD AND STRUCK OFF TO MATCH THE GRADE AND ELEVATIONS SHOWN ON THE DRAWINGS.
- 13. AFTER THE MATERIALS HAS BEEN SPREAD TO THE PROPER DEPTH, ROLL IT UNTIL THE SURFACE IS HARD, SMOOTH, UNYIELDING AND ACHIEVES A MINIMUM OF AT LEAST 97% OF THE THEORETICAL DENSITY, ADHERING TO THE THICKNESS AND ELEVATIONS DEPICTED IN THE DRAWINGS.
- 14. THE NEWLY PAVED SECTION SHALL BE CLOSED TO TRAFFIC UNTIL SUCH TIME THAT THE TEMPERATURE COOLS DOWN TO ATMOSPHERIC TEMPERATURE OF 60-70°C.

REFERENCE/S:

- 1. DPWH DO 11 S 2019
- 2. FAA AC 150-5370 10H
- 3. PAVEMENT DESIGN FOR AIRFIELD, UFC 3-260-02



REPUBLIC OF THE PHILIPPINES
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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
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DRAWN BY:	VCS
CHECKED BY:	

REVIEWED BY:


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NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY

LOCATION:

MASBATE AIRPORT
CITY OF MASBATE,
MASBATE

SHEET CONTENTS:

GENERAL NOTES

DRAWING SCALE:	SHEET NO:
AS SHOWN	CW-01
	01 22



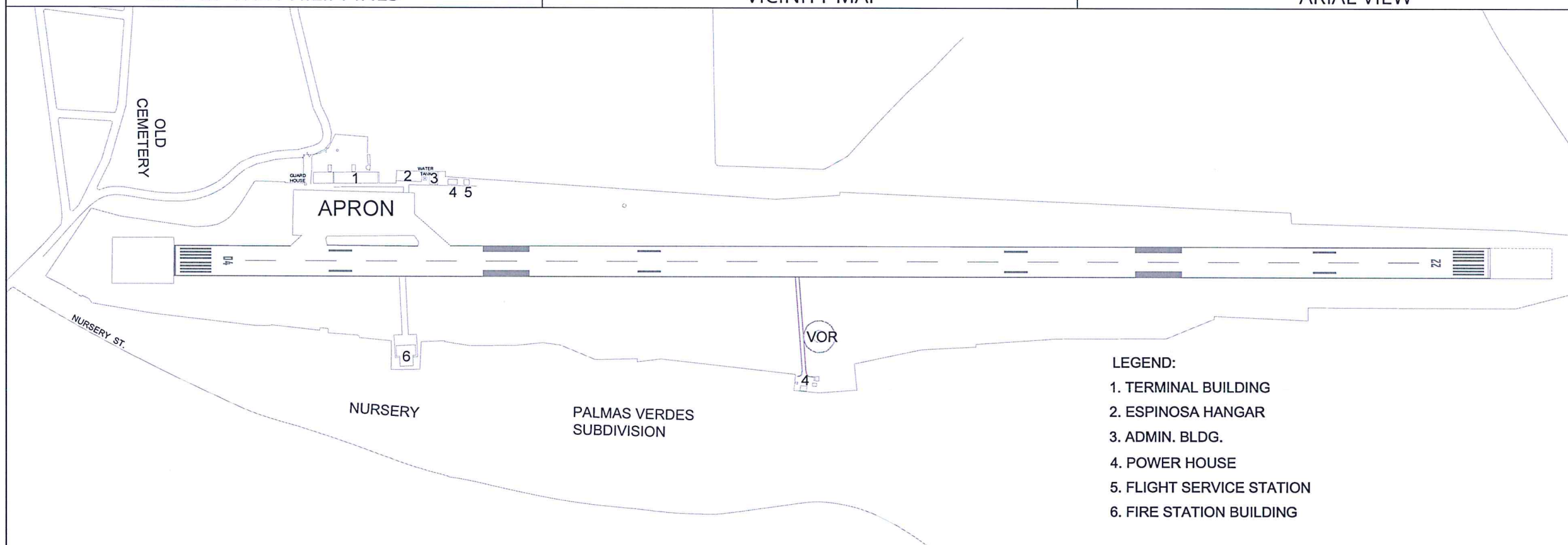
MAP OF THE PHILIPPINES



VICINITY MAP



ARIAL VIEW



LEGEND:

1. TERMINAL BUILDING
2. ESPINOSA HANGAR
3. ADMIN. BLDG.
4. POWER HOUSE
5. FLIGHT SERVICE STATION
6. FIRE STATION BUILDING

01 **AIRPORT LAYOUT**
CW-02 CW-02 SCALE 1:4500 mts



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NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF
RUNWAY

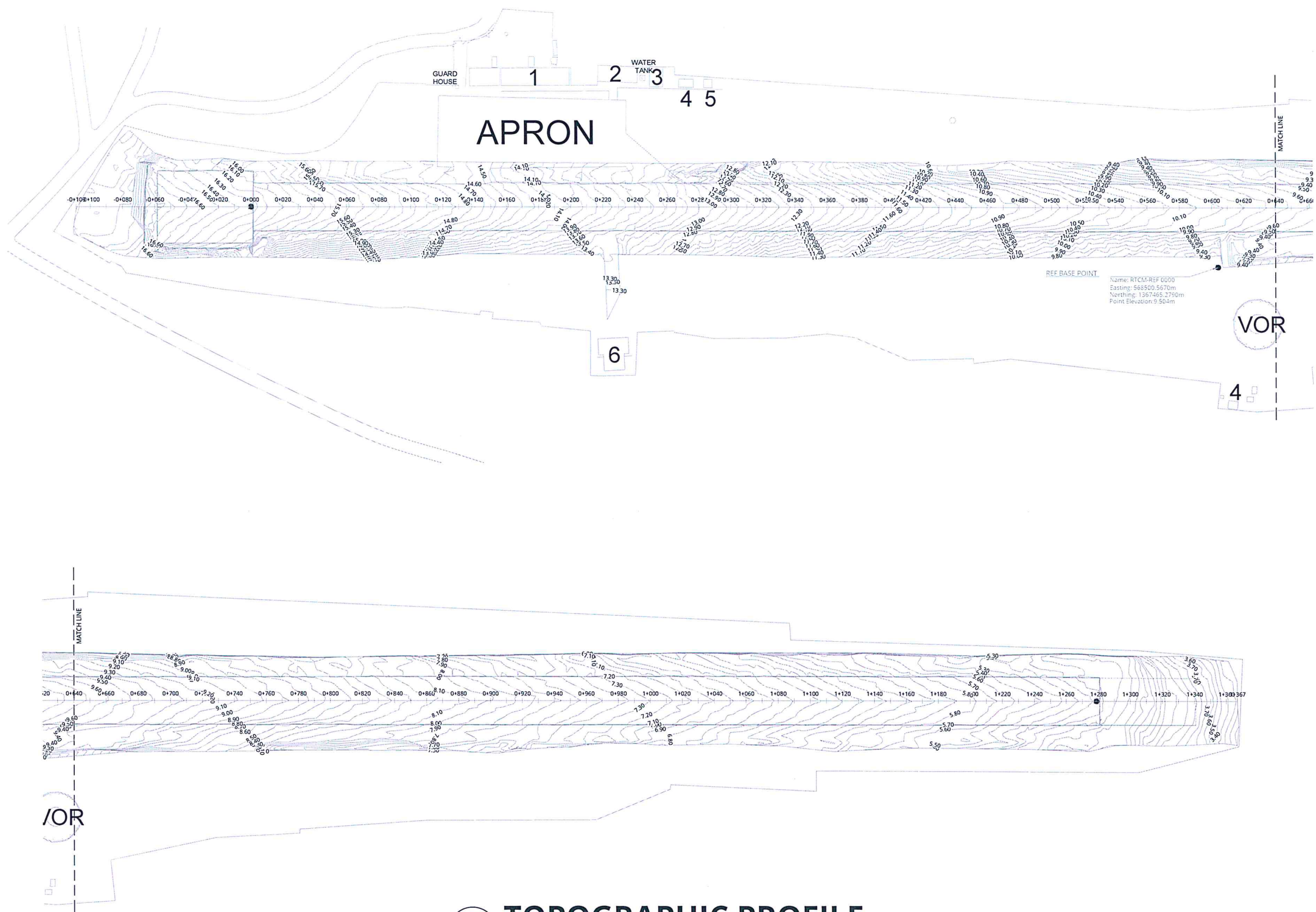
LOCATION:

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CITY OF MASBATE,
MASBATE

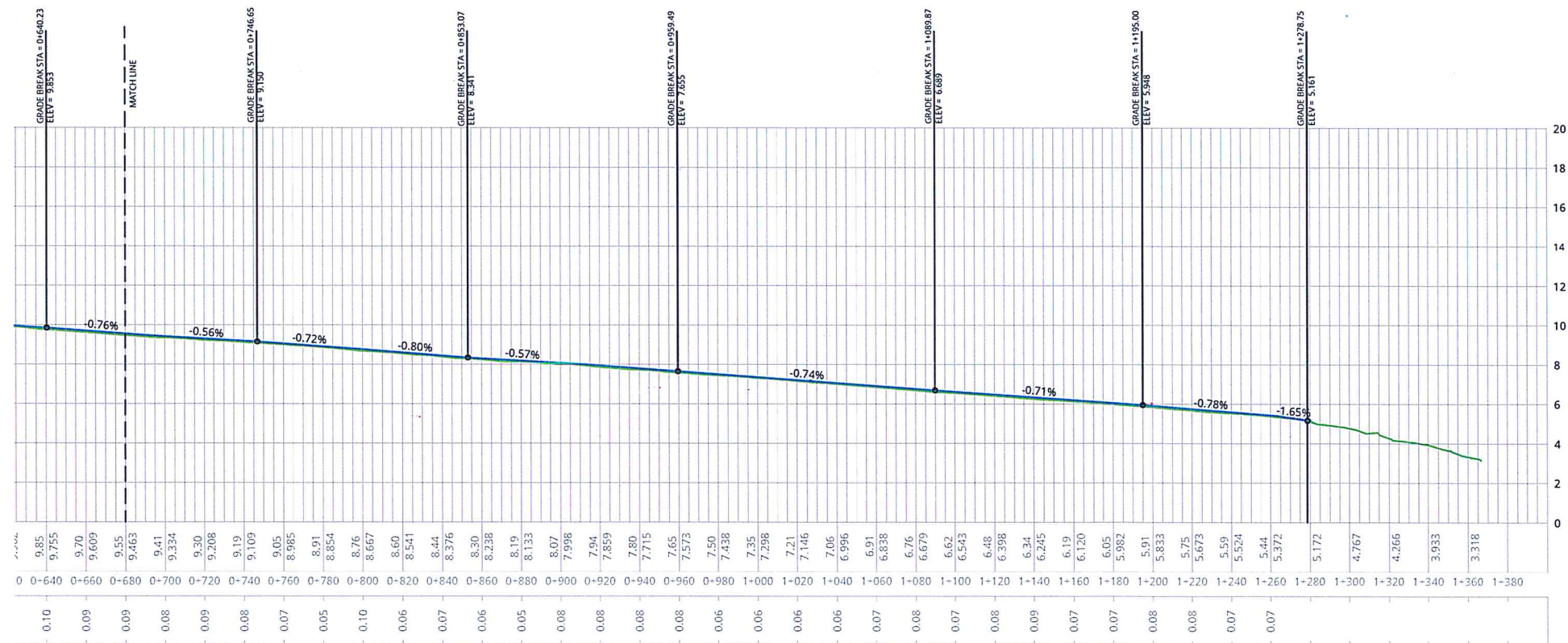
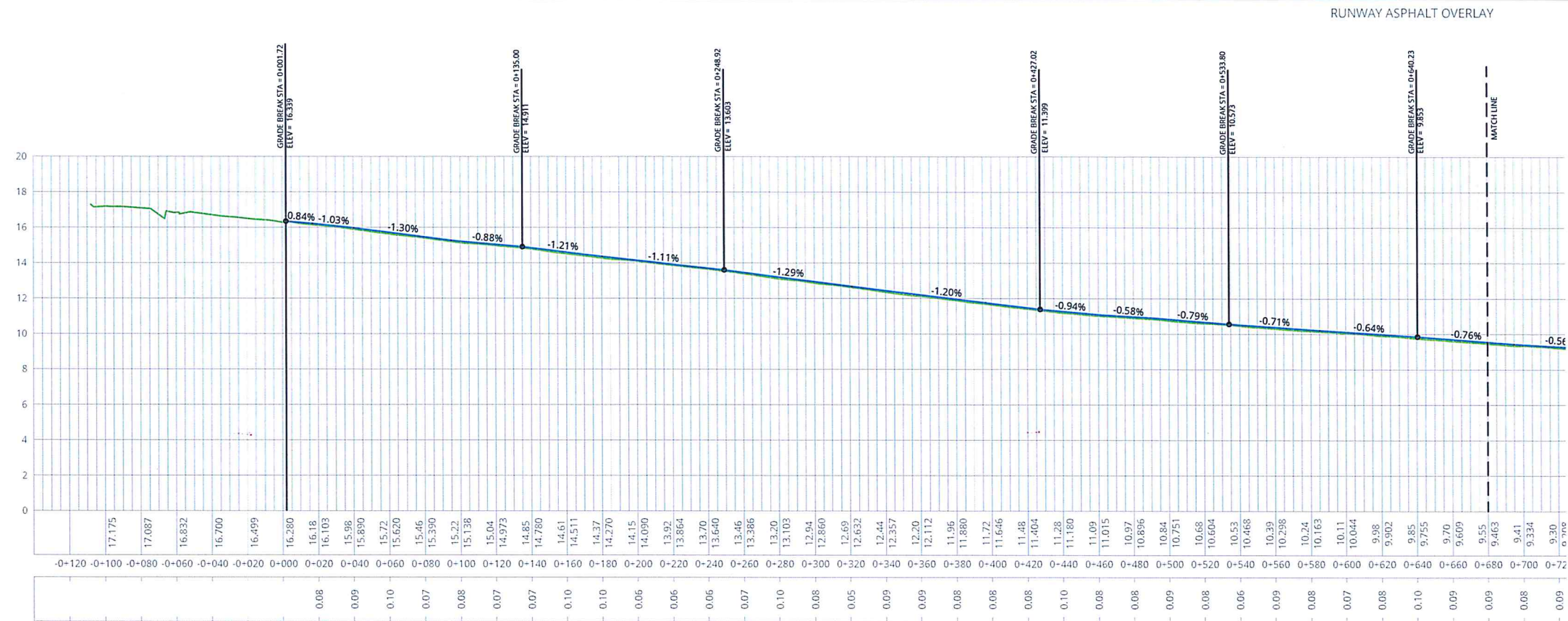
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AIRPORT LAYOUT

DRAWING SCALE:	SHEET NO:
AS SHOWN	CW-02 02 23



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INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION	
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PROJECT:	
ASPHALT OVERLAY OF RUNWAY	
LOCATION:	
MASBATE AIRPORT CITY OF MASBATE, MASBATE	
SHEET CONTENTS:	
TOPOGRAPHIC PROFILE	
DRAWING SCALE:	SHEET NO:
AS SHOWN	CW-03 03 23



RUNWAY DESIGN PROFILE

SCALE

HORIZONTAL
VERTICAL

1:3000 mts
1:1500 mts



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LOCATION:

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RUNWAY DESIGN PROFILE

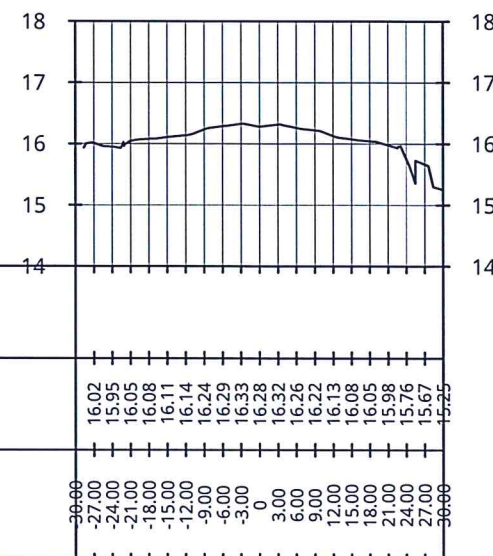
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SHEET NO:

CW-04
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0+000.00



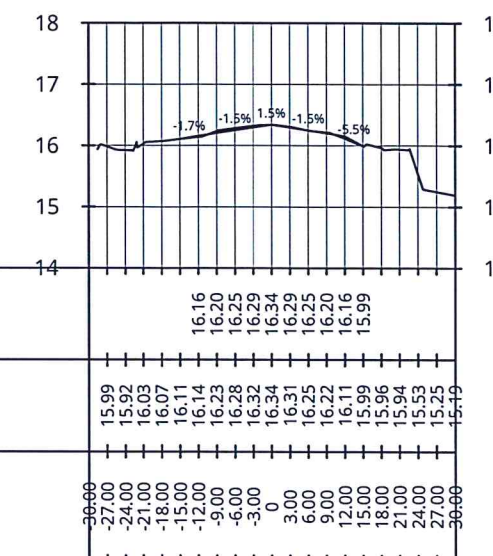
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EXISTING ELEVATIONS

OFFSET

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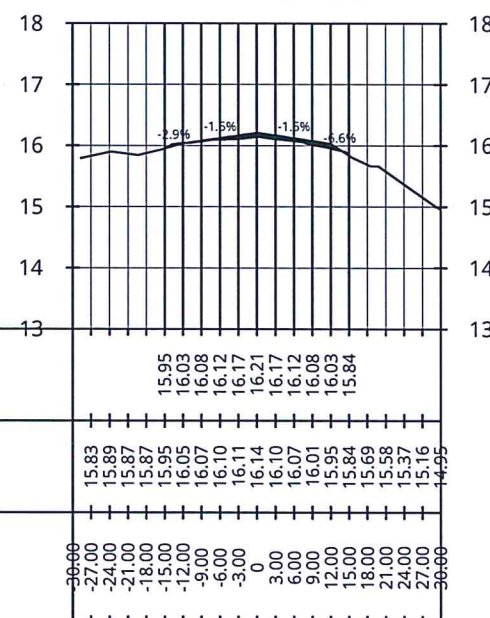
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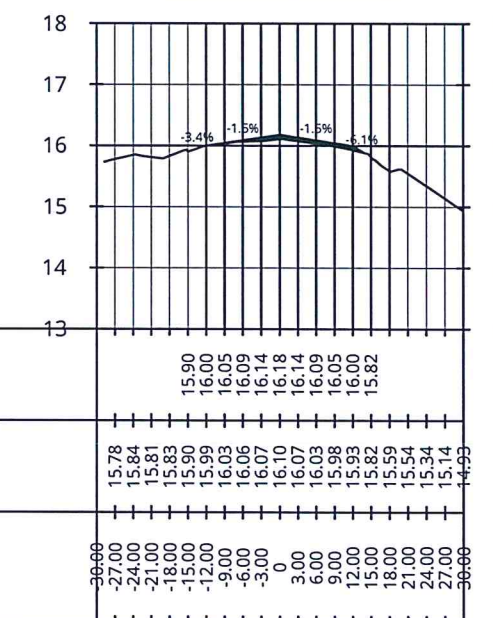
OVERLAY ELEVATIONS

EXISTING ELEVATIONS

OFFSET

STATION 0+016.72

0+020.00



OVERLAY ELEVATIONS

EXISTING ELEVATIONS

OFFSET

STATION 0+020



STATION 0+000 - STATION 0+020

SCALE

HORIZONTAL 1:1200 mts
VERTICAL 1:120 mts



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NOTES/REVISIONS:

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LOCATION:

MASBATE AIRPORT
CITY OF MASBATE,
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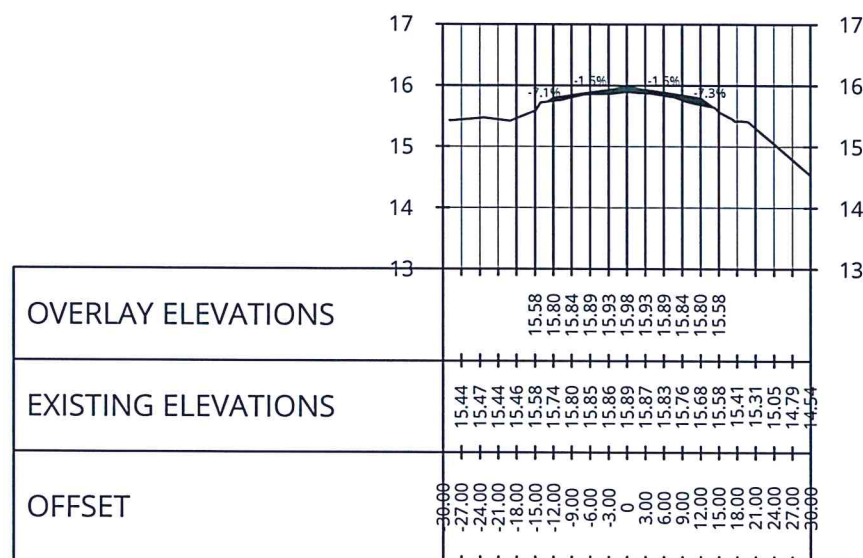
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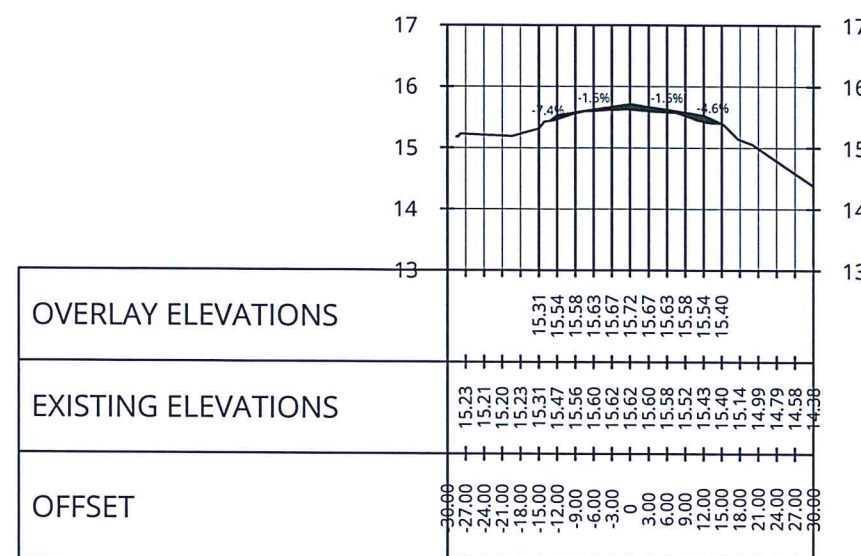
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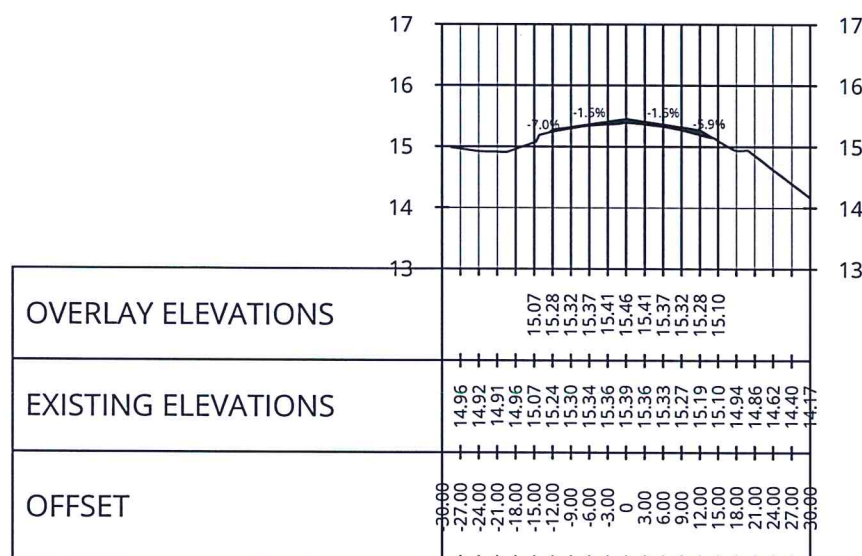
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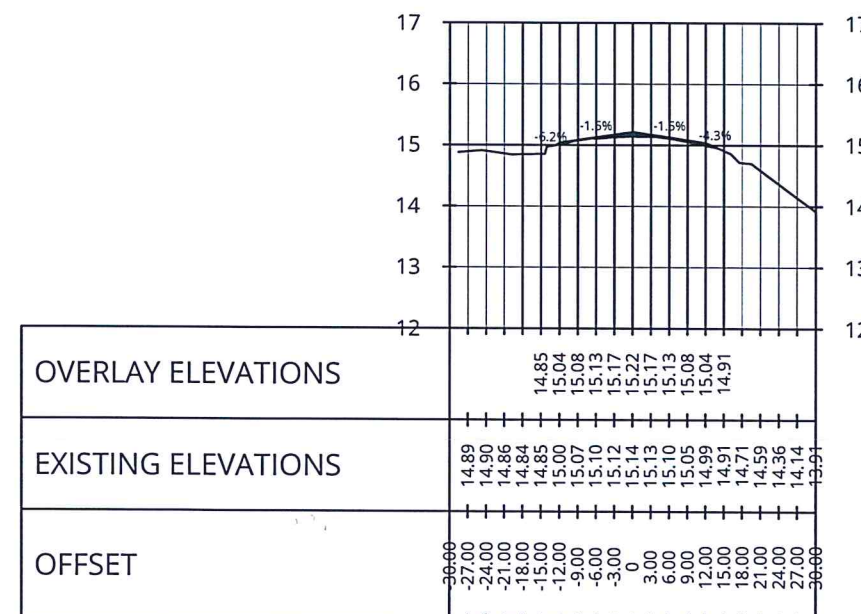
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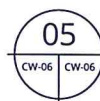


STATION 0+080

0+100.00



STATION 0+100



STATION 0+040 - STATION 0+100

SCALE

HORIZONTAL 1:1200 mts
VERTICAL 1:120 mtsREPUBLIC OF THE PHILIPPINES
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AND DESIGN DIVISION

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NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF
RUNWAY

LOCATION:

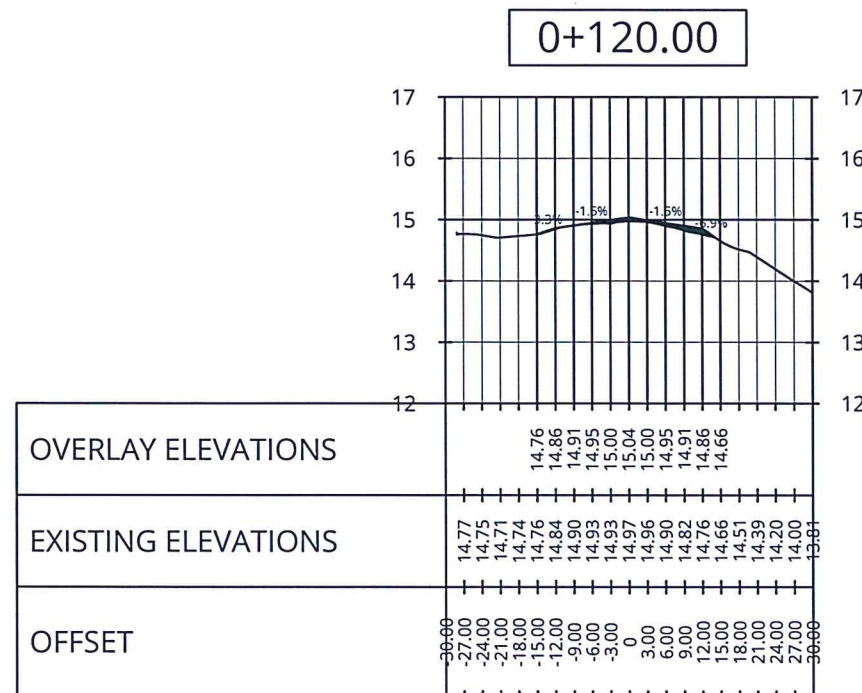
MASBATE AIRPORT
CITY OF MASBATE,
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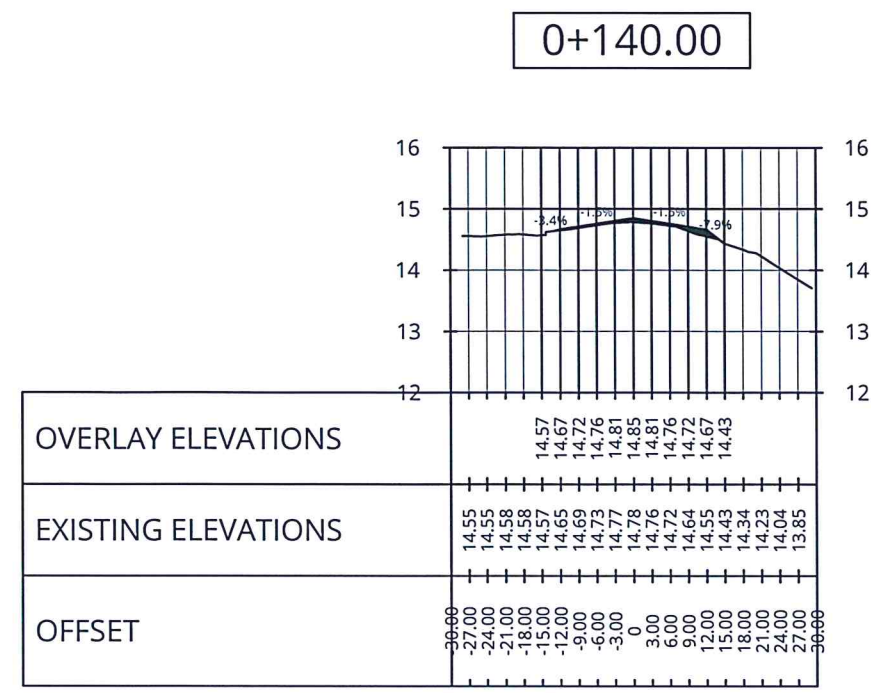
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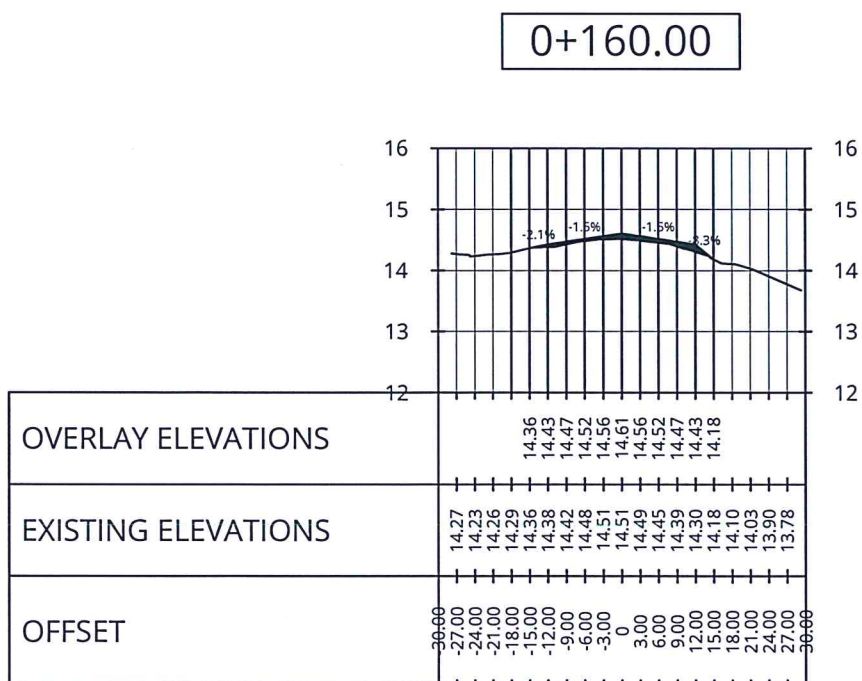
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06 23



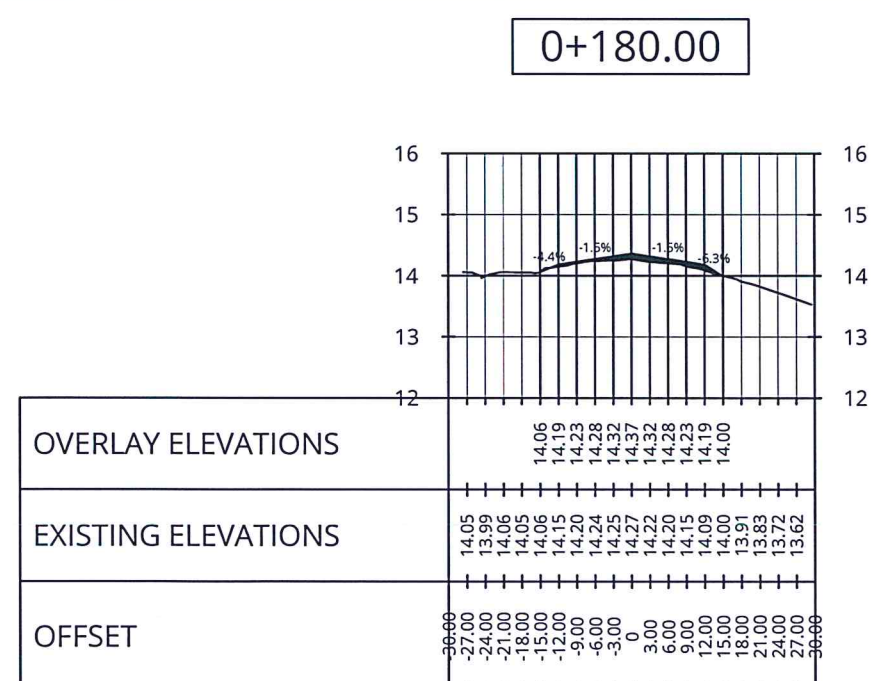
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STATION 0+140



STATION 0+160



STATION 0+180



STATION 0+120 - STATION 0+180

HORIZONTAL SCALE 1:1200 mts
VERTICAL SCALE 1:120 mts



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE

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ASPHALT OVERLAY OF RUNWAY

LOCATION:

MASBATE AIRPORT
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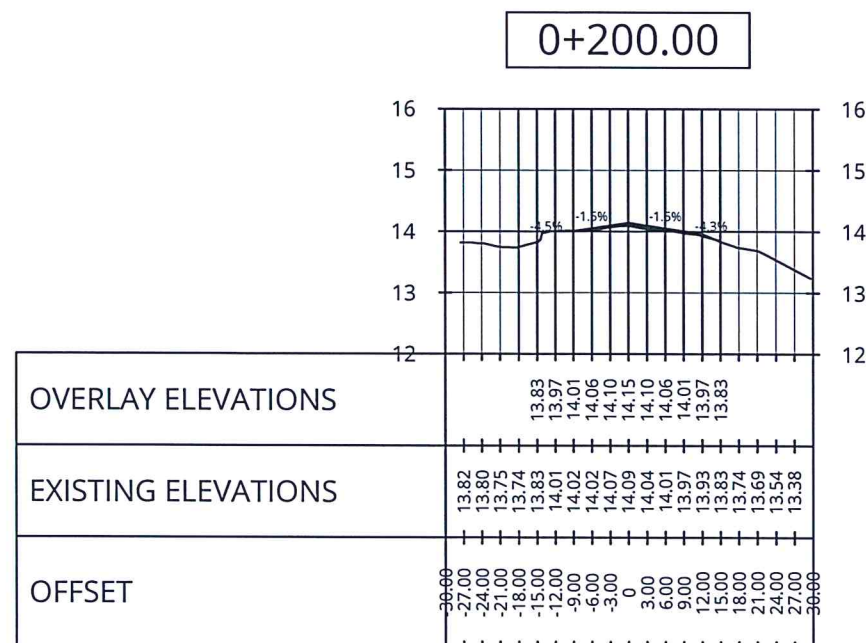
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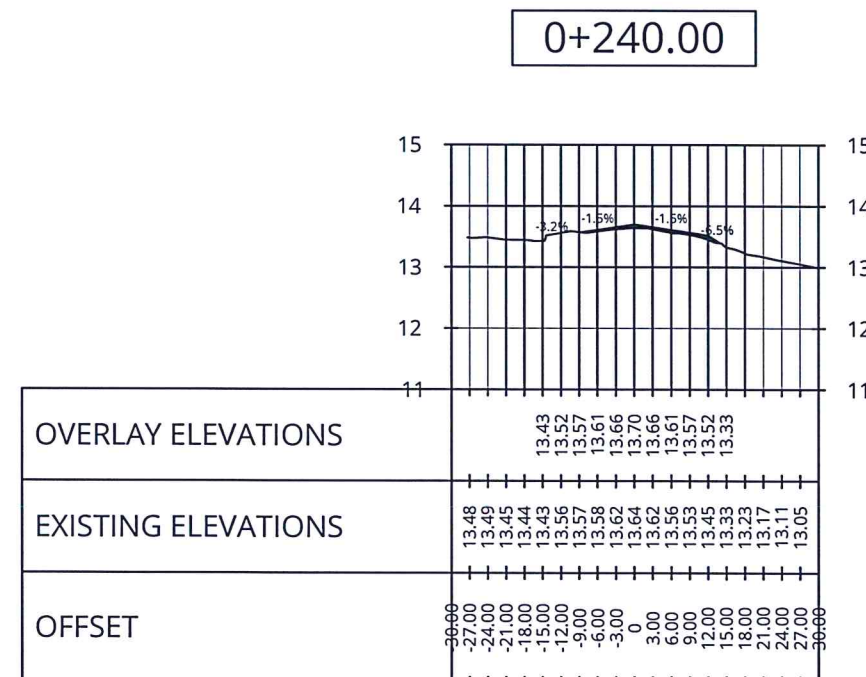
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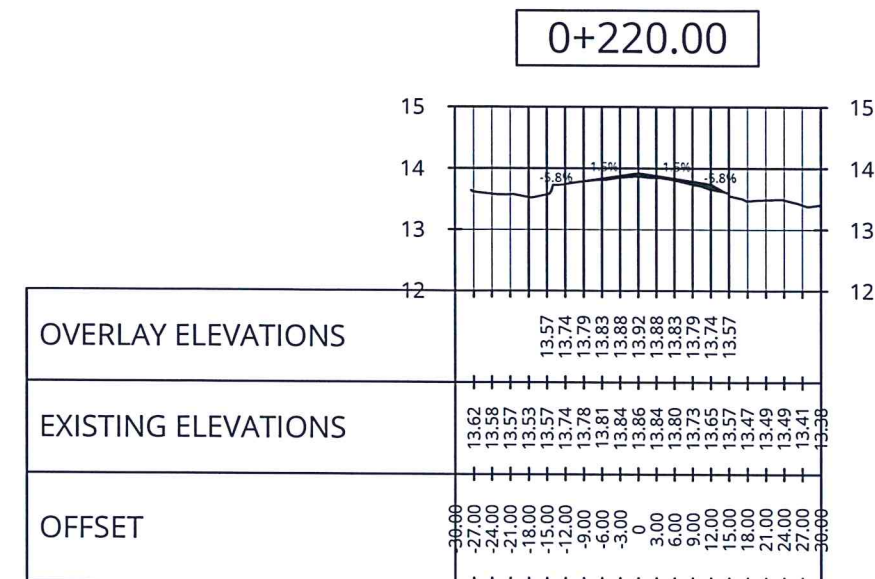
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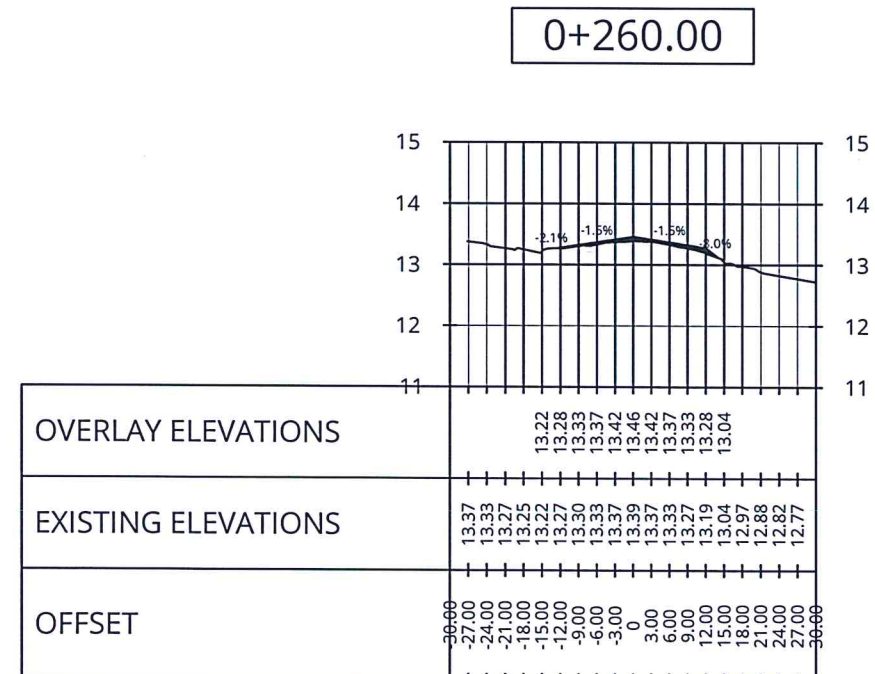
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STATION 0+260



STATION 0+200 - STATION 0+260

SCALE

HORIZONTAL 1:1200 mts
VERTICAL 1:120 mts



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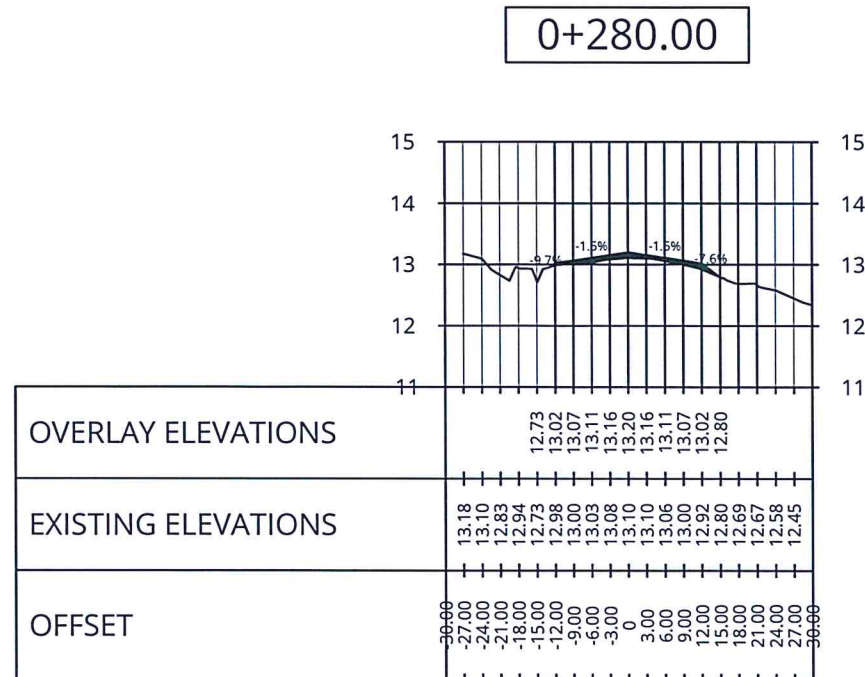
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CITY OF MASBATE,
MASBATE

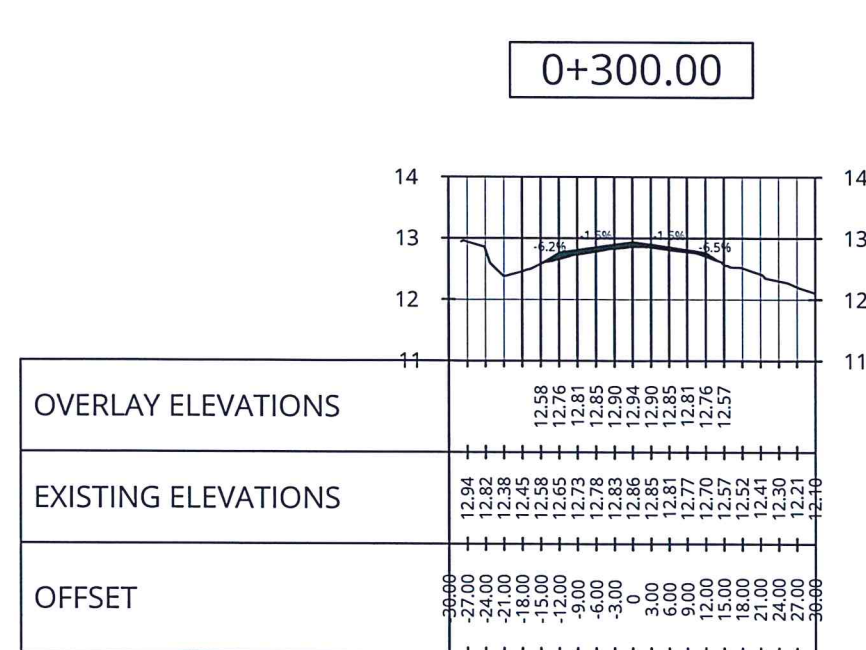
SHEET CONTENTS:

**STATION 0+200 -
STATION 0+260**

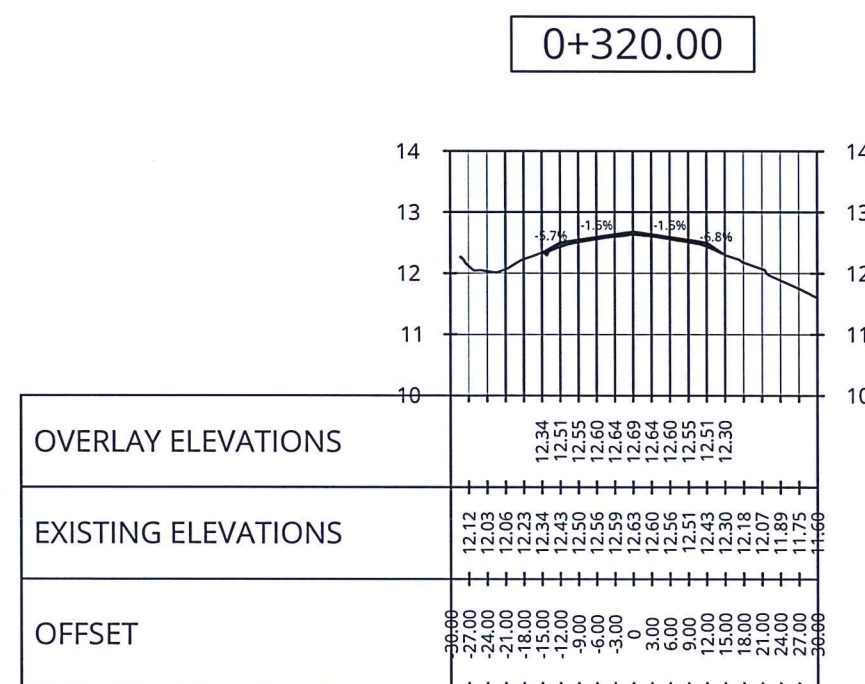
DRAWING SCALE:	SHEET NO:
AS SHOWN	CW-08 08 23



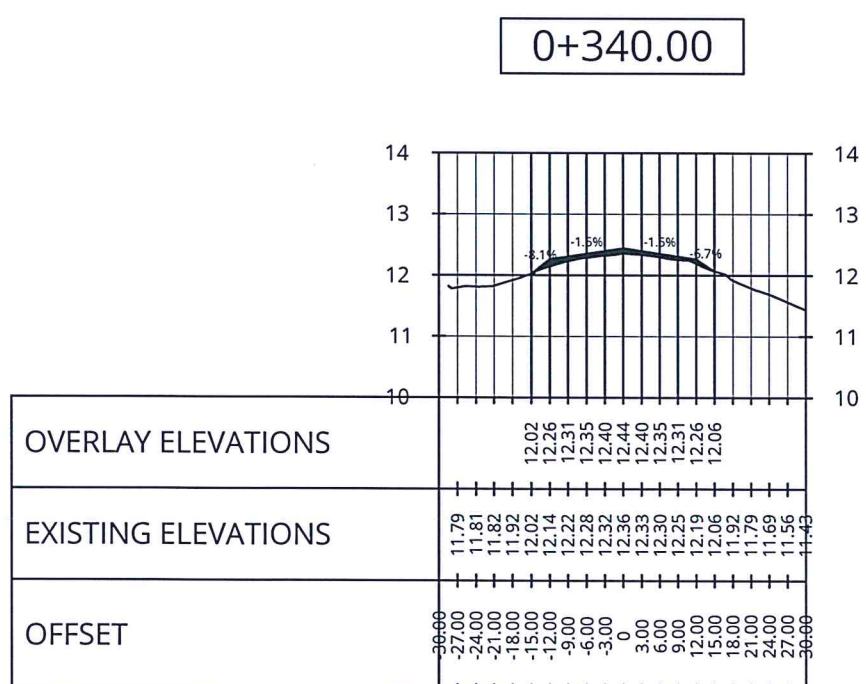
STATION 0+280



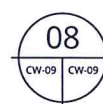
STATION 0+300



STATION 0+320



STATION 0+340



STATION 0+280 - STATION 0+340

SCALE

HORIZONTAL
VERTICAL

1:1200 mts
1:120 mts



REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, 1300 PASAY CITY

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CONSENT FROM THE DIRECTOR GENERAL CAA.

AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	EJDR
DRAWN BY:	VCS
CHECKED BY:	

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

LT COL VALENTINO A DIONELA PAF (RET)
Assistant Director General II, ADMS

APPROVED BY:

LTGEN RAUL L DEL ROSARIO AFP (RET)
Director General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF
RUNWAY

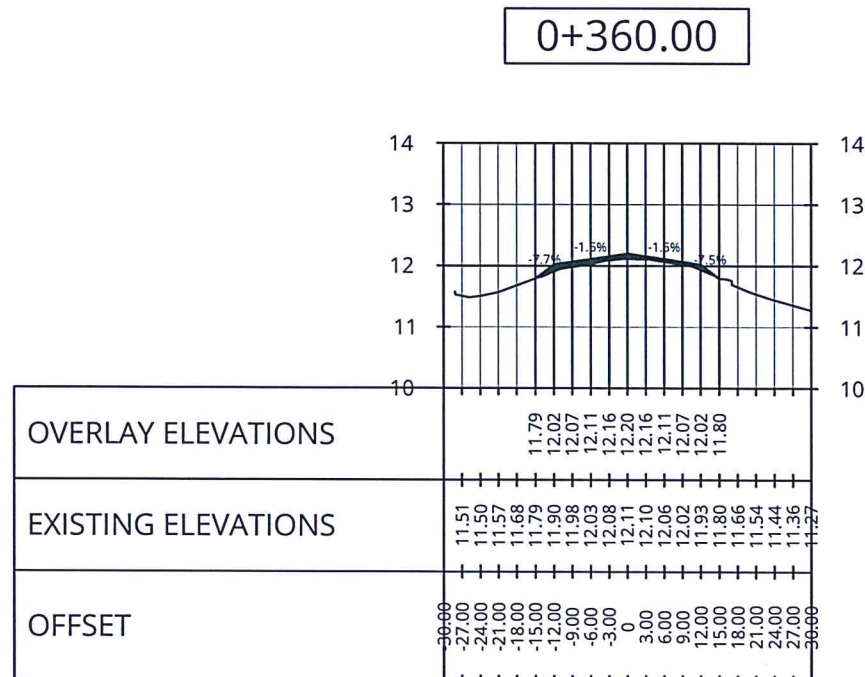
LOCATION:

MASBATE AIRPORT
CITY OF MASBATE,
MASBATE

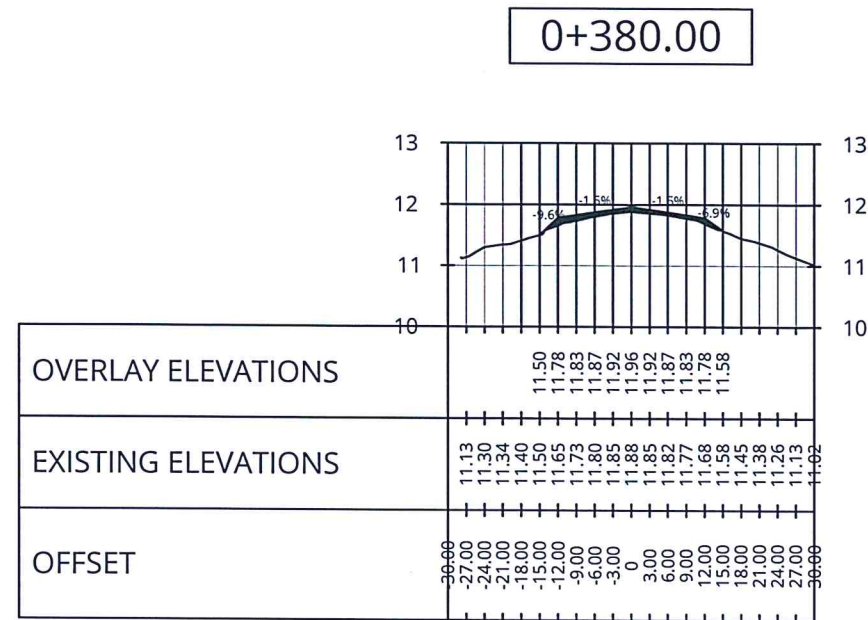
SHEET CONTENTS:

STATION 0+280 -
STATION 0+340

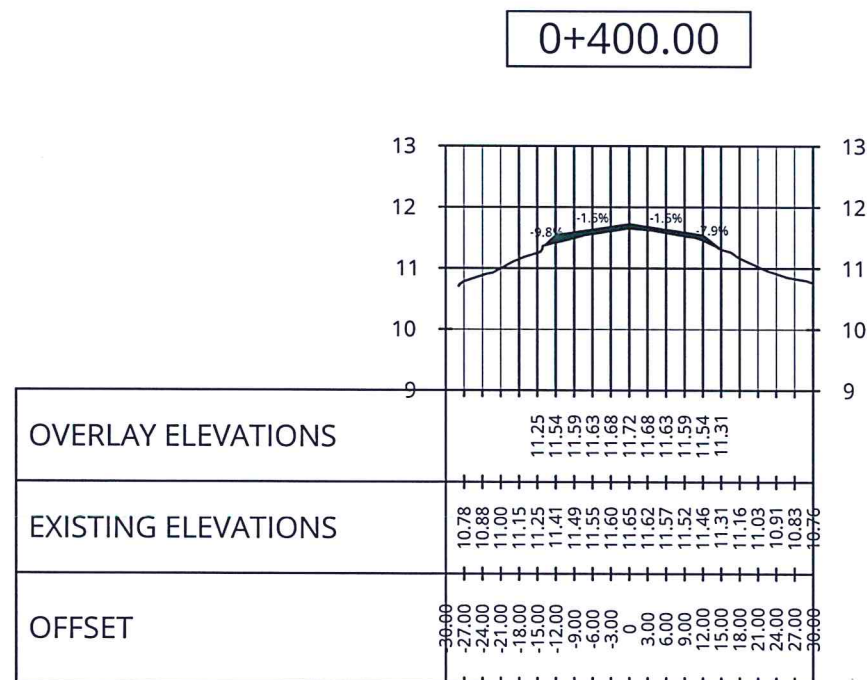
DRAWING SCALE: AS SHOWN
SHEET NO: CW-09
09 23



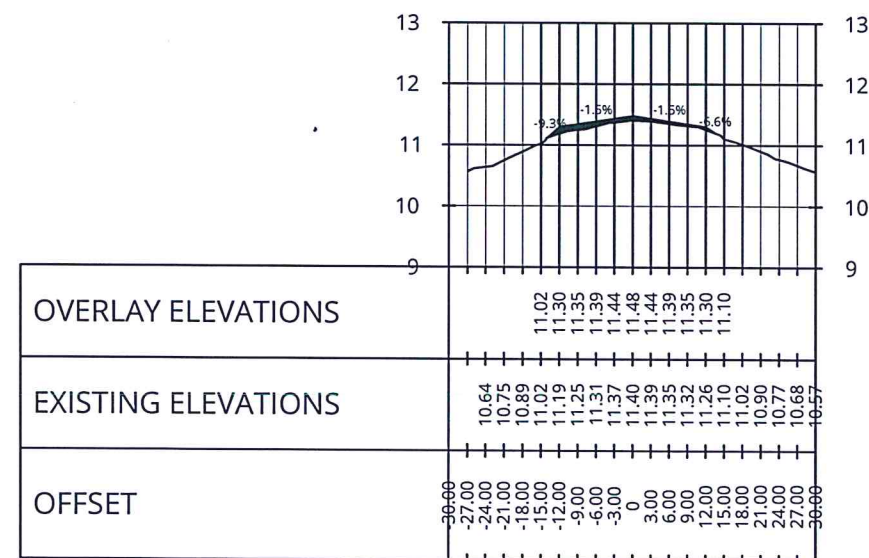
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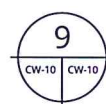
STATION 0+380



STATION 0+400



STATION 0+420



STATION 0+360 - STATION 0+420

SCALE

HORIZONTAL 1:1200 mts
VERTICAL 1:120 mts



REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, 1300 PASAY CITY

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE

DESIGNED BY: SJDJR

DRAWN BY: VCS

CHECKED BY:

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

LTCOL VALENTINO A DIONELA PAF (RET)
Assistant Director General II, ADMS

APPROVED BY:

LTGEN RAUL U. DEL ROSARIO AFP (RET)
Director General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF RUNWAY

LOCATION:

MASBATE AIRPORT
CITY OF MASBATE,
MASBATE

SHEET CONTENTS:

STATION 0+360 -
STATION 0+420

DRAWING SCALE: SHEET NO:

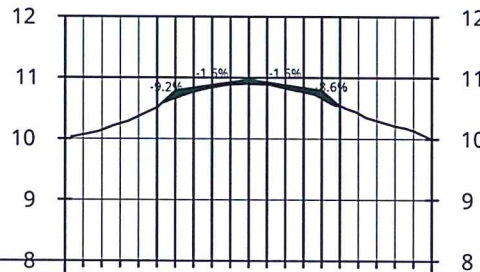
AS SHOWN CW-10
10 23



EXISTING ELEVATIONS

OFFSET

0+480.00



EXISTING ELEVATIONS

OFFSET



STATION 0+440 - STATION 0+500

SCALE

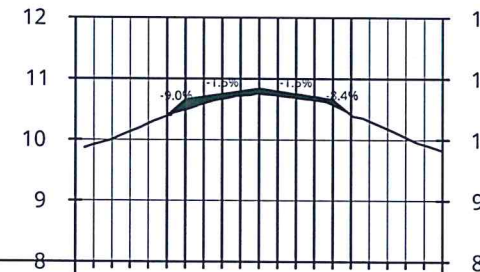
HORIZONTAL	1:1200 mts
VERTICAL	1:120 mts



EXISTING ELEVATIONS

OFFSET

0+500.00



EXISTING ELEVATIONS

OFFSET



BACONG PILIPINAS
REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, 1300 PASAY CITY

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AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
---------------	----------------

DESIGNED BY:	EJDJR	
--------------	-------	--

DRAWN BY:	VCS	
-----------	-----	--

CHECKED BY:	X	
-------------	---	--

REVIEWED BY:


RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

LTCOL VALENTINO A DIONELA PAF (RET)
Assistant Director General II, ADMS

APPROVED BY:

LTGEN RAUL L DEL ROSARIO AFP (RET)
Director General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF
RUNWAY

LOCATION:

MASBATE AIRPORT
CITY OF MASBATE,
MASBATE

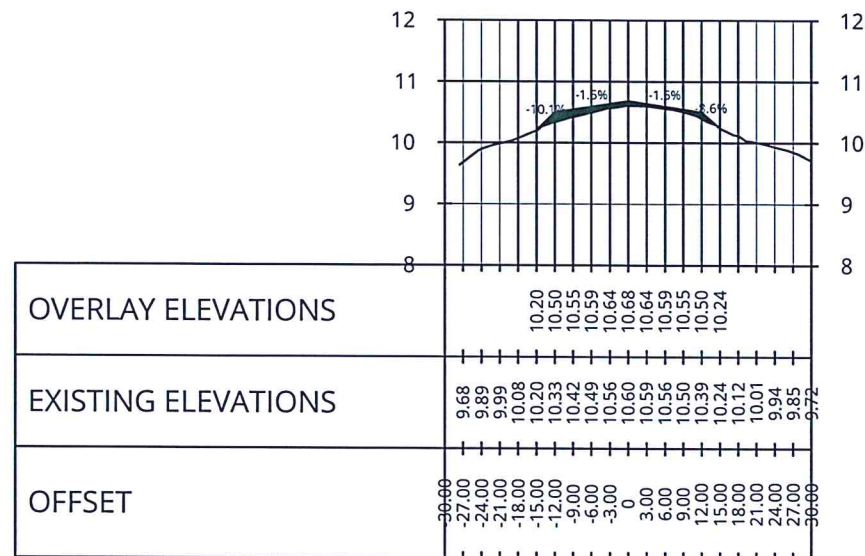
SHEET CONTENTS:	
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STATION 0+440 -
STATION 0+500

DRAWING SCALE:	SHEET NO:
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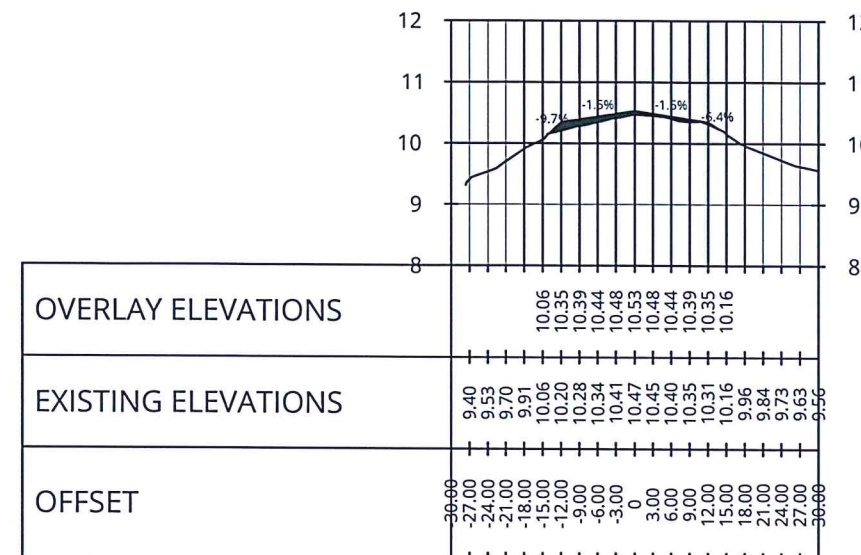
AS SHOWN	CW-11	
	11	23

0+520.00



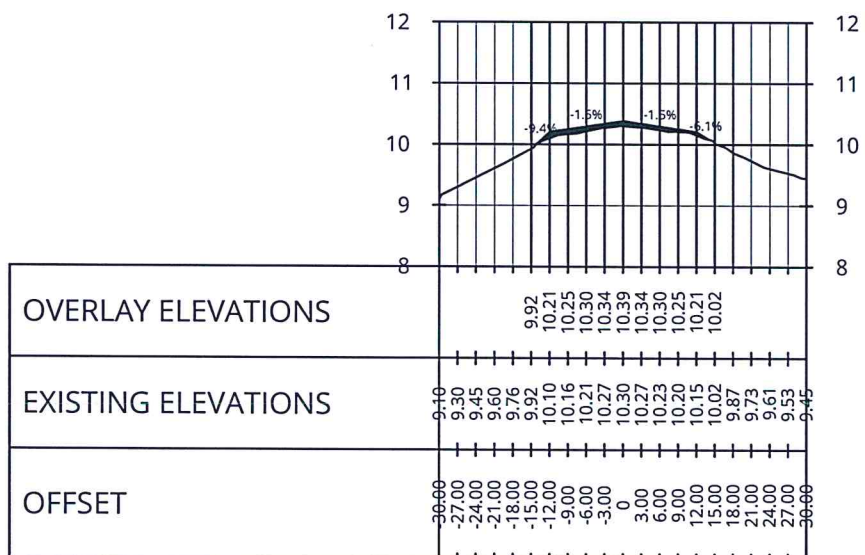
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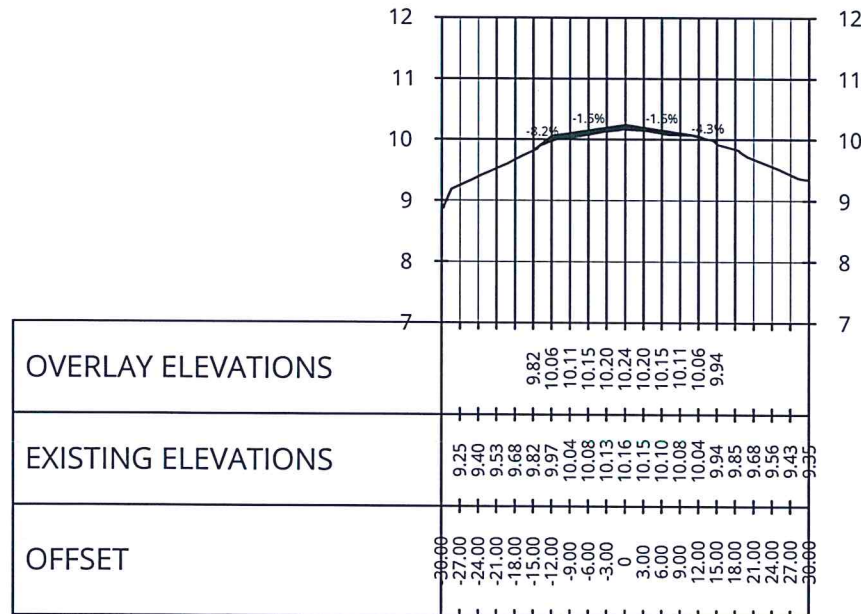
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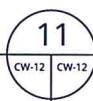


STATION 0+560

0+580.00



STATION 0+580



STATION 0+520 - STATION 0+580

HORIZONTAL 1:1200 mts
VERTICAL 1:120 mtsREPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, 1300 PASAY CITYTHIS DRAWING AND DESIGN IS EXCLUSIVE
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CONSENT FROM THE DIRECTOR GENERAL CAAP.AERODROME DEVELOPMENT
AND MANAGEMENT SERVICEINFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	SDJR
DRAWN BY:	VCS
CHECKED BY:	

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AEDSUBMITTED BY:

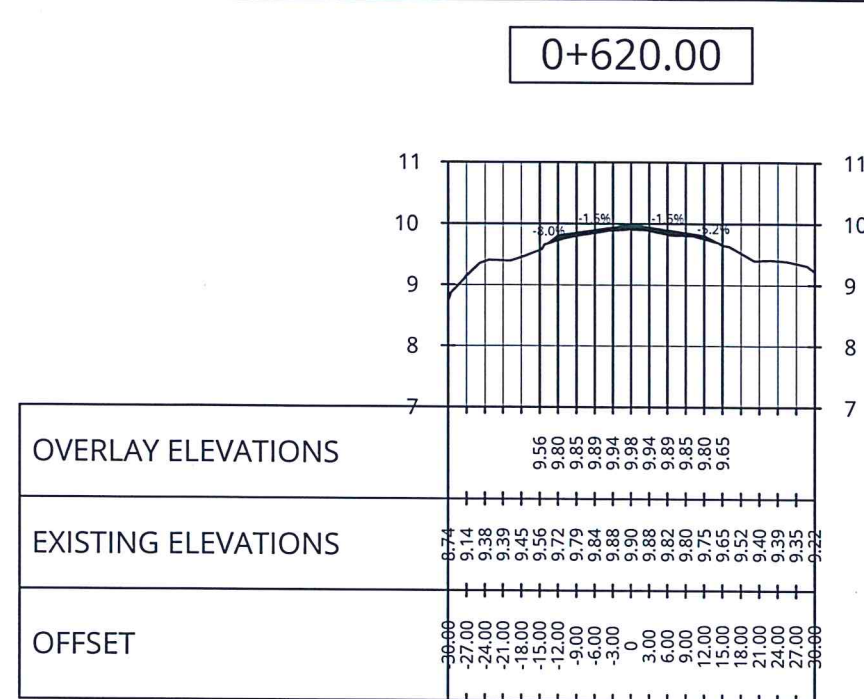
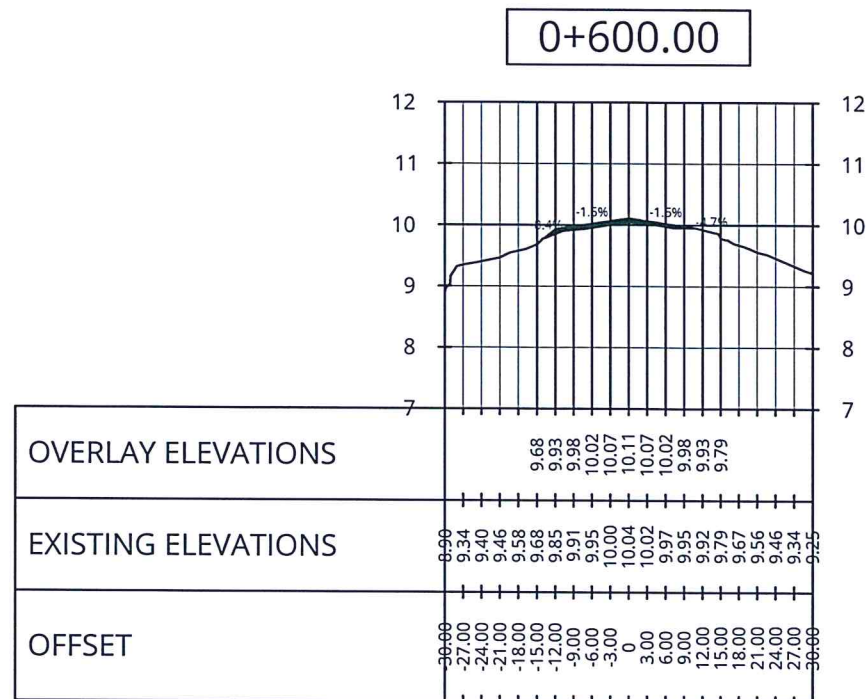
ARNEL F. BORLADO
Department Manager III, AED-ADMSRECOMMEND APPROVAL:

LT COL VALENTINO A DIONELA PAF (RET)
Assistant Director General II, ADMSAPPROVED BY:

LT GEN RAUL L DEL ROSARIO AFP (RET)
Director GeneralNOTES/REVISIONS:

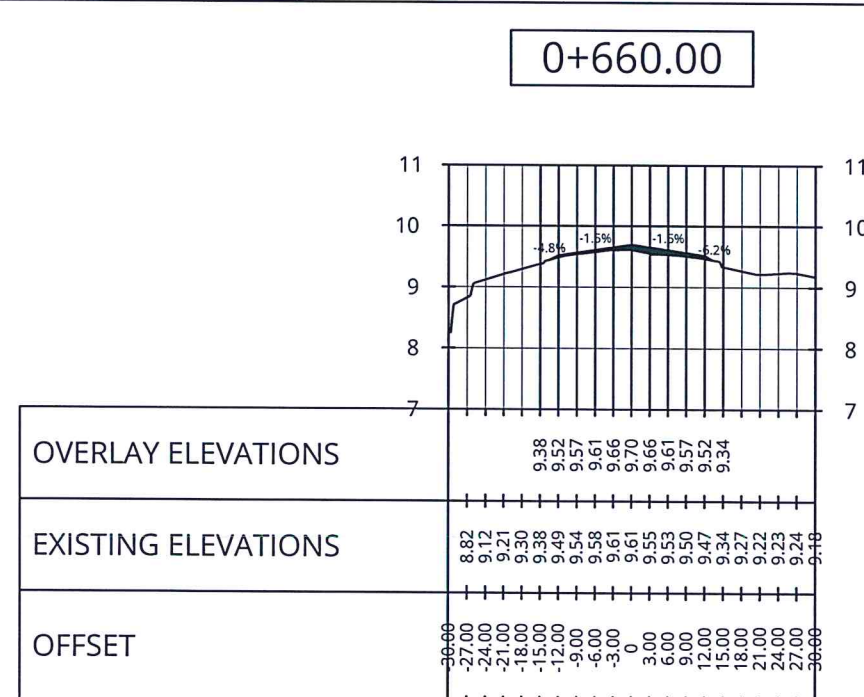
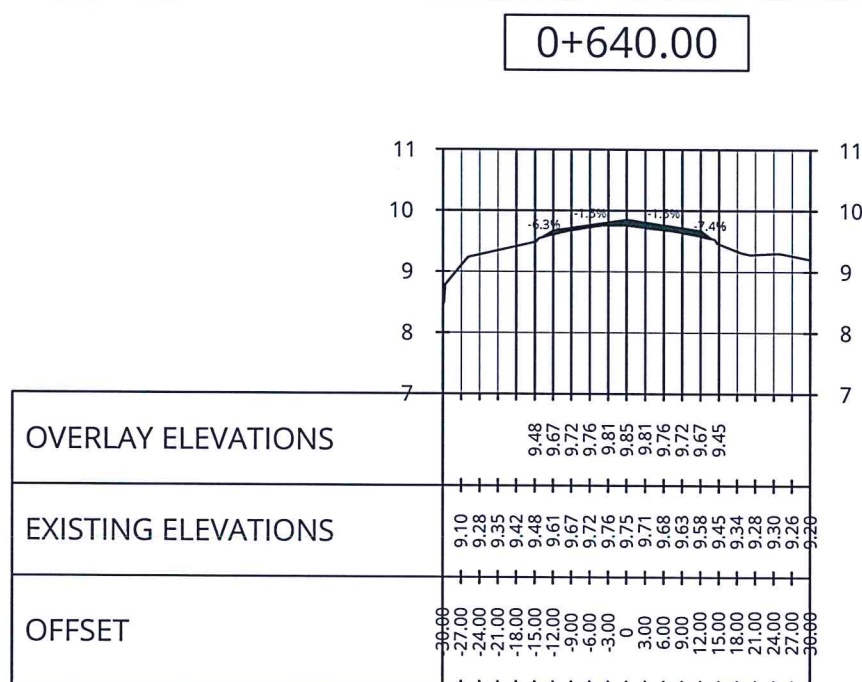
PROJECT:
ASPHALT OVERLAY OF
RUNWAYLOCATION:
MASBATE AIRPORT
CITY OF MASBATE,
MASBATESHEET CONTENTS:
STATION 0+520 -
STATION 0+580

DRAWING SCALE:	SHEET NO:
AS SHOWN	CW-12
	12 23



STATION 0+600

STATION 0+620



STATION 0+640

STATION 0+660



STATION 0+600 - STATION 0+660

HORIZONTAL 1:1200 mts
VERTICAL 1:120 mts



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE

DESIGNED BY: EJDJR

DRAWN BY: VCS

CHECKED BY:

REVIEWED BY:

RAUL R. CRUCENA
Division Chief, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

LT COL VALENTINO A DIONELA PAF (RET)
Assistant Director General II, ADMS

APPROVED BY:

LT GEN RAUL L DEL ROSARIO AFP (RET)
Director General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF RUNWAY

LOCATION:

MASBATE AIRPORT
CITY OF MASBATE,
MASBATE

SHEET CONTENTS:

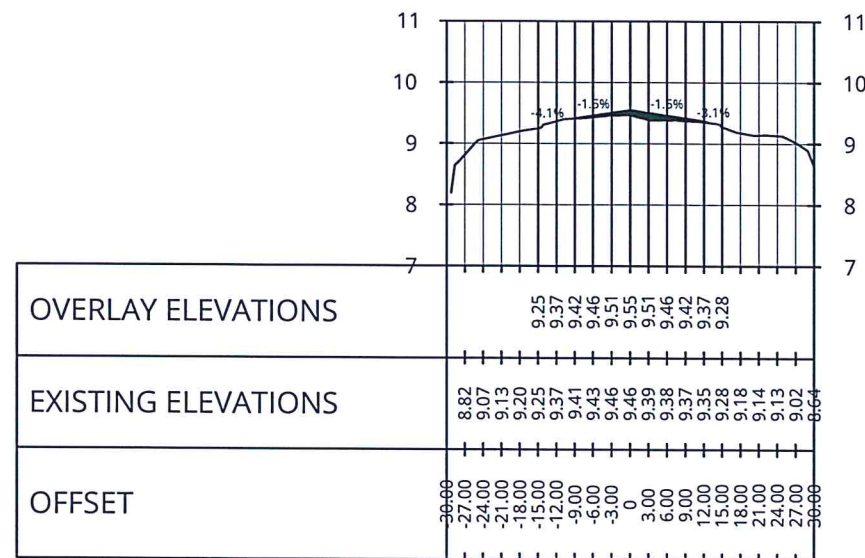
STATION 0+600 -
STATION 0+660

DRAWING SCALE: SHEET NO:

AS SHOWN CW-13

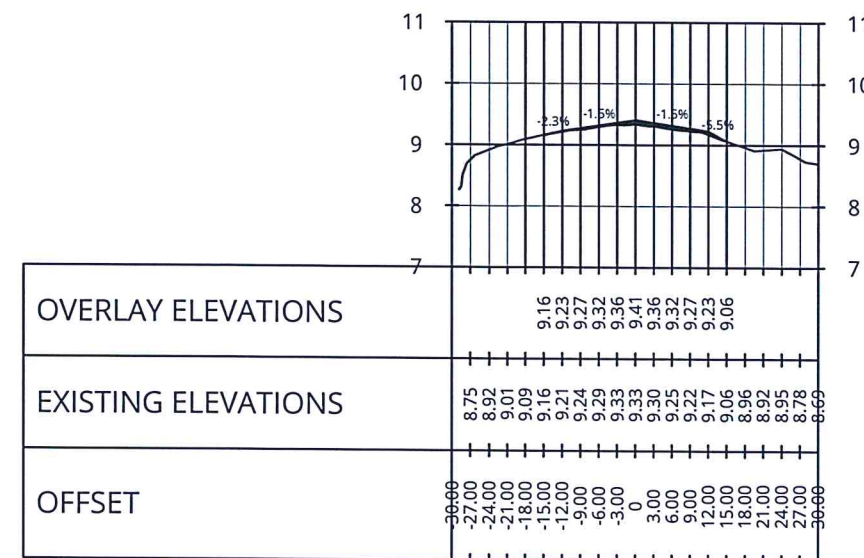
13 23

0+680.00



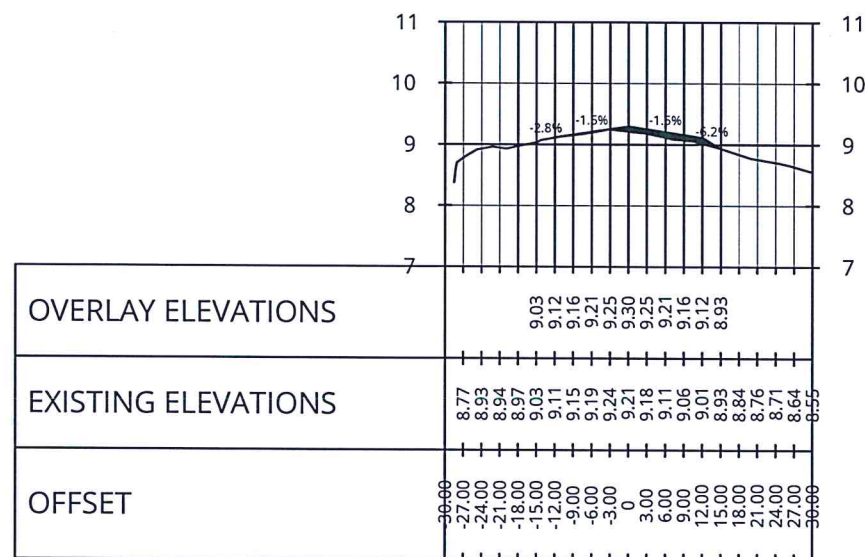
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0+700.00



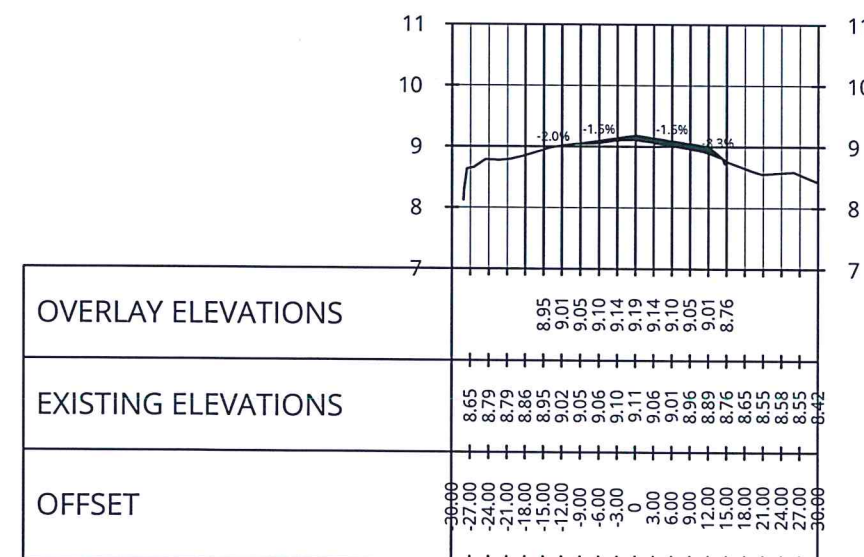
STATION 0+700

0+720.00



STATION 0+720

0+740.00



STATION 0+740



STATION 0+680 - STATION 0+740

HORIZONTAL 1:1200 mts
VERTICAL 1:120 mts



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE

DESIGNED BY: EDR

DRAWN BY: VCS

CHECKED BY:

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

LTCOL VALENTINO A DIONELA PAF (RET)
Assistant Director General II, ADMS

APPROVED BY:

LTGEN RAUL L. ROSARIO AFP (RET)
Director General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF RUNWAY

LOCATION:

MASBATE AIRPORT
CITY OF MASBATE,
MASBATE

SHEET CONTENTS:

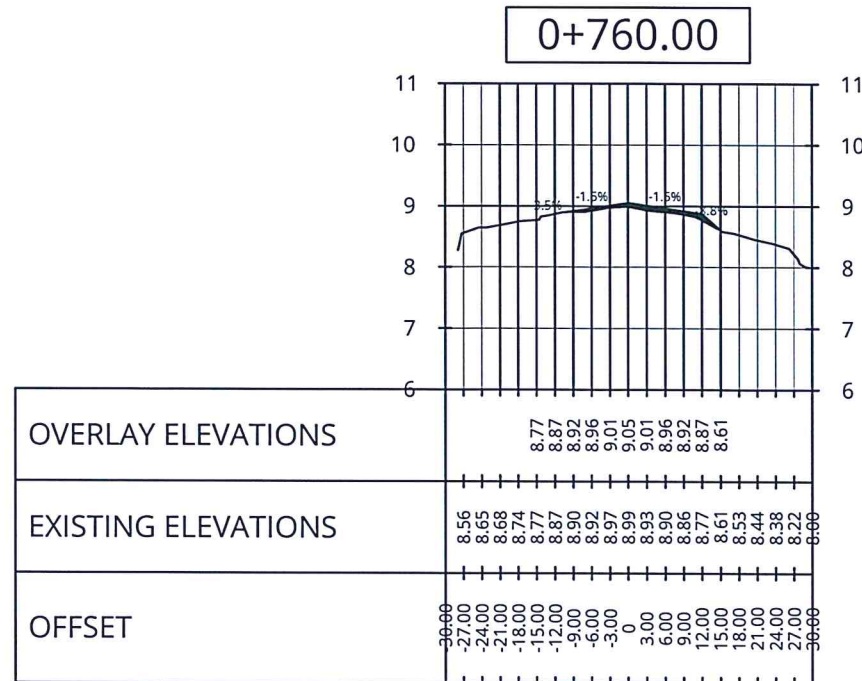
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STATION 0+740

DRAWING SCALE:

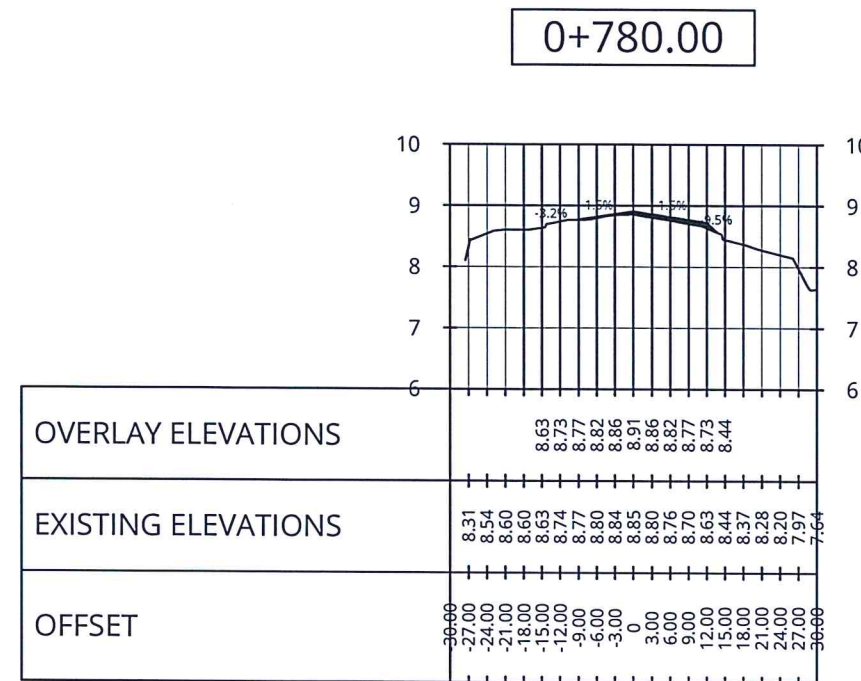
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AS SHOWN

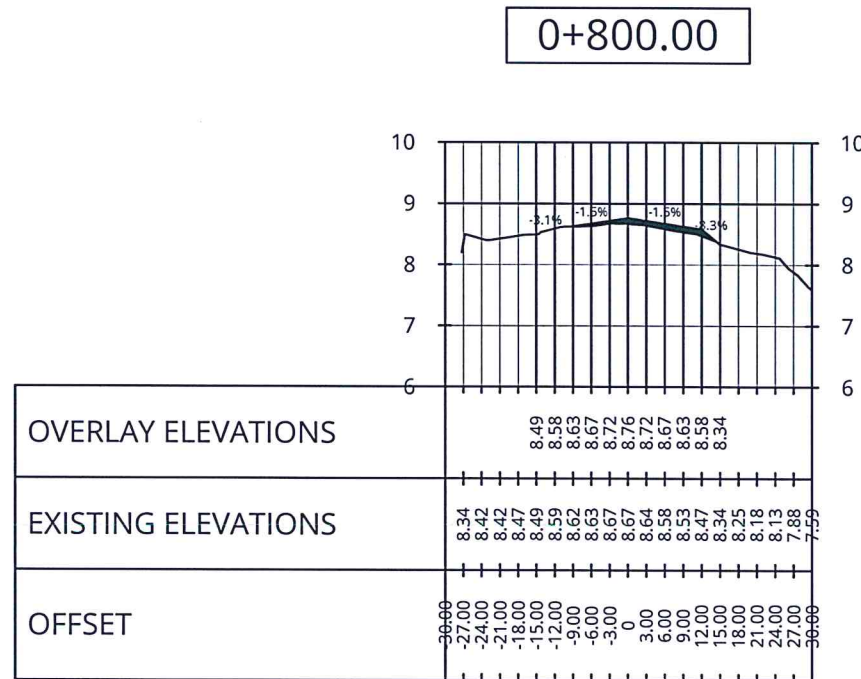
14 23



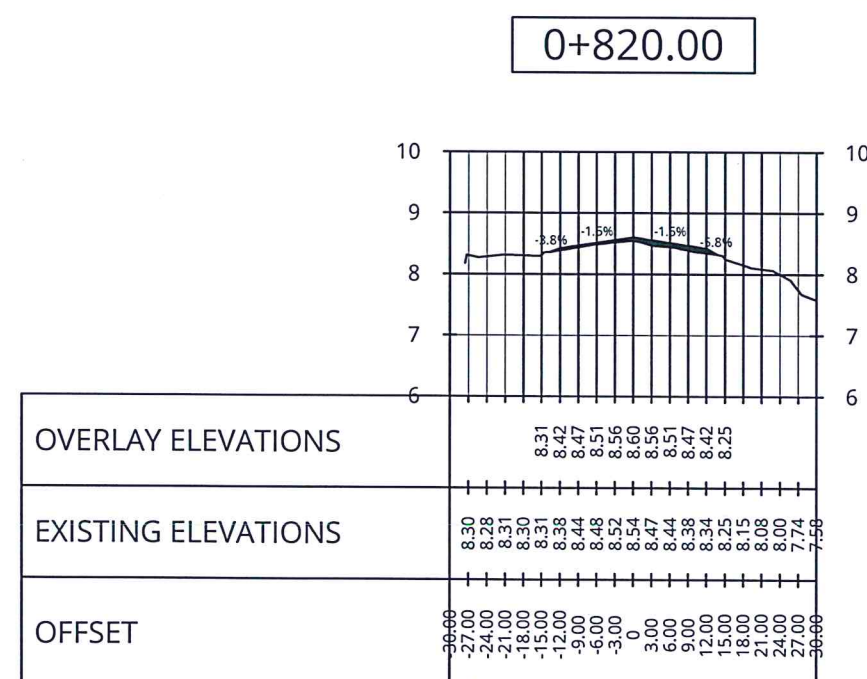
STATION 0+760



STATION 0+780



STATION 0+800



STATION 0+820



STATION 0+760 - STATION 0+820

SCALE

HORIZONTAL 1:1200 mts
VERTICAL 1:120 mts



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CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
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AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE

DESIGNED BY: EJDJR

DRAWN BY: VCS

CHECKED BY:

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

LT COL VALENTINO A DIONELA PAF (RET)
Assistant Director General II, ADMS

APPROVED BY:

LTGEN RAUL U. DEL ROSARIO AFP (RET)
Director General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF
RUNWAY

LOCATION:

MASBATE AIRPORT
CITY OF MASBATE,
MASBATE

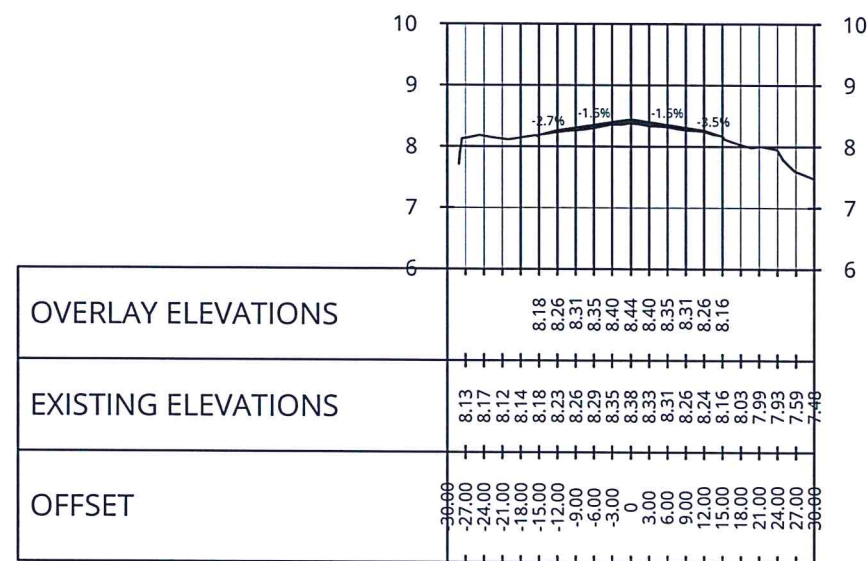
SHEET CONTENTS:

**STATION 0+760 -
STATION 0+820**

DRAWING SCALE: SHEET NO:

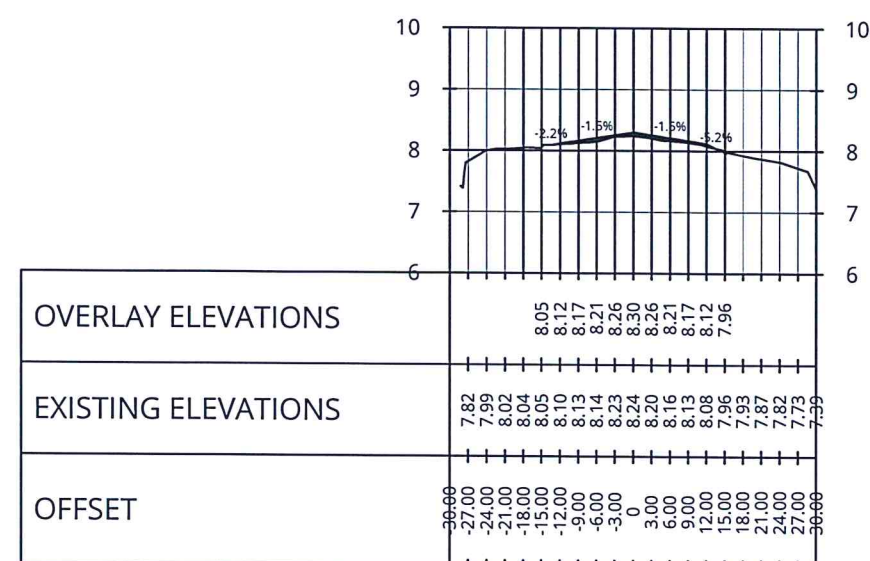
AS SHOWN CW-15
15 23

0+840.00



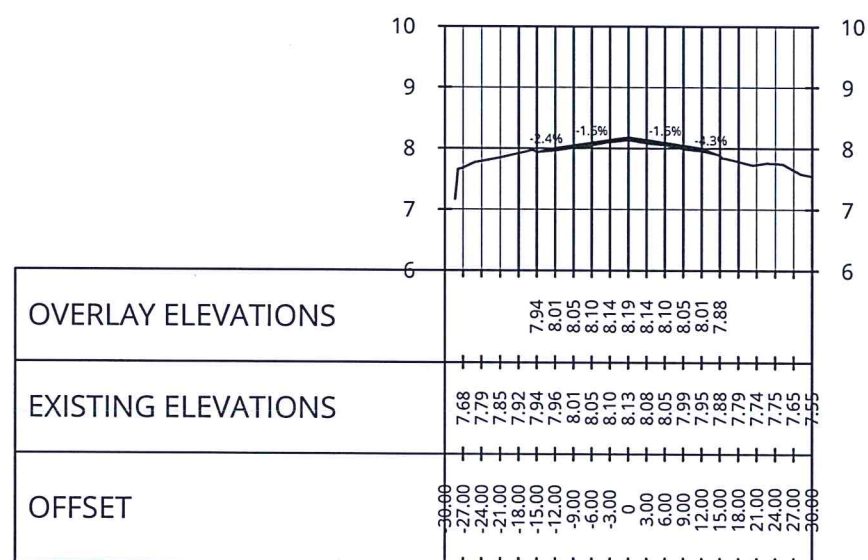
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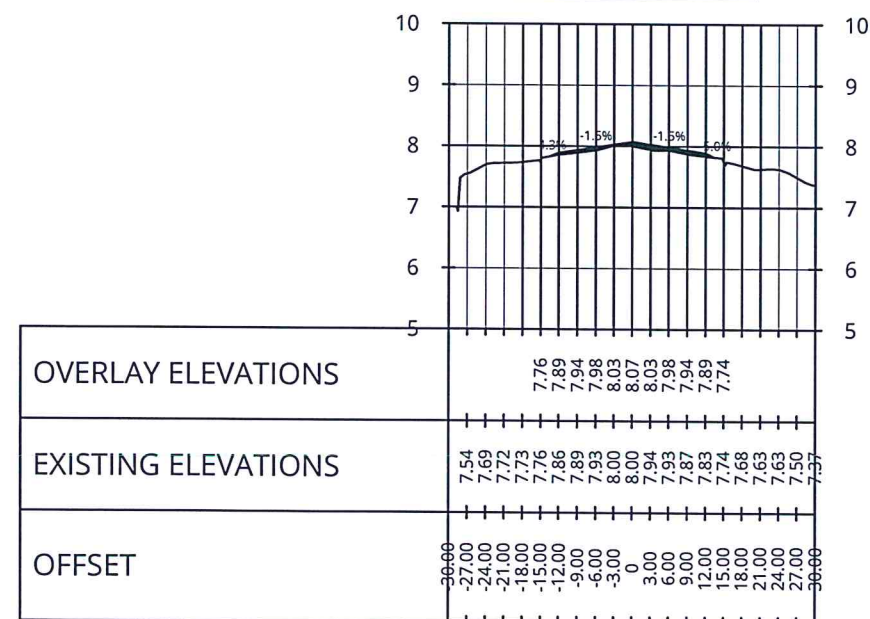
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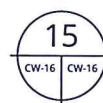


STATION 0+880

0+900.00



STATION 0+900



STATION 0+840 - STATION 0+900

SCALE

HORIZONTAL 1:1200 mts
VERTICAL 1:120 mtsREPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, 1500 PASAY CITYTHIS DRAWINGS AND DESIGN IS EXCLUSIVE
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CONSENT FROM THE DIRECTOR GENERAL CAAP.AERODROME DEVELOPMENT
AND MANAGEMENT SERVICEINFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	EJDR
DRAWN BY:	VCS
CHECKED BY:	

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AEDSUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMSRECOMMEND APPROVAL:

LTCOL VALENTINO A DIONELA PAF (RET)
Assistant Director General II, ADMSAPPROVED BY:

LTGEN RAUL L DEL ROSARIO AFP (RET)
Director GeneralNOTES/REVISIONS:

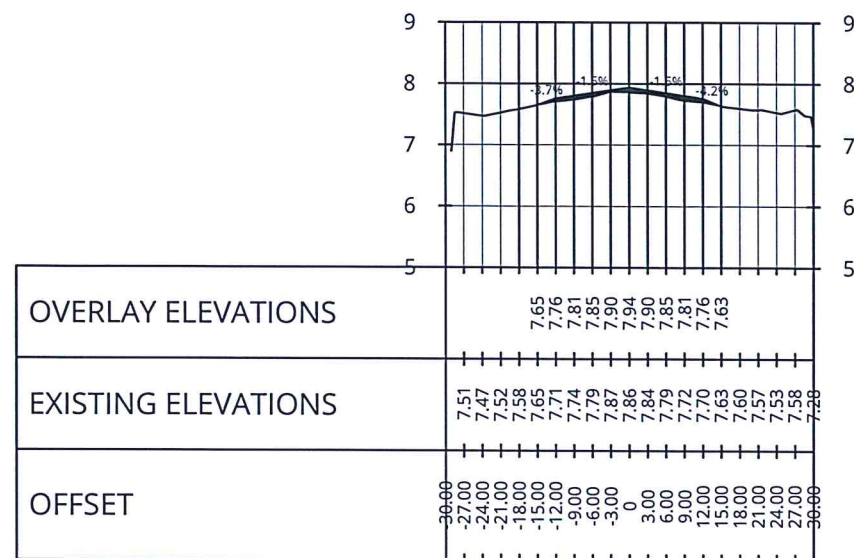
PROJECT:

ASPHALT OVERLAY OF
RUNWAYLOCATION:

MASBATE AIRPORT
CITY OF MASBATE,
MASBATESHEET CONTENTS:

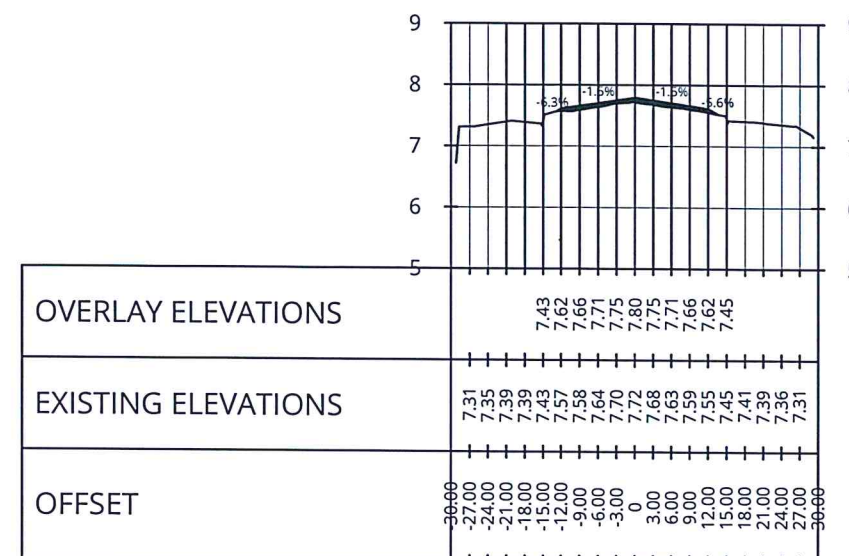
STATION 0+840 -
STATION 0+900DRAWING SCALE: SHEET NO:
AS SHOWN CW-16
16 23

0+920.00



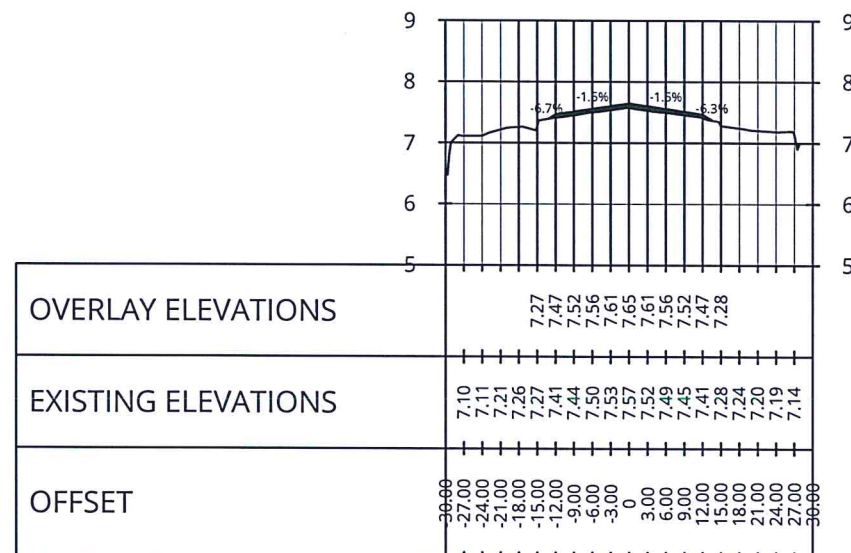
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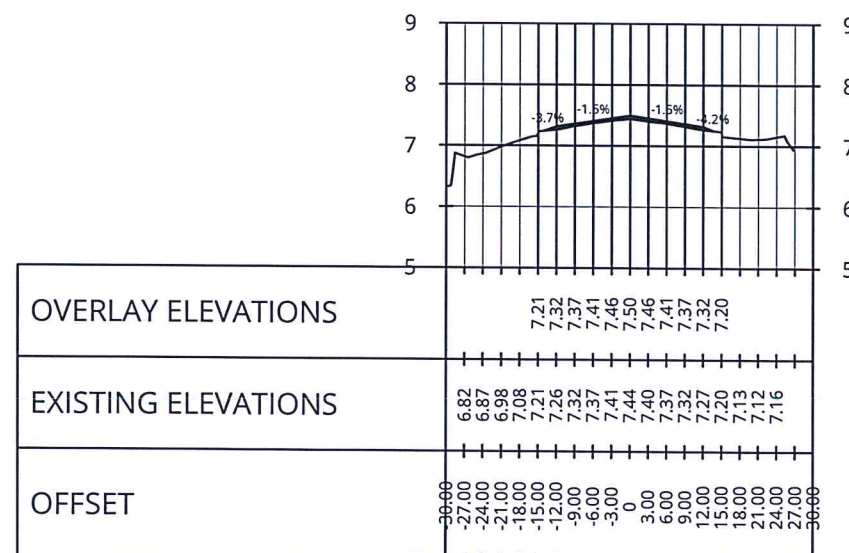
STATION 0+940

0+960.00



STATION 0+960

0+980.00



STATION 0+980



STATION 0+920 - STATION 0+980

SCALE

HORIZONTAL 1:1200 mts
VERTICAL 1:120 mtsREPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NINJA ROAD, 1500 PASAY CITYTHIS DRAWINGS AND DESIGN IS EXCLUSIVE
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AND MANAGEMENT SERVICEINFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	EJDR
DRAWN BY:	VCS
CHECKED BY:	

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

LT COL VALENTINO A DIONELA PAF (RET)
Assistant Director General II, ADMS

APPROVED BY:

LTGEN RAUL L DEL ROSARIO AFP (RET)
Director General

NOTES/REVISIONS:

PROJECT:

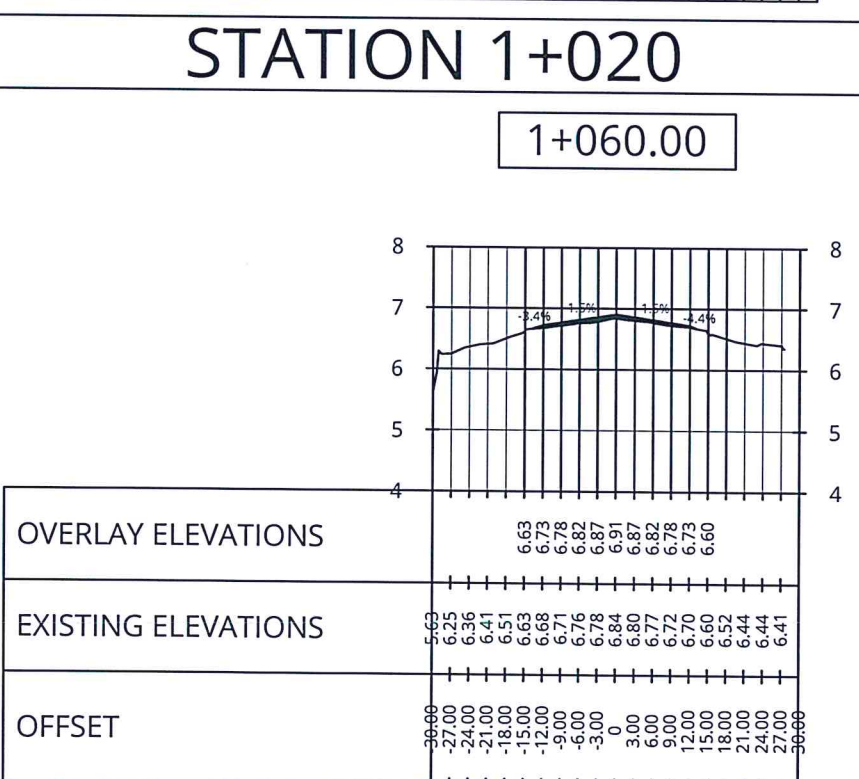
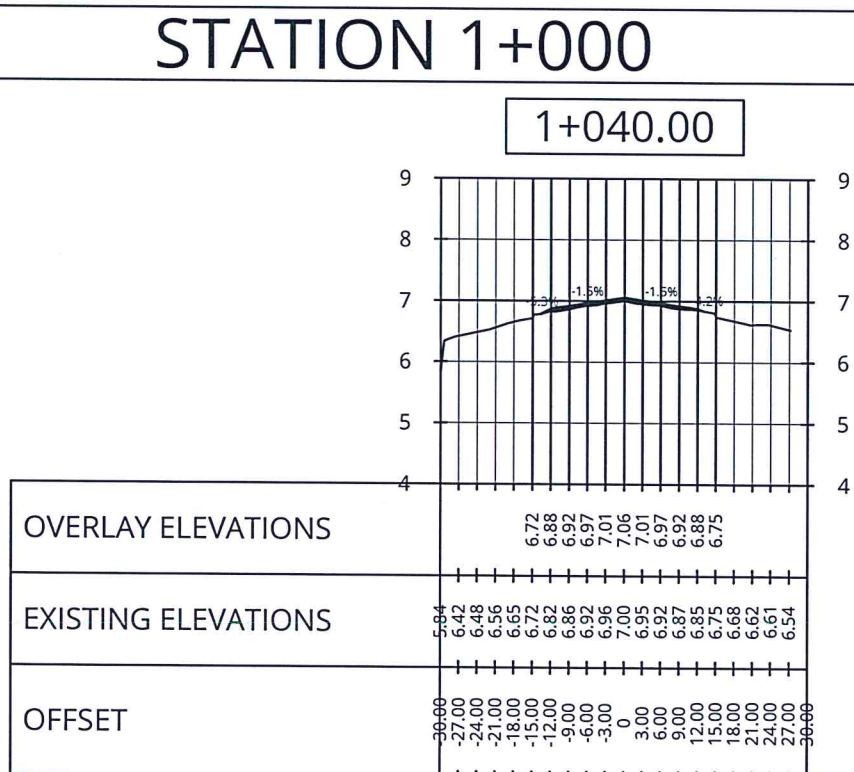
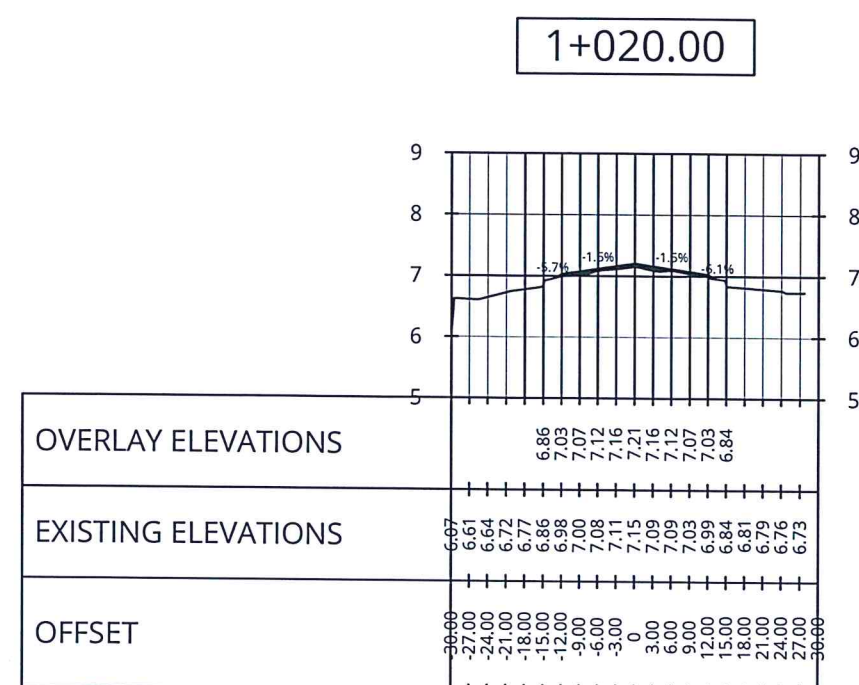
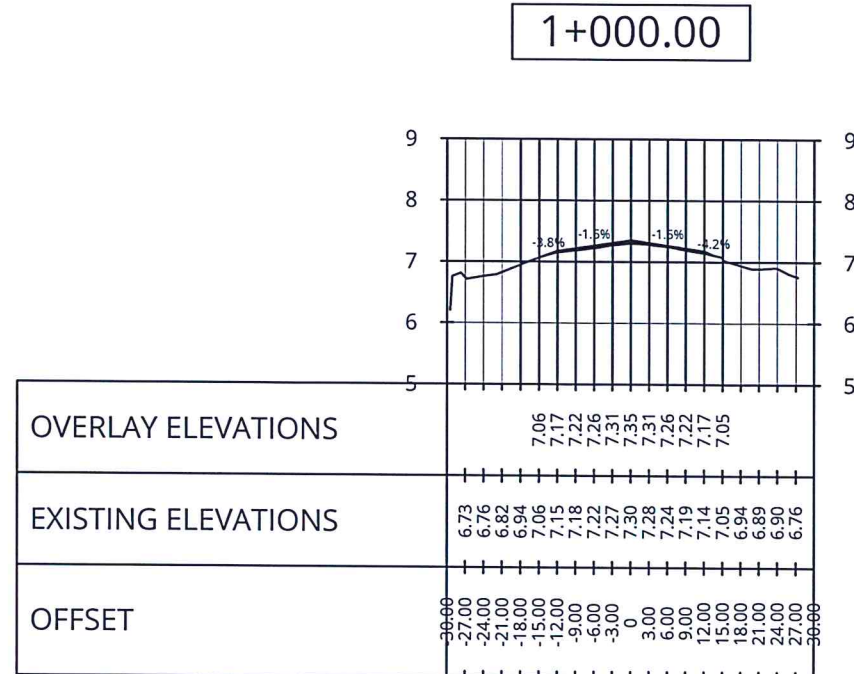
ASPHALT OVERLAY OF
RUNWAY

LOCATION:

MASBATE AIRPORT
CITY OF MASBATE,
MASBATE

SHEET CONTENTS:

STATION 0+920 -
STATION 0+980DRAWING SCALE: SHEET NO:
AS SHOWN CW-17
17 23



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CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, 1300 PASAY CITY

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	EJDR
DRAWN BY:	VCS
CHECKED BY:	

REVIEWED BY:

RAUL R. CRUCENA
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Assistant Director General II, ADMS

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Director General

NOTES/REVISIONS:

PROJECT:
ASPHALT OVERLAY OF RUNWAY

LOCATION:
MASBATE AIRPORT
CITY OF MASBATE,
MASBATE

SHEET CONTENTS:

STATION 1+000 -
STATION 1+060

DRAWING SCALE:	SHEET NO.
AS SHOWN	CW-18
	18 23

STATION 1+000

STATION 1+020

STATION 1+040

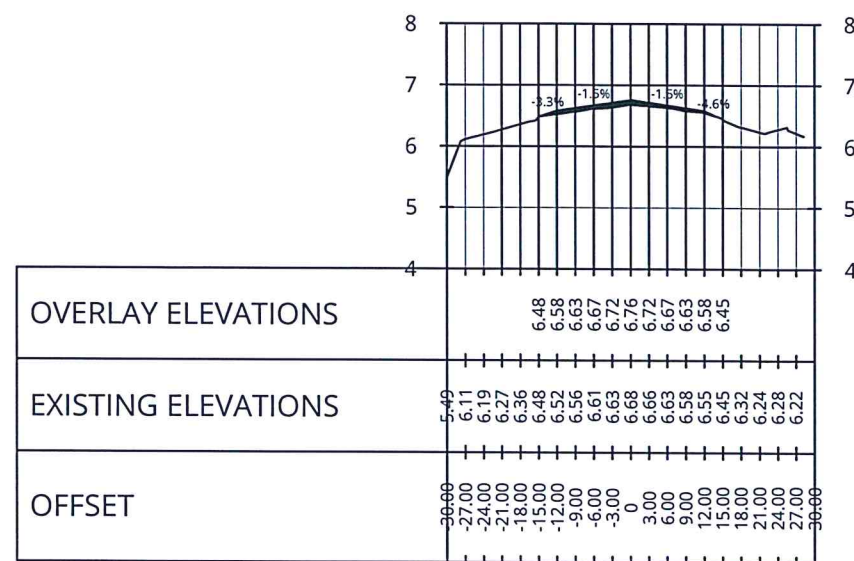
STATION 1+060



STATION 1+000 - STATION 1+060

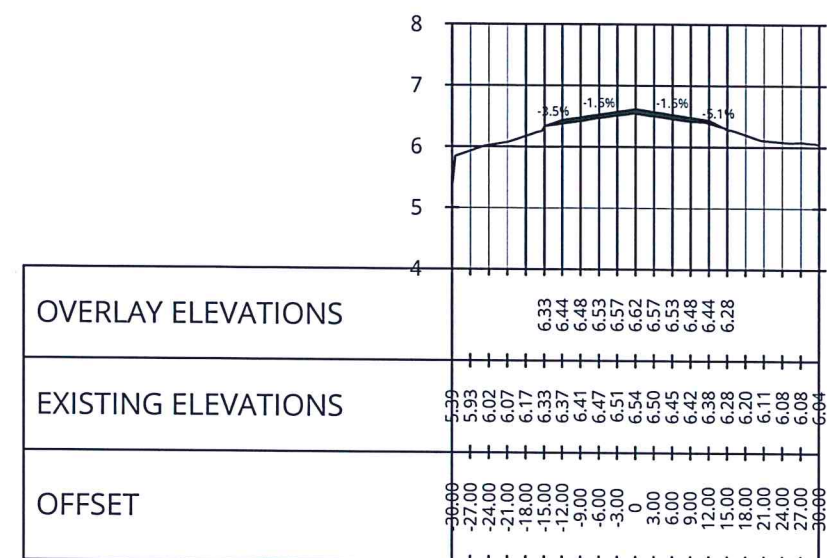
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VERTICAL 1:120 mts

1+080.00



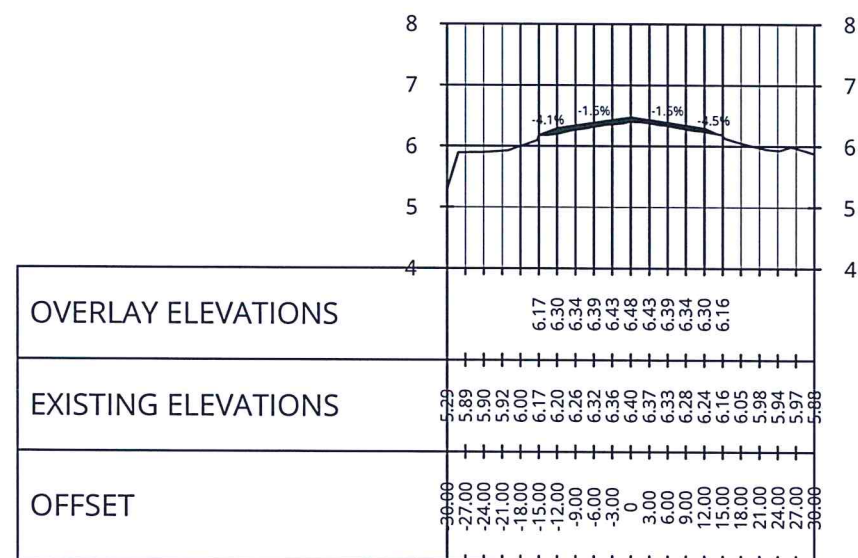
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1+100.00



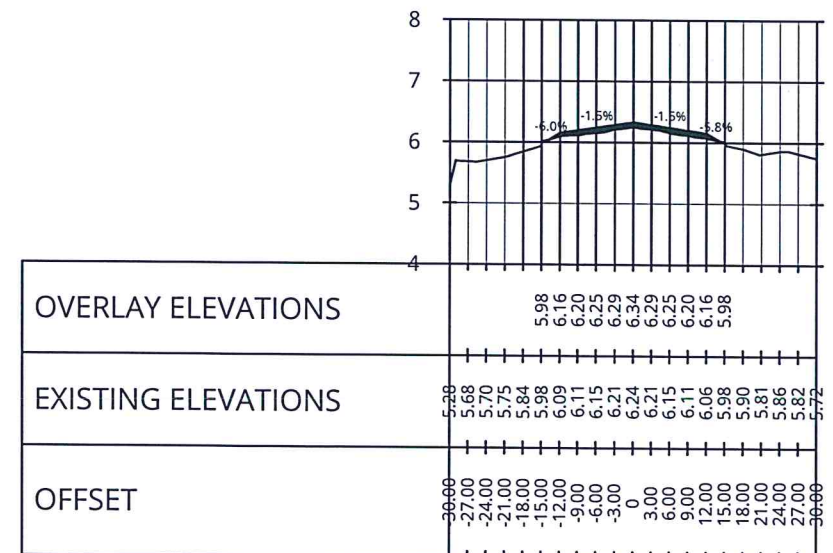
STATION 1+100

1+120.00



STATION 1+120

1+140.00



STATION 1+140



STATION 1+080 - STATION 1+140

HORIZONTAL 1:1200 mts
VERTICAL 1:120 mtsREPUBLIC OF THE PHILIPPINES
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NAIA ROAD, 1300 PASAY CITYTHIS DRAWINGS AND DESIGN IS EXCLUSIVE
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CONSENT FROM THE DIRECTOR GENERAL CAAP.AERODROME DEVELOPMENT
AND MANAGEMENT SERVICEINFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE

DESIGNED BY: EJDJR

DRAWN BY: VCS

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APPROVED BY:

LT GEN RAUL L DEL ROSARIO AFP (RET)
Director General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF
RUNWAY

LOCATION:

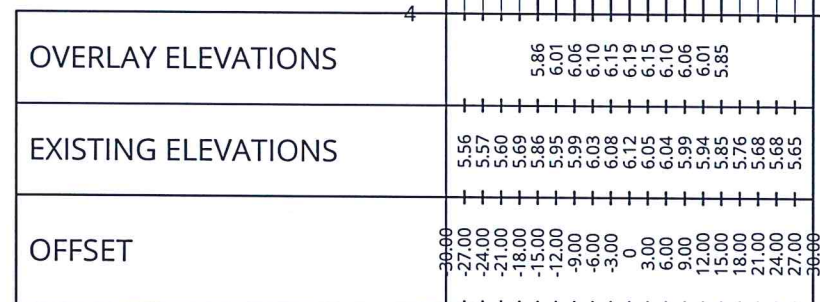
MASBATE AIRPORT
CITY OF MASBATE,
MASBATE

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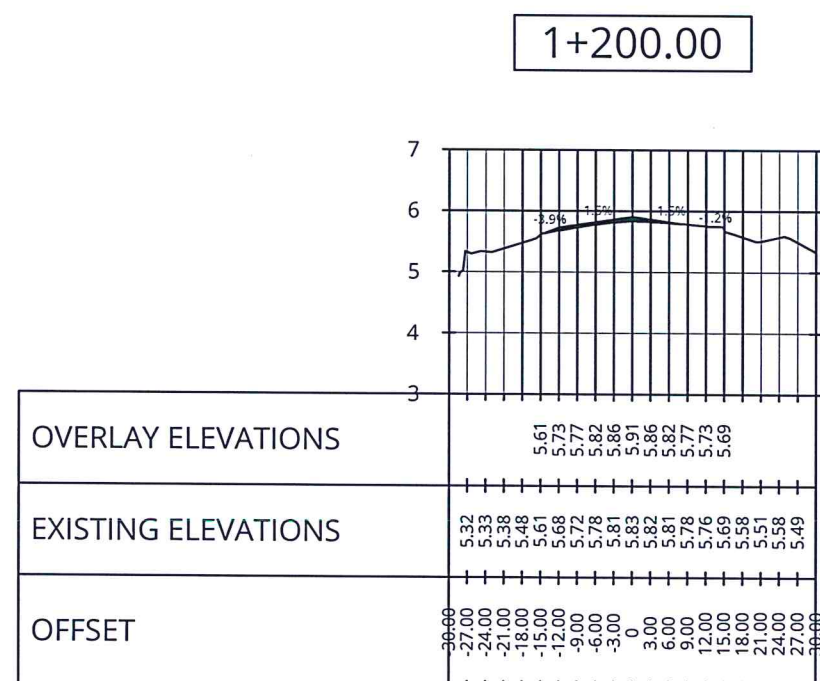
STATION 1+080 -
STATION 1+140

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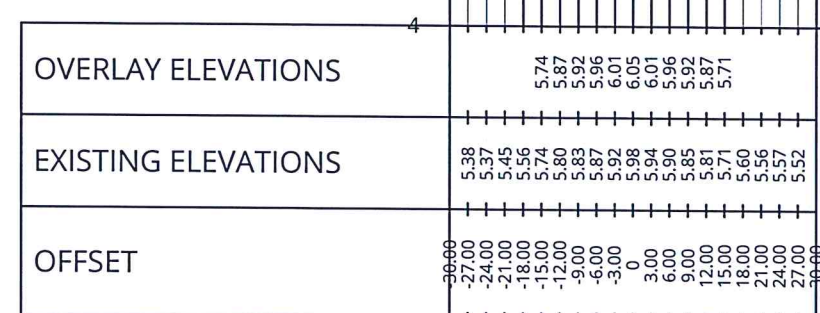
AS SHOWN CW-19
19 23



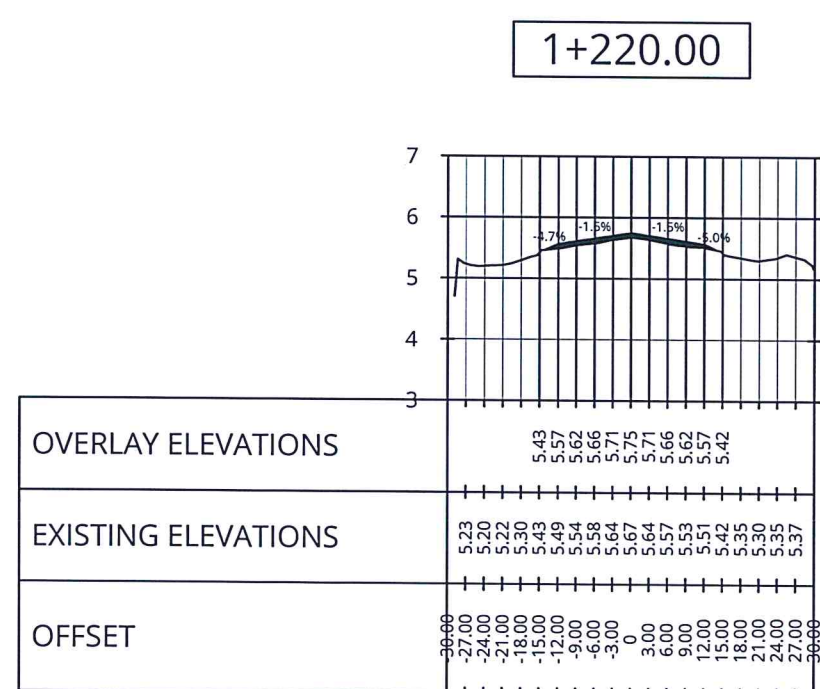
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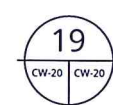
STATION 1+200



STATION 1+180



STATION 1+220



STATION 1+160 - STATION 1+220

HORIZONTAL 1:1200 mts
VERTICAL 1:120 mts



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE

DESIGNED BY: EJR

DRAWN BY: VCS

CHECKED BY: 8

REVIEWED BY:

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LTGEN RAUL L DEL ROSARIO AFP (RET)
Director General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF RUNWAY

LOCATION:

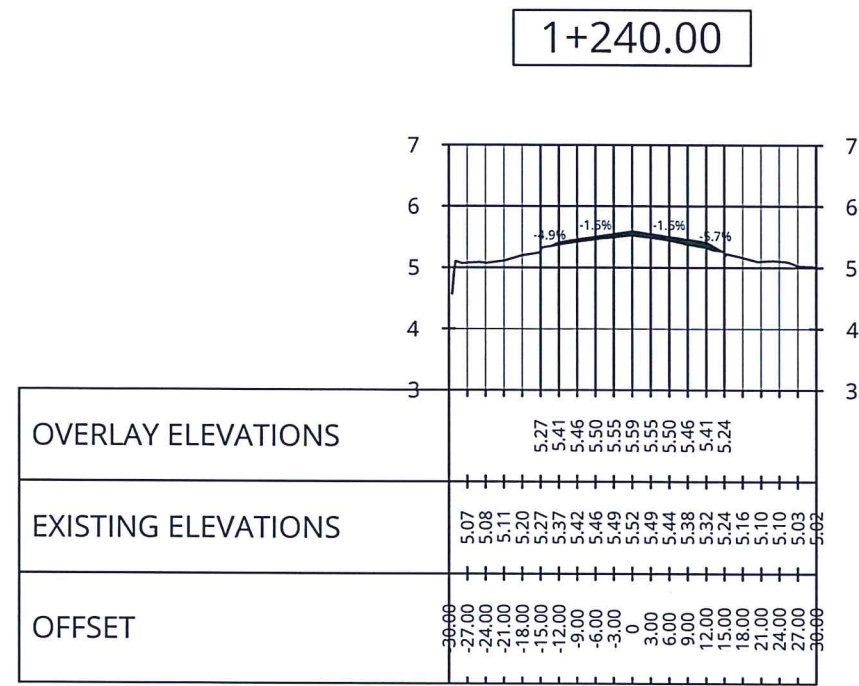
MASBATE AIRPORT
CITY OF MASBATE,
MASBATE

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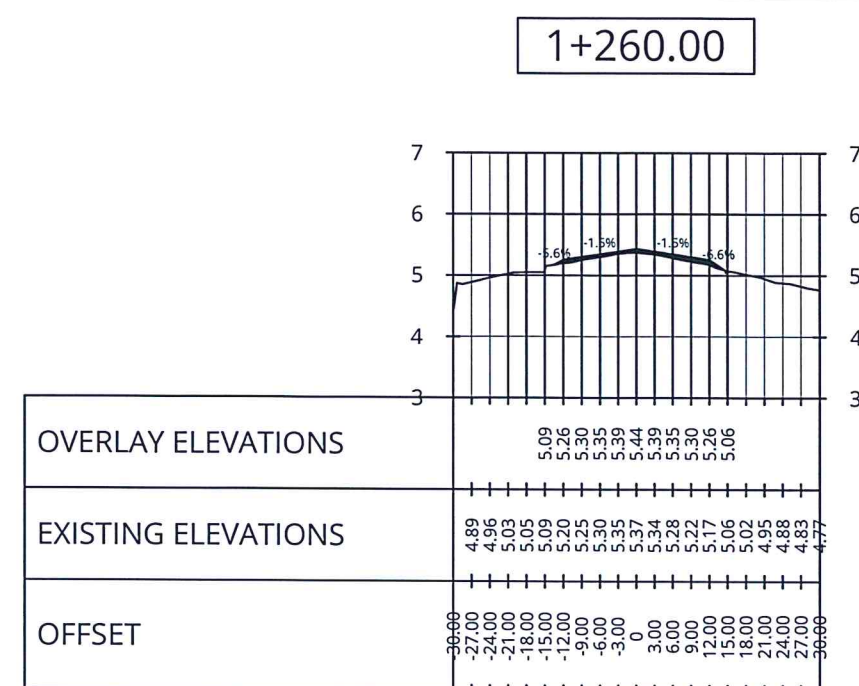
STATION 1+160 -
STATION 1+220

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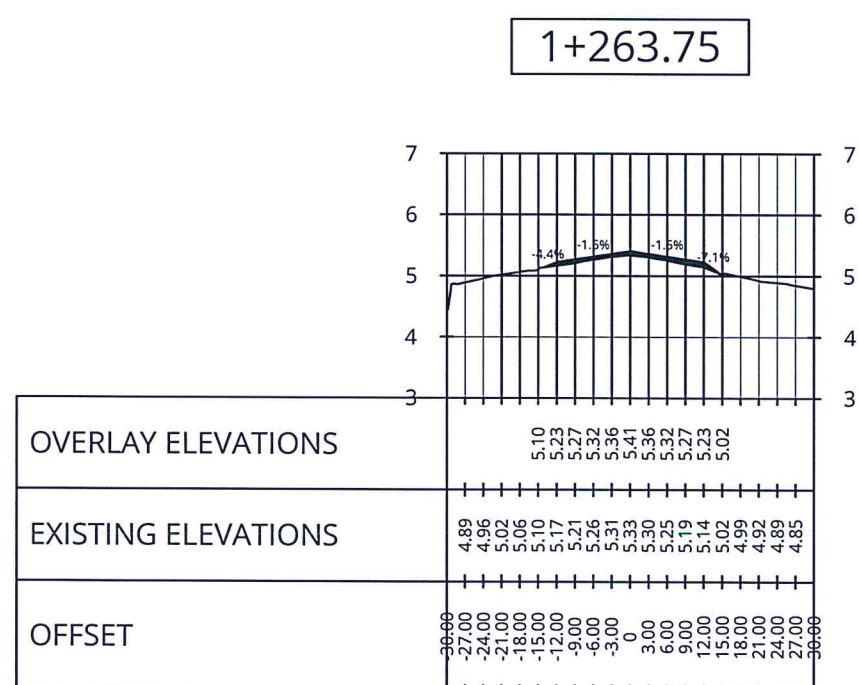
AS SHOWN 20 23



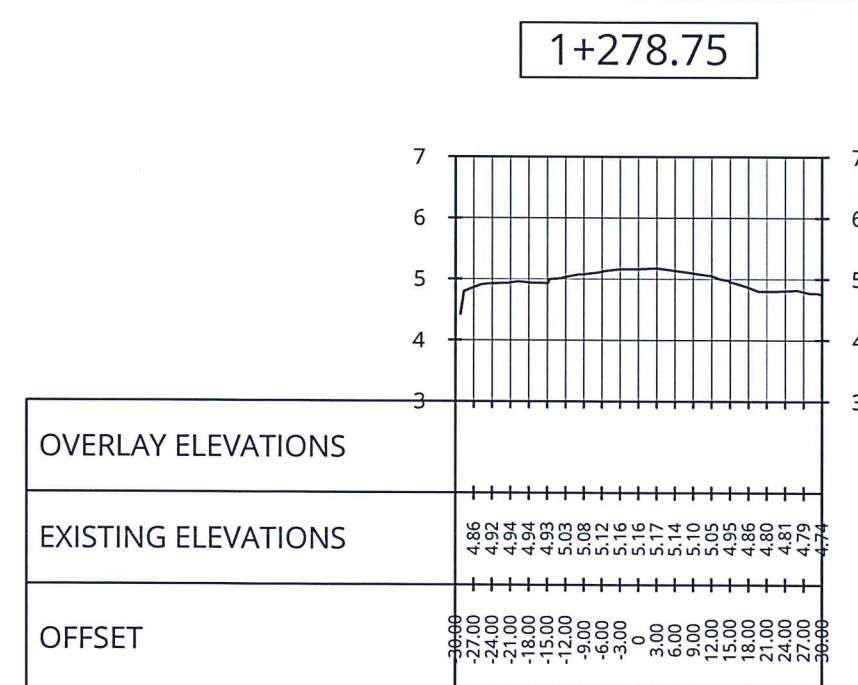
STATION 1+240



STATION 1+260



STATION 1+263.75



STATION 1+278.75

20 STATION 1+240 - STATION 1+278.75
CW-21 CW-21 SCALE
HORIZONTAL 1:1200 mts
VERTICAL 1:120 mts



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	EJDR
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Director General

NOTES/REVISIONS:

PROJECT:
ASPHALT OVERLAY OF RUNWAY

LOCATION:
MASBATE AIRPORT
CITY OF MASBATE,
MASBATE

SHEET CONTENTS:
STATION 1+240 - STATION 1+278.75

DRAWING SCALE:	SHEET NO:
AS SHOWN	CW-21
	21 23



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AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	BJDR
DRAWN BY:	VCS
CHECKED BY:	

REVIEWED BY:

for RAUL R. CRUCENA
Division Chief III, IDDD-AED

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RECOMMEND APPROVAL:

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APPROVED BY:

LT GEN RAUL L DEL ROSARIO AFP (RET)
Director General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF RUNWAY

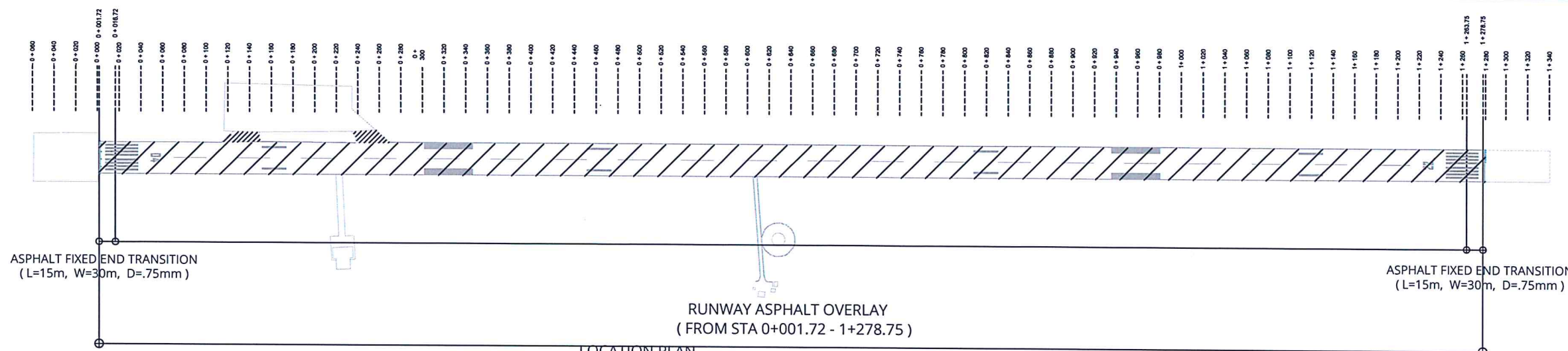
LOCATION:

MASBATE AIRPORT
CITY OF MASBATE,
MASBATE

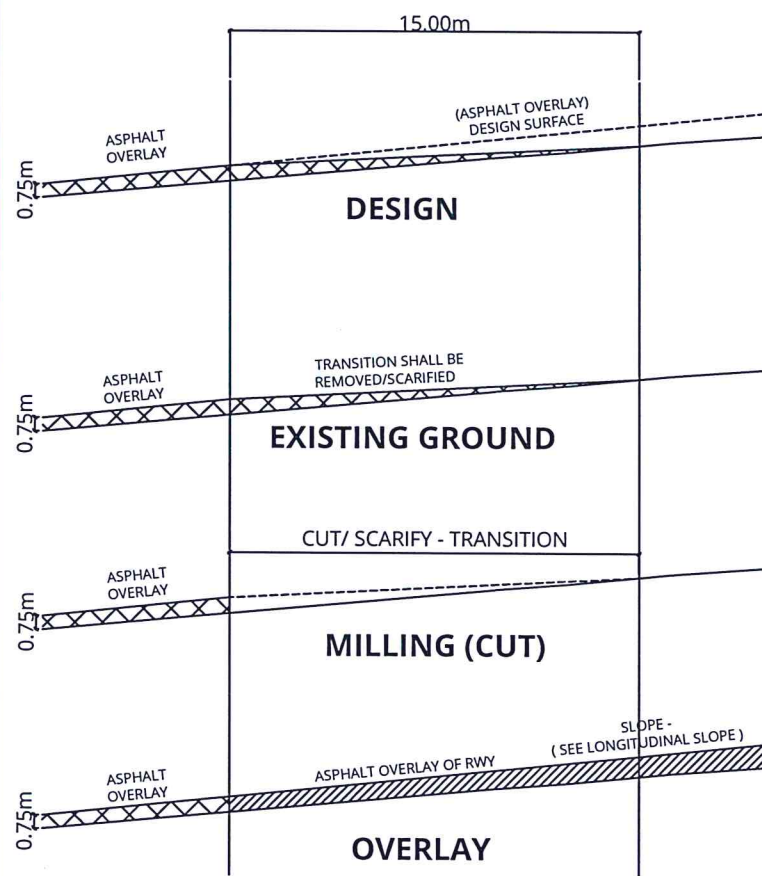
SHEET CONTENTS:

LOCATION PLAN, FIXED END
TRANSITION, AND
TRANSVERSE SECTION

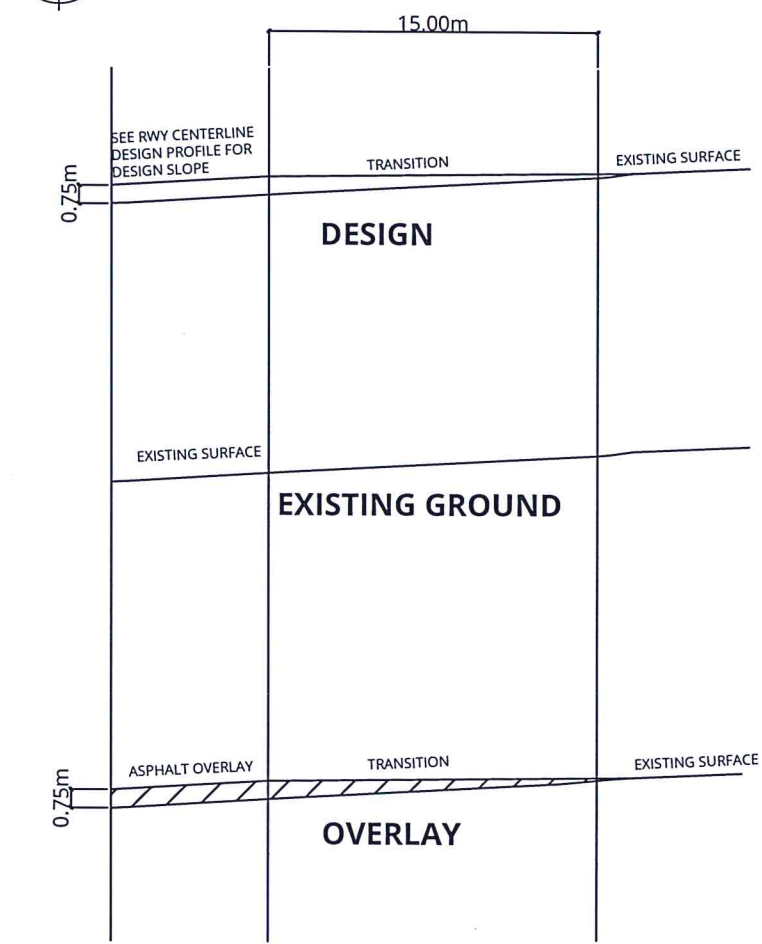
DRAWING SCALE:	SHEET NO:
AS SHOWN	CW-22
	22 23



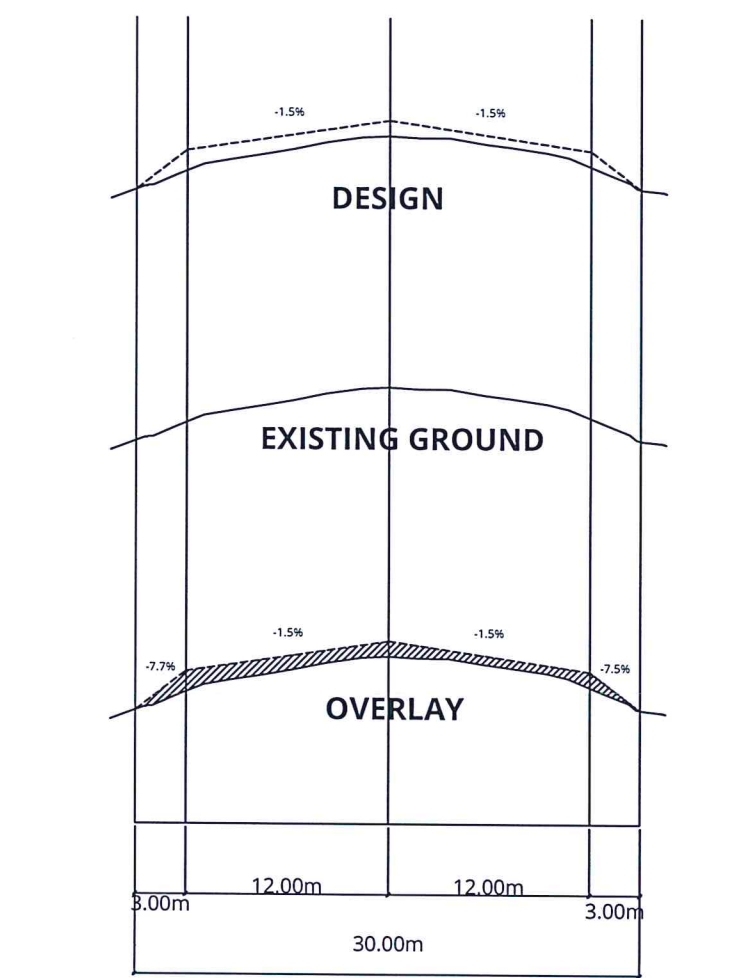
21
CW-22 CW-23
SCALE
RUNWAY ASPHALT OVERLAY
1:4500 mts



22
CW-22 CW-23
SCALE
TEMPORARY TRANSITION
NTS



23
CW-22 CW-23
SCALE
FIXED END TRANSITION
NTS



24
CW-21 CW-21
SCALE
TRANSVERSE SECTION
NTS



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AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	EJDR
DRAWN BY:	VCS
CHECKED BY:	gl

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APPROVED BY:

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Director General

NOTES/REVISIONS:

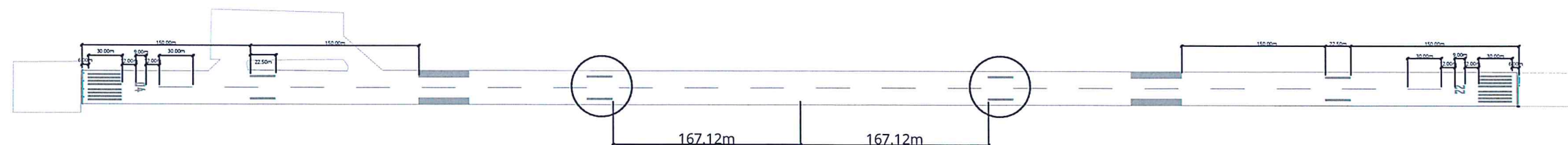
PROJECT:
ASPHALT OVERLAY OF
RUNWAY

LOCATION:
MASBATE AIRPORT
CITY OF MASBATE,
MASBATE

SHEET CONTENTS:

RUNWAY MARKINGS

DRAWING SCALE:	SHEET NO:
AS SHOWN	CW-23 23 23



THE TOUCHDOWN ZONE MARKING SCHEME MAINTAINS A 275M
"NO-MARKING ZONE" FROM THE MIDPOINT OF THE RUNWAY BACK
TOWARDS THE THRESHOLD. ANY PAIRS OF MARKINGS THAT EXTEND
BEYOND THIS 275M LIMIT FROM THE RUNWAY MIDPOINT ARE
ELIMINATED". (FAA 150-5340-1M)

25 RWY DESIGNATION MARKING

SCALE 1:4500mts

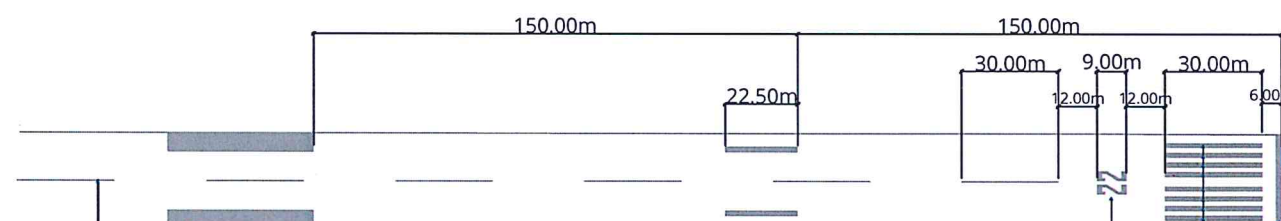
- TOUCH DOWN ZONE MARKINGS
- WIDTH OF STRIPE - 3.00m
 - LENGTH OF STRIPE - 22.50m
 - SPACING OF STRIPE - 18.00m

- RUNWAY SIDE STRIPE MARKINGS
- WIDTH OF STRIPE - 0.30m

- RUNWAY DESIGNATION MARKINGS
- WIDTH OF STRIPE - 1.50m
 - LENGTH OF STRIPE - 30.00m
 - SPACING OF STRIPE - 1.50m
 - SPACING OF STRIPE AT CENTER- 3.00m
- RUNWAY TRANVERSE STRIPE
- WIDTH OF STRIPE - 1.80m

- AIMING POINT MARKINGS
- WIDTH OF STRIPE - 6.00m
 - LENGTH OF STRIPE - 45.00m
 - SPACING OF STRIPE (INSIDE) - 18.00m
- RUNWAY CENTERLINE MARKINGS
- WIDTH OF STRIPE - 0.30m
 - LENGTH OF STRIPE - 30.00m
 - GAP - 28.487m

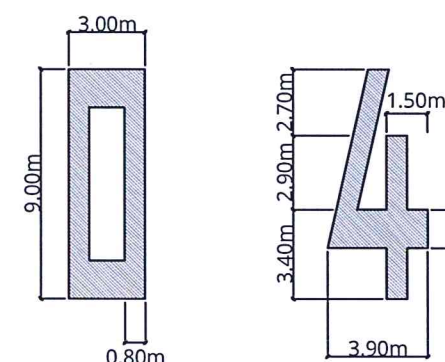
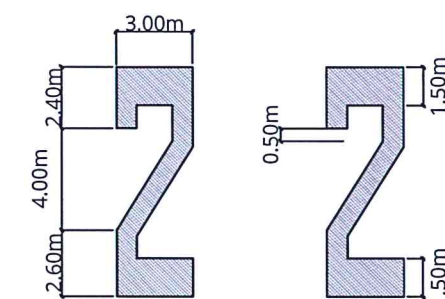
BLOW UP (RWY 04)



- AIMING POINT MARKINGS
- WIDTH OF STRIPE - 6.00m
 - LENGTH OF STRIPE - 45.00m
 - SPACING OF STRIPE (INSIDE) - 18.00m
- RUNWAY CENTERLINE MARKINGS
- WIDTH OF STRIPE - 0.30m
 - LENGTH OF STRIPE - 30.00m
 - GAP - 28.487m

BLOW UP (RWY 22)

- RUNWAY TRANVERSE STRIPE
- WIDTH OF STRIPE - 1.80m
- THRESHOLD MARKINGS
- WIDTH OF STRIPE - 1.50m
 - LENGTH OF STRIPE - 30.00m
 - SPACING OF STRIPE - 1.50m
 - SPACING OF STRIPE AT CENTER- 3.00m
- RUNWAY DESIGNATION MARKINGS



26 RWY DESIGNATION MARKING

SCALE Not To Scale