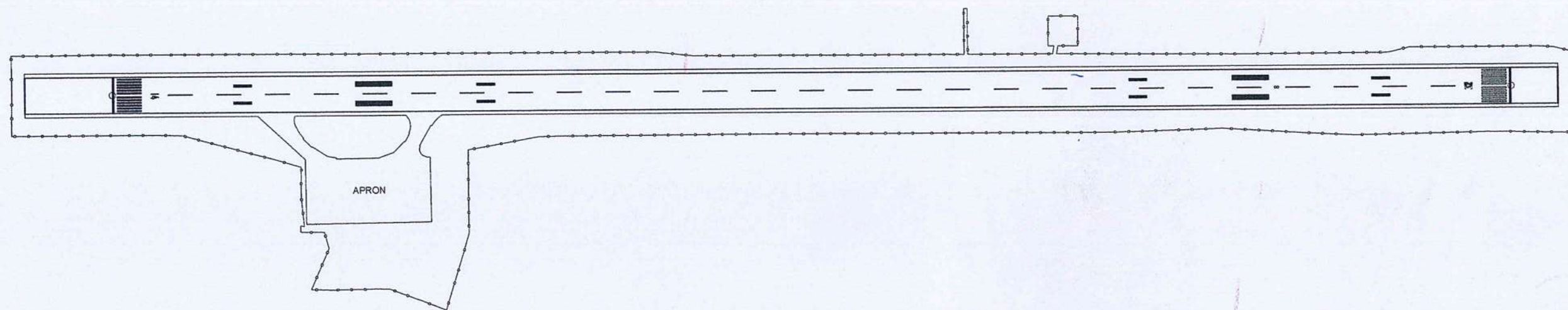




1 **AERIAL VIEW**
SCALE: NTS
CW-1/CW-1



2 **LOCATION MAP**
SCALE: NTS
CW-2/CW-1



3 **AIRPORT LAYOUT**
SCALE: 1:580M
CW-1/CW-1



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1000 1000 1000 1000

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AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND
DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	IDDD
DRAWN BY:	IDDD
CHECKED BY:	

REVIEWED BY:

[Signature]
RAUL R. CRUCENA
Division Chief III, IDDD - ADMS

SUBMITTED BY:

[Signature]
ARNELE F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

[Signature]
LT COL VALENTINO A. DIONELA PAF (RET)
ASG II, ADMS

APPROVED:

[Signature]
CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:
ASPHALT OVERLAY OF RUNWAY

LOCATION:
ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:
• AERIAL VIEW
• LOCATION MAP
• AIRPORT LAYOUT

DRAWING SCALE:	SHEET NO.
AS SHOWN	CW
	1 20

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
25mm (1")	100
19mm (3/4")	95-100
12.5mm (1/2")	76-86
9.5mm (3/8")	68-79
4.75mm (No. 4 Mesh)	49-60
2.38mm (No. 8 Mesh)	35-43
1.18mm (No. 16 Mesh)	23-31
0.6mm (No. 30 Mesh)	15-23
0.3mm (No. 50 Mesh)	8-16
0.075mm (No. 200 Mesh)	3-7

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

ASPHALT	:	HOT MIX ASPHALT (PG 60/70) WITH BINDER (5%-8%)
PRIME COAT	:	CUT-BACK ASPHALT, GRADE MC - 70
TACK COAT	:	CATIONIC - CRS-1
SEALER	:	OXIDIZE BITUMEN 115-15

3. PROVIDE HOT PLANT-MIXED ASPHALTIC CONCRETE PAVING MATERIALS.
TEMPERATURE LEAVING THE PLANT : 143°C (290°F) MINIMUM
TEMPERATURE AT PLACEMENT : 135°C (275°F) MINIMUM
180°C (356°F) MAXIMUM

4. DO NOT ACCEPT MATERIALS UNLESS COVERED WITH TARPAULIN UNTIL UNLOADED AND HAS A TEMPERATURE OF NOT LESS THAN 135°C.
5. DO NOT COMMENCE PLACEMENT OF ASPHALTIC CONCRETE MATERIALS WHEN THE ATMOSPHERIC TEMPERATURE IS BELOW 10°C NOT DURING FOG, RAIN OR OTHER UNSUITABLE CONDITIONS.
6. 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.
7. 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 AIR COMPRESSOR.
8. THE MIXTURE SHALL BE SPREAD AND STRUCK OFF TO MATCH THE GRADE AND ELEVATIONS SHOWN ON THE DRAWINGS.
9. 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.
10. 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. FAA AC 150-5370 10H
2. PAVEMENT DESIGN FOR AIRFIELD, UFC 3-260-02



CONSTRUCTION NOTES

SCALE:

NTS.



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	IDDD
DRAWN BY:	IDDD
CHECKED BY:	

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD - ADMS

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

LT COL VALENTINO A. DIONELA PAF (RET)
ADG II, ADMS

APPROVED:

CAPTAIN MARCELO ANTONIO L. TAMAYO
Chief General

NOTES/REVISIONS

PROJECT:
ASPHALT OVERLAY OF RUNWAY

LOCATION:
ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:
AS SHOWN	CW
	4 20



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MANILA, METRO MANILA

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MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND
DESIGN DIVISION

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DESIGNED BY:	ICDD
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RAUL R. CRUCENA
Division Chief III, ICDD - ADMS

ARNEL F. BORLADO
Department Manager III, AED-ADMS

LT COL VALENTINO A. DIONELA PAF (RET)
ADD II, ADMS

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

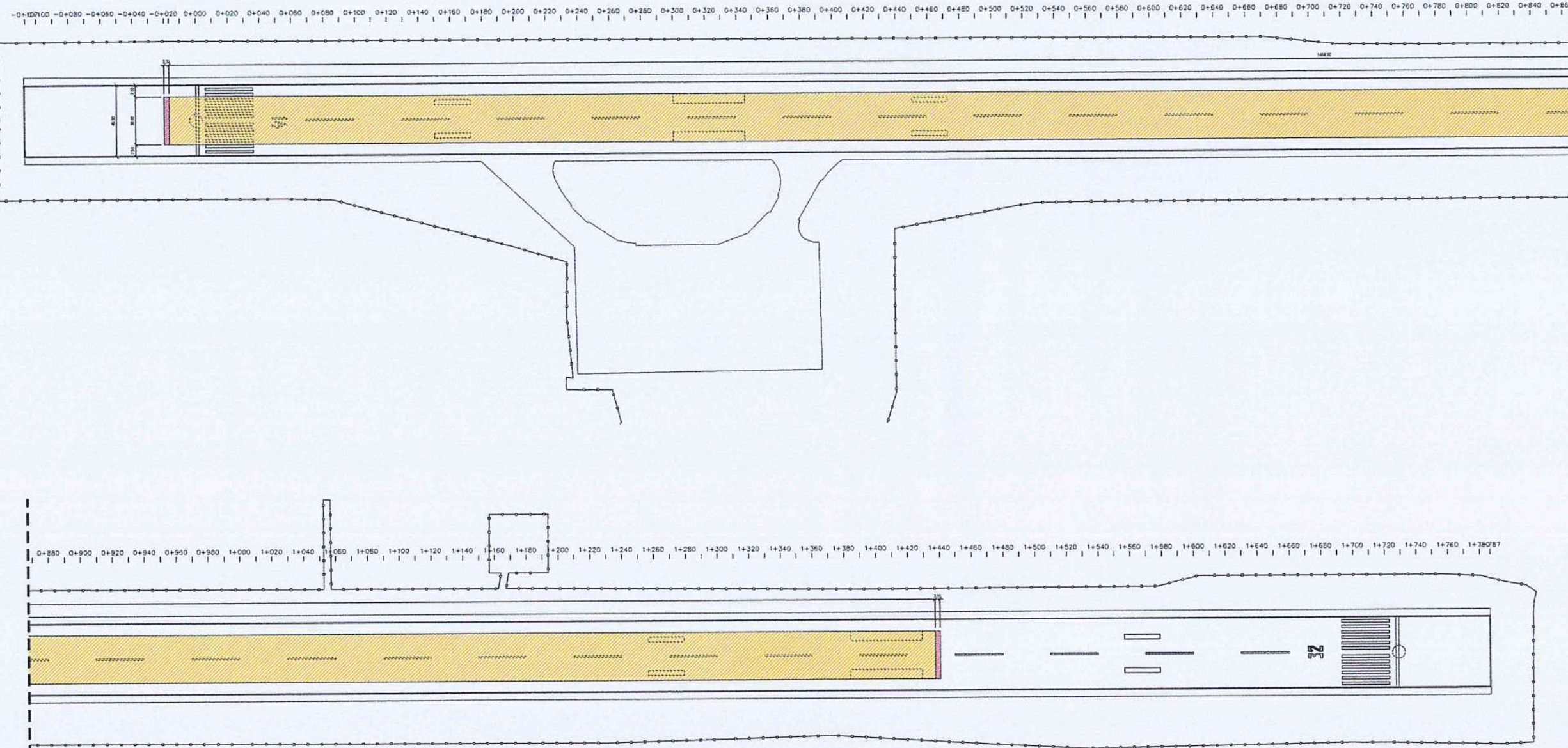
NOTES/REVISIONS:

PROJECT:
ASPHALT OVERLAY OF RUNWAY

LOCATION:
ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:
SITE DEVELOPMENT PLAN

DRAWING SCALE:	SHEET NO.
AS SHOWN	CW
	2 20



LEGEND:

- END ASPHALT TRANSITION (SEE DETAILS)
- ASPHALT OVERLAY (APPROXIMATE DEPTH OF ±0.10M)

4A AIRPORT SITE DEVELOPMENT PLAN
SCALE: 1:300M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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DESIGNED BY:	IDDD
DRAWN BY:	IDDD
CHECKED BY:	

REVIEWED BY:

[Signature]
RAUL R. CRUCENA
Division Chief III, IDDD - ADMS

SUBMITTED BY:

[Signature]
ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

[Signature]
LT COL VALENTINO A. DIONELA PAF (RET)
ADG II, ADMS

APPROVED:

[Signature]
CAPTAIN MARCELO ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF RUNWAY

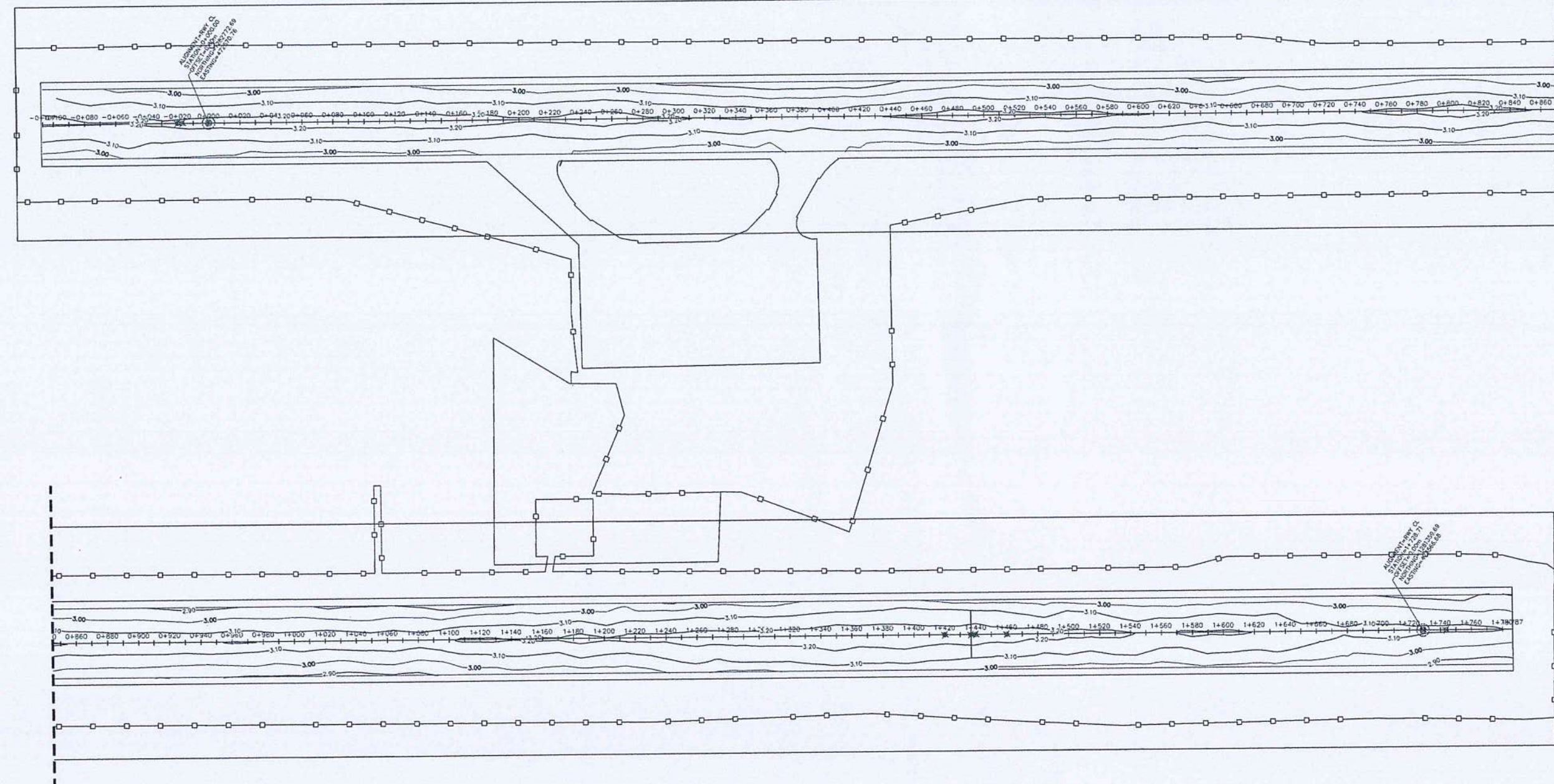
LOCATION:

ROXAS AIRPORT
ROXAS CITY, CAPIZ

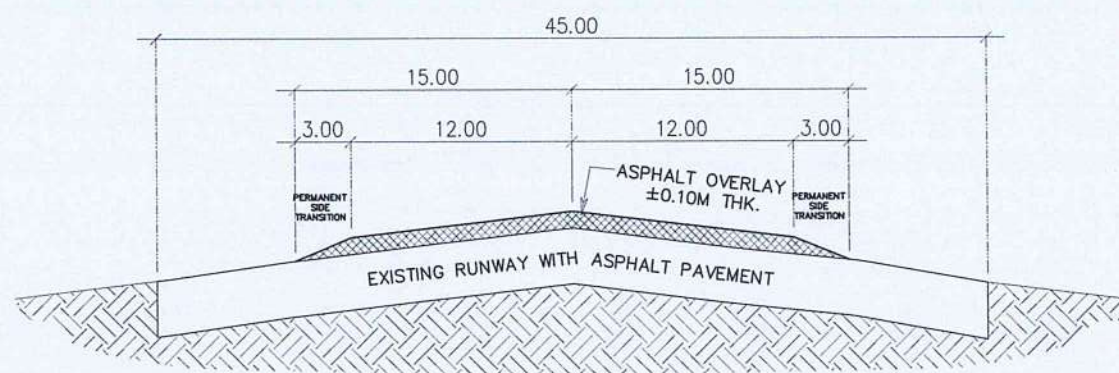
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TOPOGRAPHIC PLAN

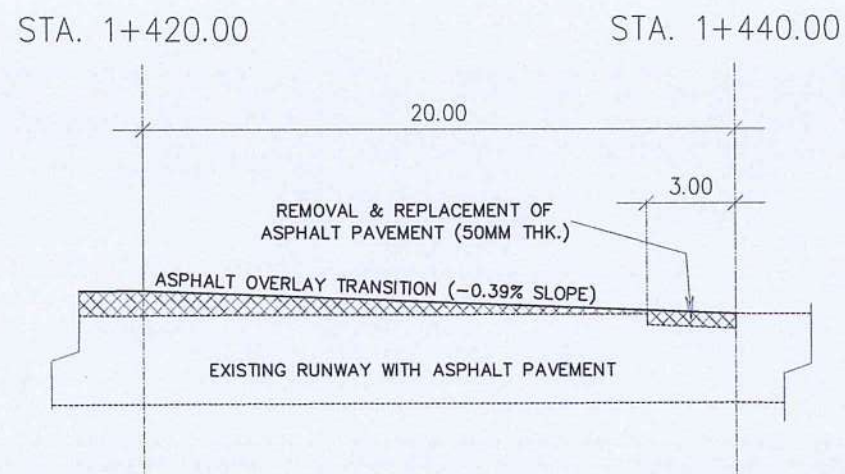
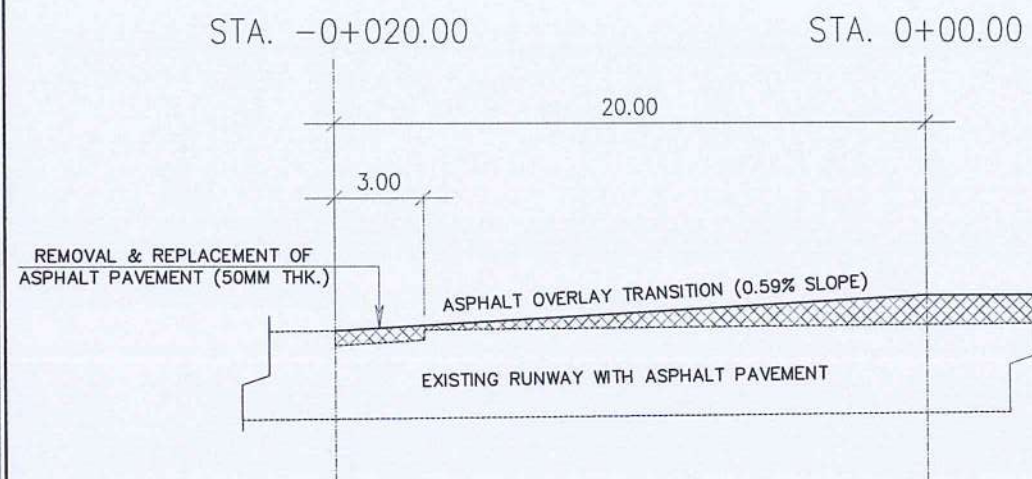
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AS SHOWN	CW
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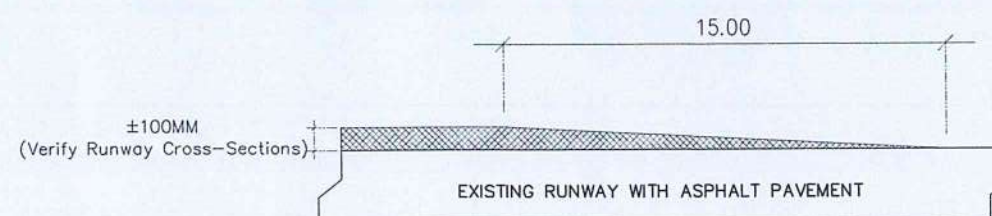
4B AIRPORT TOPOGRAPHIC PLAN
SCALE: 1:300M



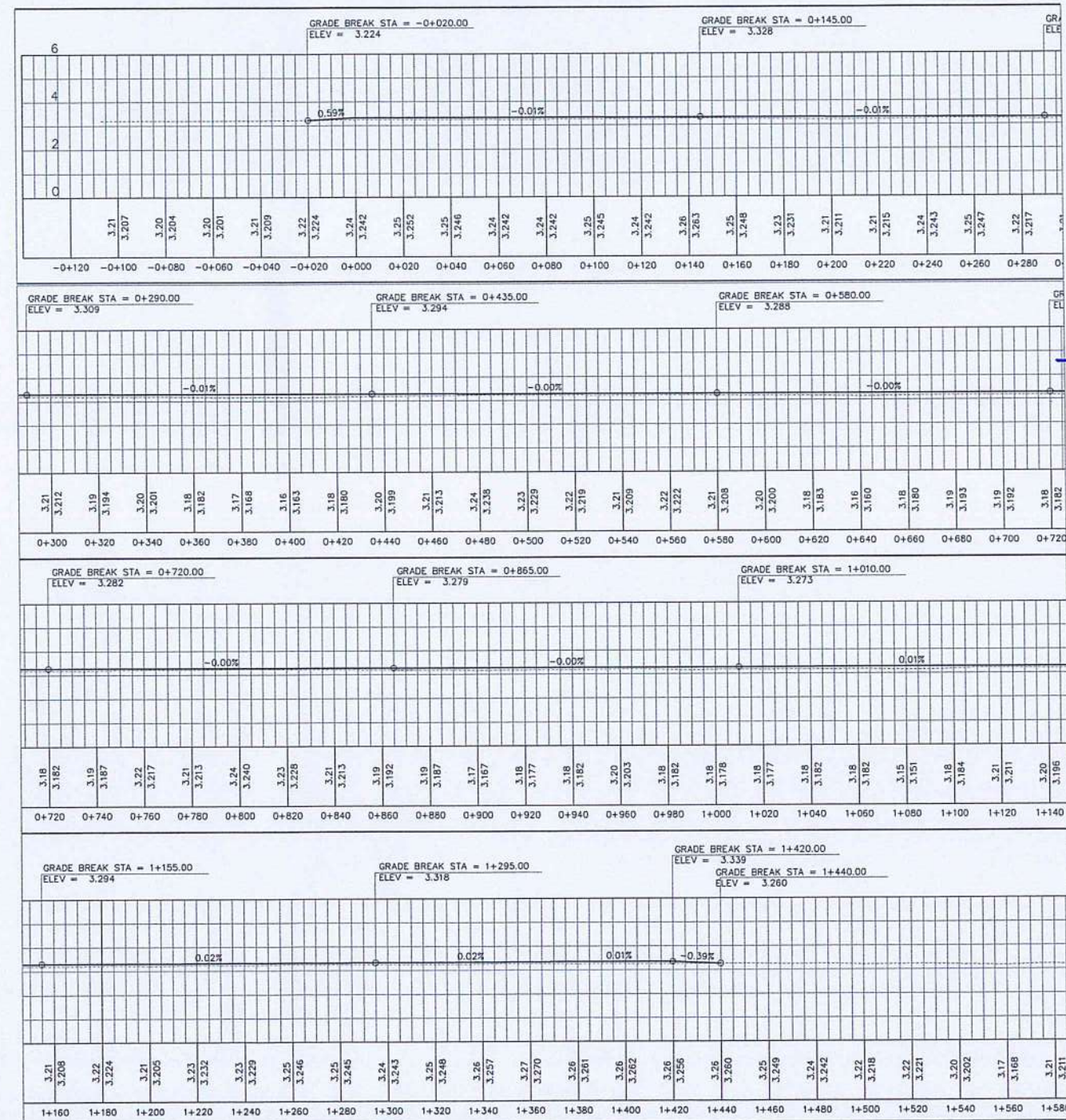
4 ASPHALT OVERLAY TYPICAL RUNWAY SECTION
SCALE: 1:40M



5 PERMANENT LONGIDUTINAL TRANSITIONS
SCALE: 1:40M



4 TEMPORARY TRANSVERSE TRANSITION
SCALE: 1:40M



RUNWAY ASPHALT CENTERLINE



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE
DESIGNED BY: IDDD
DRAWN BY: IDDD
CHECKED BY:

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

SUBMITTED BY:
ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:
LT COL VALENTINO A. DIONELA PAF (RET)
ADG II, ADMS

APPROVED:
CAPTAIN RAFAEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:
ASPHALT OVERLAY OF RUNWAY

LOCATION:
ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:
• RUNWAY TYPICAL TRANSITION
• RUNWAY CENTER LINE LAYOUT
• TEMPORARY TRANSVERSE TRANSITION
• PERMANENT LONGIDUTINAL TRANSITION

DRAWING SCALE: SHEET NO:
AS SHOWN CW
5 20

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

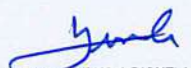
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DESIGNED BY:	IDDD
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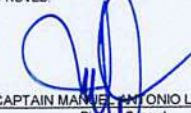
REVIEWED BY:

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Division Chief III, IDDD - ADMS

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

LT COL VALENTINO A. DIONELA PAF (RET)
ADG II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

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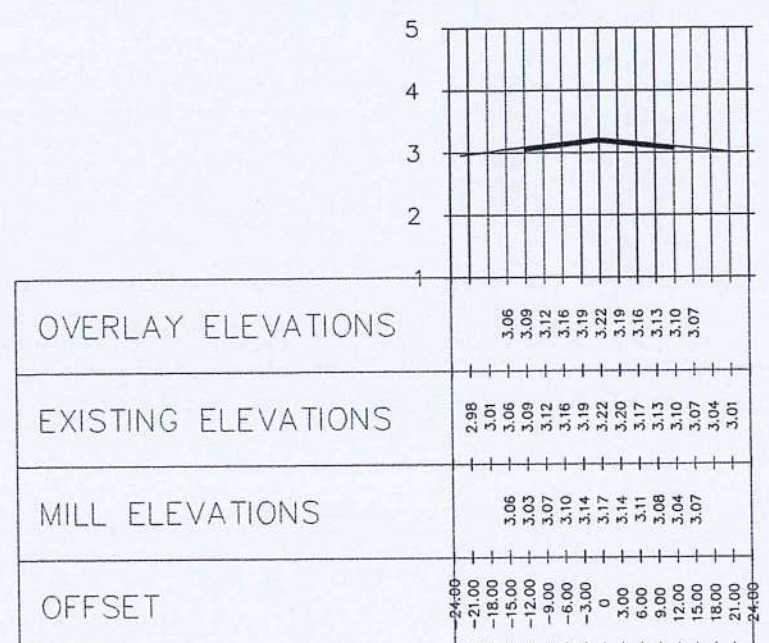
PROJECT:
ASPHALT OVERLAY OF RUNWAY

LOCATION:
ROXAS AIRPORT
ROXAS CITY, CAPIZ

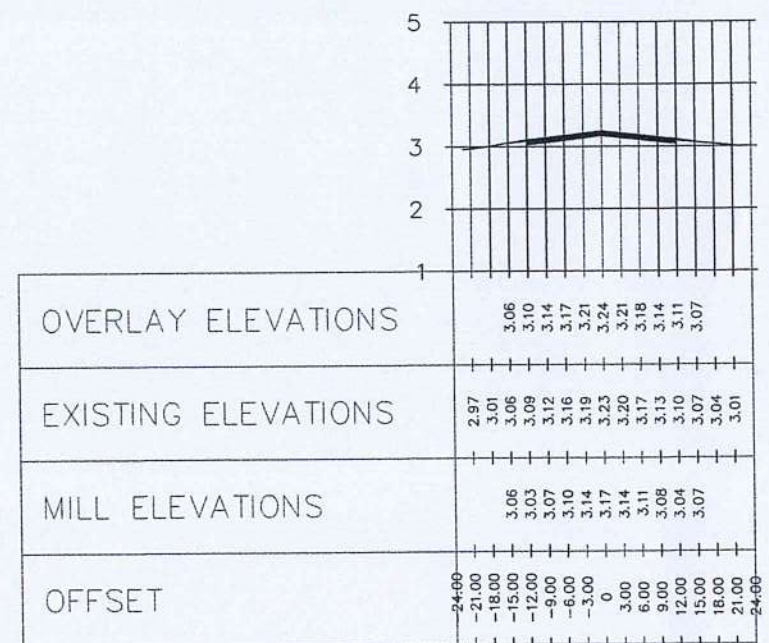
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SECTION VIEW
STA. -0+020.00 - STA 0+060.00

DRAWING SCALE:	SHEET NO.
AS SHOWN	CW
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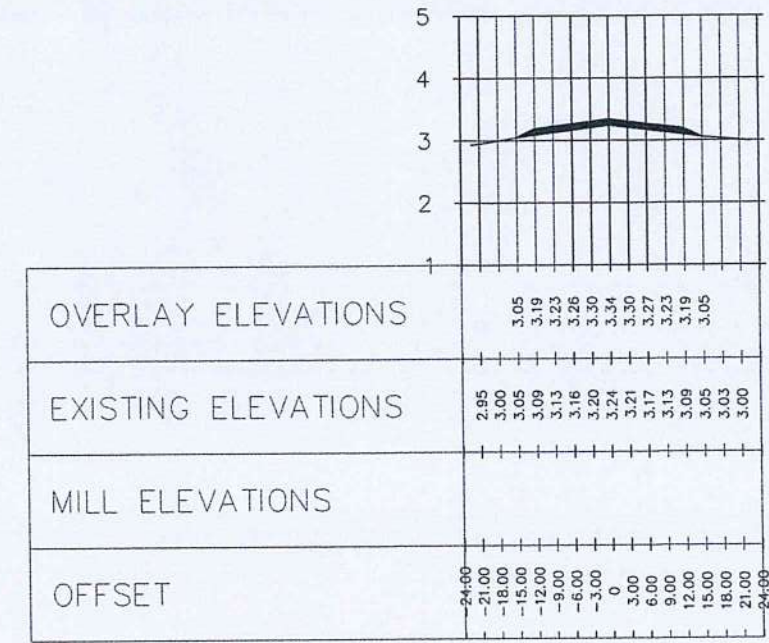
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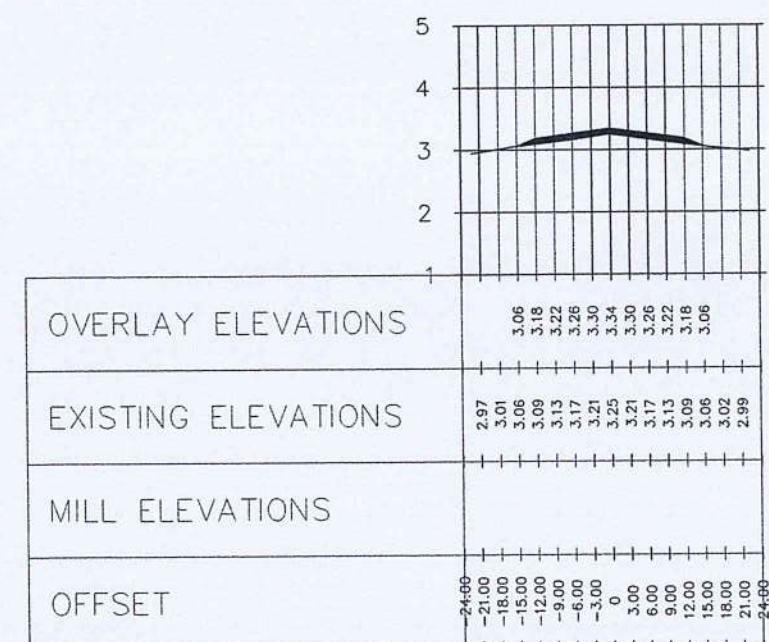
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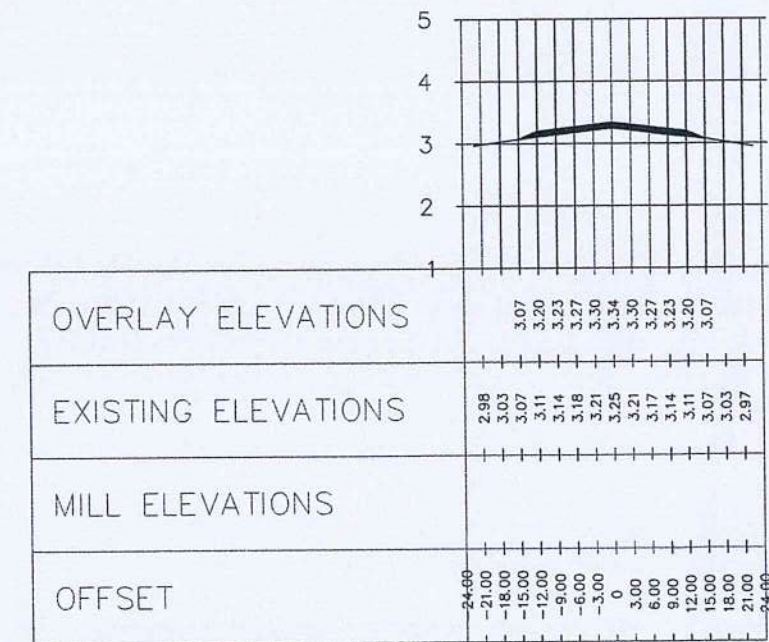
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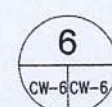
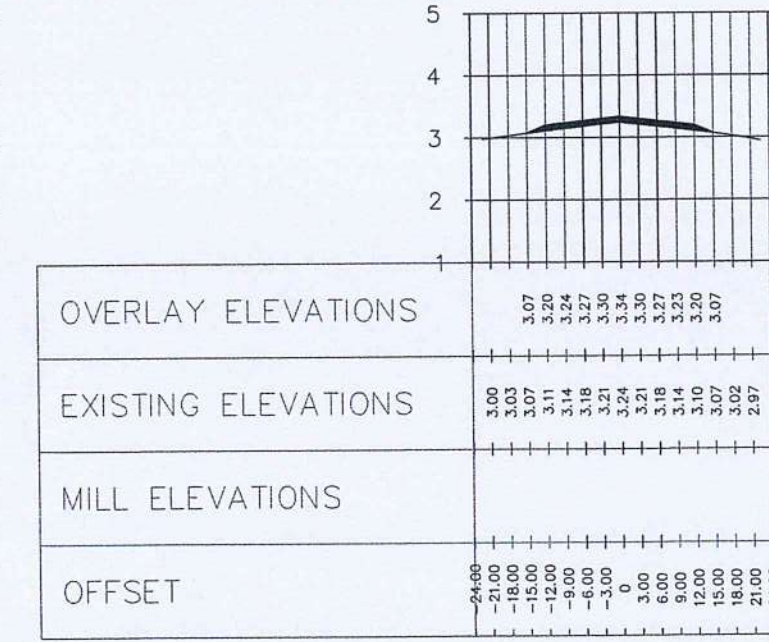
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0+040.00



0+060.00



RUNWAY CROSS-SECTION VIEW

SCALE:

1:120M

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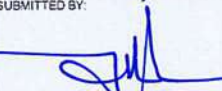
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

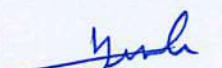
INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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DESIGNED BY:	IDDD
DRAWN BY:	IDDD
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REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD - ADMS

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

LT COL VALENTINO A. DIONELA PAF (RET)
ADG II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:
ASPHALT OVERLAY OF RUNWAY

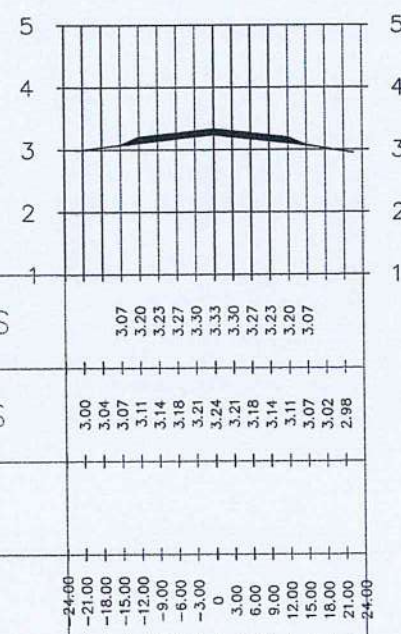
LOCATION:
ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:

SECTION VIEW
STA. 0+080.00 - STA 0+180.00

DRAWING SCALE:	SHEET NO.
AS SHOWN	CW
	7 20

0+080.00



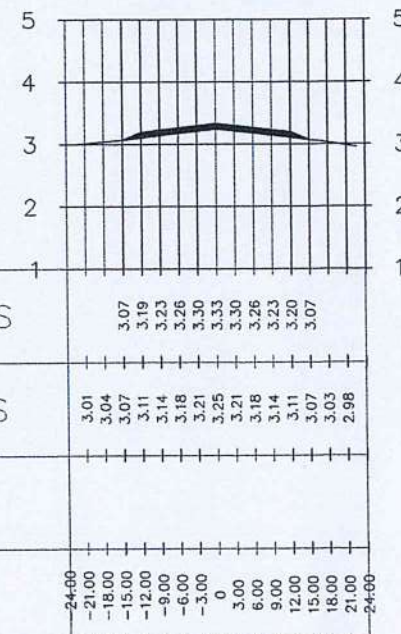
OVERLAY ELEVATIONS

EXISTING ELEVATIONS

MILL ELEVATIONS

OFFSET

0+100.00



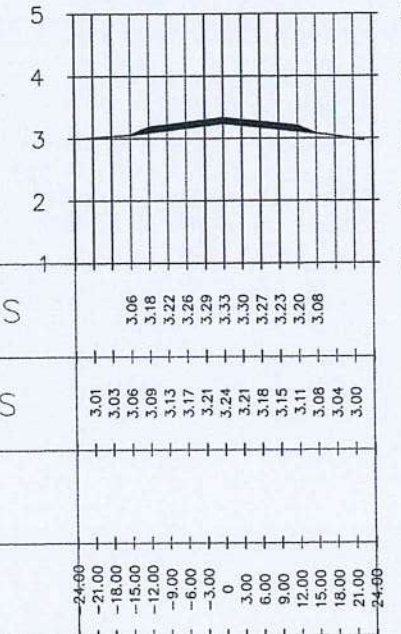
OVERLAY ELEVATIONS

EXISTING ELEVATIONS

MILL ELEVATIONS

OFFSET

0+120.00



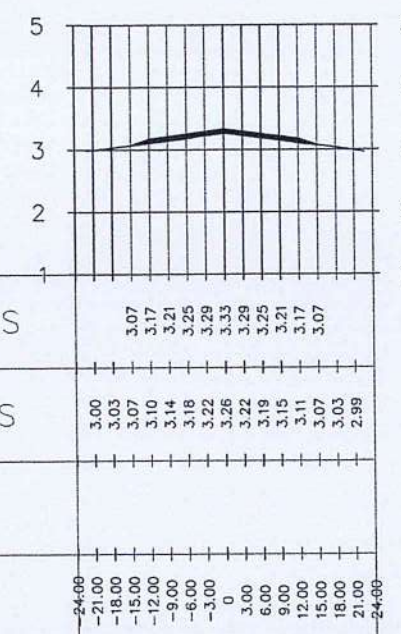
OVERLAY ELEVATIONS

EXISTING ELEVATIONS

MILL ELEVATIONS

OFFSET

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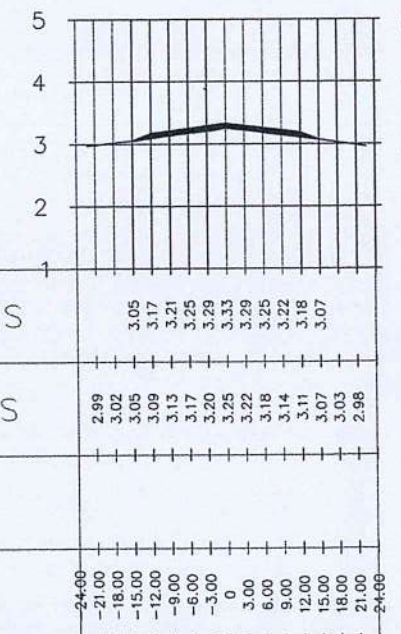
OVERLAY ELEVATIONS

EXISTING ELEVATIONS

MILL ELEVATIONS

OFFSET

0+160.00



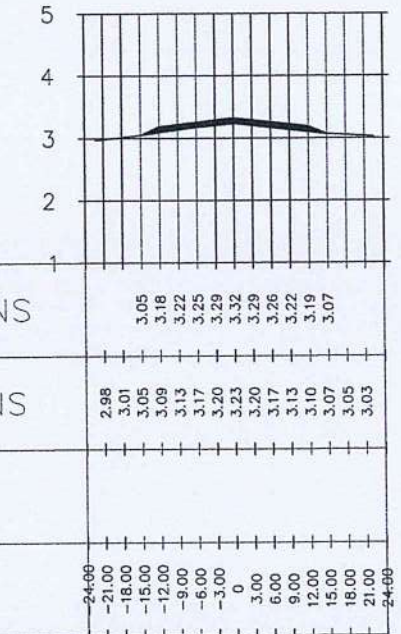
OVERLAY ELEVATIONS

EXISTING ELEVATIONS

MILL ELEVATIONS

OFFSET

0+180.00



OVERLAY ELEVATIONS

EXISTING ELEVATIONS

MILL ELEVATIONS

OFFSET

7
CW-7CW-7

RUNWAY CROSS-SECTION VIEW

SCALE:

1:120M

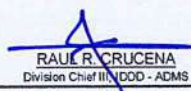
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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	1000
DRAWN BY:	1000
CHECKED BY:	

REVIEWED BY:


RAUL R. CRUCENA
Division Chief III, ADD - ADMS

SUBMITTED BY:


ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:


LT COL VALENTINO A. DIONELA PAF (RET)
ADD II, ADMS

APPROVED:


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Director General

NOTES/REVISIONS:

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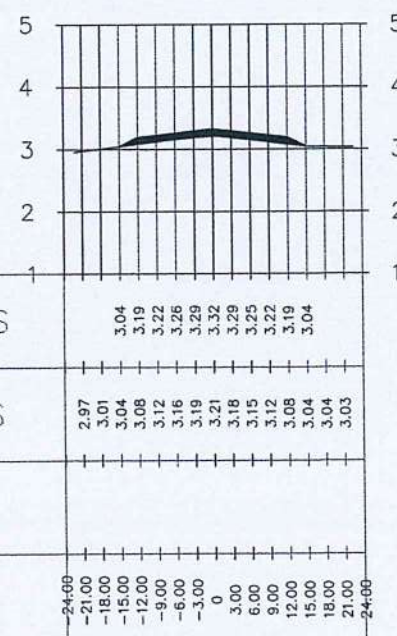
LOCATION:
ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:

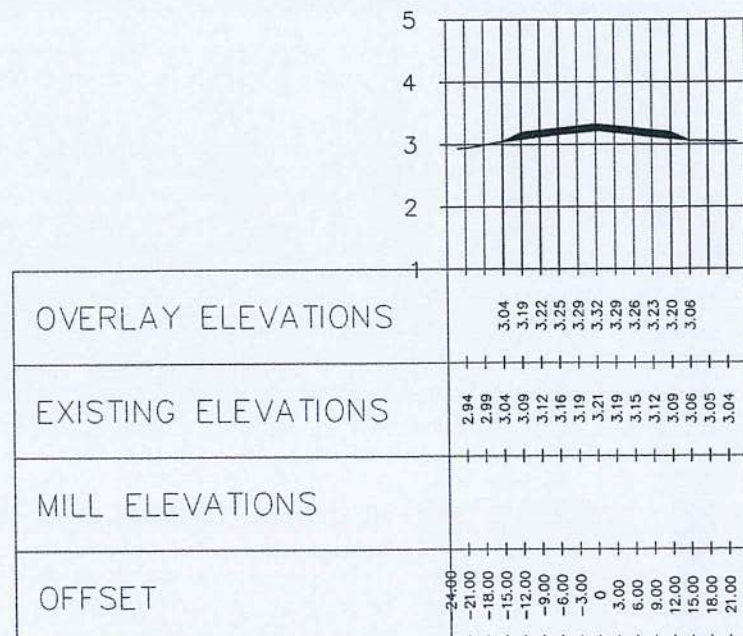
SECTION VIEW
STA. 0+200.00 - STA 0+300.00

DRAWING SCALE:	SHEET NO.
AS SHOWN	CW
	8 20

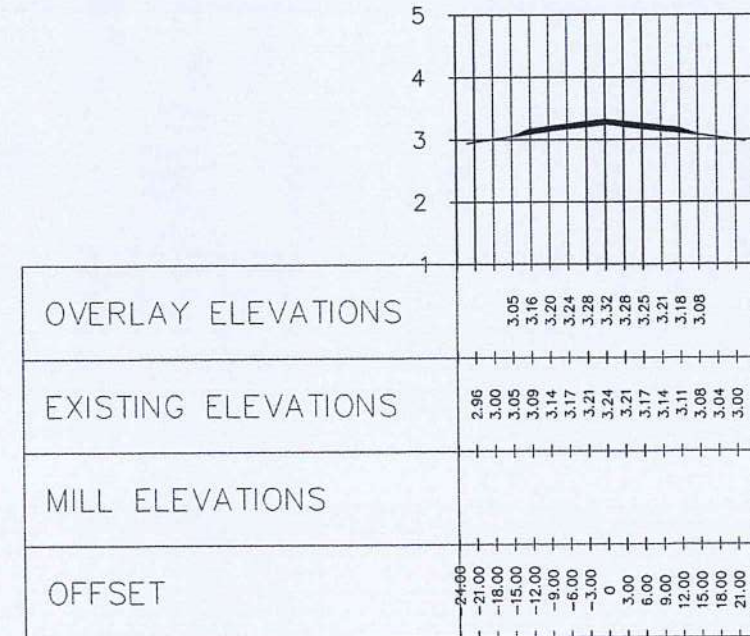
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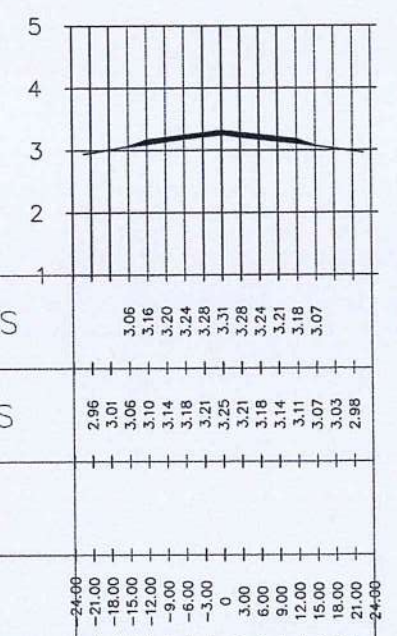
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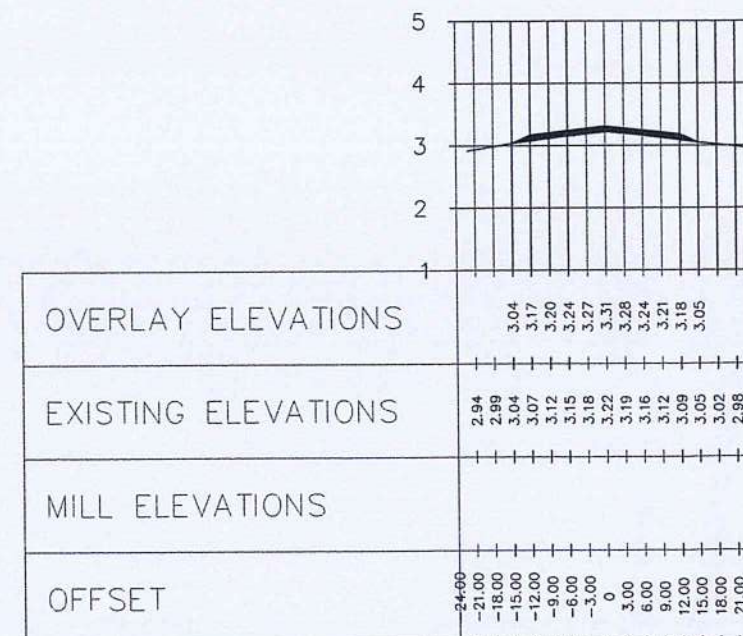
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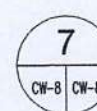
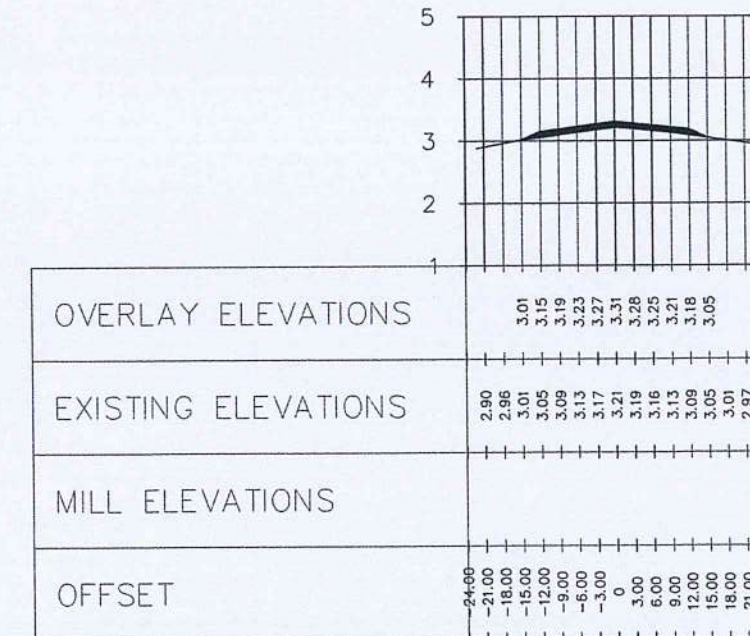
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0+280.00



0+300.00



RUNWAY CROSS-SECTION VIEW

SCALE: 1:120M



CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
REPUBLIC OF THE PHILIPPINES
MANILA, METRO MANILA

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DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND
DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	1000
DRAWN BY:	1000
CHECKED BY:	

REVIEWED BY:

RAUL R. CRUCENA
Division Chief II, DDD - ADMS

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

LT COL VALENTINO A. DIONELA PAF (RET.)
ADG II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:
ASPHALT OVERLAY OF RUNWAY

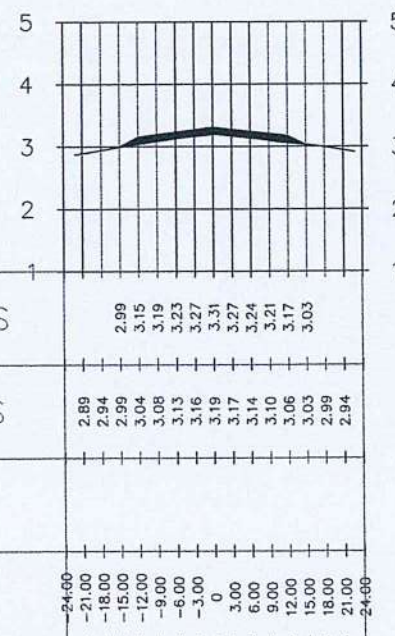
LOCATION:
ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:

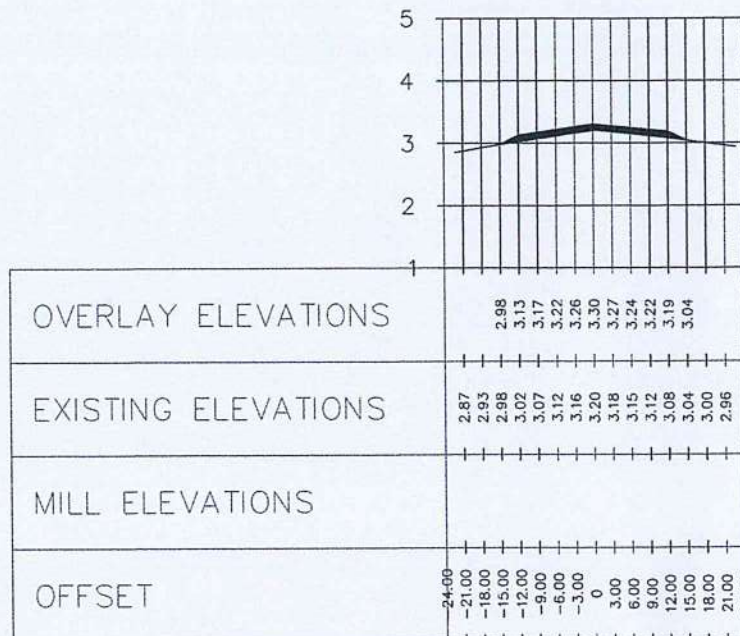
SECTION VIEW
STA. 0+320.00 - STA 0+420.00

DRAWING SCALE:	SHEET NO:
AS SHOWN	CW
	09 20

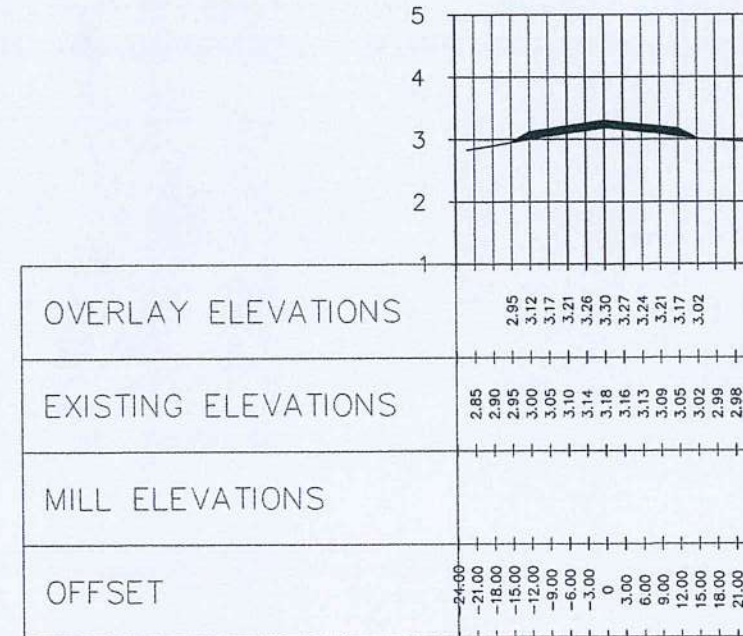
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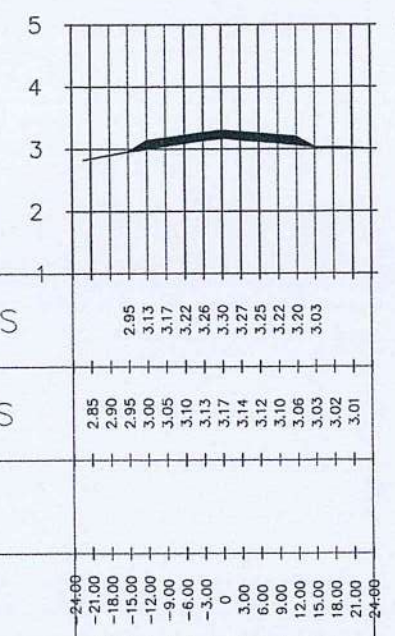
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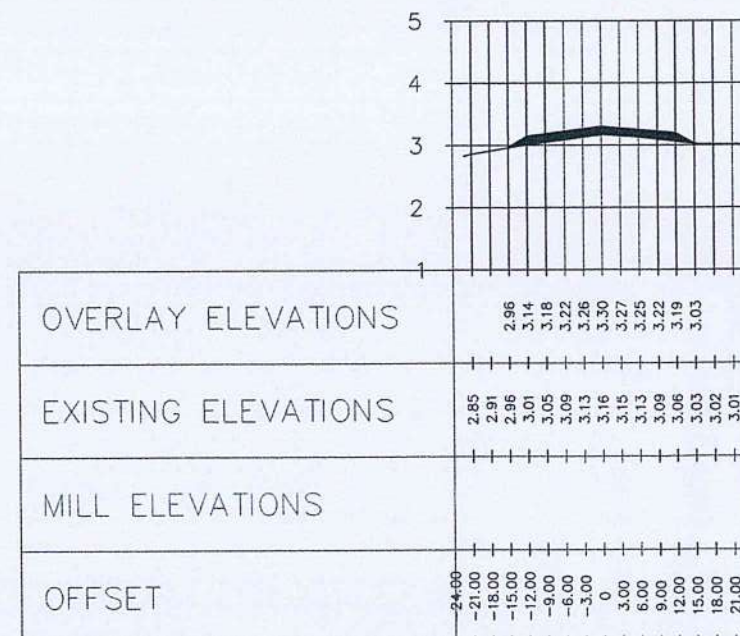
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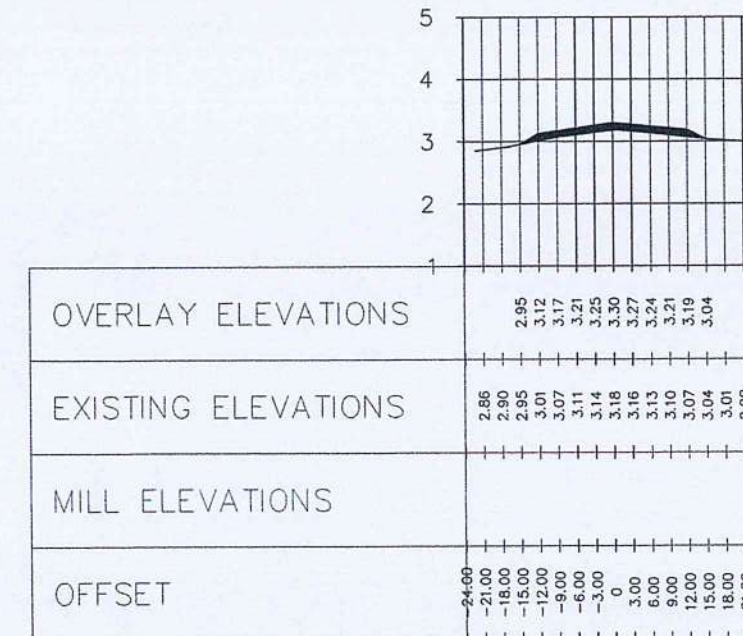
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0+400.00



0+420.00



8

RUNWAY CROSS-SECTION VIEW

SCALE:

1:120M



CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
BAGONG PILIPINAS

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DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND
DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	1000
DRAWN BY:	1000
CHECKED BY:	

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IGDD - ADMS

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

LT COL VALENTINO A. DIONELA PAF (RET.)
ADG II, ADMS

APPROVED:

CAPTAIN MANUEL VICENCIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF RUNWAY

LOCATION:

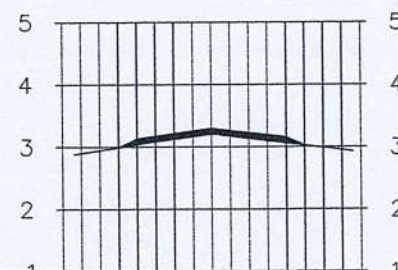
ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:

SECTION VIEW
STA. 0+440.00 - STA 0+540.00

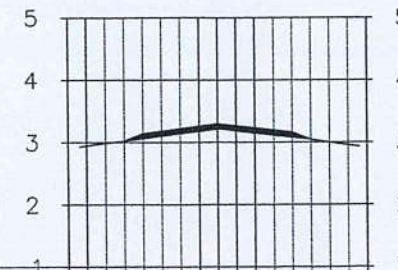
DRAWING SCALE:	SHEET NO.
AS SHOWN	CW
	10 20

0+440.00



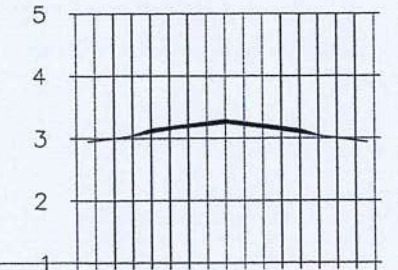
OVERLAY ELEVATIONS	2.99
EXISTING ELEVATIONS	2.90 2.94 2.99 3.03 3.08 3.12 3.16 3.20 3.24 3.28 3.32 3.36 3.40 3.44 3.48 3.52 3.56 3.60 3.64 3.68 3.72 3.76 3.80 3.84 3.88 3.92 3.96 4.00 4.04 4.08 4.12 4.16 4.20 4.24 4.28 4.32 4.36 4.40 4.44 4.48 4.52 4.56 4.60 4.64 4.68 4.72 4.76 4.80 4.84 4.88 4.92 4.96 5.00
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+460.00



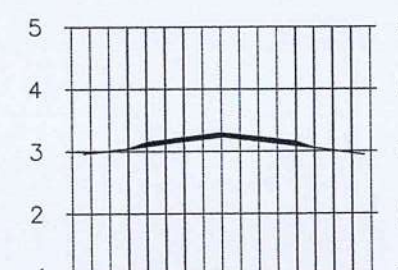
OVERLAY ELEVATIONS	3.02 3.14 3.18 3.22 3.26 3.29 3.33 3.37 3.41 3.45 3.49 3.53 3.57 3.61 3.65 3.69 3.73 3.77 3.81 3.85 3.89 3.93 3.97 4.01 4.05 4.09 4.13 4.17 4.21 4.25 4.29 4.33 4.37 4.41 4.45 4.49 4.53 4.57 4.61 4.65 4.69 4.73 4.77 4.81 4.85 4.89 4.93 4.97 5.01
EXISTING ELEVATIONS	2.94 2.98 3.02 3.06 3.10 3.14 3.18 3.22 3.26 3.30 3.34 3.38 3.42 3.46 3.50 3.54 3.58 3.62 3.66 3.70 3.74 3.78 3.82 3.86 3.90 3.94 3.98 4.02 4.06 4.10 4.14 4.18 4.22 4.26 4.30 4.34 4.38 4.42 4.46 4.50 4.54 4.58 4.62 4.66 4.70 4.74 4.78 4.82 4.86 4.90 4.94 4.98 5.02
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+480.00



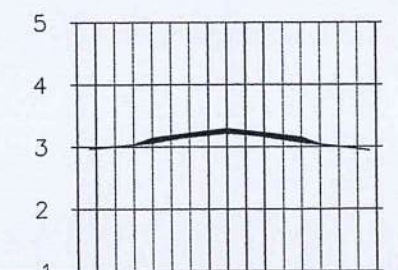
OVERLAY ELEVATIONS	3.04 3.15 3.18 3.22 3.26 3.29 3.33 3.37 3.41 3.45 3.49 3.53 3.57 3.61 3.65 3.69 3.73 3.77 3.81 3.85 3.89 3.93 3.97 4.01 4.05 4.09 4.13 4.17 4.21 4.25 4.29 4.33 4.37 4.41 4.45 4.49 4.53 4.57 4.61 4.65 4.69 4.73 4.77 4.81 4.85 4.89 4.93 4.97 5.01
EXISTING ELEVATIONS	2.96 3.00 3.04 3.08 3.12 3.16 3.20 3.24 3.28 3.32 3.36 3.40 3.44 3.48 3.52 3.56 3.60 3.64 3.68 3.72 3.76 3.80 3.84 3.88 3.92 3.96 4.00 4.04 4.08 4.12 4.16 4.20 4.24 4.28 4.32 4.36 4.40 4.44 4.48 4.52 4.56 4.60 4.64 4.68 4.72 4.76 4.80 4.84 4.88 4.92 4.96 5.00
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+500.00



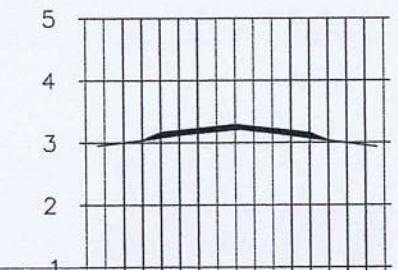
OVERLAY ELEVATIONS	3.04 3.14 3.18 3.22 3.26 3.29 3.33 3.37 3.41 3.45 3.49 3.53 3.57 3.61 3.65 3.69 3.73 3.77 3.81 3.85 3.89 3.93 3.97 4.01 4.05 4.09 4.13 4.17 4.21 4.25 4.29 4.33 4.37 4.41 4.45 4.49 4.53 4.57 4.61 4.65 4.69 4.73 4.77 4.81 4.85 4.89 4.93 4.97 5.01
EXISTING ELEVATIONS	2.98 3.01 3.04 3.08 3.12 3.16 3.19 3.23 3.27 3.31 3.35 3.39 3.43 3.47 3.51 3.55 3.59 3.63 3.67 3.71 3.75 3.79 3.83 3.87 3.91 3.95 3.99 4.03 4.07 4.11 4.15 4.19 4.23 4.27 4.31 4.35 4.39 4.43 4.47 4.51 4.55 4.59 4.63 4.67 4.71 4.75 4.79 4.83 4.87 4.91 4.95 4.99 5.03
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+520.00



OVERLAY ELEVATIONS	3.03 3.14 3.18 3.22 3.26 3.29 3.33 3.37 3.41 3.45 3.49 3.53 3.57 3.61 3.65 3.69 3.73 3.77 3.81 3.85 3.89 3.93 3.97 4.01 4.05 4.09 4.13 4.17 4.21 4.25 4.29 4.33 4.37 4.41 4.45 4.49 4.53 4.57 4.61 4.65 4.69 4.73 4.77 4.81 4.85 4.89 4.93 4.97 5.01
EXISTING ELEVATIONS	2.98 3.01 3.04 3.08 3.12 3.16 3.19 3.23 3.27 3.31 3.35 3.39 3.43 3.47 3.51 3.55 3.59 3.63 3.67 3.71 3.75 3.79 3.83 3.87 3.91 3.95 3.99 4.03 4.07 4.11 4.15 4.19 4.23 4.27 4.31 4.35 4.39 4.43 4.47 4.51 4.55 4.59 4.63 4.67 4.71 4.75 4.79 4.83 4.87 4.91 4.95 4.99 5.03
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+540.00



OVERLAY ELEVATIONS	3.04 3.16 3.19 3.23 3.26 3.29 3.33 3.37 3.41 3.45 3.49 3.53 3.57 3.61 3.65 3.69 3.73 3.77 3.81 3.85 3.89 3.93 3.97 4.01 4.05 4.09 4.13 4.17 4.21 4.25 4.29 4.33 4.37 4.41 4.45 4.49 4.53 4.57 4.61 4.65 4.69 4.73 4.77 4.81 4.85 4.89 4.93 4.97 5.01
EXISTING ELEVATIONS	2.97 3.00 3.04 3.08 3.12 3.16 3.19 3.23 3.27 3.31 3.35 3.39 3.43 3.47 3.51 3.55 3.59 3.63 3.67 3.71 3.75 3.79 3.83 3.87 3.91 3.95 3.99 4.03 4.07 4.11 4.15 4.19 4.23 4.27 4.31 4.35 4.39 4.43 4.47 4.51 4.55 4.59 4.63 4.67 4.71 4.75 4.79 4.83 4.87 4.91 4.95 4.99 5.03
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00



RUNWAY CROSS-SECTION VIEW

SCALE:

1:120M



CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
1000, 1000, 1000

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DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND
DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	1000
DRAWN BY:	1000
CHECKED BY:	

REVIEWED BY:

RAUL R. CRUCENA
Division Chief/In-CHARGE - ADMS

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

LT COL VALENTINO A. DIONELA PAF (RET.)
ADG II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Chief General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF RUNWAY

LOCATION:

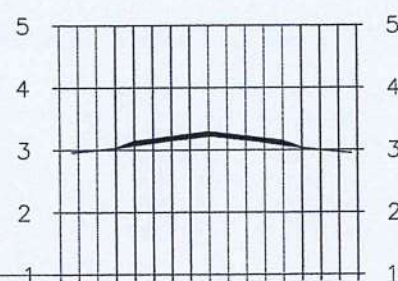
ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:

SECTION VIEW
STA. 0+560.00 - STA 0+660.00

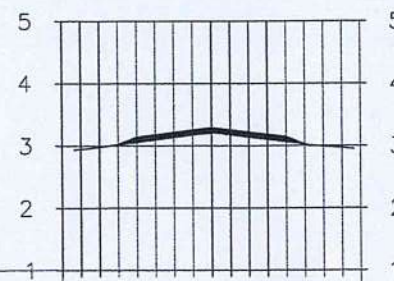
DRAWING SCALE:	SHEET NO:
AS SHOWN	CW
	11 20

0+560.00



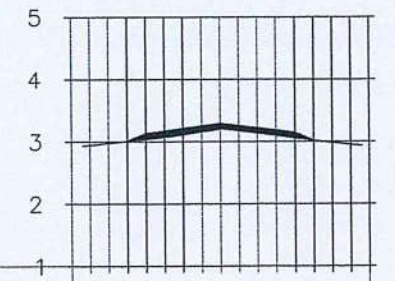
OVERLAY ELEVATIONS	3.03 3.04 3.18 3.21 3.25 3.25 3.18 3.15 3.03
EXISTING ELEVATIONS	2.97 3.00 3.07 3.12 3.16 3.19 3.22 3.16 3.08 3.00 2.97
MILL ELEVATIONS	
OFFSET	24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+580.00



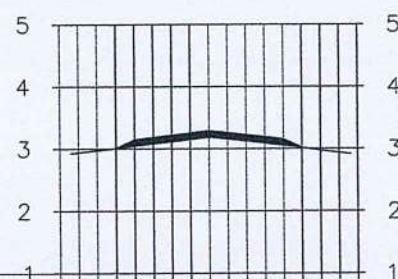
OVERLAY ELEVATIONS	3.02 3.02 3.14 3.21 3.25 3.25 3.18 3.14 3.02
EXISTING ELEVATIONS	2.95 2.98 3.02 3.06 3.10 3.13 3.17 3.21 3.14 3.10 3.06 2.99 2.97
MILL ELEVATIONS	
OFFSET	24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+600.00



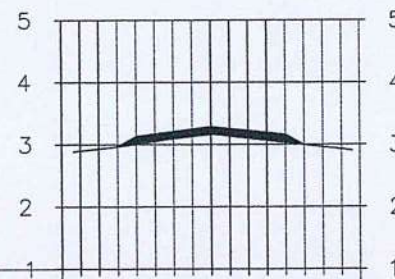
OVERLAY ELEVATIONS	3.01 3.01 3.13 3.17 3.21 3.25 3.25 3.18 3.15 3.02
EXISTING ELEVATIONS	2.95 2.98 3.01 3.04 3.07 3.11 3.16 3.20 3.17 3.14 3.10 3.06 2.98 2.95
MILL ELEVATIONS	
OFFSET	24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+620.00



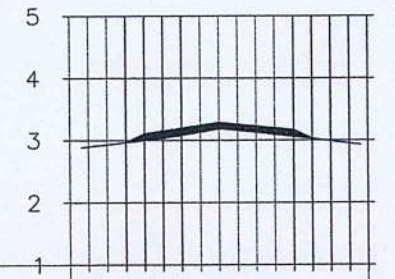
OVERLAY ELEVATIONS	3.00 3.00 3.14 3.18 3.22 3.25 3.25 3.19 3.15 3.01
EXISTING ELEVATIONS	2.94 2.97 3.00 3.04 3.08 3.12 3.15 3.18 3.16 3.13 3.09 3.05 3.01 2.97 2.94
MILL ELEVATIONS	
OFFSET	24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+640.00



OVERLAY ELEVATIONS	2.96 2.96 3.15 3.17 3.21 3.25 3.25 3.19 3.16 2.99
EXISTING ELEVATIONS	2.90 2.93 2.96 3.00 3.05 3.09 3.13 3.16 3.14 3.10 3.07 2.99 2.96 2.92
MILL ELEVATIONS	
OFFSET	24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+660.00



OVERLAY ELEVATIONS	2.97 2.97 3.10 3.15 3.19 3.24 3.25 3.17 3.17 3.02
EXISTING ELEVATIONS	2.90 2.93 2.97 3.00 3.03 3.08 3.13 3.16 3.13 3.09 3.06 3.02 2.99 2.95
MILL ELEVATIONS	
OFFSET	24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00



RUNWAY CROSS-SECTION VIEW

SCALE: 1:120M

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	1000
DRAWN BY:	1000
CHECKED BY:	

REVIEWED BY:


RAUL R. CRUZENA
Division Chief III, IDDD - ADMS

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

LT COL. VALENTINO A. DIONELA PAF (RET)
ADG II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

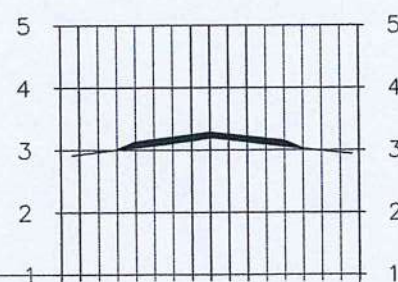
PROJECT:
ASPHALT OVERLAY OF RUNWAY

LOCATION:
ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:
SECTION VIEW
STA. 0+680.00 - STA. 0+780.00

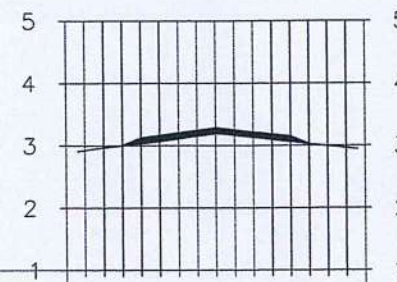
DRAWING SCALE:	SHEET NO.
AS SHOWN	CW
	12 20

0+680.00



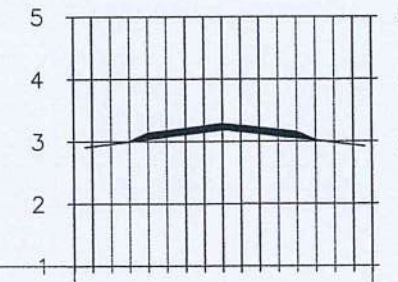
OVERLAY ELEVATIONS	3.01 3.13 3.17 3.24 3.25 3.18 3.15 3.02
EXISTING ELEVATIONS	2.93 2.97 3.01 3.04 3.07 3.11 3.15 3.17 3.13 3.10 3.06 3.02 2.99 2.96
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+700.00



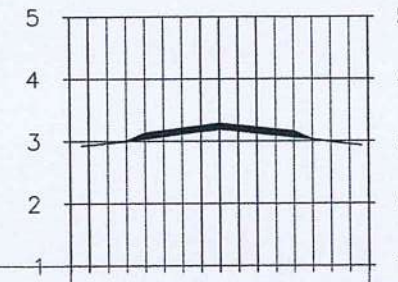
OVERLAY ELEVATIONS	3.00 3.12 3.16 3.20 3.24 3.25 3.18 3.15 3.02
EXISTING ELEVATIONS	2.92 2.97 3.00 3.03 3.07 3.11 3.15 3.17 3.13 3.10 3.06 3.02 2.99 2.97
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+720.00



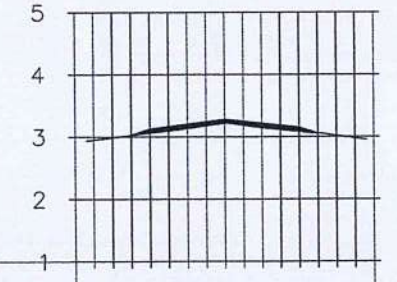
OVERLAY ELEVATIONS	3.00 3.14 3.17 3.21 3.25 3.28 3.25 3.18 3.15 3.02
EXISTING ELEVATIONS	2.92 2.96 3.00 3.04 3.07 3.11 3.15 3.18 3.16 3.12 3.08 3.05 3.02 2.98 2.94
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+740.00



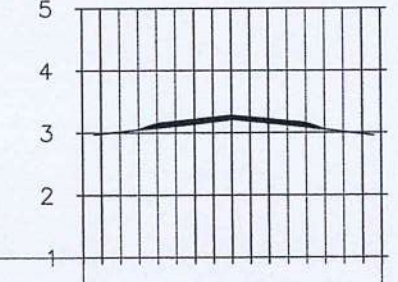
OVERLAY ELEVATIONS	3.00 3.13 3.17 3.24 3.25 3.19 3.16 3.03
EXISTING ELEVATIONS	2.94 2.97 3.00 3.04 3.08 3.12 3.16 3.19 3.13 3.09 3.06 3.03 2.99 2.95
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+760.00



OVERLAY ELEVATIONS	3.03 3.13 3.16 3.20 3.24 3.25 3.19 3.16 3.05
EXISTING ELEVATIONS	2.95 2.99 3.03 3.06 3.09 3.13 3.16 3.19 3.11 3.08 3.05 3.02 2.98
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+780.00



OVERLAY ELEVATIONS	3.05 3.15 3.18 3.21 3.25 3.28 3.25 3.19 3.15 3.05
EXISTING ELEVATIONS	2.98 3.02 3.05 3.08 3.11 3.14 3.18 3.21 3.19 3.16 3.12 3.09 3.05 3.01 2.98
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

11
CW-12 CW-12

RUNWAY CROSS-SECTION VIEW
SCALE: 1:120M



CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
BANGKOK, 10000

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AND/OR WRITTEN CONSENT FROM THE
DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND
DESIGN DIVISION

DESIGN STAFF	INITIAL / DATE
DESIGNED BY:	1000
DRAWN BY:	1000
CHECKED BY:	

REVIEWED BY:

RAUL R. CRUZENA
Division Chief III, IDDD - ADMS

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

LT COL. VALENTINO A. DIONELA PAF (RET)
ADG II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Division General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF RUNWAY

LOCATION:

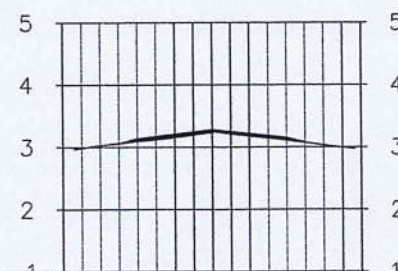
ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:

SECTION VIEW
STA. 0+800.00 - STA 0+900.00

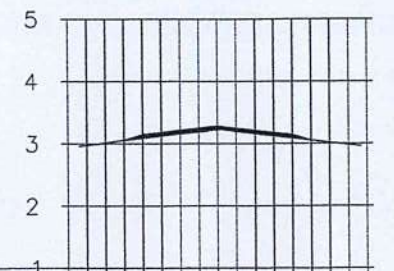
DRAWING SCALE:	SHEET NO.
AS SHOWN	CW
	13 20

0+800.00



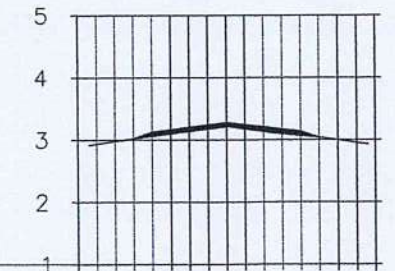
OVERLAY ELEVATIONS	3.06 3.13 3.17 3.21 3.24 3.28 3.25 3.21 3.18 3.14 3.15 3.07
EXISTING ELEVATIONS	2.99 3.02 3.06 3.09 3.12 3.16 3.20 3.24 3.21 3.18 3.14 3.11 3.07 3.00
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+820.00



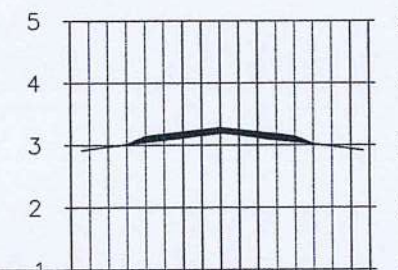
OVERLAY ELEVATIONS	3.05 3.14 3.18 3.21 3.25 3.28 3.25 3.21 3.18 3.14 3.05
EXISTING ELEVATIONS	2.98 3.02 3.05 3.09 3.13 3.16 3.19 3.23 3.20 3.16 3.13 3.09 3.02 2.98
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+840.00



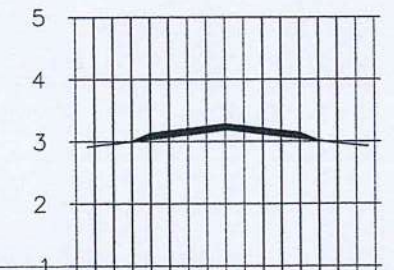
OVERLAY ELEVATIONS	3.02 3.13 3.16 3.20 3.24 3.28 3.21 3.17 3.14 3.04
EXISTING ELEVATIONS	2.94 2.98 3.02 3.06 3.10 3.14 3.18 3.21 3.18 3.14 3.10 3.07 3.04 2.96
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+860.00



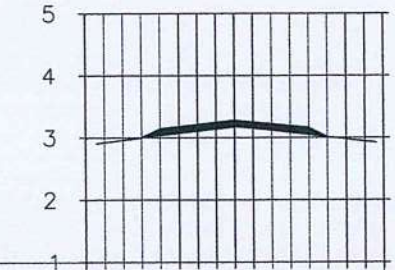
OVERLAY ELEVATIONS	3.01 3.14 3.17 3.21 3.24 3.28 3.21 3.17 3.14 3.01
EXISTING ELEVATIONS	2.94 2.97 3.01 3.05 3.08 3.12 3.15 3.19 3.16 3.12 3.08 3.05 3.01 2.98 2.94
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+880.00



OVERLAY ELEVATIONS	3.00 3.16 3.18 3.24 3.28 3.21 3.17 3.14 3.01
EXISTING ELEVATIONS	2.93 2.96 3.00 3.04 3.07 3.11 3.15 3.19 3.16 3.12 3.08 3.05 3.01 2.97 2.94
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

0+900.00



OVERLAY ELEVATIONS	3.00 3.14 3.18 3.21 3.24 3.28 3.21 3.17 3.14 3.01
EXISTING ELEVATIONS	2.92 2.96 3.00 3.03 3.07 3.11 3.14 3.17 3.15 3.12 3.08 3.05 3.01 2.98 2.94
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00



RUNWAY CROSS-SECTION VIEW

SCALE:

1:120M



CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
1000, 1000, 1000, 1000

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PHILIPPINES AND MUST NOT BE REPRODUCED,
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AND/OR WRITTEN CONSENT FROM THE
DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND
DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	IDDD
DRAWN BY:	IDDD
CHECKED BY:	

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD - ADMS

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

LT COL. VALENTINO A. DIONELA PAF (RET.)
ADG II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:
ASPHALT OVERLAY OF RUNWAY

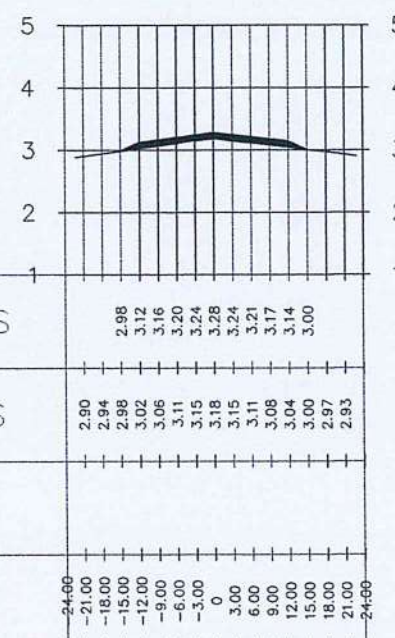
LOCATION:
ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:

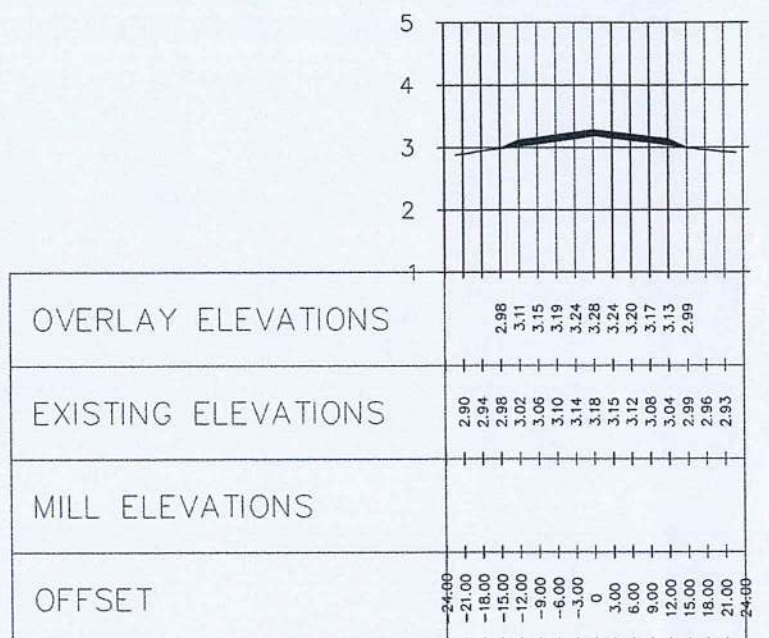
SECTION VIEW
STA. 0+920.00 - STA 1+020.00

DRAWING SCALE:	SHEET NO.
AS SHOWN	CW
	14 20

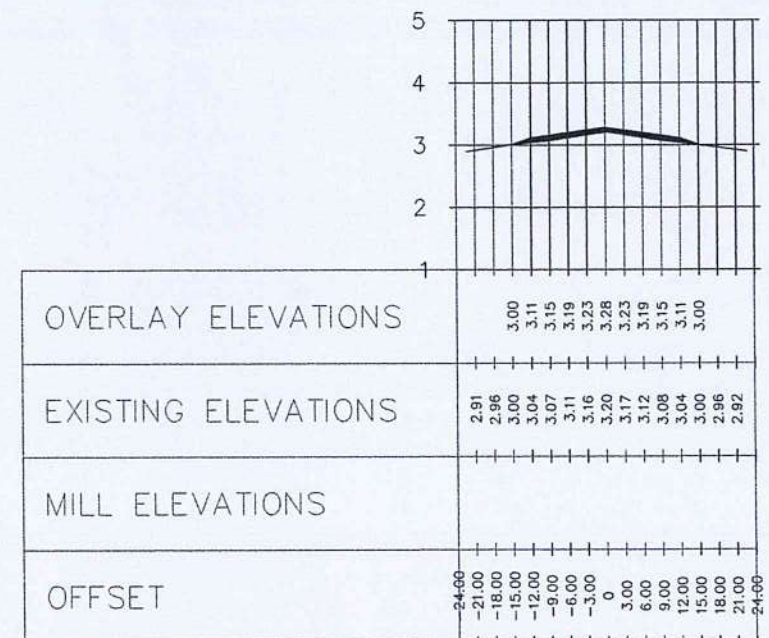
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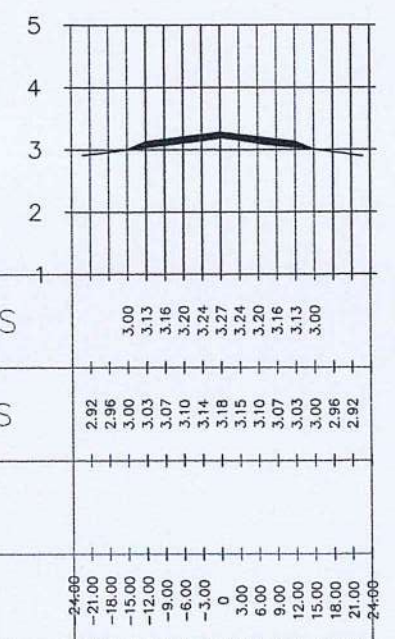
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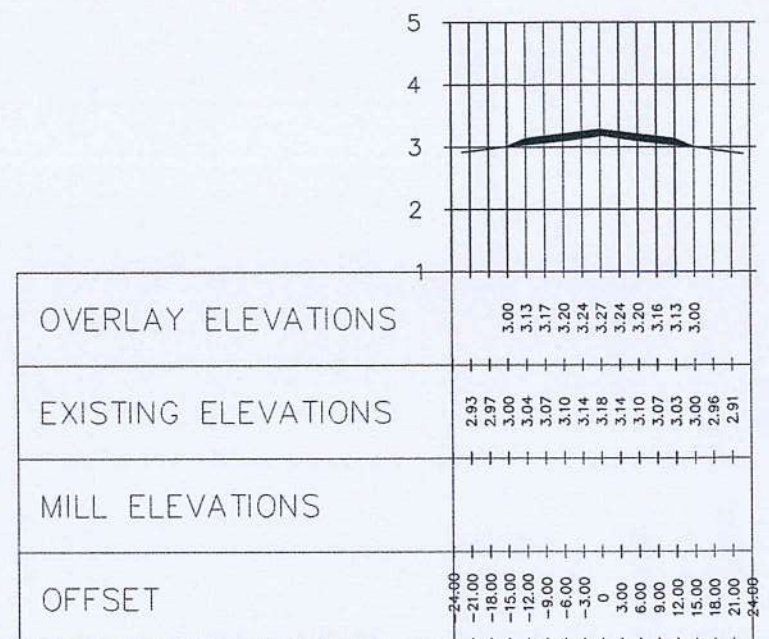
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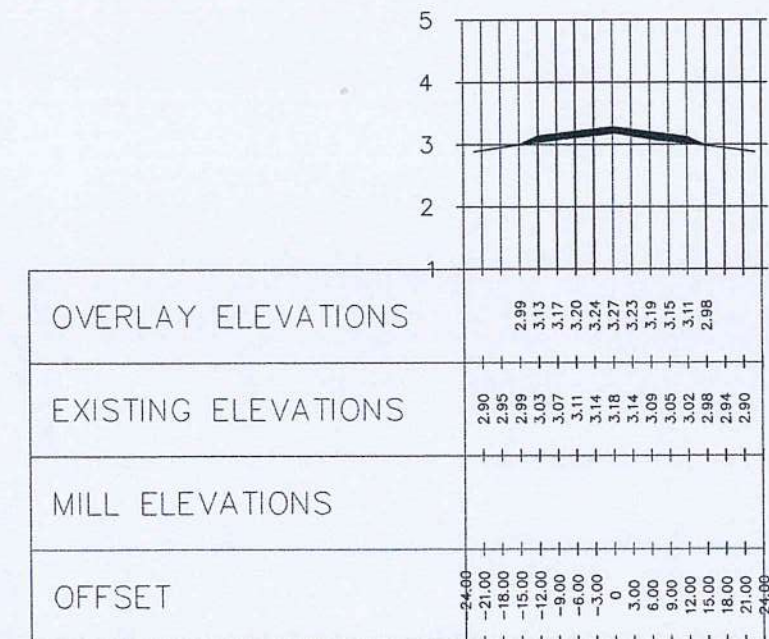
0+980.00



1+000.00



1+020.00



13
CH-14 CH-14

13 RUNWAY CROSS-SECTION VIEW

SCALE: 1:120M



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:	IDDD
DRAWN BY:	IDDD
CHECKED BY:	

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD - ADMS

SUBMITTED BY:
ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

LT COL VALENTINO A. DIONELA PAF (RET)
ADG II, ADMS

APPROVED:
CAPTAIN MARCELO ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF RUNWAY

LOCATION:

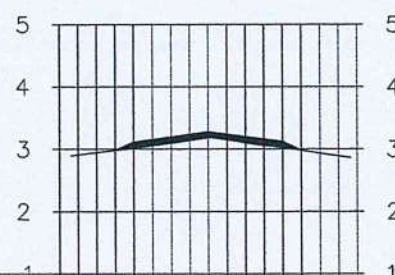
ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:

SECTION VIEW
STA. 1+040.00 - STA 1+140.00

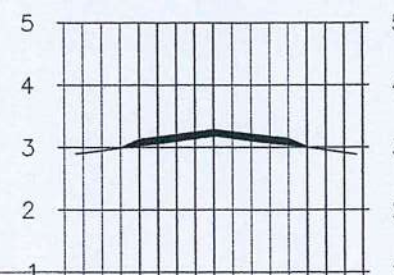
DRAWING SCALE:	SHEET NO.
AS SHOWN	CW
	15 20

1+040.00



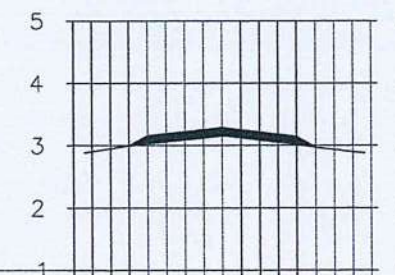
OVERLAY ELEVATIONS	2.98 3.11 3.15 3.19 3.24 3.28 3.20 3.16 3.12 2.98
EXISTING ELEVATIONS	2.91 2.94 2.98 3.01 3.05 3.10 3.14 3.18 3.10 3.02 2.98 2.93 2.89
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

1+060.00



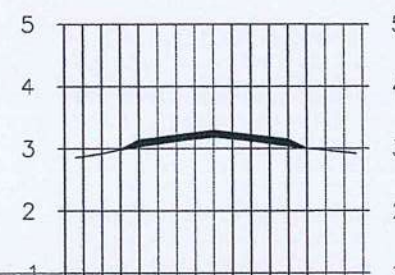
OVERLAY ELEVATIONS	2.99 3.12 3.16 3.20 3.24 3.28 3.25 3.21 3.18 3.04 3.01
EXISTING ELEVATIONS	2.91 2.95 2.99 3.03 3.06 3.10 3.14 3.18 3.15 3.07 3.01 2.96 2.91
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

1+080.00



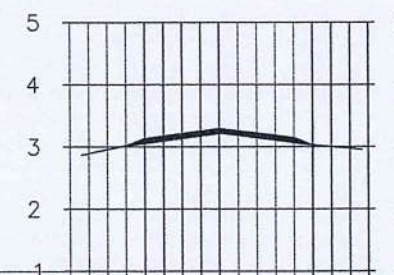
OVERLAY ELEVATIONS	2.99 3.16 3.19 3.22 3.25 3.28 3.25 3.21 3.18 3.14 2.97
EXISTING ELEVATIONS	2.90 2.95 2.99 3.03 3.06 3.09 3.12 3.15 3.12 3.09 3.05 2.97 2.90
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

1+100.00



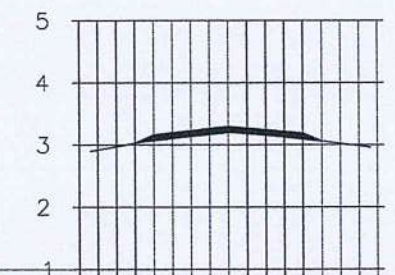
OVERLAY ELEVATIONS	2.98 3.13 3.17 3.21 3.25 3.25 3.18 3.12 3.04 3.00
EXISTING ELEVATIONS	2.87 2.92 2.96 3.03 3.08 3.12 3.15 3.16 3.08 3.04 2.97 2.94
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

1+120.00



OVERLAY ELEVATIONS	3.02 3.13 3.17 3.21 3.25 3.25 3.18 3.12 3.03 3.00
EXISTING ELEVATIONS	2.89 2.96 3.02 3.05 3.10 3.13 3.17 3.21 3.15 3.07 3.03 2.98
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

1+140.00



OVERLAY ELEVATIONS	3.03 3.16 3.19 3.23 3.26 3.27 3.24 3.21 3.19 3.06
EXISTING ELEVATIONS	2.92 2.97 3.03 3.07 3.10 3.14 3.17 3.20 3.15 3.09 3.06 2.98
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

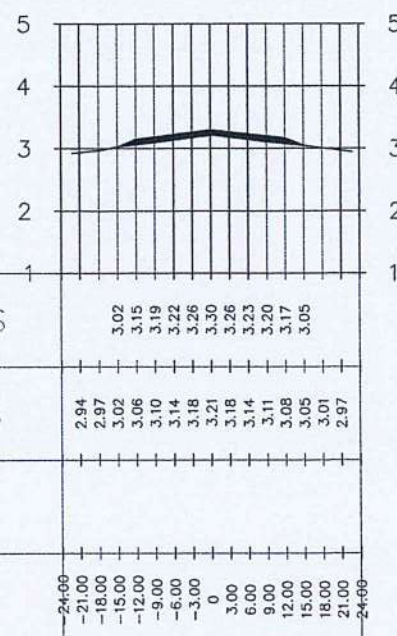
14
CW-15 CW-15

RUNWAY CROSS-SECTION VIEW

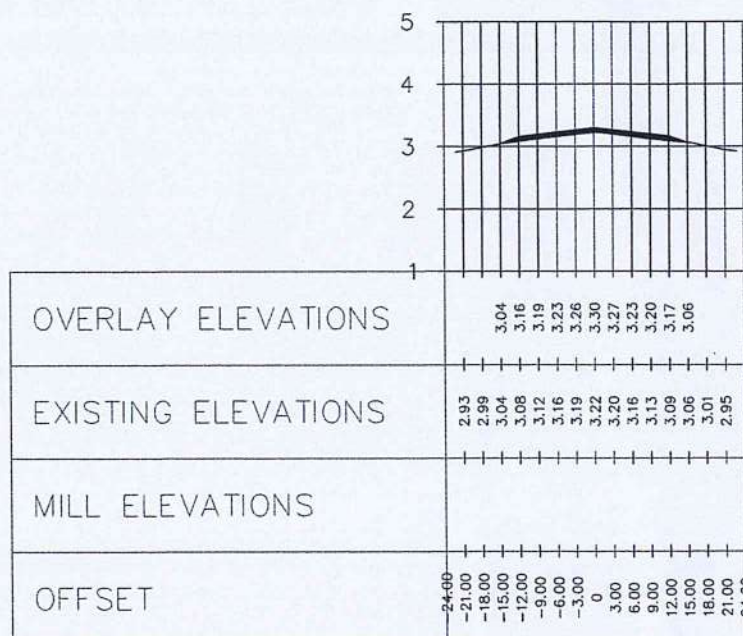
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1:120M

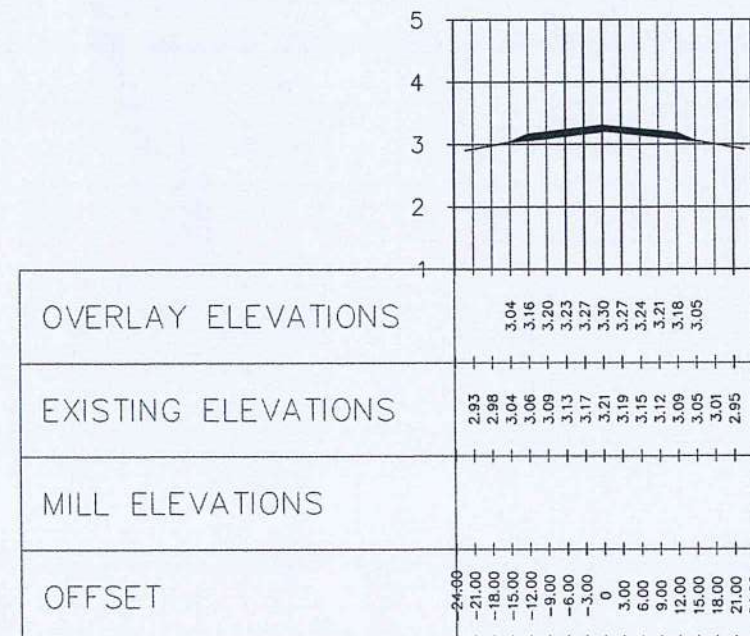
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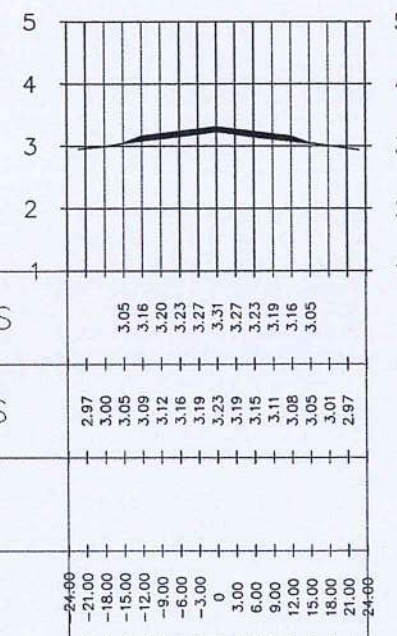
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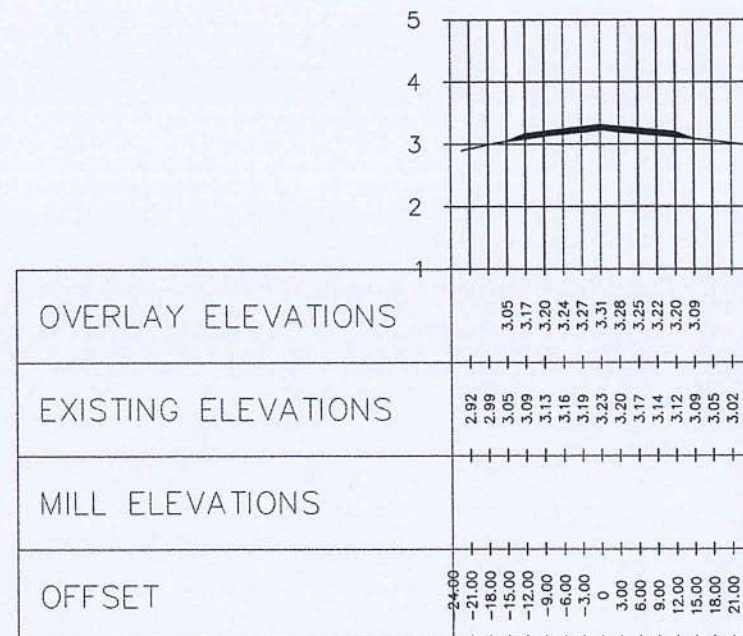
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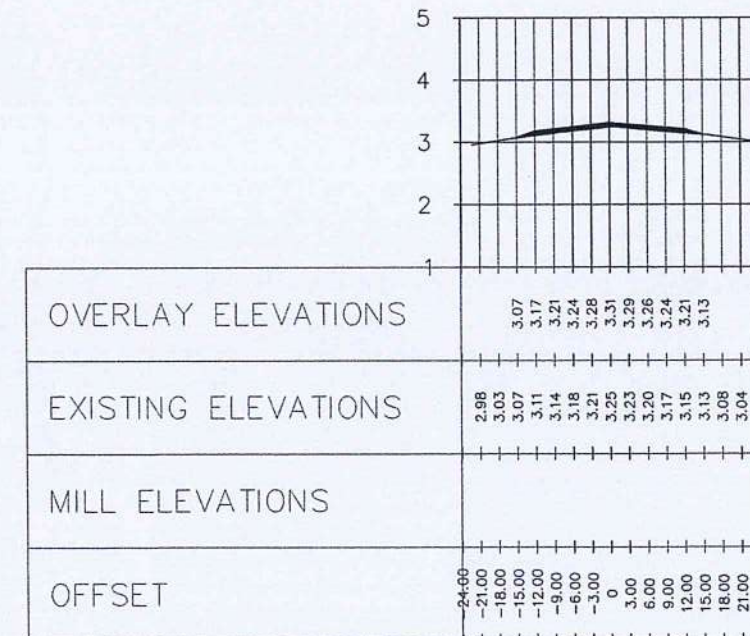
1+220.00



1+240.00



1+260.00



CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
1000, 10000, 100000, 1000000

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE

DESIGNED BY: IDDD

DRAWN BY: IDDD

CHECKED BY: IDDD

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD - ADMS

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

LT COL VALENTINO A. DIONELA PAF (RET)
ADG II, ADMS

APPROVED:

CAPTAIN MANSERANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF RUNWAY

LOCATION:

ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:

SECTION VIEW
STA. 1+160.00 - STA 1+260.00

DRAWING SCALE: SHEET NO.

AS SHOWN CW

16 20



RUNWAY CROSS-SECTION VIEW

SCALE:

1:120M



CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
1000, 1000-1000

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AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND
DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	1000
DRAWN BY:	1000
CHECKED BY:	

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDO - ADMS

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

LT COL. VALENTINO A. DIONELA PAF (RET.)
ADMS

APPROVED:

CAPTAIN MARCELINO ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:
ASPHALT OVERLAY OF RUNWAY

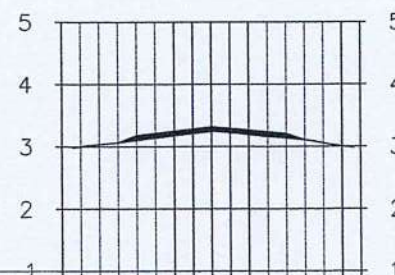
LOCATION:
ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:

SECTION VIEW
STA. 1+280.00 - STA 1+380.00

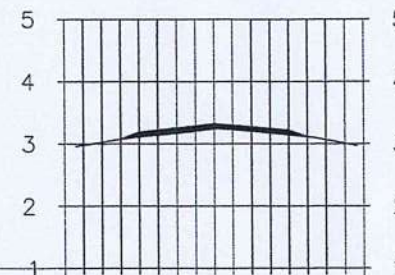
DRAWING SCALE:	SHEET NO:
AS SHOWN	CW
	17 20

1+280.00



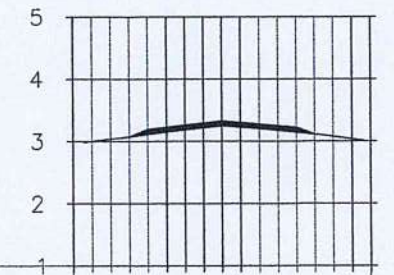
OVERLAY ELEVATIONS	3.06 3.03 3.18 3.21 3.25 3.28 3.32 3.29 3.26 3.23 3.21 3.11
EXISTING ELEVATIONS	3.00 3.03 3.11 3.14 3.17 3.21 3.25 3.22 3.19 3.16 3.14 3.01
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

1+300.00



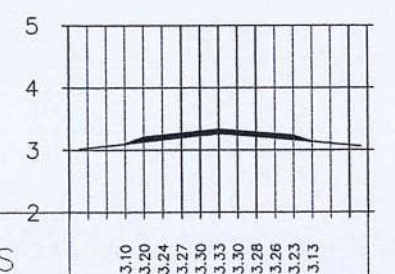
OVERLAY ELEVATIONS	3.07 3.18 3.22 3.25 3.29 3.32 3.29 3.27 3.24 3.22 3.12 3.01
EXISTING ELEVATIONS	2.98 3.03 3.11 3.14 3.17 3.21 3.25 3.22 3.17 3.14 3.12 3.01
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

1+320.00



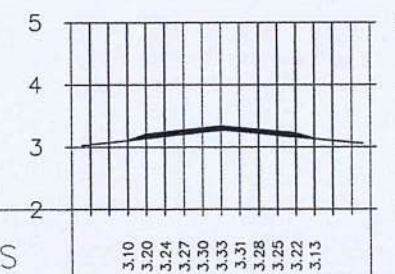
OVERLAY ELEVATIONS	3.08 3.04 3.19 3.22 3.26 3.29 3.32 3.30 3.27 3.25 3.11
EXISTING ELEVATIONS	3.00 3.04 3.11 3.15 3.18 3.22 3.25 3.20 3.14 3.11 3.08 3.04
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

1+340.00



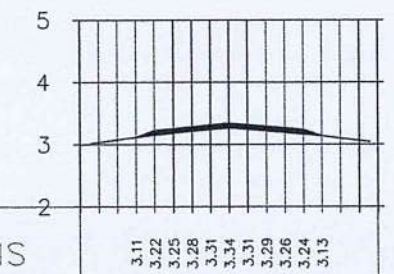
OVERLAY ELEVATIONS	3.10 3.20 3.24 3.27 3.30 3.33 3.30 3.28 3.26 3.23 3.13
EXISTING ELEVATIONS	3.03 3.06 3.10 3.13 3.17 3.20 3.23 3.24 3.22 3.19 3.16 3.07
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

1+360.00



OVERLAY ELEVATIONS	3.10 3.24 3.27 3.30 3.33 3.30 3.28 3.25 3.22 3.13
EXISTING ELEVATIONS	3.04 3.07 3.10 3.14 3.17 3.21 3.24 3.25 3.22 3.16 3.13 3.07
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

1+380.00



OVERLAY ELEVATIONS	3.11 3.22 3.25 3.28 3.31 3.34 3.31 3.29 3.26 3.24 3.13
EXISTING ELEVATIONS	3.03 3.07 3.11 3.15 3.18 3.21 3.24 3.26 3.22 3.16 3.13 3.06
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

16
CW-17 CW-17

RUNWAY CROSS-SECTION VIEW

SCALE:

1:120M



CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
1000 N. E. A. Road, 1000 N. E. A. Road, 1000 N. E. A. Road

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE

DESIGNED BY: IDDD

DRAWN BY: IDDD

CHECKED BY: IDDD

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD - ADMS

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

LT COL VALENTINO A. DIONELA PAF (RET)
ADG II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF RUNWAY

LOCATION:

ROXAS AIRPORT
ROXAS CITY, CAPIZ

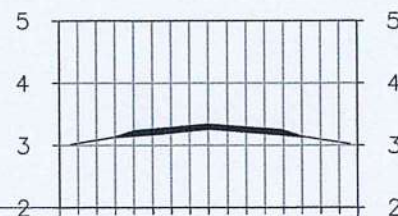
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SECTION VIEW
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DRAWING SCALE: SHEET NO.

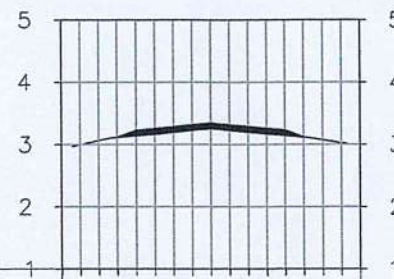
AS SHOWN CW
18 20

1+400.00



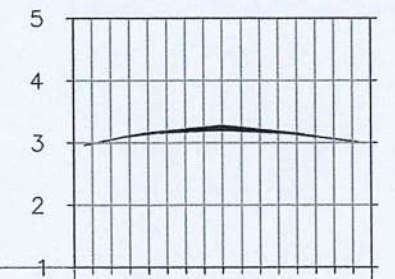
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EXISTING ELEVATIONS	3.03 3.09 3.13 3.16 3.18 3.20 3.26 3.24 3.19 3.17 3.14 3.05
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

1+420.00



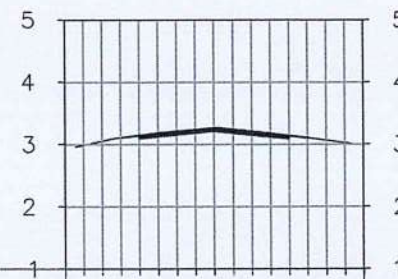
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EXISTING ELEVATIONS	3.00 3.07 3.12 3.14 3.17 3.20 3.23 3.26 3.20 3.17 3.12 3.03
MILL ELEVATIONS	
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

1+437.00



OVERLAY ELEVATIONS	3.11 3.16 3.19 3.22 3.24 3.27 3.24 3.21 3.18 3.15 3.10
EXISTING ELEVATIONS	2.99 3.05 3.11 3.15 3.18 3.20 3.23 3.26 3.24 3.21 3.18 3.14 3.06 3.02
MILL ELEVATIONS	3.11 3.16 3.17 3.18 3.20 3.23 3.21 3.19 3.18 3.17 3.10
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00

1+440.00



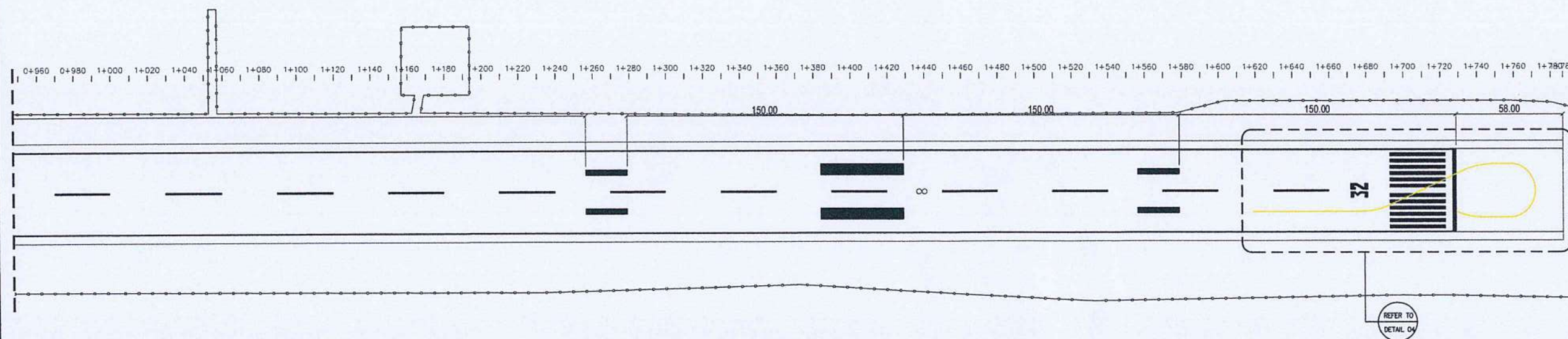
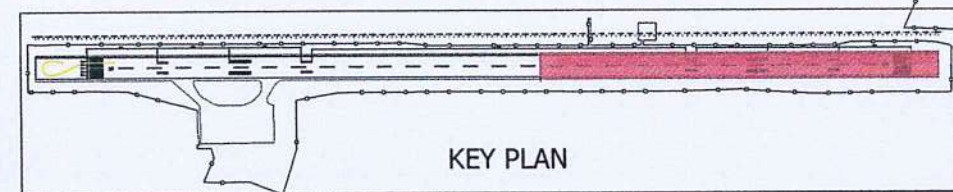
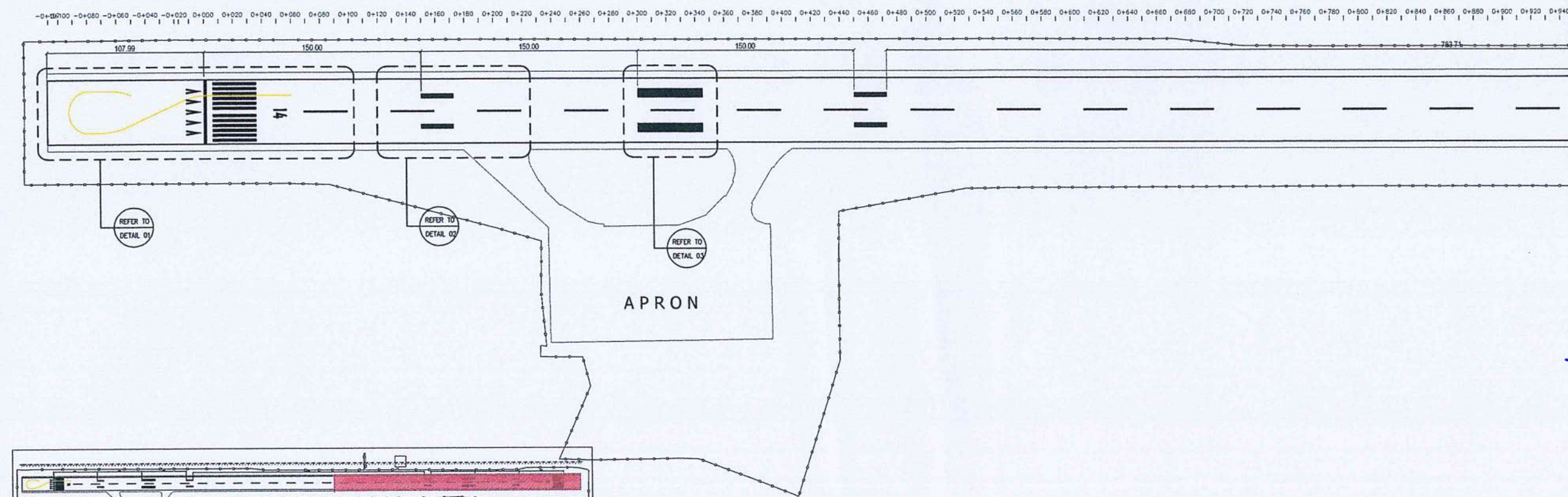
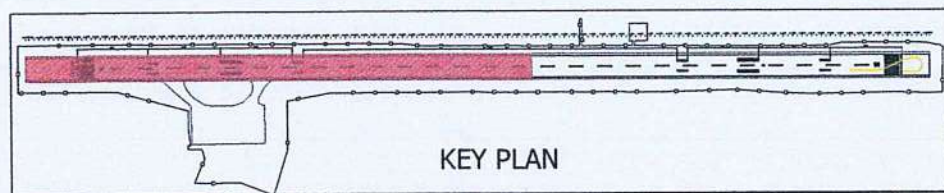
OVERLAY ELEVATIONS	3.11 3.14 3.17 3.20 3.23 3.26 3.23 3.20 3.17 3.14 3.10
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MILL ELEVATIONS	3.11 3.09 3.12 3.15 3.18 3.21 3.18 3.15 3.12 3.09 3.10
OFFSET	-24.00 -21.00 -18.00 -15.00 -12.00 -9.00 -6.00 -3.00 0 3.00 6.00 9.00 12.00 15.00 18.00 21.00 24.00



RUNWAY CROSS-SECTION VIEW

SCALE:

1:120M



18
CH-19 CH-19

RUNWAY MARKINGS LAYOUT SCALE: 1:320M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	IDDD
DRAWN BY:	IDDD
CHECKED BY:	

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD - ADMS

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

LT COL VALENTINO A. DIONELA PAF (RET)
ADG II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

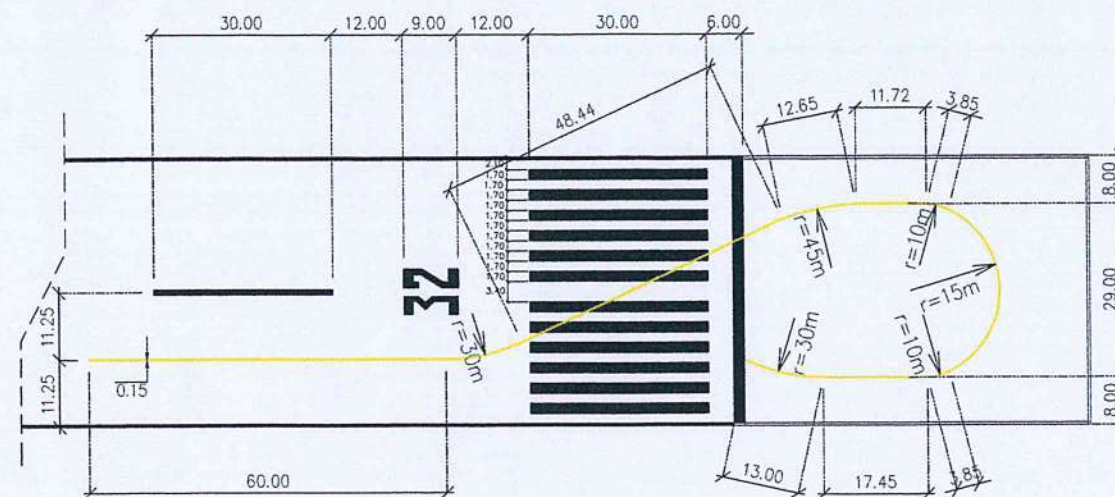
NOTES/REVISIONS:

PROJECT:
ASPHALT OVERLAY OF RUNWAY

LOCATION:
ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:
RUNWAY MARKINGS LAYOUT

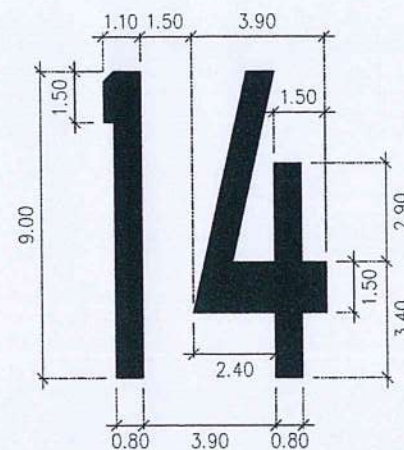
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AS SHOWN	CW
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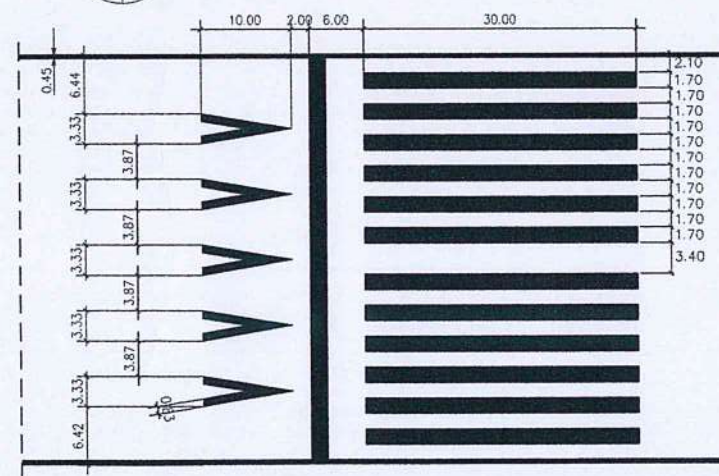
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CIR-19 CIR-20

DETAIL 04
RUNWAY MARKINGS

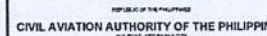
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[illegible]

23 CN-20 CN-20 RUNWAY DESIGNATION NUMBERS RUNWAY MARKINGS SCALE: NTS.



BLOW-UP (DISPLACED THRESHOLD @ RWY14)



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AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND
DESIGN DIVISION

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

DESIGNED BY:	1000	
--------------	------	--

<u>DRAWN BY:</u>	IDD
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CHECKED BY:		
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REVIEWED BY:

RAUL R. CRUCENA
Division Chief II, IDDO - ADM

SUBMITTED BY

ARNE E. BORLAND

ARNEL F. BURLADO
Department Manager III, AED-ADMS

RECOMMENDED APPROVAL:

LT COL VALENTINO A DIONELA

ADG II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TALAUE
Director General

NOTES/REVISIONS:

PROJECT:

ASPHALT OVERLAY OF RUNWAY

LOCATION:

ROXAS AIRPORT
ROXAS CITY, CAPIZ

SHEET CONTENTS:

RUNWAY MARKINGS DETAILS

DRAWING SCALE:	SHEET NO:
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AS SHOWN	CW
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AS SHOWN	20	
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