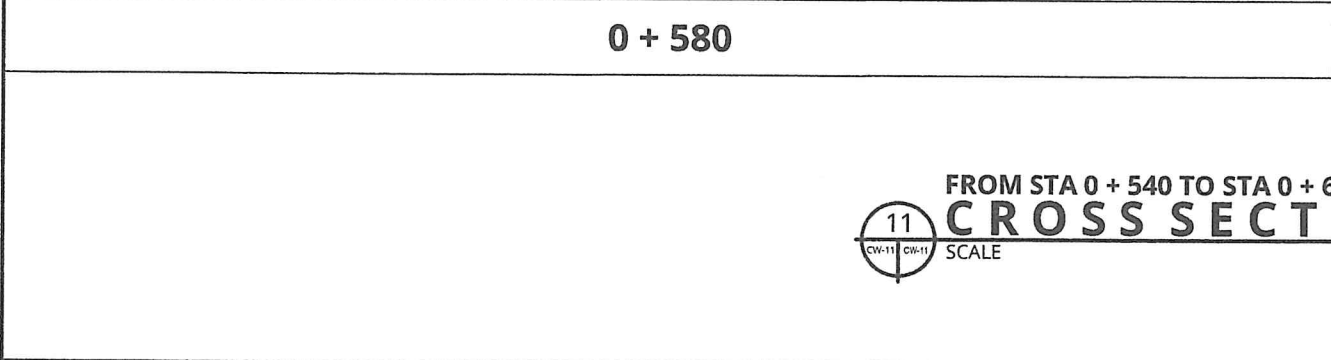
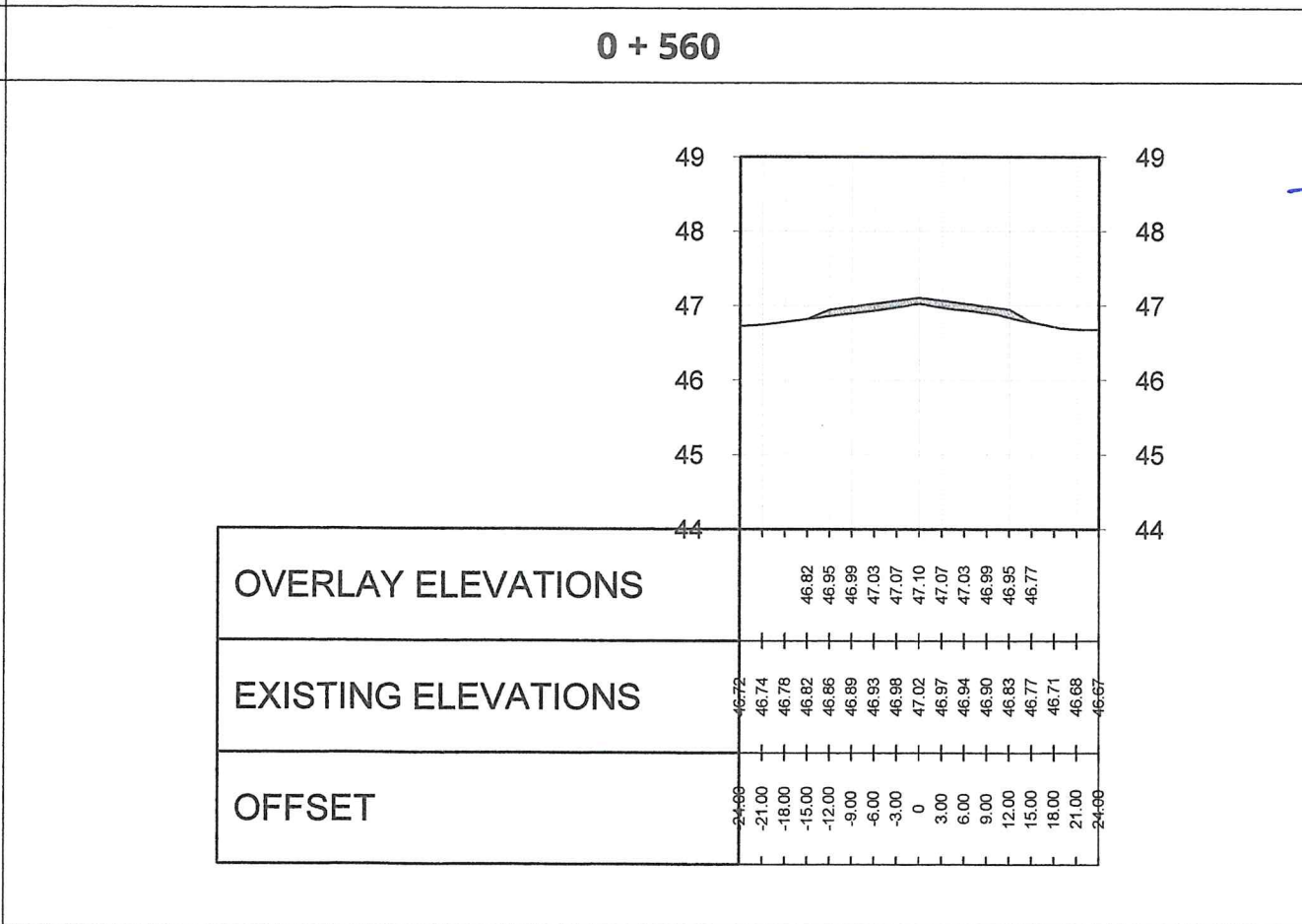
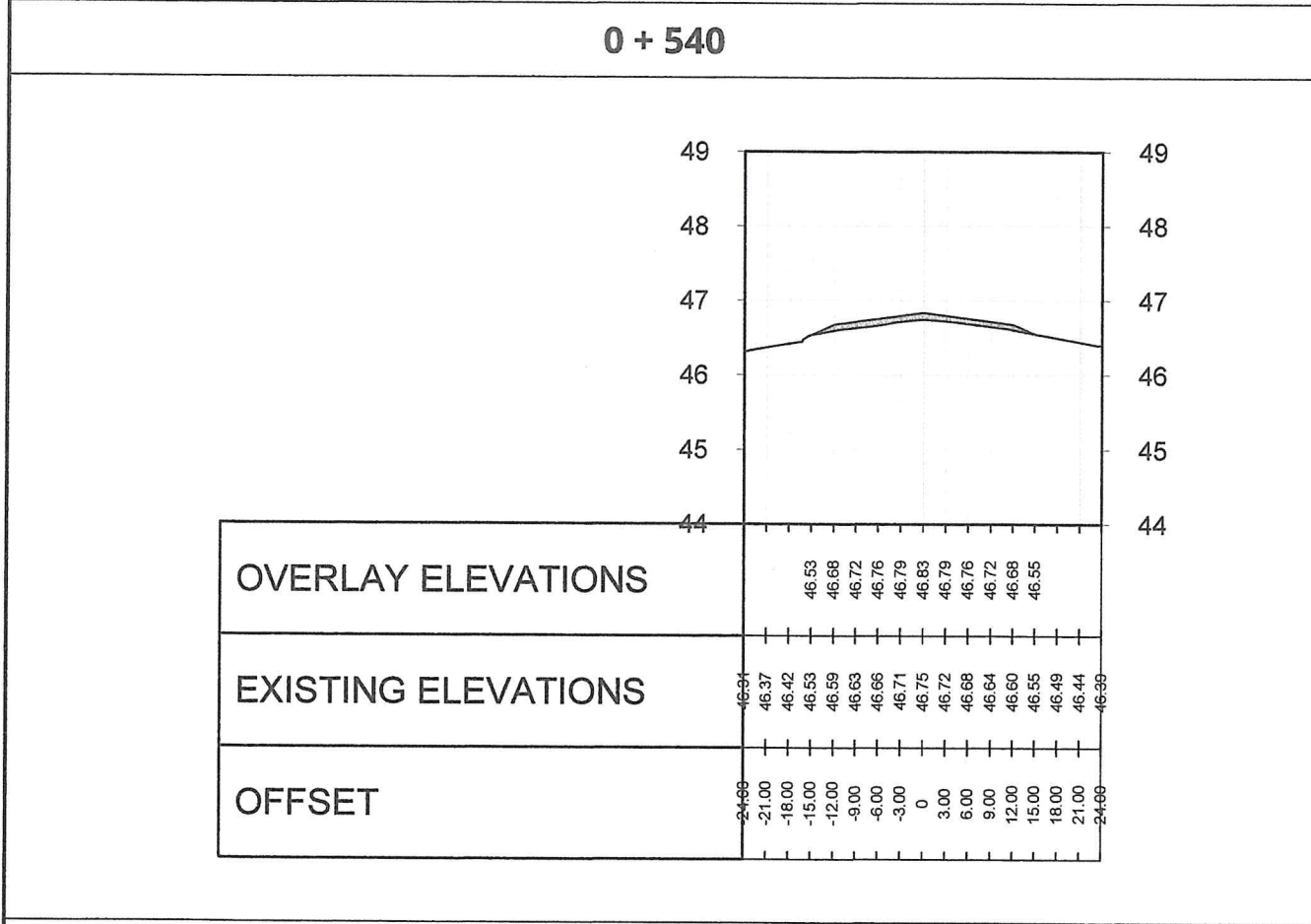
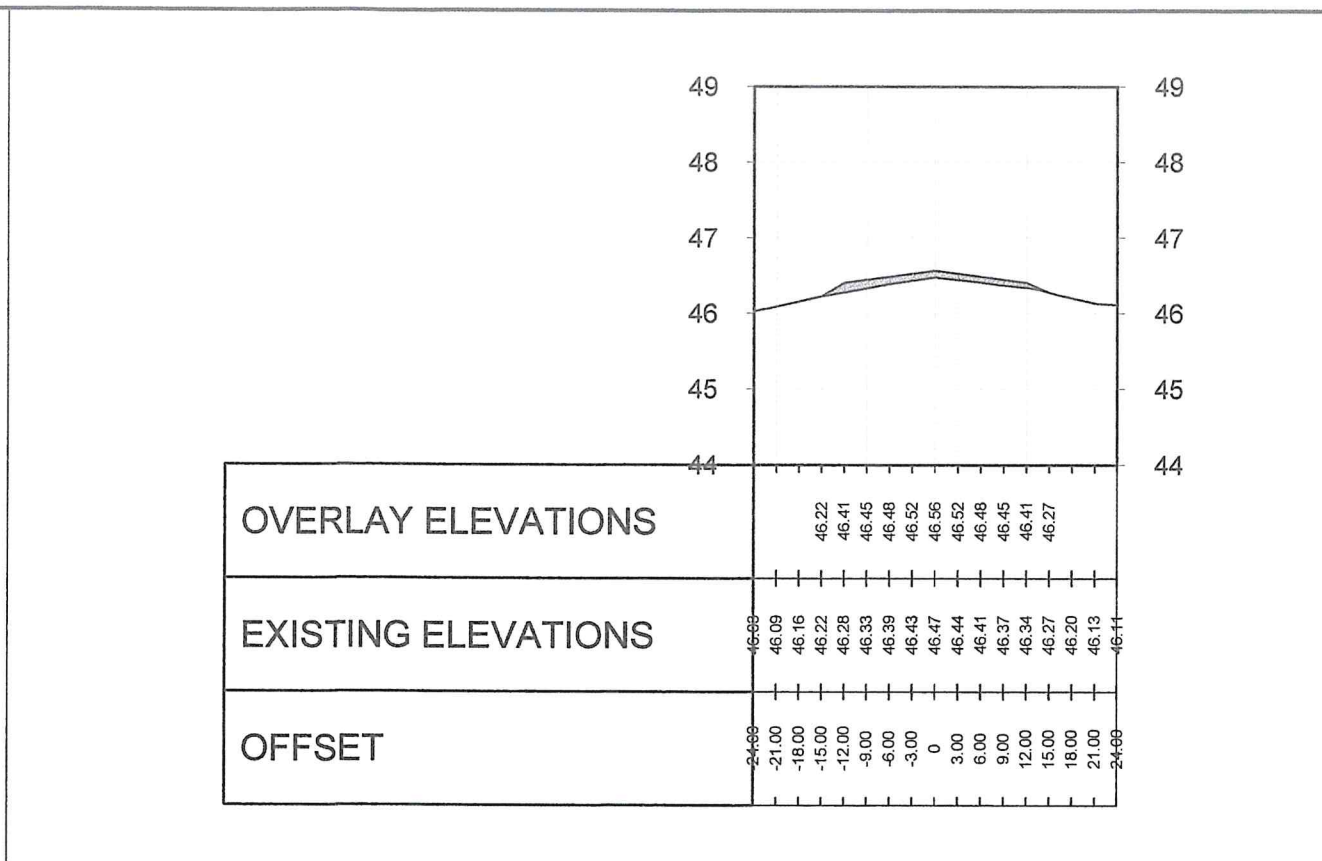
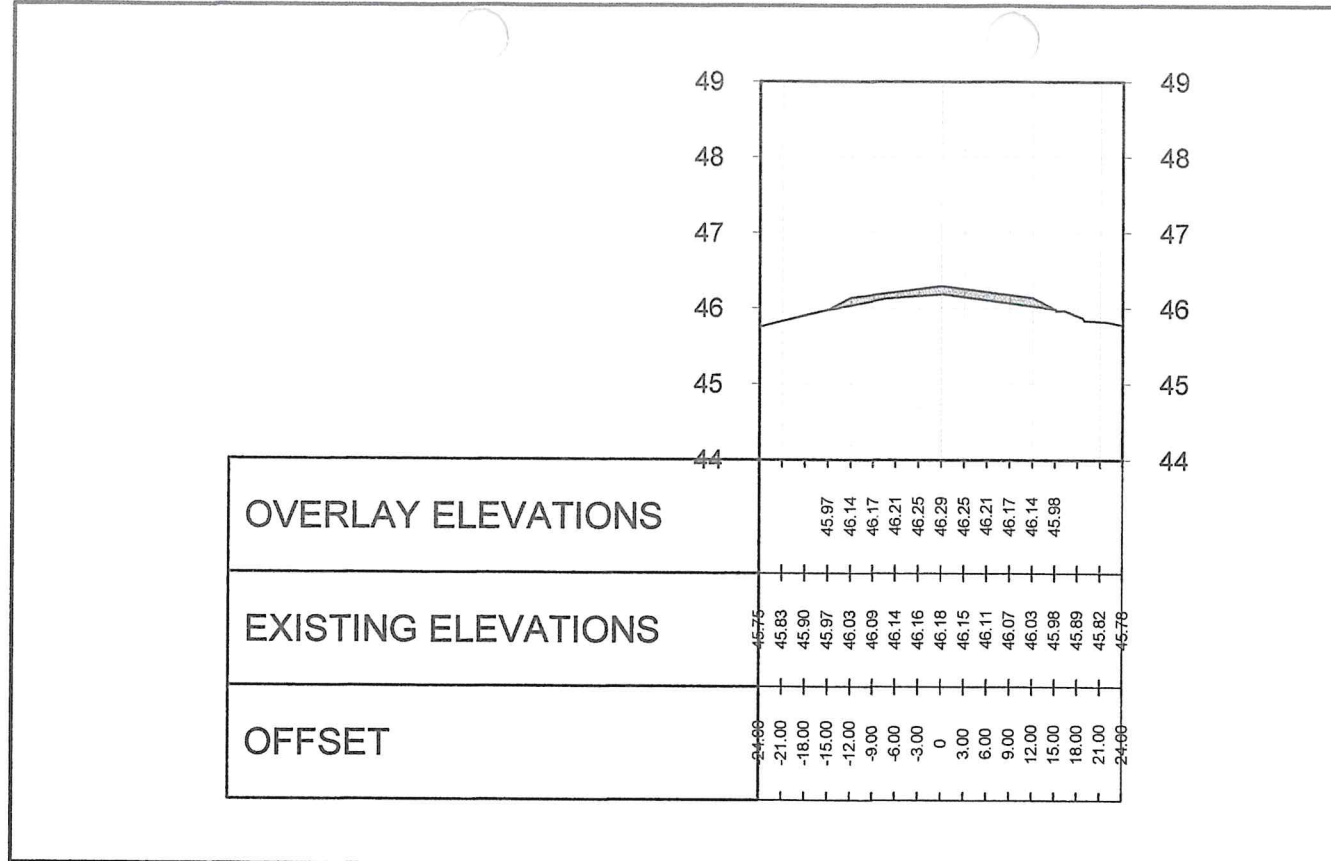






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MIA ROAD, 1300 PASAY CITY

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

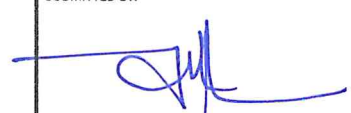
DESIGN STAFF	INITIAL/DATE
DESIGNED BY:	IDDD
DRAWN BY:	
REVIEWED BY:	
DATE:	

CHECKED BY:



RAUL R. CRUCENA
Division Chief III, IDDD

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:



CAPTAIN MANUEL ANTONIO L. TAMAYO
DIRECTOR GENERAL

NOTE/REVISIONS:

PROJECT TITLE:

ASPHALT OVERLAY OF RUNWAY AT NAGA AIRPORT

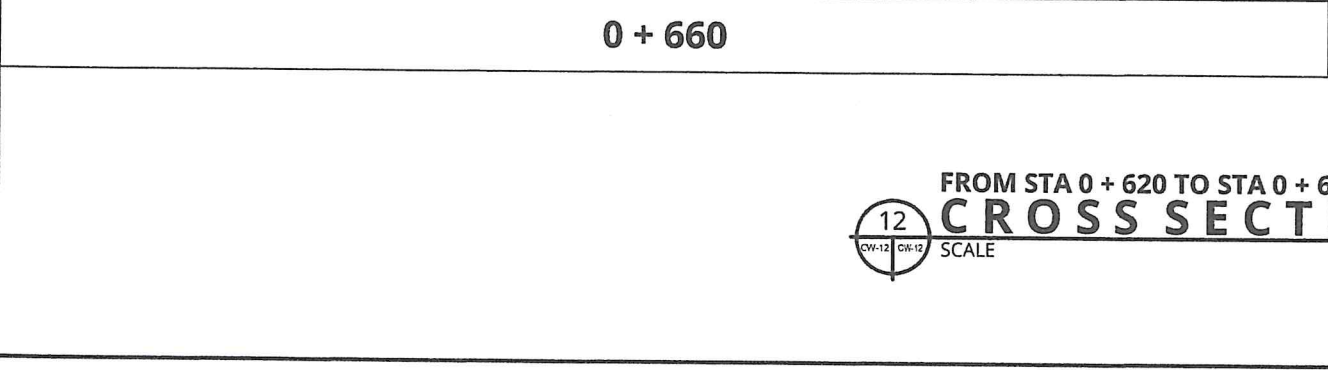
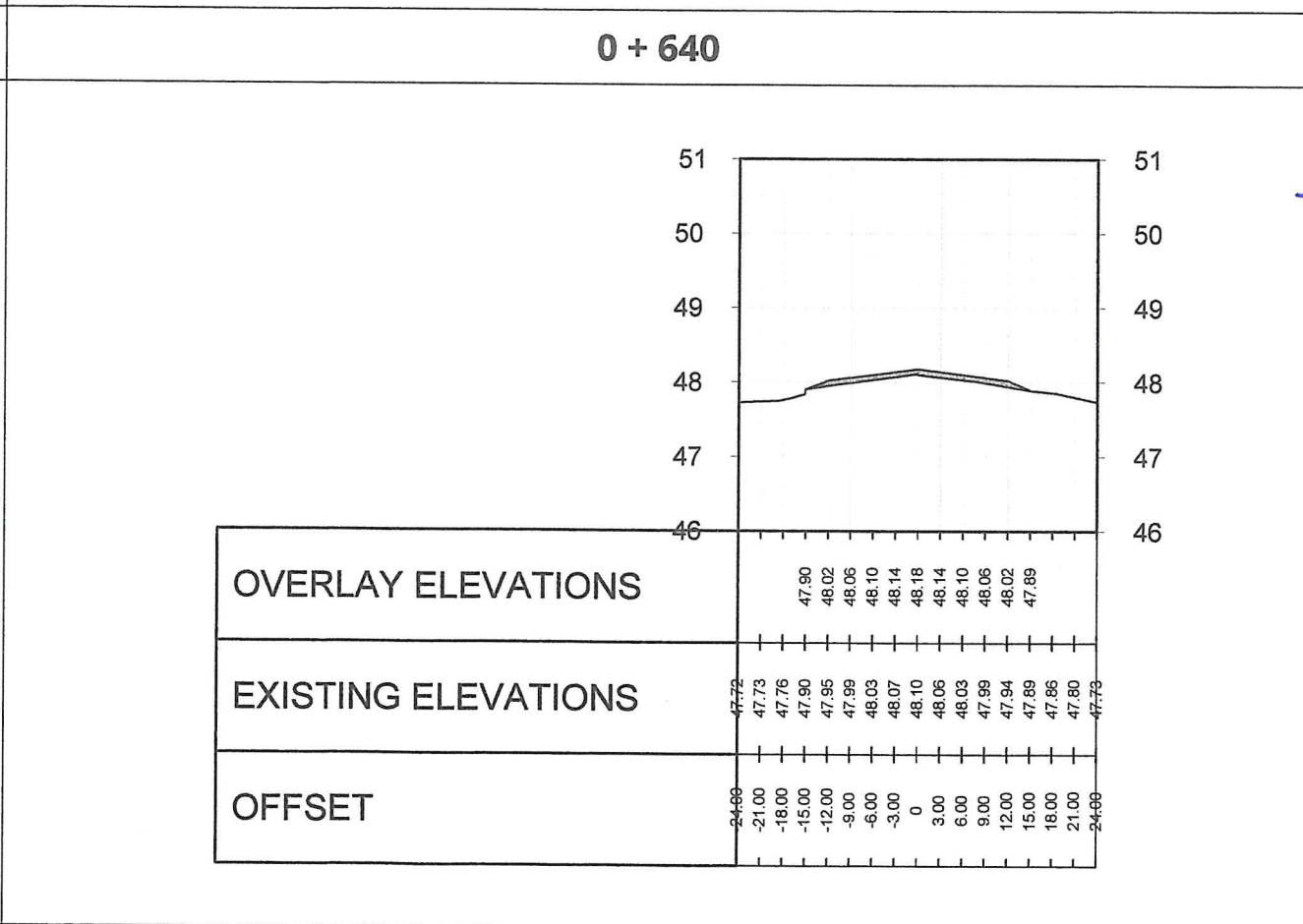
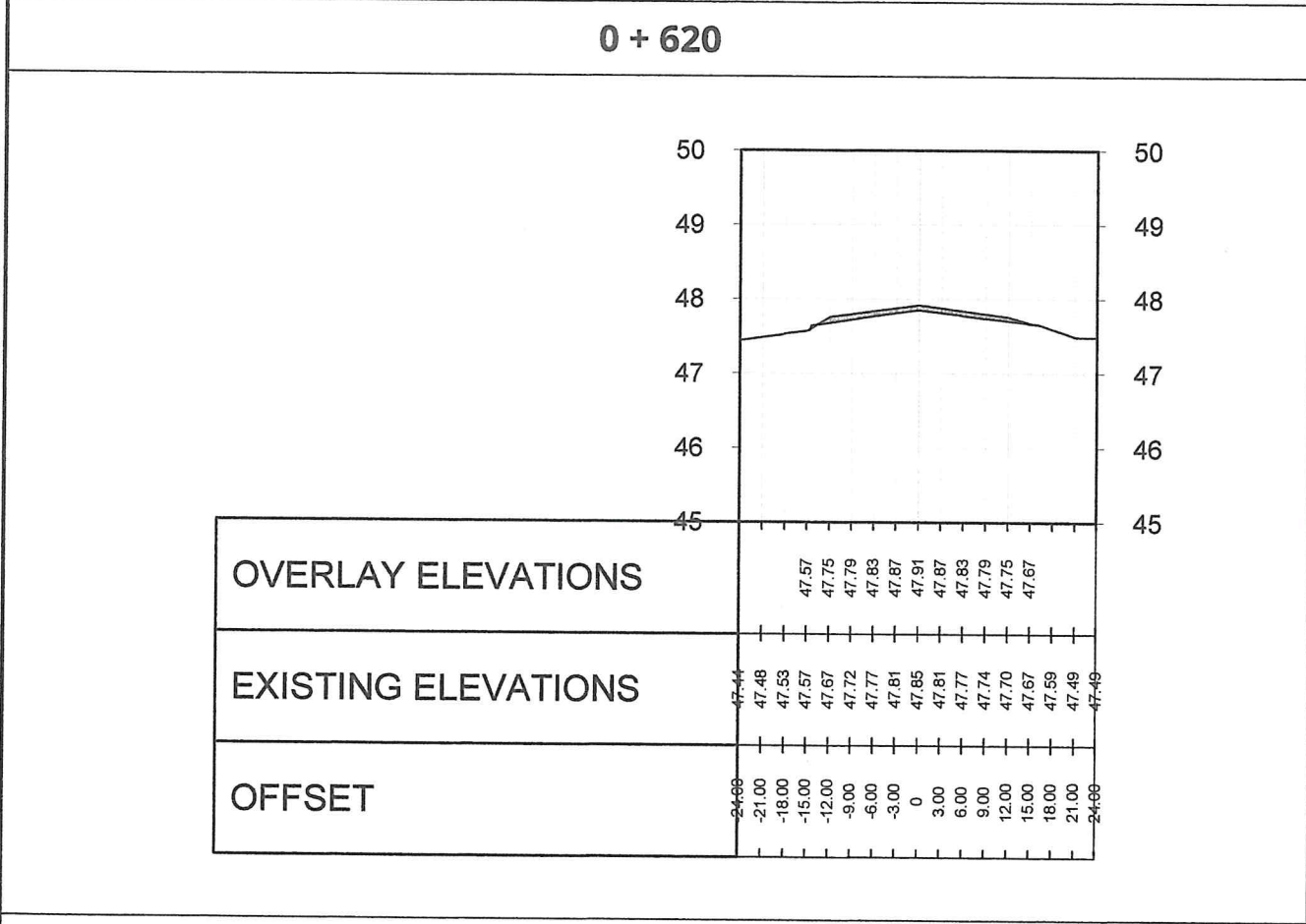
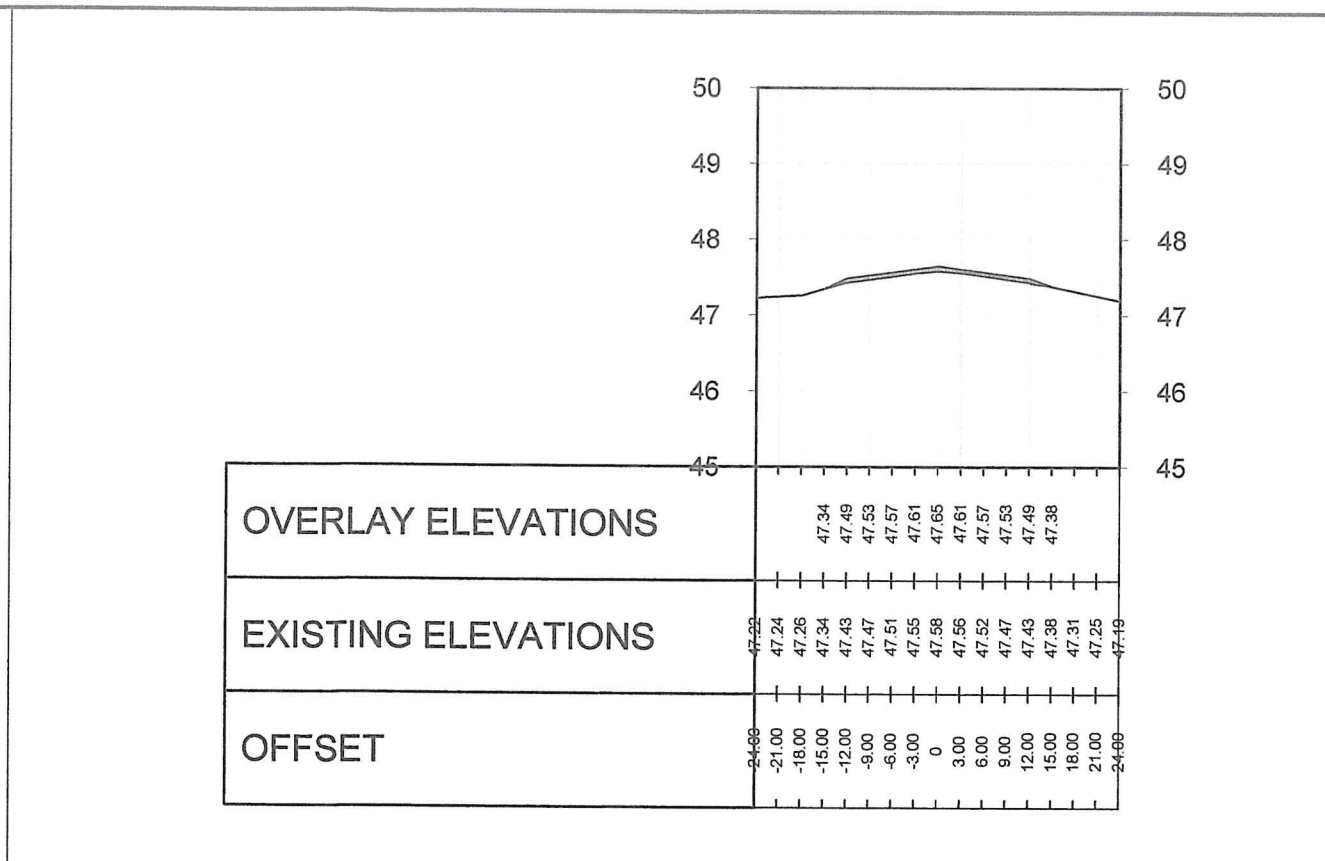
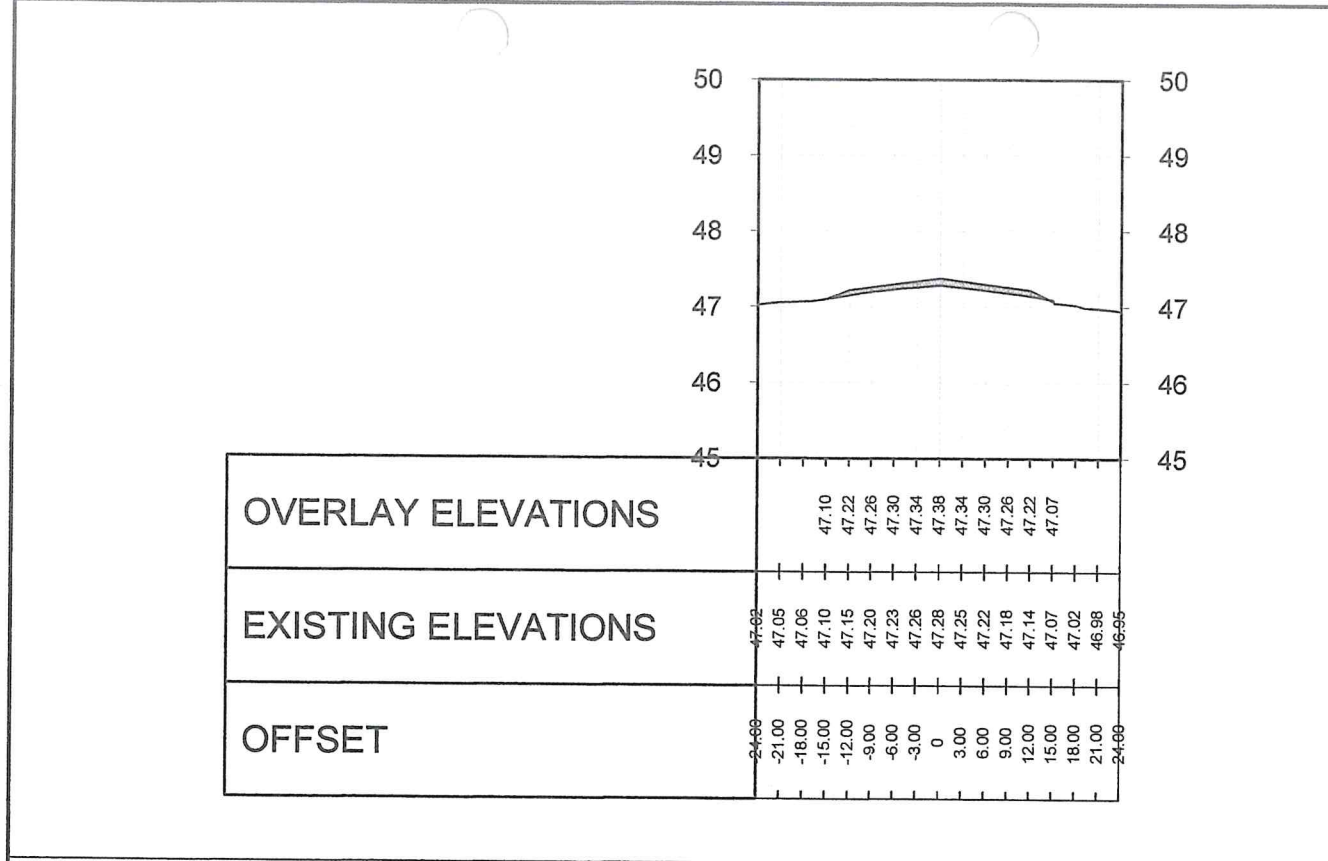
LOCATION:

NAGA AIRPORT
BRGY. SAN JOSE, PILI, CAMARINES SUR

SHEET CONTENTS:

• CROSS SECTION VIEWS
(FROM STA 0 + 540 TO STA 0 + 600)

DRAWING SCALE:	SHEET NO.:
AS SHOWN	CW - 11
	11 16





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AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN
DIVISION

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

CHECKED BY:


RAUL R. CRUCENA
Division Chief III, IDDD

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:


CAPTAIN MANUEL ANTONIO L. TAMAYO
DIRECTOR GENERAL

NOTE/REVISIONS:

PROJECT TITLE:

ASPHALT OVERLAY
OF RUNWAY AT NAGA AIRPORT

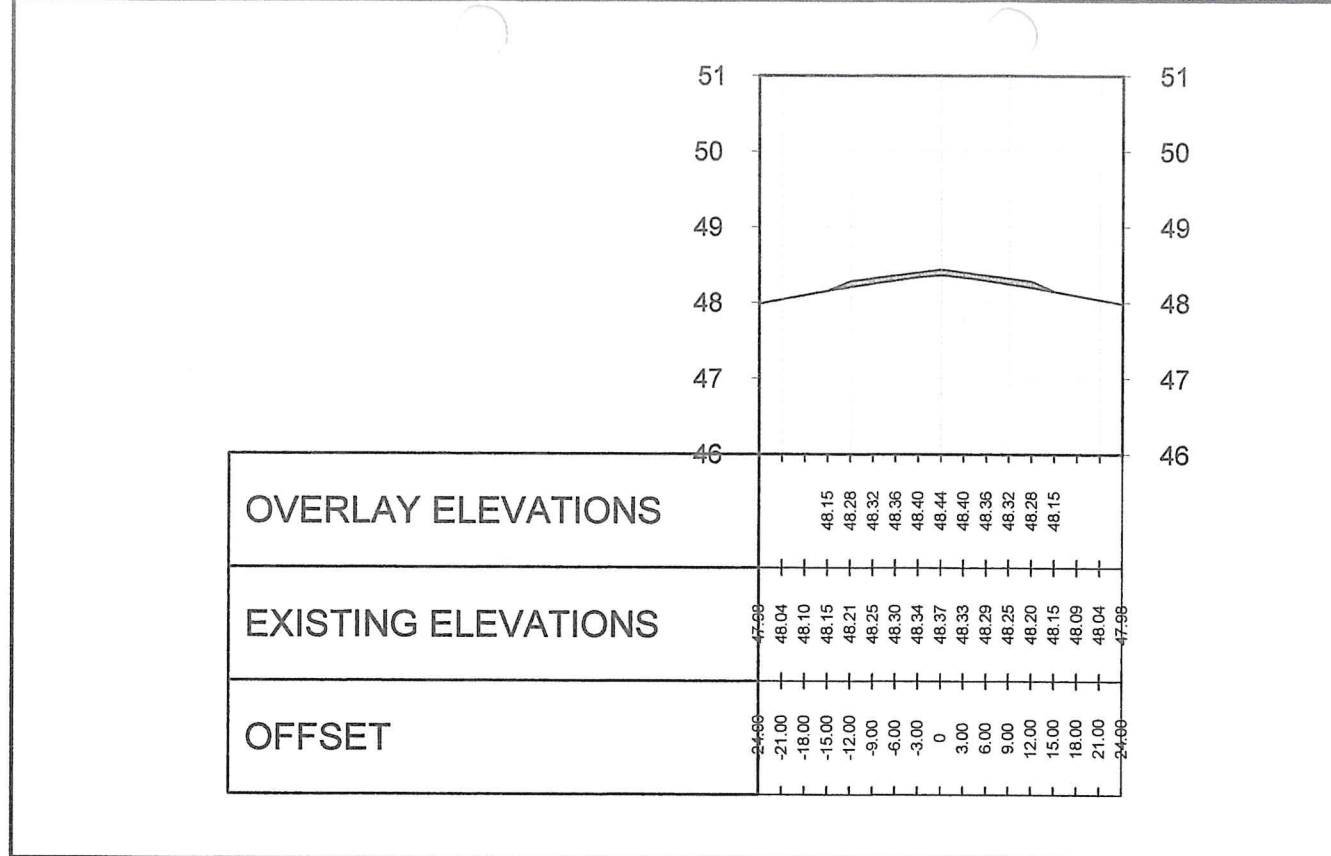
LOCATION:

NAGA AIRPORT
BRGY. SAN JOSE, PILI, CAMARINES SUR

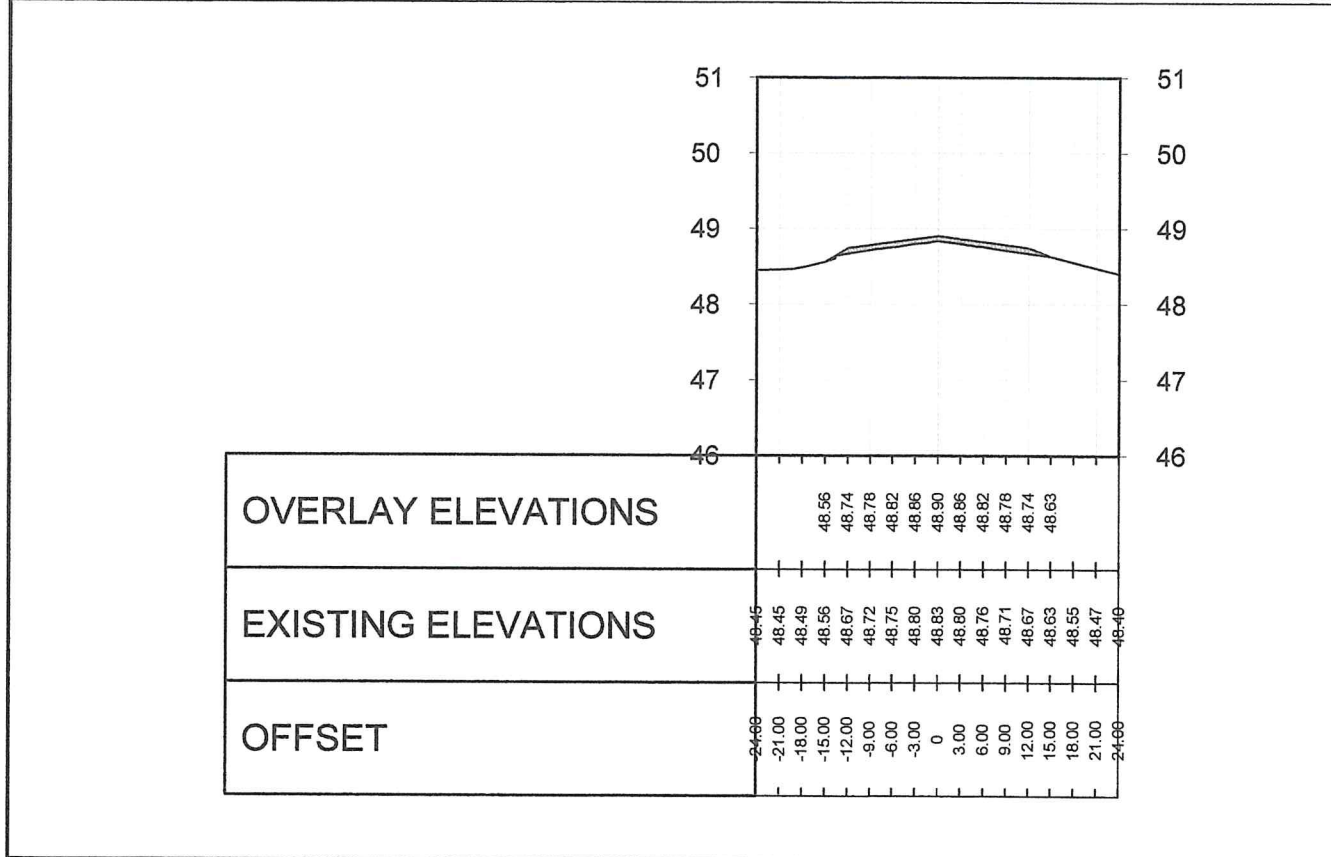
SHEET CONTENTS:

● CROSS SECTION VIEWS
(FROM STA 0 + 620 TO STA 0 + 680)

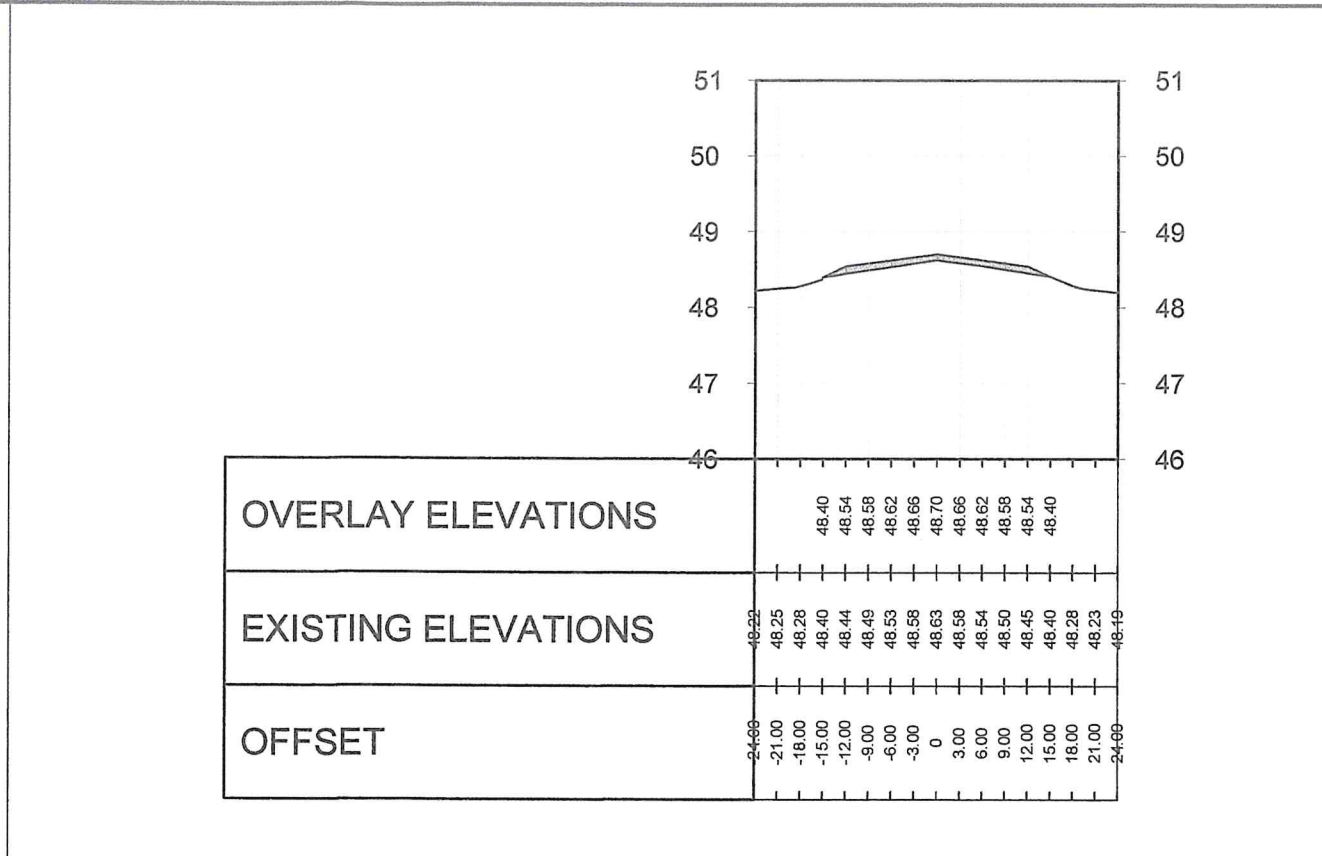
DRAWING SCALE:	SHEET NO.:
AS SHOWN	CW - 12
	12 16



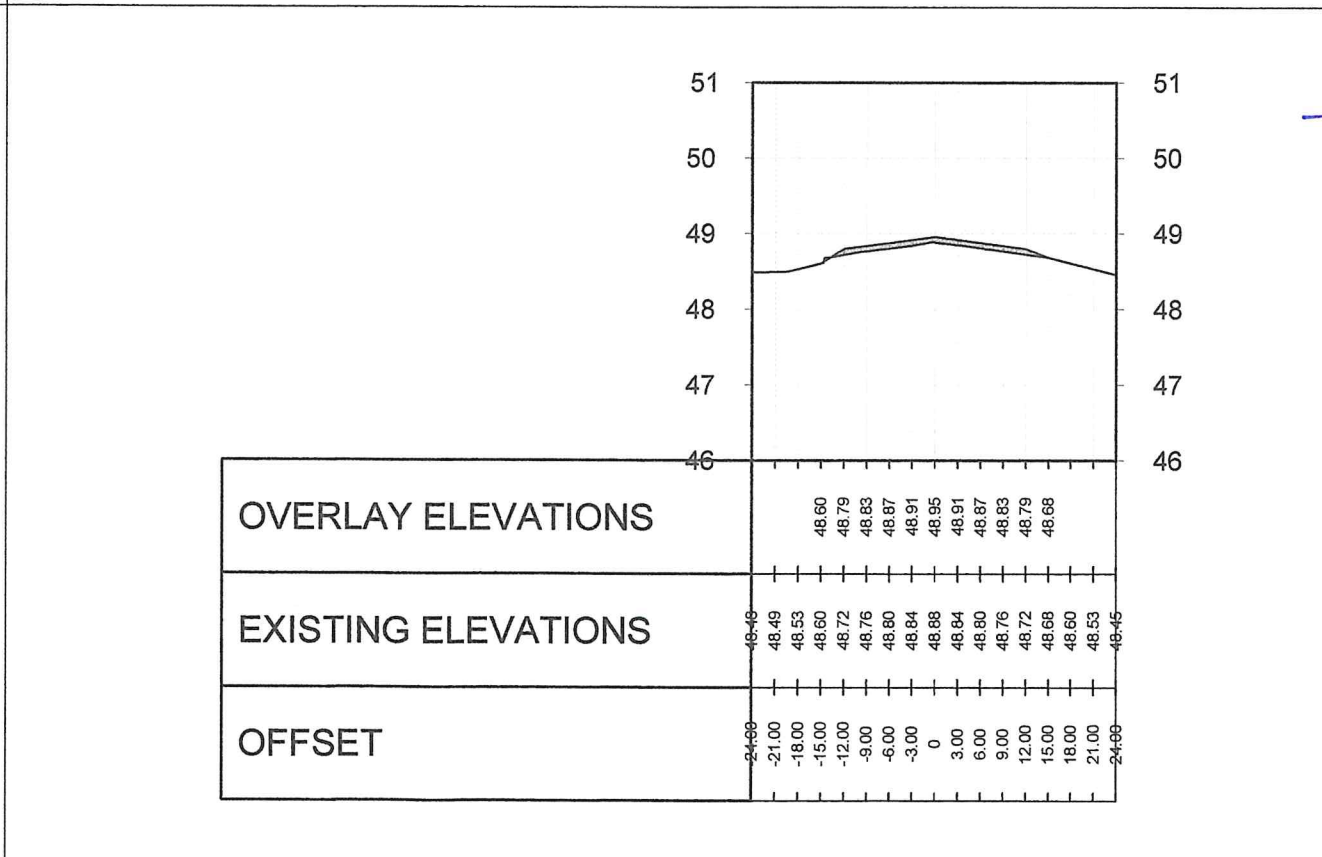
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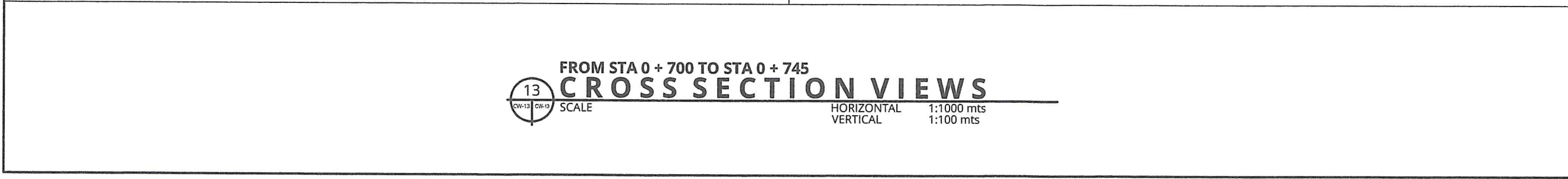
0 + 740



0 + 720



0 + 745





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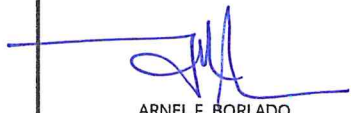
AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN
DIVISION

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

CHECKED BY:

RAUL P. CRUCENA
Division Chief III, IDDD

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:

CAPTAIN MANUEL ANTONIO L. TAMAYO
DIRECTOR GENERAL

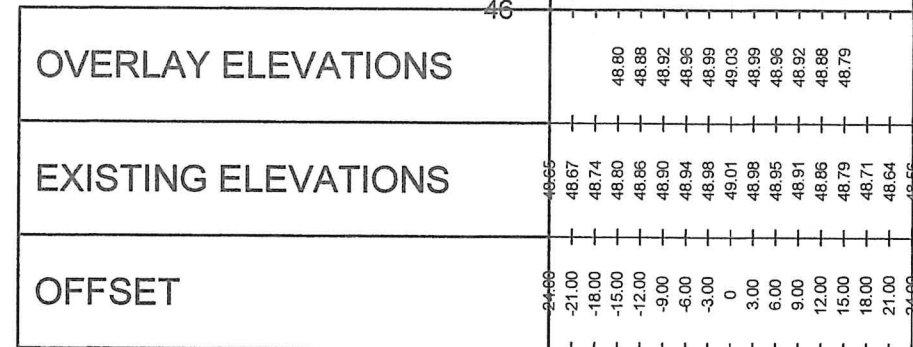
NOTE/REVISIONS:

PROJECT TITLE:
**ASPHALT OVERLAY
OF RUNWAY AT NAGA AIRPORT**

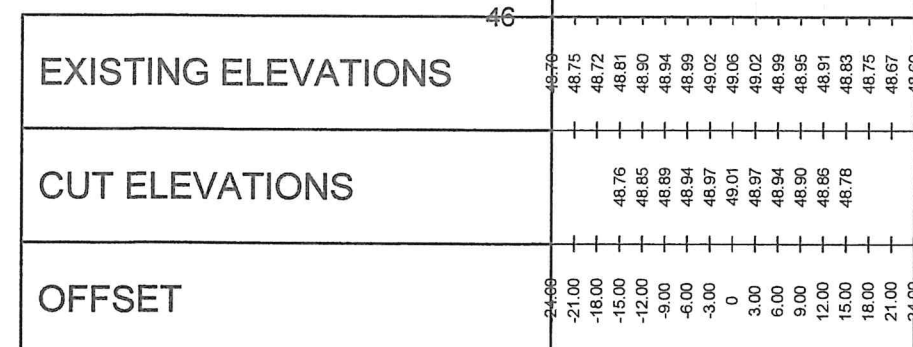
LOCATION:
NAGA AIRPORT
BRGY. SAN JOSE, PILI, CAMARINES SUR

SHEET CONTENTS:
• CROSS SECTION VIEWS
(FROM STA 0 + 700 TO STA 0 + 745)

DRAWING SCALE:	SHEET NO.:
AS SHOWN	CW - 13
	13 16



0 + 760



0 + 765

FROM STA 0 + 760 TO STA 0 + 765

CROSS SECTION VIEWS

SCALE: HORIZONTAL 1:1000 mts, VERTICAL 1:100 mts

Total Volume Table			
Station	Fill Area	Fill Volume	Cumulative Fill Vol
-0+015.00	0.07	0.00	0.00
0+000.00	1.65	12.85	12.85
0+020.00	2.33	39.75	52.60
0+040.00	2.63	49.56	102.16
0+060.00	2.60	52.25	154.41
0+080.00	2.89	54.88	209.29
0+100.00	2.09	49.76	259.05
0+120.00	2.54	46.27	305.32
0+140.00	2.07	46.12	351.44
0+160.00	2.01	40.79	392.23
0+180.00	2.06	40.71	432.93
0+200.00	2.46	45.22	478.15
0+220.00	2.55	50.11	528.27
0+240.00	2.74	52.91	581.17
0+260.00	2.16	48.96	630.13
0+280.00	1.75	39.08	669.21
0+300.00	1.87	36.20	705.41
0+320.00	2.26	41.26	746.67
0+340.00	2.75	50.02	796.70
0+360.00	2.36	51.05	847.74
0+380.00	2.22	45.79	893.53

Total Volume Table			
Station	Fill Area	Fill Volume	Cumulative Fill Vol
0+400.00	2.19	44.07	937.60
0+420.00	2.34	45.28	982.88
0+440.00	2.34	46.77	1029.65
0+460.00	1.97	43.03	1072.69
0+480.00	2.50	44.65	1117.34
0+500.00	2.43	49.31	1166.65
0+520.00	2.19	46.22	1212.87
0+540.00	2.65	48.38	1261.24
0+560.00	2.49	51.34	1312.58
0+580.00	2.15	46.40	1358.97
0+600.00	2.47	46.26	1405.23
0+620.00	1.98	44.48	1449.71
0+640.00	1.42	33.94	1483.65
0+660.00	1.67	30.85	1514.50
0+680.00	1.87	35.38	1549.88
0+700.00	1.86	37.32	1587.20
0+720.00	2.27	41.36	1628.56
0+740.00	1.85	41.20	1669.77
0+745.00	1.89	9.35	1679.11
0+760.00	0.40	17.20	1696.32
0+765.00	0.00	1.00	1697.32

FILL VOLUME (HOT MIX ASPHALT)

VOLUME TABLE

SCALE: 1:1000 mts



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AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN
DIVISION

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

CHECKED BY:

RAUL R. CRUCENA
Division Chief III, IDDD

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:

CAPTAIN MANUEL ANTONIO L. TAMAYO
DIRECTOR GENERAL

NOTE/REVISIONS:

PROJECT TITLE:

ASPHALT OVERLAY
OF RUNWAY AT NAGA AIRPORT

LOCATION:

NAGA AIRPORT
BRGY. SAN JOSE, PILI, CAMARINES SUR

SHEET CONTENTS:
• CROSS SECTION VIEWS
(FROM STA 0 + 760 TO STA 0 + 765)
• VOLUME TABLE

DRAWING SCALE:	SHEET NO.:
AS SHOWN	CW - 14
	14 16

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

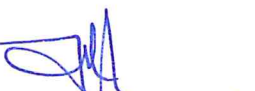
INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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DATE:	

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RAUL R. CRUCENA
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Department Manager III, AED-ADMS

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DIRECTOR GENERAL

NOTE/REVISIONS:

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ASPHALT OVERLAY OF RUNWAY AT NAGA AIRPORT

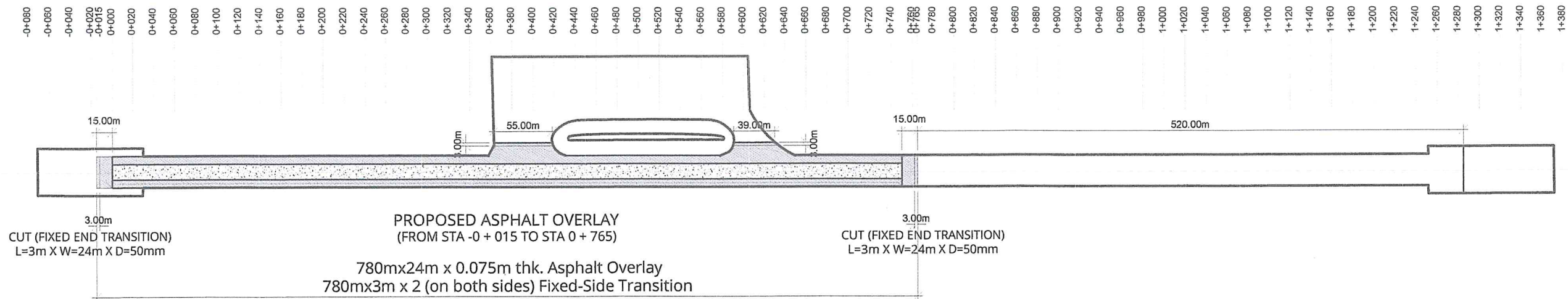
LOCATION:

NAGA AIRPORT
BRGY. SAN JOSE, PILI, CAMARINES SUR

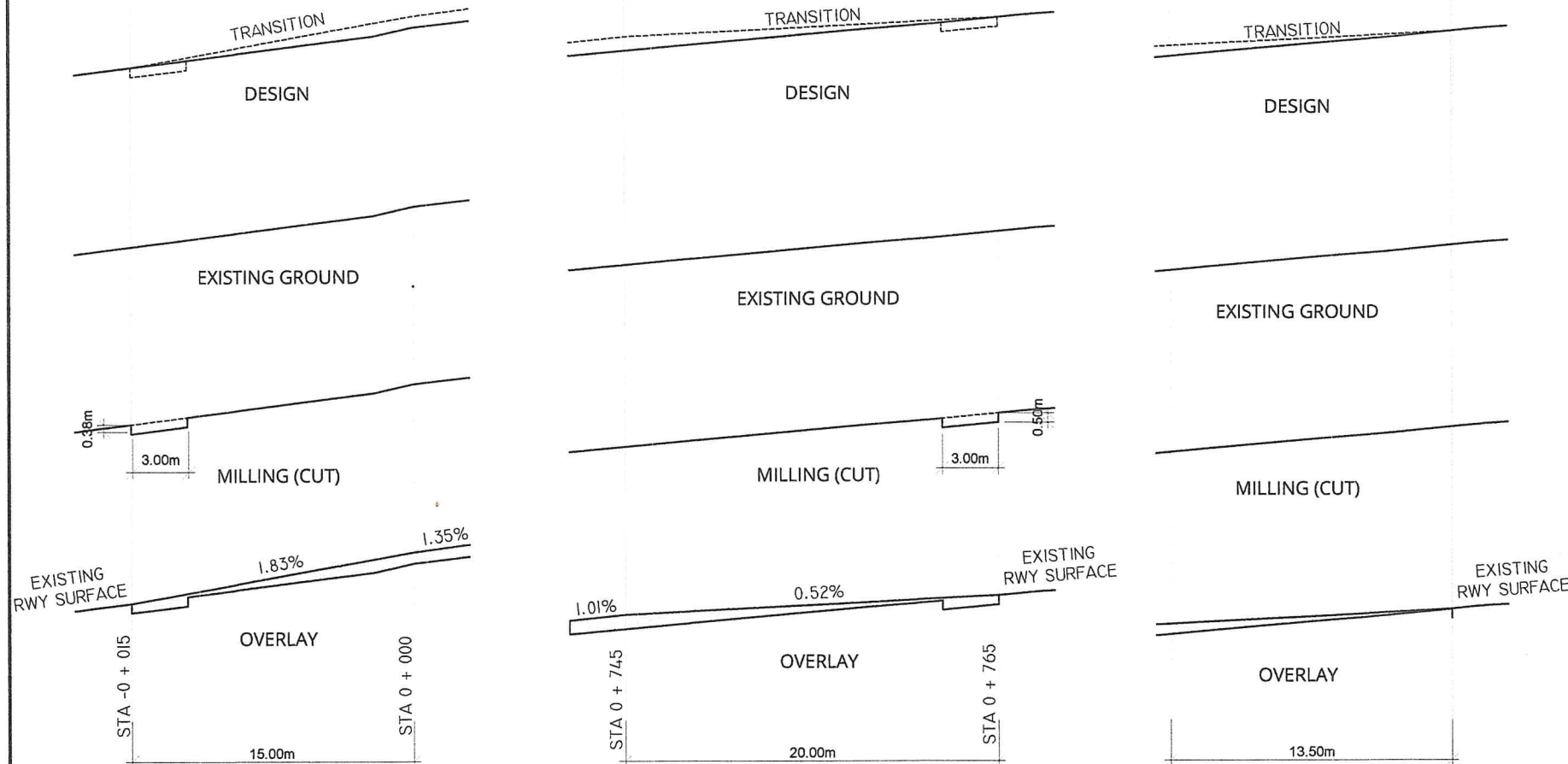
SHEET CONTENTS:

- LOCATION PLAN (RWY ASPHALT OVERLAY)
- FIXED END TRANSITIONS
- TEMPORARY TRANSITIONS
- TRANSVERSE TRANSITIONS

DRAWING SCALE:	SHEET NO.:
AS SHOWN	CW - 15
	15 16



LOCATION PLAN
16 RUNWAY ASPHALT OVERLAY
SCALE 1:4500 mts



17 FROM STA -0 + 015 TO STA 0 + 000
FIXED END TRANS.
NTS

18 FROM STA 0 + 745 TO STA 0 + 765
FIXED END TRANS.
NTS

19 TEMPORARY TRANSITION
NTS

20 ASPHALT OVERLAY
TRANS. SECTION
NTS

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AERODROME DEVELOPMENT AND
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INFRASTRUCTURE DEVELOPMENT AND DESIGN
DIVISION

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DESIGNED BY:	IDDD
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Division Chief III, IDDD

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Department Manager III, AED-ADMS

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Assistant Director General II, ADMS

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DIRECTOR GENERAL

NOTE/REVISIONS:

PROJECT TITLE:

**ASPHALT OVERLAY
OF RUNWAY AT NAGA AIRPORT**

LOCATION:

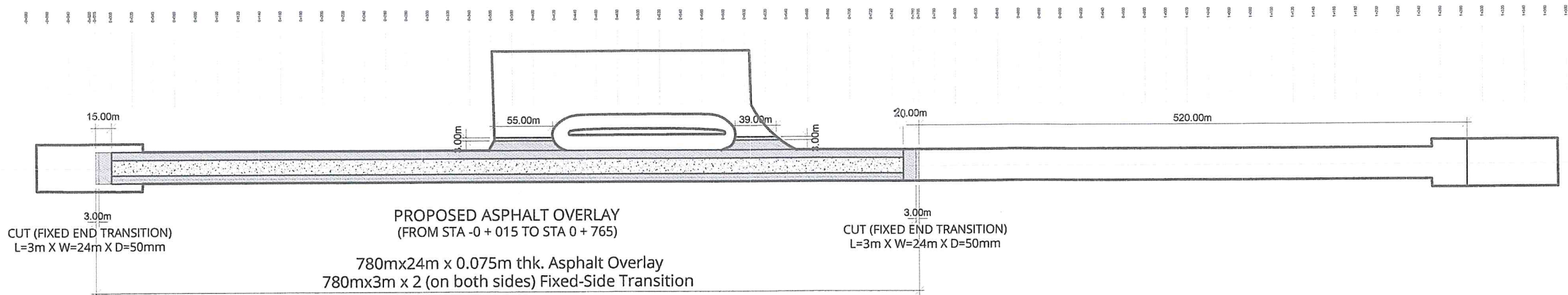
NAGA AIRPORT
BRGY. SAN JOSE, PILI, CAMARINES SUR

SHEET CONTENTS:

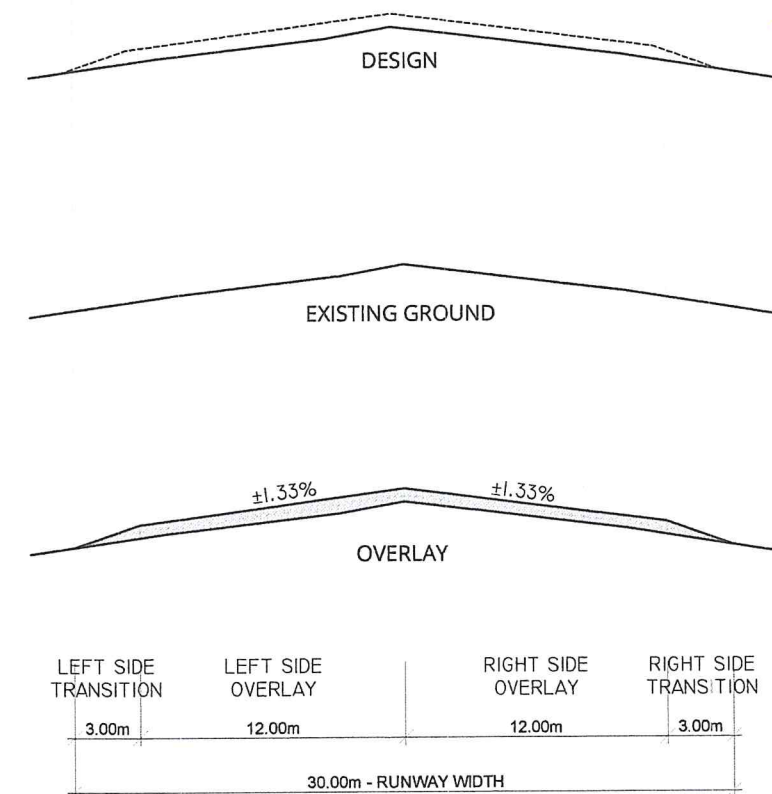
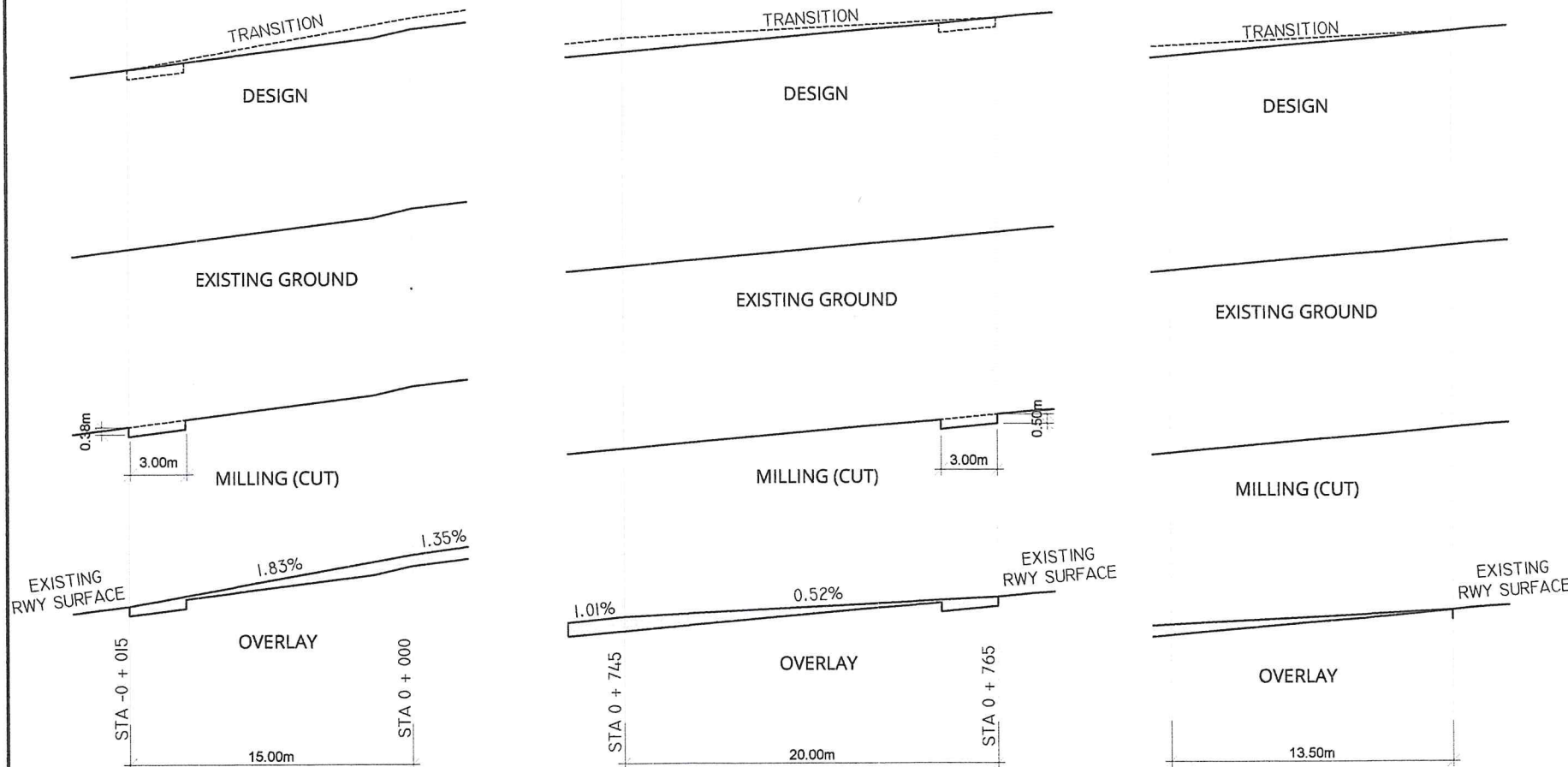
• LOCATION PLAN (RWY ASPHALT OVERLAY)
• FIXED END TRANSITIONS
• TEMPORARY TRANSITIONS
• TRANSVERSE TRANSITIONS

DRAWING SCALE: SHEET NO.:

AS SHOWN CW - 15
15 16



16
SCALE
LOCATION PLAN
RUNWAY ASPHALT OVERLAY
1:4500 mts



17
FROM STA -0 + 015 TO STA 0 + 000
FIXED END TRANS.
NTS

18
FROM STA 0 + 745 TO STA 0 + 765
FIXED END TRANS.
NTS

19
TEMPORARY TRANSITION
NTS

20
**ASPHALT OVERLAY
TRANS. SECTION**
NTS

