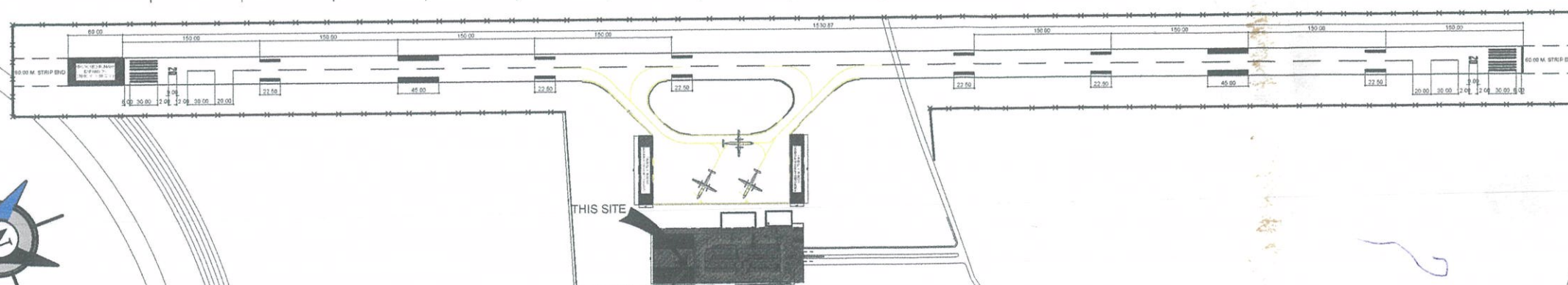




BORONGAN AIRPORT DEVELOPMENT PROJECT
VICINITY MAP

SCALE: NTS

0 + 000
0 + 100
0 + 200
0 + 300
0 + 400
0 + 500
0 + 600
0 + 700
0 + 800
0 + 900
1 + 000
1 + 100
1 + 200
1 + 300
1 + 400
1 + 500



BORONGAN AIRPORT DEVELOPMENT PROJECT
LOCATION MAP

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:	E.V.B. (Jangz27)
CHECKED BY:	EJDR

REVIEWED BY:

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Division Chief II, IDDD - ADMS

SUBMITTED BY:

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

RECOMMENDED APPROVAL:

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

APPROVED:

[Signature]
CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

BORONGAN AIRPORT
DEVELOPMENT PROJECT

LOCATION:

BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

DRAWING SCALE:

A"



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
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Assistant Director General II, ADMS

APPROVED:
CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:
BORONGAN AIRPORT DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR PARKING AREA

LOCATION:
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:
AS SHOWN	01

0 + 000
0 + 100
0 + 200
0 + 300
0 + 400
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1 + 400
1 + 500

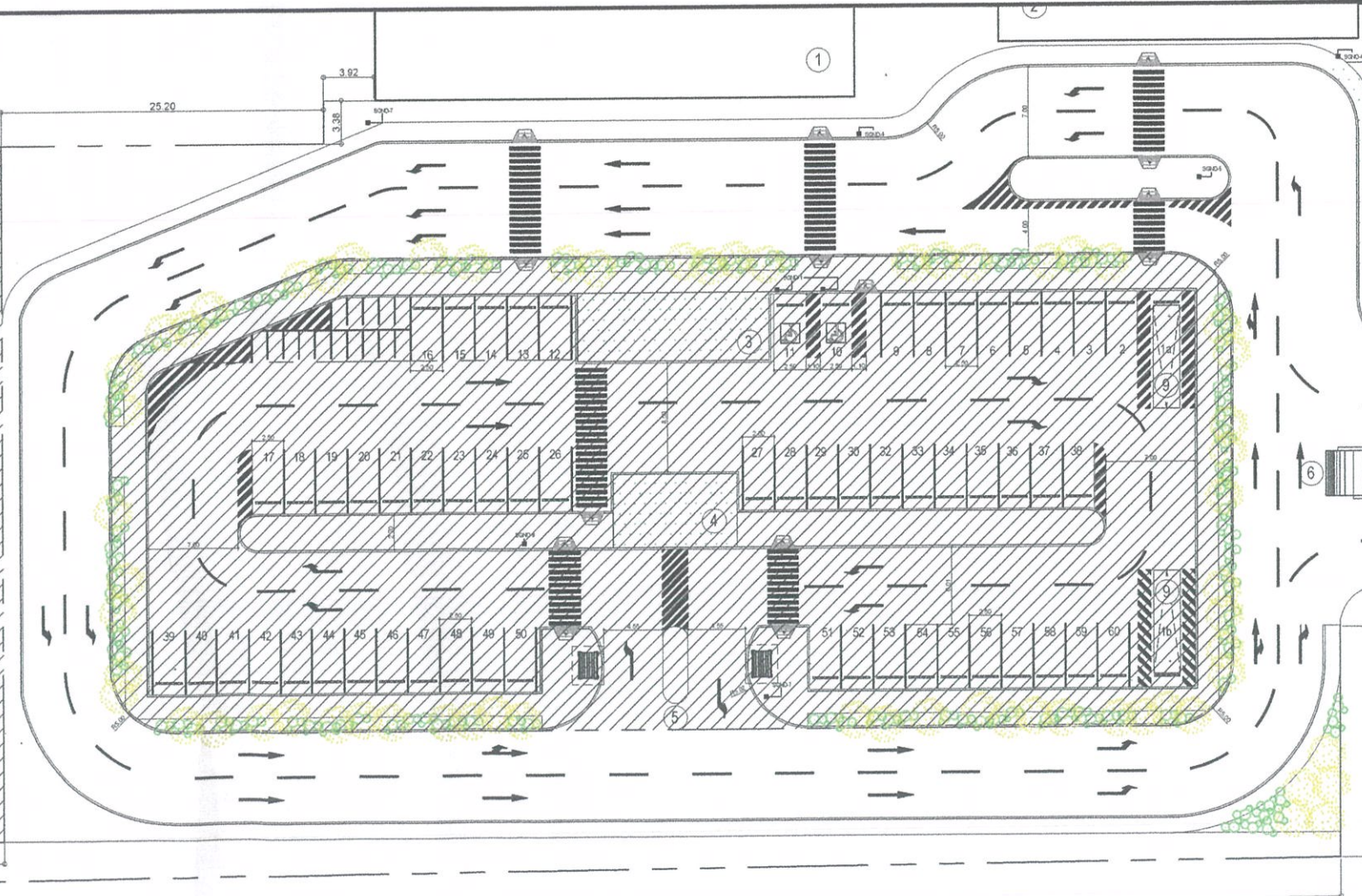


BORONGAN AIRPORT DEVELOPMENT PROJECT
LOCATION MAP



SCALE: NTS

PROPOSED VPA
EXPANSION
(45.00 M. X 50.00 M.)



COMPLETION OF VEHICULAR PARKING AREA
EXISTING VEHICULAR PARKING AREA
SCALE: NTS





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AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
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Assistant Director General II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR
PARKING AREA

LOCATION:

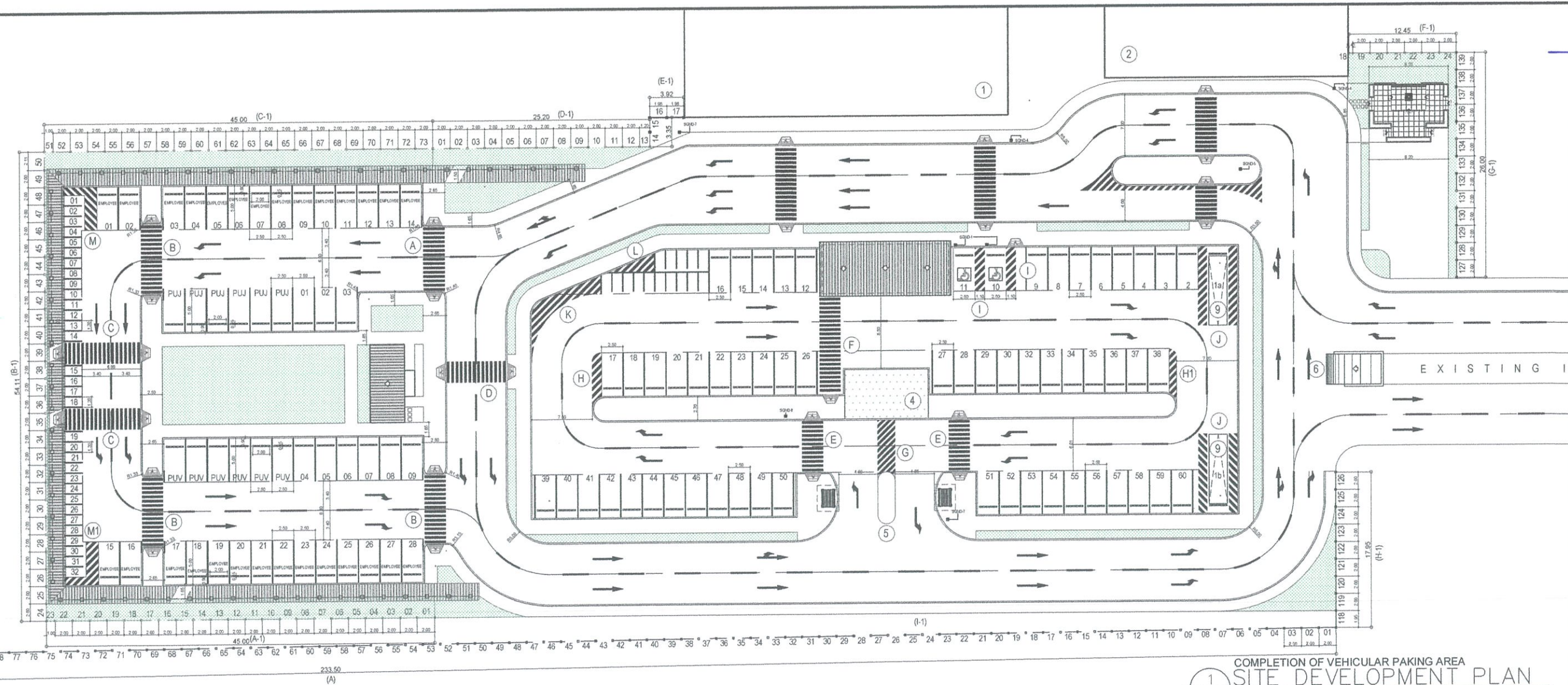
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:
AS SHOWN	02



BORONGAN AIRPORT DEVELOPMENT PROJECT
LOCATION MAP
SCALE: NTS



COMPLETION OF VEHICULAR PAKING AREA
SITE DEVELOPMENT PLAN
SCALE: NTS



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AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
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APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

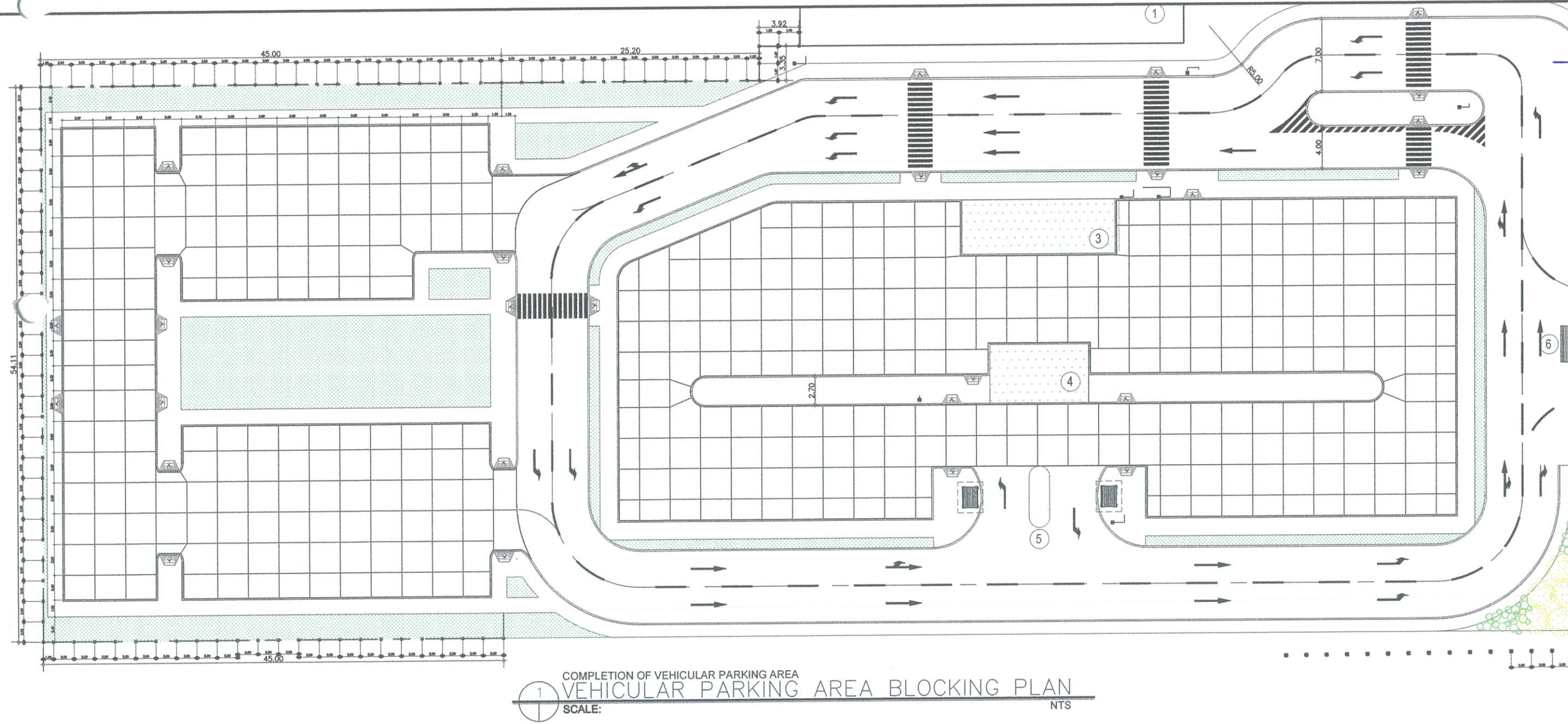
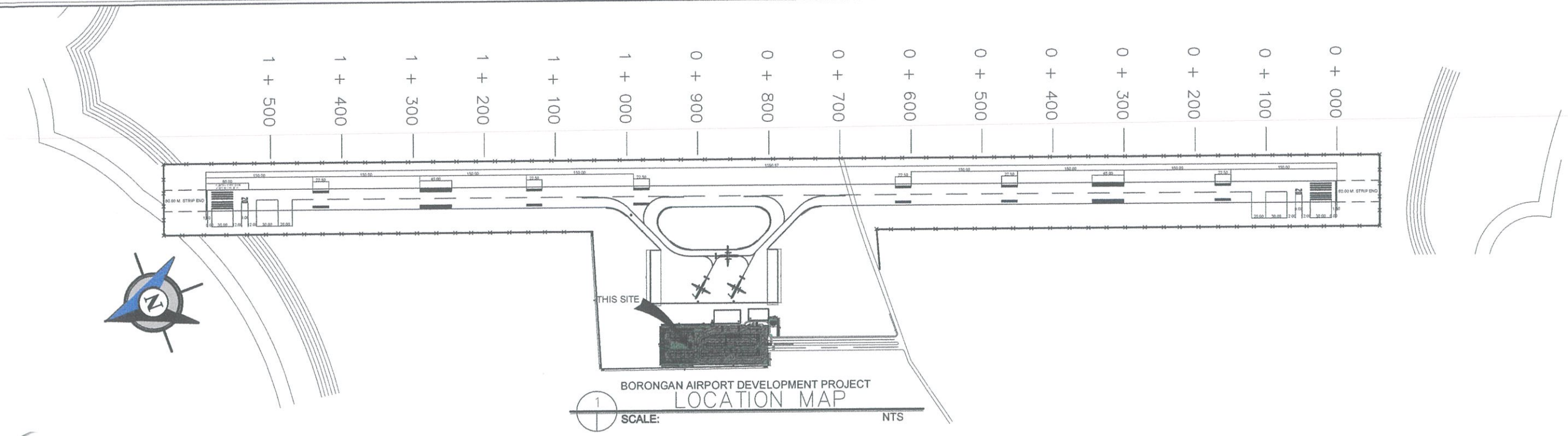
NOTES/REVISIONS:
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

PROJECT:
BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR
PARKING AREA

LOCATION:
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:
AS SHOWN	03





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INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
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DRAWN BY:	E.V.B / L.D.
CHECKED BY:	EJDR
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Assistant Director General II, ADMS

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:
BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR
PARKING AREA

LOCATION:
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:
AS SHOWN	04

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1 + 400
1 + 300
1 + 200
1 + 100
1 + 000
0 + 900
0 + 800
0 + 700
0 + 600
0 + 500
0 + 400
0 + 300
0 + 200
0 + 100
0 + 000

LEGEND:

- TYPE C (TC)- DOWELED
CONTRACTION
- TYPE D (TD)- DUMMY
CONTRACTION
- TYPE E (TA)- ISOLATION
JOINT

BORONGAN AIRPORT DEVELOPMENT PROJECT
LOCATION MAP

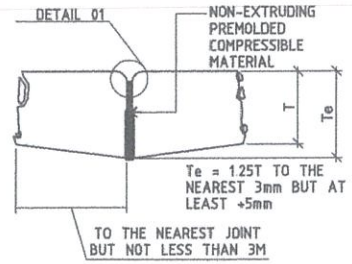
SCALE: NTS

COMPLETION OF VEHICULAR PARKING AREA
VEHICULAR PARKING AREA PAVING PLAN
SCALE: NTS

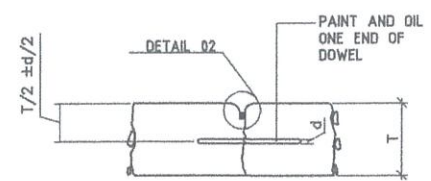
LEGEND:

DIMENSIONS AND SPACING OF STEEL DOWELS						
PAVEMENT THICKNESS	DOWELS					
	CONTRACTION JOINTS			CONSTRUCTION JOINTS		
	DIAMETER ϕ	LENGTH	SPACING	DIAMETER ϕ	LENGTH	SPACING
7.5" - 12" (191mm - 305mm)	16 mm DRSB	18 in (460 mm)	12 in (305 mm)	1 in (25 mm)	18 in (460 mm)	12 in (305 mm)

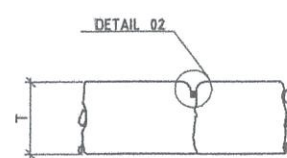
- NOTES:
1. ALL STEEL DOWELS SHALL BE SUPPORTED AND HELD IN PLACE IN AN APPROVED ASSEMBLY.
 2. ALL STEEL DOWELS SHALL BE OF GRADE 60 (60,000 psi / 414 MPa).
 3. ALL FORMED JOINTS SHALL BE FINISHED WITH RADIUS OF 6mm OR 13mm.
 4. ALL GROOVES OF CONTRACTION JOINTS SHALL BE SAWED WITHIN 24 HOURS.
 5. WHERE PAVING OPERATIONS ARE DELAYED OR STOPPED, PROVIDE DOWELED CONSTRUCTION JOINT.
 6. CONCRETE BLOCKING SHALL BE 3.0m BY 3.0m, UNLESS OTHERWISE GOVERNED BY ABUTTING EDGE.
 7. ALL PAVING JOINTS SHALL BE FILLED WITH JOINT SEALANT AS SPECIFIED.
 8. PROVIDE PIN HOLDERS EVERY 1.5M AT TRANSVERSE JOINTS



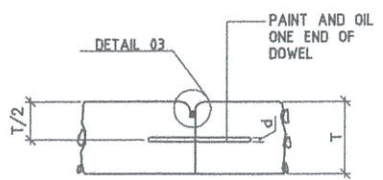
TYPE A (TA) - THICKENED EDGE (ISOLATION JOINT)



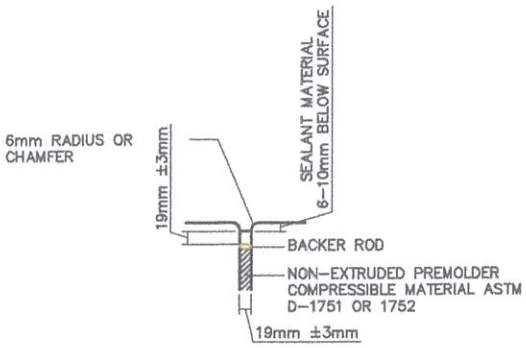
TYPE C (TC) - DOWELED CONTRACTION



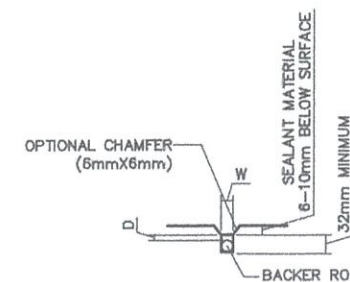
TYPE D (TD) - DUMMY CONTRACTION



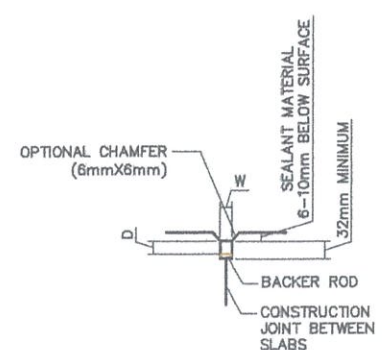
TYPE E (TE) - DOWELED CONSTRUCTION



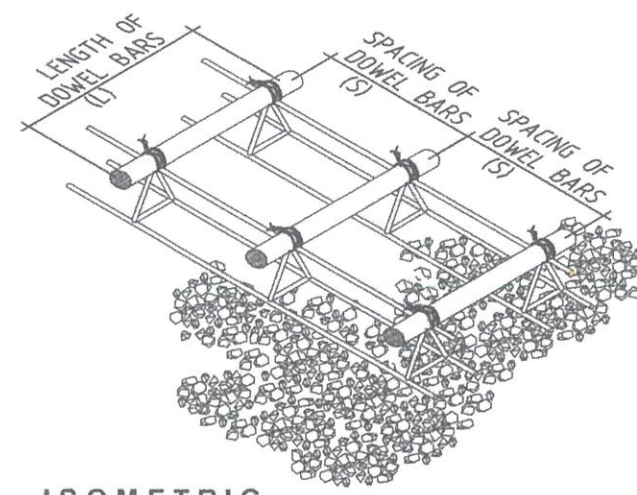
DETAIL 01



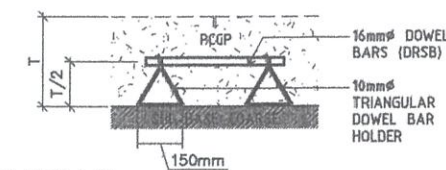
DETAIL 02



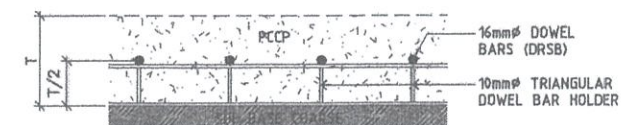
DETAIL 03



ISOMETRIC

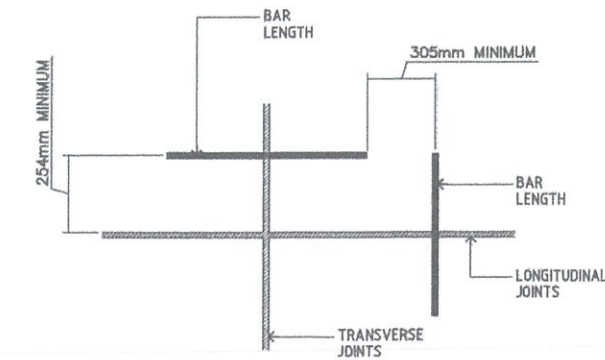


ISOMETRIC



SECTION

DOWEL BAR HOLDER



POSITION OF DOWELS AT EDGE OF JOINT

DETAIL OF PAVING JOINTS

DETAIL OF JOINT SEALANT



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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DESIGNED BY:	IDDD
DRAWN BY:	E.V.B (jangz27)
CHECKED BY:	EJDJR

REVIEWED BY:

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SUBMITTED BY:

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Department Manager III, AED-ADMS

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Assistant Director General II, ADMS

APPROVED:

CAPTAIN MARCEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:
BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR
PARKING AREA

LOCATION:
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:
AS SHOWN	06



COMPLETION OF VEHICULAR PAKING AREA
KEY PLAN
SCALE: NTS

COMPLETION OF VEHICULAR PAKING AREA
DETAILED A PLAN
SCALE: 1:100 MTRS



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Assistant Director General II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR
PARKING AREA

LOCATION:

BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

DRAWING SCALE:

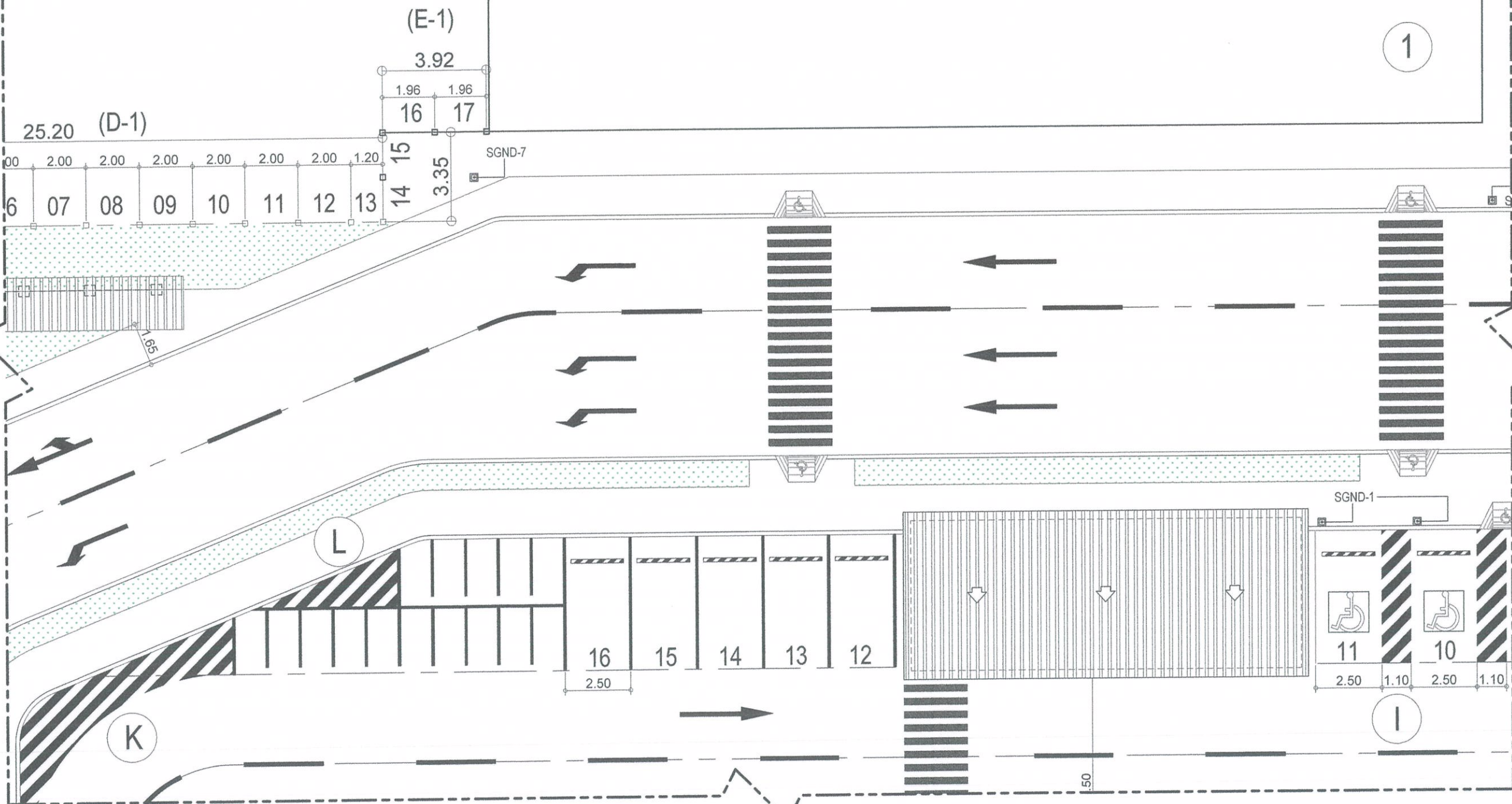
AS SHOWN

SHEET NO:

07



COMPLETION OF VEHICULAR PAKING AREA
KEY PLAN
SCALE: NTS



COMPLETION OF VEHICULAR PAKING AREA
DETAILED B PLAN
SCALE: 1:100 MTRS



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INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

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REVIEWED BY:

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APPROVED

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR
PARKING AREA

LOCATION:

BORONGAN AIRPORT
BORONGAN

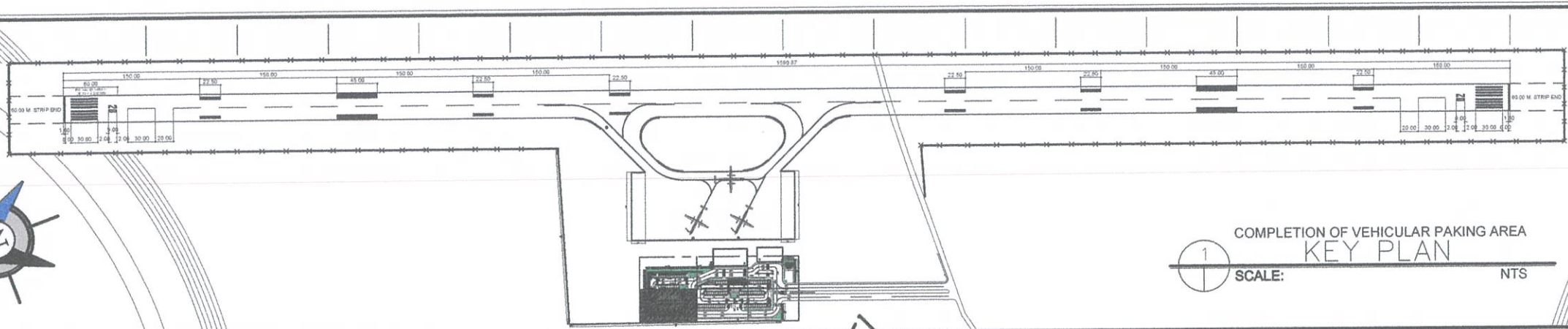
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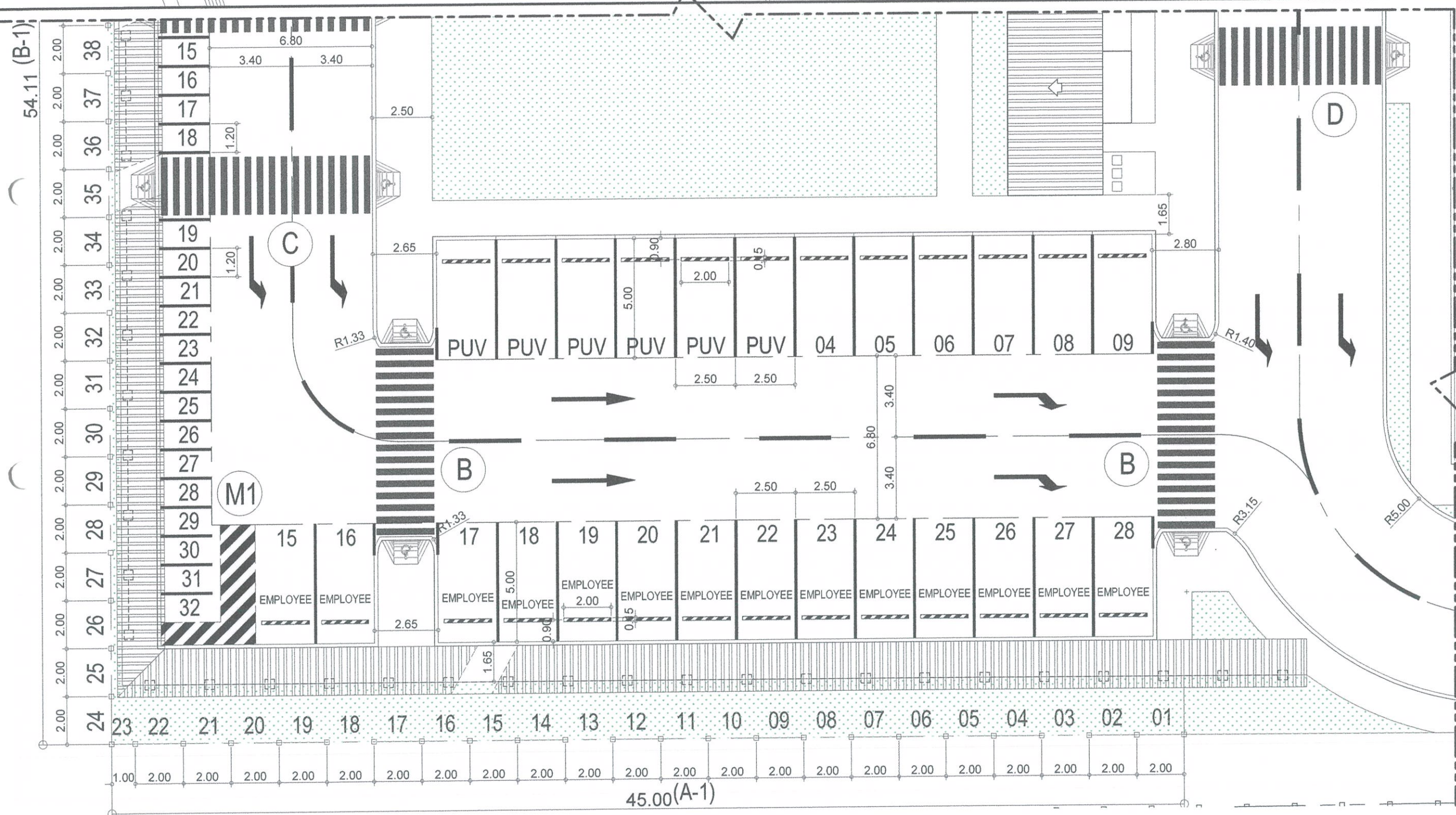
AS SHOWN

08



KEY PLAN

SCALE: NTS



DETAILED D PLAN

SCALE: 1:100 MTRS




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AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE	
<u>DESIGNED BY:</u>	IODD	
<u>DRAWN BY:</u>	E.V.B (jangz27)	
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REVIEWED BY:



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CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

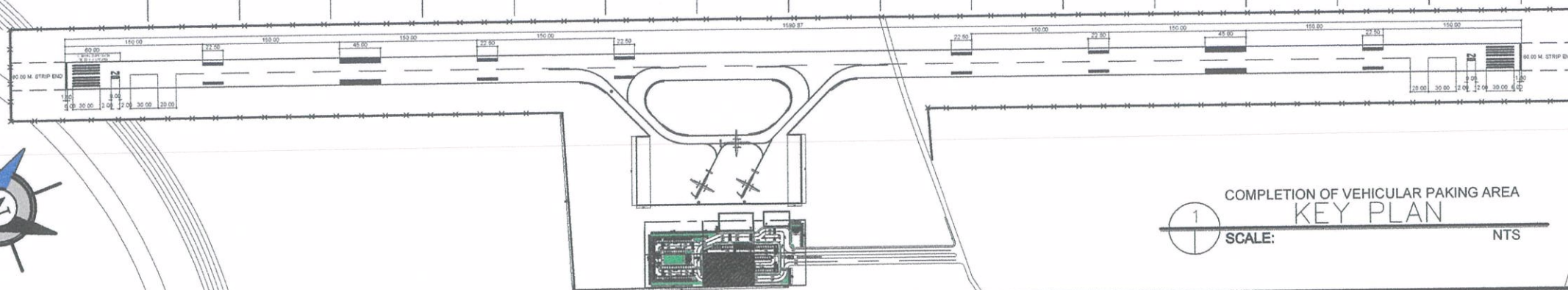
NOTES/REVISIONS:

PROJECT:
BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR
PARKING AREA

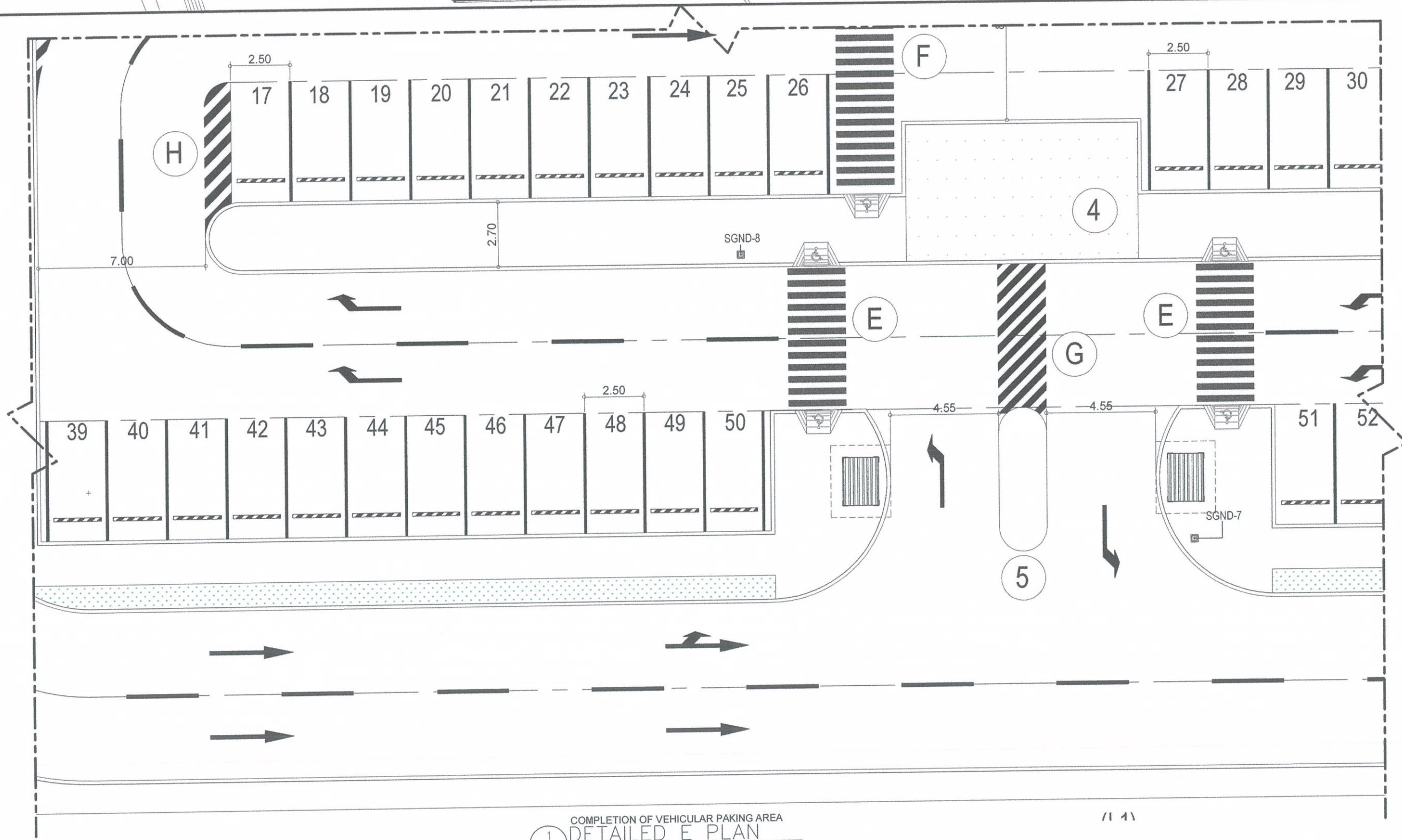
LOCATION:
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:	
AS SHOWN		
	09	



COMPLETION OF VEHICULAR PAKING AREA
KEY PLAN
SCALE: NTS



COMPLETION OF VEHICULAR PAKING AREA
DETAILED E PLAN
SCALE: 1:100 MTRS



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AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	IDDD
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Assistant Director General II, ADMS

APPROVED:

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Director General

NOTES/REVISIONS:

PROJECT:

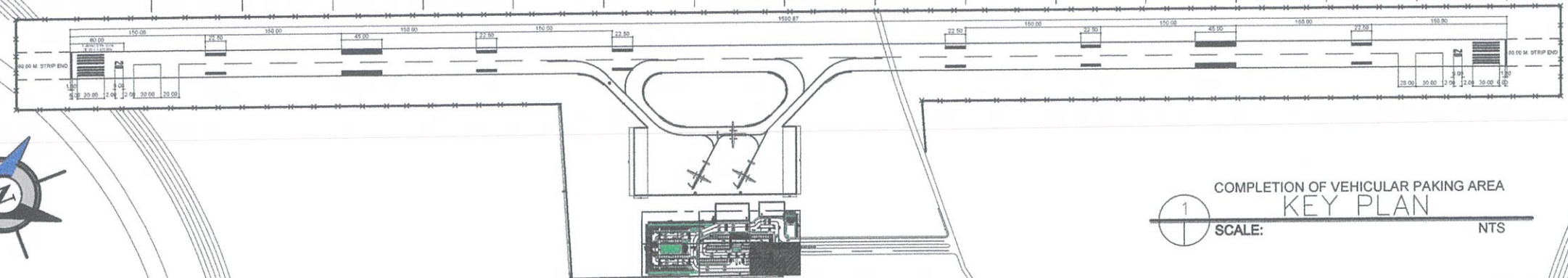
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DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR
PARKING AREA

LOCATION:

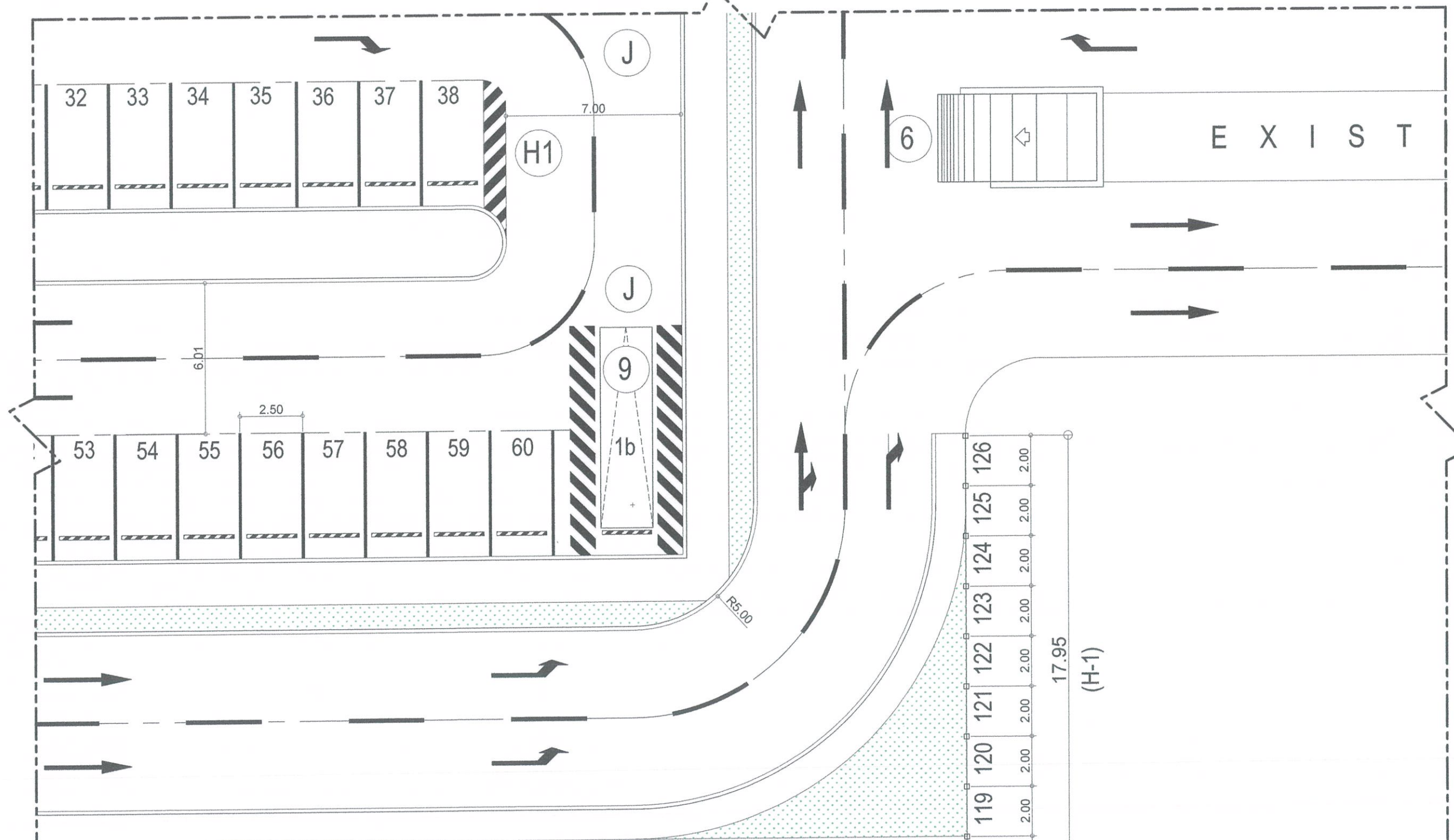
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:



DRAWING SCALE:	SHEET NO.
AS SHOWN	10



COMPLETION OF VEHICULAR PARKING AREA
KEY PLAN
SCALE: NTS



COMPLETION OF VEHICULAR PARKING AREA
DETAILED F PLAN
SCALE: 1:100 MTRS



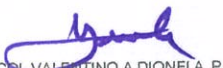



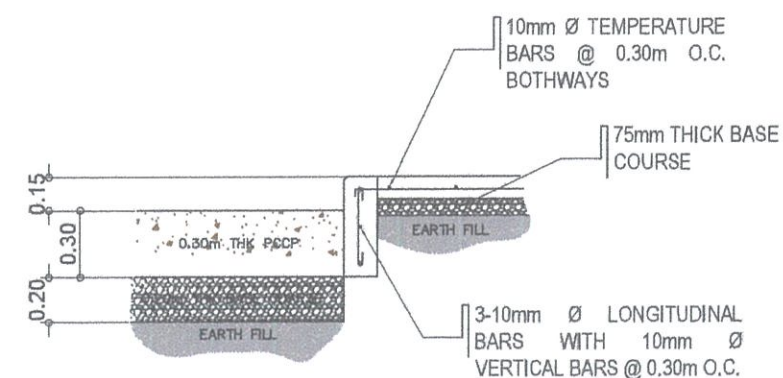
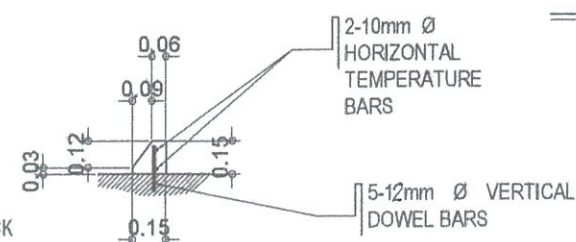
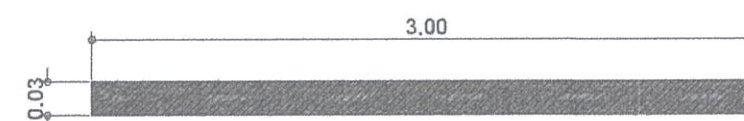
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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, 1505 PASAY CITY

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	IDDD
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 ARNEL F. BORLADO Department Manager III, AED-ADMS	
 LT COL VALENTINO A. DIONELA, PAF (Ret) Assistant Director General II, ADMS	
 CAPTAIN MANUEL ANTONIO L. TAMAYO Director General	
NOTES/REVISIONS:	
PROJECT:	
BORONGAN AIRPORT DEVELOPMENT PROJECT COMPLETION OF VEHICULAR PARKING AREA	
LOCATION:	
BORONGAN AIRPORT BORONGAN	
SHEET CONTENTS:	
DRAWING SCALE:	SHEET NO:
AS SHOWN	11



CONCRETE CURB DETAIL





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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
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Division Chief III, IDDD - ADMS

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Department Manager III, AED-ADMS

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

APPROVED:

CAPTAIN MANUELLA L. TAMAYO
Director General

NOTES/REVISIONS:

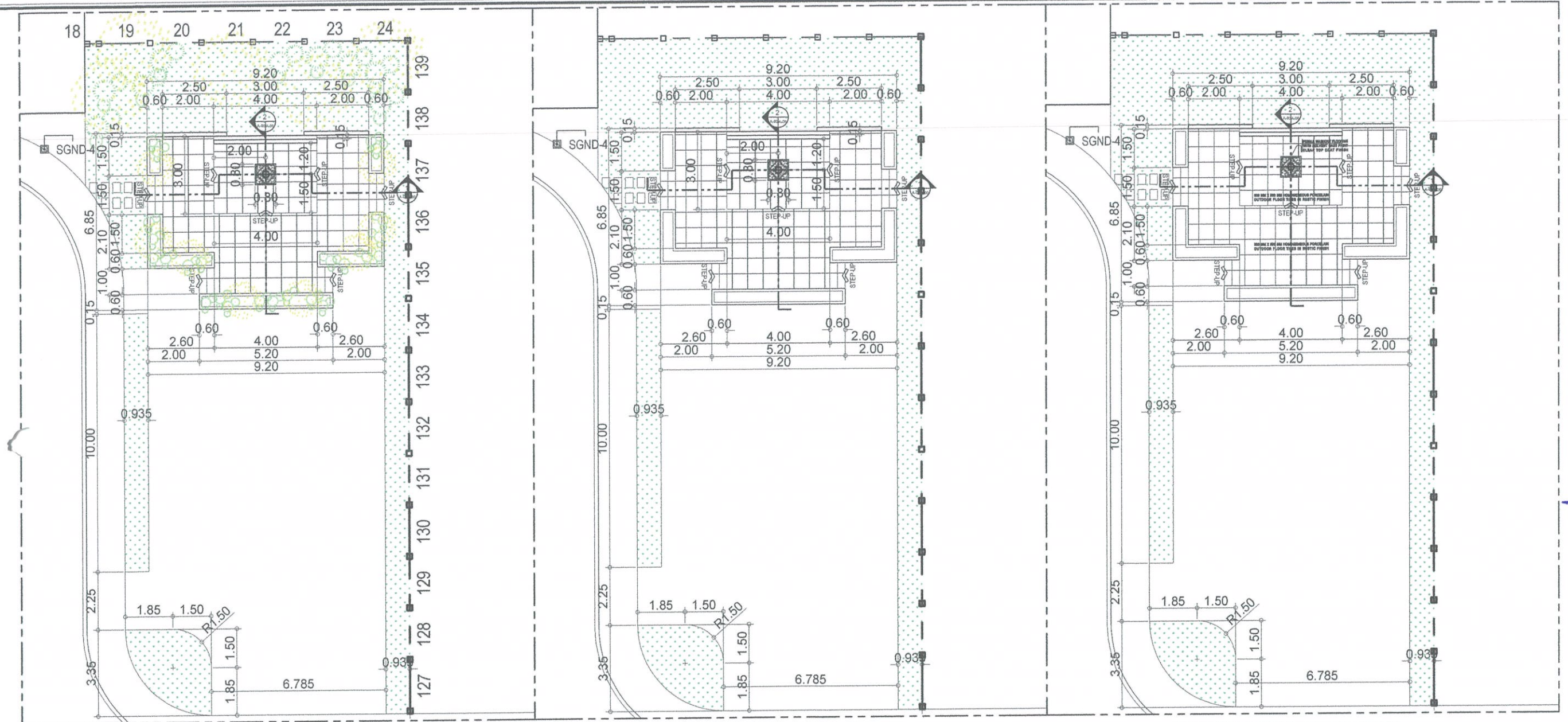
NO.	DESCRIPTION

PROJECT:
BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR
PARKING AREA

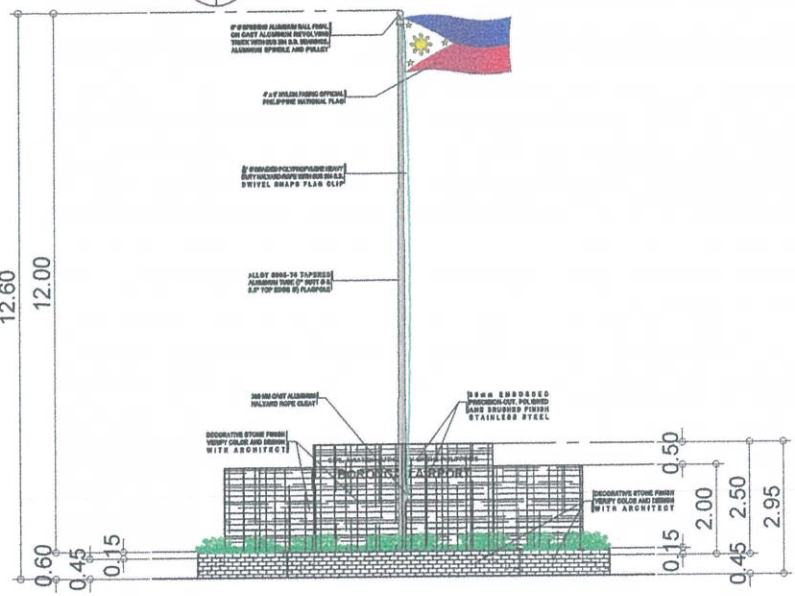
LOCATION:
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:
AS SHOWN	13

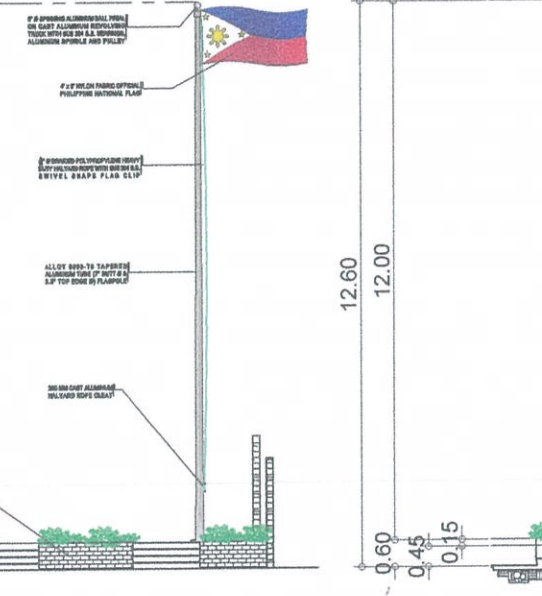


COMPLETION OF VEHICULAR PAKING AREA
PROPOSED FLAG POLE
SCALE: 1:100 MTRS



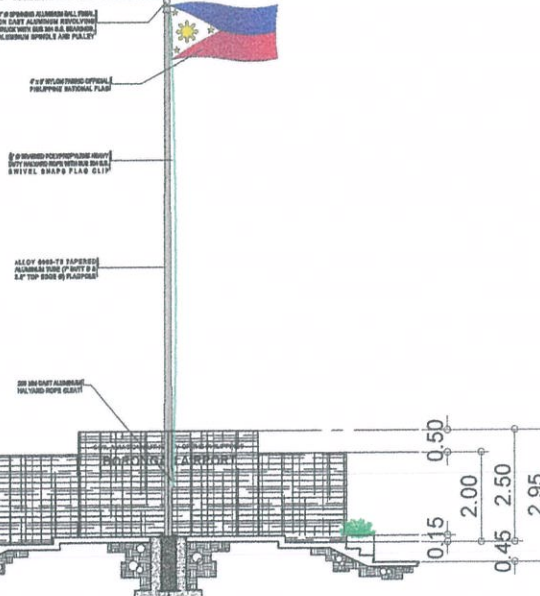
COMPLETION OF VEHICULAR PAKING AREA
FRONT ELEVATION
SCALE: 1:100 MTRS

COMPLETION OF VEHICULAR PAKING AREA
FLAG POLE PLAN
SCALE: 1:100 MTRS



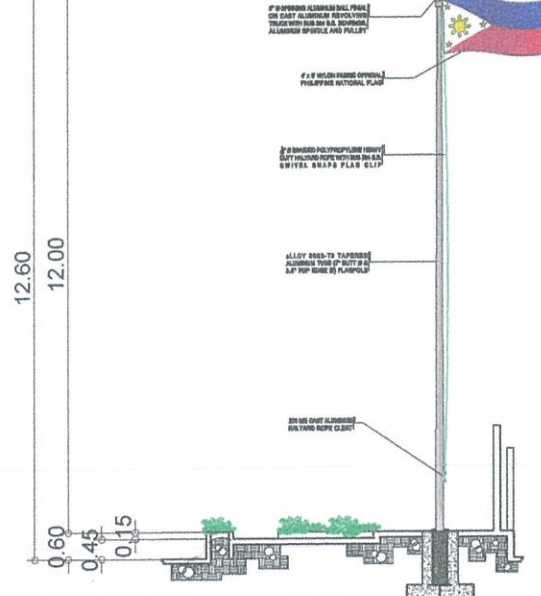
COMPLETION OF VEHICULAR PAKING AREA
SIDE ELEVATION
SCALE: 1:100 MTRS

COMPLETION OF VEHICULAR PAKING AREA
FLOOR TILE DETAIL
SCALE: 1:100 MTRS

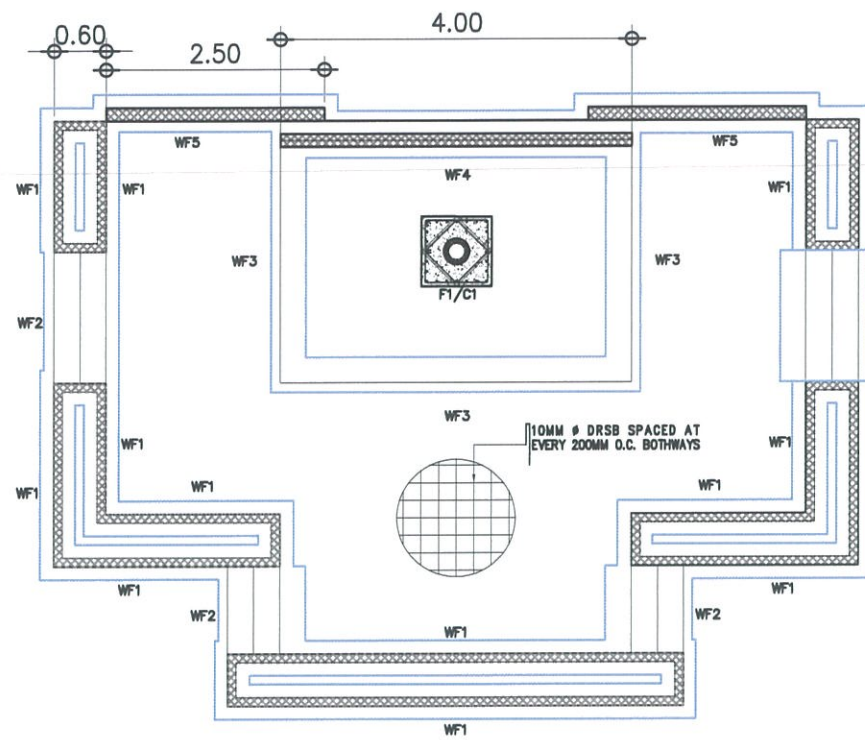


COMPLETION OF VEHICULAR PAKING AREA
SECTION THRU 1
SCALE: 1:100 MTRS

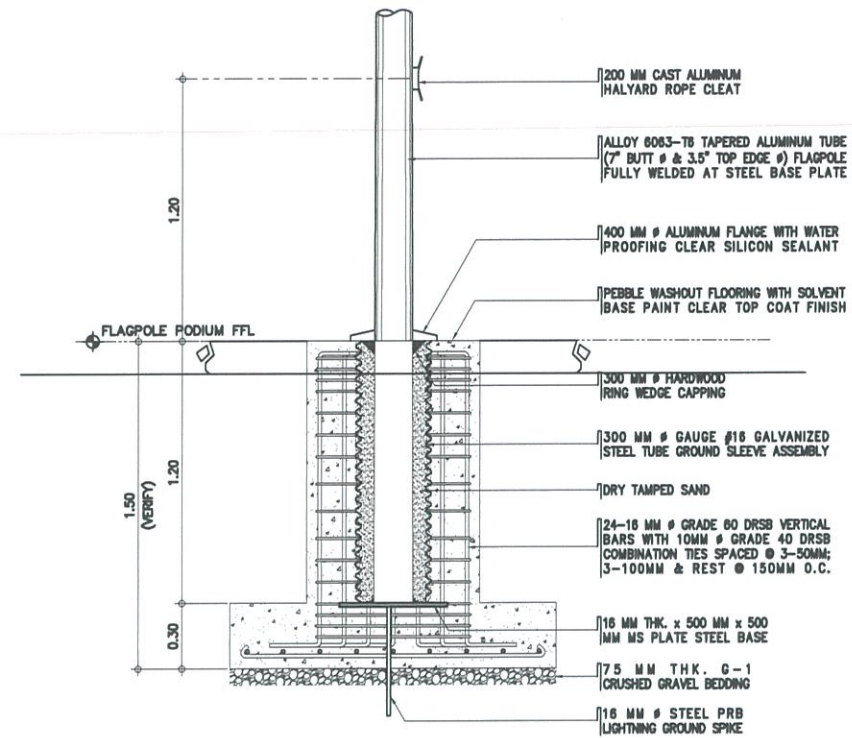
COMPLETION OF VEHICULAR PAKING AREA
FLOOR TILE DETAIL
SCALE: 1:100 MTRS



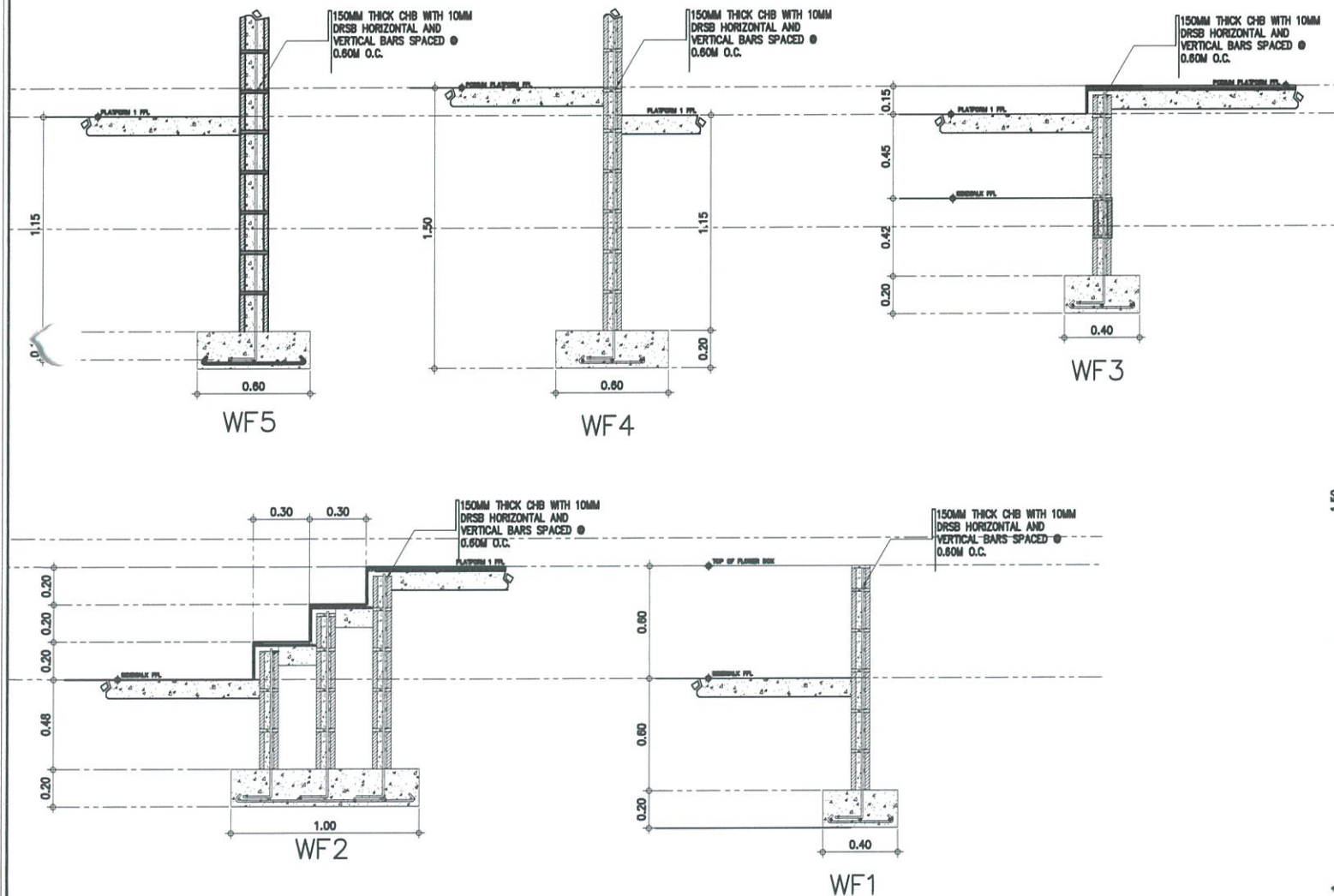
COMPLETION OF VEHICULAR PAKING AREA
SECTION THRU 2
SCALE: 1:100 MTRS



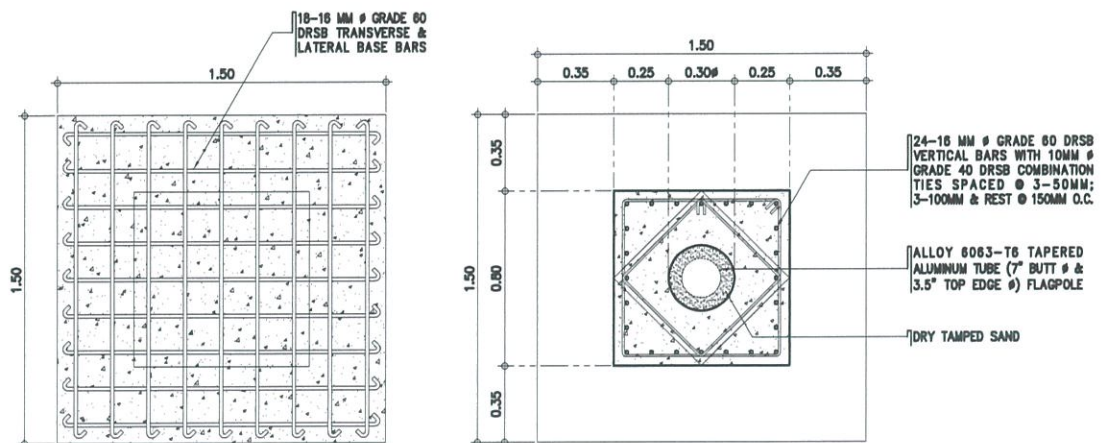
FLAG POLE FOUNDATION PLAN



FLAG POLE SECTION DETAIL



WALL FOOTING DETAIL



FLAG POLE FOOTING DETAIL

1 FLAG POLE STRUCTURAL DETAIL
SCALE: 1:100 MTRS

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AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
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DRAWN BY:	E.V.B (janz27)
CHECKED BY:	EJDR

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SUBMITTED BY:

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Department Manager III, AED-ADMS

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Assistant Director General II, ADMS

APPROVED:

[Signature]
CAPTAIN MARCEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

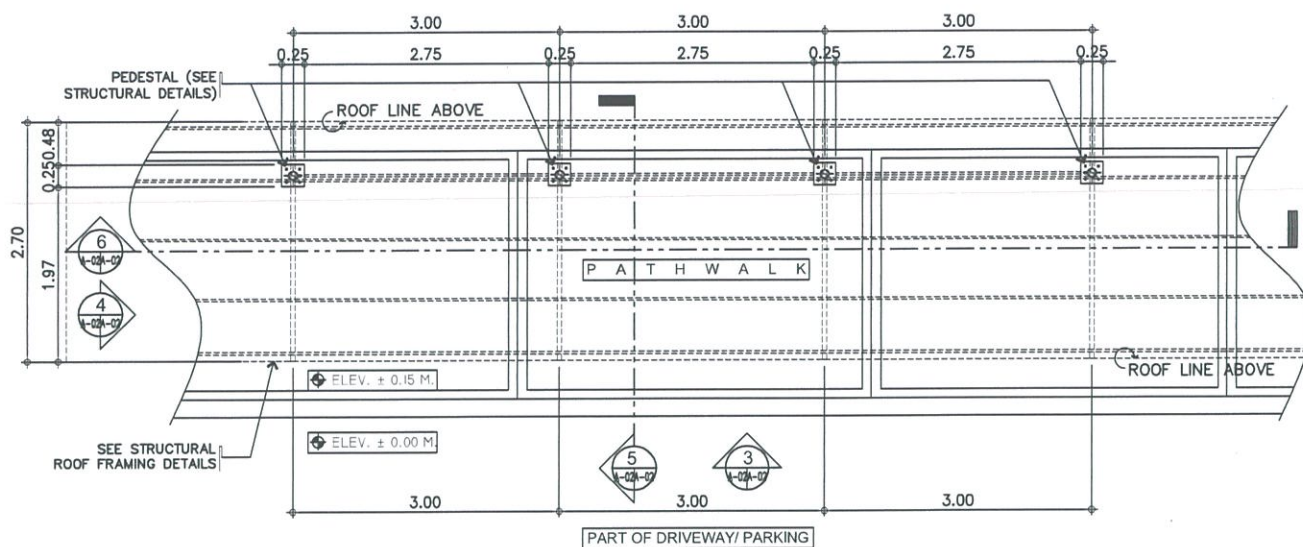
BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR PARKING AREA

LOCATION:

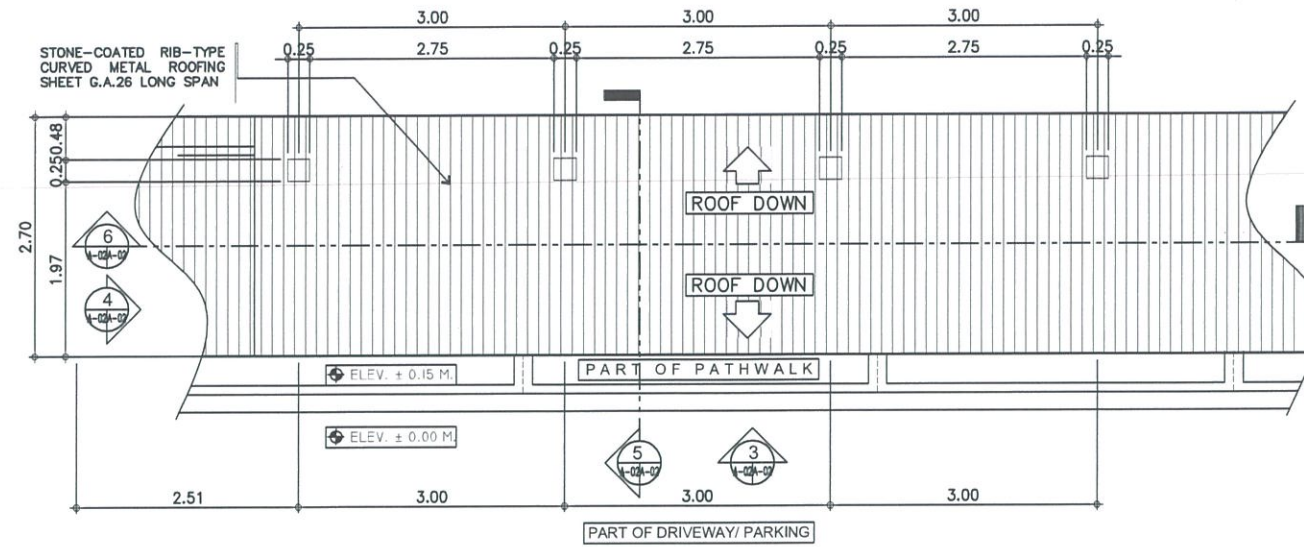
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

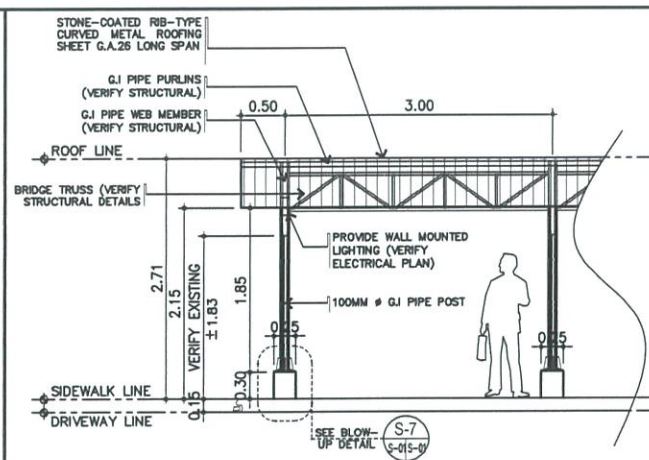
DRAWING SCALE:	SHEET NO.
AS SHOWN	13A



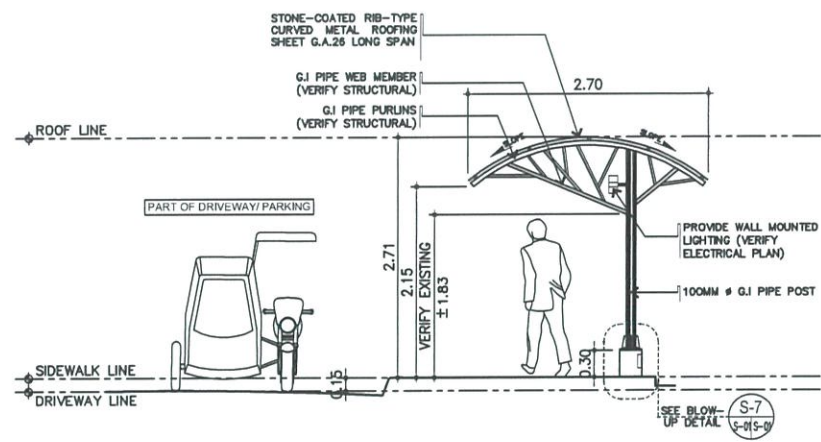
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A-02A-02
CONSTRUCTION OF COVERED PATHWALK AT THE VPA
COVERED PATHWALK (A) PLAN
SCALE: 1:50 MTS.



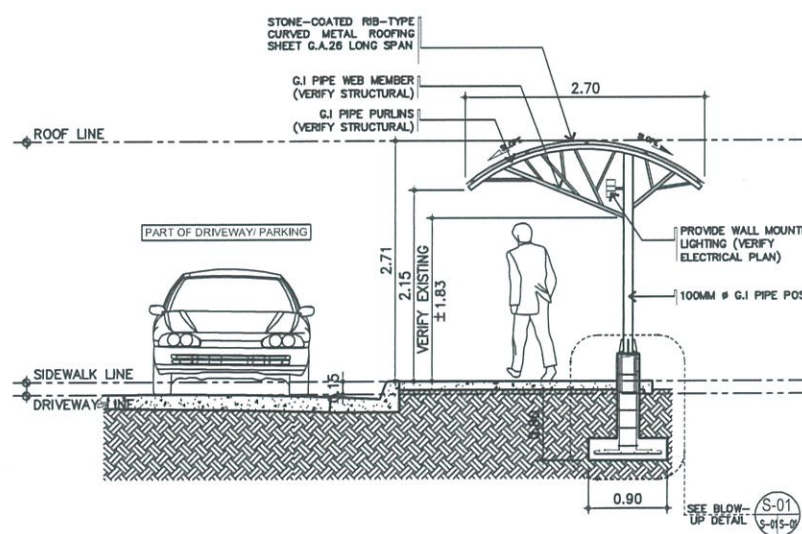
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A-02A-02
CONSTRUCTION OF COVERED PATHWALK AT THE VPA
ROOF PLAN
SCALE: 1:50 MTS.



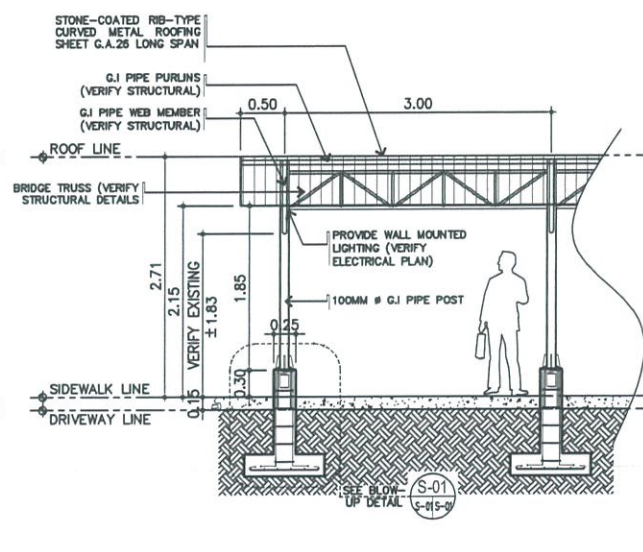
3
A-02A-02
CONSTRUCTION OF COVERED PATHWALK AT THE VPA
ELEVATION - A
SCALE: 1:50 MTS.



4
A-02A-02
CONSTRUCTION OF COVERED PATHWALK AT THE VPA
ELEVATION - B
SCALE: 1:50 MTS.



5
A-02A-02
SECTION THRU - A
SCALE: 1:50 MTS.



6
A-02A-02
SECTION THRU - B
SCALE: 1:50 MTS.



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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APPROVED:

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CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

BORONGAN AIRPORT DEVELOPMENT PROJECT
CONSTRUCTION OF COVERED PATHWALK

LOCATION:

BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

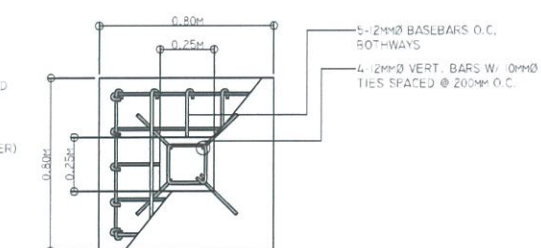
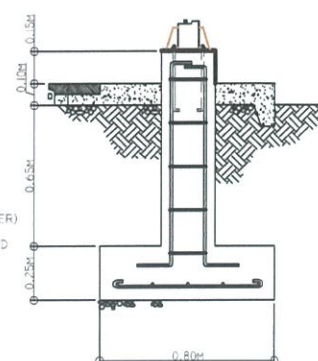
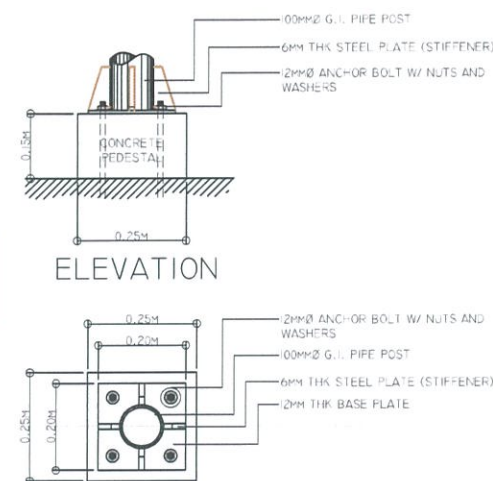
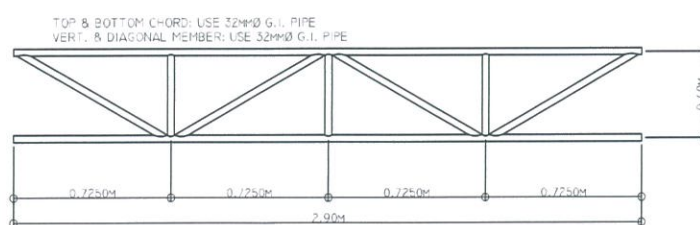
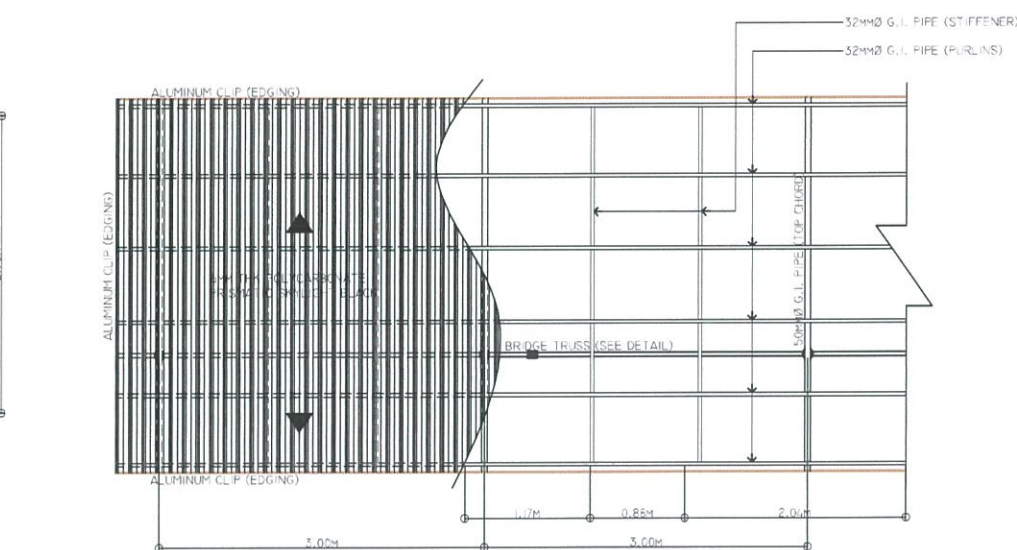
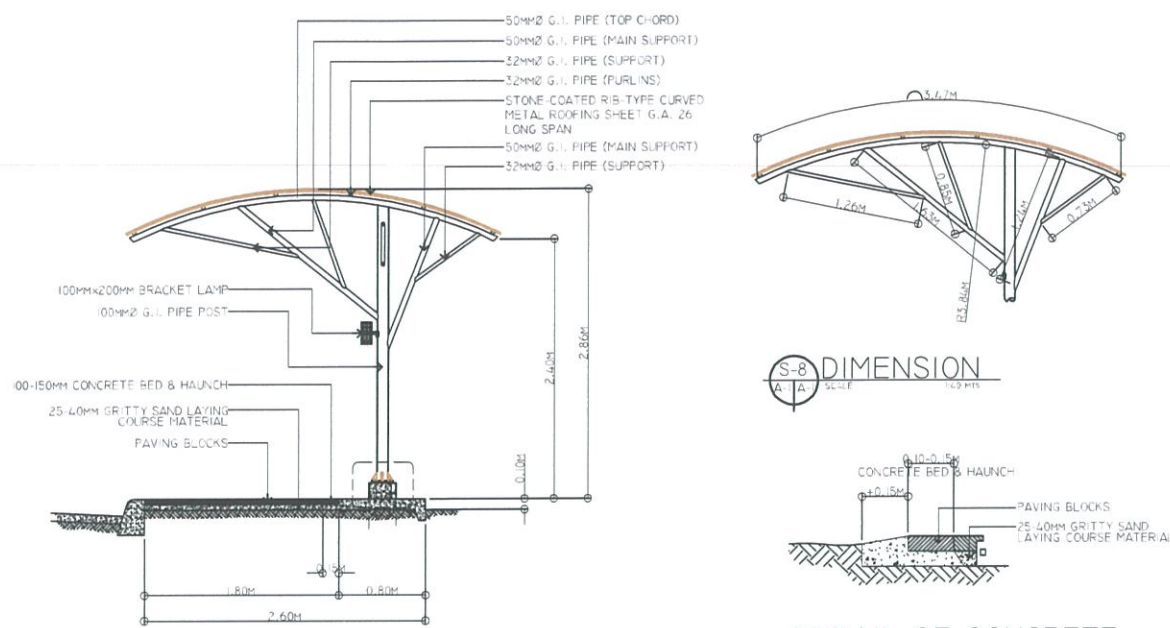
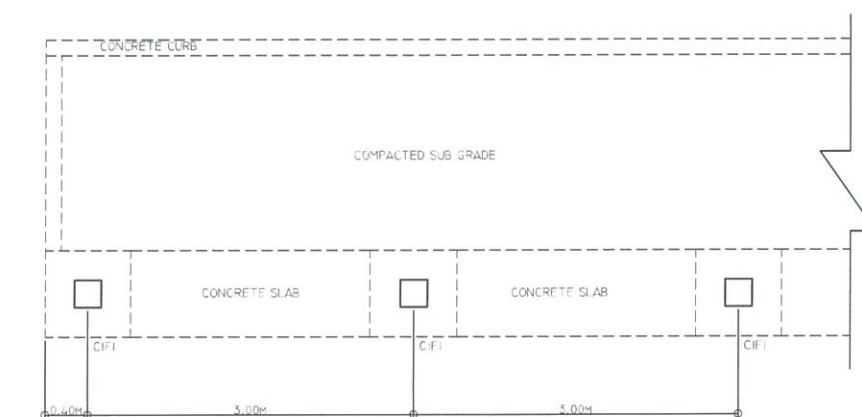
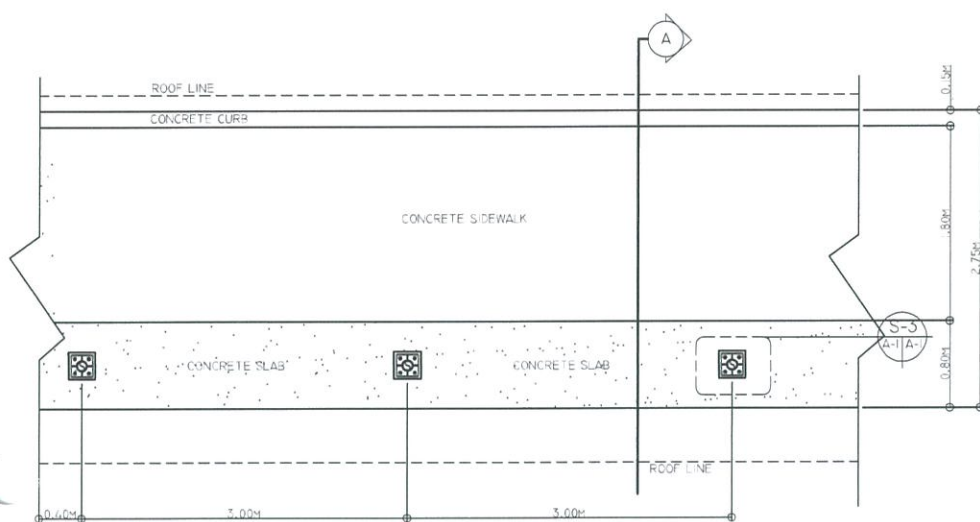
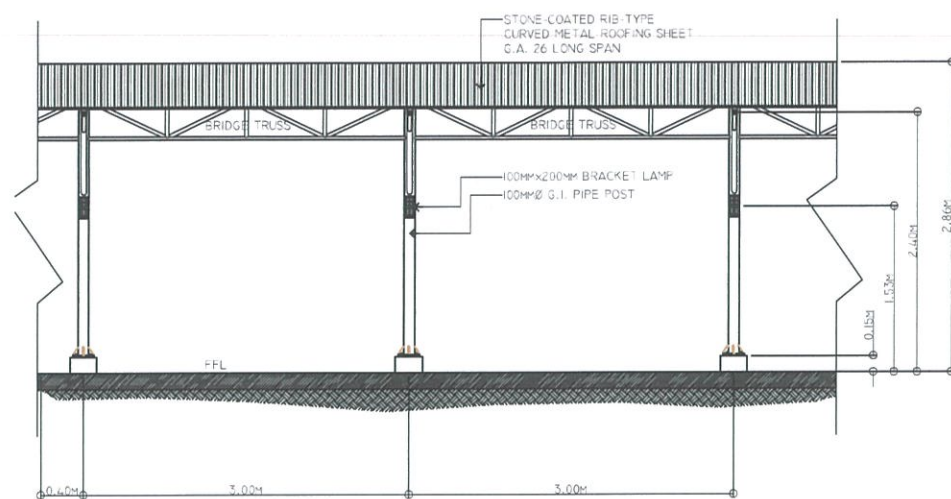
- COVERED PATHWALK (A) PLAN
- ROOF PLAN
- ELEVATION A & B
- SECTION THRU A & B
- KEYPLAN/ LOCATION PLAN

DRAWING SCALE:

AS SHOWN

SHEET NO:

14



CONSTRUCTION NOTES:

BASE PLATE
PROVIDE FULL BEARING UNDER PLATES USING
NON-SHRINK GROUT. PLACE NON-SHRINK GROUT IN
ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

CONNECTIONS NOT DETAILED SHALL BE DESIGNED IN ACCORDANCE WITH AISC "MANUAL OF STEEL CONSTRUCTION". BUILD CONNECTION INTO EXISTING WORK. DO NOT TIGHTEN ANCHOR BOLTS SET IN CONCRETE WITH IMPACT TORQUE WRENCHES.

G.I. PIPES
ALL G.I. PIPES TO BE USED SHALL BE SCHEDULE 40.

WELDING
WELDING ELECTRODES AND RODS, CONFORMED TO
AWS D1.1.

WELDED CONNECTIONS SHALL DEVELOP 100% OF THE STRENGTH OF MEMBERS BEING CONNECTED.




REPUBLIC OF THE PHILIPPINES

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AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE


INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

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<u>CHECKED BY:</u>	E.JDJR	

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Assistant Director General II, ADMS

APPROVED: 

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:
BORONGAN AIRPORT
DEVELOPMENT PROJECT
CONSTRUCTION OF COVERED
PATHWALK

LOCATION:
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:	
AS SHOWN		
	15	



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Director General

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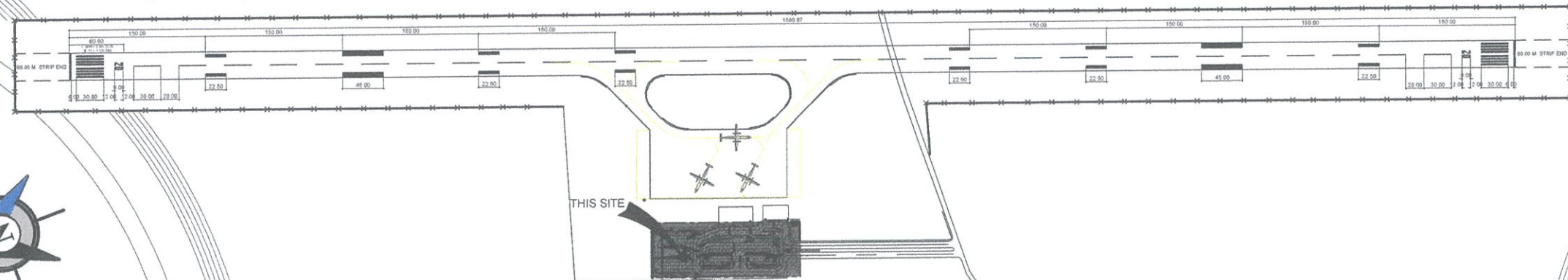
PROJECT:
BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR PARKING
AREA

LOCATION:
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

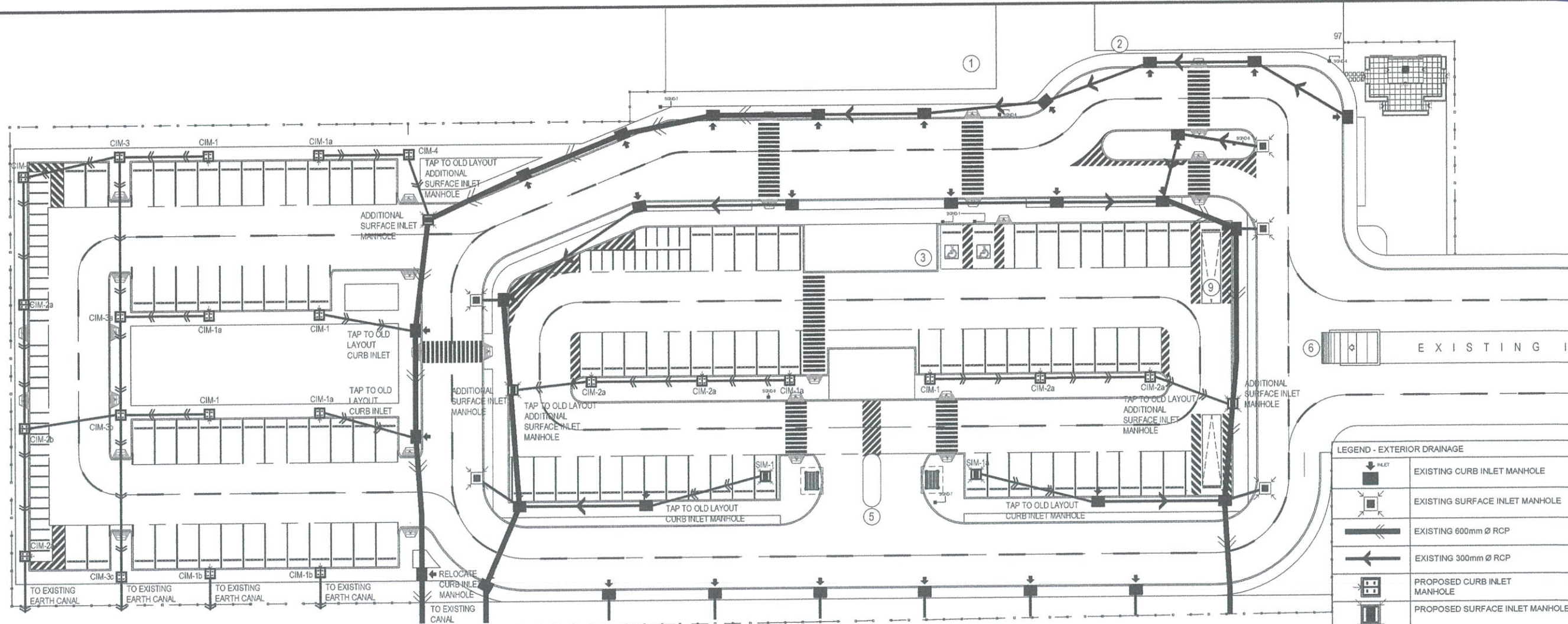
DRAWING SCALE:	SHEET NO:
AS SHOWN	10

1 + 500
1 + 400
1 + 300
1 + 200
1 + 100
1 + 000
0 + 900
0 + 800
0 + 700
0 + 600
0 + 500
0 + 400
0 + 300
0 + 200
0 + 100
0 + 000



BORONGAN AIRPORT DEVELOPMENT PROJECT
LOCATION MAP

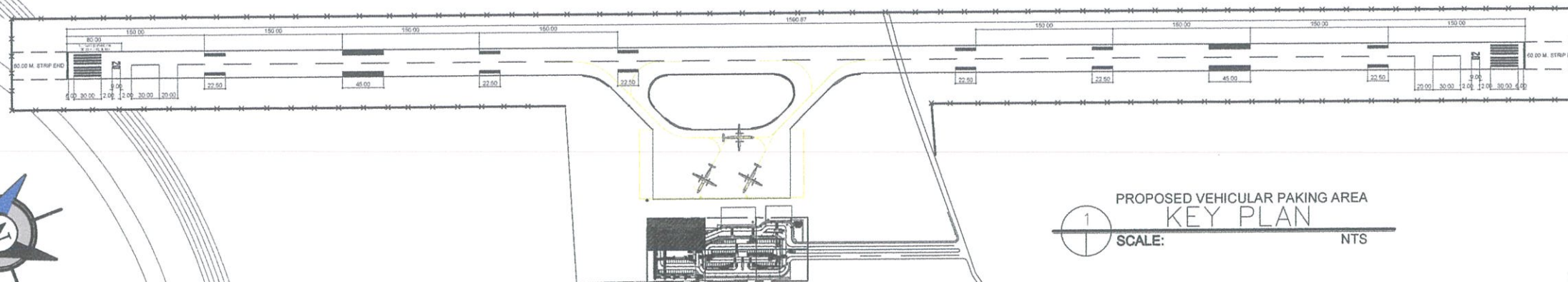
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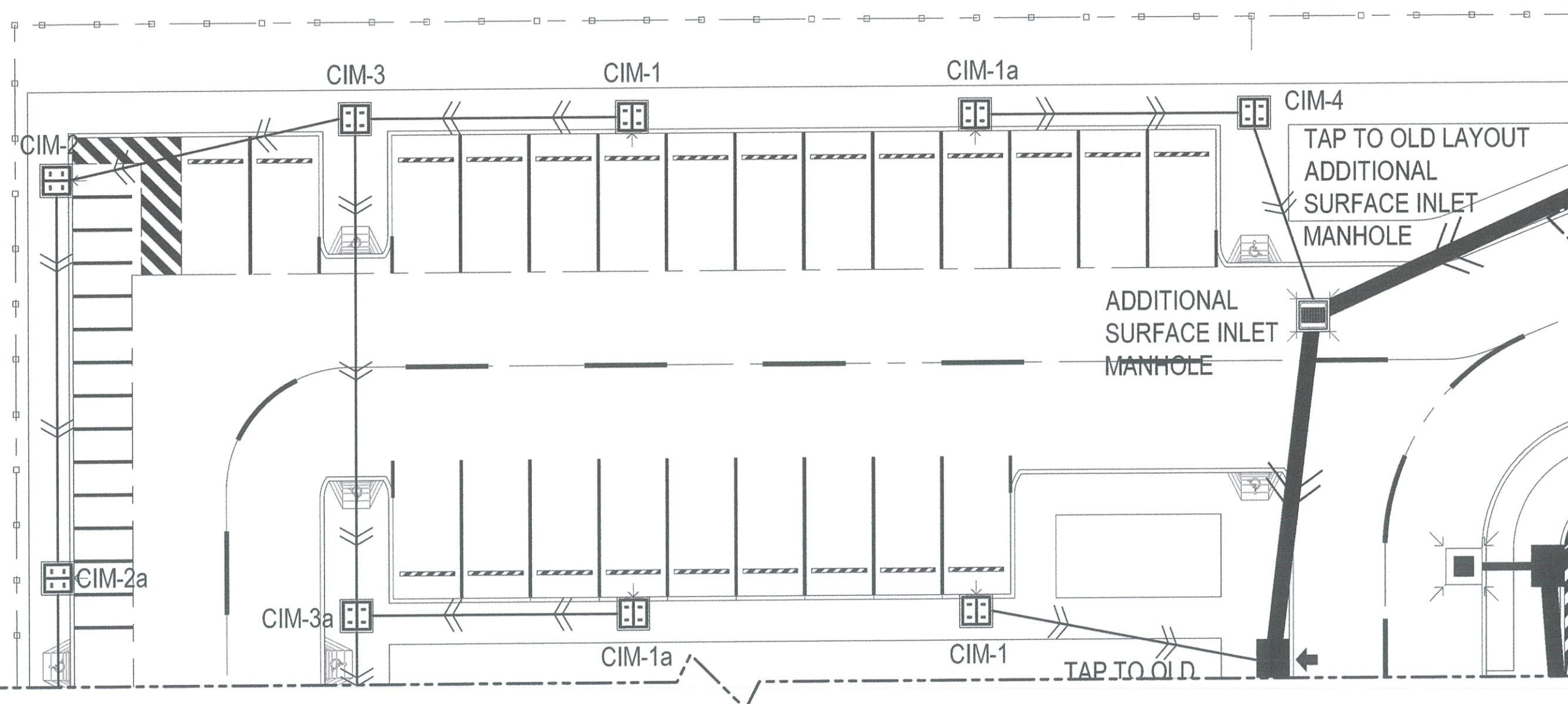
EXPANSION OF VEHICULAR PARKING
SITE DEVELOPMENT PLAN

SCALE: NTS



LEGEND - EXTERIOR DRAINAGE	
	EXISTING CURB INLET MANHOLE
	EXISTING SURFACE INLET MANHOLE
	EXISTING 600mm Ø RCP
	EXISTING 300mm Ø RCP
	PROPOSED CURB INLET MANHOLE
	PROPOSED SURFACE INLET MANHOLE
	PROPOSED CURB MANHOLE
	PROPOSED 600mm Ø RCP



PROPOSED VEHICULAR PAKING AREA
KEY PLAN
SCALE: NTS



PROPOSED VEHICULAR PAKING AREA
DETAILED A PLAN
SCALE: 1:100 MTRS



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE


INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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Assistant Director General II, ADMS

APPROVED:


CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

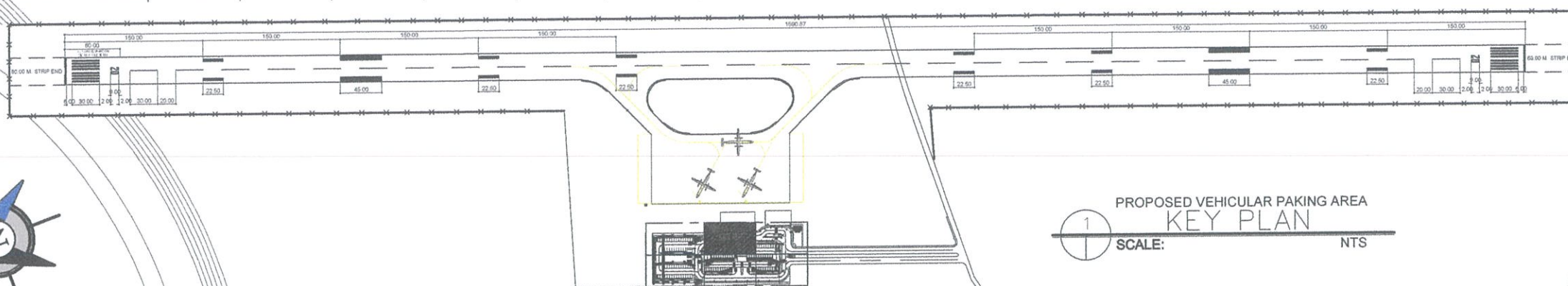
BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR PARKING
AREA

LOCATION:

BORONGAN AIRPORT
BORONGAN

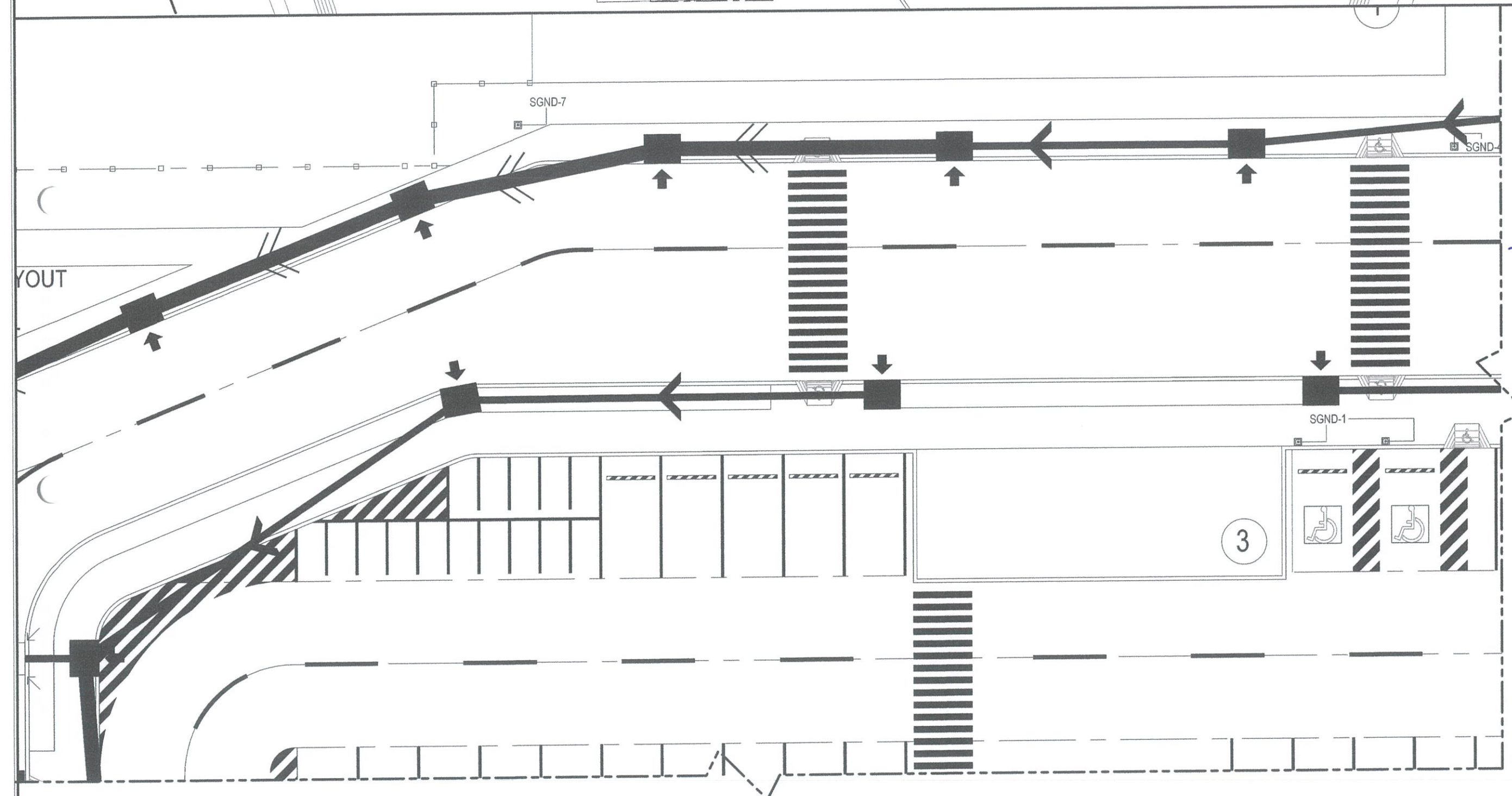
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DRAWING SCALE:	SHEET NO:
AS SHOWN	17



PROPOSED VEHICULAR PAKING AREA
KEY PLAN

SCALE: NTS



PROPOSED VEHICULAR PAKING AREA
DETAILED B PLAN

SCALE: 1:100 MTRS



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, 1300 PASAY CITY

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INFRASTRUCTURE DEVELOPMENT
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SUBMITTED BY:

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Department Manager III, AED-ADMS

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Assistant Director General II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR PARKING
AREA

LOCATION:

BORONGAN AIRPORT
BORONGAN

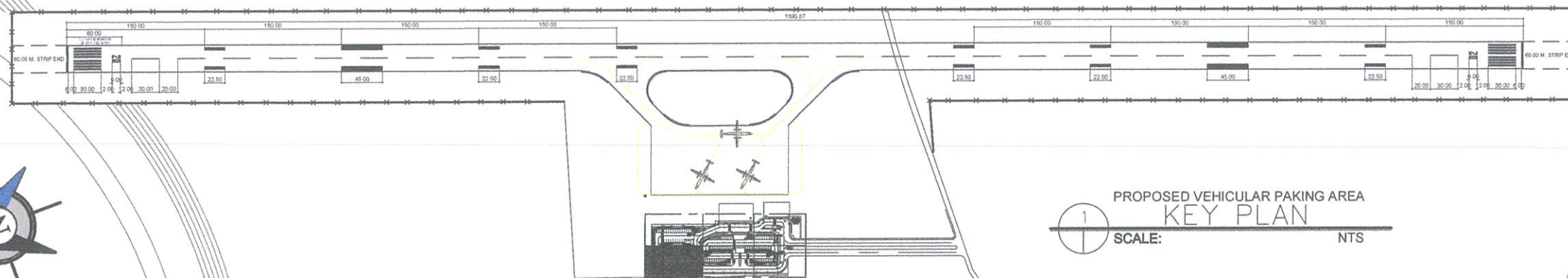
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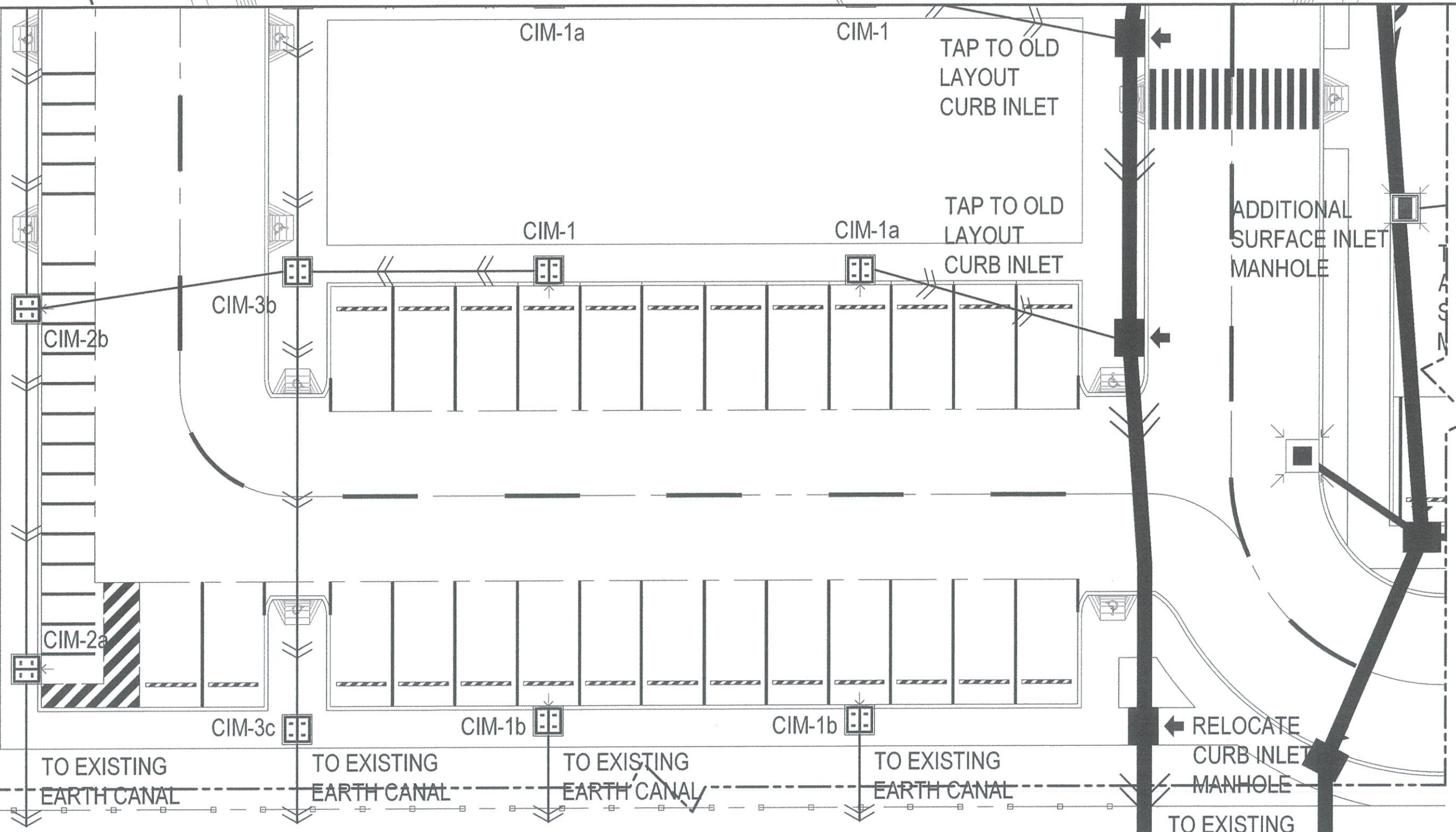
AS SHOWN

SHEET NO:

18



PROPOSED VEHICULAR PAKING AREA
KEY PLAN
SCALE: NTS



PROPOSED VEHICULAR PAKING AREA
DETAILED D PLAN
SCALE: 1:100 MTRS



REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, 1305 PASAY CITY

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Director General

NOTES/REVISIONS:

PROJECT:
BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR PARKING
AREA

LOCATION:
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:
AS SHOWN	20



REPUBLIC OF THE PHILIPPINES

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
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CAAP

AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
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Assistant Director General II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

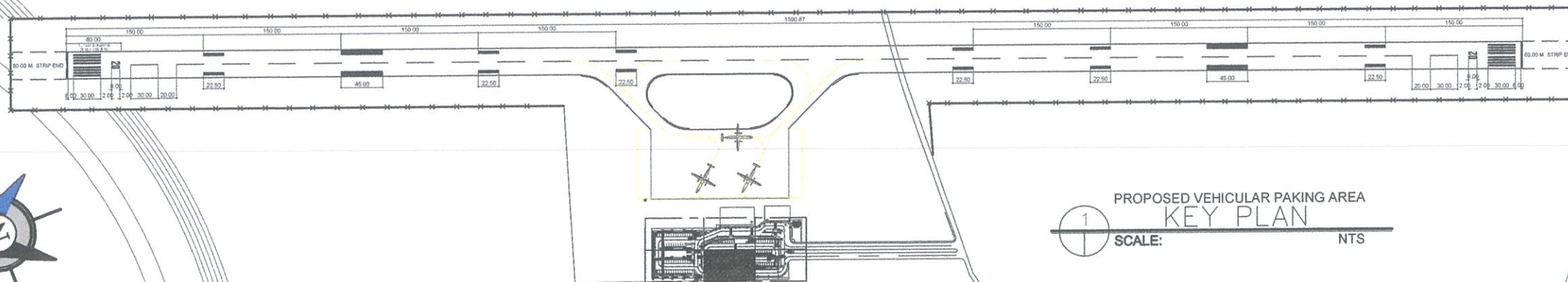
NOTES/REVISIONS:

PROJECT:
BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR PARKING
AREA

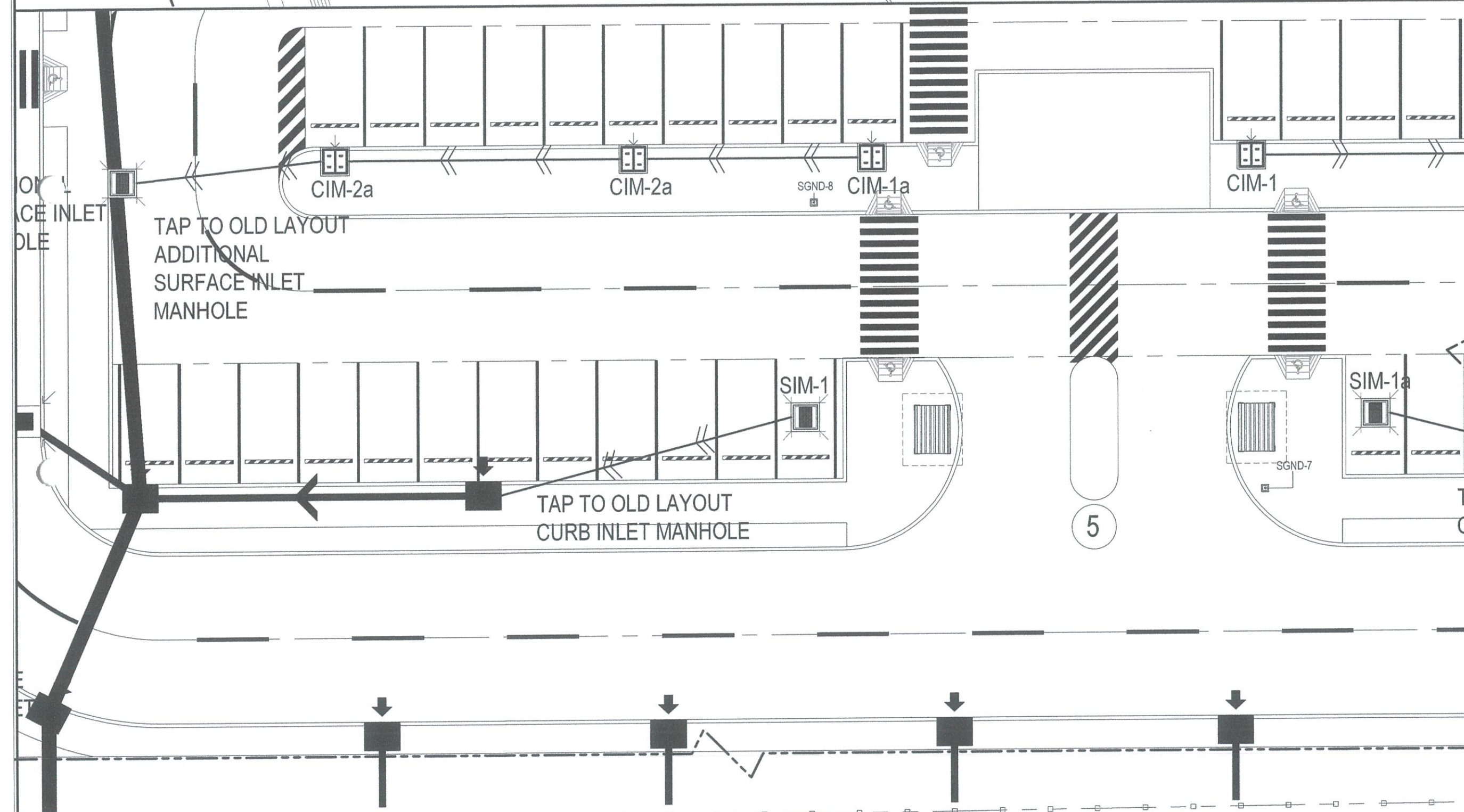
LOCATION:
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

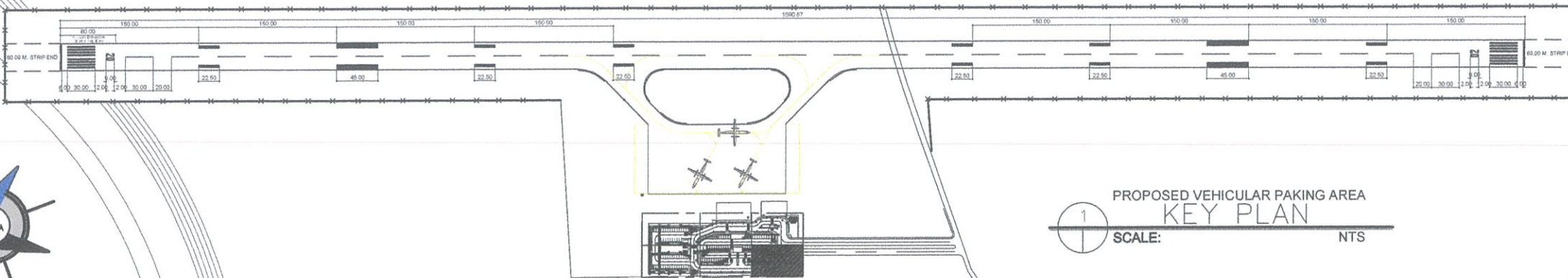
DRAWING SCALE:	SHEET NO:
AS SHOWN	21



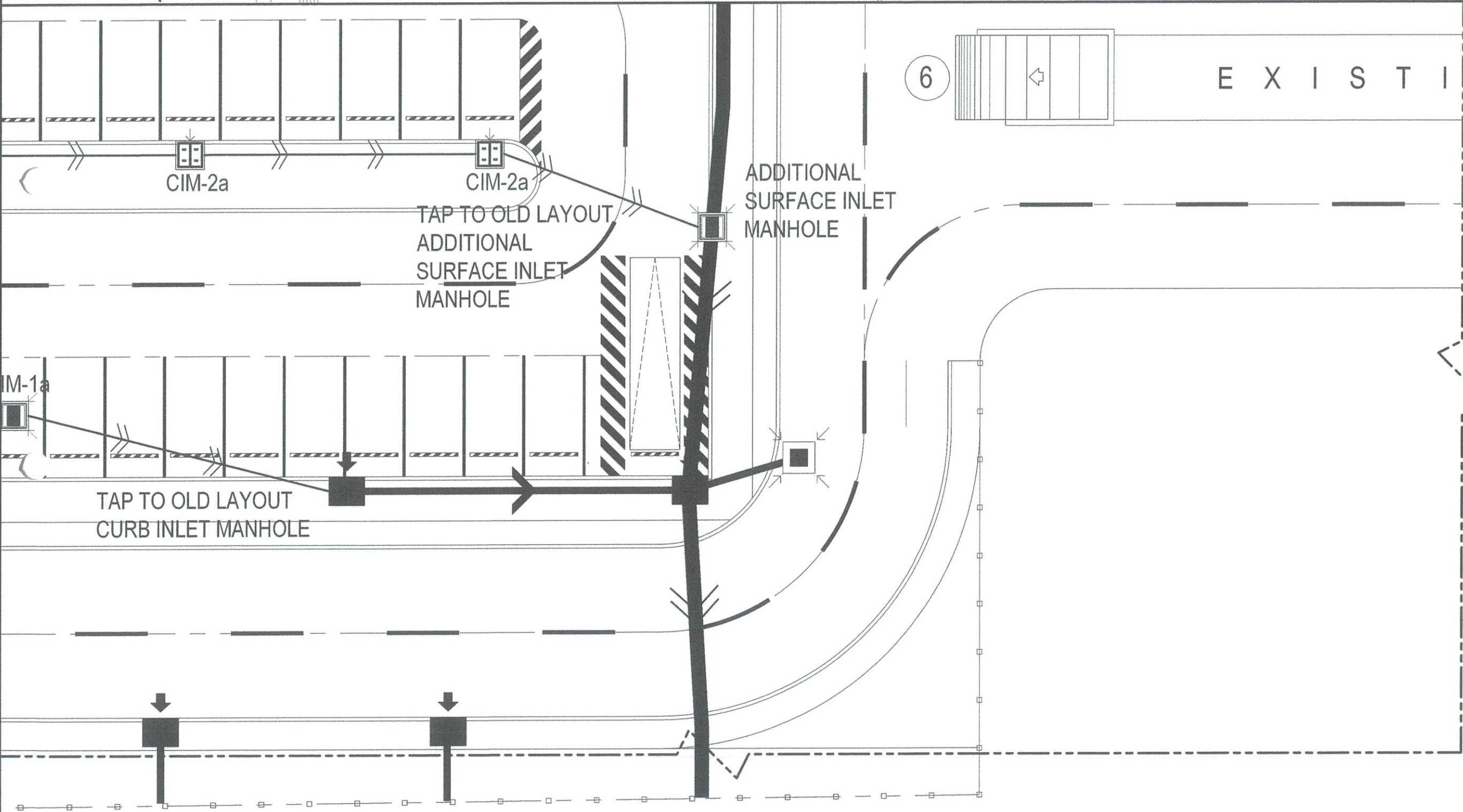
PROPOSED VEHICULAR PAKING AREA
KEY PLAN
SCALE: NTS





PROPOSED VEHICULAR PAKING AREA
DETAILED E PLAN
SCALE: 1:100 MTRS



PROPOSED VEHICULAR PAKING AREA
KEY PLAN
SCALE: 1:100 MTRS



PROPOSED VEHICULAR PAKING AREA
DETAILED F PLAN
SCALE: 1:100 MTRS



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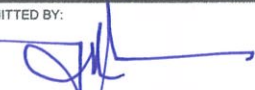
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION


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Director General

NOTES/REVISIONS:

PROJECT:

BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR PARKING AREA

LOCATION:

BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:
AS SHOWN	22

SEWER INLET MANHOLE DETAIL			
	CIM-1	CIM-1a	CIM-1b
SEWER INLET MANHOLE DIAGRAM			
SEWER INLET MANHOLE PLAN DETAIL	<p>ORIENTATION AND SIZE OF RC VARIES (PLEASE REFER TO LAYOUT PLAN)</p> <p>9-12mm Ø STEEL BAR SPACING @ 70mm O.C.</p>	<p>ORIENTATION AND SIZE OF RC VARIES (PLEASE REFER TO LAYOUT PLAN)</p> <p>9-12mm Ø STEEL BAR SPACING @ 70mm O.C.</p>	<p>9-12mm Ø STEEL BAR SPACING @ 70mm O.C.</p> <p>ORIENTATION AND SIZE OF RC VARIES (PLEASE REFER TO LAYOUT PLAN)</p>
SEWER INLET MANHOLE SECTION DETAIL	<p>6" THK. LOAD BEARING CHB (INDIVIDUAL COMPRESSIVE STRENGTH OF 700-800psi) WITH 12mm Ø VERTICAL AND HORIZONTAL BARS SPACED @ 400mm O.C. AND 16mm THK. ROUGH CEMENT PLASTER ON INTERIOR FACE</p> <p>12mm Ø BARS SPACED @ 150mm O.C. BOTHWAYS</p> <p>150mm CONCRETE COVER W/ 5mm MILD STEEL PLATE WRAPPED AROUND AND WITH 12mm Ø ROUND BAR LIFTING HANDLE</p> <p>VERIFY ACTUAL DEPTH</p> <p>600mm Ø (24" Ø) RCP</p> <p>12mm Ø BARS SPACED @ 220mm O.C. BOTHWAYS</p> <p>75mm THK. GRAVEL BASE</p>	<p>12mm Ø BARS SPACED @ 150mm O.C. BOTHWAYS</p> <p>6" THK. LOAD BEARING CHB (INDIVIDUAL COMPRESSIVE STRENGTH OF 700-800psi) WITH 12mm Ø VERTICAL AND HORIZONTAL BARS SPACED @ 400mm O.C. AND 16mm THK. ROUGH CEMENT PLASTER ON INTERIOR FACE</p> <p>150mm CONCRETE COVER W/ 5mm MILD STEEL PLATE WRAPPED AROUND AND WITH 12mm Ø ROUND BAR LIFTING HANDLE</p> <p>VERIFY ACTUAL DEPTH</p> <p>600mm Ø (24" Ø) RCP</p> <p>75mm THK. GRAVEL BASE</p> <p>12mm Ø BARS SPACED @ 220mm O.C. BOTHWAYS</p>	<p>9-12mm Ø STEEL BAR SPACING @ 70mm O.C.</p> <p>12mm Ø BARS SPACED @ 150mm O.C. BOTHWAYS</p> <p>6" THK. LOAD BEARING CHB (INDIVIDUAL COMPRESSIVE STRENGTH OF 700-800psi) WITH 12mm Ø VERTICAL AND HORIZONTAL BARS SPACED @ 400mm O.C. AND 16mm THK. ROUGH CEMENT PLASTER ON INTERIOR FACE</p> <p>150mm CONCRETE COVER W/ 5mm MILD STEEL PLATE WRAPPED AROUND AND WITH 12mm Ø ROUND BAR LIFTING HANDLE</p> <p>VERIFY ACTUAL DEPTH</p> <p>600mm Ø (24" Ø) RCP</p> <p>75mm THK. GRAVEL BASE</p> <p>12mm Ø BARS SPACED @ 220mm O.C. BOTHWAYS</p>
	CURB INLET MANHOLE	CURB INLET MANHOLE	



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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NOTES/REVISIONS:

PROJECT:

BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR PARKING AREA

LOCATION:

BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

DRAWING SCALE: AS SHOWN

SHEET NO: 23

SEWER INLET MANHOLE DETAIL			
	CIM-2	CIM-2a	CIM-2b
SEWER INLET MANHOLE DIAGRAM			
SEWER INLET MANHOLE PLAN DETAIL	<p>1.20 1.00 0.97</p> <p>9-12mm Ø STEEL BAR SPACING @ 70mm O.C.</p> <p>ORIENTATION AND SIZE OF RC VARIES (PLEASE REFER TO LAYOUT PLAN)</p>	<p>1.20 1.00 0.97</p> <p>9-12mm Ø STEEL BAR SPACING @ 70mm O.C.</p> <p>ORIENTATION AND SIZE OF RC VARIES (PLEASE REFER TO LAYOUT PLAN)</p>	<p>1.20 1.00 0.97</p> <p>9-12mm Ø STEEL BAR SPACING @ 70mm O.C.</p> <p>ORIENTATION AND SIZE OF RC VARIES (PLEASE REFER TO LAYOUT PLAN)</p>
SEWER INLET MANHOLE SECTION DETAIL	<p>12mm Ø BARS SPACED @ 150mm O.C. BOTHWAYS</p> <p>9-12mm Ø STEEL BAR SPACING @ 70mm O.C.</p> <p>6" THK. LOAD BEARING CHB (INDIVIDUAL COMPRESSIVE STRENGTH OF 700-800psi) WITH 12mm Ø VERTICAL AND HORIZONTAL BARS SPACED @ 400mm O.C. AND 16mm THK. ROUGH CEMENT PLASTER ON INTERIOR FACE</p> <p>150mm CONCRETE COVER W/ 5mm MILD STEEL PLATE WRAPPED AROUND AND WITH 12mm Ø ROUND BAR LIFTING HANDLE</p> <p>600mm Ø (24" Ø) RCP</p> <p>75mm THK. GRAVEL BASE</p> <p>12mm Ø BARS SPACED @ 220mm O.C. BOTHWAYS</p> <p>VERIFY ACTUAL DEPTH</p>	<p>12mm Ø BARS SPACED @ 150mm O.C. BOTHWAYS</p> <p>9-12mm Ø STEEL BAR SPACING @ 70mm O.C.</p> <p>6" THK. LOAD BEARING CHB (INDIVIDUAL COMPRESSIVE STRENGTH OF 700-800psi) WITH 12mm Ø VERTICAL AND HORIZONTAL BARS SPACED @ 400mm O.C. AND 16mm THK. ROUGH CEMENT PLASTER ON INTERIOR FACE</p> <p>150mm CONCRETE COVER W/ 5mm MILD STEEL PLATE WRAPPED AROUND AND WITH 12mm Ø ROUND BAR LIFTING HANDLE</p> <p>600mm Ø (24" Ø) RCP</p> <p>75mm THK. GRAVEL BASE</p> <p>12mm Ø BARS SPACED @ 220mm O.C. BOTHWAYS</p> <p>VERIFY ACTUAL DEPTH</p>	<p>12mm Ø BARS SPACED @ 150mm O.C. BOTHWAYS</p> <p>9-12mm Ø STEEL BAR SPACING @ 70mm O.C.</p> <p>6" THK. LOAD BEARING CHB (INDIVIDUAL COMPRESSIVE STRENGTH OF 700-800psi) WITH 12mm Ø VERTICAL AND HORIZONTAL BARS SPACED @ 400mm O.C. AND 16mm THK. ROUGH CEMENT PLASTER ON INTERIOR FACE</p> <p>150mm CONCRETE COVER W/ 5mm MILD STEEL PLATE WRAPPED AROUND AND WITH 12mm Ø ROUND BAR LIFTING HANDLE</p> <p>600mm Ø (24" Ø) RCP</p> <p>75mm THK. GRAVEL BASE</p> <p>12mm Ø BARS SPACED @ 220mm O.C. BOTHWAYS</p> <p>VERIFY ACTUAL DEPTH</p>
	CURB INLET MANHOLE	CURB INLET MANHOLE	CURB INLET MANHOLE

SEWER INLET MANHOLE DETAIL

	CIM-3	CIM-3a	CIM-3b
SEWER INLET MANHOLE DIAGRAM			
SEWER INLET MANHOLE PLAN DETAIL	<p>ORIENTATION AND SIZE OF RC VARIES (PLEASE REFER TO LAYOUT PLAN)</p>	<p>ORIENTATION AND SIZE OF RC VARIES (PLEASE REFER TO LAYOUT PLAN)</p>	<p>ORIENTATION AND SIZE OF RC VARIES (PLEASE REFER TO LAYOUT PLAN)</p>
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	CURB INLET MANHOLE	CURB INLET MANHOLE	CURB INLET MANHOLE



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INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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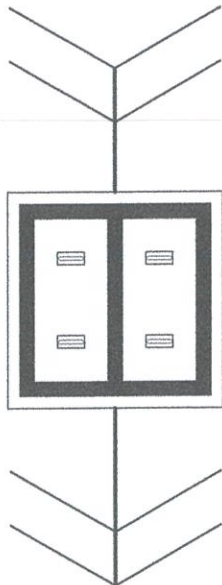
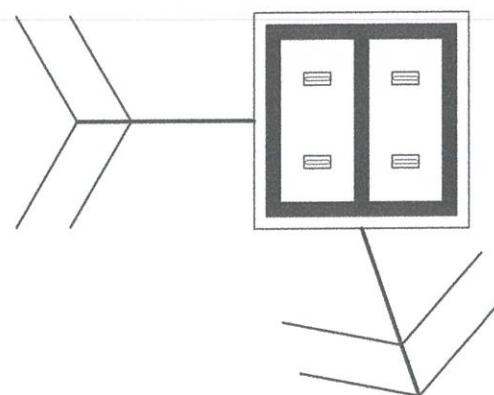
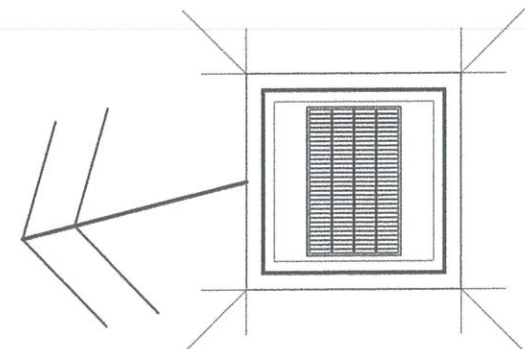
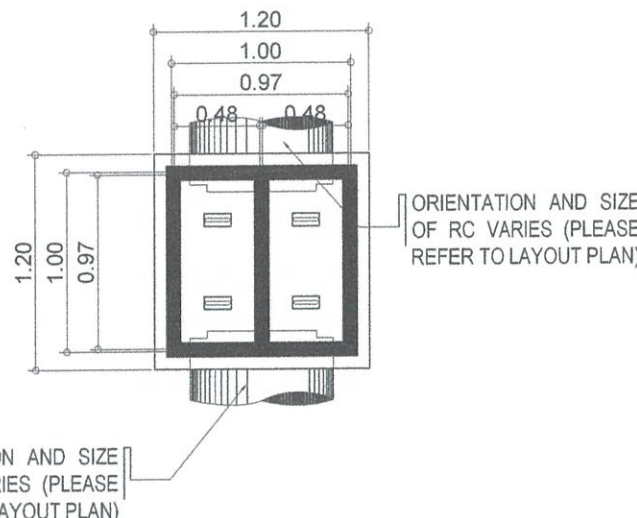
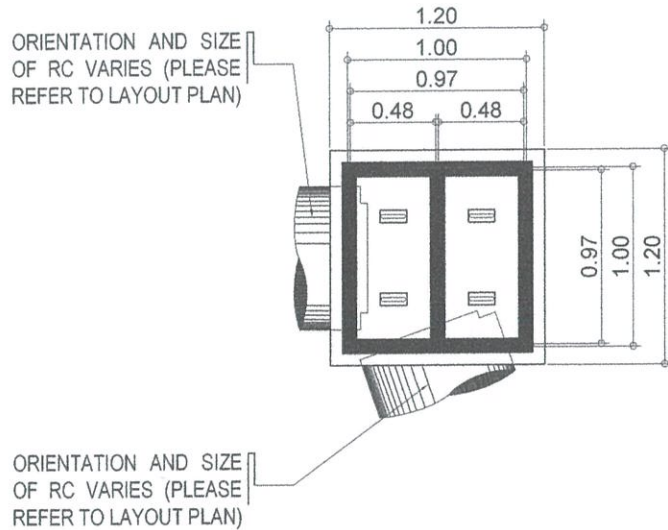
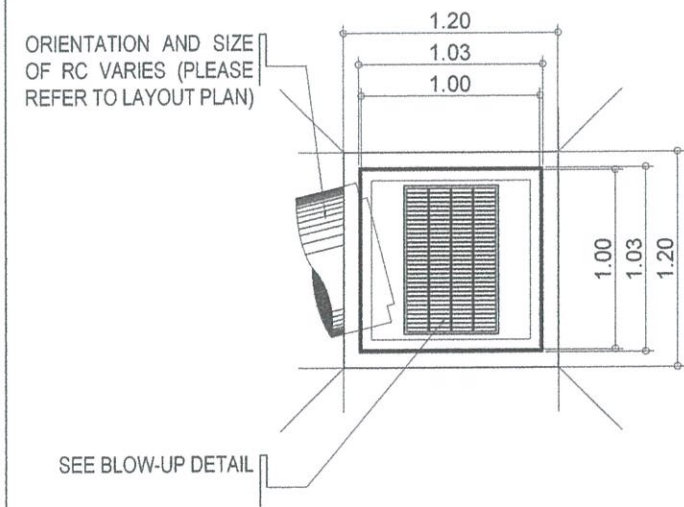
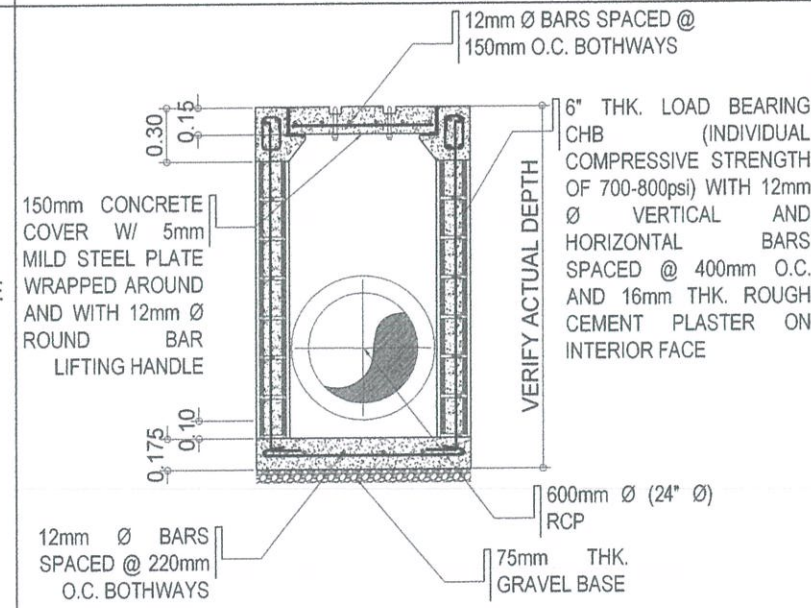
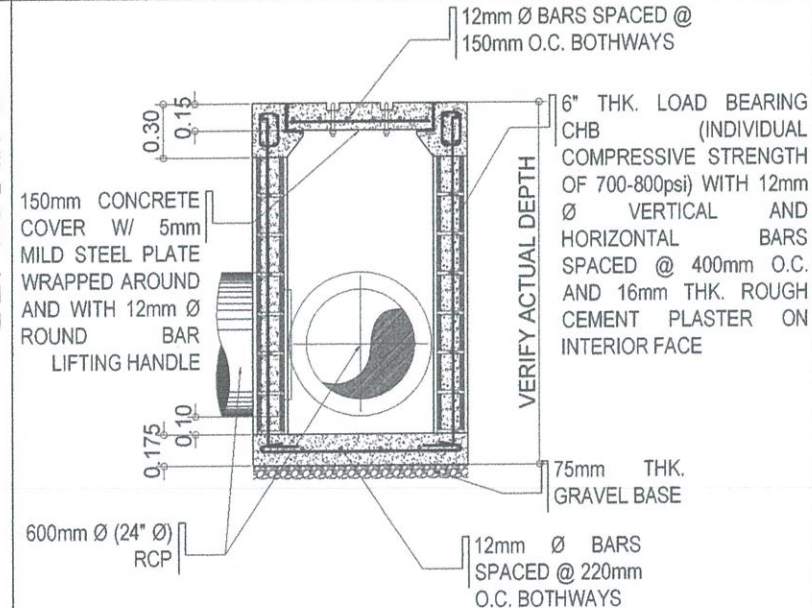
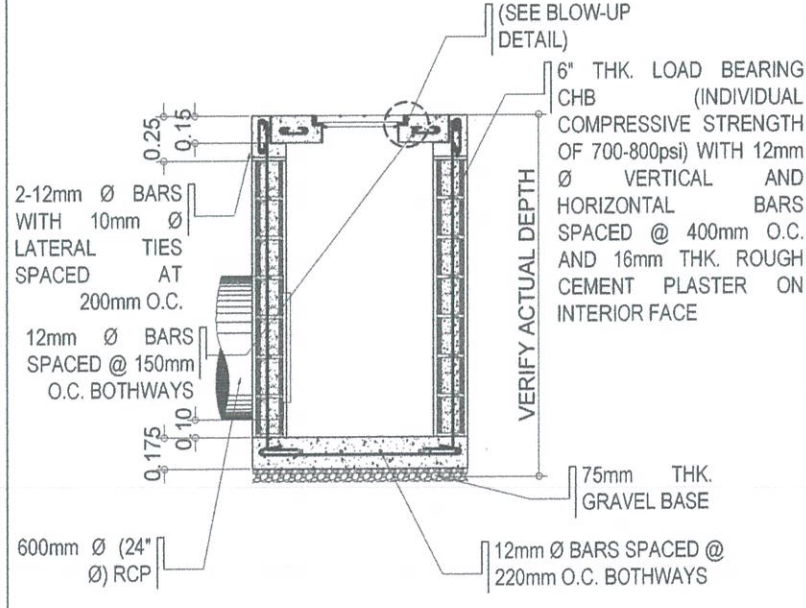
PROJECT:
BORONGAN AIRPORT DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR PARKING AREA

LOCATION:
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:
AS SHOWN	25

SEWER INLET MANHOLE DETAIL

	CIM-3c	CIM-4	SIM-1
SEWER INLET MANHOLE DIAGRAM			
SEWER INLET MANHOLE PLAN DETAIL	 <p>ORIENTATION AND SIZE OF RC VARIES (PLEASE REFER TO LAYOUT PLAN)</p>	 <p>ORIENTATION AND SIZE OF RC VARIES (PLEASE REFER TO LAYOUT PLAN)</p>	 <p>SEE BLOW-UP DETAIL</p>
SEWER INLET MANHOLE SECTION DETAIL	 <p>12mm Ø BARS SPACED @ 150mm O.C. BOTHWAYS</p> <p>6" THK. LOAD BEARING CHB (INDIVIDUAL COMPRESSIVE STRENGTH OF 700-800psi) WITH 12mm Ø VERTICAL AND HORIZONTAL BARS SPACED @ 400mm O.C. AND 16mm THK. ROUGH CEMENT PLASTER ON INTERIOR FACE</p> <p>150mm CONCRETE COVER W/ 5mm MILD STEEL PLATE WRAPPED AROUND AND WITH 12mm Ø ROUND BAR LIFTING HANDLE</p> <p>VERIFY ACTUAL DEPTH</p> <p>12mm Ø BARS SPACED @ 220mm O.C. BOTHWAYS</p> <p>600mm Ø (24" Ø) RCP</p> <p>75mm THK. GRAVEL BASE</p>	 <p>12mm Ø BARS SPACED @ 150mm O.C. BOTHWAYS</p> <p>6" THK. LOAD BEARING CHB (INDIVIDUAL COMPRESSIVE STRENGTH OF 700-800psi) WITH 12mm Ø VERTICAL AND HORIZONTAL BARS SPACED @ 400mm O.C. AND 16mm THK. ROUGH CEMENT PLASTER ON INTERIOR FACE</p> <p>150mm CONCRETE COVER W/ 5mm MILD STEEL PLATE WRAPPED AROUND AND WITH 12mm Ø ROUND BAR LIFTING HANDLE</p> <p>VERIFY ACTUAL DEPTH</p> <p>12mm Ø BARS SPACED @ 220mm O.C. BOTHWAYS</p> <p>600mm Ø (24" Ø) RCP</p> <p>75mm THK. GRAVEL BASE</p>	 <p>(SEE BLOW-UP DETAIL)</p> <p>6" THK. LOAD BEARING CHB (INDIVIDUAL COMPRESSIVE STRENGTH OF 700-800psi) WITH 12mm Ø VERTICAL AND HORIZONTAL BARS SPACED @ 400mm O.C. AND 16mm THK. ROUGH CEMENT PLASTER ON INTERIOR FACE</p> <p>150mm CONCRETE COVER W/ 5mm MILD STEEL PLATE WRAPPED AROUND AND WITH 12mm Ø ROUND BAR LIFTING HANDLE</p> <p>VERIFY ACTUAL DEPTH</p> <p>12mm Ø BARS SPACED @ 220mm O.C. BOTHWAYS</p> <p>600mm Ø (24" Ø) RCP</p> <p>75mm THK. GRAVEL BASE</p>
	CURB INLET MANHOLE	CURB INLET MANHOLE	SURFACE INLET MANHOLE



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DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR PARKING
AREA

LOCATION:

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BORONGAN

SHEET CONTENTS:

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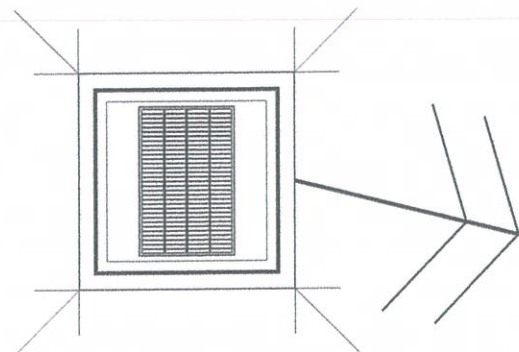
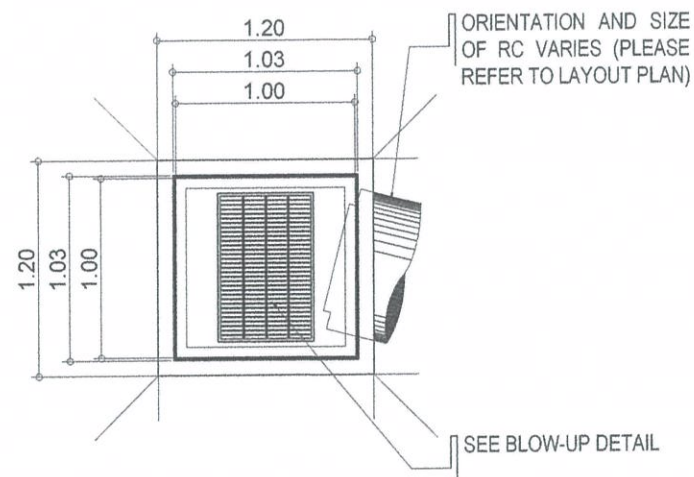
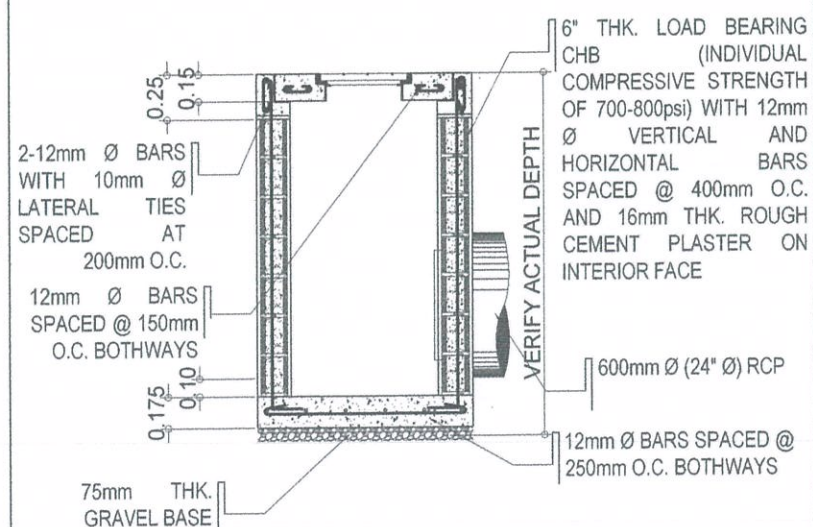
SHEET NO:

AS SHOWN

26

SEWER INLET MANHOLE DETAIL

SIM-1a

SEWER
INLET
MANHOLE
DIAGRAMSEWER
INLET
MANHOLE
PLAN
DETAILSEWER
INLET
MANHOLE
SECTION
DETAIL

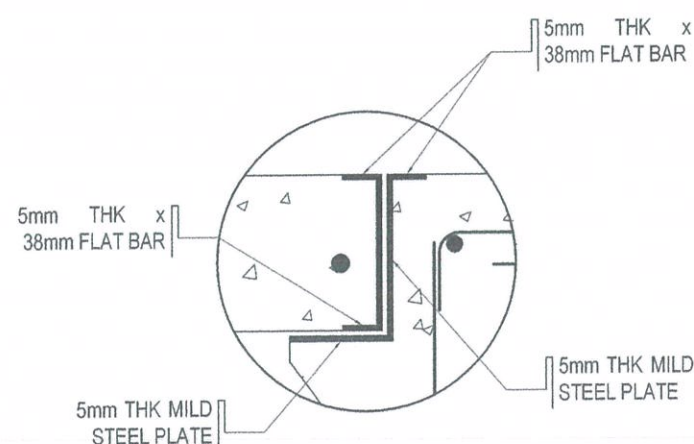
SURFACE INLET MANHOLE

SEWER INLET MANHOLE DETAIL

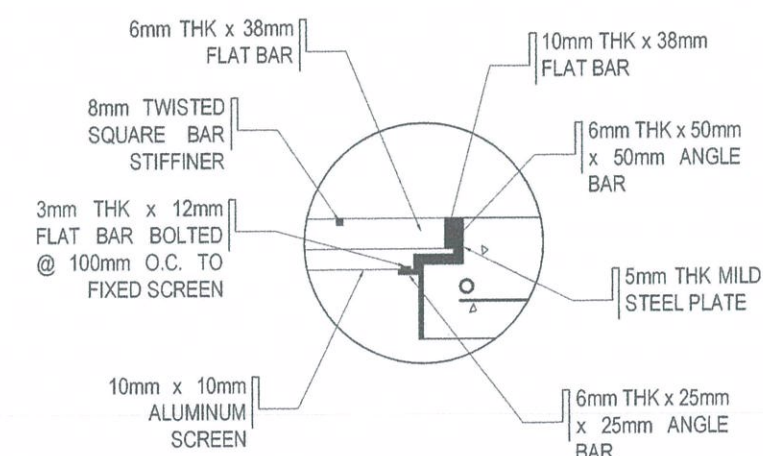
INLET MANHOLE	DIMENSION			QUANTITY
	WIDTH (M)	LENGTH (M)	DEPTH (M)	
CURB INLET MANHOLE (CIM)				
CIM - 1	1.20	1.20	verify on site	4
CIM - 1a	1.20	1.20	verify on site	4
CIM - 1b	1.20	1.20	verify on site	2
CIM - 2	1.20	1.20	verify on site	1
CIM - 2a	1.20	1.20	verify on site	6
CIM - 2b	1.20	1.20	verify on site	1
CIM - 3	1.20	1.20	verify on site	1
CIM - 3a	1.20	1.20	verify on site	1
CIM - 3b	1.20	1.20	verify on site	1
CIM - 3c	1.20	1.20	verify on site	1
CIM - 4	1.20	1.20	verify on site	1
SURFACE INLET MANHOLE (CIM)				
SIM - 1	1.20	1.20	verify on site	1
SIM - 1a	1.20	1.20	verify on site	1

LEGEND - EXTERIOR DRAINAGE

	EXISTING CURB INLET MANHOLE
	EXISTING SURFACE INLET MANHOLE
	EXISTING 600mm Ø RCP
	EXISTING 300mm Ø RCP
	PROPOSED CURB INLET MANHOLE
	PROPOSED SURFACE INLET MANHOLE
	PROPOSED CURB MANHOLE
	PROPOSED 600mm Ø RCP



CURB INLET MANHOLE



SURFACE INLET MANHOLE

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NOTES/REVISIONS:

PROJECT:
BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR PARKING
AREALOCATION:
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

DRAWING SCALE: AS SHOWN
SHEET NO: 27



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
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AND MANAGEMENT SERVICE

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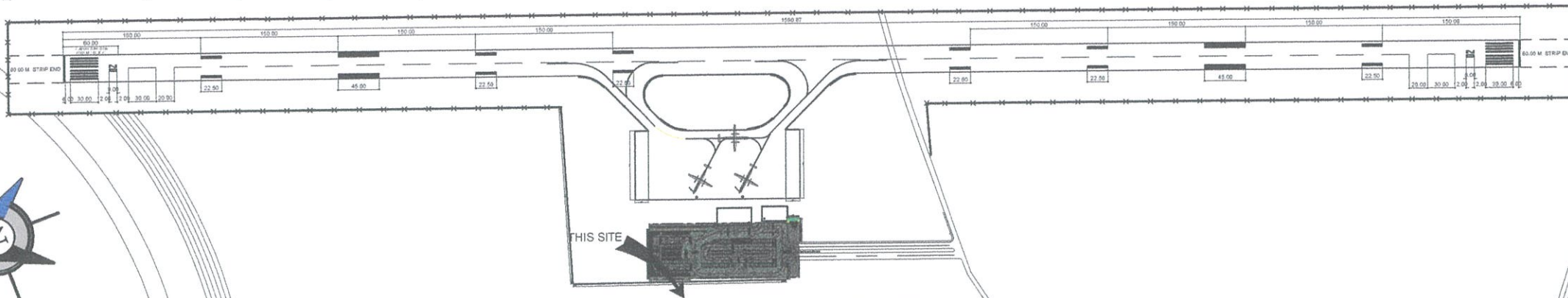
NOTES/REVISIONS:

PROJECT:
BORONGAN AIRPORT
DEVELOPMENT PROJECT
COMPLETION OF VEHICULAR
PARKING AREA

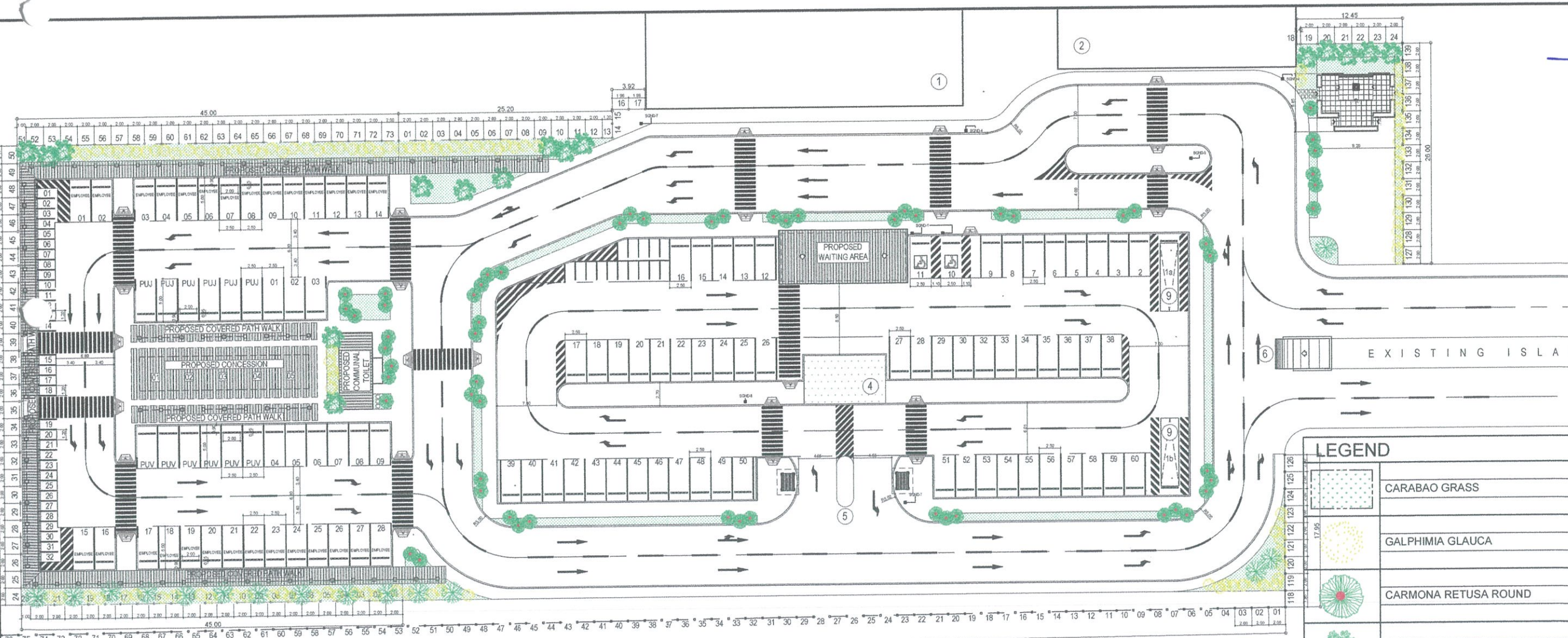
LOCATION:
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BORONGAN

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:
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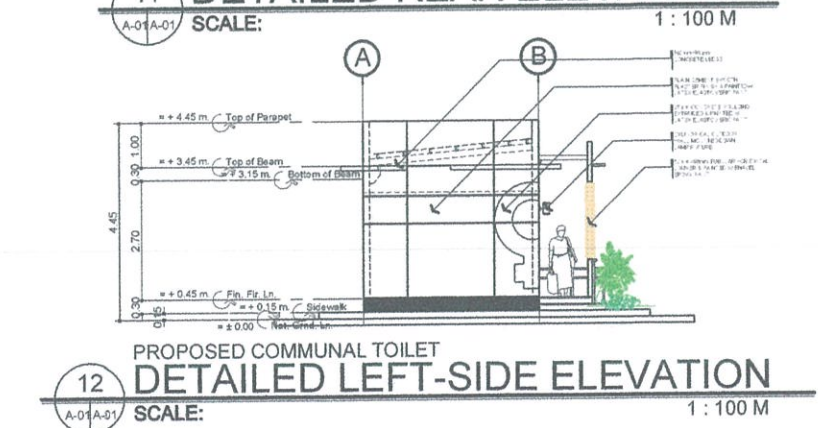
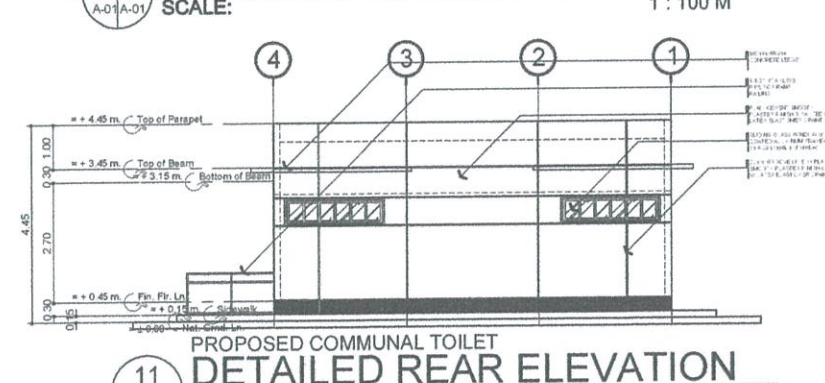
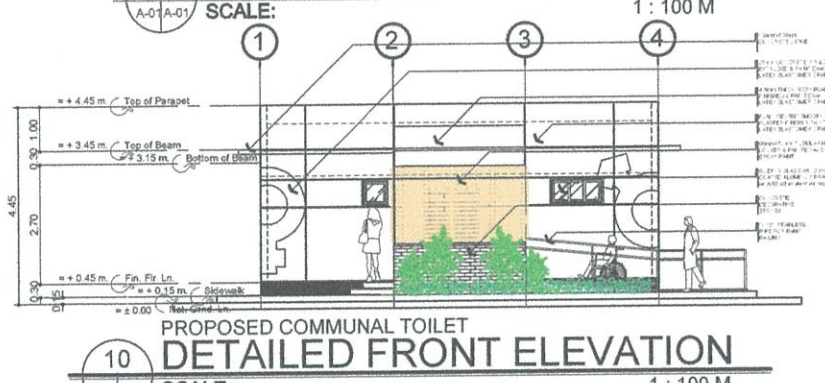
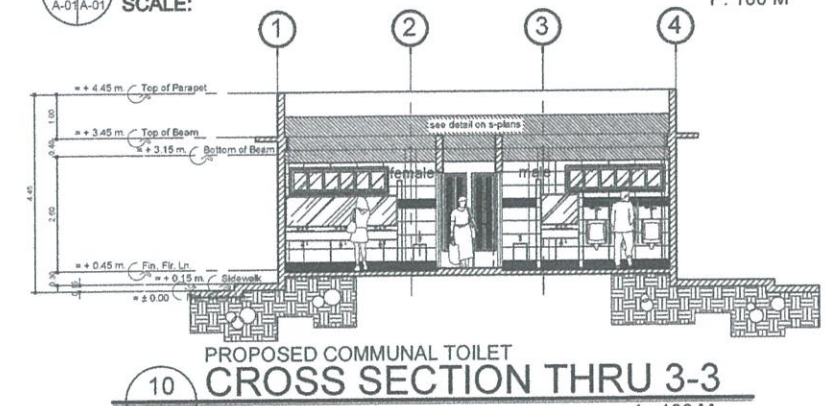
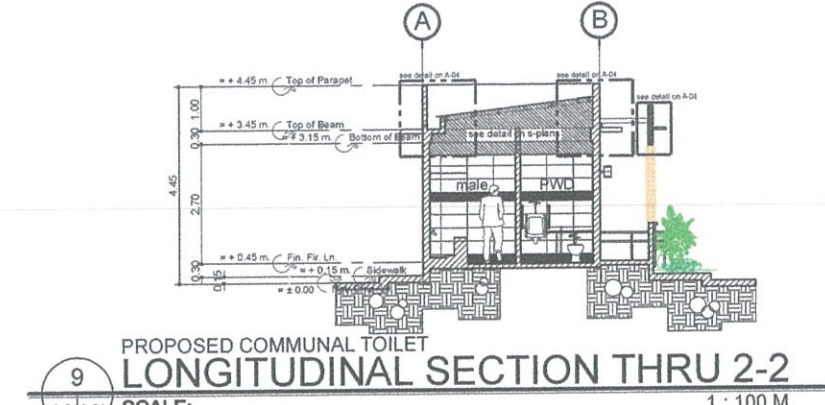
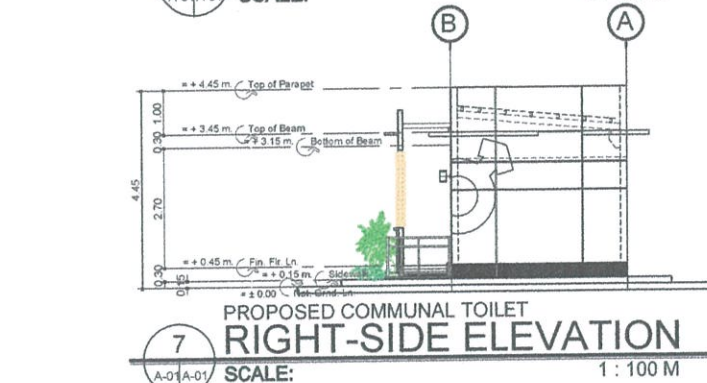
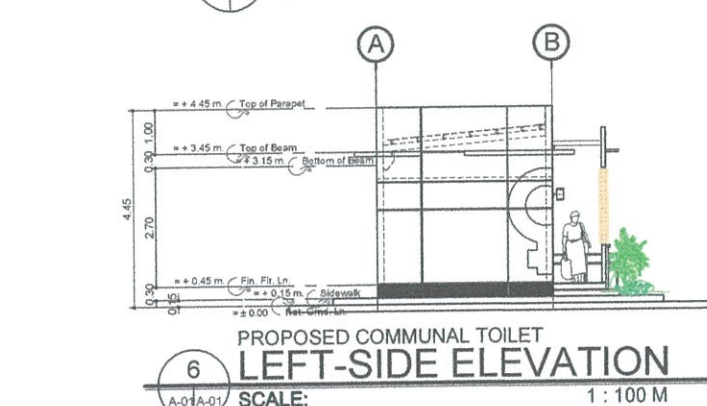
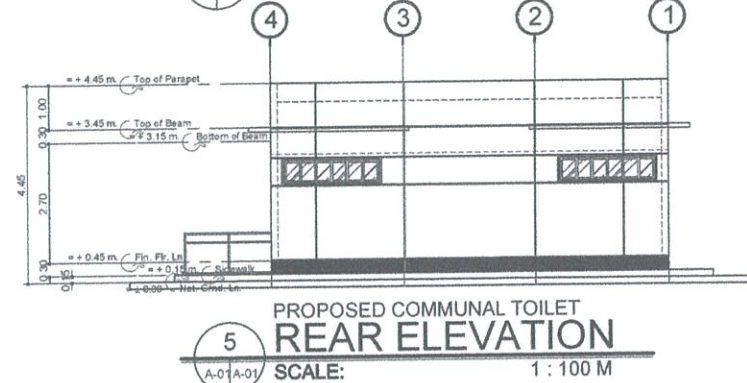
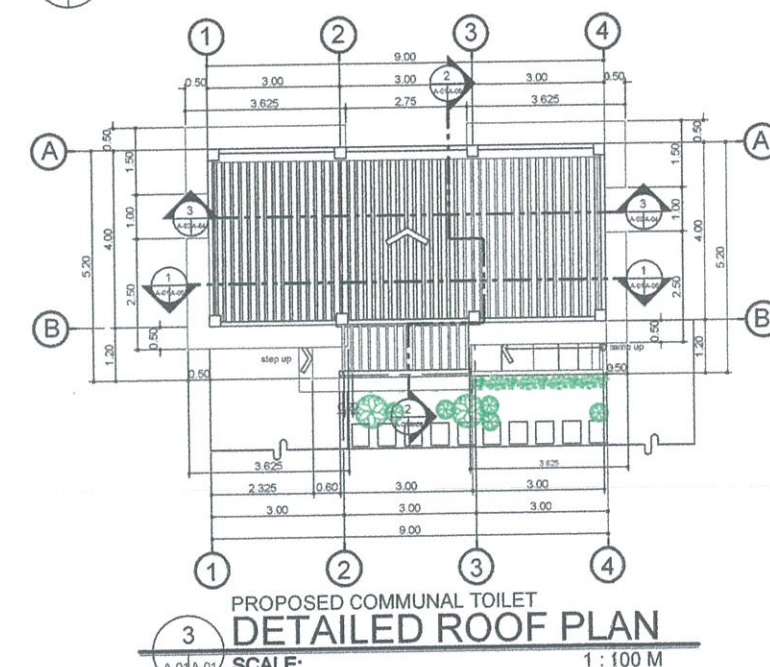
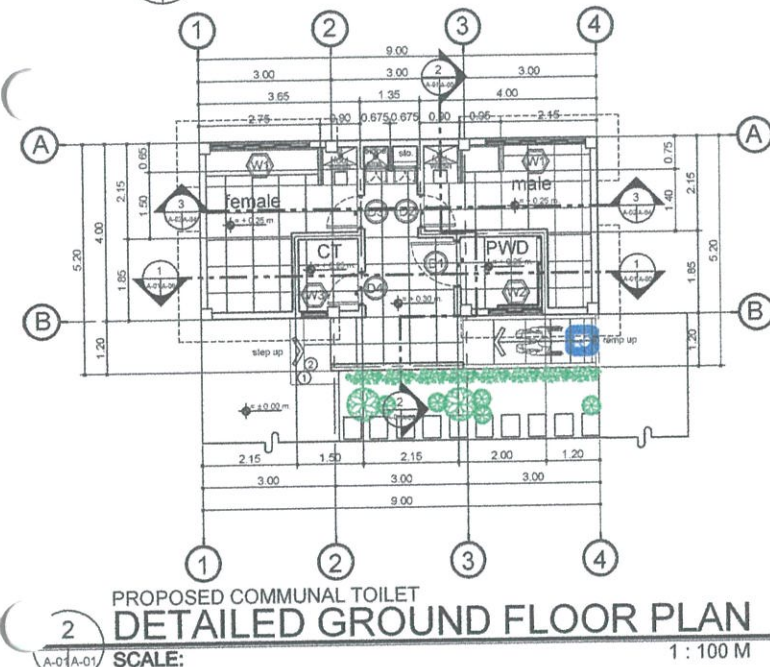
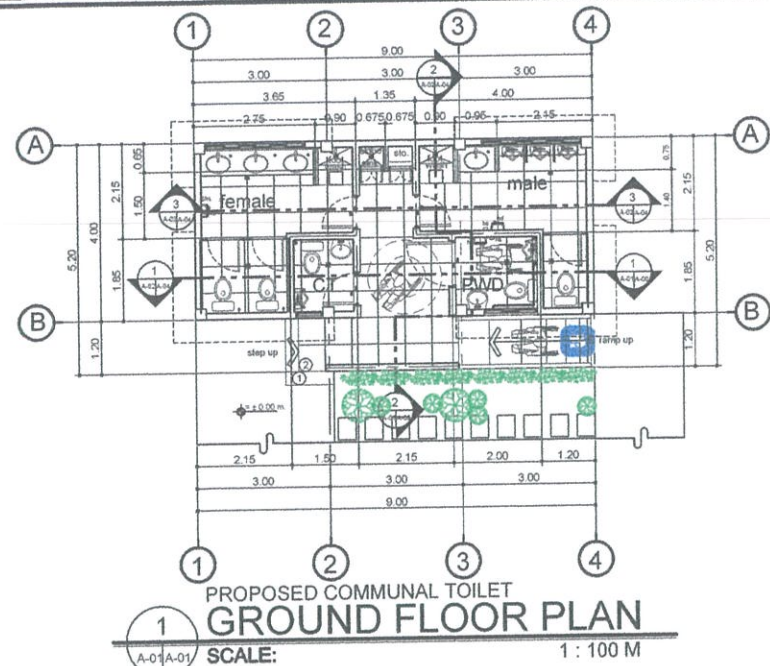


BORONGAN AIRPORT DEVELOPMENT PROJECT
LOCATION MAP
SCALE: NTS



COMPLETION OF VEHICULAR PARKING AREA
PROPOSED VEHICULAR PARKING AREA
SCALE: NTS

LEGEND	
	CARABAO GRASS
	GALPHIMIA GLAUCA
	CARMONA RETUSA ROUND
	ROSALIA
	MICHAELIA CHAMPACA (ORANGE CHAMPACA)



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NOTES/REVISIONS:

PROJECT:
BORONGAN AIRPORT
DEVELOPMENT PROJECT
CONSTRUCTION OF COMMUNAL TOILET

LOCATION:
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:
GROUND FLOOR PLAN
DETAILED GROUND FLOOR PLAN
FRONT & REAR ELEVATION
LEFT-SIDE & RIGHT-SIDE ELEVATION
CROSS SECTION THRU 1-1, 3-3
LONGITUDINAL SECTION THRU 2-2
DETAILED FRONT & REAR ELEVATION
DETAILED LEFT-SIDE ELEVATION

DRAWING SCALE:	SHEET NO:
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



LOCATION:

BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

SCHEDULE OF DOORS
SCHEDULE OF WINDOWS

DRAWING SCALE:	SHEET NO:
AS SHOWN	A 03

	SINGLE-LEAF SWING OUT HOLLOW CORE DOOR PAINTED w/ ENAMEL QUICK DRY ENAMEL PAINT & KICK PLATE (800mmX300mm) INCLUDING HINGES, LOCKSET, HANDLE BAR and KICK PLATE (COLOR OF DOOR; VERIFY TO ARCHITECT)		SINGLE-LEAF SWING IN HOLLOW CORE DOOR PAINTED w/ ENAMEL QUICK DRY ENAMEL PAINT & KICK PLATE (550mmX300mm) INCLUDING HINGES, LOCKSET, HANDLE BAR and KICK PLATE (COLOR OF DOOR; VERIFY TO ARCHITECT)		SINGLE-LEAF SWING IN HOLLOW CORE DOOR PAINTED w/ ENAMEL QUICK DRY ENAMEL PAINT & KICK PLATE (550mmX300mm) INCLUDING HINGES, LOCKSET, HANDLE BAR and KICK PLATE (COLOR OF DOOR; VERIFY TO ARCHITECT)		SINGLE-LEAF SWING IN HOLLOW CORE DOOR PAINTED w/ ENAMEL QUICK DRY ENAMEL PAINT & KICK PLATE (550mmX300mm) INCLUDING HINGES, LOCKSET, HANDLE BAR and KICK PLATE (COLOR OF DOOR; VERIFY TO ARCHITECT)
DIMENSION	1200mm X 2150mm	DIMENSION	850mm X 2150mm	DIMENSION	850mm X 2150mm	DIMENSION	850mm X 2150mm
HARDWARES	HINGES, LOCKSET, HANDLE BAR, DOOR STOPPER AND KICK PLATE	HARDWARES	HINGES, LOCKSET, HANDLE BAR, DOOR STOPPER AND KICK PLATE	HARDWARES	HINGES, LOCKSET, HANDLE BAR, DOOR STOPPER AND KICK PLATE	HARDWARES	HINGES, LOCKSET, HANDLE BAR, DOOR STOPPER AND KICK PLATE
LOCATION	PWD TOILET	LOCATION	MALE TOILET	LOCATION	FEMALE TOILET	LOCATION	COMMON TOILET
NO. OF SETS	1 SET	NO. OF SETS	1 SET	NO. OF SETS	1 SET	NO. OF SETS	1 SET
J	50mm X 150mm S4S WOOD FINISH PAINTED w/ ENAMEL QDE PAINT	J	50mm X 150mm S4S WOOD FINISH PAINTED w/ ENAMEL QDE PAINT	J	50mm X 150mm S4S WOOD FINISH PAINTED w/ ENAMEL QDE PAINT	J	50mm X 150mm S4S WOOD FINISH PAINTED w/ ENAMEL QDE PAINT
H	50mm X 150mm S4S WOOD FINISH PAINTED w/ ENAMEL QDE PAINT	H	50mm X 150mm S4S WOOD FINISH PAINTED w/ ENAMEL QDE PAINT	H	50mm X 150mm S4S WOOD FINISH PAINTED w/ ENAMEL QDE PAINT	H	50mm X 150mm S4S WOOD FINISH PAINTED w/ ENAMEL QDE PAINT

PROPOSED COMMUNAL TOILET
SCHEDULE OF DOORS
SCALE: 1 : 30 M

	SIX-BAY SLIDING GLASS WINDOW ON POWDER COATED ALUMINUM FRAME (6mm THICK ANNEALED CLEAR GLASS FOR WINDOW) (COLOR OF GLASS & FRAME; VERIFY TO ARCHITECT)		THREE-BAY SLIDING GLASS WINDOW ON POWDER COATED ALUMINUM FRAME (6mm THICK ANNEALED CLEAR GLASS FOR WINDOW) (COLOR OF GLASS & FRAME; VERIFY TO ARCHITECT)		ONE-BAY SLIDING GLASS WINDOW ON POWDER COATED ALUMINUM FRAME (6mm THICK ANNEALED CLEAR GLASS FOR WINDOW) (COLOR OF GLASS & FRAME; VERIFY TO ARCHITECT)
DIMENSION	2250mm X 600mm	DIMENSION	1200mm X 600mm	DIMENSION	600mm X 600mm
HARDWARES	COMPLETE HARDWARE & ACCESSORIES	HARDWARES	COMPLETE HARDWARE & ACCESSORIES	HARDWARES	COMPLETE HARDWARE & ACCESSORIES
LOCATION	MALE & FEMALE TOILET	LOCATION	PWD	LOCATION	COMMON TOILET (CT)
NO. OF SETS	2 SET	NO. OF SETS	1 SET	NO. OF SETS	1 SET
J	50mm x 150mm ALUMINUM FRAME	J	50mm x 150mm ALUMINUM FRAME	J	50mm x 150mm ALUMINUM FRAME
H	50mm x 150mm ALUMINUM FRAME	H	50mm x 150mm ALUMINUM FRAME	H	50mm x 150mm ALUMINUM FRAME
M		M		M	
S	1700mm CONCRETE WINDOW SILL	S	1700mm CONCRETE WINDOW SILL	S	1700mm CONCRETE WINDOW SILL

PROPOSED COMMUNAL TOILET
SCHEDULE OF WINDOWS
SCALE: 1 : 30 M

CONSTRUCTION NOTES:

STEEL:

- REINFORCING STEEL BAR:
PROVIDE THE FOLLOWING UNLESS INDICATED OTHERWISE:
A. MAIN BARS
ALL MAIN REINFORCING BARS SHALL BE DEFORMED CONFORMING TO ASTM A706.
B. YIELD STRENGTH
THE MINIMUM YIELD STRENGTH OF REINFORCEMENT TO BE USE CORRESPONDING TO THE STRUCTURAL MEMBER SHALL BE ENUMERATED BELOW:
FOOTINGS/ FOOTING TIE BEAMS Fy = 60,000 Psi
COLUMNS/ BEAMS Fy = 60,000 Psi
SLABS (ON GRADE AND SUSPENDED) Fy = 40,000 Psi
- ASTM 36 GRADE 36 (Fy = 248 KPa, 36 Ksi) FOR ROOF RAFTERS.
- STEEL TRUSS:
A. DOUBLE ANGLE SHALL BE PLACED BACK TO BACK WITH 6mm THK GUSSET PLATE AT CONNECTION.
B. SPLICE PLATE SHALL BE 10mm THK STEEL PLATE.
C. WELDED CONNECTION SHALL DEVELOP 125% OF THE STRENGTH OF MEMBERS BEING CONNECTED.
- BOLTS, NUTS, AND WASHERS:
PROVIDE THE FOLLOWING UNLESS INDICATED OTHERWISE:
A. BOLTS: ASTM A 307, GRADE A; ASTM A 325 TYPE 1 OR TYPE II.
B. NUTS: ASTM A 563, GRADE A; HEAVY HEX STYLE, EXCEPT NUTS UNDER 1-½ INCH MAYBE PROVIDED IN HEX STYLE.
C. WASHERS: ANSI B 18.22.1, TYPE B.

CONCRETE:

- X DESIGN SHALL CONFORM TO ACI 211.1 AND ACI 301. THE MINIMUM 28-DAY CYLINDER COMPRESSIVE STRENGTH SHALL BE:
F'c = 28.00 MPa (4050Psi) FOUNDATIONS, COLUMNS, BEAMS, SUSPENDED SLABS.
F'c = 24.00 MPa (3500Psi) SLAB ON FILL, GRADED SLABS.
- CEMENT
CEMENT FOR THE CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF "SPECIFICATIONS FOR PORTLAND CEMENT" (ASTM C150, LATEST EDITION).
- CONCRETE AGGREGATES
A. FINE AGGREGATE
FINE AGGREGATES SHALL CONSIST OF NATURAL PORAC SAND. FINE AGGREGATES SHALL CONSIST OF HARD, TOUGH, DURABLE, UNCOATED PARTICLES. THE STIPULATED PERCENTAGE OF FINES IN THE SAND SHALL BE OBTAINED EITHER BY THE PROCESSING OF NATURAL SAND OR BY THE PRODUCTION OF A SUITABLY GRADED MANUFACTURED SAND.
B. COARSE AGGREGATE
COARSE AGGREGATES SHALL CONSIST OF GRAVEL, CRUSHED GRAVEL OR ROCK, OR A COMBINATION OF GRAVEL AND CRUSHED GRAVEL OR ROCK, APPROVED BY THE STRUCTURAL ENGINEER. THE COARSE AGGREGATE, AS DELIVERED TO THE SITE, SHALL HAVE UNIFORM AND STABLE MOISTURE CONTENT. THE SIZES OF COARSE AGGREGATE TO BE USED IN THE VARIOUS PARTS OF THE WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING OR AS DIRECTED BY THE STRUCTURAL ENGINEER.

GENERAL USE	SIZES	
FOOTINGS	1" OR ¾"	25mm OR 19mm
R.C. BEAMS, COLUMNS, SLABS, WALLS, WALL FOOTING, LINTEL BEAMS	¾"	19mm

C. WATER
WATER USED IN MIXING CONCRETE SHALL BE CLEAN AND FREE FROM INJURIOUS AMOUNTS OF OILS, ACIDS, SALTS, ALKALIS, ORGANIC MATERIALS OR OTHER SUBSTANCES DELETERIOUS TO CONCRETE OR STEEL.
D. ADMIXTURE
ADMIXTURES TO BE USED IN CONCRETE SHALL BE SUBJECT TO PRIOR APPROVAL OF THE STRUCTURAL ENGINEER. USE DARACEM RM AND/OR PRIMEPLAST R1 SUPER PLASTICIZERS FOR ALL CONCRETE MIX. SUPER PLASTICIZERS SHALL BE ADDED ONLY AFTER THE MIX HAS COMPLIED WITH THE SLUMP REQUIREMENT OF NOT MORE THAN 50mm.

CONCRETE SLAB ON FILL:

- THE CONCRETE SLAB ON FILL SHALL BE LAID ON A PREPARED FOUNDATION CONSISTING OF A SUB GRADE AND GRANULAR FILL WITH THICKNESS EQUAL TO THE THICKNESS OF OVERLYING SLAB EXCEPT AS INDICATED OTHERWISE.
A. SUBGRADE SHALL BE ROLLED, RAMMED, AND TAMPED TO A THOROUGHLY COMPACTED FOUNDATION.

FOUNDATION:

- A. ALLOWABLE BEARING CAPACITY SHALL BE 130 KPA FOR DL + LL + EQ COMBINATION.
- B. EXCAVATION FOR FOOTINGS SHALL BE CARRIED TO A DEPTH AS SPECIFIED IN THE PLANS.

REINFORCED CONCRETE BEAM:

- A. UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIFICATIONS, CAMBER ALL R.C. BEAMS AT LEAST 6mm FOR EVERY 4.5M OF SPAN EXCEPT CANTILEVERS WHICH SHALL 18mm FOR EVERY 3M OF SPAN.
- B. IF THERE ARE TWO (2) OR MORE LAYERS OF REINFORCING BARS, USE 25mm DIAMETER SEPARATORS SPACED AT 900mm O.C.
- C. TOP BARS SPLICES SHALL BE LOCATED AT MIDSPAN AND BOTH BAR SPLICES AT COLUMN SUPPORTS.
- D. PROVIDE AT LEAST 10mm Ø STIRRUPS SPACED AT 150mm O.C. AT BEAM SUPPORTS, THE FIRST STIRRUP LOCATED 50mm FROM THE FACE OF THE COLUMN UNLESS CLOSER SPACING IS SPECIFIED IN THE STRUCTURAL PLANS.

CHB WALL:

- A. VERTICAL AND HORIZONTAL REINFORCEMENT
UNLESS OTHERWISE SPECIFIED, THE VERTICAL AND HORIZONTAL REINFORCEMENTS FOR CHB SHALL BE 10mm Ø AT 600mm FOR ALL WALL THICKNESS. LAP SLICES SHALL BE 300mm LONG (MINIMUM).
- B. DOWELS
WHERE CHB WALLS ADJOIN R.C. COLUMNS AND BEAMS, PROVIDE DOWELS ON R.C. COLUMN AND BEAMS PRIOR TO POURING TO MATCH CHB WALL REINFORCEMENT. THE DOWELS SHALL BE 12mm BARS AT 400mm O.C., UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
- C. ANCHORS
WHERE COLUMNS AND BEAMS HAVE BEEN POURED WITHOUT THE CHB WALL DOWELS, PROVIDE 16mm Ø EXPANSION BOLTS AT 400mm O.C. THESE ANCHORS SHALL BE DRILLED AND HAMMERED IN PLACE. NO CHIPPING-OFF OF CONCRETE COLUMNS AND BEAMS IS ALLOWED UNLESS OTHERWISE PERMITTED BY THE STRUCTURAL ENGINEER.

CONCRETE PROTECTION FOR REINFORCEMENT:

- A. CONCRETE COVER
THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING BARS. FOR BUNDLES, THE MINIMUM COVER SHALL EQUAL THE EQUIVALENT DIAMETER OF THE BUNDLE BUT NEED NOT BE MORE THAN 2 INCHES ON THE TABULATED MINIMUM WHICHEVER IS GRATER.

CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH
EXPOSED TO EARTH, WEATHER OR CORROSIVE SUSTANCE
20mm Ø AND LARGER
16mm Ø AND SMALLER
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND, SLABS
WALLS, AND JOINTS
25mm Ø AND SMALLER
BEAMS, GIRDERS AND COLUMNS PRINCIPAL REINFORCEMENT,
TIES STIRRUPS OR SPIRALS

STANDARD HOOK:

- A. REBARS
a. A SEMI-CIRCULAR TURN PLUS AN EXTENSION OF AT LEAST 4 DIAMETERS BUT NOT LESS THAN 62mm AT THE FREE END OF THE BAR.
b. A 90 DEGREE TURN PLUS AN EXTENSION OF AT LEAST 12 BARS DIAMETER AT THE FREE END OF THE BAR.
- B. BEND DIAMETER
MINIMUM DIAMETERS OF BEND MEASURED ON THE INSIDE OF THE BAR SHALL BE AS FOLLOWS:

10mmØ TO 25mmØ
28mmØ TO 32mmØ

WELDING:

- WELDING ELECTRODES AND RODS, CONFORMED TO AWS D1.1
A. LAP WELDED SPLICE
WHEN USED, SHALL DEVELOP A RESISTANCE EQUAL TO AT LEAST 125% OF THE TENSILE CAPACITY OF THE BAR BEING SPLICED.
B. BUTT-WELDED SPLICE
WHEN USED, SHALL BE CONSIDERED 75% EFFICIENT. THE REMAINING 50% CAPACITY TO DEVELOP 125% OF THE TENSILE CAPACITY OF THE BAR SHALL BE PROVIDED FOR BY AN ADDITIONAL WELDED LAP SPLICE CONNECTION ON THE SAME JOINT.
C. DETAILS/ REQUIREMENTS
DETAILS OF ALL WELDED SPLICES SHALL BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL BY THE STRUCTURAL ENGINEER. ONLY CERTIFIED WELDERS SHALL BE ALLOWED TO PERFORM WELDING OPERATIONS. THESE WELDERS SHALL SUBJECT TO THE APPROVAL OF THE PROJECT MANAGER.

PAINTINGS:

- SHOP PAINT STRUCTURAL STEEL, EXCEPT AS MODIFIED HEREIN. DO NOT PAINT STEEL SURFACES EMBEDDED IN CONCRETE, GALVANIZED SURFACES, OR SURFACES WITHIN ½" OF THE TOE OF THE WELDS PRIOR TO WELDING. PRIOR TO ASSEMBLY, PAINT SURFACES WHICH WILL BE CONCEALED OR INACCESSIBLE AFTER ASSEMBLY. DO NOT PAINT IN FOGGY OR RAINY WEATHER; WHEN THE AMBIENT TEMPERATURE IS BELOW 45°F OR OVER 95°F; OR WHEN PAINT MAY BE EXPOSED TO TEMPERATURES BELOW 40°F WITHIN 48 HRS AFTER APPLICATION, UNLESS APPROVED OTHERWISE.
A. CLEANING:
SSPC SP 6, EXCEPT AS MODIFIED HEREIN. SSPC SP 3 OR SP 6 FOR STEEL SURFACES EXPOSED IN SPACES ABOVE CEILINGS, ATTIC SPACES, CRAWL SPACES, FURRED SPACES, AND CHASES. IN ADDITION, MAINTAIN STEEL SURFACES FREE FROM RUST, DIRT, OIL, GREASE, AND OTHER CONTAMINANTS THROUGH FINAL ASSEMBLY.
B. PRETREATMENT:
IMMEDIATELY AFTER CLEANING, PROVIDE THE METAL SURFACES WITH ONE COAT OF MIL. SPEC. DOD-P-15328 PRETREATMENT TO A DRYFILM THICKNESS OF 0.3 TO 0.5 MIL. FED. SPEC. TT-C-490 PRETREATMENT MAY BE APPLIED TO SSPC SP 6 CLEANED SURFACES, IN ACCORDANCE WITH FED. SPEC. TT-C-490.
C. PRIMING:
IMMEDIATELY AFTER THE PRETREATMENT COATING HAS DRIED, APPLY PRIMER TO A MINIMUM DRY FILM THICKNES OF 2.0 MIL. REPAIR DAMAGED PRIMED SURFACES WITH AN ADDITIONAL COAT PRIMER.



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NOTES/REVISIONS:

PROJECT:

BORONGAN AIRPORT
DEVELOPMENT PROJECT

LOCATION:

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BORONGAN

SHEET CONTENTS:

CONSTRUCTION NOTES

DRAWING SCALE:

SHEET NO:

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CAAP.

AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	IDDD
DRAWN BY:	E.V.B (JANGZ27)
CHECKED BY:	E.JUR
REVIEWED BY:	

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DIVISION CHIEF III, IDDD - ADMS

ARNE F. BORLADO
DEPARTMENT MANAGER II, AED-ADMS

LT. COL. VALENTINO A. DIONELA, PAF (RET)
ASSISTANT DIRECTOR GENERAL II, ADMS

CAPTAIN MANUEL ANTONIO L. TAMAYO
DIRECTOR GENERAL

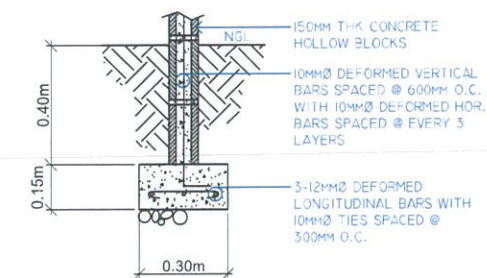
NOTES/REVISIONS:

PROJECT:
BORONGAN AIRPORT
DEVELOPMENT PROJECT
(CONSTRUCTION OF TOLLET)

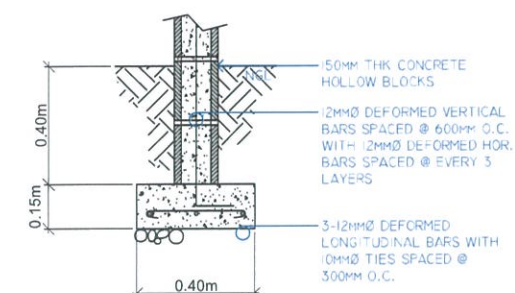
LOCATION:
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

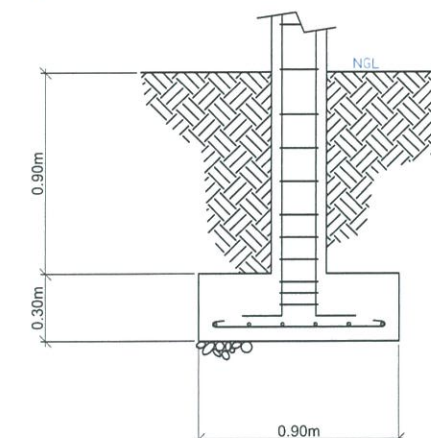
DRAWING SCALE:	SHEET NO:
AS SHOWN	S 002



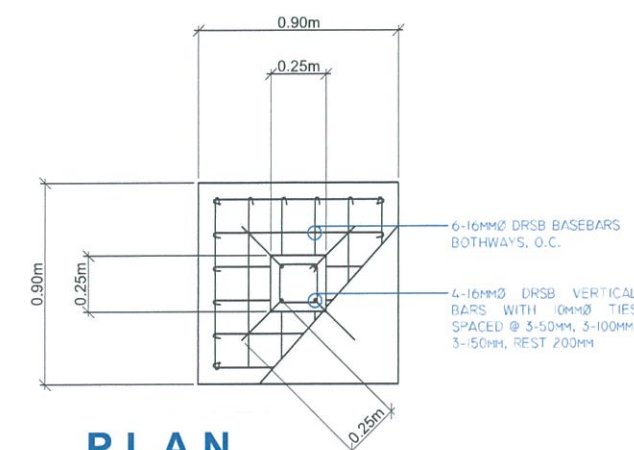
4 DETAIL OF WF2
SCALE 1:20 mts



3 DETAIL OF WF1
SCALE 1:20 mts

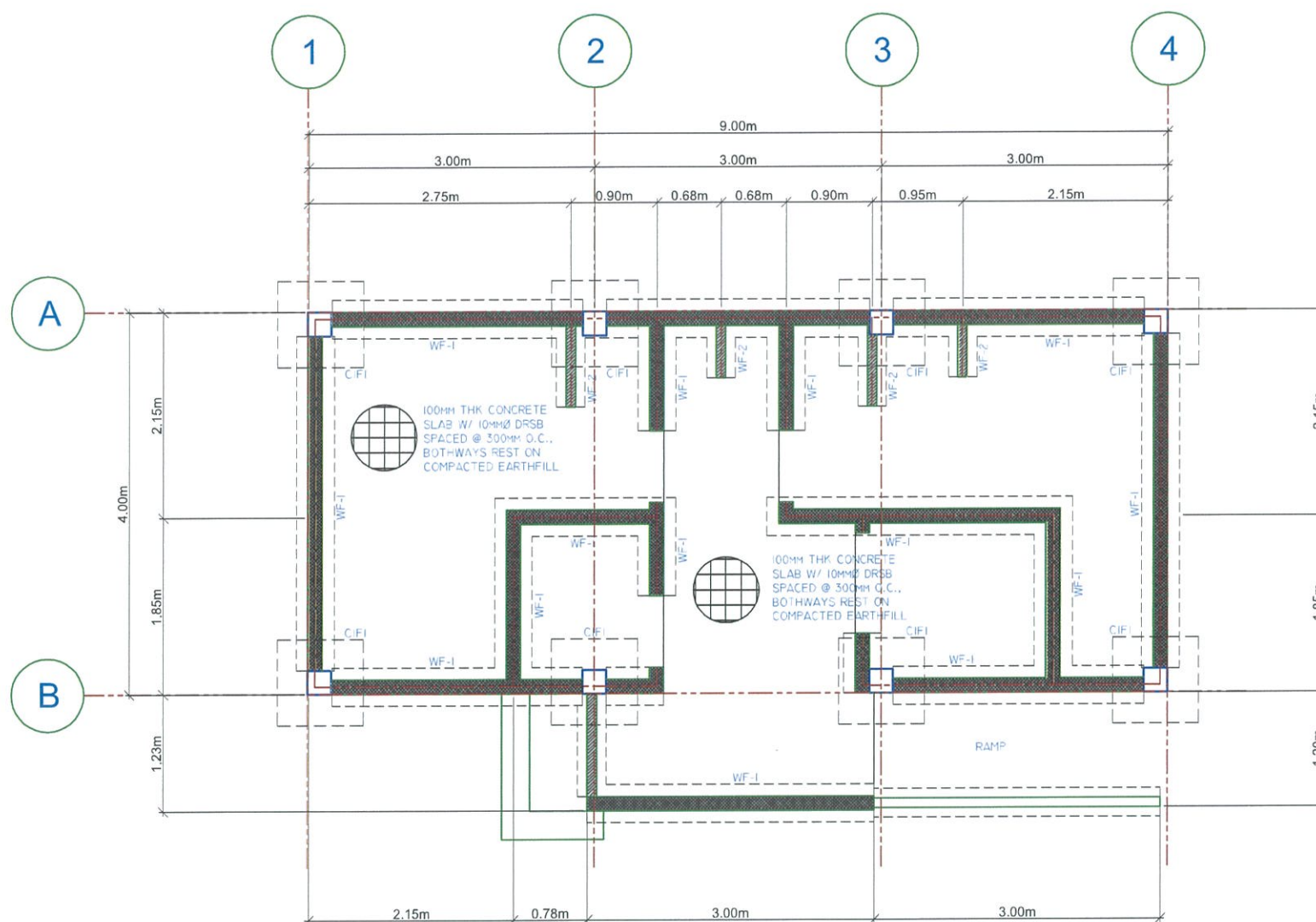


SECTION



PLAN

2 DETAIL OF CIFI
SCALE 1:20 mts



1 FOUNDATION PLAN
SCALE 1:40 mts

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	1000
DRAWN BY:	E.V.B. (JANGZ27)
CHECKED BY:	E.J.D.J.R.
REVIEWED BY:	

RAUL R. BRUCENA
DIVISION CHIEF II, DOD - ADMS

ARNEL F. BORLADO
DEPARTMENT MANAGER II, AED-ADMS

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

APPROVED:
CAPTAIN MARVIN ANTONIO L. TAMAYO
DIRECTOR GENERAL

NOTES/REVISIONS:

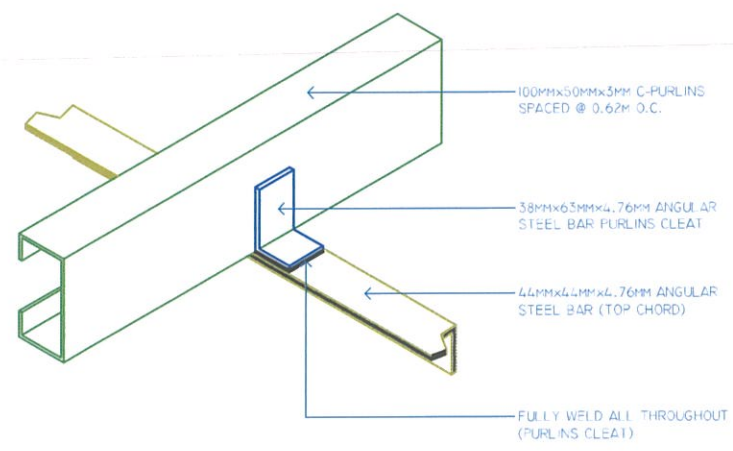
PROJECT:
BORONGAN AIRPORT DEVELOPMENT PROJECT
(CONSTRUCTION OF TOILET)

LOCATION:
BORONGAN AIRPORT
BORONGAN

SHEET CONTENTS:

DRAWING SCALE: AS SHOWN

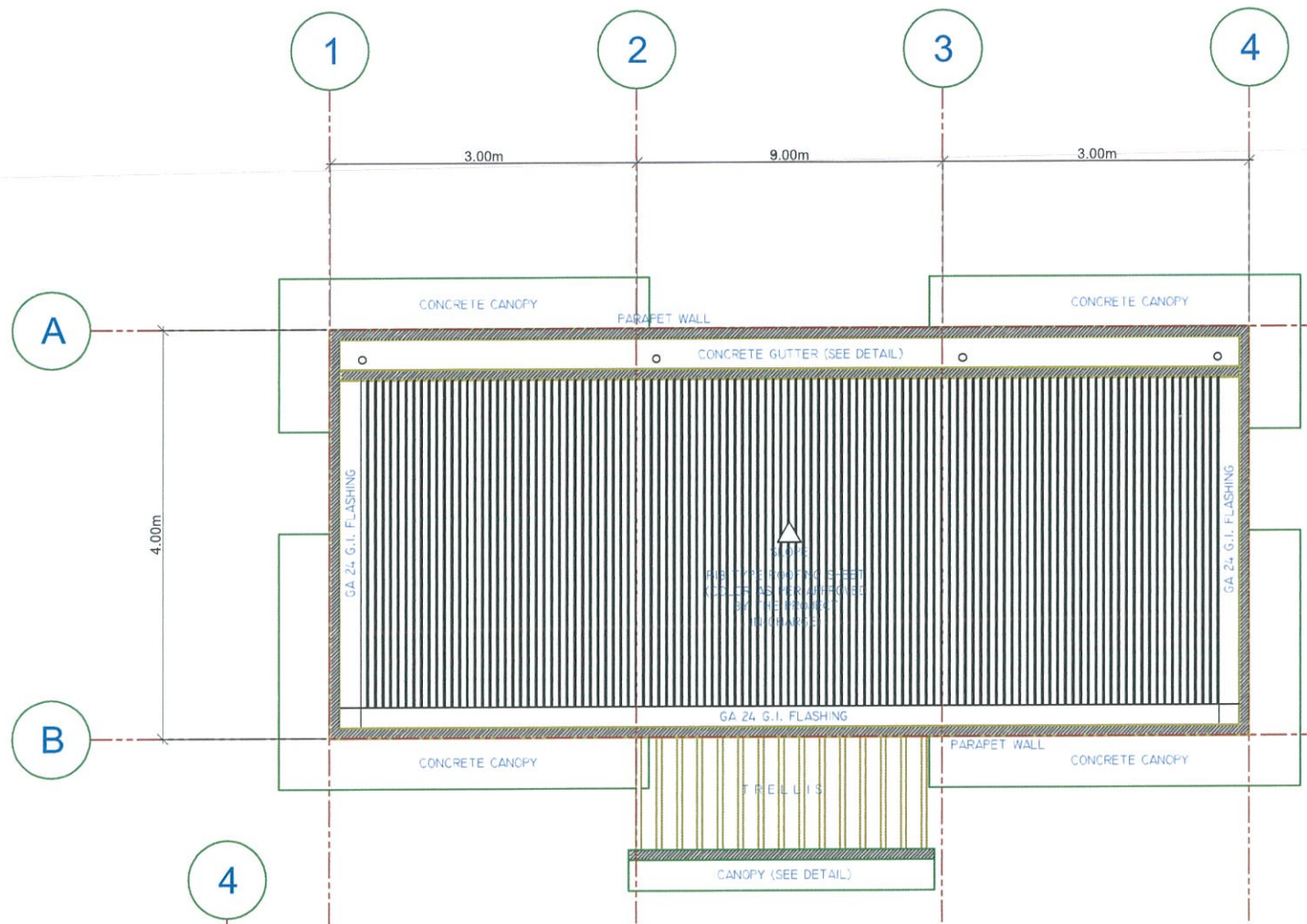
SHEET NO: S 004



ISOMETRIC DETAIL OF PURLINS CLEAT

10
S-4 S-4

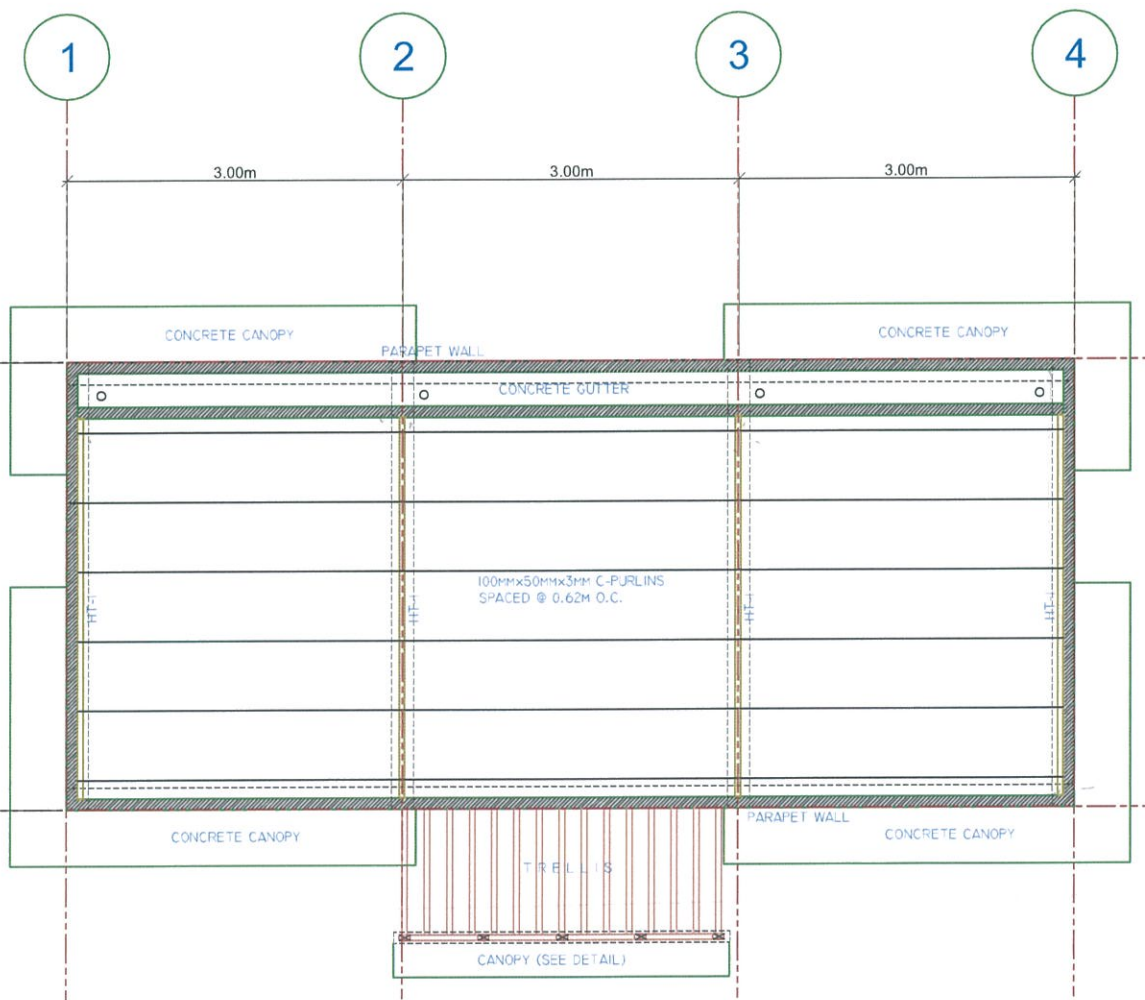
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8 ROOF PLAN

8
S-4 S-4

SCALE 1:40 mts

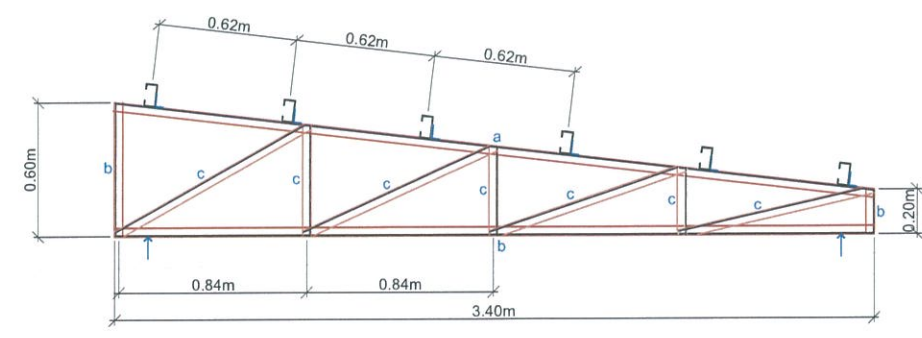


7 ROOF FRAMING PLAN

7
S-4 S-4

SCALE 1:40 mts

TYPE	MEMBER DESIGNATION	GUSSET	WELD	REMARKS
a	46mmx46mmx4.76mm ANGULAR STEEL BAR			
b	46mmx46mmx4.76mm ANGULAR STEEL BAR			
c	38mmx38mmx4.76mm ANGULAR STEEL BAR			



9 DETAIL OF HT-1

9
S-4 S-4

SCALE 1:20 mts