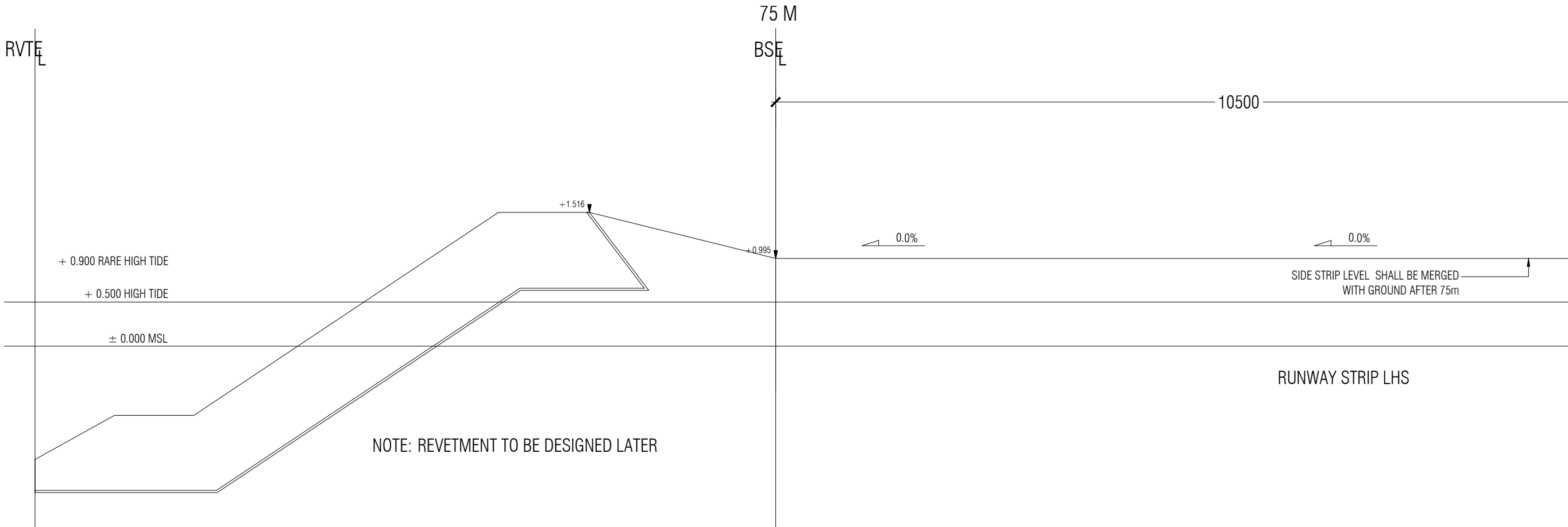


KEY CROSS-SECTION

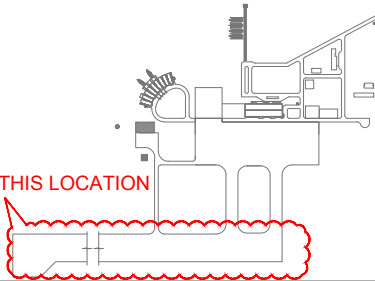


TYPICAL CROSS SECTION- 1 OF RUNWAY & STRIP (CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)

SCALE - 1:50



KEY PLAN



S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER	REV
T1713-TOS-95300-CV-DW-0001	A2

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION- 1 OF RUNWAY & STRIP
(CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM



Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 TUFF

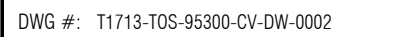
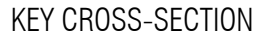
Consultant:
 HOCHTIEF
INDIA

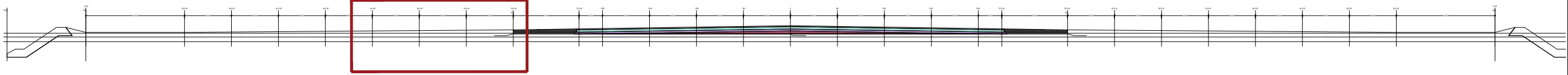
Supervision & Management Consultant:
 ARMSTRONG

Issue: AB	Date: AUG-2019	Pages: 01 of 43
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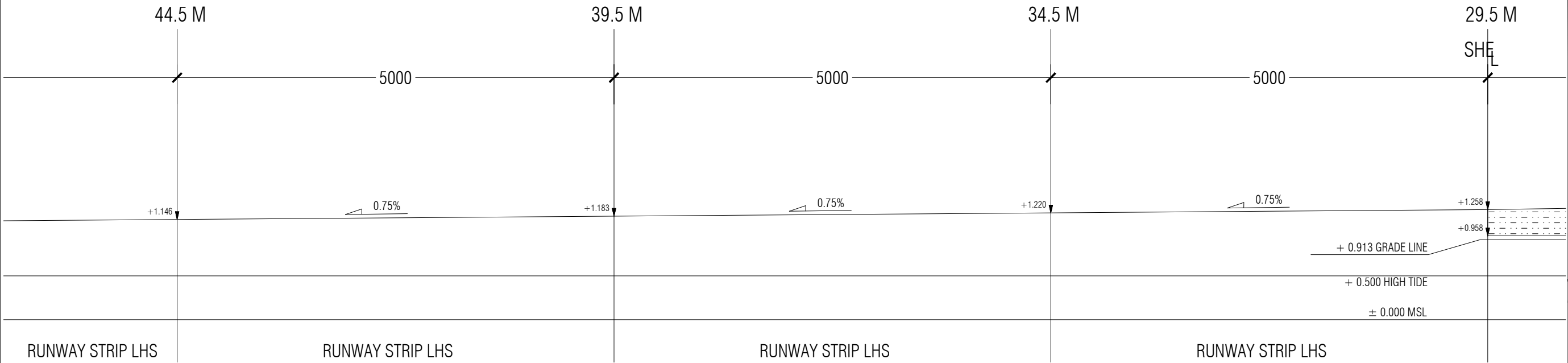
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DWG #: T1713-TOS-95300-CV-DW-0001





KEY CROSS-SECTION



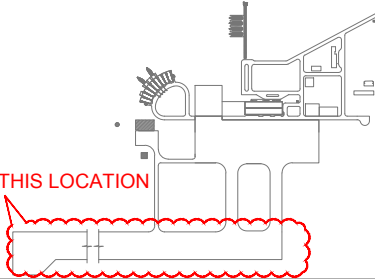
1. FILLING DONE UPTO +0.913 MSL ALL ALONG THE RUNWAY (CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)
2. FILLING IN SHOULDER AREA UPTO +0.958 MSL ALL ALONG THE SHOULDER ON BOTH SIDES IN GIVEN CHAINAGE.
3. COMPACTING IN THE SHOULDER AREA FROM +0.958 MSL UPTO TOP LVL OF THE SHOULDER IN GIVEN CHAINAGE.
4. SUBBASE FOR RUNWAY PAVEMENT STARTS FROM +0.913 MSL TO +1.250 MSL (CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)

①	<div></div>	40MM THK DENSE ASPHALT CONCRETE (TOP LAYER) 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	<div></div>	250MM THK COMPACTED AGGREGATE BASE COURSE (2 LAYERS) CBR > 80%
③	<div></div>	100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④	<div></div>	COMPACTED SUB GRADE CBR > 15%
NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	MINIMUM 100 MM SHALL BE PROVIDED TO BOTH SIDES OF 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	BASE COURSE	MINIMUM 300 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 500 MM SHALL BE PROVIDED TO BOTH SIDES

TYPICAL CROSS SECTION - 3 OF RUNWAY & STRIP(CH 70 ~2200 RHS & LHS,
CH 00 ~70 LHS)
SCALE - 1:50



KEY PLAN



S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-95300-CV-DW-0003

REV
A2

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION - 3 OF RUNWAY & STRIP
(CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 **TUFF**

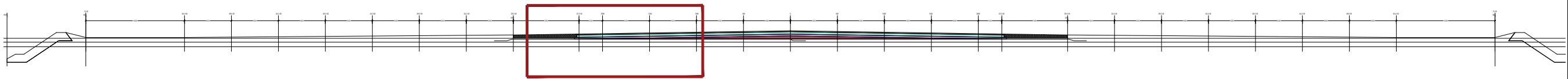
Consultant:
 **HOCHTIEF**
INDIA

Supervision & Management Consultant:
 **ARMSTRONG**

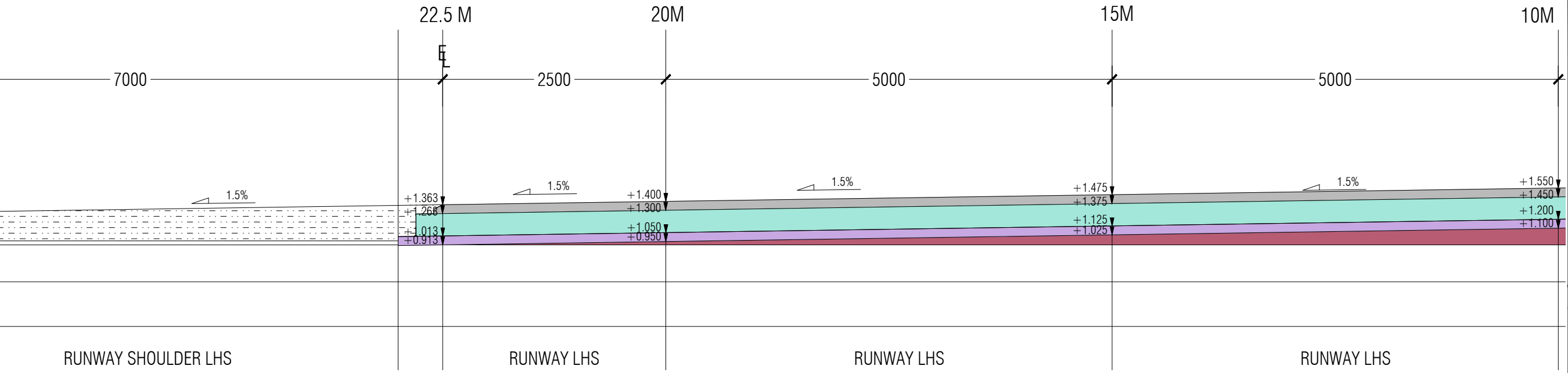
Issue: AB Date: AUG-2019 Pages: 03 of 43

Scale: 1:50 Paper: A3

DWG #: T1713-TOS-95300-CV-DW-0003



KEY CROSS-SECTION



- 1. FILLING SHOULD BE DONE UPTO +0.913 MSL ALL ALONG THE RUNWAY (CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)
- 2. FILLING IN SHOULDER AREA UPTO +0.958 MSL ALL ALONG THE SHOULDER ON BOTH SIDES IN GIVEN CHAINAGE.
- 3. COMPACTING IN THE SHOULDER AREA FROM +0.958 MSL UPTO TOP LVL OF THE SHOULDER IN GIVEN CHAINAGE.
- 4. SUBBASE FOR RUNWAY PAVEMENT STARTS FROM +0.913 MSL TO +1.250 MSL (CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)

①	<div></div>	40MM THK DENSE ASPHALT CONCRETE (TOP LAYER) 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	<div></div>	250MM THK COMPACTED AGGREGATE BASE COURSE (2 LAYERS) CBR > 80%
③	<div></div>	100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④	<div></div>	COMPACTED SUB GRADE CBR > 15%

NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	MINIMUM 100 MM SHALL BE PROVIDED TO BOTH SIDES OF 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	BASE COURSE	MINIMUM 300 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 500 MM SHALL BE PROVIDED TO BOTH SIDES

TYPICAL CROSS SECTION - 3 OF RUNWAY & STRIP(CH 70 ~2200 RHS & LHS,
CH 00 ~70 LHS)
SCALE - 1:50

01m2m3m5m

KEY PLAN

THIS LOCATION

S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER	REV
T1713-TOS-95300-CV-DW-0004	A2

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS

☒ APPROVED☐ REJECTED

N. MAAFARU AIRPORT

GENERAL CROSS SECTIONS

Drawing Title:

TYPICAL CROSS SECTION - 3 OF RUNWAY & STRIP
(CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)

Employer:

REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:

TUFF

Consultant:

HOCHTIEF
INDIA

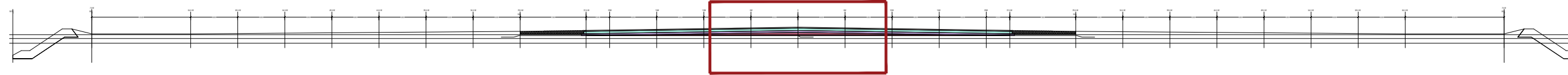
Supervision & Management Consultant:

ARMSTRONG

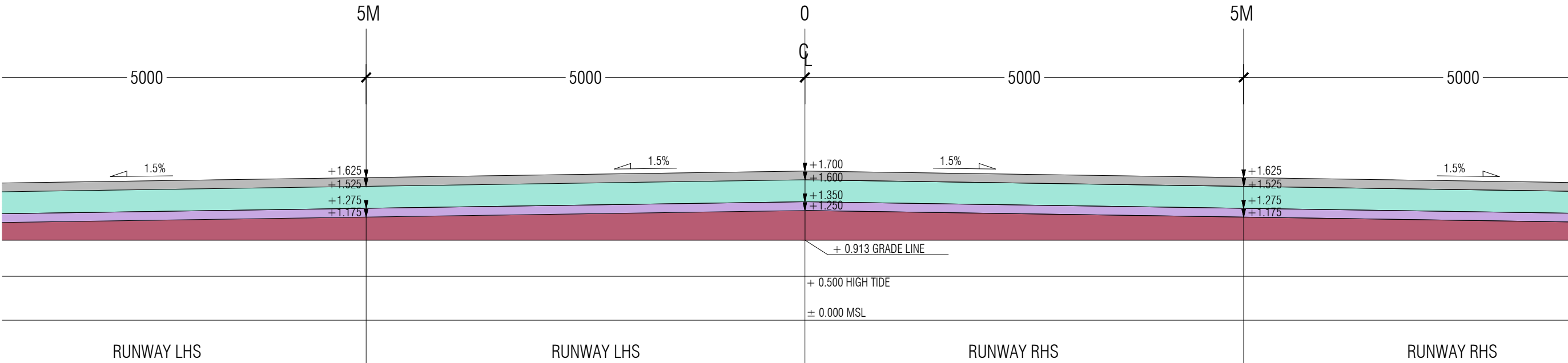
Issue: AB	Date: AUG-2019	Pages: 04 of 43
Scale: 1:50		Paper: A3

DWG #:





T1713-TOS-95300-CV-DW-0004



KEY CROSS-SECTION



1. FILLING SHOULD BE DONE UPTO +0.913 MSL ALL ALONG THE RUNWAY (CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)
2. FILLING IN SHOULDER AREA UPTO +0.958 MSL ALL ALONG THE SHOULDER ON BOTH SIDES IN GIVEN CHAINAGE.
3. COMPACTING IN THE SHOULDER AREA FROM +0.958 MSL UPTO TOP LVL OF THE SHOULDER IN GIVEN CHAINAGE.
4. SUBBASE FOR RUNWAY PAVEMENT STARTS FROM +0.913 MSL TO +1.250 MSL (CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)

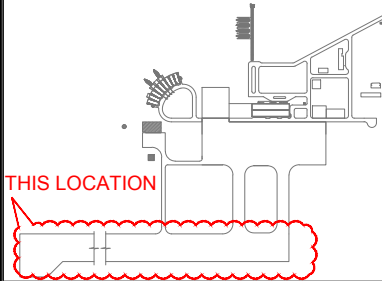
①		40MM THK DENSE ASPHALT CONCRETE (TOP LAYER) 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②		250MM THK COMPACTED AGGREGATE BASE COURSE (2 LAYERS) CBR > 80%
③		100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④		COMPACTED SUB GRADE CBR > 15%
NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	MINIMUM 100 MM SHALL BE PROVIDED TO BOTH SIDES OF 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	BASE COURSE	MINIMUM 300 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 500 MM SHALL BE PROVIDED TO BOTH SIDES

TYPICAL CROSS SECTION - 3 OF RUNWAY & STRIP(CH 70 ~2200 RHS & LHS,
CH 00 ~70 LHS)

SCALE - 1:50



KEY PLAN



24-08-2019
S. ANADARAJ
CONSULTANT SIGNATURE
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES
DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-95300-CV-DW-0005
REV
A2

AS-BUILT
Description
Date
AS-BUILT
24/08/2019

DRAWING STATUS
APPROVED
REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION - 3 OF RUNWAY & STRIP(CH 70
~2200 RHS & LHS, CH 00 ~70 LHS)

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 TUFF

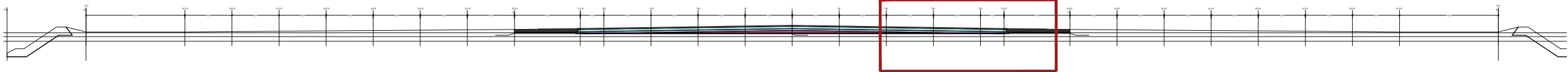
Consultant:
 HOCHTIEF
INDIA

Supervision & Management Consultant:
 ARMSTRONG

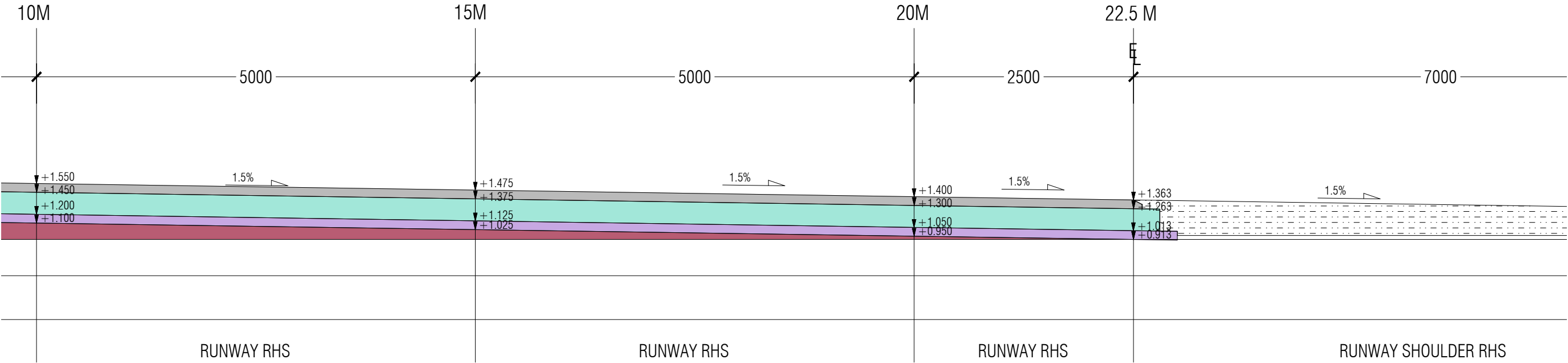
Issue: AB Date: AUG-2019 Pages: 05 of 43

Scale: 1:50 Paper: A3

DWG #: T1713-TOS-95300-CV-DW-0005



KEY CROSS-SECTION



1. FILLING SHOULD BE DONE UPTO +0.913 MSL ALL ALONG THE RUNWAY (CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)
2. FILLING IN SHOULDER AREA UPTO +0.958 MSL ALL ALONG THE SHOULDER ON BOTH SIDES IN GIVEN CHAINAGE.
3. COMPACTING IN THE SHOULDER AREA FROM +0.958 MSL UPTO TOP LVL OF THE SHOULDER IN GIVEN CHAINAGE.
4. SUBBASE FOR RUNWAY PAVEMENT STARTS FROM +0.913 MSL TO +1.250 MSL (CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)

①	<div></div>	40MM THK DENSE ASPHALT CONCRETE (TOP LAYER) 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	<div></div>	250MM THK COMPACTED AGGREGATE BASE COURSE (2 LAYERS) CBR > 80%
③	<div></div>	100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④	<div></div>	COMPACTED SUB GRADE CBR > 15%

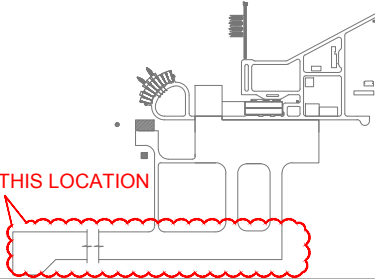
NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	MINIMUM 100 MM SHALL BE PROVIDED TO BOTH SIDES OF 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	BASE COURSE	MINIMUM 300 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 500 MM SHALL BE PROVIDED TO BOTH SIDES

TYPICAL CROSS SECTION - 3 OF RUNWAY & STRIP(CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)

SCALE - 1:50



KEY PLAN



S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER	REV
T1713-TOS-95300-CV-DW-0006	A2

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT
GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION - 3 OF RUNWAY & STRIP
(CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 TUFF

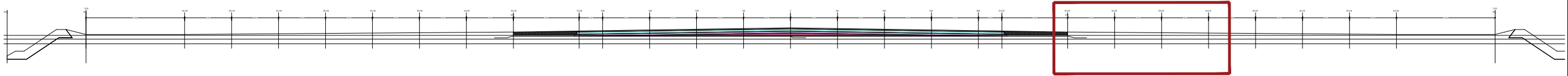
Consultant:
 HOCHTIEF
INDIA

Supervision & Management Consultant:
 ARMSTRONG

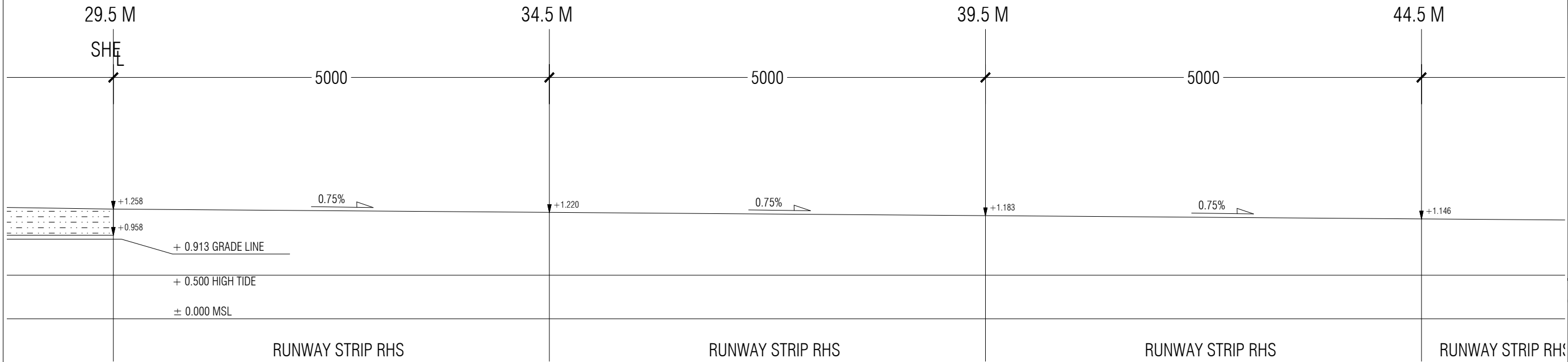
Issue: AB Date: AUG-2019 Pages: 06 of 43

Scale: 1:50 Paper: A3

DWG #: T1713-TOS-95300-CV-DW-0006



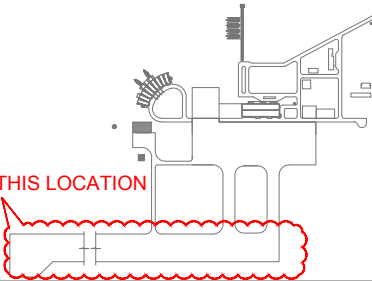
KEY CROSS-SECTION



TYPICAL CROSS SECTION - 3 OF RUNWAY & STRIP(CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)
SCALE - 1:50



KEY PLAN



S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER	REV
T1713-TOS-95300-CV-DW-0007	A2

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION - 3 OF RUNWAY & STRIP
(CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM



Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:

TUFF

Consultant:

HOCHTIEF
INDIA

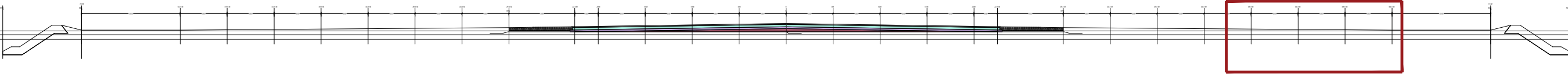
Supervision & Management Consultant:

ARMSTRONG

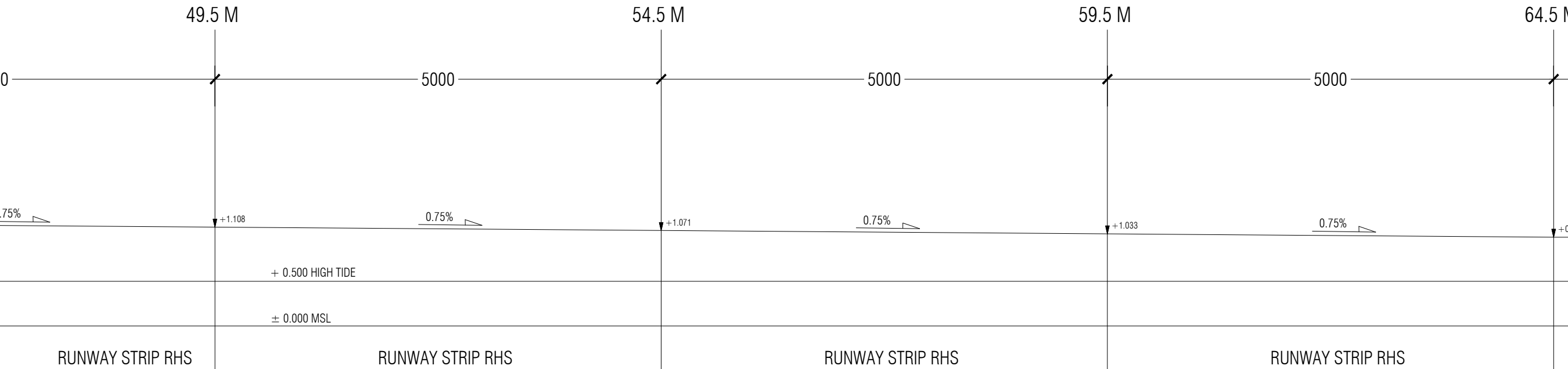
Issue: AB Date: AUG-2019 Pages: 07 of 43

Scale: 1:50 Paper: A3

DWG #: T1713-TOS-95300-CV-DW-0007



KEY CROSS-SECTION



TYPICAL CROSS SECTION - 3 OF RUNWAY & STRIP(CH 70 ~2200 RHS & LHS,
CH 00 ~70 LHS)
SCALE - 1:50



KEY PLAN

THIS LOCATION

S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-95300-CV-DW-0008

REV
A2

AS-BUILT

DescriptionDate

AS-BUILT24/08/2019

DRAWING STATUS

APPROVED

REJECTED

N. MAAFARU AIRPORT
GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION - 3 OF RUNWAY & STRIP
(CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:

TUFF

Consultant:

HOCHTIEF
INDIA

Supervision & Management Consultant:

ARMSTRONG

Issue: AB

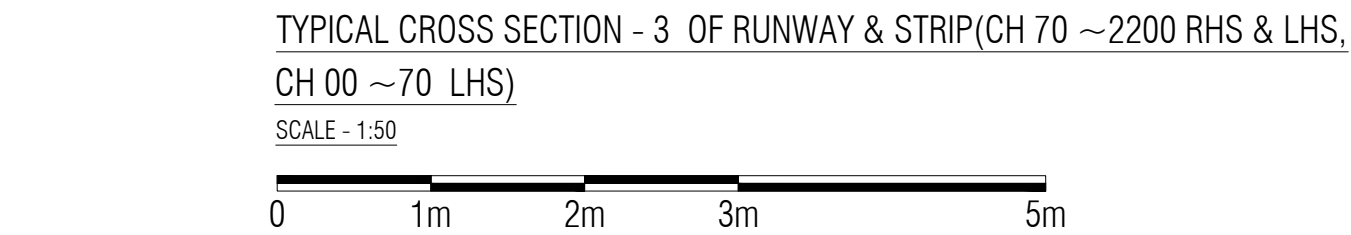
Date: AUG-2019

Pages: 08 of 43

Scale: 1:50

Paper: A3

DWG #: T1713-TOS-95300-CV-DW-0008



AS-BUILT	
Description	Date
AS-BUILT	24/08/20

N. MAAFARU AIRPORT

GENERAL CROSS SECTIONS

Drawing Title:

TYPICAL CROSS SECTION - 3 OF RUNWAY & STRIP
(CH 70 ~2200 RHS & LHS, CH 00 ~70 LHS)

Employer:

REGIONAL AIRPORTS
MINISTRY OF TOURISM



Funder:



مستودع أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:

 **TUFF**

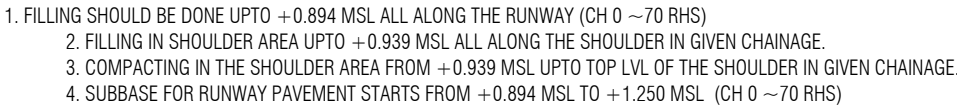
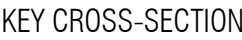
Consultant:

 **HOCHTIEF**
INDIA

Supervision & Management Consultant:

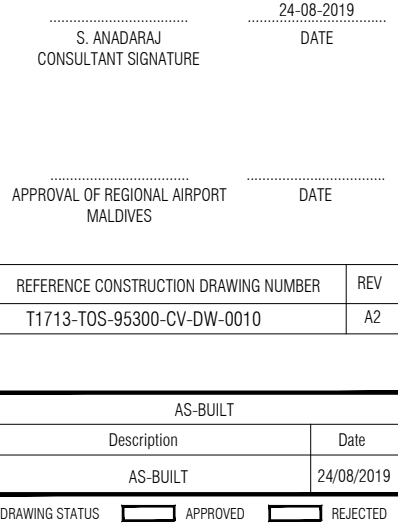
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DWG #: T1713-TOS-95300-CV-DW-0009



KEY PLAN

SCALE - 1:50



N. MAAFARU AIRPORT

GENERAL CROSS SECTIONS

Drawing Title:

TYPICAL CROSS SECTION -1 OF RUNWAY,
TURNING PAD 06 END & STRIP (CH 0 ~70 RHS)

Employer:

REGIONAL AIRPORTS
MINISTRY OF TOURISM



Funder:



صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:

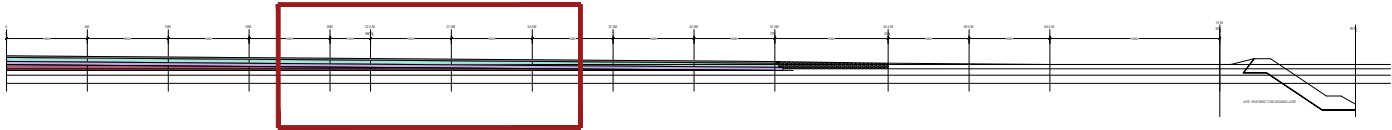
 **TUFF**

Consultant:  HOCHTIEF
INDIA

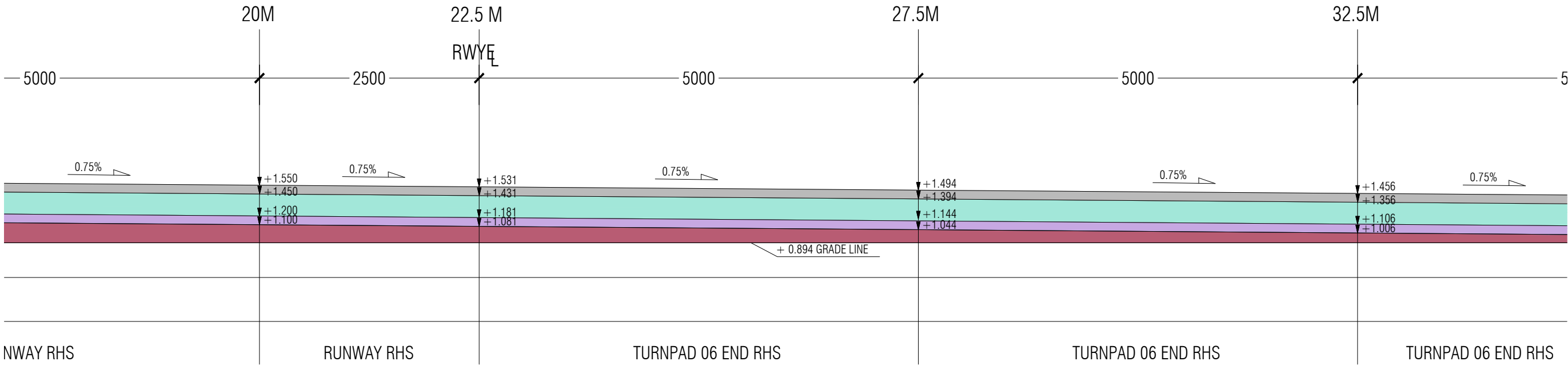
Supervision & Management Consultant:

 **ARMSTRONG.**

Issue: AB	Date: AUG-2019	Pages: 10 of 43
Scale: 1:50		Paper: A3
DWG #: T1713-TOS-95300-CV-DW-0010		

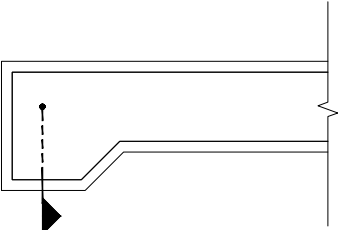


KEY CROSS-SECTION



1. FILLING SHOULD BE DONE UPTO +0.894 MSL ALL ALONG THE RUNWAY (CH 0 ~70 RHS)
2. FILLING IN SHOULDER AREA UPTO +0.939 MSL ALL ALONG THE SHOULDER IN GIVEN CHAINAGE.
3. COMPACTING IN THE SHOULDER AREA FROM +0.939 MSL UPTO TOP LVL OF THE SHOULDER IN GIVEN CHAINAGE.
4. SUBBASE FOR RUNWAY PAVEMENT STARTS FROM +0.894 MSL TO +1.250 MSL (CH 0 ~70 RHS)

①	<div></div>	40MM THK DENSE ASPHALT CONCRETE (TOP LAYER) 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	<div></div>	250MM THK COMPACTED AGGREGATE BASE COURSE (2 LAYERS) CBR > 80%
③	<div></div>	100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④	<div></div>	COMPACTED SUB GRADE CBR > 15%
NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	MINIMUM 100 MM SHALL BE PROVIDED TO BOTH SIDES OF 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	BASE COURSE	MINIMUM 300 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 500 MM SHALL BE PROVIDED TO BOTH SIDES



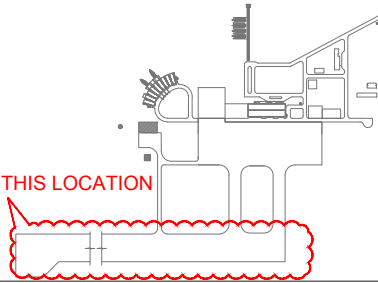
KEY PLAN

TYPICAL CROSS SECTION -1 OF RUNWAY, TURNING PAD 06 END & STRIP
(CH 0 ~70 RHS)

SCALE - 1:50



KEY PLAN



S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-95300-CV-DW-0011

REV
A2

AS-BUILT

Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION -1 OF RUNWAY, TURNING PAD 06
END & STRIP (CH 0 ~70 RHS)

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 **TUFF**

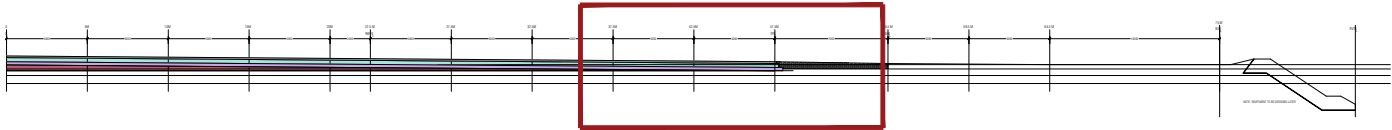
Consultant:
 **HOCHTIEF**
INDIA

Supervision & Management Consultant:
 **ARMSTRONG**

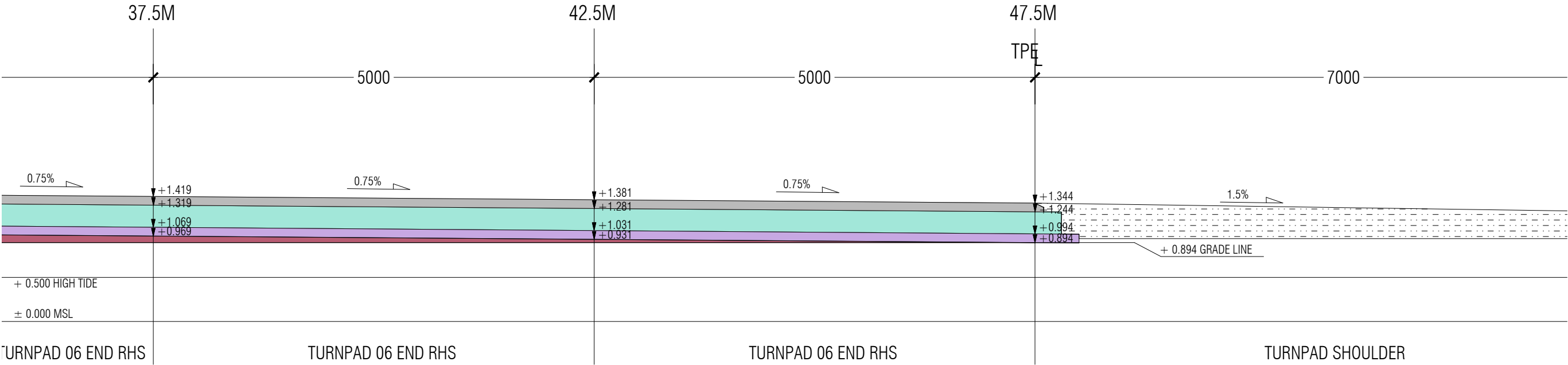
Issue: AB Date: AUG-2019 Pages: 11 of 43

Scale: 1:50 Paper: A3

DWG #: T1713-TOS-95300-CV-DW-0011



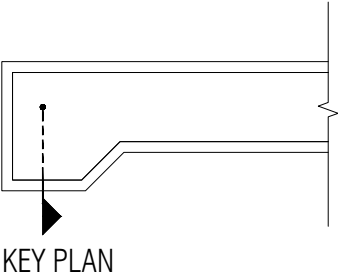
KEY CROSS-SECTION



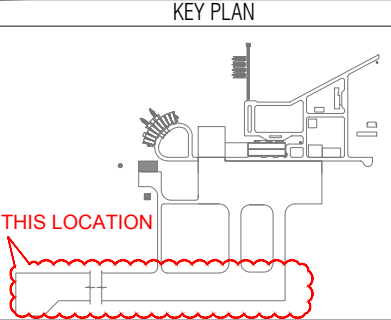
1. FILLING SHOULD BE DONE UPTO +0.894 MSL ALL ALONG THE RUNWAY (CH 0 ~70 RHS)
2. FILLING IN SHOULDER AREA UPTO +0.939 MSL ALL ALONG THE SHOULDER IN GIVEN CHAINAGE.
3. COMPACTING IN THE SHOULDER AREA FROM +0.939 MSL UPTO TOP LVL OF THE SHOULDER IN GIVEN CHAINAGE.
4. SUBBASE FOR RUNWAY PAVEMENT STARTS FROM +0.894 MSL TO +1.250 MSL (CH 0 ~70 RHS)

①	40MM THK DENSE ASPHALT CONCRETE (TOP LAYER) 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	250MM THK COMPACTED AGGREGATE BASE COURSE (2 LAYERS) CBR > 80%
③	100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④	COMPACTED SUB GRADE CBR > 15%

NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	MINIMUM 100 MM SHALL BE PROVIDED TO BOTH SIDES OF 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	BASE COURSE	MINIMUM 300 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 500 MM SHALL BE PROVIDED TO BOTH SIDES



TYPICAL CROSS SECTION -1 OF RUNWAY, TURNING PAD 06 END & STRIP
(CH 0 ~70 RHS)
SCALE - 1:50



S. ANADARAJ CONSULTANT SIGNATURE	24-08-2019 DATE
APPROVAL OF REGIONAL AIRPORT MALDIVES	DATE
REFERENCE CONSTRUCTION DRAWING NUMBER T1713-TOS-95300-CV-DW-0012	REV A2
AS-BUILT	
Description	Date
AS-BUILT	24/08/2019
DRAWING STATUS	APPROVED REJECTED

N. MAAFARU AIRPORT
GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION -1 OF RUNWAY, TURNING PAD 06
END & STRIP (CH 0 ~70 RHS)

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

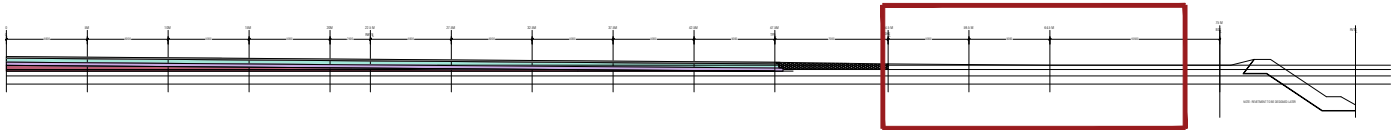
Funder:
سندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
TUFF

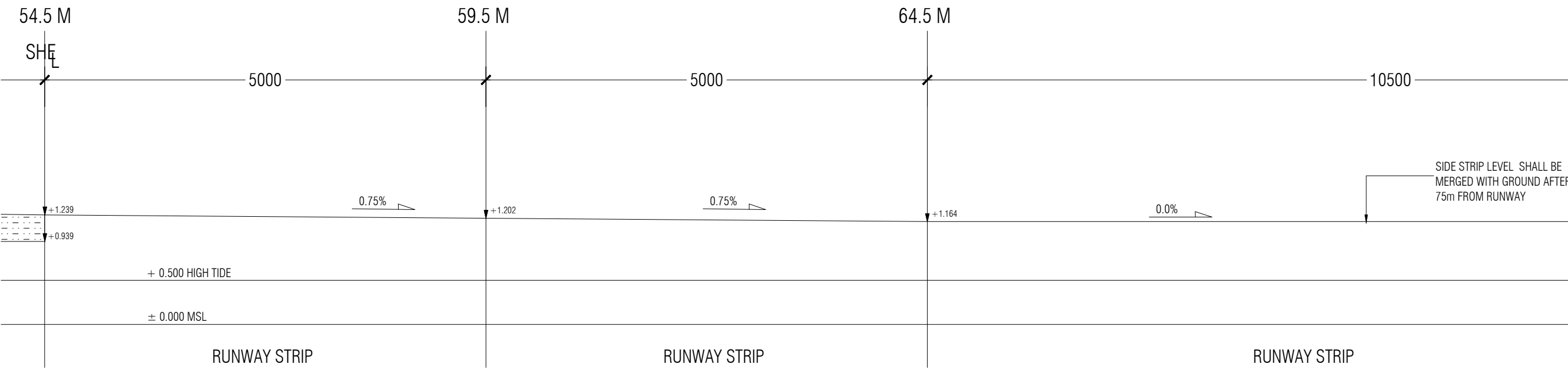
Consultant:
HOCHTIEF
INDIA

Supervision & Management Consultant:
ARMSTRONG

Issue: AB	Date: AUG-2019	Pages: 12 of 43
Scale: 1:50		Paper: A3
DWG #: T1713-TOS-95300-CV-DW-0012		



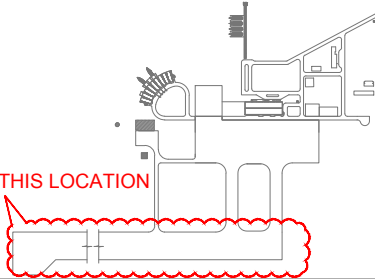
KEY CROSS-SECTION



TYPICAL CROSS SECTION -1 OF RUNWAY, TURNING PAD 06 END & STRIP
(CH 0 ~70 RHS)
SCALE - 1:50



KEY PLAN



S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER	REV
T1713-TOS-95300-CV-DW-0013	A2

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT
GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION -1 OF RUNWAY, TURNING PAD 06
END & STRIP (CH 0 ~70 RHS)

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM



Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 **TUFF**

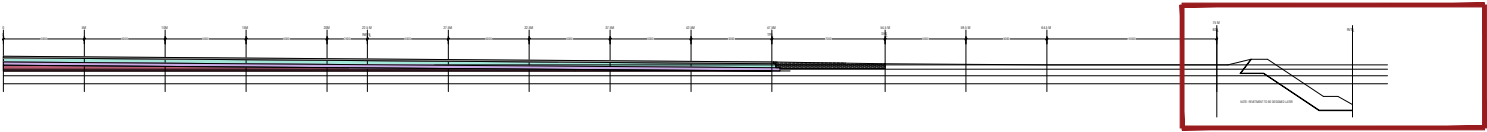
Consultant:


Supervision & Management Consultant:

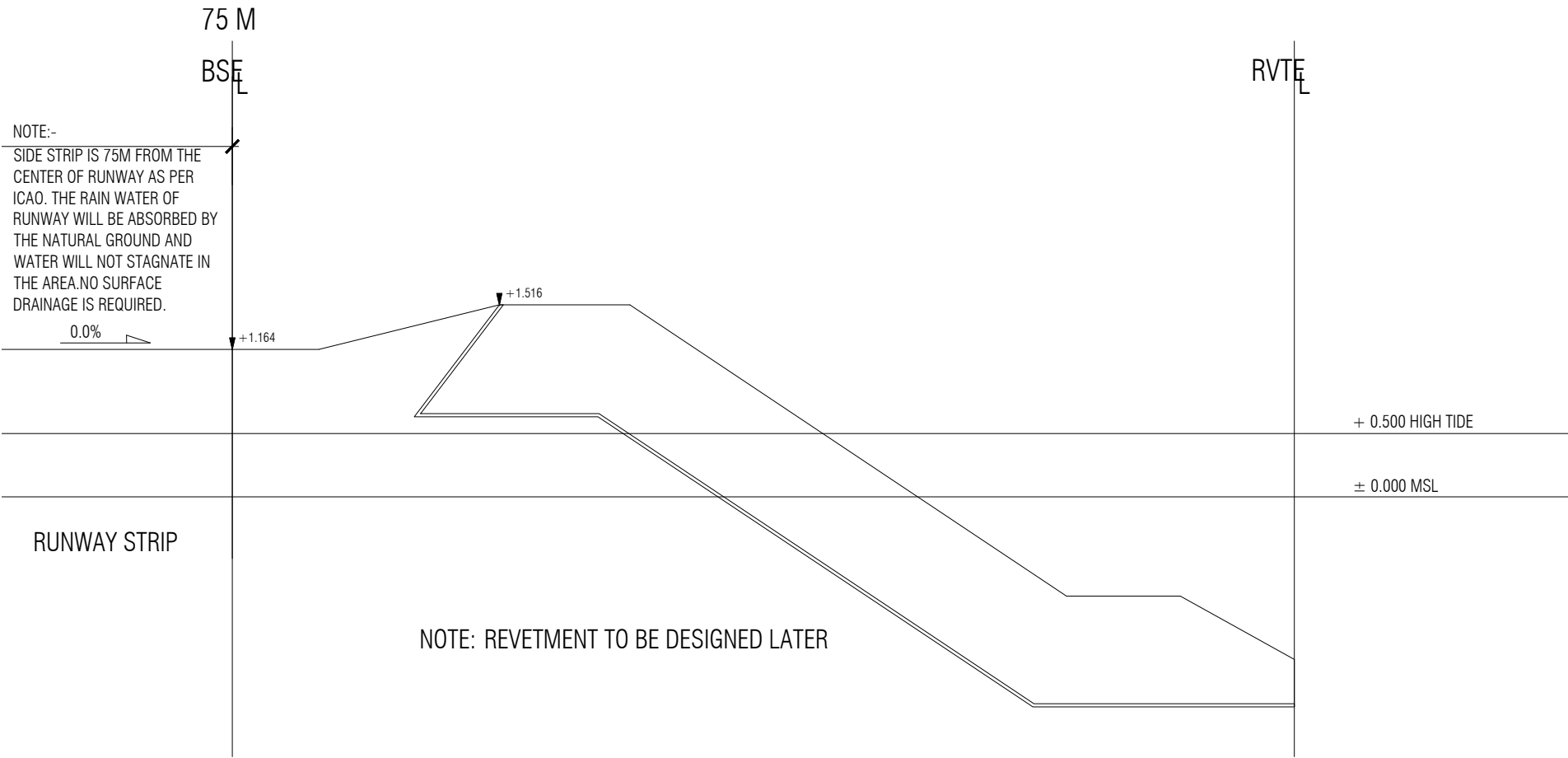

Issue: AB Date: AUG-2019 Pages: 13 of 43

Scale: 1:50 Paper: A3

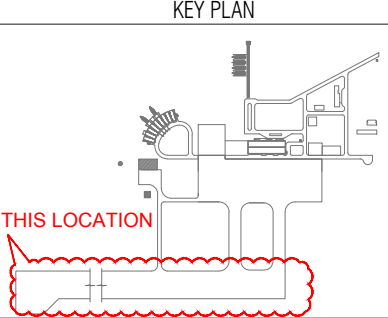
DWG #: T1713-TOS-95300-CV-DW-0013



KEY CROSS-SECTION



TYPICAL CROSS SECTION -1 OF RUNWAY, TURNING PAD 06 END & STRIP
(CH 0 ~70 RHS)
SCALE - 1:50



S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER	REV
T1713-TOS-95300-CV-DW-0014	A2

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION -1 OF RUNWAY, TURNING PAD 06
END & STRIP (CH 0 ~70 RHS)

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM



Funder:

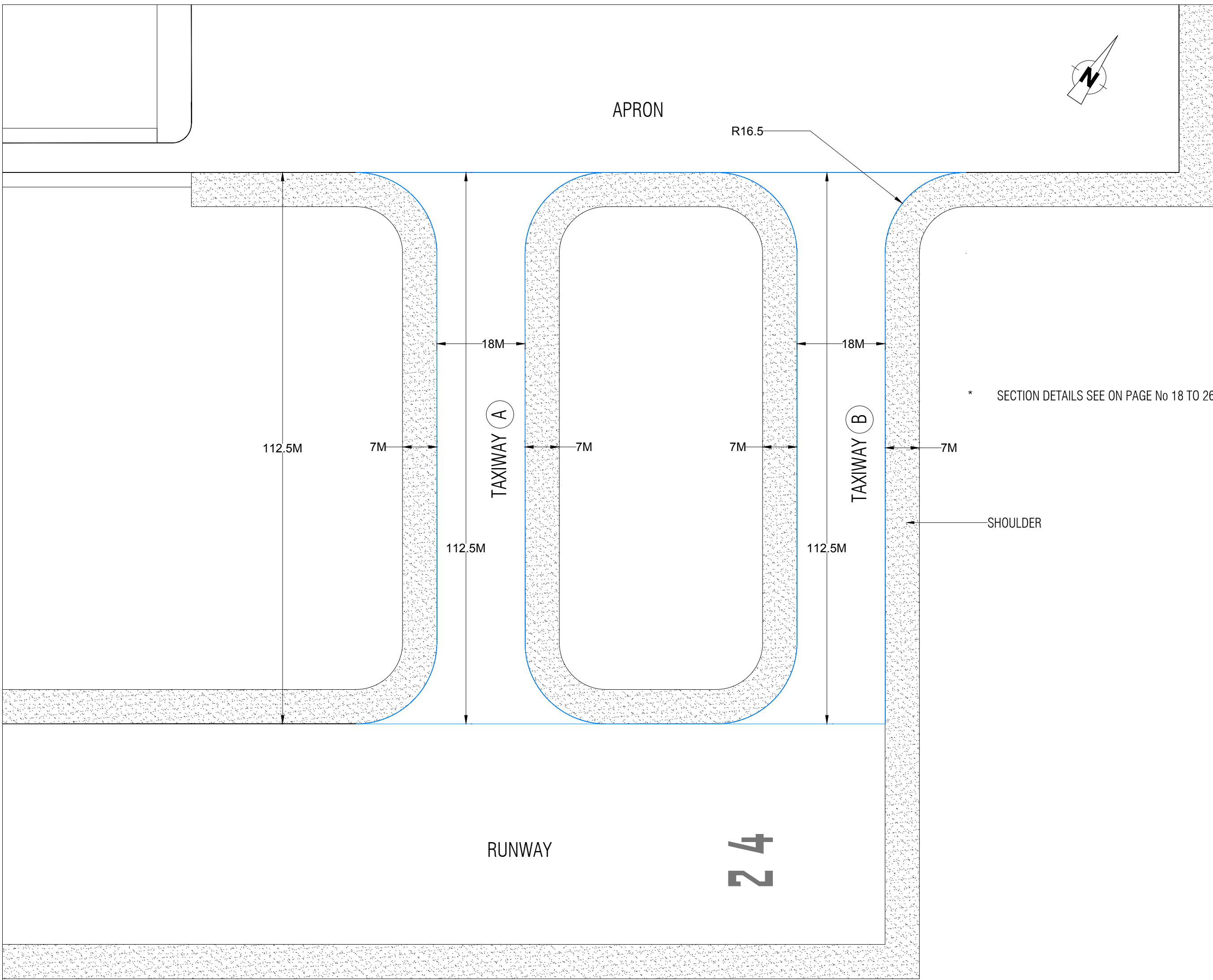
صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 TUFF

Consultant:
 HOCHTIEF
INDIA

Supervision & Management Consultant:
 ARMSTRONG

Issue: AB	Date: AUG-2019	Pages: 14 of 43
Scale: 1:50		Paper: A3
DWG #: T1713-TOS-95300-CV-DW-0014		



KEY PLAN

THIS LOCATION

S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER

REV

T1713-TOS-95300-CV-DW-0015A

A2

AS-BUILT

Description

Date

AS-BUILT

24/08/2019

DRAWING STATUS

APPROVED

REJECTED

N. MAAFARU AIRPORT

GENERAL CROSS SECTIONS

Drawing Title:

TAXIWAY A & B LAYOUT

Employer:

REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:

TUFF

Consultant:

HOCHTIEF
INDIA

Supervision & Management Consultant:

ARMSTRONG

Issue: AB

Date: AUG-2019

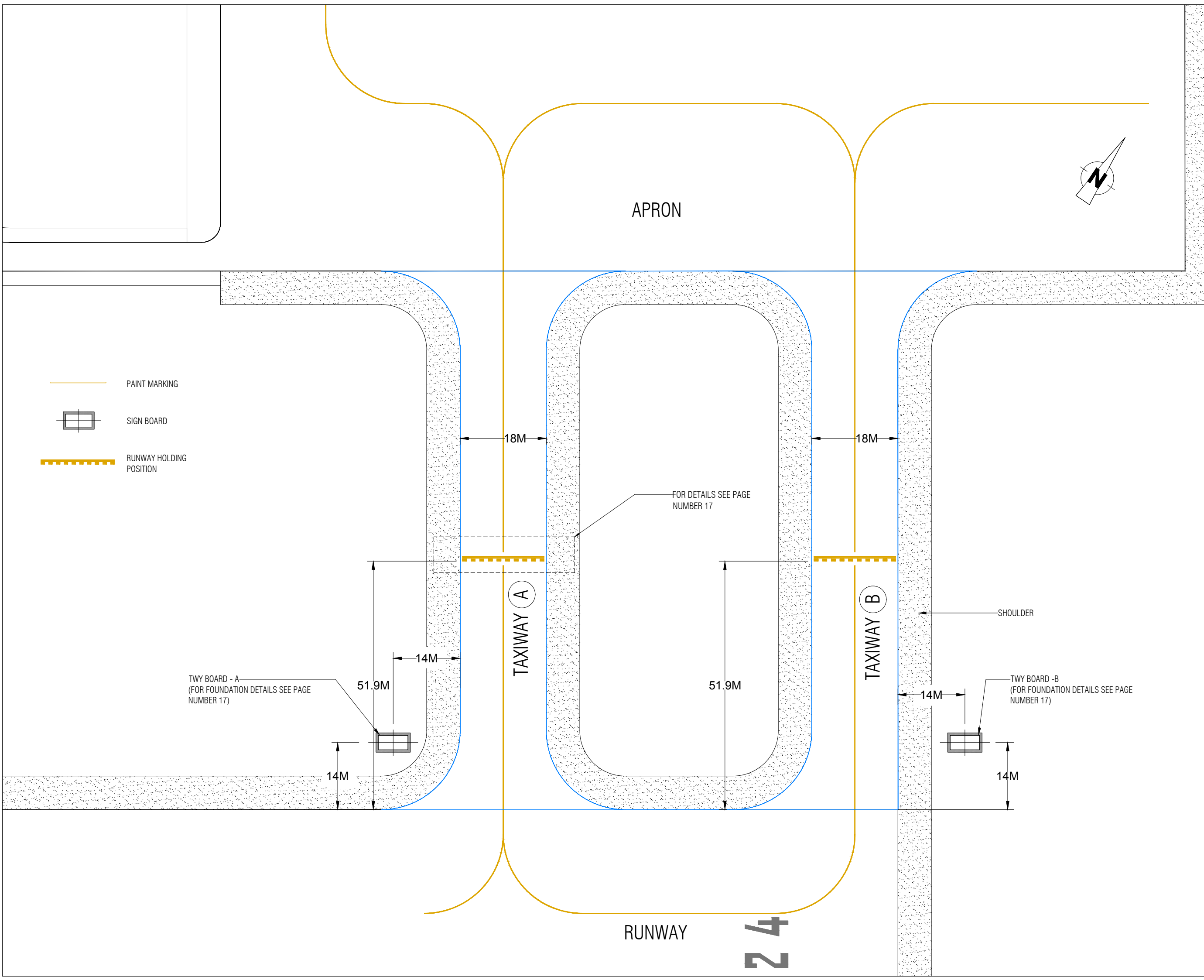
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Paper: A3

DWG #:

T1713-TOS-95300-CV-DW-0015A



KEY PLAN

THIS LOCATION

S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER	REV
T1713-TOS-95300-CV-DW-0015B	A2

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS

☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT
GENERAL CROSS SECTIONS

Drawing Title:

PAINT MARKING SIGN BOARD LAYOUT

Employer:

REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:

TUFF

Consultant:

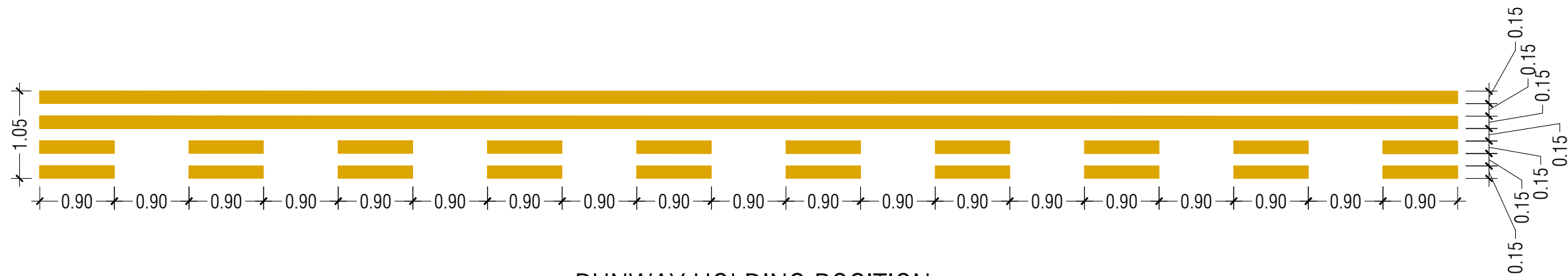
HOCHTIEF
INDIA

Supervision & Management Consultant:

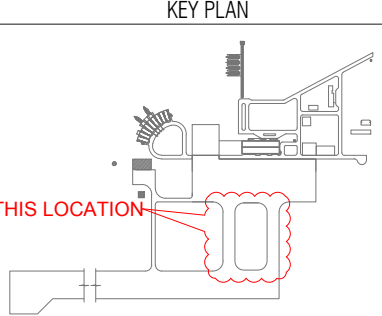
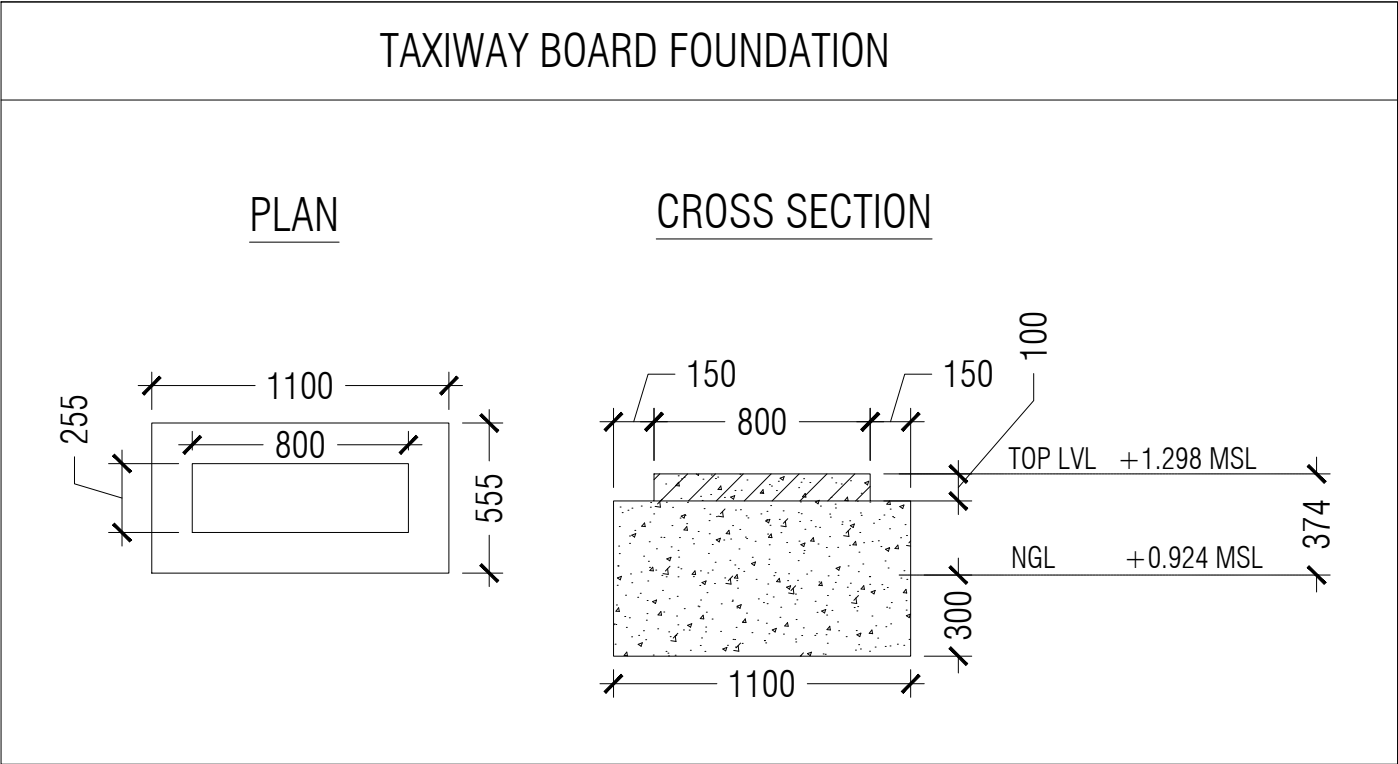
ARMSTRONG

Issue: AB	Date: AUG-2019	Pages: 16 of 43
Scale: 1:700.6055		Paper: A3

DWG #: T1713-TOS-95300-CV-DW-0015B



RUNWAY HOLDING POSITION



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CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-95300-CV-DW-0015C

REV
A2

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
RUNWAY HOLDING POSITION PAINT & TAXIWAY BOARD
FOUNDATION DETAILS

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM



Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 TUFF

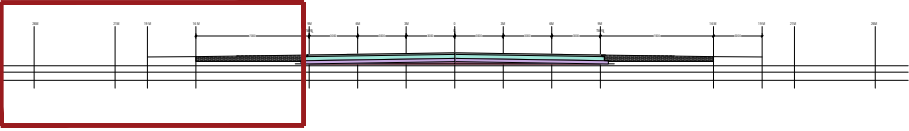
Consultant:
 HOCHTIEF
INDIA

Supervision & Management Consultant:
 ARMSTRONG

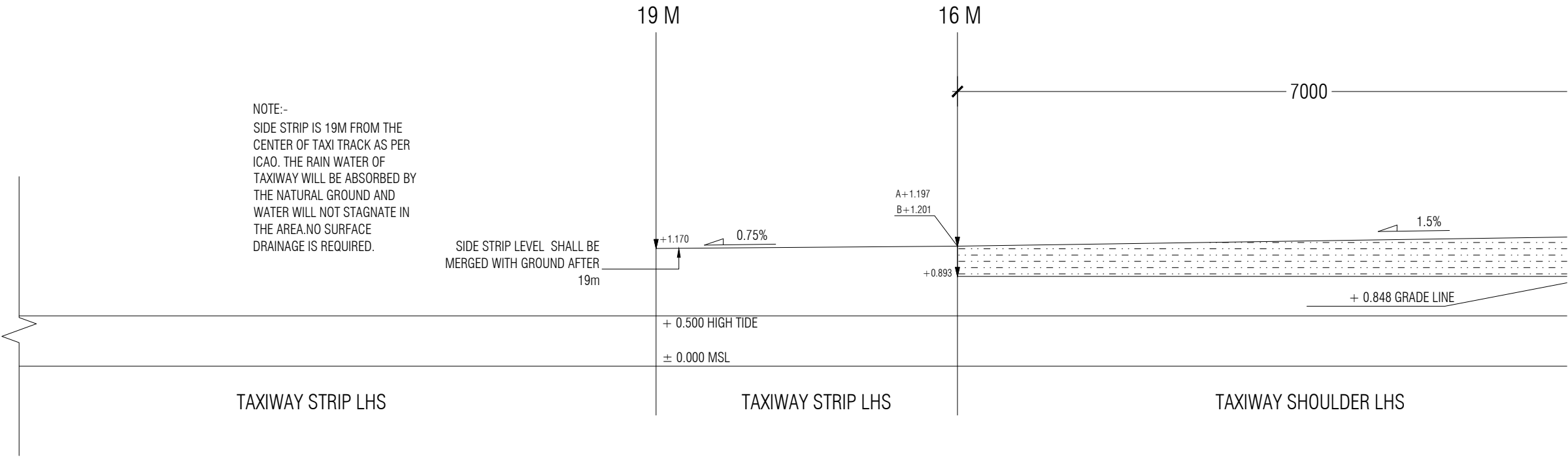
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DWG #: T1713-TOS-95300-CV-DW-0015C



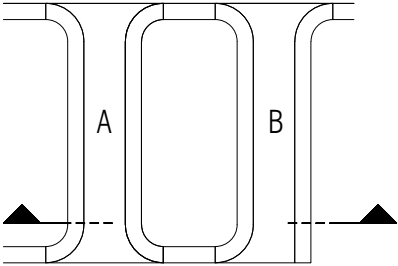
KEY CROSS-SECTION



TAXIWAY STRIP LHS

TAXIWAY STRIP LHS

TAXIWAY SHOULDER LHS



KEY PLAN

TYPICAL CROSS SECTION -1 OF TAXIWAY A & TAXIWAY B @ 17.25 M FROM RUNWAY EDGE

SCALE - 1:50

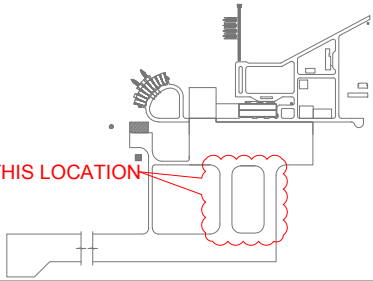


- NOTE: 1. FILLING DONE UPTO +0.960 MSL
2. FILLING IN SHOULDER AREA UPTO +1.005 MSL
3. COMPACTING IN THE SHOULDER AREA FROM +1.005 MSL UPTO TOP LVL OF THE SHOULDER.
4. SUBBASE FOR TAXIWAY PAVEMENT STARTS FROM +0.960 MSL TO +1.050 MSL

①	40MM THK DENSE ASPHALT CONCRETE (TOP LAYER)
①	60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	250MM THK COMPACTED AGGREGATE BASE COURSE (2 LAYERS) CBR > 80%
③	100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④	COMPACTED SUB GRADE CBR > 15%

NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	MINIMUM 100 MM SHALL BE PROVIDED TO BOTH SIDES OF 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	BASE COURSE	MINIMUM 300 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 500 MM SHALL BE PROVIDED TO BOTH SIDES

KEY PLAN



S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-95300-CV-DW-0015

REV
A2

AS-BUILT

Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION -1 OF TAXIWAY A & TAXIWAY B @
17.25 M FROM RUNWAY EDGE

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 TUFF

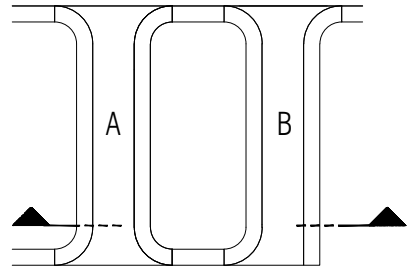
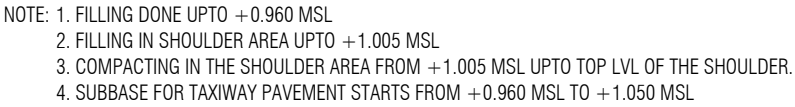
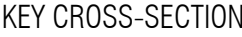
Consultant:
 HOCHTIEF
INDIA

Supervision & Management Consultant:
 ARMSTRONG

Issue: AB Date: AUG-2019 Pages: 18 of 43

Scale: 1:50 Paper: A3

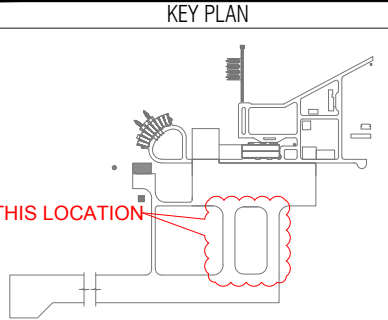
DWG #: T1713-TOS-95300-CV-DW-0015



KEY PLAN

TYPICAL CROSS SECTION -2 OF TAXIWAY A & TAXIWAY B @ 17.25 M FROM RUNWAY EDGE

SCALE - 1:50



S. ANADARAJ	24-08-2019
CONSULTANT SIGNATURE	DATE

APPROVAL OF REGIONAL AIRPORT MALDIVES	DATE
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REFERENCE CONSTRUCTION DRAWING NUMBER	REV
T1713-TOS-95300-CV-DW-0016	A2

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

N. MAAFARU AIRPORT

GENERAL CROSS SECTIONS

Drawing Title:

TYPICAL CROSS SECTION -2 OF TAXIWAY A & TAXIWAY B @
17.25 M FROM RUNWAY EDGE

Employer:

REGIONAL AIRPORTS
MINISTRY OF TOURISM



Funder:



صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:

 **TUFF**

Consultant:

 **HOCHTIEF**
INDIA

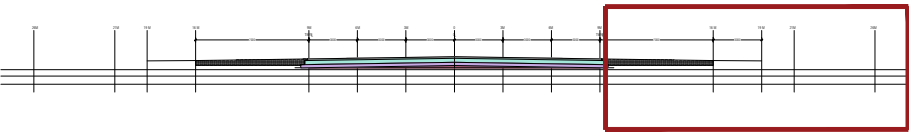
Supervision & Management Consultant:

 **myARMSTRONG.**

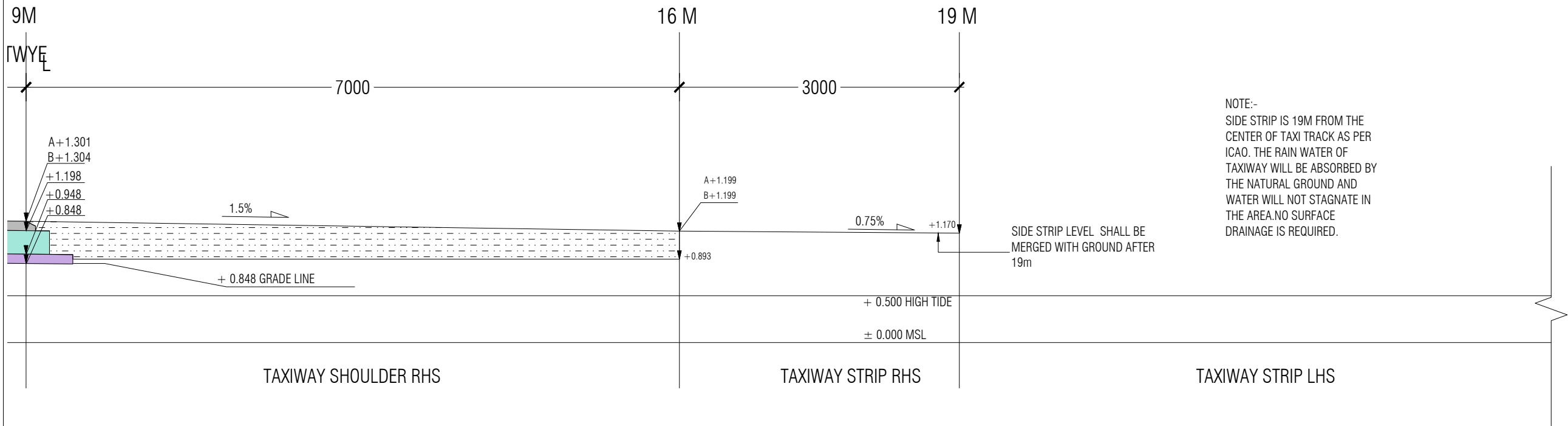
Issue: AB	Date: AUG-2019	Pages: 19 of 43
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Scale: 1:50	Paper: A3
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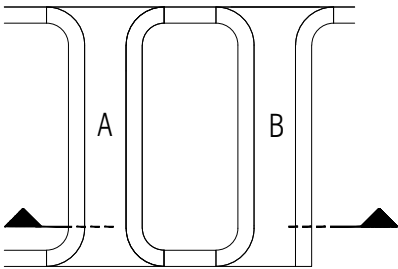
DWG #: T1713-TOS-95300-CV-DW-0016



KEY CROSS-SECTION



- NOTE: 1. FILLING DONE UPTO +0.960 MSL
2. FILLING IN SHOULDER AREA UPTO +1.005 MSL
3. COMPACTING IN THE SHOULDER AREA FROM +1.005 MSL UPTO TOP LVL OF THE SHOULDER.
4. SUBBASE FOR TAXIWAY PAVEMENT STARTS FROM +0.960 MSL TO +1.050 MSL



KEY PLAN

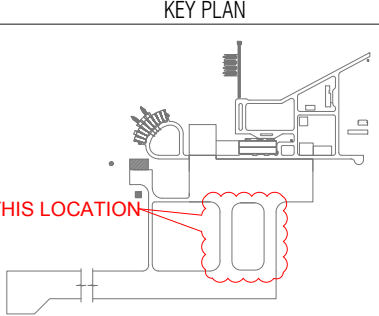
TYPICAL CROSS SECTION -3 OF TAXIWAY A & TAXIWAY B @ 17.25 M FROM RUNWAY EDGE

SCALE - 1:50



①		40MM THK DENSE ASPHALT CONCRETE (TOP LAYER)
①		60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②		250MM THK COMPACTED AGGREGATE BASE COURSE (2 LAYERS) CBR > 80%
③		100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④		COMPACTED SUB GRADE CBR > 15%

NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	MINIMUM 100 MM SHALL BE PROVIDED TO BOTH SIDES OF 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	BASE COURSE	MINIMUM 300 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 500 MM SHALL BE PROVIDED TO BOTH SIDES



24-08-2019
S. ANADARAJ
CONSULTANT SIGNATURE
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES
DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-95300-CV-DW-0017
REV
A2

AS-BUILT
Description
Date
AS-BUILT
24/08/2019

DRAWING STATUS
APPROVED
REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION -3 OF TAXIWAY A & TAXIWAY B @
17.25 M FROM RUNWAY EDGE

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:
سندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
TUFF

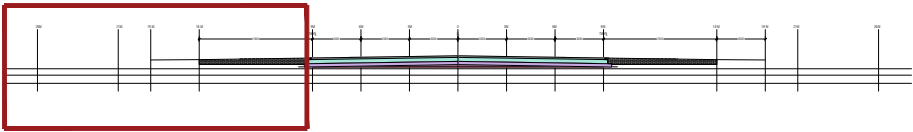
Consultant:
HOCHTIEF
INDIA

Supervision & Management Consultant:
ARMSTRONG

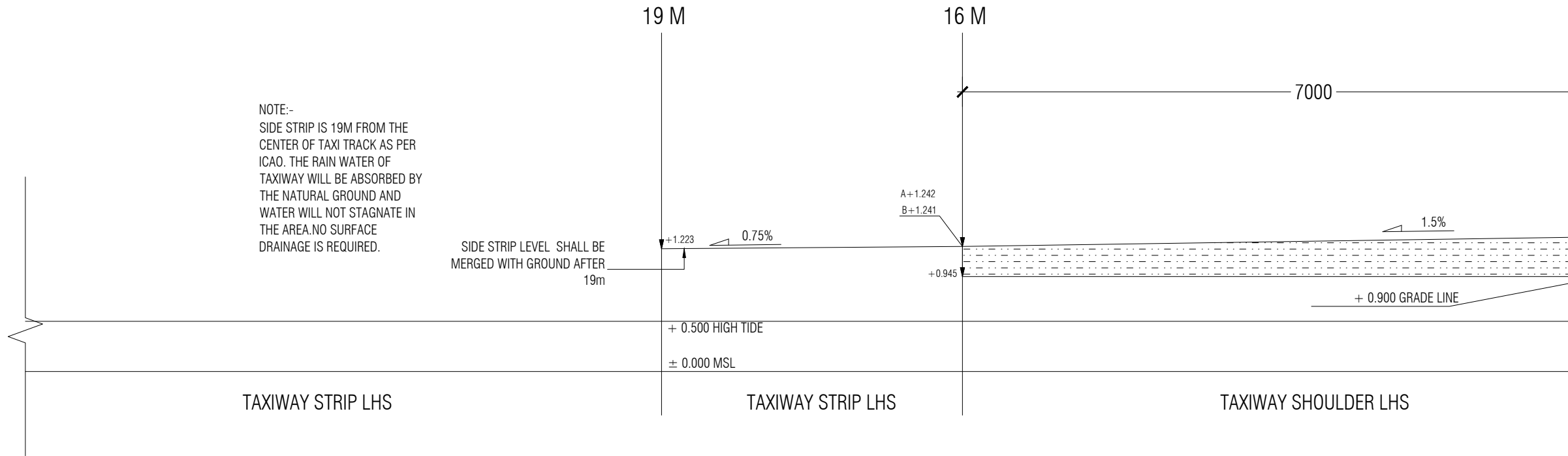
Issue: AB
Date: AUG-2019
Pages: 20 of 43

Scale: 1:50
Paper: A3

DWG #: T1713-TOS-95300-CV-DW-0017



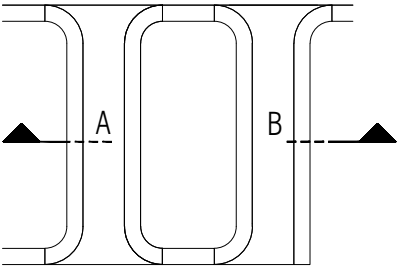
KEY CROSS-SECTION



- NOTE: 1. FILLING DONE UPTO +0.960 MSL
2. FILLING IN SHOULDER AREA UPTO +1.005 MSL
3. COMPACTING IN THE SHOULDER AREA FROM +1.005 MSL UPTO TOP LVL OF THE SHOULDER.
4. SUBBASE FOR TAXIWAY PAVEMENT STARTS FROM +0.960 MSL TO +1.050 MSL

①	40MM THK DENSE ASPHALT CONCRETE (TOP LAYER)
①	60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	250MM THK COMPACTED AGGREGATE BASE COURSE (2 LAYERS) CBR > 80%
③	100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④	COMPACTED SUB GRADE CBR > 15%

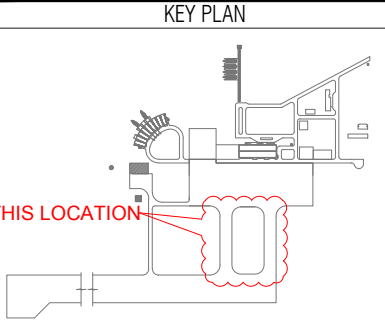
NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	MINIMUM 100 MM SHALL BE PROVIDED TO BOTH SIDES OF 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	BASE COURSE	MINIMUM 300 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 500 MM SHALL BE PROVIDED TO BOTH SIDES



KEY PLAN

TYPICAL CROSS SECTION -1 OF TAXIWAY A & TAXIWAY B @ 53.25 M FROM RUNWAY EDGE

SCALE - 1:50



24-08-2019
S. ANADARAJ
CONSULTANT SIGNATURE
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES
DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-95300-CV-DW-0018
REV
A2

AS-BUILT
Description
Date
AS-BUILT
24/08/2019

DRAWING STATUS
APPROVED
REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION -1 OF TAXIWAY A & TAXIWAY B @
53.25 M FROM RUNWAY EDGE

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:
سندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
TUFF

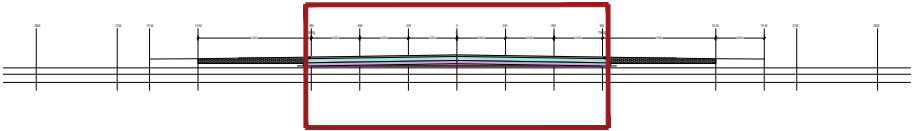
Consultant:
HOCHTIEF
INDIA

Supervision & Management Consultant:
ARMSTRONG

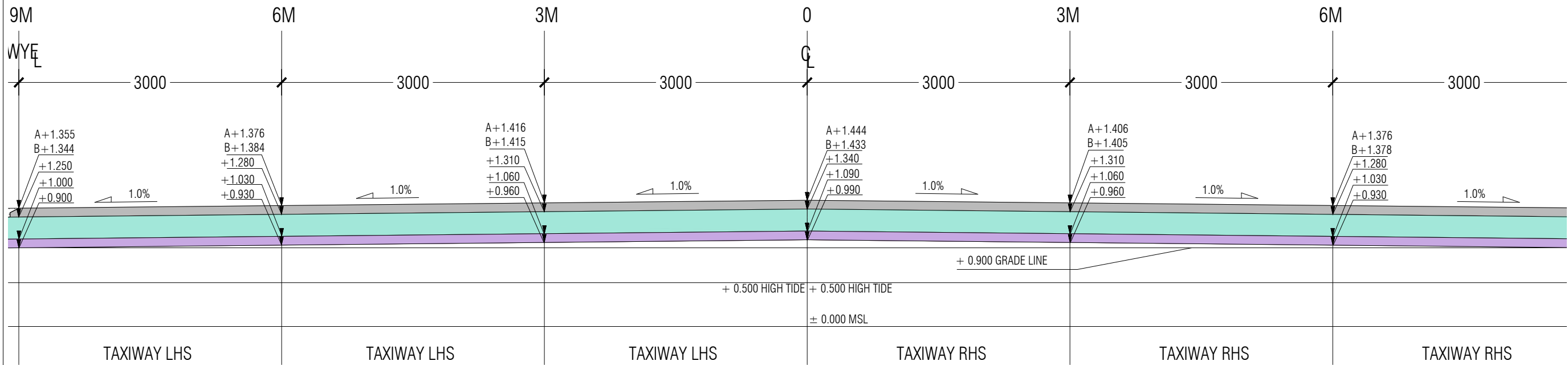
Issue: AB
Date: AUG-2019
Pages: 21 of 43

Scale: 1:50
Paper: A3

DWG #: T1713-TOS-95300-CV-DW-0018



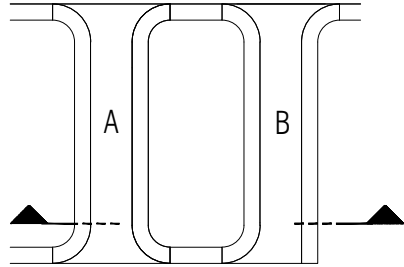
KEY CROSS-SECTION



NOTE: 1. FILLING DONE UPTO +0.960 MSL
2. FILLING IN SHOULDER AREA UPTO +1.005 MSL
3. COMPACTING IN THE SHOULDER AREA FROM +1.005 MSL UPTO TOP LVL OF THE SHOULDER.
4. SUBBASE FOR TAXIWAY PAVEMENT STARTS FROM +0.960 MSL TO +1.050 MSL

①	40MM THK DENSE ASPHALT CONCRETE (TOP LAYER)
①	60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	250MM THK COMPACTED AGGREGATE BASE COURSE (2 LAYERS) CBR > 80%
③	100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④	COMPACTED SUB GRADE CBR > 15%

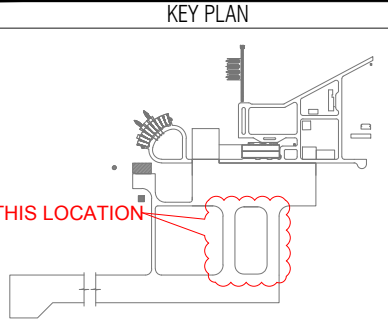
NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	MINIMUM 100 MM SHALL BE PROVIDED TO BOTH SIDES OF 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	BASE COURSE	MINIMUM 300 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 500 MM SHALL BE PROVIDED TO BOTH SIDES



KEY PLAN

TYPICAL CROSS SECTION -2 OF TAXIWAY A & TAXIWAY B @ 17.25 M FROM RUNWAY EDGE

SCALE - 1:50



24-08-2019
S. ANADARAJ
CONSULTANT SIGNATURE
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES
DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-95300-CV-DW-0019
REV
A2

AS-BUILT
Description
Date
AS-BUILT
24/08/2019

DRAWING STATUS
APPROVED
REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION -2 OF TAXIWAY A & TAXIWAY B @
53.25 M FROM RUNWAY EDGE

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:
سندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
TUFF

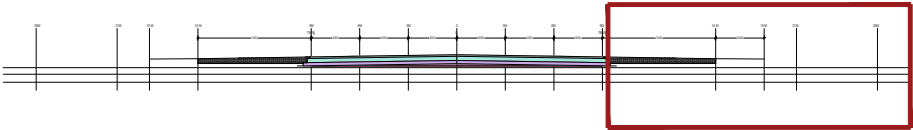
Consultant:
HOCHTIEF
INDIA

Supervision & Management Consultant:
ARMSTRONG

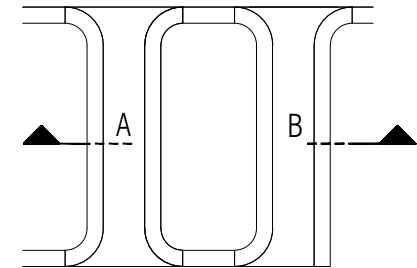
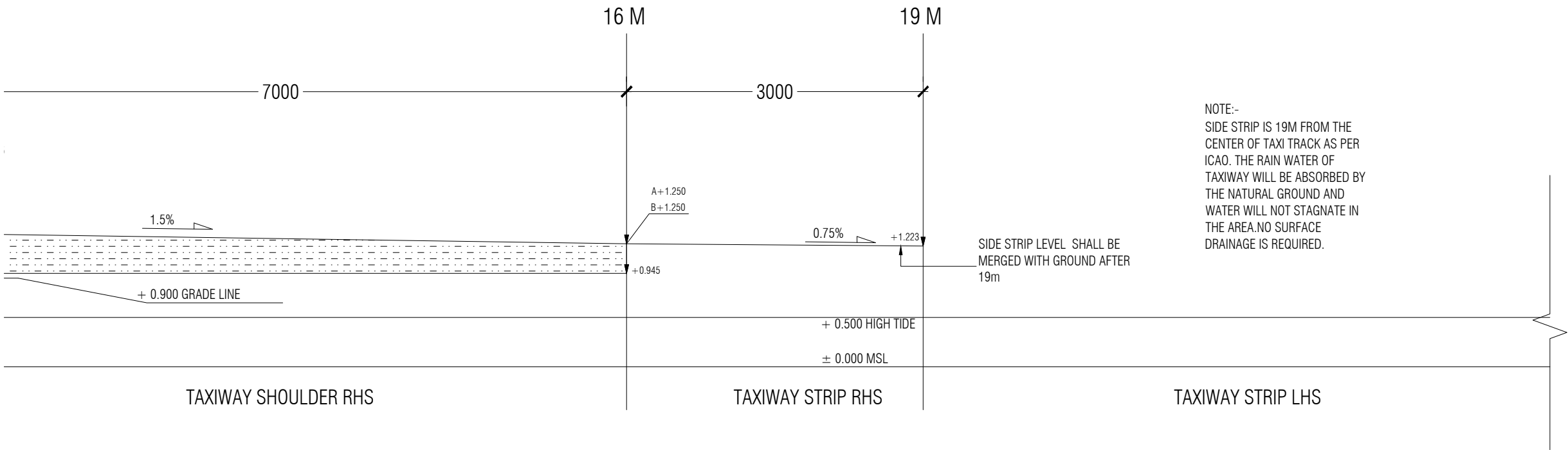
Issue: AB
Date: AUG-2019
Pages: 22 of 43

Scale: 1:50
Paper: A3

DWG #: T1713-TOS-95300-CV-DW-0019



KEY CROSS-SECTION



KEY PLAN

TYPICAL CROSS SECTION -3 OF TAXIWAY A & TAXIWAY B @ 53.25 M FROM RUNWAY EDGE

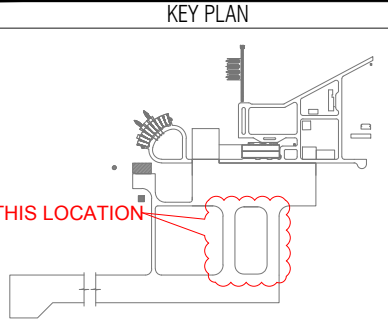
SCALE - 1:50



- NOTE: 1. FILLING DONE UPTO +0.960 MSL
2. FILLING IN SHOULDER AREA UPTO +1.005 MSL
3. COMPACTING IN THE SHOULDER AREA FROM +1.005 MSL UPTO TOP LVL OF THE SHOULDER.
4. SUBBASE FOR TAXIWAY PAVEMENT STARTS FROM +0.960 MSL TO +1.050 MSL

①	40MM THK DENSE ASPHALT CONCRETE (TOP LAYER)
①	60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	250MM THK COMPACTED AGGREGATE BASE COURSE (2 LAYERS) CBR > 80%
③	100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④	COMPACTED SUB GRADE CBR > 15%

NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	MINIMUM 100 MM SHALL BE PROVIDED TO BOTH SIDES OF 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	BASE COURSE	MINIMUM 300 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 500 MM SHALL BE PROVIDED TO BOTH SIDES



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S. ANADARAJ
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REV
A2

AS-BUILT
Description
Date
AS-BUILT
24/08/2019

DRAWING STATUS
APPROVED
REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION -3 OF TAXIWAY A & TAXIWAY B @
53.25 M FROM RUNWAY EDGE

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:
سندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
TUFF

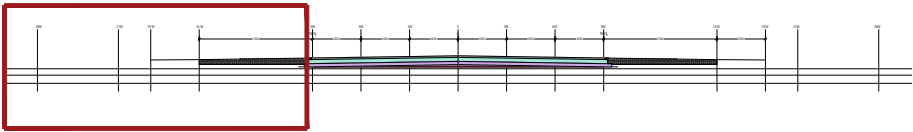
Consultant:
HOCHTIEF
INDIA

Supervision & Management Consultant:
ARMSTRONG

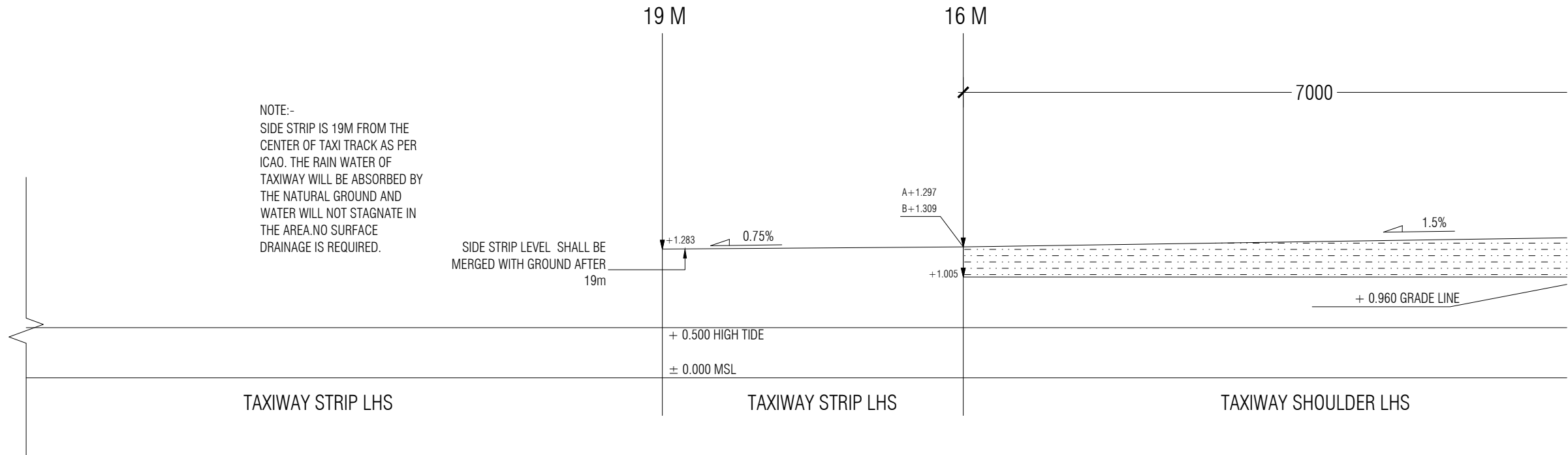
Issue: AB
Date: AUG-2019
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Paper: A3

DWG #: T1713-TOS-95300-CV-DW-0020



KEY CROSS-SECTION



SIDE STRIP LEVEL SHALL BE MERGED WITH GROUND AFTER 19m

A+1.297
B+1.309

+1.005

1.5%

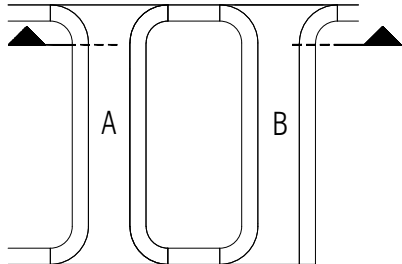
+ 0.960 GRADE LINE

TAXIWAY STRIP LHS

TAXIWAY STRIP LHS

TAXIWAY SHOULDER LHS

- NOTE: 1. FILLING DONE UPTO +0.960 MSL
2. FILLING IN SHOULDER AREA UPTO +1.005 MSL
3. COMPACTING IN THE SHOULDER AREA FROM +1.005 MSL UPTO TOP LVL OF THE SHOULDER.
4. SUBBASE FOR TAXIWAY PAVEMENT STARTS FROM +0.960 MSL TO +1.050 MSL



KEY PLAN

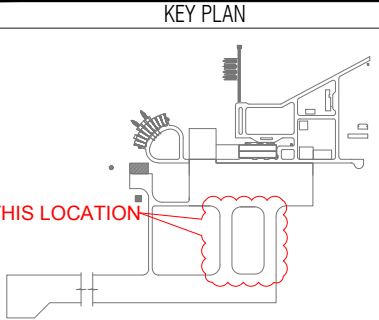
TYPICAL CROSS SECTION -1 OF TAXIWAY A & TAXIWAY B @ 95.25 M FROM RUNWAY EDGE

SCALE - 1:50



①	40MM THK DENSE ASPHALT CONCRETE (TOP LAYER)
①	60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	250MM THK COMPACTED AGGREGATE BASE COURSE (2 LAYERS) CBR > 80%
③	100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④	COMPACTED SUB GRADE CBR > 15%

NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	MINIMUM 100 MM SHALL BE PROVIDED TO BOTH SIDES OF 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	BASE COURSE	MINIMUM 300 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 500 MM SHALL BE PROVIDED TO BOTH SIDES



S. ANADARAJ
CONSULTANT SIGNATURE

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DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
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Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION -1 OF TAXIWAY A & TAXIWAY B @
95.25 M FROM RUNWAY EDGE

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 **TUFF**

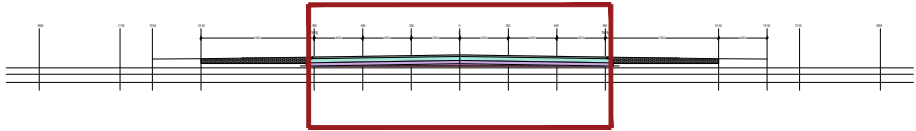
Consultant:
 **HOCHTIEF**
INDIA

Supervision & Management Consultant:
 **ARMSTRONG**

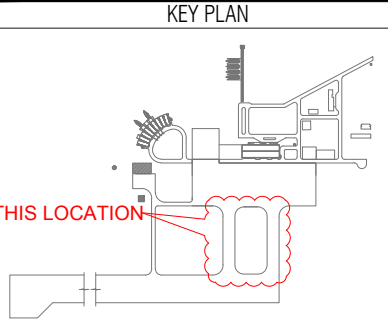
Issue: AB Date: AUG-2019 Pages: 24 of 43

Scale: 1:50 Paper: A3

DWG #: T1713-TOS-95300-CV-DW-0021



KEY CROSS-SECTION



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MALDIVES
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REV
A2

AS-BUILT
Description
Date
AS-BUILT
24/08/2019

DRAWING STATUS
APPROVED
REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION -2 OF TAXIWAY A &
TAXIWAY B @ 17.25 M FROM RUNWAY EDGE

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 **TUFF**

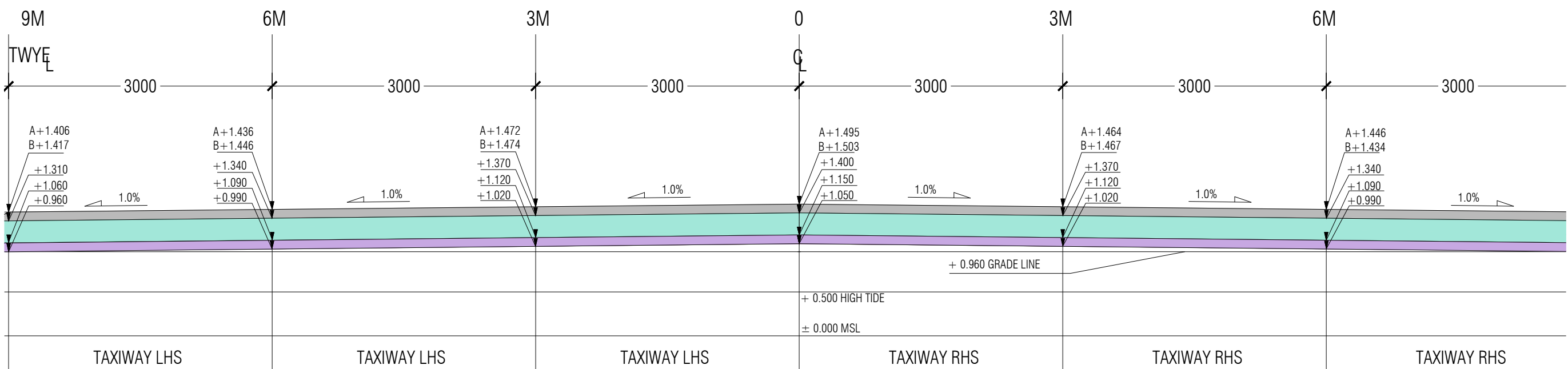
Consultant:
 **HOCHTIEF
INDIA**

Supervision & Management Consultant:
 **ARMSTRONG**

Issue: AB Date: AUG-2019 Pages: 25 of 43

Scale: 1:50 Paper: A3

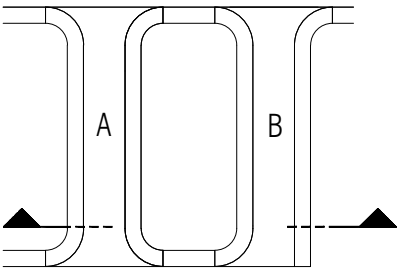
DWG #: T1713-TOS-95300-CV-DW-0022



NOTE: 1. FILLING DONE UPTO +0.960 MSL
2. FILLING IN SHOULDER AREA UPTO +1.005 MSL
3. COMPACTING IN THE SHOULDER AREA FROM +1.005 MSL UPTO TOP LVL OF THE SHOULDER.
4. SUBBASE FOR TAXIWAY PAVEMENT STARTS FROM +0.960 MSL TO +1.050 MSL

①	40MM THK DENSE ASPHALT CONCRETE (TOP LAYER)
①	60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	250MM THK COMPACTED AGGREGATE BASE COURSE (2 LAYERS) CBR > 80%
③	100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④	COMPACTED SUB GRADE CBR > 15%

NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	MINIMUM 100 MM SHALL BE PROVIDED TO BOTH SIDES OF 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	BASE COURSE	MINIMUM 300 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 500 MM SHALL BE PROVIDED TO BOTH SIDES

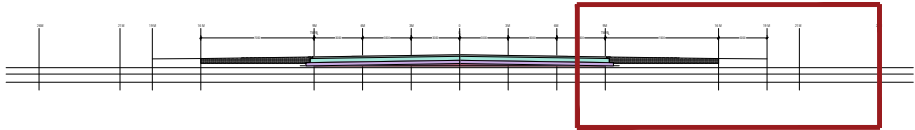


KEY PLAN

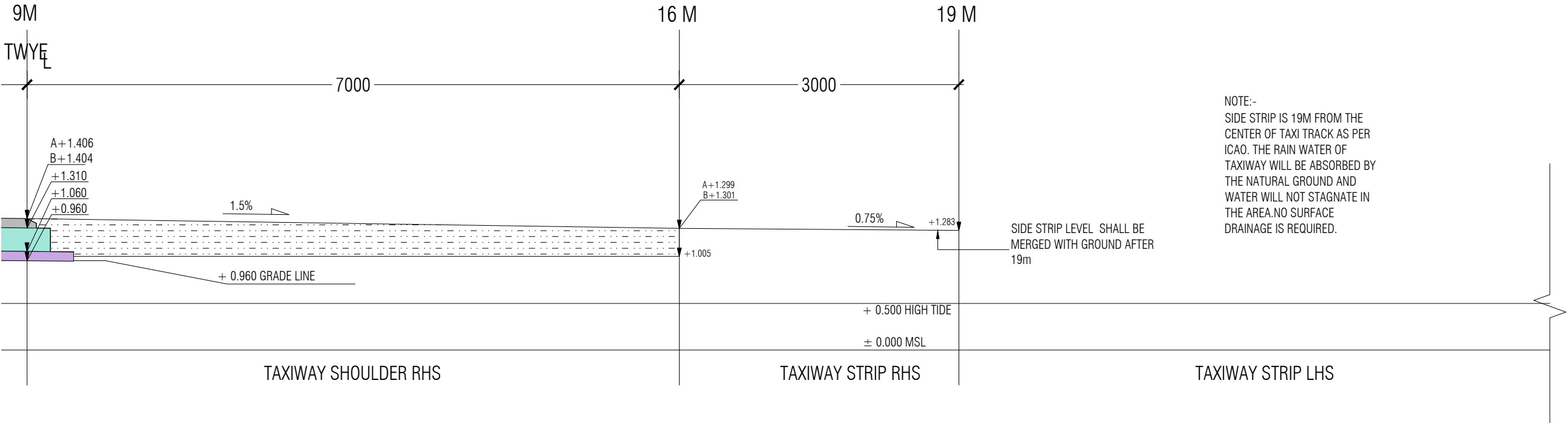
TYPICAL CROSS SECTION -2 OF TAXIWAY A & TAXIWAY B @ 17.25 M FROM RUNWAY EDGE

SCALE - 1:50

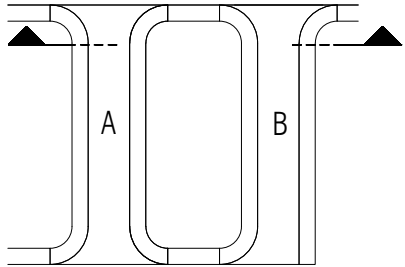




KEY CROSS-SECTION



- NOTE: 1. FILLING DONE UPTO +0.960 MSL
2. FILLING IN SHOULDER AREA UPTO +1.005 MSL
3. COMPACTING IN THE SHOULDER AREA FROM +1.005 MSL UPTO TOP LVL OF THE SHOULDER.
4. SUBBASE FOR TAXIWAY PAVEMENT STARTS FROM +0.960 MSL TO +1.050 MSL



KEY PLAN

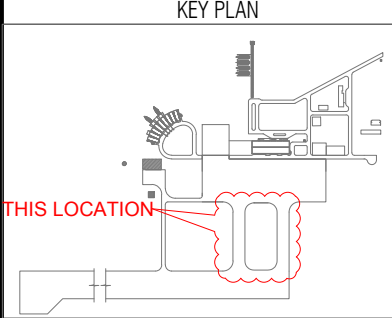
TYPICAL CROSS SECTION -3 OF TAXIWAY A & TAXIWAY B @ 95.25 M FROM RUNWAY EDGE

SCALE - 1:50



①		40MM THK DENSE ASPHALT CONCRETE (TOP LAYER)
①		60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②		250MM THK COMPACTED AGGREGATE BASE COURSE (2 LAYERS) CBR > 80%
③		100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④		COMPACTED SUB GRADE CBR > 15%

NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	MINIMUM 100 MM SHALL BE PROVIDED TO BOTH SIDES OF 60MM THK SEMI-DENSE ASPHALT CONCRETE (LOWER LAYER)
②	BASE COURSE	MINIMUM 300 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 500 MM SHALL BE PROVIDED TO BOTH SIDES



24-08-2019
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REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-95300-CV-DW-0023
REV
A2

AS-BUILT
Description
Date
AS-BUILT
24/08/2019

DRAWING STATUS
APPROVED
REJECTED

N. MAAFARU AIRPORT
GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION -2 OF TAXIWAY A & TAXIWAY B @
95.25 M FROM RUNWAY EDGE

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:
سندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
TUFF

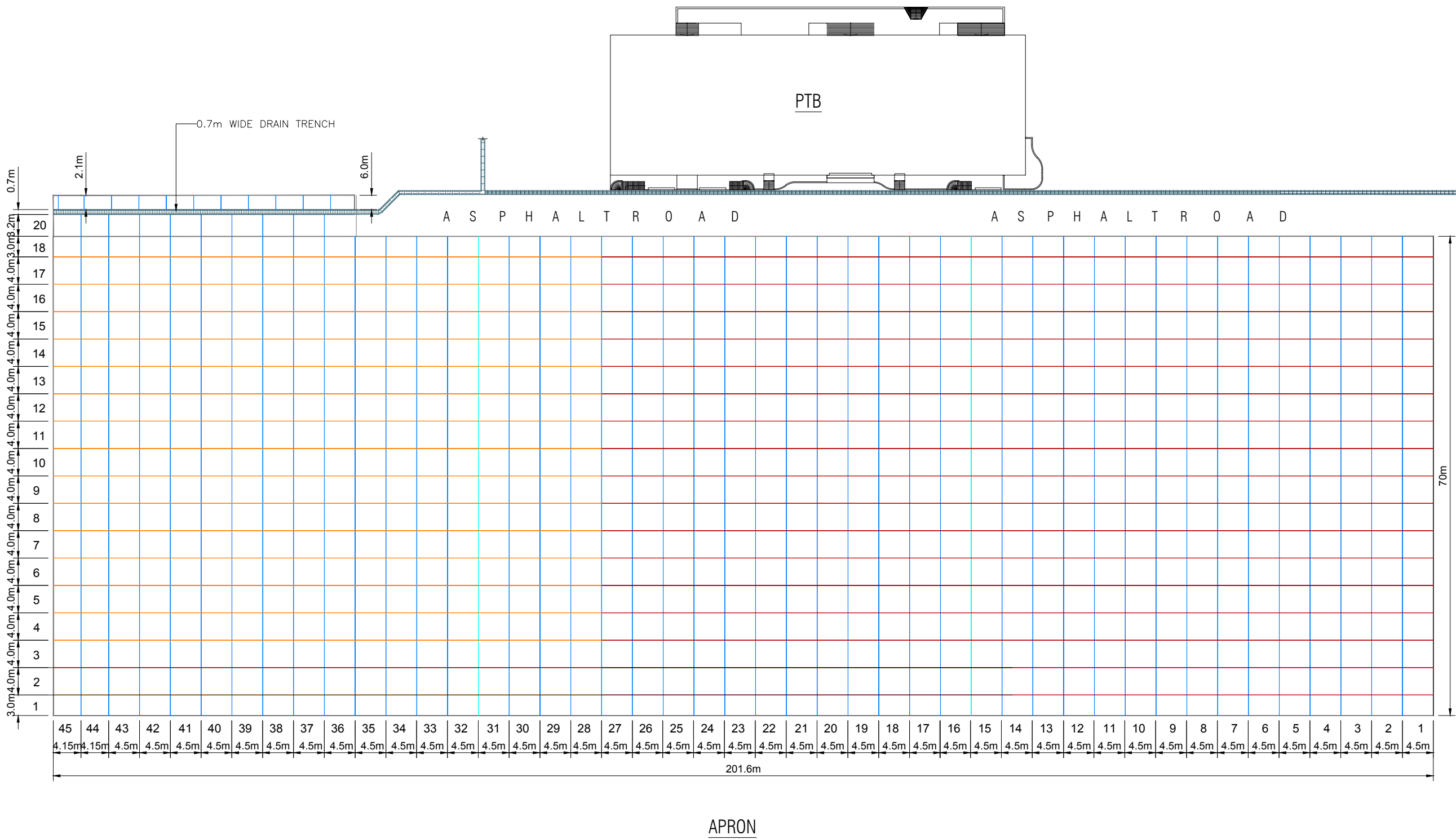
Consultant:
HOCHTIEF
INDIA

Supervision & Management Consultant:
ARMSTRONG

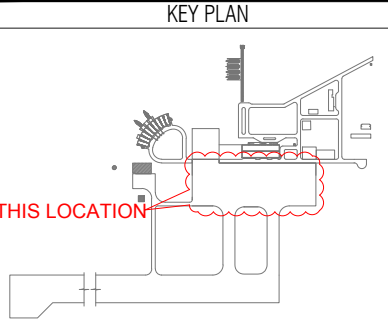
Issue: AB
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Scale: 1:50
Paper: A3

DWG #: T1713-TOS-95300-CV-DW-0023



- EXPANSION JOINT
- CONSTRUCTION JOINT
- CONTRACTION JOINT (20mm)
- CONTRACTION JOINT (10mm)



S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-95300-CV-DW-0024A

REV
A2

AS-BUILT

Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
APRON LAYOUT, DETAILS OF
EXPANSION & CONSTRUCTION JOINTS

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 TUFF

Consultant:
 HOCHTIEF
INDIA

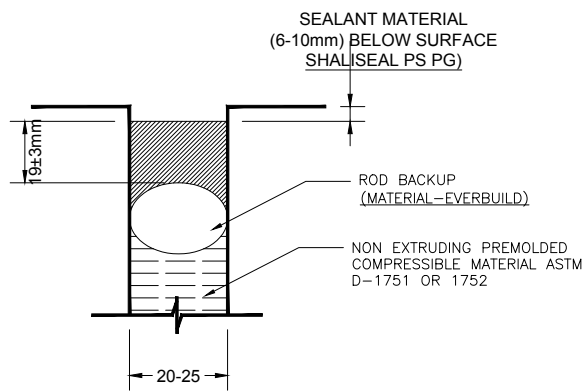
Supervision & Management Consultant:
 ARMSTRONG

Issue: AB Date: AUG-2019 Pages: 27 of 43

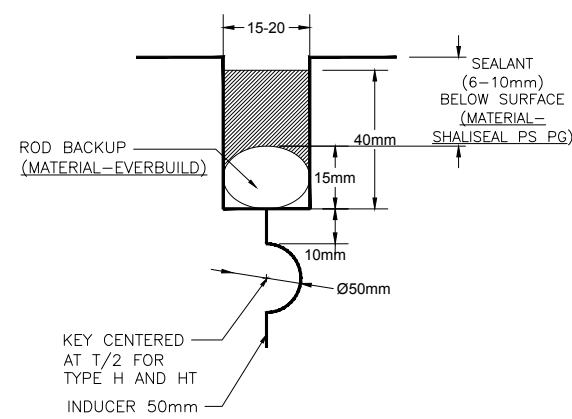
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DWG #: T1713-TOS-95300-CV-DW-0024A

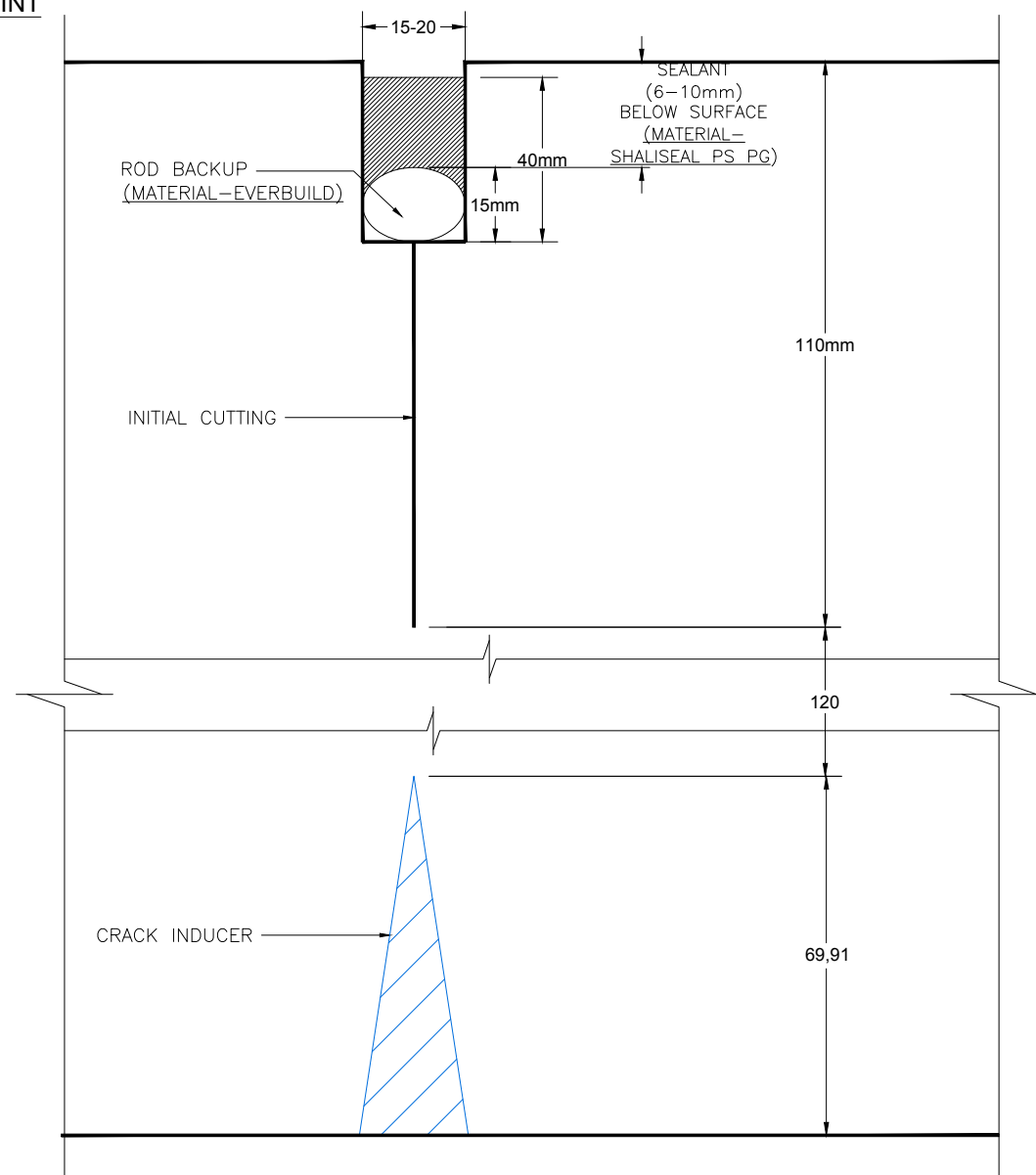
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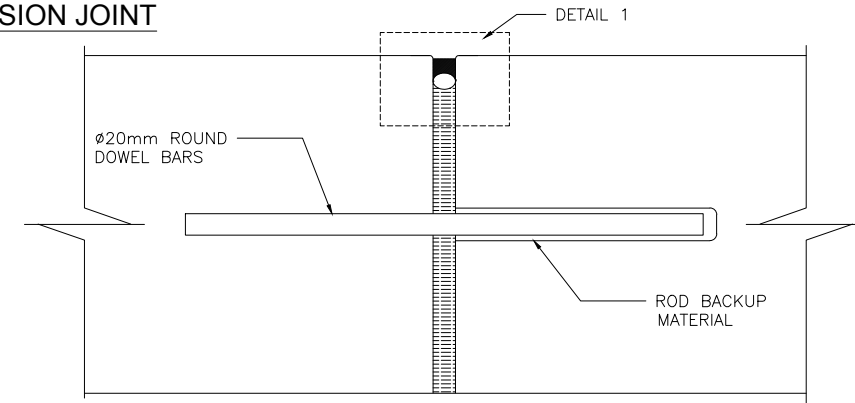
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CONSTRUCTION JOINT



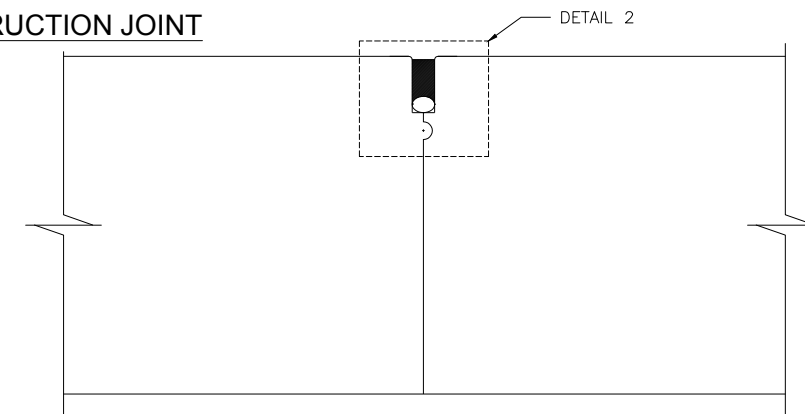
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CONTRACTION JOINT



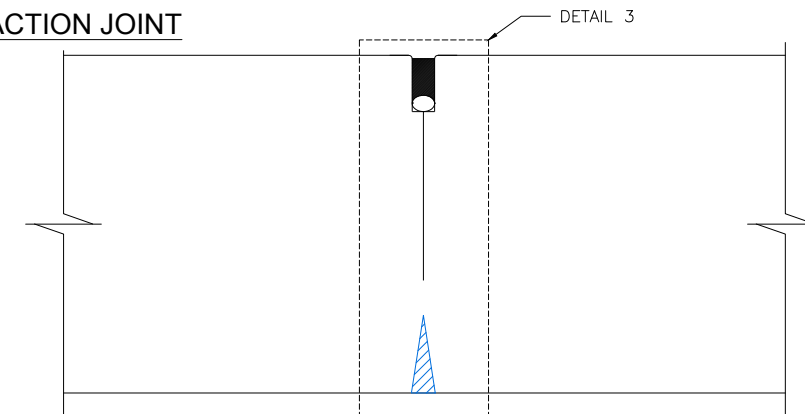
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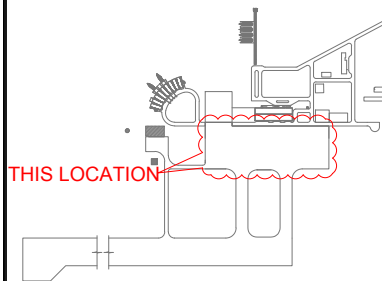
CONSTRUCTION JOINT



CONTRACTION JOINT



KEY PLAN



24-08-2019
DATE
S. ANADARAJ
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DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-95300-CV-DW-0024B
REV
A2

AS-BUILT
Description
Date
AS-BUILT
24/08/2019

DRAWING STATUS
APPROVED
REJECTED

N. MAAFARU AIRPORT
GENERAL CROSS SECTIONS

Drawing Title:
APRON LAYOUT, DETAILS OF
EXPANSION & CONSTRUCTION JOINTS

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:
سندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
TUFF

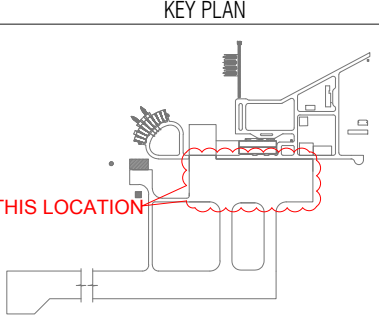
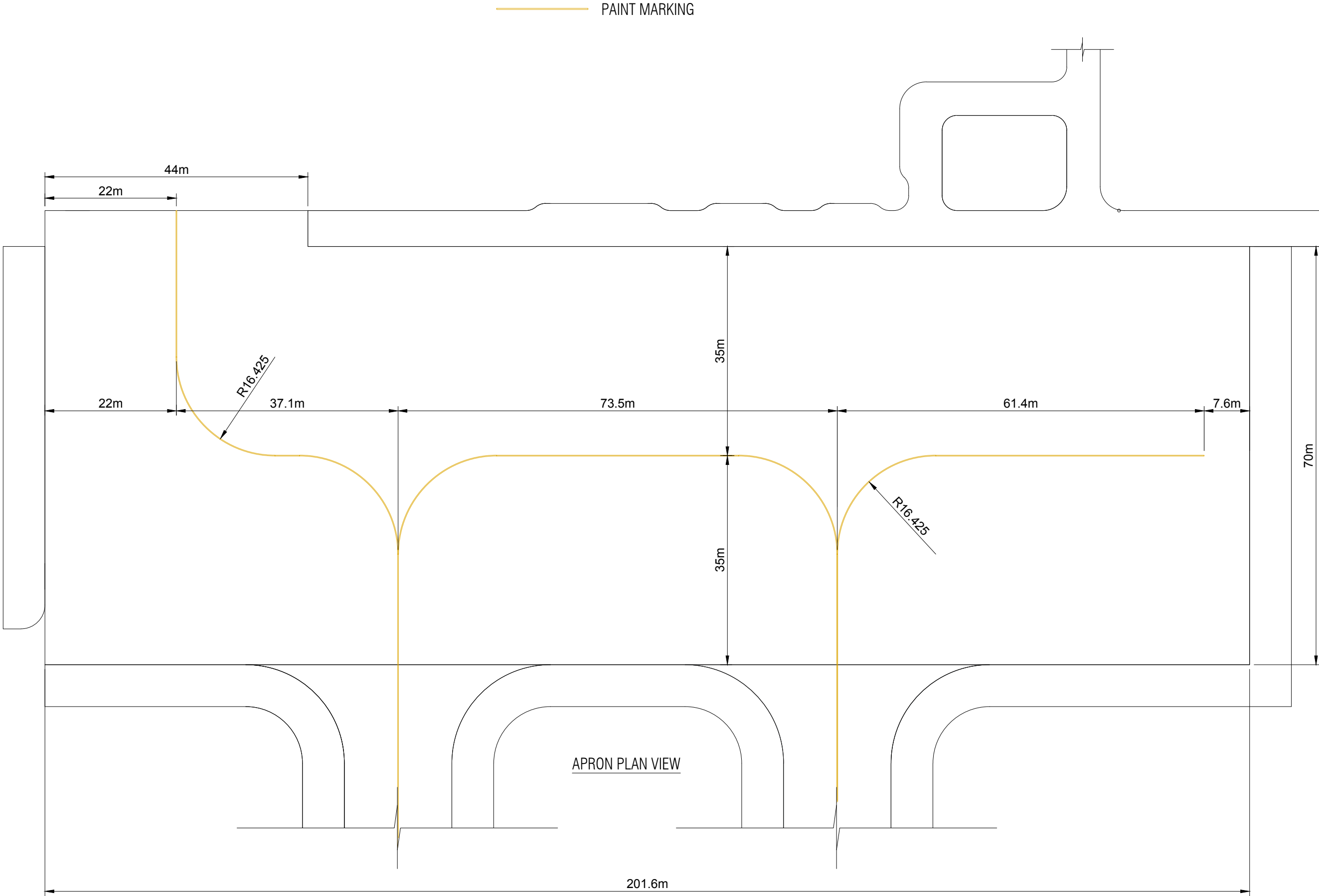
Consultant:
HOCHTIEF
INDIA

Supervision & Management Consultant:
ARMSTRONG

Issue: AB
Date: AUG-2019
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Scale: ###
Paper: A3

DWG #: T1713-TOS-95300-CV-DW-0024B



S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER	REV
T1713-TOS-95300-CV-DW-0024C	A2

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
APRON PAINT MARKING
LAYOUT

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM



Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 **TUFF**

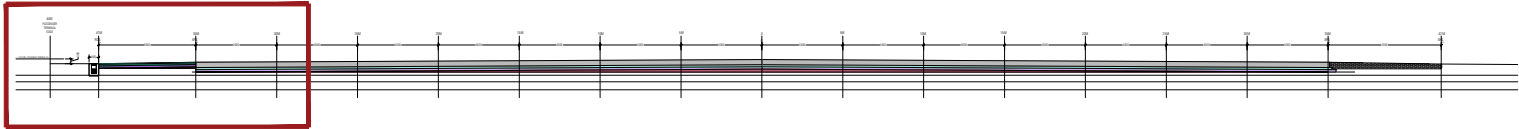
Consultant:
 **HOCHTIEF**
INDIA

Supervision & Management Consultant:
 **ARMSTRONG**

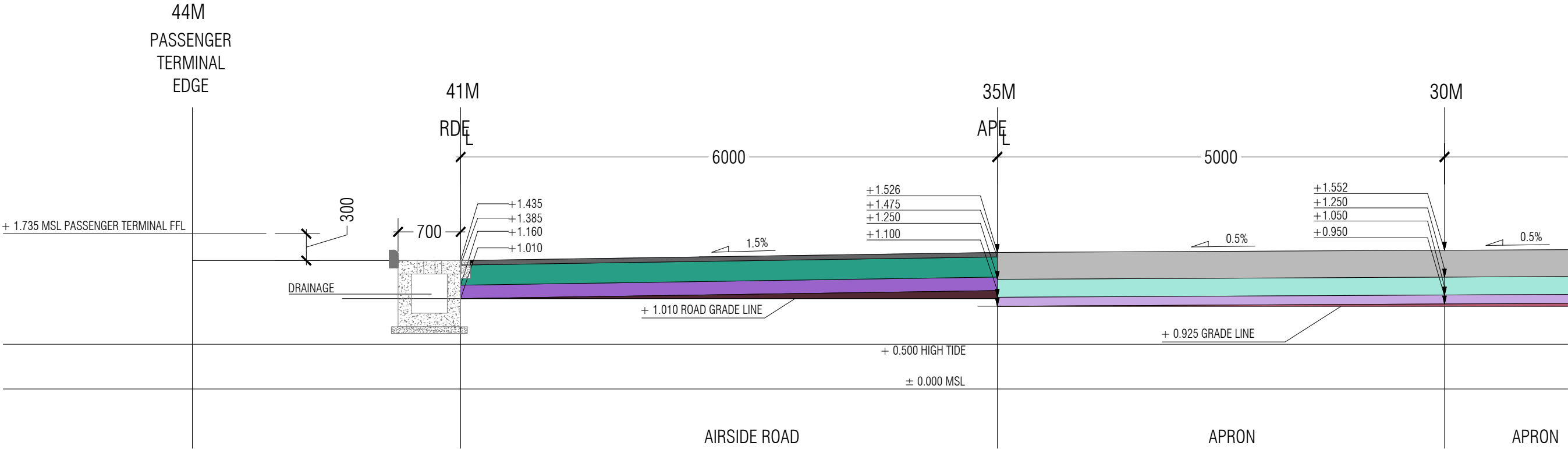
Issue: AB Date: AUG-2019 Pages: 29 of 43

Scale: 1:641.0056 Paper: A3





DWG #: T1713-TOS-95300-CV-DW-0024C



KEY CROSS-SECTION






NOTE: 1. FILLING DONE UPTO +1.010MSL ALL ALONG THE ROAD
2. SUBBASE FOR ROAD PAVEMENT STARTS FROM +1.010 MSL TO +1.100 MSL

①		50MM THK ASPHALT WEARING COURSE
②		225MM THK COMPACTED AGGREGATE BASE COURSE
③		150MM THK COMPACTED SUB BASE MATERIAL(DREDGED SAND) CBR > 30%
④		COMPACTED SUB GRADE CBR > 15%

NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	NOT REQUIRED
②	BASE COURSE	NOT REQUIRED
③	SUB BASE COURSE	NOT REQUIRED

AIRSIDE ROAD

NOTE: 1. FILLING DONE UPTO + 0.925 MSL ALL ALONG THE APRON
2. FILLING IN SHOULDER AREA UPTO +1.120 MSL ALL ALONG THE SHOULDER.
3. COMPACTING IN THE SHOULDER AREA FROM +1.120 MSL UPTO TOP LVL OF THE SHOULDER.
4. SUBBASE FOR APRON PAVEMENT STARTS FROM +0.925 MSL TO +1.100 MSL

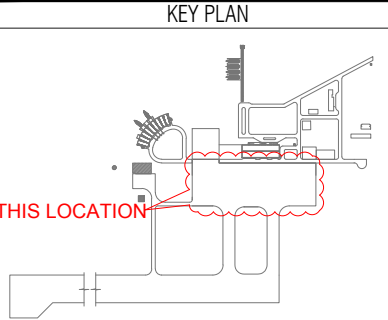
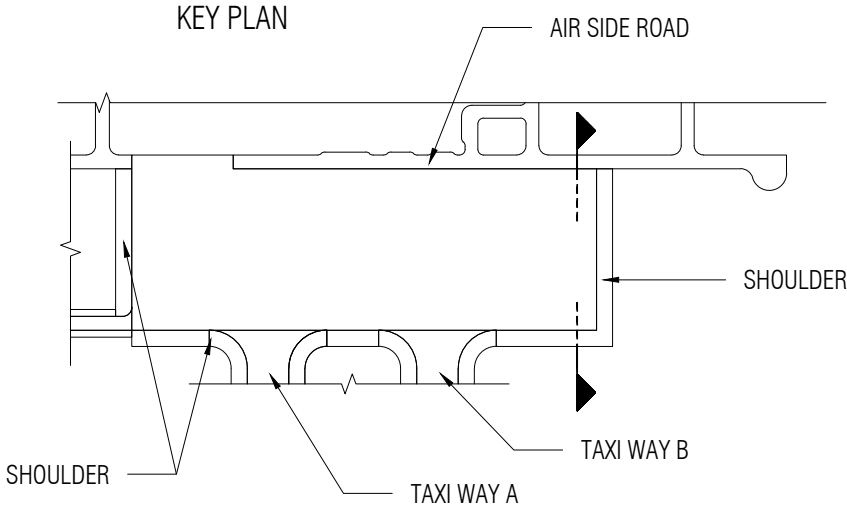
①		300MM THK PQC CONCRETE
②		200MM THK DRY LEAN CONCRETE
③		100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④		COMPACTED SUB GRADE CBR > 15%

NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	NOT REQUIRED
②	BASE COURSE	MINIMUM 200 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 400 MM SHALL BE PROVIDED TO BOTH SIDES

APRON

TYPICAL CROSS SECTION -1 OF APRON, AIRSIDE ROAD & SHOULDER

SCALE - 1:50



24-08-2019
S. ANADARAJ
CONSULTANT SIGNATURE
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MALDIVES
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T1713-TOS-95300-CV-DW-0024
REV
A2

AS-BUILT
Description
Date
AS-BUILT
24/08/2019
DRAWING STATUS
APPROVED
REJECTED

N. MAAFARU AIRPORT
GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION -1 OF APRON, AIRSIDE
ROAD & SHOULDER

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
TUFF

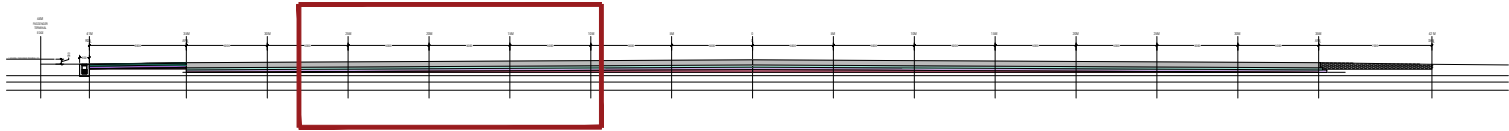
Consultant:
HOCHTIEF
INDIA

Supervision & Management Consultant:
ARMSTRONG

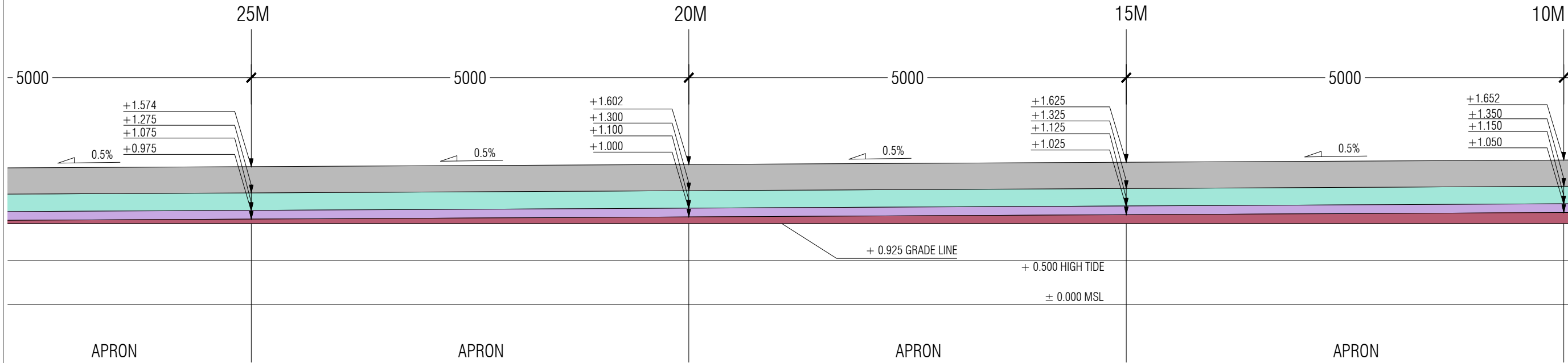
Issue: AB
Date: AUG-2019
Pages: 30 of 43

Scale: 1:50
Paper: A3

DWG #: T1713-TOS-95300-CV-DW-0024



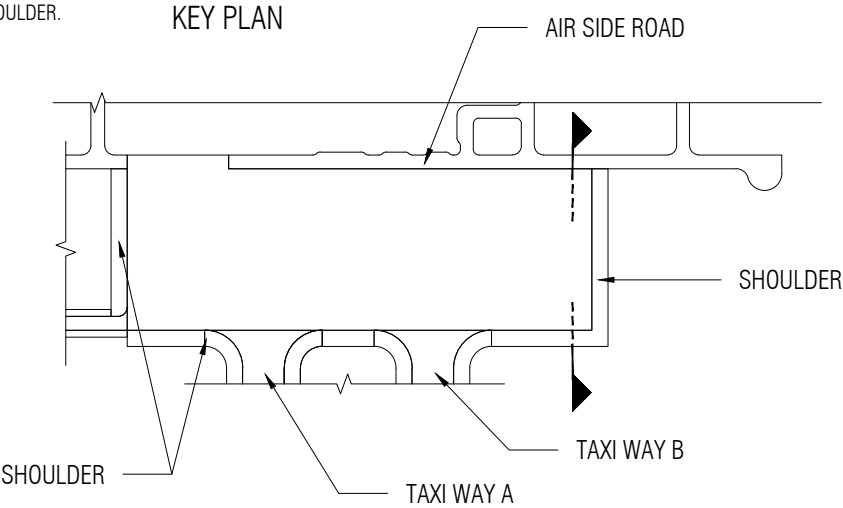
KEY CROSS-SECTION



NOTE: 1. FILLING DONE UPTO + 0.925 MSL ALL ALONG THE APRON
2. FILLING IN SHOULDER AREA UPTO + 1.120 MSL ALL ALONG THE SHOULDER.
3. COMPACTING IN THE SHOULDER AREA FROM + 1.120 MSL UPTO TOP LVL OF THE SHOULDER.
4. SUBBASE FOR APRON PAVEMENT STARTS FROM +0.925 MSL TO +1.100 MSL

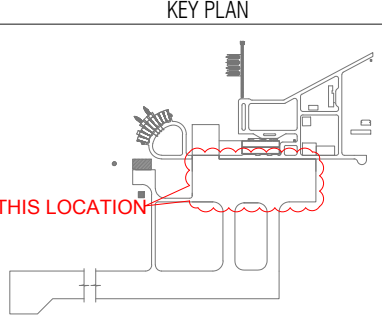
①	300MM THK PQC CONCRETE
②	200MM THK DRY LEAN CONCRETE
③	100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④	COMPACTED SUB GRADE CBR > 15%

NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	NOT REQUIRED
②	BASE COURSE	MINIMUM 200 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 400 MM SHALL BE PROVIDED TO BOTH SIDES



TYPICAL CROSS SECTION -2 OF APRON, AIRSIDE ROAD & SHOULDER

SCALE - 1:50



S. ANADARAJ CONSULTANT SIGNATURE		24-08-2019 DATE
APPROVAL OF REGIONAL AIRPORT MALDIVES		DATE
REFERENCE CONSTRUCTION DRAWING NUMBER	REV	
T1713-TOS-95300-CV-DW-0025	A2	
AS-BUILT		
Description	Date	
AS-BUILT	24/08/2019	
DRAWING STATUS	APPROVED	REJECTED

N. MAAFARU AIRPORT
GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION -2 OF APRON, AIRSIDE ROAD & SHOULDER

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

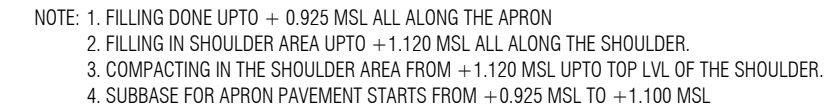
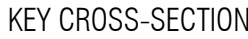
Funder:
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
TUFF

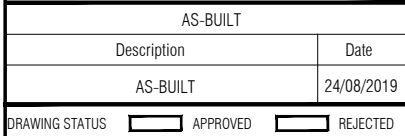
Consultant:
HOCHTIEF
INDIA

Supervision & Management Consultant:
ARMSTRONG

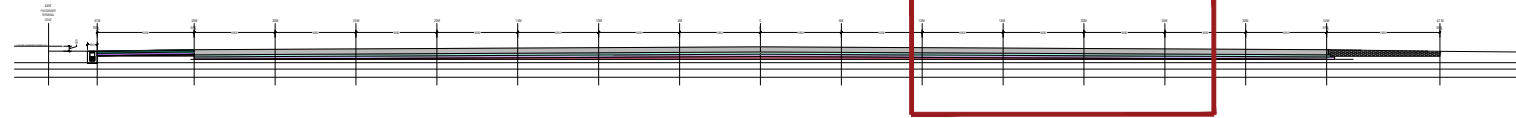
Issue: AB Date: AUG-2019 Pages: 31 of 43
Scale: 1:50 Paper: A3
DWG #: T1713-TOS-95300-CV-DW-0025

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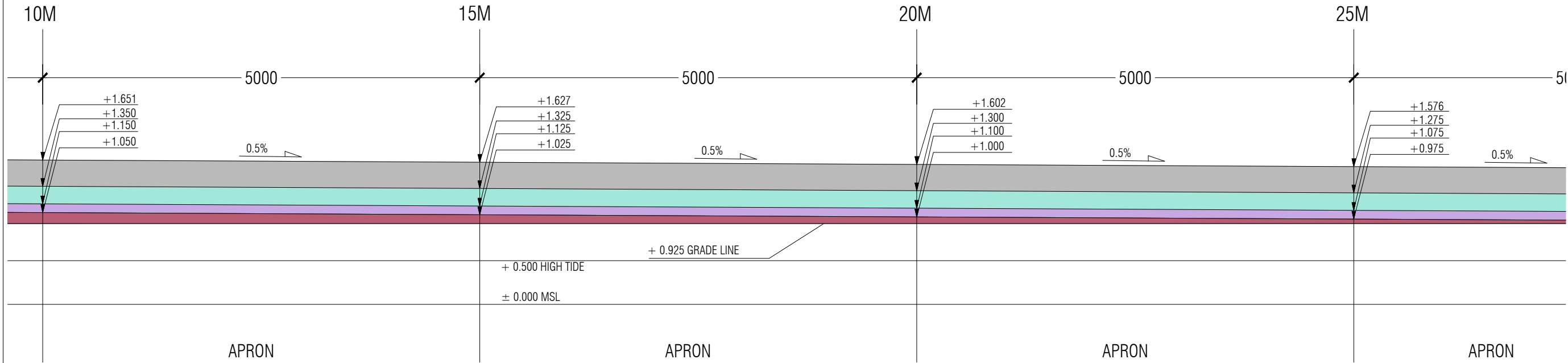
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DWG #: T1713-TOS-95300-CV-DW-0026



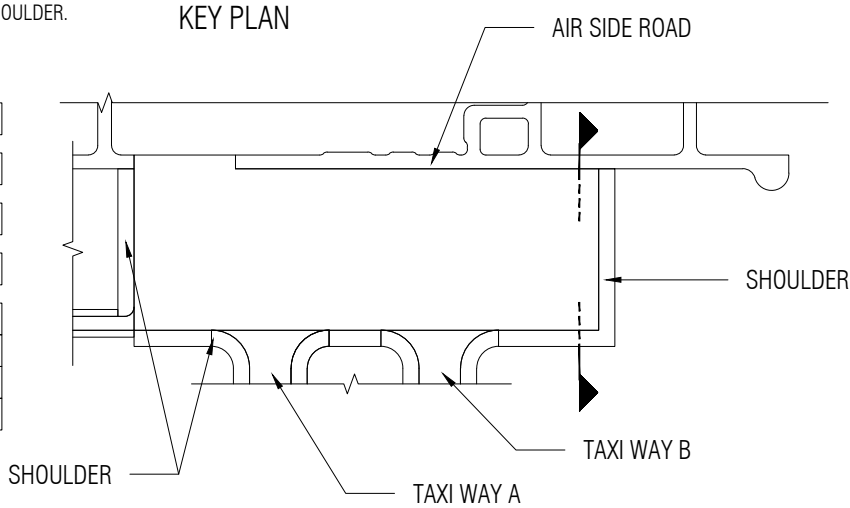
KEY CROSS-SECTION



NOTE: 1. FILLING DONE UPTO + 0.925 MSL ALL ALONG THE APRON
2. FILLING IN SHOULDER AREA UPTO + 1.120 MSL ALL ALONG THE SHOULDER.
3. COMPACTING IN THE SHOULDER AREA FROM + 1.120 MSL UPTO TOP LVL OF THE SHOULDER.
4. SUBBASE FOR APRON PAVEMENT STARTS FROM +0.925 MSL TO +1.100 MSL

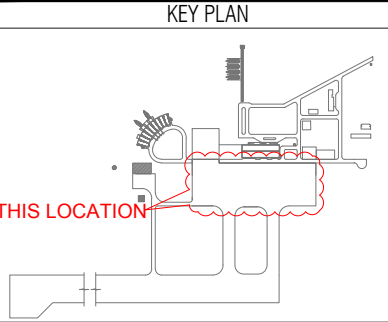
①	300MM THK PQC CONCRETE
②	200MM THK DRY LEAN CONCRETE
③	100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④	COMPACTED SUB GRADE CBR > 15%

NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	NOT REQUIRED
②	BASE COURSE	MINIMUM 200 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 400 MM SHALL BE PROVIDED TO BOTH SIDES



TYPICAL CROSS SECTION -4 OF APRON, AIRSIDE ROAD & SHOULDER

SCALE - 1:50



24-08-2019
S. ANADARAJ
CONSULTANT SIGNATURE
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES
DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-95300-CV-DW-0027
REV
A2

AS-BUILT
Description
AS-BUILT
Date
24/08/2019
DRAWING STATUS
APPROVED
REJECTED

N. MAAFARU AIRPORT
GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION -4 OF APRON, AIRSIDE ROAD & SHOULDER

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
TUFF

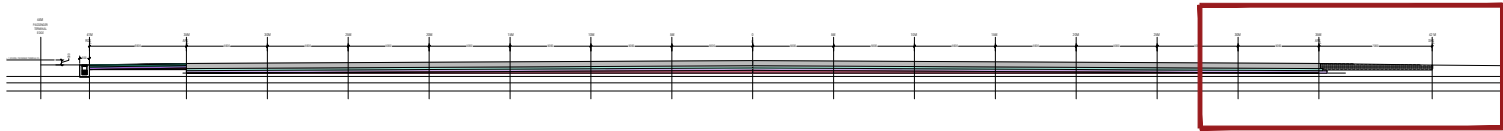
Consultant:
HOCHTIEF
INDIA

Supervision & Management Consultant:
ARMSTRONG

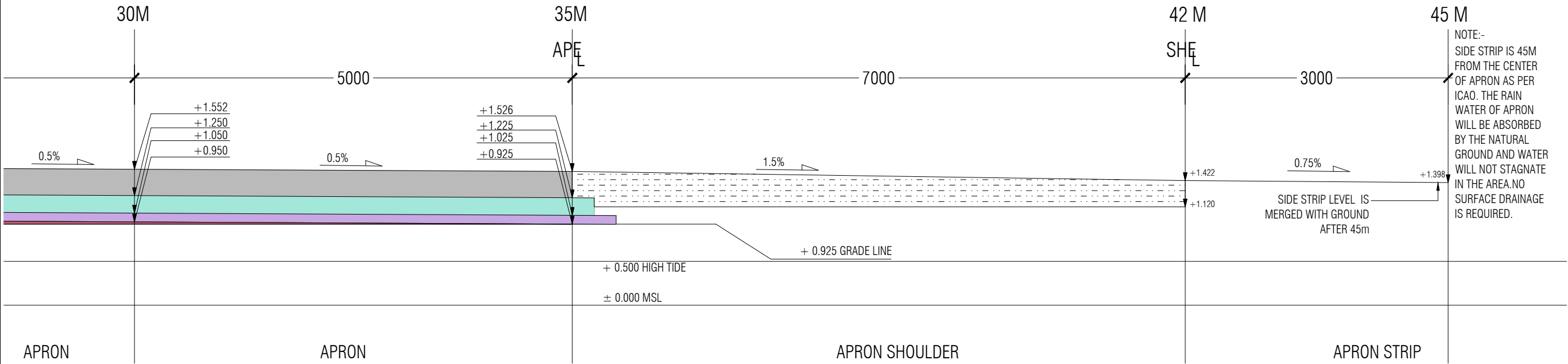
Issue: AB
Date: AUG-2019
Pages: 33 of 43

Scale: 1:50
Paper: A3

DWG #: T1713-TOS-95300-CV-DW-0027



KEY CROSS-SECTION

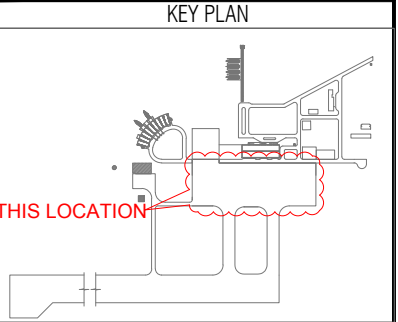
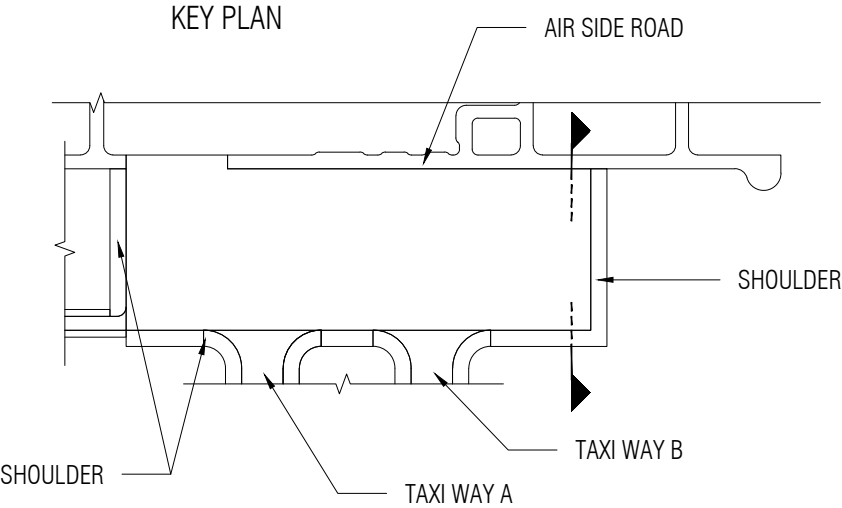


- NOTE: 1. FILLING DONE UPTO + 0.925 MSL ALL ALONG THE APRON
2. FILLING IN SHOULDER AREA UPTO + 1.120 MSL ALL ALONG THE SHOULDER.
3. COMPACTING IN THE SHOULDER AREA FROM + 1.120 MSL UPTO TOP LVL OF THE SHOULDER.
4. SUBBASE FOR APRON PAVEMENT STARTS FROM + 0.925 MSL TO + 1.100 MSL

①	300MM THK PQC CONCRETE
②	200MM THK DRY LEAN CONCRETE
③	100MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND) CBR > 30%
④	COMPACTED SUB GRADE CBR > 15%

NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	NOT REQUIRED
②	BASE COURSE	MINIMUM 200 MM SHALL BE PROVIDED TO BOTH SIDES
③	SUB BASE	MINIMUM 400 MM SHALL BE PROVIDED TO BOTH SIDES

TYPICAL CROSS SECTION -5 OF APRON, AIRSIDE ROAD & SHOULDER
SCALE - 1:50



S. ANADARAJ CONSULTANT SIGNATURE		24-08-2019 DATE
APPROVAL OF REGIONAL AIRPORT MALDIVES		DATE
REFERENCE CONSTRUCTION DRAWING NUMBER	REV	
T1713-TOS-95300-CV-DW-0028	A2	
AS-BUILT		
Description	Date	
AS-BUILT	24/08/2019	
DRAWING STATUS	<input type="checkbox"/> APPROVED	<input type="checkbox"/> REJECTED

N. MAAFARU AIRPORT
GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION -5 OF APRON, AIRSIDE ROAD & SHOULDER

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

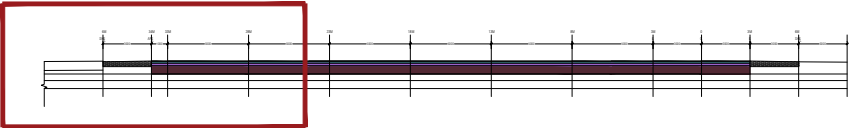
Funder:
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
TUFF

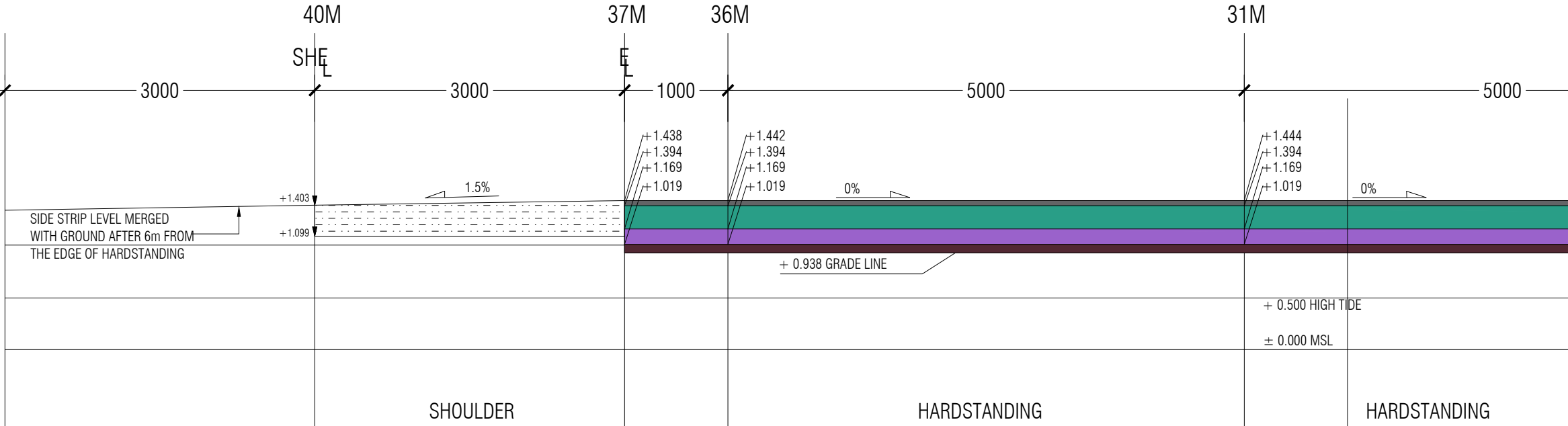
Consultant:
HOCHTIEF
INDIA

Supervision & Management Consultant:
ARMSTRONG

Issue: AB	Date: AUG-2019	Pages: 34 of 43
Scale: 1:50		Paper: A3
DWG #: T1713-TOS-95300-CV-DW-0028		



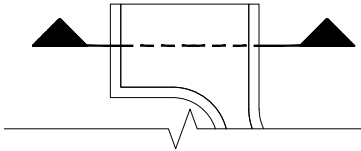
KEY CROSS-SECTION



- NOTE: 1. FILLING DONE UPTO +0.938 MSL ALL ALONG THE HARDSTANDING
2. SUBBASE FOR HARDSTANDING STARTS FROM +0.938 MSL TO +1.100 MSL
3. FILLING IN SHOULDER ON HARDSTANDING AREA UPTO +1.099 MSL.
4. COMPACTING IN THE SHOULDER ON HARDSTANDING AREA FROM +1.099 MSL UPTO TOP LVL OF THE SHOULDER.

①	50MM THK ASPHALT WEARING COURSE
②	225MM THK COMPACTED AGGREGATE BASE COURSE
③	150MM THK COMPACTED SUB BASE MATERIAL(DREDGED SAND) CBR > 30%
④	COMPACTED SUB GRADE CBR > 15%

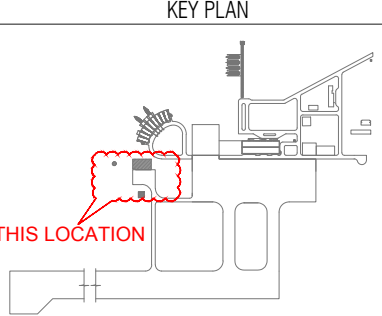
NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	NOT REQUIRED
②	BASE COURSE	NOT REQUIRED
③	SUB BASE COURSE	NOT REQUIRED



KEY PLAN

TYPICAL LONGITUDINAL SECTION -1 OF FIRE ROAD HARDSTANDING AREA

SCALE - 1:50



S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-55100-CV-DW-0001

REV
A2

AS-BUILT

Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT
GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL LONGITUDINAL SECTION -1 OF FIRE ROAD
HARDSTANDING AREA

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 TUFF

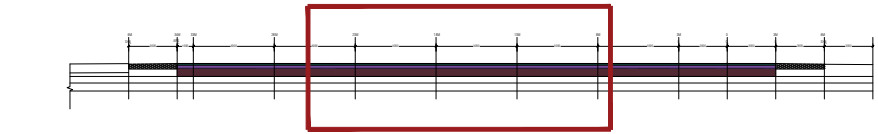
Consultant:
 HOCHTIEF
INDIA

Supervision & Management Consultant:
 ARMSTRONG

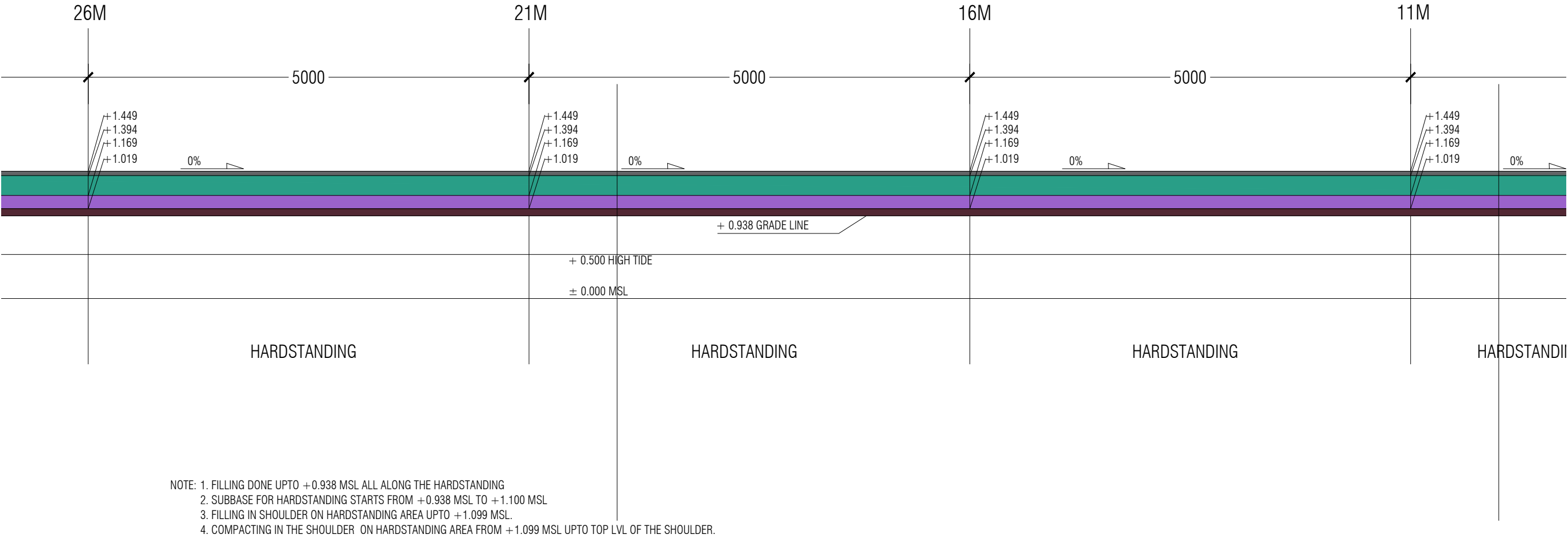
Issue: AB Date: AUG-2019 Pages: 35 of 43

Scale: 1:50 Paper: A3

DWG #: T1713-TOS-55100-CV-DW-0001



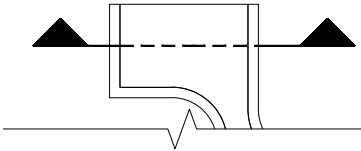
KEY CROSS-SECTION



NOTE: 1. FILLING DONE UPTO +0.938 MSL ALL ALONG THE HARDSTANDING
2. SUBBASE FOR HARDSTANDING STARTS FROM +0.938 MSL TO +1.100 MSL
3. FILLING IN SHOULDER ON HARDSTANDING AREA UPTO +1.099 MSL.
4. COMPACTING IN THE SHOULDER ON HARDSTANDING AREA FROM +1.099 MSL UPTO TOP LVL OF THE SHOULDER.

①	50MM THK ASPHALT WEARING COURSE	
②	225MM THK COMPACTED AGGREGATE BASE COURSE	
③	150MM THK COMPACTED SUB BASE MATERIAL (DREDGED SAND)	CBR > 30%
④	COMPACTED SUB GRADE	CBR > 15%

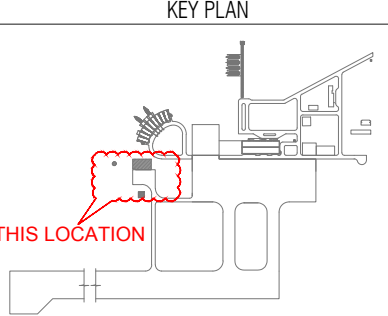
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①	WEARING COURSE	NOT REQUIRED
②	BASE COURSE	NOT REQUIRED
③	SUB BASE COURSE	NOT REQUIRED



KEY PLAN

TYPICAL LONGITUDINAL SECTION -2 OF FIRE ROAD HARDSTANDING AREA

SCALE - 1:50



S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-55100-CV-DW-0002

REV
A2

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL LONGITUDINAL SECTION -2 OF FIRE ROAD
HARDSTANDING AREA

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 TUFF

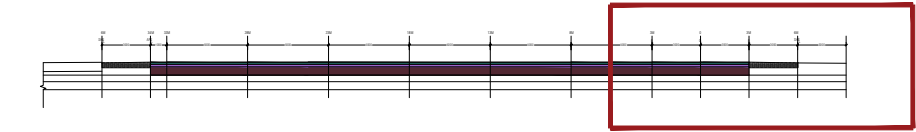
Consultant:
 HOCHTIEF
INDIA

Supervision & Management Consultant:
 ARMSTRONG

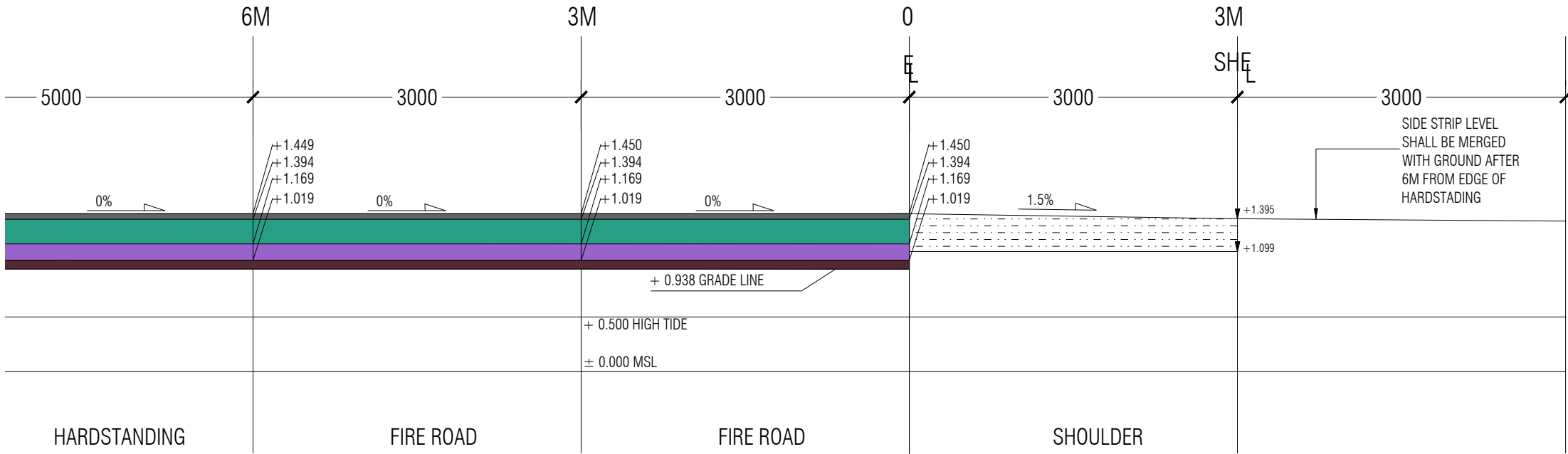
Issue: AB Date: AUG-2019 Pages: 36 of 43

Scale: 1:50 Paper: A3

DWG #: T1713-TOS-55100-CV-DW-0002



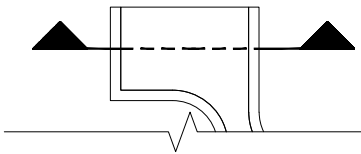
KEY CROSS-SECTION



- NOTE: 1. FILLING DONE UPTO +0.938 MSL ALL ALONG THE HARDSTANDING
2. SUBBASE FOR HARDSTANDING STARTS FROM +0.938 MSL TO +1.100 MSL
3. FILLING IN SHOULDER ON HARDSTANDING AREA UPTO +1.099 MSL.
4. COMPACTING IN THE SHOULDER ON HARDSTANDING AREA FROM +1.099 MSL UPTO TOP LVL OF THE SHOULDER.

①	50MM THK ASPHALT WEARING COURSE
②	225MM THK COMPACTED AGGREGATE BASE COURSE
③	150MM THK COMPACTED SUB BASE MATERIAL(DREDGED SAND) CBR > 30%
④	COMPACTED SUB GRADE CBR > 15%

NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	NOT REQUIRED
②	BASE COURSE	NOT REQUIRED
③	SUB BASE COURSE	NOT REQUIRED



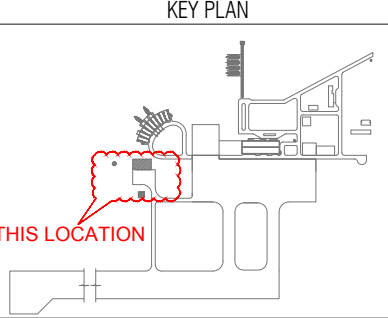
KEY PLAN

TYPICAL LONGITUDINAL SECTION - 3 OF FIRE ROAD HARDSTANDING AREA

SCALE - 1:50



NOTE:-
SIDE STRIP IS 6 M FROM THE
EDGE HARDSTANDING AS PER
ICAO. THE RAIN WATER OF
HARDSTANDING WILL BE
ABSORBED BY THE NATURAL
GROUND AND WATER WILL NOT
STAGNATE IN THE AREA.NO
SURFACE DRAINAGE IS
REQUIRED.



S. ANADARAJ CONSULTANT SIGNATURE		24-08-2019 DATE
APPROVAL OF REGIONAL AIRPORT MALDIVES		DATE
REFERENCE CONSTRUCTION DRAWING NUMBER	REV	
T1713-TOS-55100-CV-DW-0003	A2	
AS-BUILT		
Description	Date	
AS-BUILT	24/08/2019	
DRAWING STATUS	APPROVED	REJECTED

N. MAAFARU AIRPORT
GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL LONGITUDINAL SECTION -3 OF FIRE ROAD
HARDSTANDING AREA

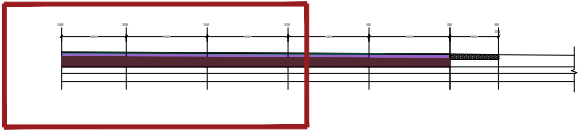
Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:
صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

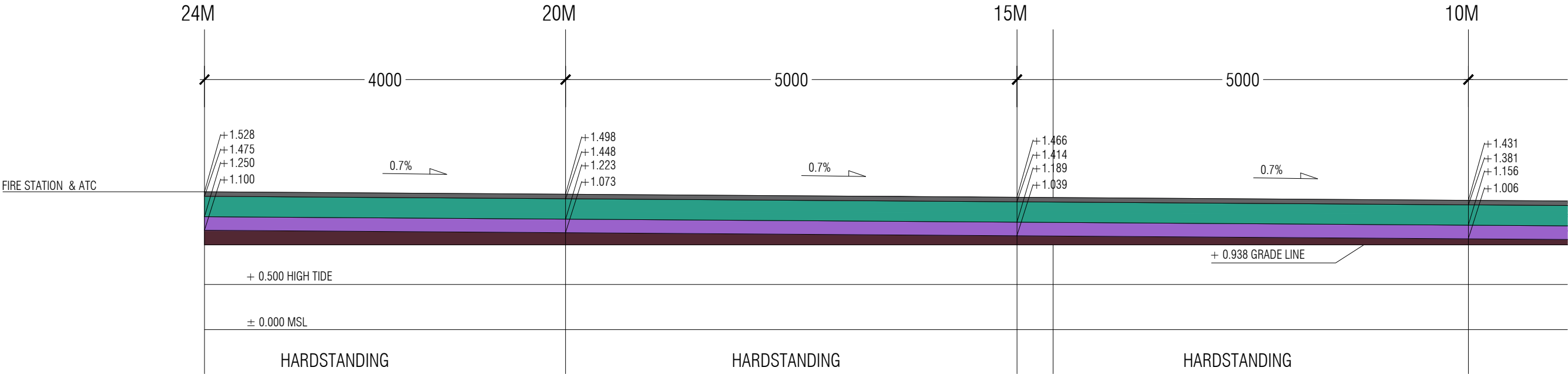
Contractor:
TUFF

Consultant:
HOCHTIEF
INDIA

Supervision & Management Consultant:
ARMSTRONG



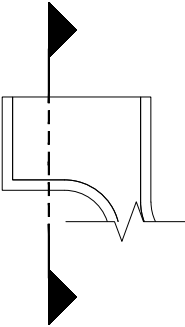
KEY CROSS-SECTION



NOTE: 1. FILLING SHOULD BE DONE UPTO +0.938 MSL ALL ALONG THE HARDSTANDING
2. SUBBASE FOR HARDSTANDING STARTS FROM +0.938 MSL TO +1.100 MSL
3. FILLING IN SHOULDER ON HARDSTANDING AREA UPTO +1.018 MSL.
4. COMPACTING IN THE SHOULDER ON HARDSTANDING AREA FROM +1.018 MSL UPTO TOP LVL OF THE SHOULDER.

①	50MM THK ASPHALT WEARING COURSE
②	225MM THK COMPACTED AGGREGATE BASE COURSE
③	150MM THK COMPACTED SUB BASE MATERIAL(DREDGED SAND) CBR > 30%
④	COMPACTED SUB GRADE CBR > 15%

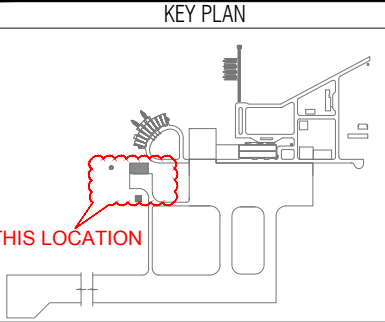
NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	NOT REQUIRED
②	BASE COURSE	NOT REQUIRED
③	SUB BASE COURSE	NOT REQUIRED



KEY PLAN

TYPICAL CROSS SECTION - 1 OF HARDSTANDING AREA TO FIRE STATION

SCALE - 1:50



S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-55100-CV-DW-0004

REV
A2

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION - 1 OF HARDSTANDING
AREA TO FIRE STATION

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 **TUFF**

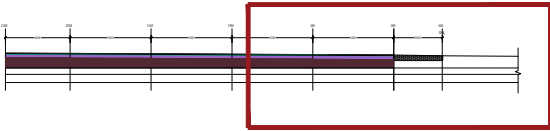
Consultant:
 **HOCHTIEF**
INDIA

Supervision & Management Consultant:
 **ARMSTRONG**

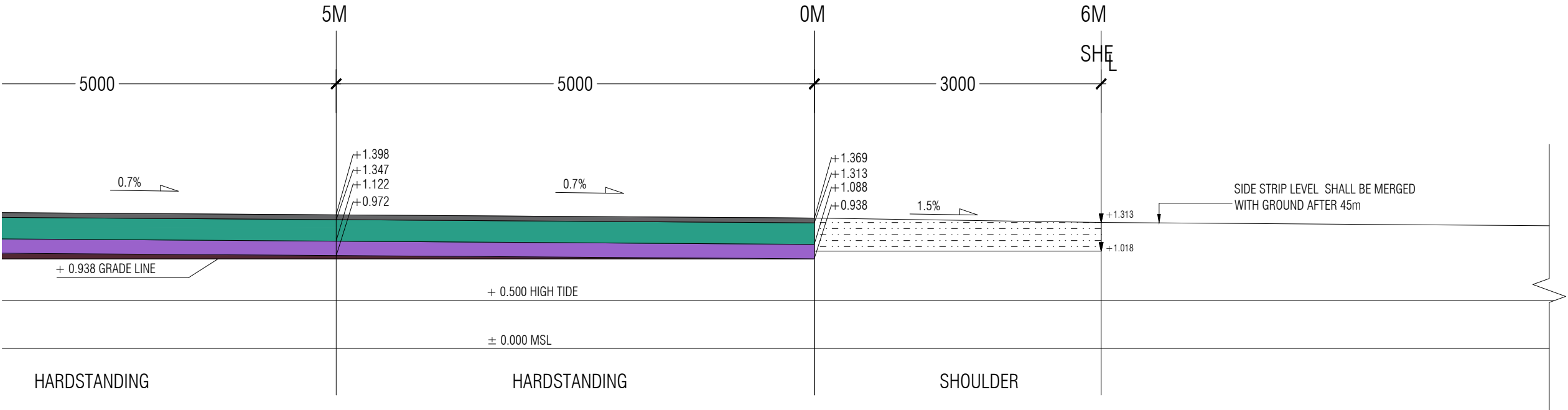
Issue: AB Date: AUG-2019 Pages: 38 of 43

Scale: 1:50 Paper: A3

DWG #: T1713-TOS-55100-CV-DW-0004



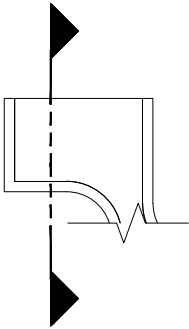
KEY CROSS-SECTION



NOTE: 1. FILLING SHOULD BE DONE UPTO +0.938 MSL ALL ALONG THE HARDSTANDING
2. SUBBASE FOR HARDSTANDING STARTS FROM +0.938 MSL TO +1.100 MSL
3. FILLING IN SHOULDER ON HARDSTANDING AREA UPTO +1.018 MSL.
4. COMPACTING IN THE SHOULDER ON HARDSTANDING AREA FROM +1.018 MSL UPTO TOP LVL OF THE SHOULDER.

①	50MM THK ASPHALT WEARING COURSE
②	225MM THK COMPACTED AGGREGATE BASE COURSE
③	150MM THK COMPACTED SUB BASE MATERIAL(DREDGED SAND) CBR > 30%
④	COMPACTED SUB GRADE CBR > 15%

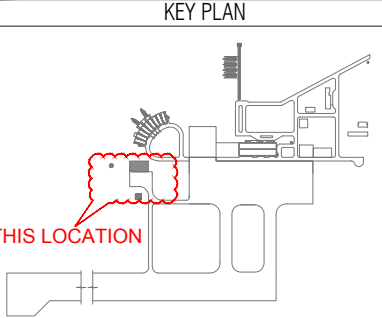
NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	NOT REQUIRED
②	BASE COURSE	NOT REQUIRED
③	SUB BASE COURSE	NOT REQUIRED



KEY PLAN

TYPICAL CROSS SECTION - 2 OF HARDSTANDING AREA TO FIRE STATION

SCALE - 1:50



24-08-2019
S. ANADARAJ
CONSULTANT SIGNATURE
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES
DATE

REFERENCE CONSTRUCTION DRAWING NUMBER	REV
T1713-TOS-55100-CV-DW-0005	A2

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION - 2 OF HARDSTANDING
AREA TO FIRE STATION

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 **TUFF**

Consultant:
 **HOCHTIEF**
INDIA

Supervision & Management Consultant:
 **ARMSTRONG**

Issue: AB Date: AUG-2019 Pages: 39 of 43

Scale: 1:50 Paper: A3

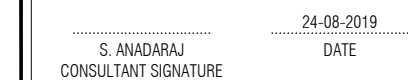
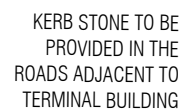
DWG #: T1713-TOS-55100-CV-DW-0005



①		50MM THK ASPHALT WEARING COURSE	
②		225MM THK COMPACTED AGGREGATE BASE COURSE	
③		150MM THK COMPACTED SUB BASE MATERIAL(DREDGED SAND)	CBR > 30%
④		COMPACTED SUB GRADE	CBR > 15%

NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	NOT REQUIRED
②	BASE COURSE	NOT REQUIRED
③	SUB BASE COURSE	NOT REQUIRED

A horizontal bar representing a 5m length, divided into four segments of 1m, 2m, 3m, and 5m.



REFERENCE CONSTRUCTION DRAWING NUMBER	REV
T1713-TOS-55100-CV-DW-0006	A2

DRAWING STATUS ☐ APPROVED ☐ REJECTED

TYPICAL CROSS SECTION OF AIRSIDE ROAD
(NEAR VIP TERMINAL)

REGIONAL AIRPORTS
MINISTRY OF TOURISM



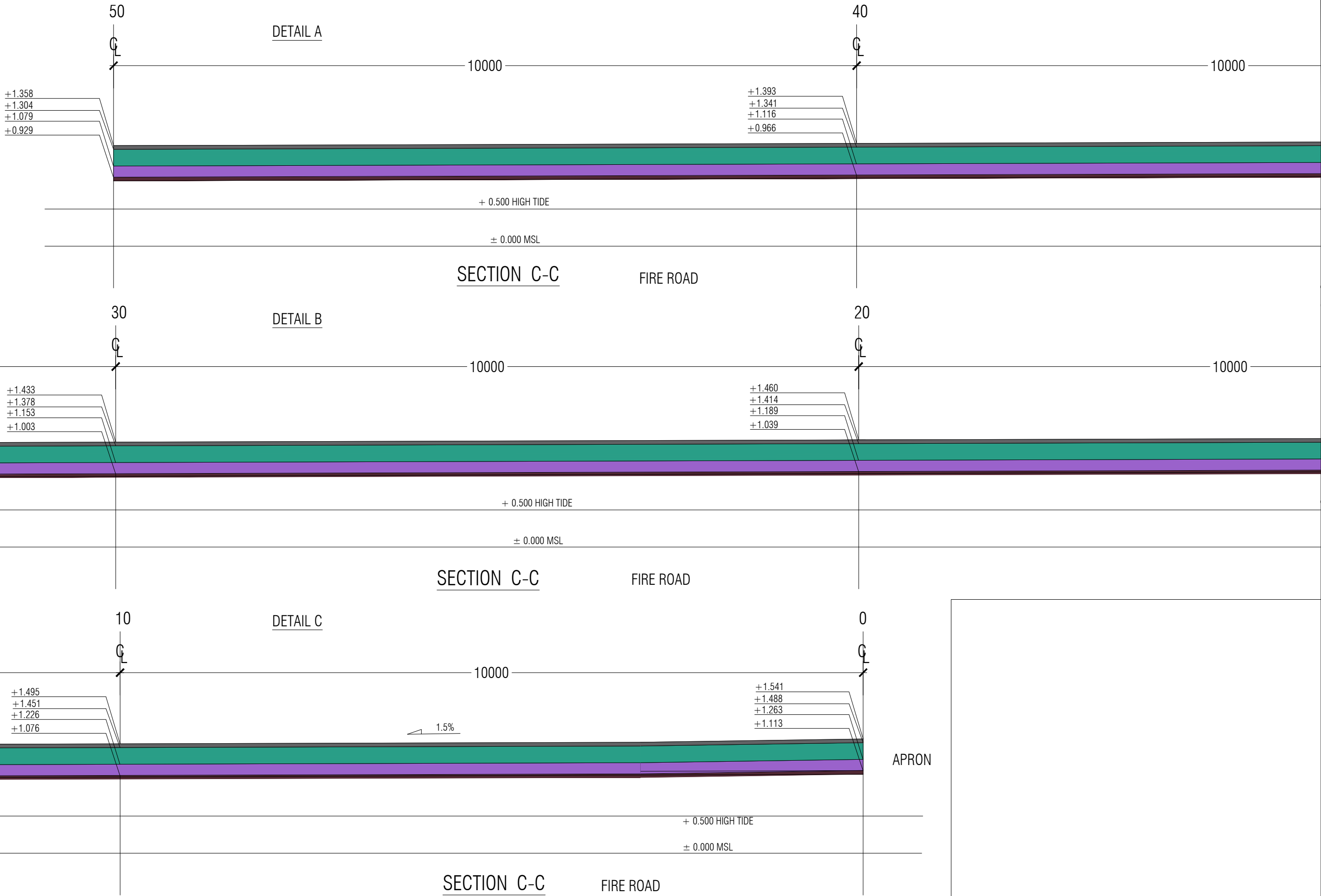
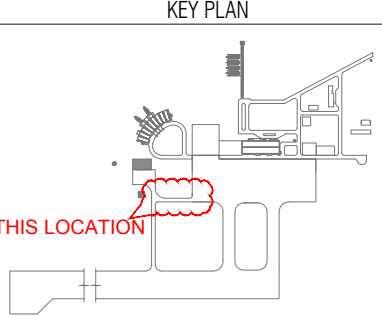
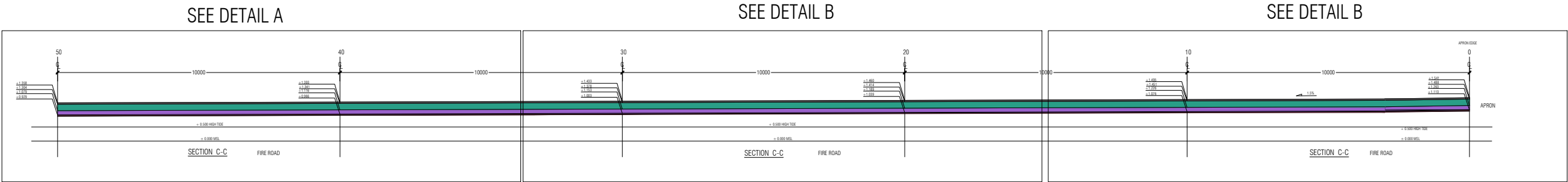
صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT



TUFF



DWG #: T1713-TOS-55100-CV-DW-0006



S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER

REV

T1713-TOS-55100-CV-DW-0007-A

A2

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS

APPROVED

REJECTED

N. MAAFARU AIRPORT
GENERAL CROSS SECTIONS

Drawing Title:

SECTION DETAILS

Employer:

REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

ABU DHABI FUND FOR DEVELOPMENT

Contractor:

TUFF

Consultant:

HOCHTIEF
INDIA

Supervision & Management Consultant:

ARMSTRONG

Issue: AB

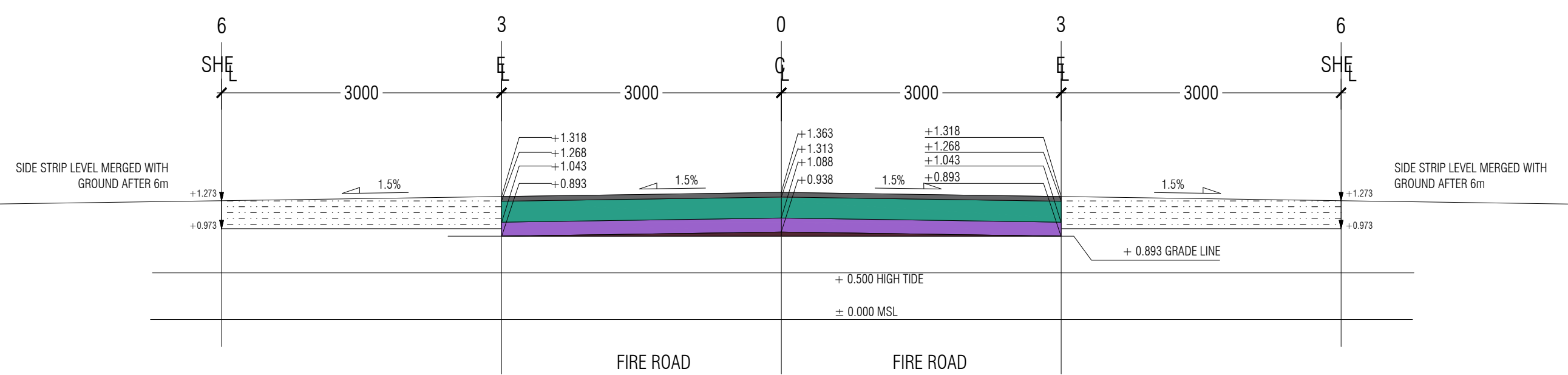
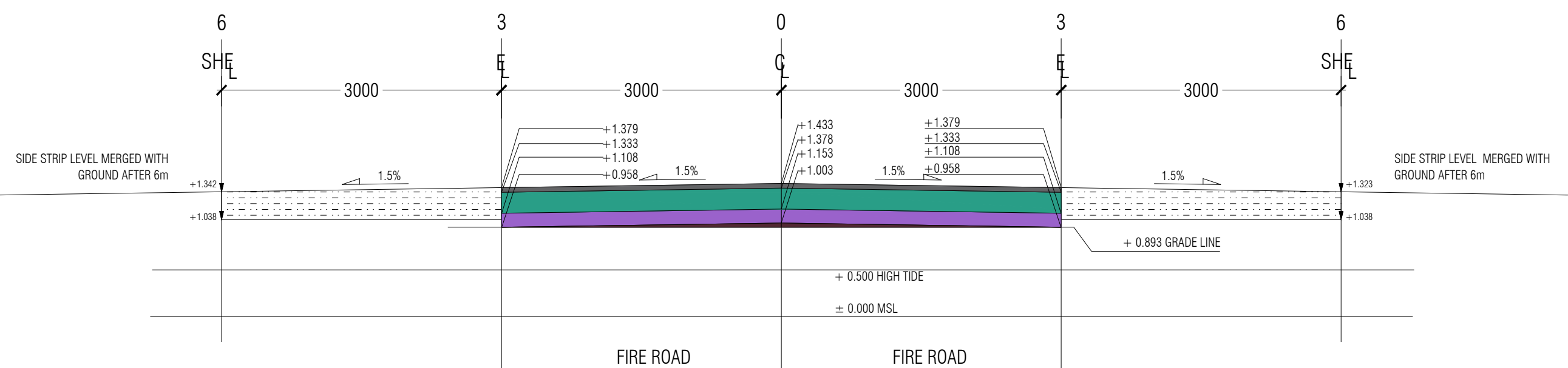
Date: AUG-2019

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Scale: 1:50

Paper: A3

DWG #: T1713-TOS-55100-CV-DW-0007-A



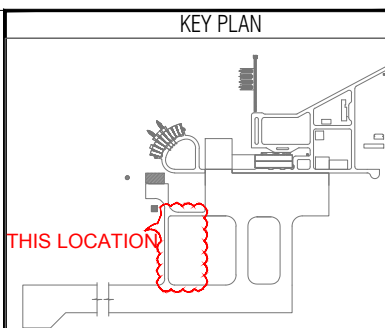
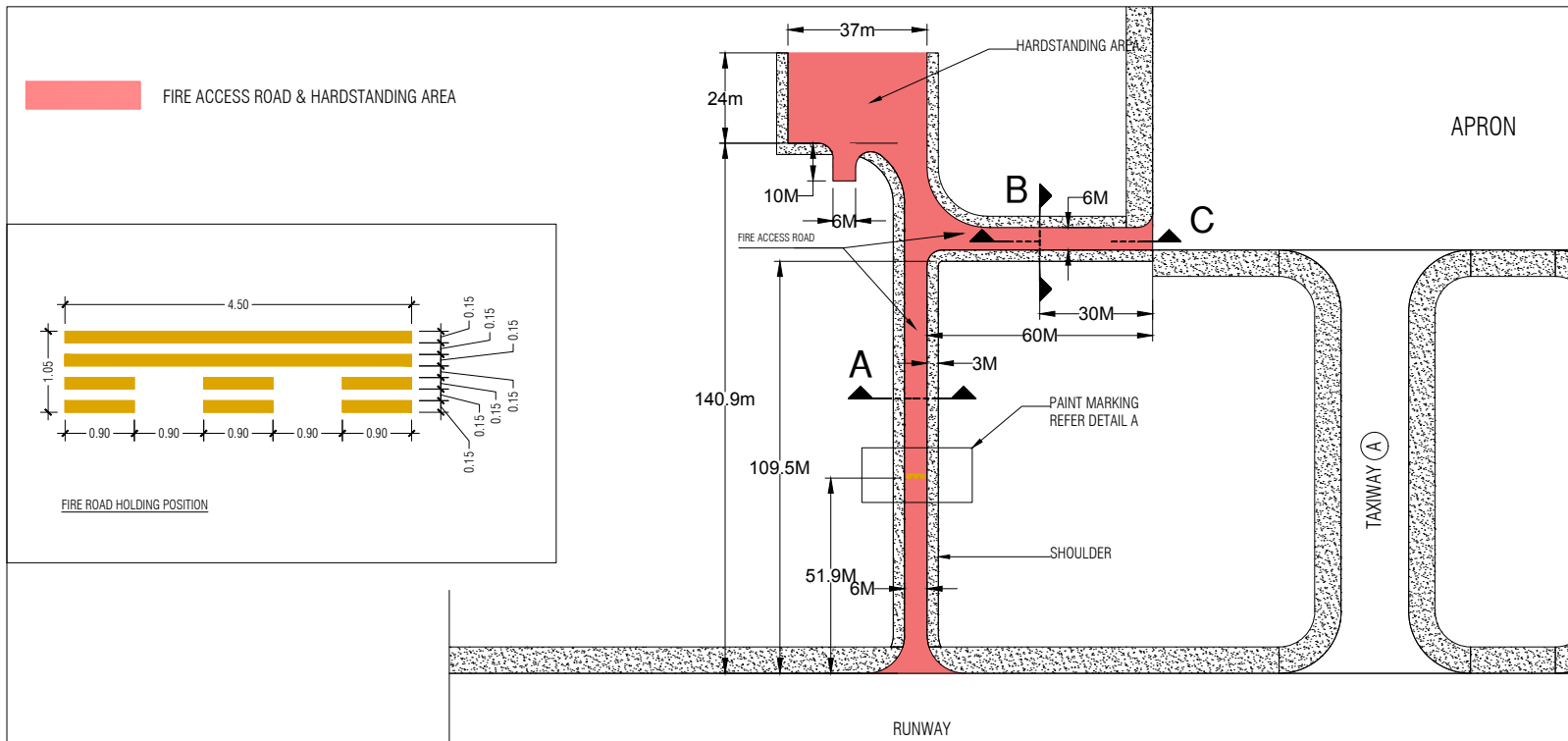
NOTE: 1. FILLING DONE UPTO + 0.893 MSL ALL ALONG THE FIRE ROAD
2. FILLING IN SHOULDER AREA UPTO +0.973 MSL ALL ALONG THE FIRE ROAD SHOULDER.
3. COMPACTING IN THE SHOULDER AREA FROM +0.973 MSL UPTO TOP LVL OF THE SHOULDER.
4. SUBBASE FOR FIRE ROAD STARTS FROM +0.893 MSL TO +0.938 MSL

①	50MM THK ASPHALT WEARING COURSE
②	225MM THK COMPACTED AGGREGATE BASE COURSE
③	150MM THK COMPACTED SUB BASE MATERIAL(DREDGED SAND) CBR > 30%
④	COMPACTED SUB GRADE CBR > 15%

NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	NOT REQUIRED
②	BASE COURSE	NOT REQUIRED
③	SUB BASE COURSE	NOT REQUIRED

TYPICAL CROSS SECTION OF FIRE ACCESS ROAD

SCALE - 1:50



S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

APPROVAL OF REGIONAL AIRPORT
MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER	REV
T1713-TOS-55100-CV-DW-0007	A2

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
FIRE ACCESS ROAD

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 **TUFF**

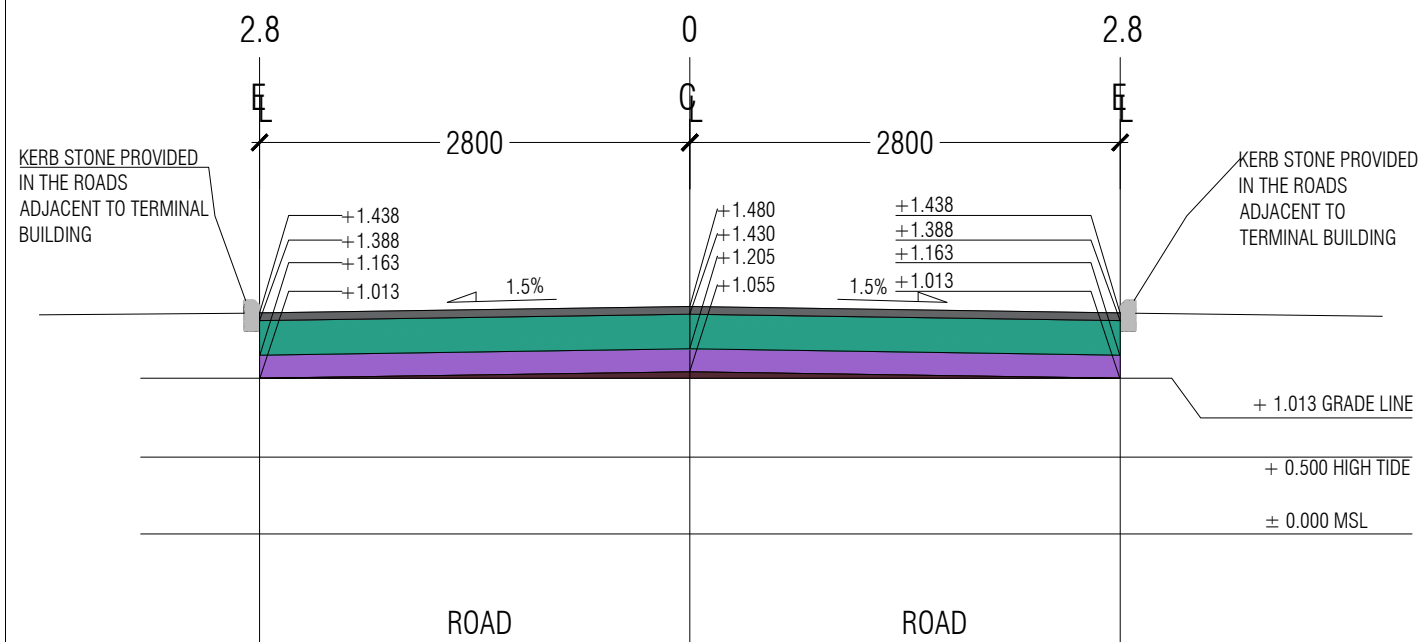
Consultant:
 **HOCHTIEF**
INDIA

Supervision & Management Consultant:
 **ARMSTRONG**

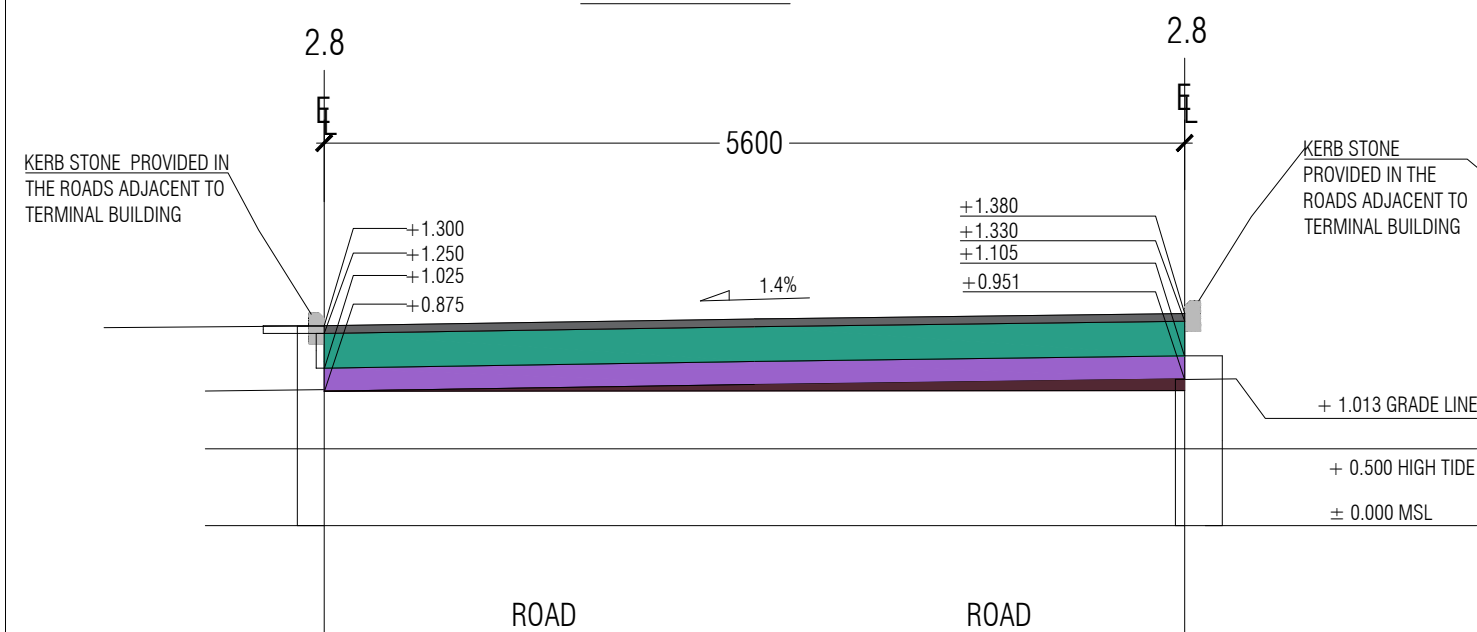
Issue: AB Date: AUG-2019 Pages: 42 of 43

Scale: 1:50 Paper: A3

DWG #: T1713-TOS-55100-CV-DW-0007



SECTION B-B



SECTION A-A

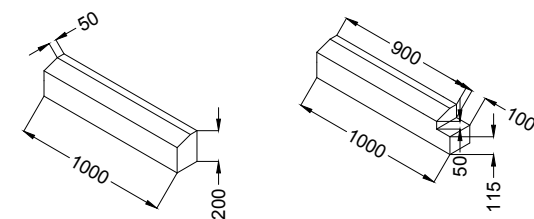
NOTE: 1. FILLING SHOULD BE DONE UPTO +1.013 MSL ALL ALONG THE ROAD
2. SUBBASE FOR ROAD PAVEMENT STARTS FROM +1.013 MSL TO +1.055 MSL

①	50MM THK ASPHALT WEARING COURSE
②	225MM THK COMPACTED AGGREGATE BASE COURSE
③	150MM THK COMPACTED SUB BASE MATERIAL(DREDGED SAND) CBR > 30%
④	COMPACTED SUB GRADE CBR > 15%

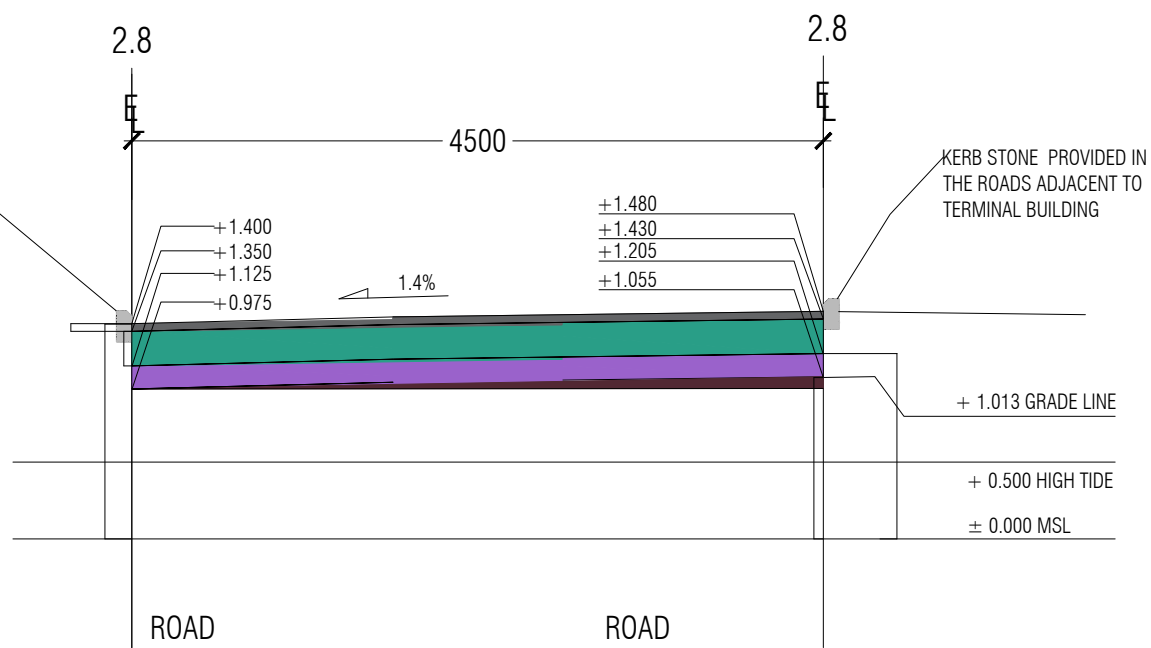
NO	LAYERS	EDGE PROTECTION
①	WEARING COURSE	NOT REQUIRED
②	BASE COURSE	NOT REQUIRED
③	SUB BASE COURSE	NOT REQUIRED

TYPICAL CROSS SECTION OF LANDSIDE ROADS

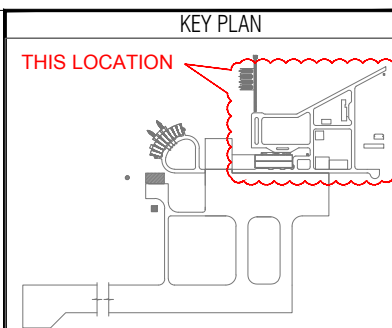
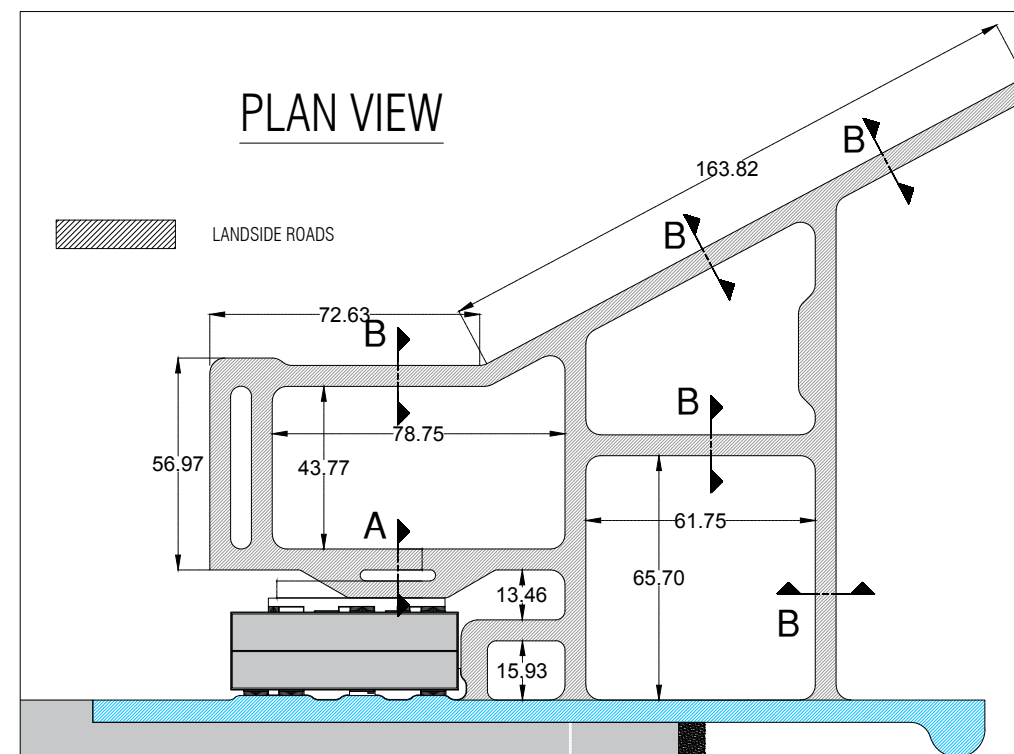
SCALE - 1:50



KERB STONE DETAIL



PLAN VIEW



24-08-2019
DATE
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APPROVAL OF REGIONAL AIRPORT
MALDIVES
DATE

REFERENCE CONSTRUCTION DRAWING NUMBER
T1713-TOS-55100-CV-DW-0008
REV
A2

AS-BUILT
Description
Date
AS-BUILT
24/08/2019

DRAWING STATUS
APPROVED
REJECTED

N. MAAFARU AIRPORT GENERAL CROSS SECTIONS

Drawing Title:
TYPICAL CROSS SECTION OF
LANDSIDE ROADS

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:
سندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
TUFF

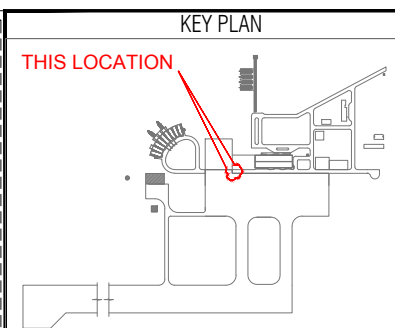
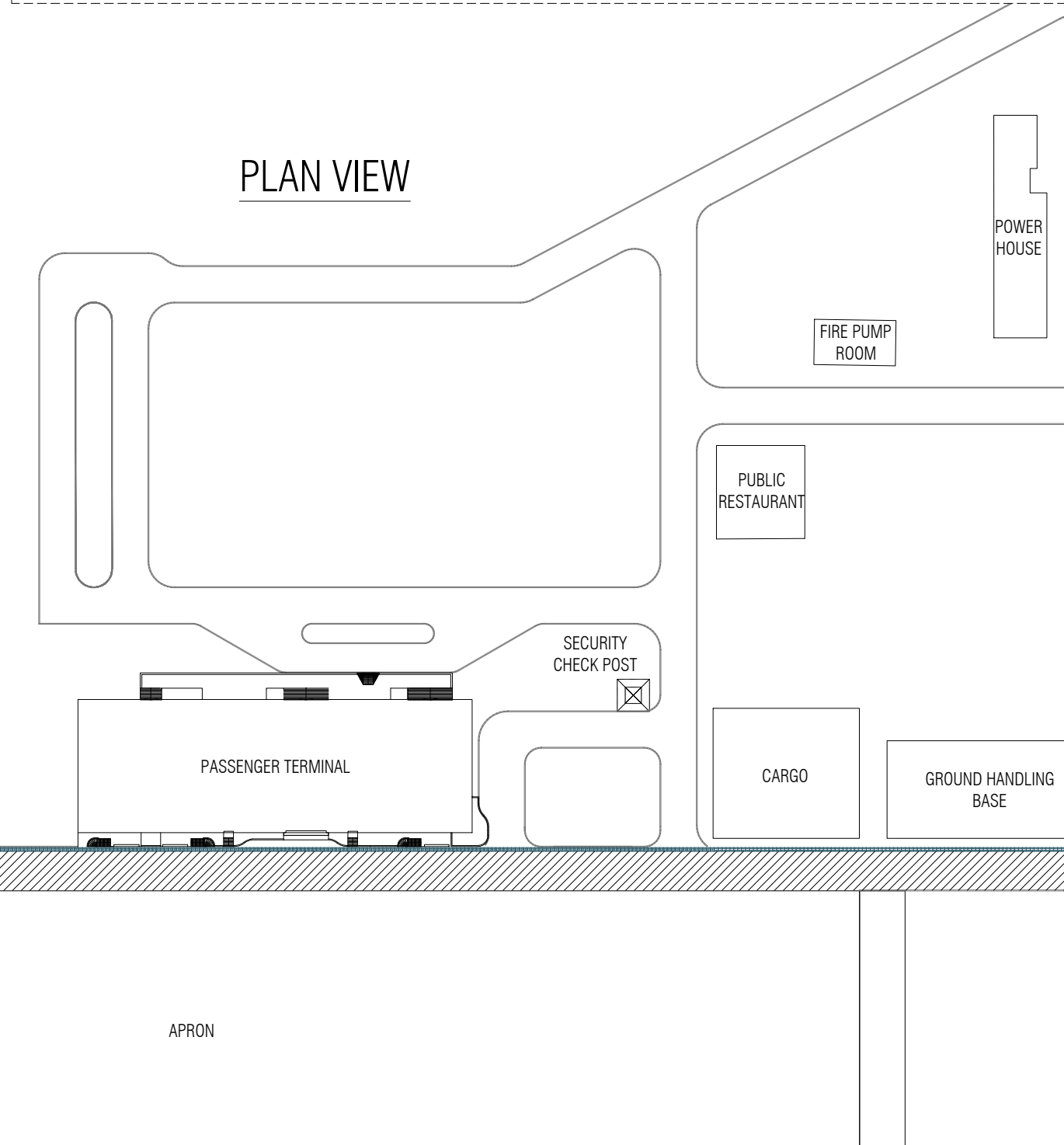
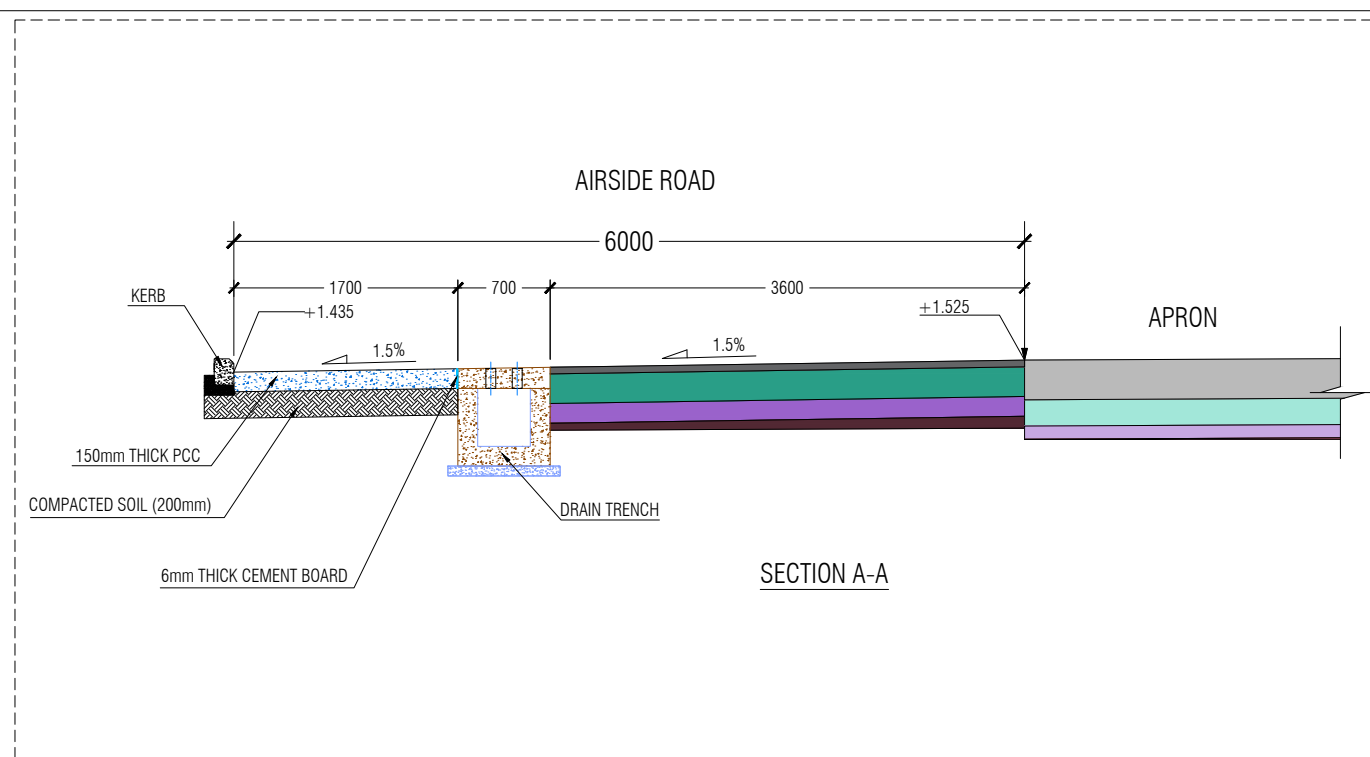
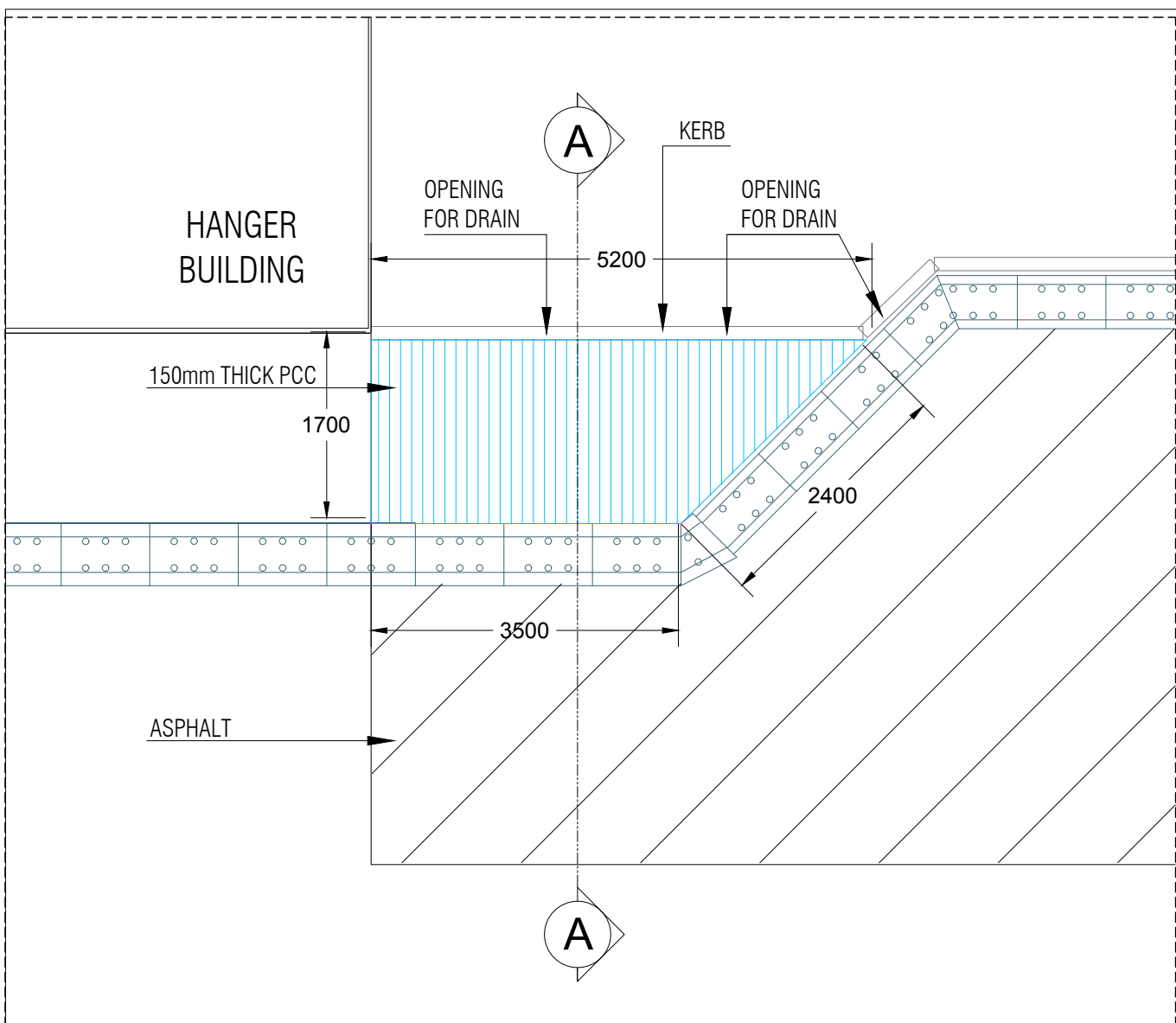
Consultant:
HOCHTIEF
INDIA

Supervision & Management Consultant:
ARMSTRONG

Issue: AB
Date: AUG-2019
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Paper: A3

DWG #: T1713-TOS-55100-CV-DW-0008



S. ANADARAJ CONSULTANT SIGNATURE		24-08-2019 DATE
APPROVAL OF REGIONAL AIRPORT MALDIVES		DATE
REFERENCE CONSTRUCTION DRAWING NUMBER	REV	
T1713-TOS-55100-CV-DW-0015	AO	

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019
DRAWING STATUS	APPROVED
	REJECTED

N. MAAFARU AIRPORT	
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Drawing Title:	DETAIL OF CASTING CONCRETE ON THE AIRSIDE ROAD
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Employer:	REGIONAL AIRPORTS MINISTRY OF TOURISM
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Funder:	 صندوق أبوظبي للتنمية ABU DHABI FUND FOR DEVELOPMENT
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Contractor:	 TUFF
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Consultant:	 HOCHTIEF INDIA
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Supervision & Management Consultant:	 ARMSTRONG
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Issue: AB	Date: AUG-2019	Pages: 01 of 02
Scale: N.T.S		Paper: A3
DWG #: T1713-TOS-55100-CV-DW-0015		

GENERAL NOTES

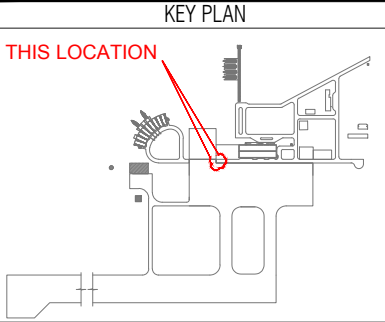
- ALL STRUCTURAL DRAWINGS READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND SERVICE DRAWINGS, SPECIFICATIONS AND WRITTEN INSTRUCTIONS IF ISSUED DURING THE COURSE OF THE CONTRACT. ALL DISCREPANCIES SHALL BE REFERRED FOR DECISION BEFORE PROCEEDING WITH THE WORK.
- THE DRAWINGS NOT SCALED. ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF-SITE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION AND FABRICATION IS COMMENCED.
- WORKMANSHIP AND MATERIALS IN ACCORDANCE WITH THE RELEVANT RECENT BS CODES (BS 8000) OR OTHER ACCEPTABLE STANDARDS.
- THE REINFORCED CONCRETE DESIGN IS BASED ON BS 8110 - STRUCTURAL USE OF CONCRETE
- ALL FOUNDATIONS HAS BEEN DESIGNED FOR SAFE GROUND PRESSURE OF 75 KN/m2

CONCRETE

- ALL INSITU STRUCTURAL CONCRETE HAVE MINIMUM 28 DAYS CUBE STRENGTH OF 25 N/mm2 TO THE RELEVANT CLAUSES OF BS5328.
 - ALL PLAIN CONCRETE (OR BLINDING) HAVE MINIMUM 28 DAYS CUBE STRENGTH OF 15 N/mm2 (EQUIVALENT CYLINDER STRENGTH, FC = 12 N/mm2), TO THE RELEVANT CLAUSES OF BS538.
- SULPHATE RESISTING CEMENT USED FOR ALL CONCRETE IN CONTACT WITH SALT WATER.
- NO OPENINGS, HOLES, CHASES OR EMBEDMENT OF PIPES OTHER THAN THOSE IN THE STRUCTURAL DRAWINGS MADE IN CONCRETE MEMBERS WITHOUT PRIOR APPROVAL
- CONSTRUCTION AND EXPANSION JOINTS ARE PROPERLY FORMED AND USED ONLY WHERE SHOWN OR SPECIFICALLY APPROVED.
- NO ELECTRICAL CONDUIT AND PIPES ARE CAST IN COLUMNS OR THROUGH BEAMS WITHOUT PRIOR APPROVAL UNLESS OTHERWISE SHOWN IN THE DRAWINGS
- BITUMINOUS WATERPROOFING PAINT APPLIED TO ALL CONCRETE SURFACES BELOW GROUND AND 300MM ABOVE GROUND
- SHEAR KEY PROVIDED AT ALL CONSTRUCTION JOINTS.
- ALL UNDERWATER CONCRETING USED ANTI WASHOUT ADMIXTURE
- ALL CONCRETE NEAR OR AROUND SPLASH ZONE USED CORROSION INHIBITING ADMIXTURE AS ACCEPTED.
- ALL EXPOSED CONCRETE SURFACES IN WATER APPLIED WE EPOXY BASED PROTECTION COATINGS AS ACCEPTED.

SOIL COMPACTION

- 200mm LAYER BY LAYER SOIL COMPACTION.



S. ANADARAJ
CONSULTANT SIGNATURE

24-08-2019
DATE

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MALDIVES

DATE

REFERENCE CONSTRUCTION DRAWING NUMBER	REV
T1713-TOS-55100 -CV-DW-0015	A0

AS-BUILT	
Description	Date
AS-BUILT	24/08/2019

DRAWING STATUS ☒ APPROVED ☐ REJECTED

N. MAAFARU AIRPORT

Drawing Title:
DETAIL OF CASTING CONCRETE ON THE
AIRSIDE ROAD

Employer:
REGIONAL AIRPORTS
MINISTRY OF TOURISM

Funder:

صندوق أبوظبي للتنمية
ABU DHABI FUND FOR DEVELOPMENT

Contractor:
 **TUFF**

Consultant:


Supervision & Management Consultant:


Issue: AB	Date: AUG-2019	Pages: 02 of 02
Scale: N.T.S		Paper: A3
DWG #: T1713-TOS-55100 -CV-DW-0015		