

Appendix 10.3 Design Drawings
(Taxiway and Apron)

(Intentionally Blank)

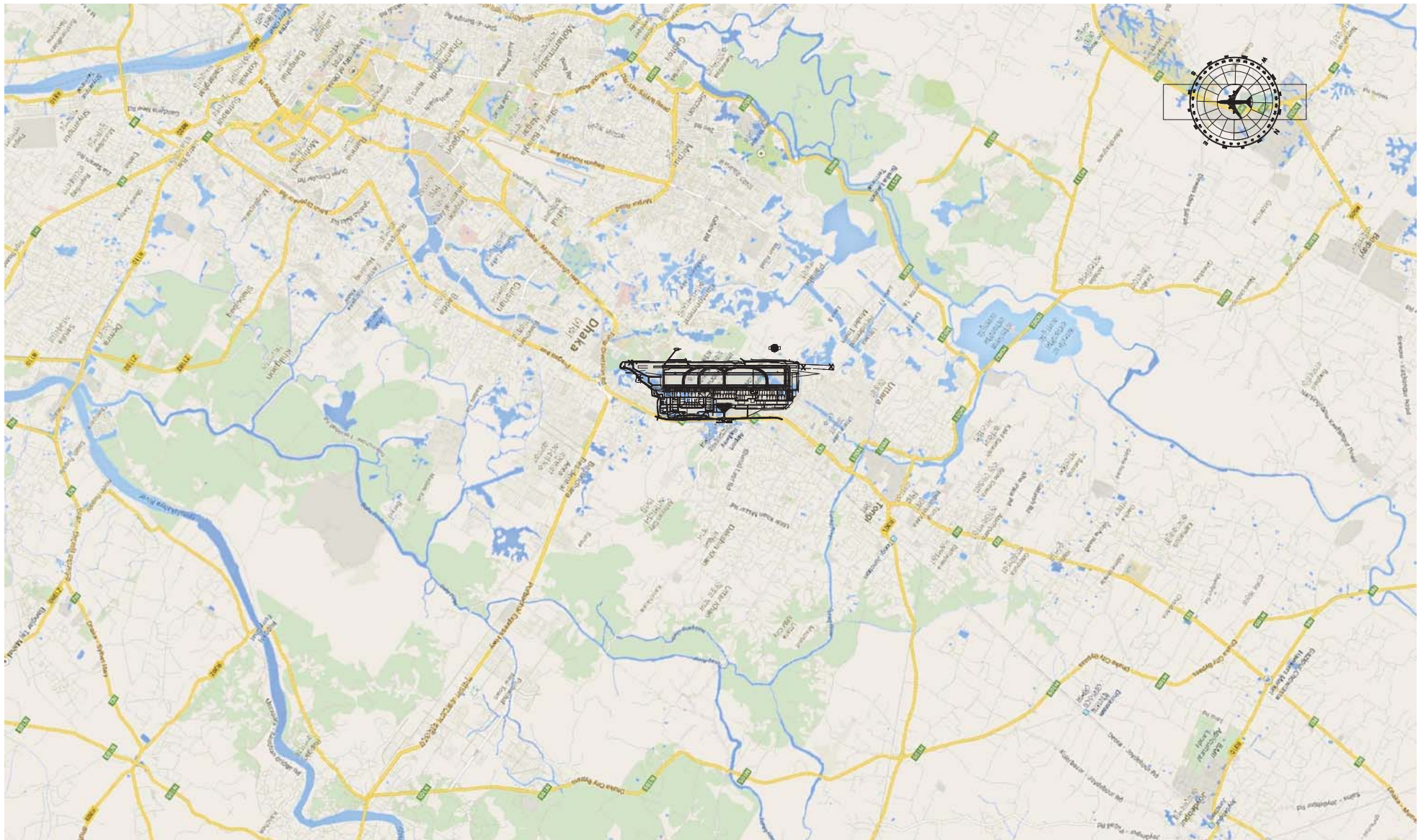
**PREPARATELY SURVEY
OF
EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT**

**DRAWINGS
T5 RAPID EXIT TAXIWAY
T10 TAXIWAY
T12 TAXIWAY
PASSENGER APRON**

January 2017


Nippon Koei Co., Ltd.

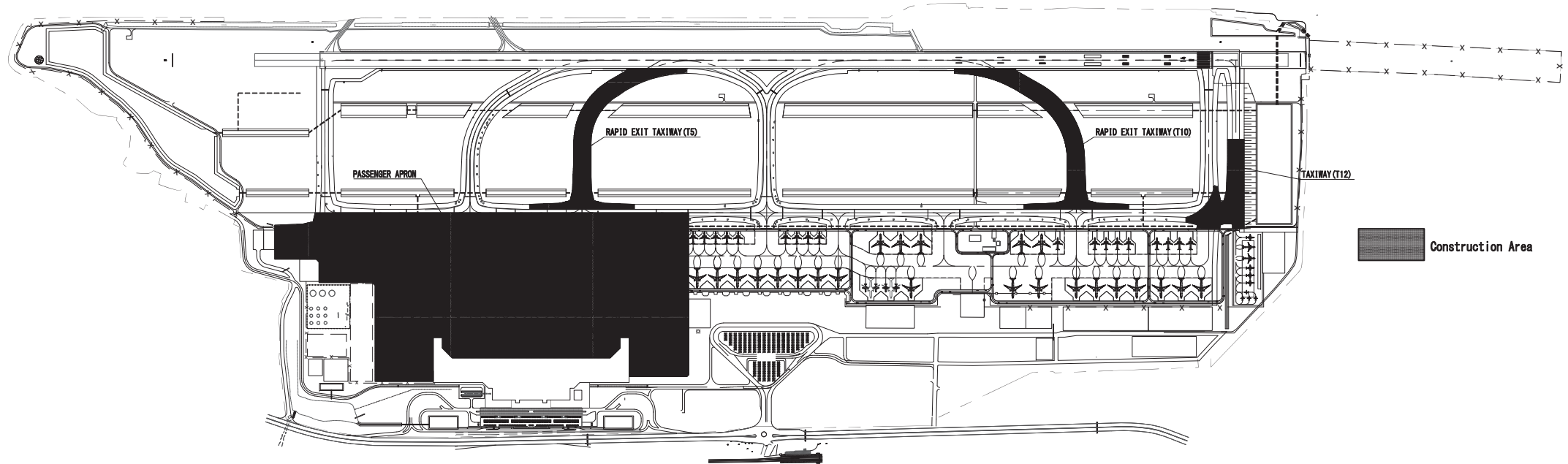
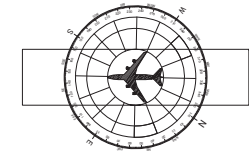
| DRAWING LIST | | | |
|--------------|--|-----------------|------------------|
| DWG NO | SHEET TITLE | SCALE | Number of sheets |
| 1 | LOCATION MAP | 1:50,000 | 1 |
| 2 | DESIGN LAYOUT | 1:7,000 | 1 |
| 3 | EXISTING TOPOGRAPHICAL AND DESIGN LAYOUT | 1:7,000 | 1 |
| | RAPID EXIT TAXIWAY (T5) | | |
| 4 | RAPID EXIT TAXIWAY GENERAL PLAN(T5) | 1:2,000 | 1 |
| 5 ~ 6 | GEOMETRIC OF BASIC POINTS (1) ~ (2) | 1:1,000 | 2 |
| 7 | RAPID EXIT TAXIWAY PLAN & PROFILE | H=1,000 V=1:100 | 1 |
| 8 | PAVEMENT TYPICAL CROSS SECTION | H=400 V=40 | 1 |
| 9 ~ 10 | PAVEMENT HEIGHTS PLAN (1) ~ (2) | 1:1,000 | 2 |
| 11 | PAVEMENT LAYOUT PLAN | 1:2,000 | 1 |
| | RAPID EXIT TAXIWAY (T10) | | |
| 12 | RAPID EXIT TAXIWAY GENERAL PLAN(T10) | 1:2,000 | 1 |
| 13 ~ 14 | GEOMETRIC OF BASIC POINTS (1) ~ (2) | 1:1,000 | 2 |
| 15 | RAPID EXIT TAXIWAY PLAN & PROFILE | H=1,000 V=1:100 | 1 |
| 16 | PAVEMENT TYPICAL CROSS SECTION | H=400 V=40 | 1 |
| 17 ~ 18 | PAVEMENT HEIGHTS PLAN (1) ~ (2) | 1:1,000 | 2 |
| 19 | PAVEMENT LAYOUT PLAN | 1:2,000 | 1 |
| | TAXIWAY (T12) | | |
| 20 | TAXIWAY GENERAL PLAN(T12) | 1:2,000 | 1 |
| 21 | GEOMETRIC OF BASIC POINTS (1) ~ (2) | 1:1,000 | 1 |
| 22 | TAXIWAY PLAN & PROFILE | H=1,000 V=1:100 | 1 |
| 23 | PAVEMENT TYPICAL CROSS SECTION | H=400 V=40 | 1 |
| 24 | PAVEMENT HEIGHTS PLAN (1) ~ (2) | 1:1,000 | 1 |
| 25 | PAVEMENT LAYOUT PLAN | 1:2,000 | 1 |
| | PASSENGER APRON | | |
| 26 | APRON GENERAL PLAN | 1:2,000 | 1 |
| 27 | GEOMETRIC OF BASIC POINTS | 1:2,000 | 1 |
| 28 | PAVEMENT TYPICAL CROSS SECTION | H=1,1000 V=1:50 | 1 |
| 29 | PAVEMENT HEIGHTS PLAN | 1:2,000 | 1 |
| 30 | PAVEMENT LAYOUT PLAN | 1:2,000 | 1 |
| 31 | PAVEMENT JUNCTION DETAILS | 1:200 | 1 |



LOCATION MAP


S = 50,000

| | | | | | | | | | | |
|---|--|--------------|--------------------|--|--|-------------|--|--------------|------------------|----------------|
| PROJECT NAME : HSIA HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT | CLIENT:  CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | CONSULTANT : | DRAWING TITLE : | | | DRAWN BY | | CHECKED BY: | REVIEWED BY: | APPROVED BY: |
| | | | LOCATION MAP | | | CHECKED BY | | | | |
| | | | BASIC DESIGN | | | APPROVED BY | | | | |
| | | | SCALE : 1 : 50,000 | | | | | | | |
| | | | DRAWING NO. : No.1 | | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER |



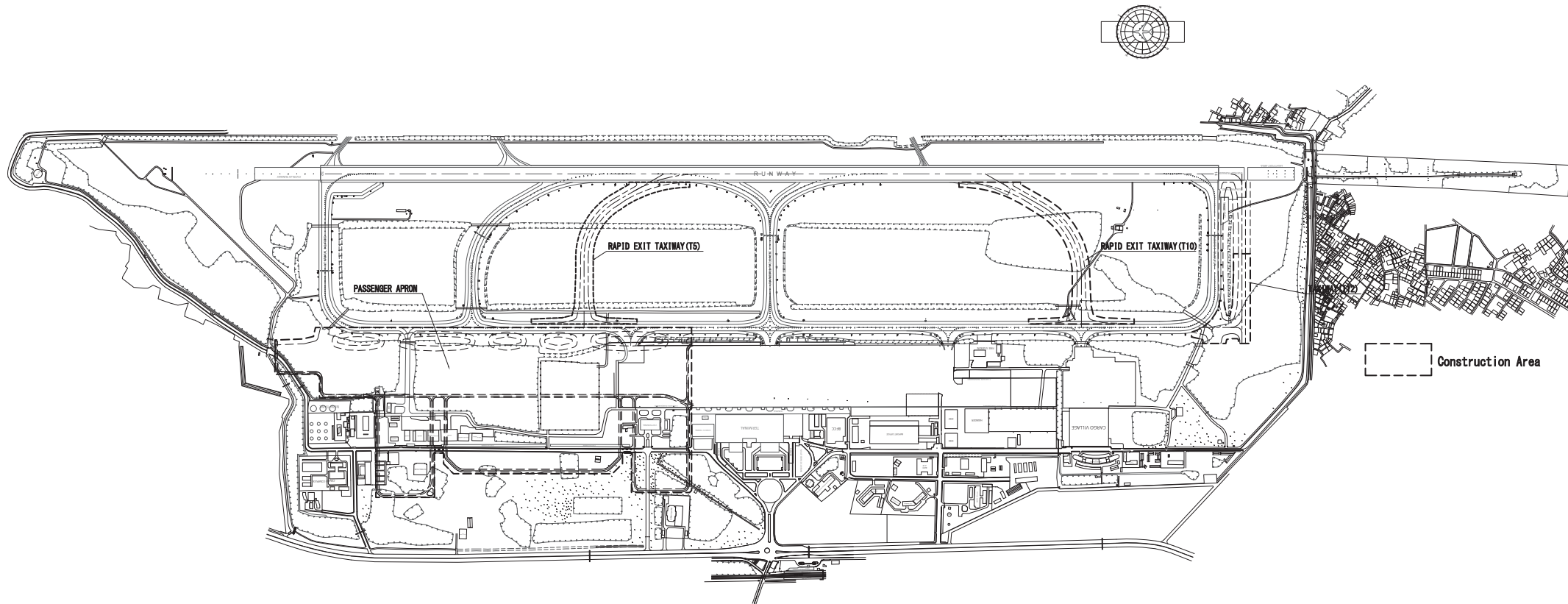
SCALE : 0 200 500 1000M

DESIGN LAYOUT S = 7,000

| | | | | | | |
|--|---|---------------------|--|--|--|---|
| <p>PROJECT NAME : HSIA HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT</p> | <p>CLIENT:  CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH</p> | <p>CONSULTANT :</p> | <p>DRAWING TITLE : DESIGN LAYOUT BASIC DESIGN SCALE : 1 : 7,000 DRAWING NO. : No. 2</p> | <p>DRAWN BY CHECKED BY APPROVED BY</p> | <p>CHECKED BY: REVIEWED BY: APPROVED BY:</p> | <p>THE ENGINEER PROJECT DIRECTOR CHIEF ENGINEER</p> |
|--|---|---------------------|--|--|--|---|



A10-3-4

A10-3-5

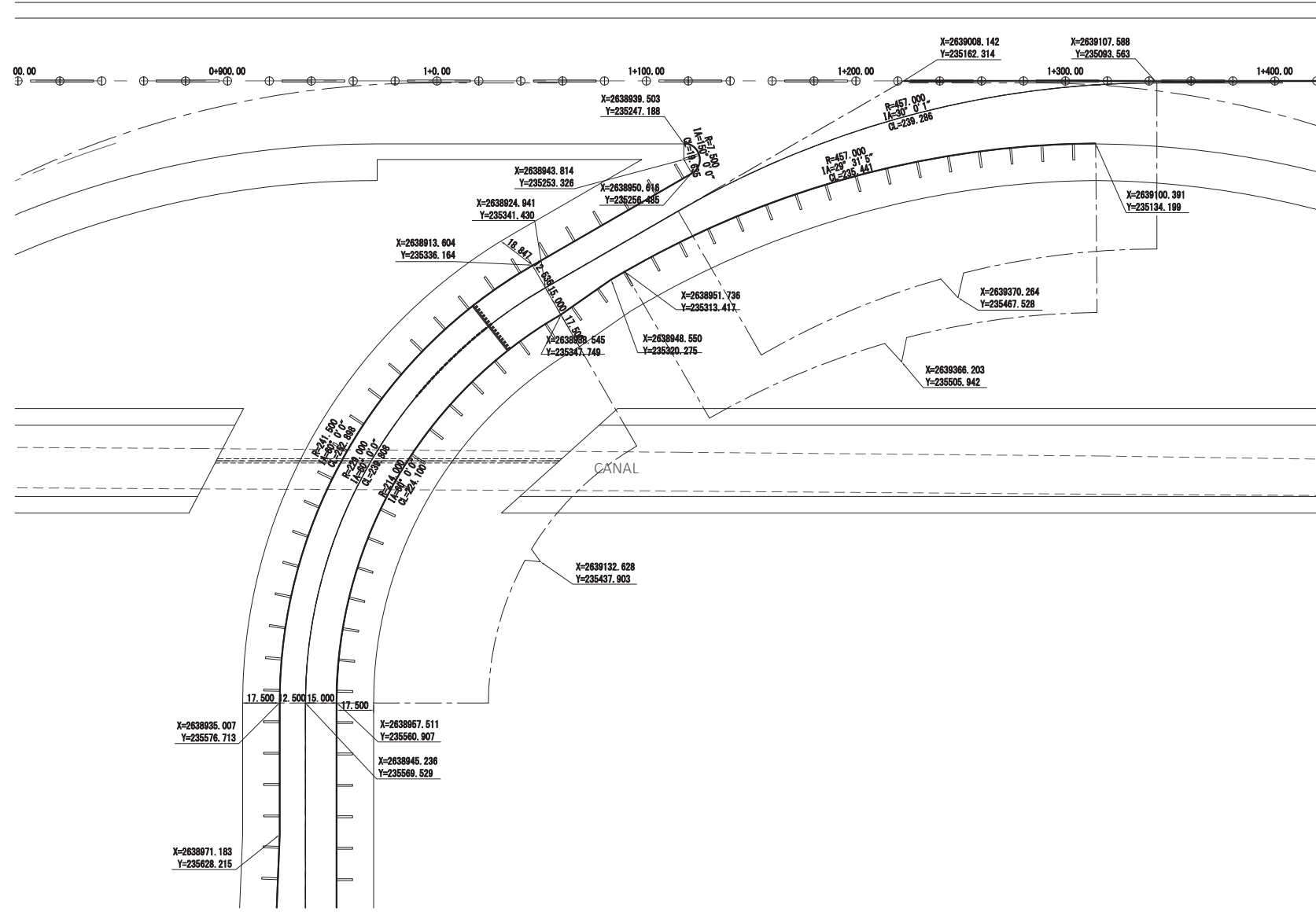
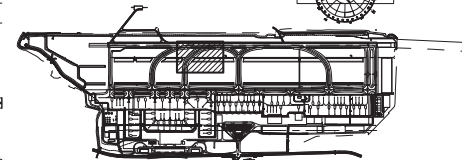


EXISTING TOPOGRAPHICAL AND DESIGN LAYOUT

S = 7,000

| | | | | | | | | | | | |
|--|---|--------------|--|--|--|-------------|--|--------------|------------------|----------------|--|
| PROJECT NAME : | CLIENT : | CONSULTANT : | DRAWING TITLE : | | | DRAWN BY | | CHECKED BY: | REVIEWED BY: | APPROVED BY: | |
|  HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT |  CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | | EXISTING TOPOGRAPHICAL AND DESIGN LAYOUT | | | CHECKED BY | | | | | |
| | | | BASIC DESIGN | | | APPROVED BY | | | | | |
| | | | SCALE : 1 : 7,000 | | | | | | | | |
| | | | DRAWING NO. : No. 3 | | | | | | | | |
| | | | | | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER | |

KEY PLAN



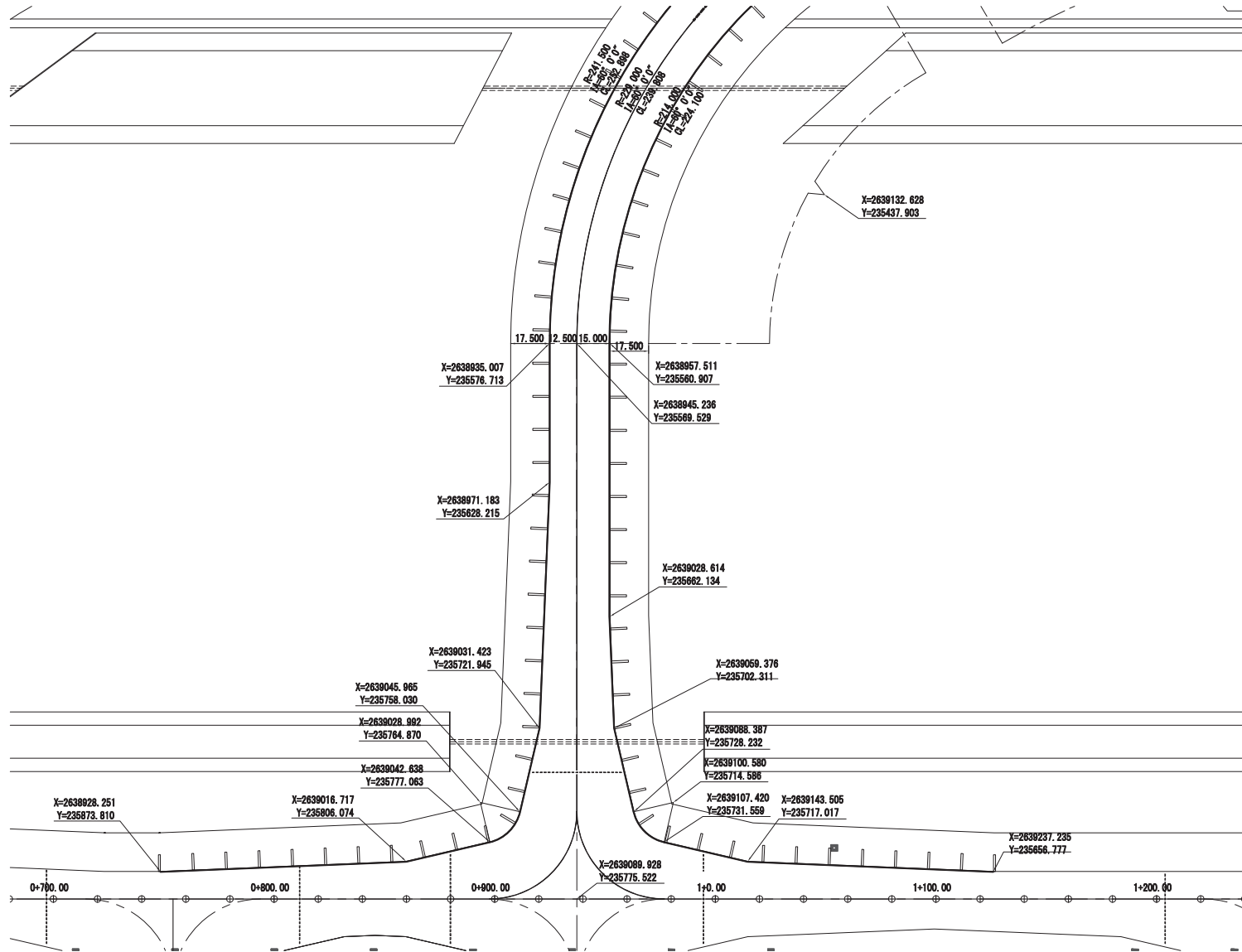
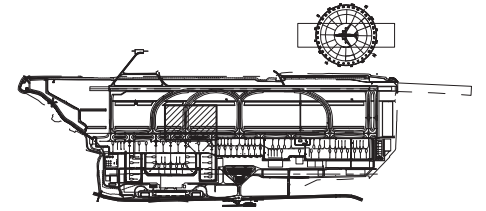
GEOMETRIC OF BASIC POINTS(1/2)

S = 1,000

A10-3-7

| | | | | | | | | | | | |
|--|--|--------------|--------------------------------|--|--|-------------|--|--------------|------------------|----------------|--|
| PROJECT NAME : | CLIENT : | CONSULTANT : | DRAWING TITLE : | | | DRAWN BY | | CHECKED BY : | REVIEWED BY : | APPROVED BY : | |
| <p>HAZRAT SHAHJALAL INTERNATIONAL AIRPORT</p> <p>PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT</p> | <p>CIVIL AVIATION AUTHORITY OF BANGLADESH</p> <p>KURMITOLA, DHAKA-1229, BANGLADESH</p> | | GEOMETRIC OF BASIC POINTS(1/2) | | | | | | | | |
| | | | BASIC DESIGN | | | | | | | | |
| | | | SCALE : 1 : 1,000 | | | | | | | | |
| | | | DRAWING NO. : No. 5 | | | | | | | | |
| | | | | | | APPROVED BY | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER | |



KEY PLAN



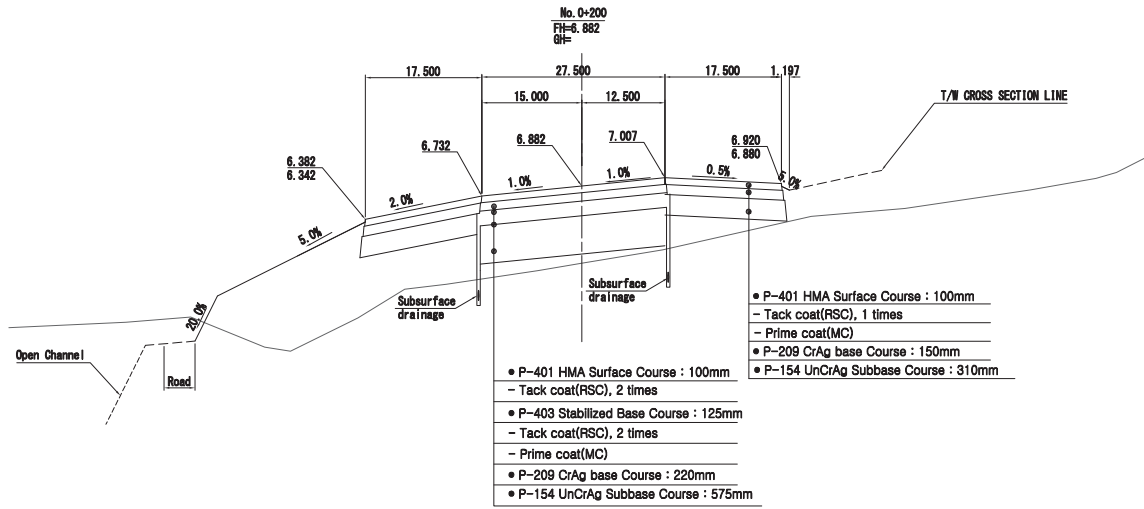
GEOMETRIC OF BASIC POINTS (2/2)

S = 1,000



A10-C-8

| | | | | | | | | | | | |
|--|---|--------------|---------------------------------|--|--|----------|--|--------------|------------------|----------------|--|
| PROJECT NAME : | CLIENT : | CONSULTANT : | DRAWING TITLE : | | | DRAWN BY | | CHECKED BY : | REVIEWED BY : | APPROVED BY : | |
|  HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT |  CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | | GEOMETRIC OF BASIC POINTS (2/2) | | | | | | | | |
| | | | BASIC DESIGN | | | | | | | | |
| | | | SCALE : S = 1,000 | | | | | | | | |
| | | | DRAWING NO. : No. 6 | | | | | APPROVED BY | | | |
| | | | | | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER | |

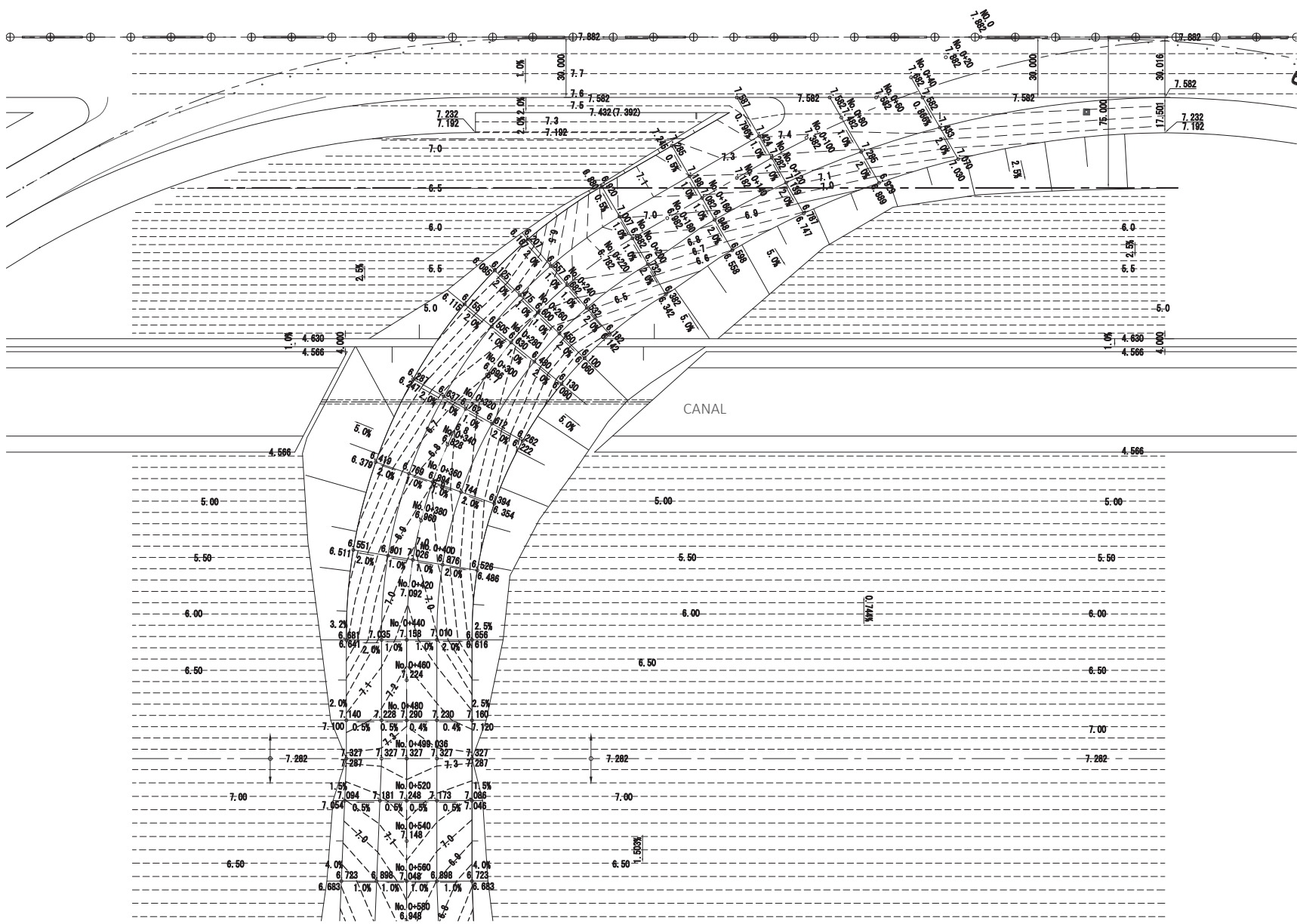
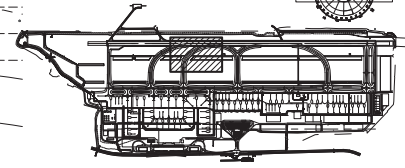
A10-3-10



S : H = 400
V = 40

| | | | | | | | | | | | | | | |
|--|---|--------------|--------------------------------|--|--|---------------|--|--------------|--|---------------|------------------|----------------|--|--|
| PROJECT NAME : | CLIENT : | CONSULTANT : | DRAWING TITLE : | | | DRAWN BY : | | CHECKED BY : | | REVIEWED BY : | | APPROVED BY : | | |
|  HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT |  CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | | PAVEMENT TYPICAL CROSS SECTION | | | CHECKED BY : | | | | | | | | |
| | | | BASIC DESIGN | | | | | | | | | | | |
| | | | SCALE : H=1:400 V=1:40 | | | | | | | | | | | |
| | | | DRAWING NO. : No. 7 | | | APPROVED BY : | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER | | |

KEY PLAN



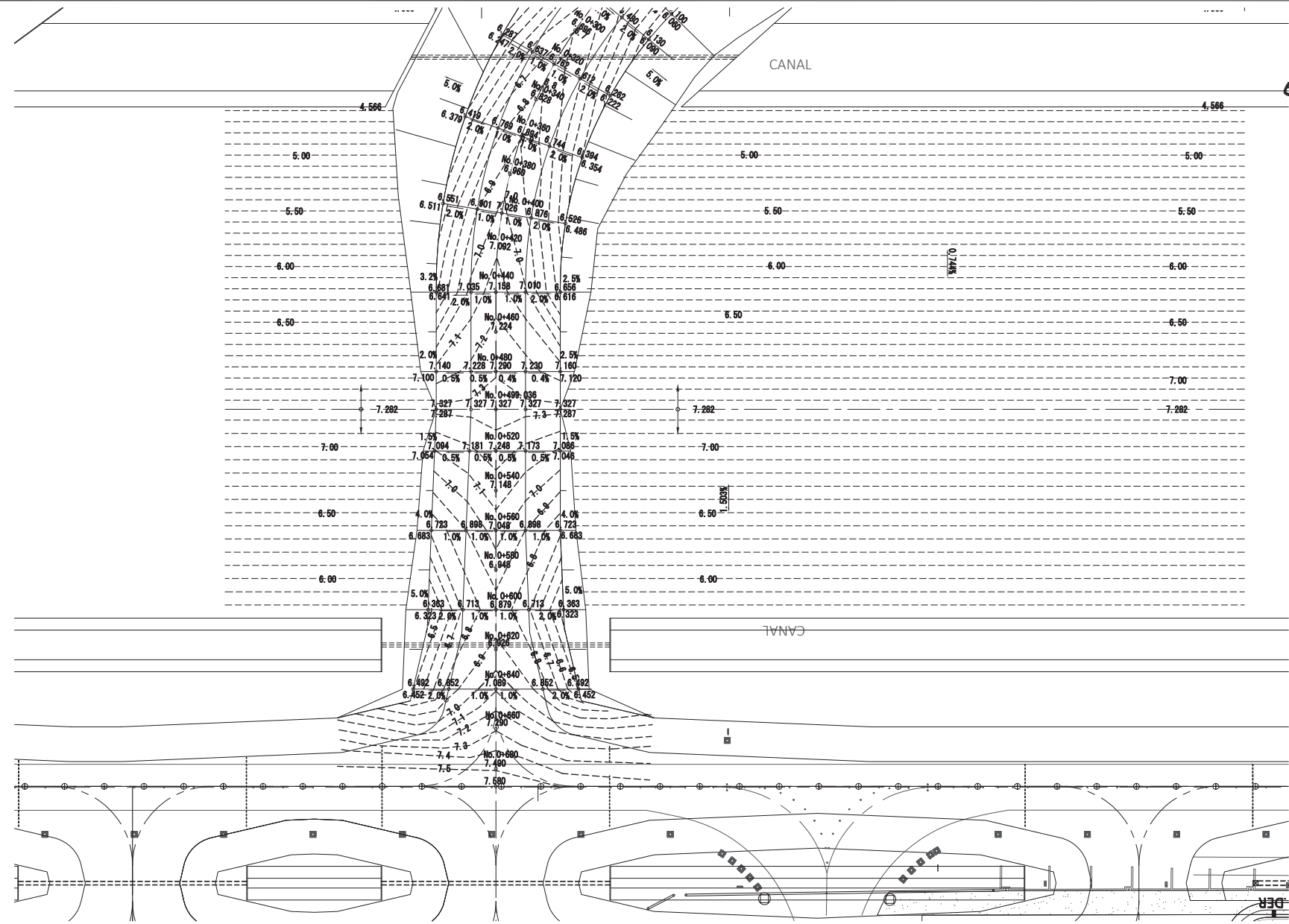
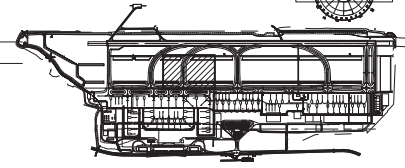
PAVEMENT HEIGHTS PLAN (1/2)
(T5 T/W)

S = 1,000

A10-3-11

| | | | | | | | | | |
|---|--|--------------|-----------------------------|----------|------------|-------------|--------------|------------------|----------------|
| PROJECT NAME : HSIA HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT | CLIENT : CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | CONSULTANT : | DRAWING TITLE : | DRAWN BY | CHECKED BY | APPROVED BY | CHECKED BY : | REVIEWED BY : | APPROVED BY : |
| | | | PAVEMENT HEIGHTS PLAN (1/2) | | | | CHECKED BY | REVIEWED BY | APPROVED BY |
| | | | BASIC DESIGN | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER |
| | | | SCALE : 1 : 1,000 | | | | | | |
| | | | DRAWING NO. : No. 9 | | | | | | |


KEY PLAN



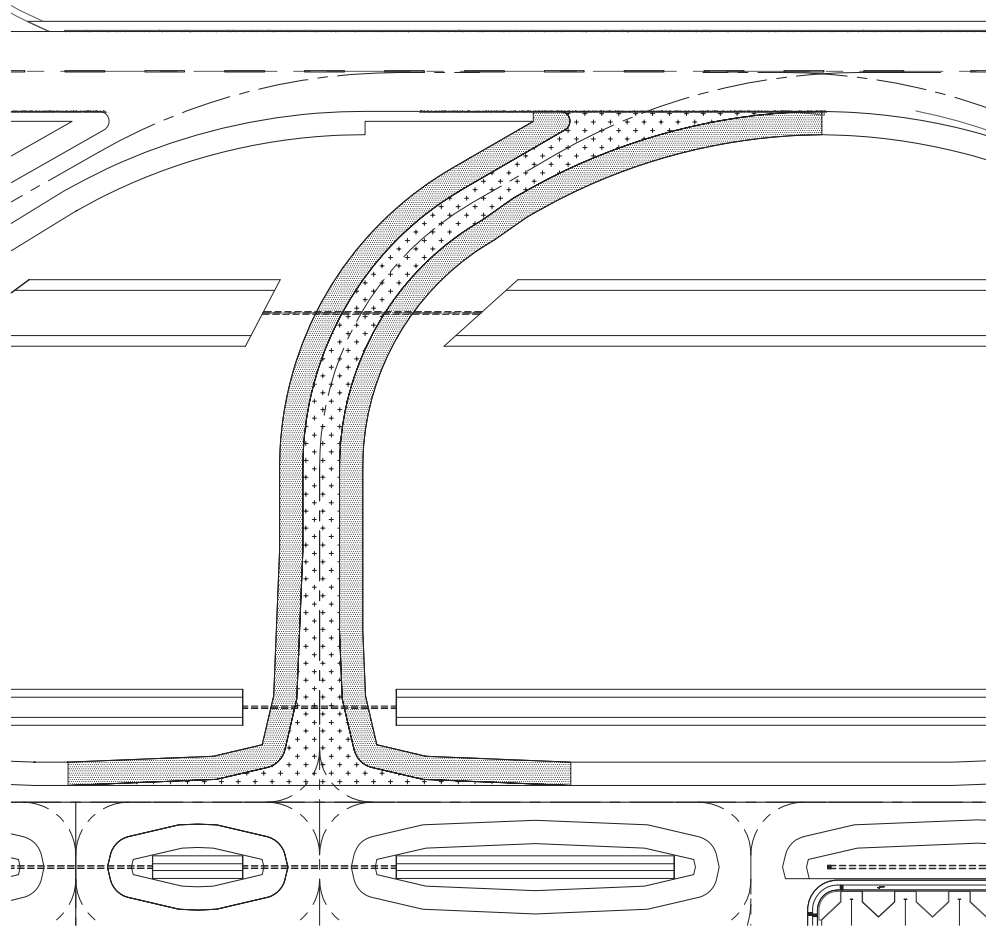
PAVEMENT HEIGHTS PLAN (2/2)
(T5 T/W)

S = 1,000

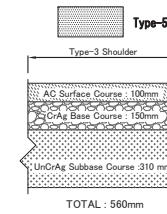
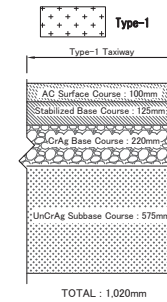
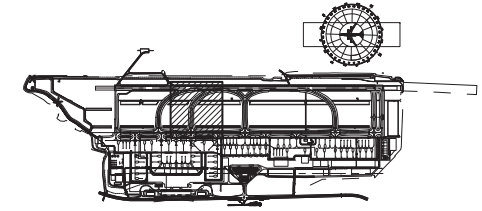
A10-3-12

| | | | | | | |
|---|---|--------------|---|---------------------------|--|--|
| PROJECT NAME : HSIA HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT | CLIENT :  CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | CONSULTANT : | DRAWING TITLE : PAVEMENT HEIGHTS PLAN (2/2) BASIC DESIGN SCALE : 1 : 1,000 DRAWING NO. : No. 10 | DRAWN BY | CHECKED BY : REVIEWED BY : APPROVED BY : | CHECKED BY : REVIEWED BY : APPROVED BY : |
| | | | | CHECKED BY APPROVED BY | | |

A10-3-13





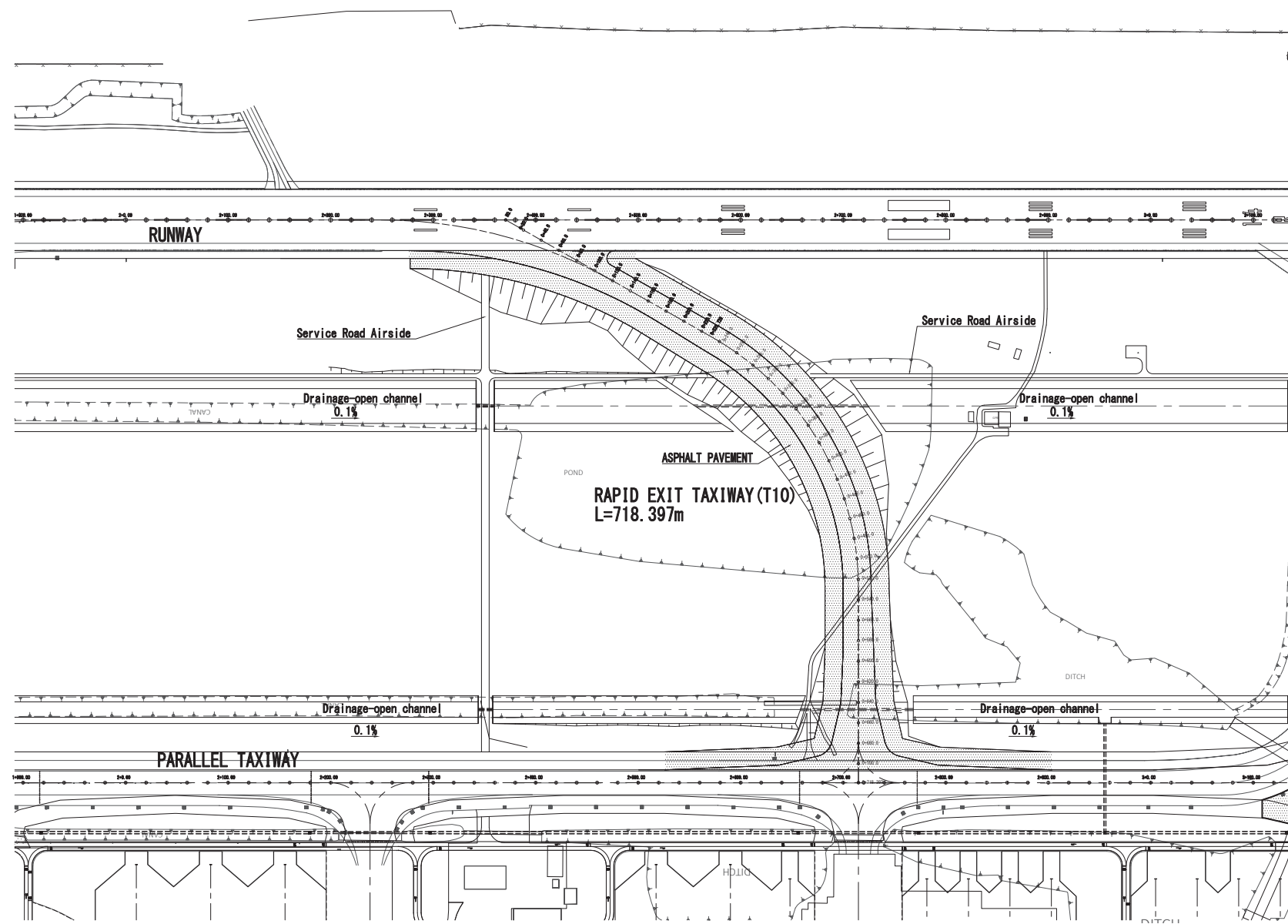
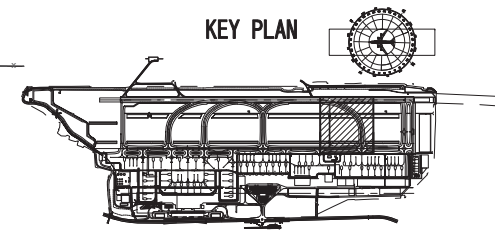
KEY PLAN



PAVEMENT LAYOUT PLAN



S = 2,000

| | | | | | | | | | | |
|--|---|--------------|----------------------|--|--|-------------|--|--------------|------------------|----------------|
| PROJECT NAME : | CLIENT : | CONSULTANT : | DRAWING TITLE : | | | DRAWN BY | | CHECKED BY : | REVIEWED BY : | APPROVED BY : |
|  HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT |  CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | | PAVEMENT LAYOUT PLAN | | | CHECKED BY | | | | |
| | | | BASIC DESIGN | | | APPROVED BY | | | | |
| | | | SCALE : 1:2,000 | | | | | | | |
| | | | DRAWING NO. : No. 11 | | | | | | | |
| | | | | | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER |

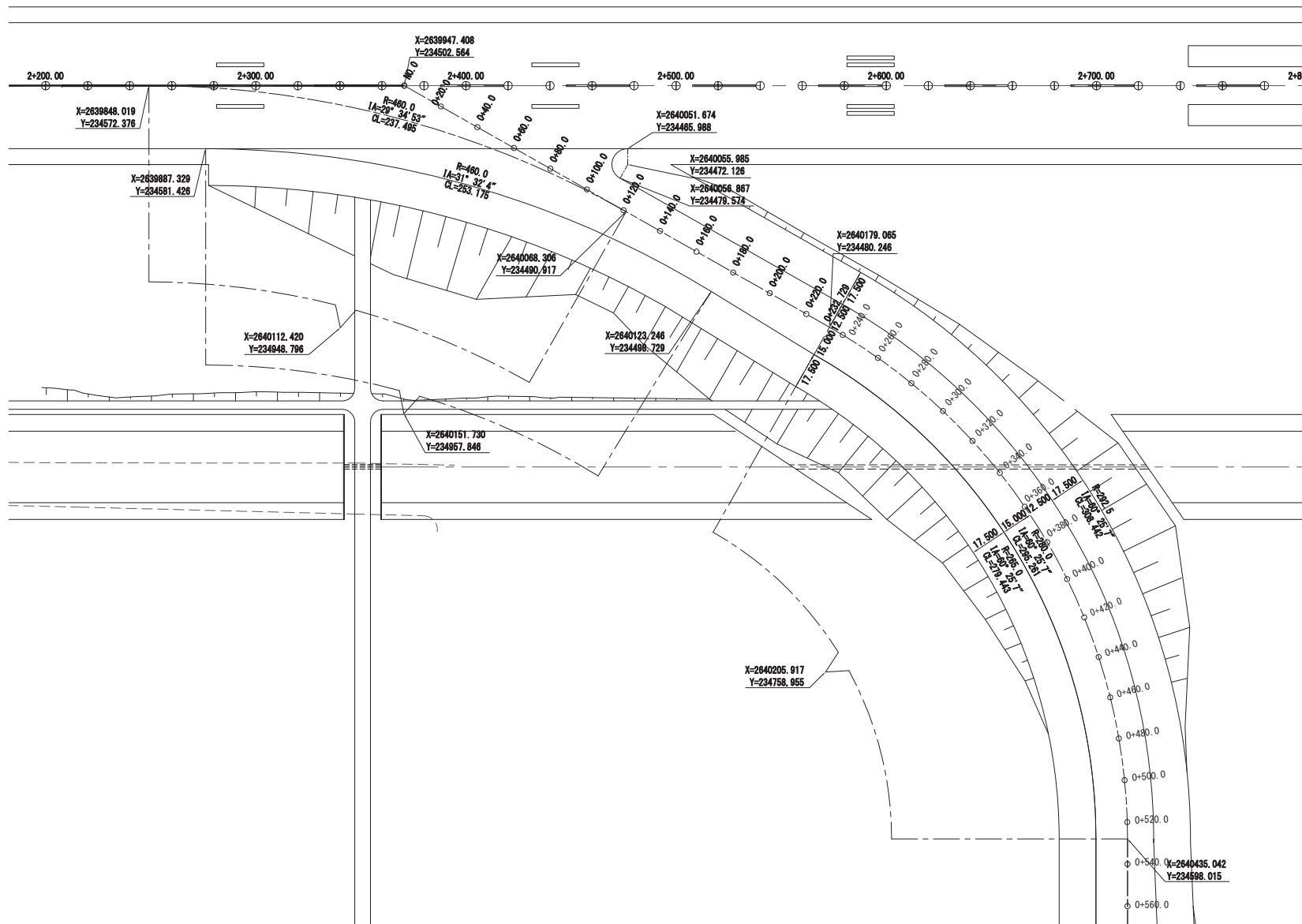
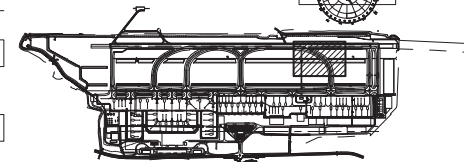


RAPID EXIT TAXIWAY GENERAL PLAN(T10) S = 2,000

A10-3-14

| | | | | | | |
|---|--|---------------------|--|--|--|---|
| <p>PROJECT NAME :</p>  <p>HAZRAT SHAHJALAL INTERNATIONAL AIRPORT</p> <p>PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT</p> | <p>CLIENT :</p>  <p>CIVIL AVIATION AUTHORITY OF BANGLADESH</p> <p>KURMITOLA, DHAKA-1229, BANGLADESH</p> | <p>CONSULTANT :</p> | <p>DRAWING TITLE :</p> <p>NEW RAPID EXIT TAXIWAY GENERAL PLAN(T10)</p> <p>BASIC DESIGN</p> <p>SCALE : 1 : 2,000</p> <p>DRAWING NO. : No. 12</p> | <p>DRAWN BY</p> <p>CHECKED BY</p> <p>APPROVED BY</p> | <p>CHECKED BY:</p> <p>REVIEWED BY:</p> <p>APPROVED BY:</p> | <p>THE ENGINEER</p> <p>PROJECT DIRECTOR</p> <p>CHIEF ENGINEER</p> |
|---|--|---------------------|--|--|--|---|

KEY PLAN



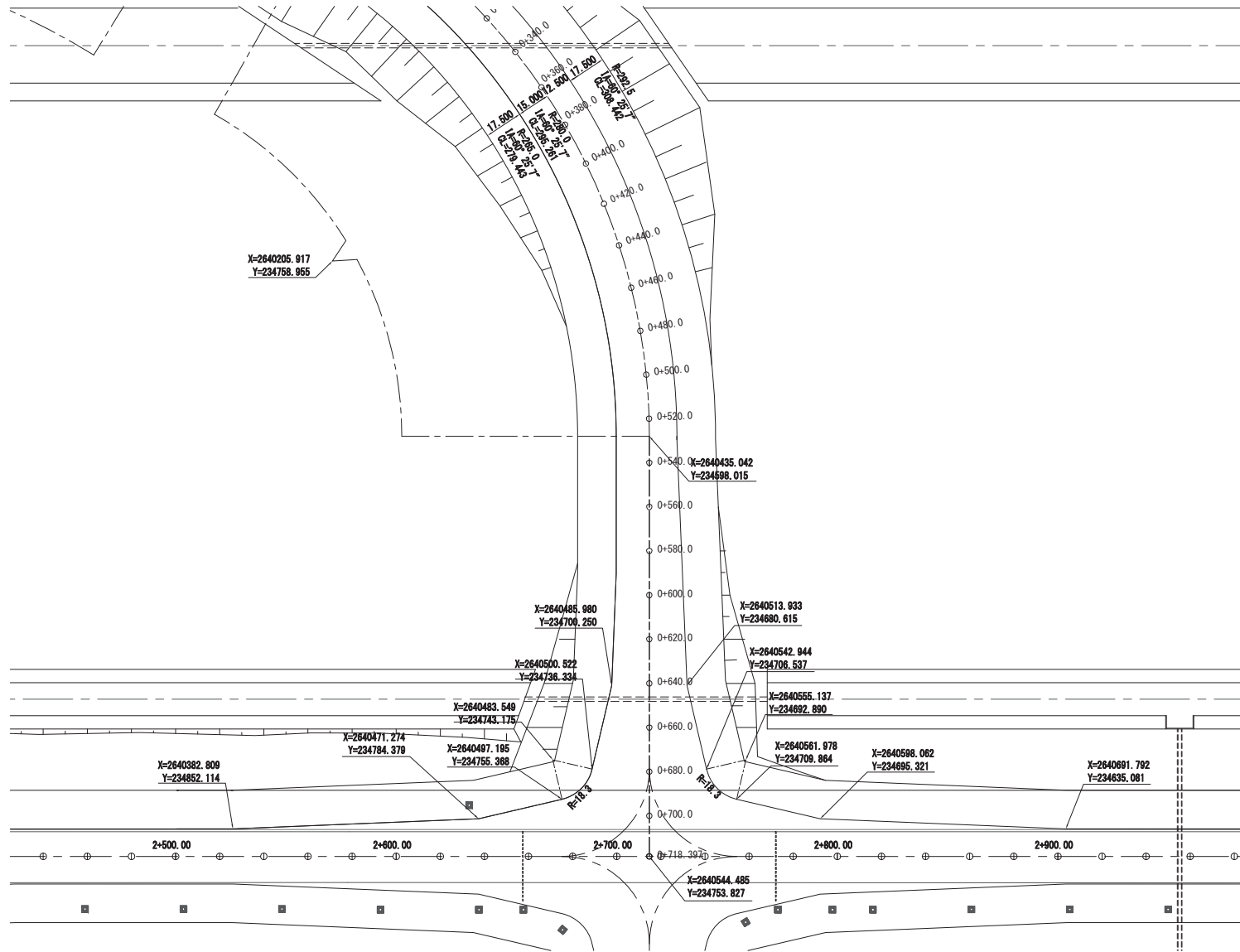
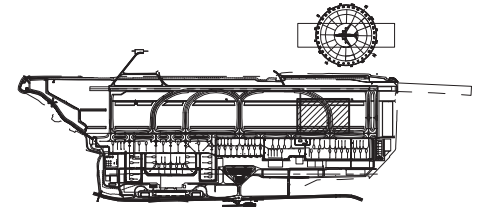
GEOMETRIC OF BASIC POINTS(1/2)

S = 1,000

A10-3-15

| | | | | | | | | | | | |
|--|--|--------------|--------------------------------|--|--|----------|--|--------------|------------------|----------------|--|
| PROJECT NAME : | CLIENT : | CONSULTANT : | DRAWING TITLE : | | | DRAWN BY | | CHECKED BY : | REVIEWED BY : | APPROVED BY : | |
| <p>HAZRAT SHAHJALAL INTERNATIONAL AIRPORT</p> <p>PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT</p> | <p>CIVIL AVIATION AUTHORITY OF BANGLADESH</p> <p>KURMITOLA, DHAKA-1229, BANGLADESH</p> | | GEOMETRIC OF BASIC POINTS(1/2) | | | | | | | | |
| | | | BASIC DESIGN | | | | | | | | |
| | | | SCALE : 1 : 1,000 | | | | | | | | |
| | | | DRAWING NO. : No. 13 | | | | | | | | |
| | | | | | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER | |



KEY PLAN



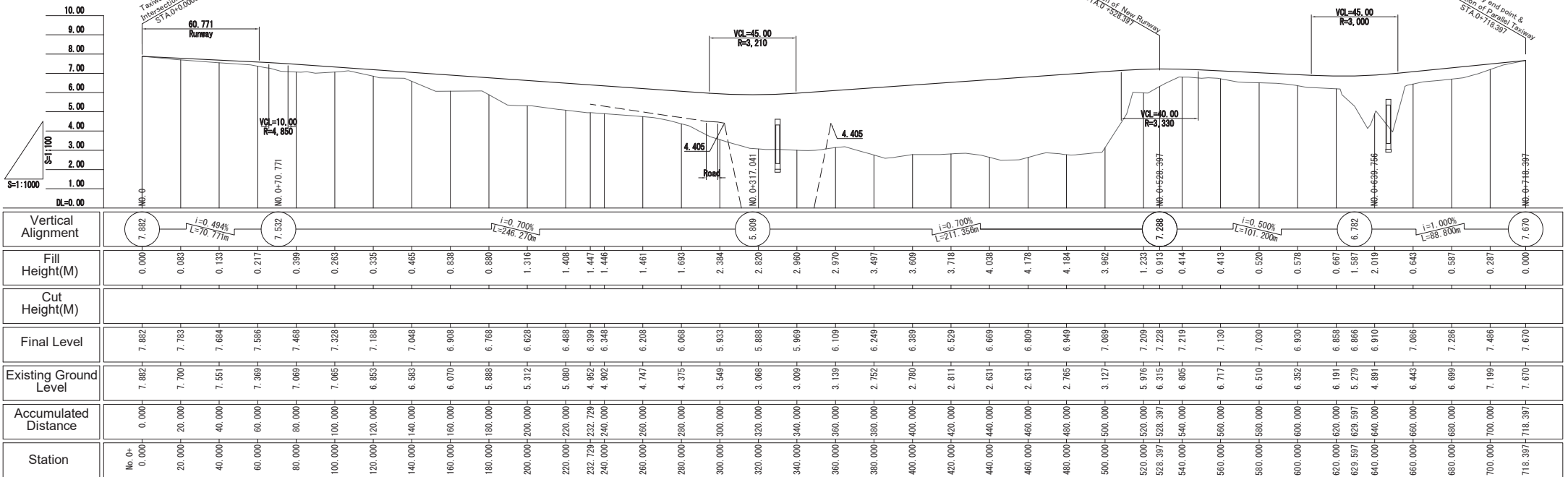
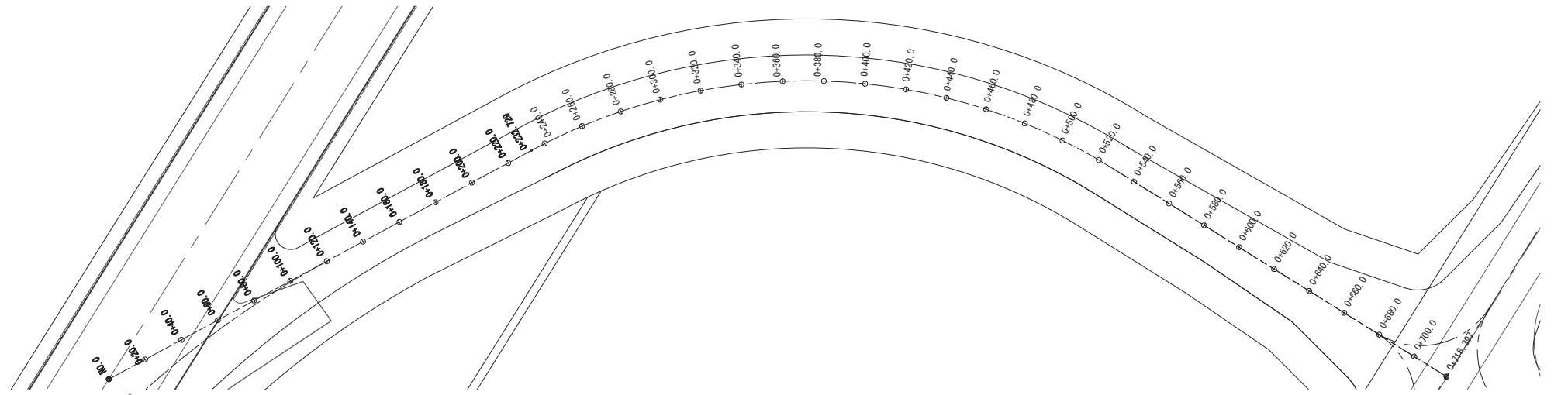
GEOMETRIC OF BASIC POINTS (2/2)

S = 1,000

A10.3-16

| | | | | | | | | | | | |
|--|---|--------------|---------------------------------|--|--|----------|--|--------------|------------------|----------------|--|
| PROJECT NAME : | CLIENT : | CONSULTANT : | DRAWING TITLE : | | | DRAWN BY | | CHECKED BY: | REVIEWED BY: | APPROVED BY: | |
|  HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT |  CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | | GEOMETRIC OF BASIC POINTS (2/2) | | | | | | | | |
| | | | BASIC DESIGN | | | | | | | | |
| | | | SCALE : S = 1,000 | | | | | | | | |
| | | | DRAWING NO. : No. 14 | | | | | | | | |
| | | | | | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER | |

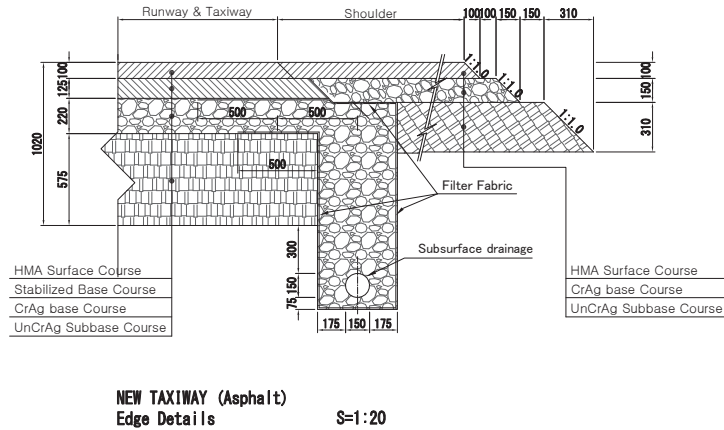
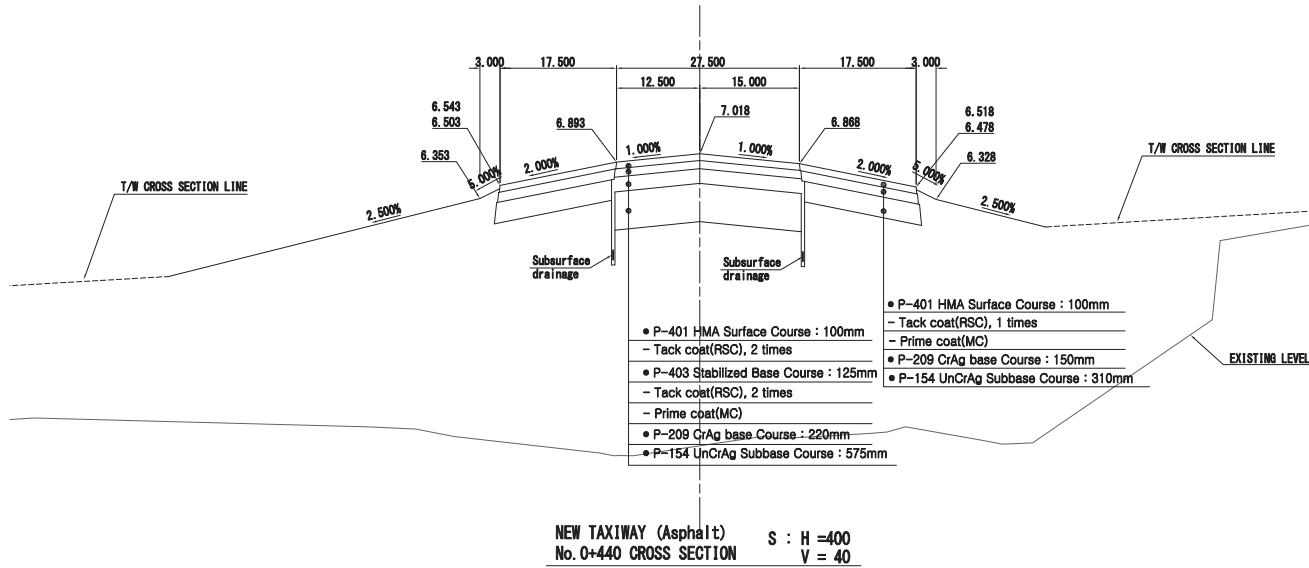
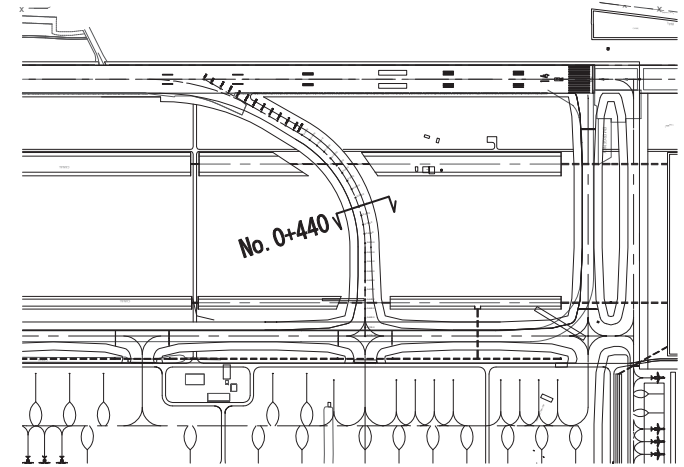
A10.3-17



PROFILE H = 1,000, V = 100

| | | | | | | | | | | |
|--|--|---------------------|--|-------------------|---------------------|----------------------|---------------------|----------------------|----------------------|--|
| PROJECT NAME : | CLIENT : | CONSULTANT : | DRAWING TITLE : | DRAWN BY : | CHECKED BY : | APPROVED BY : | CHECKED BY : | REVIEWED BY : | APPROVED BY : | |
| HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT | CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | | RAPID EXIT TAXIWAY PLAN & PROFILE | | | | | | | |
| | | | BASIC DESIGN | | | | | | | |
| | | | SCALE : H = 1,000, V = 100 | | | | | | | |
| | | | DRAWING NO. : No. 15 | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER | |



KEY PLAN



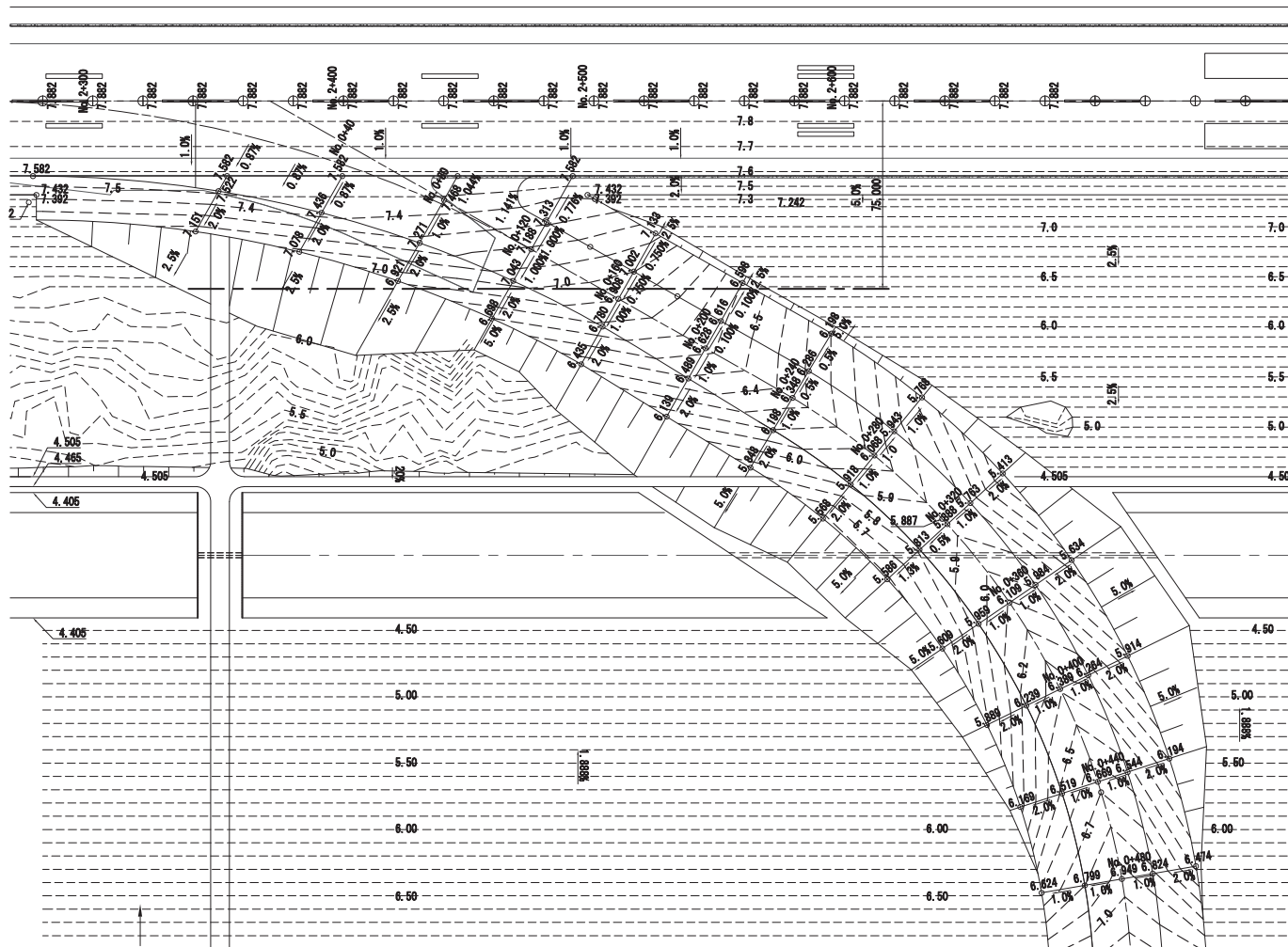
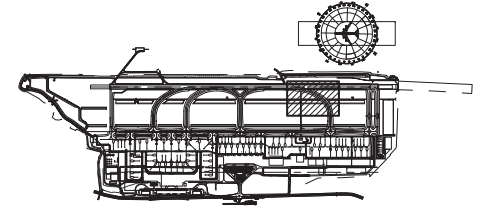
PAVEMENT TYPICAL CROSS SECTION

S : H =400
V = 40

A10.3-18

| | | | | | | | | | | | | |
|--|---|--------------|--------------------------------|--|--|-------------|--|--------------|------------------|----------------|--|--|
| PROJECT NAME : | CLIENT : | CONSULTANT : | DRAWING TITLE : | | | DRAWN BY | | CHECKED BY : | REVIEWED BY : | APPROVED BY : | | |
|  HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT |  CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | | PAVEMENT TYPICAL CROSS SECTION | | | CHECKED BY | | | | | | |
| | | | BASIC DESIGN | | | APPROVED BY | | | | | | |
| | | | SCALE : H=1:400 V=1:40 | | | | | | | | | |
| | | | DRAWING NO. : No. 16 | | | | | | | | | |
| | | | | | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER | | |


KEY PLAN



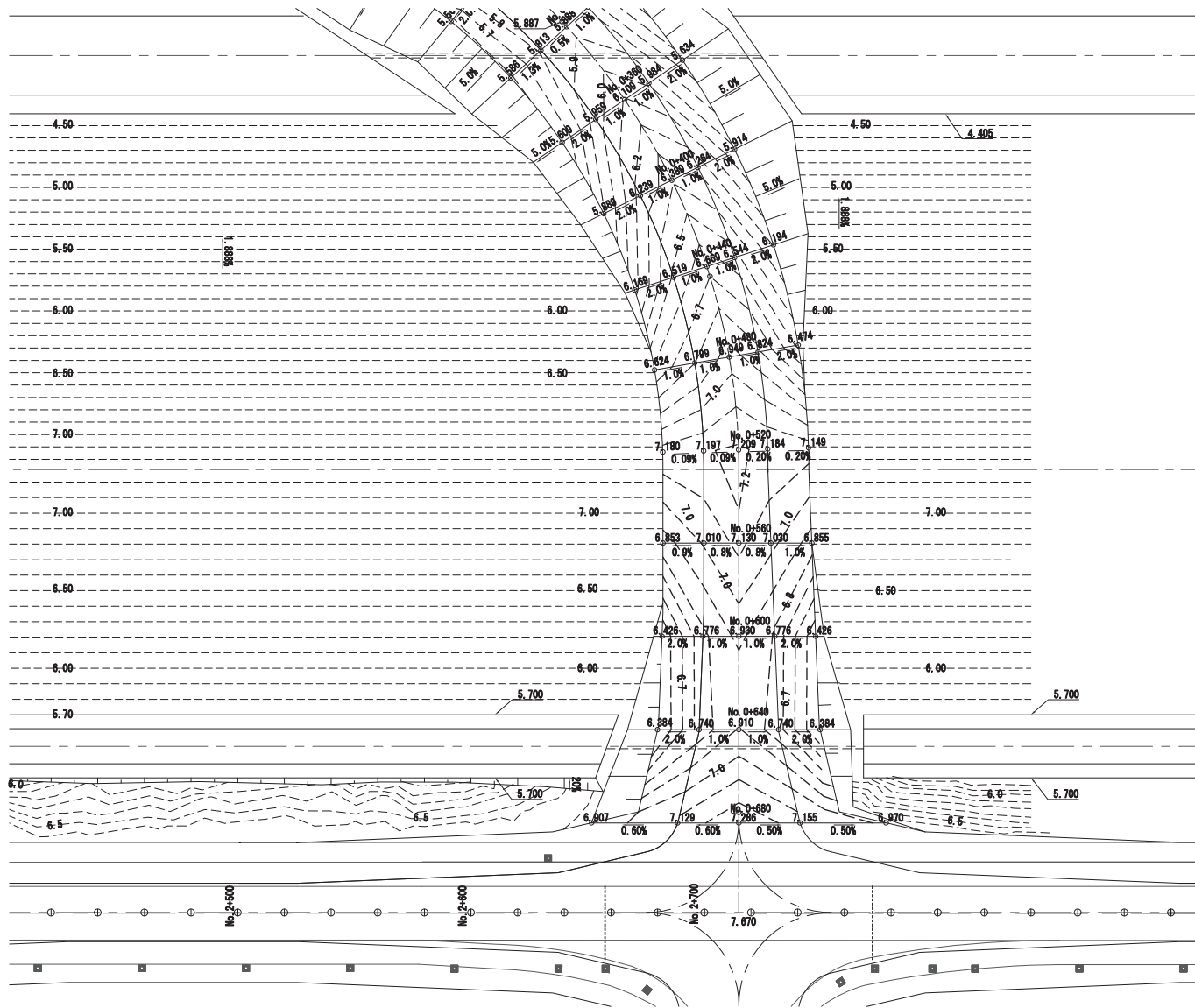
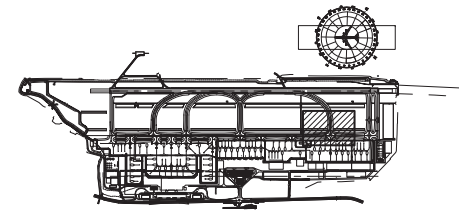
PAVEMENT HEIGHTS PLAN (1/2)

S = 1,000

A10-3-19

| | | | | | | | | | | |
|---|---|--------------|---|--|--|---------------------------------------|--|--------------|------------------|----------------|
| PROJECT NAME : HSIA HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT | CLIENT :  CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | CONSULTANT : | DRAWING TITLE : PAVEMENT HEIGHTS PLAN (1/2) | | | DRAWN BY CHECKED BY APPROVED BY | CHECKED BY : REVIEWED BY : APPROVED BY : | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER |
| | | | BASIC DESIGN SCALE : S = 1,000 DRAWING NO. : No. 17 | | | | | | | |



KEY PLAN



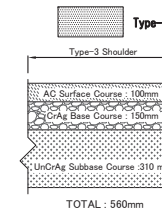
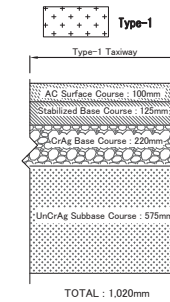
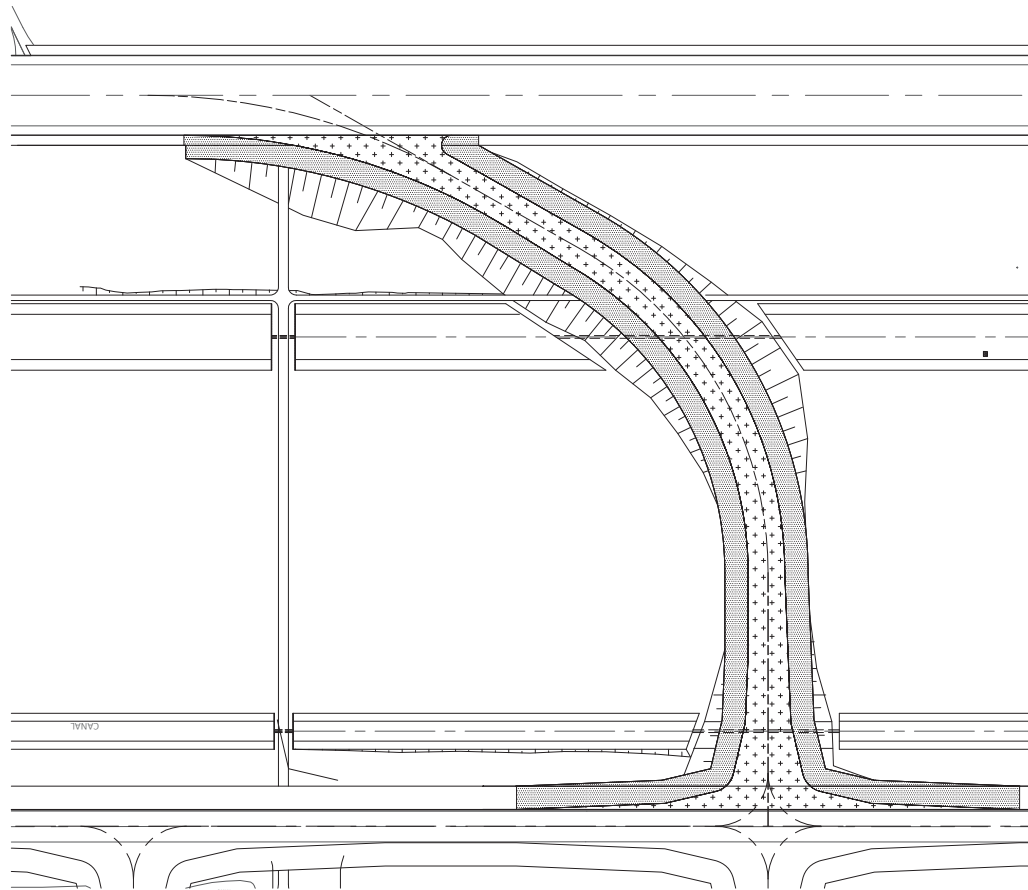
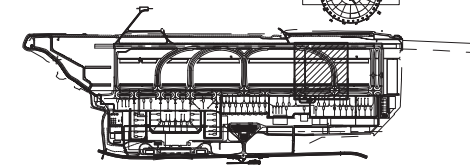
PAVEMENT HEIGHTS PLAN (2/2)

S = 1,000

A10.3-20

| | | | | | | | | | | | |
|--|---|--------------|-----------------------------|--|--|-------------|--|--------------|------------------|----------------|--|
| PROJECT NAME : | CLIENT : | CONSULTANT : | DRAWING TITLE : | | | DRAWN BY | | CHECKED BY : | REVIEWED BY : | APPROVED BY : | |
|  HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT |  CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | | PAVEMENT HEIGHTS PLAN (2/2) | | | CHECKED BY | | | | | |
| | | | BASIC DESIGN | | | APPROVED BY | | | | | |
| | | | SCALE : S = 1,000 | | | | | | | | |
| | | | DRAWING NO. : No. 18 | | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER | |

KEY PLAN



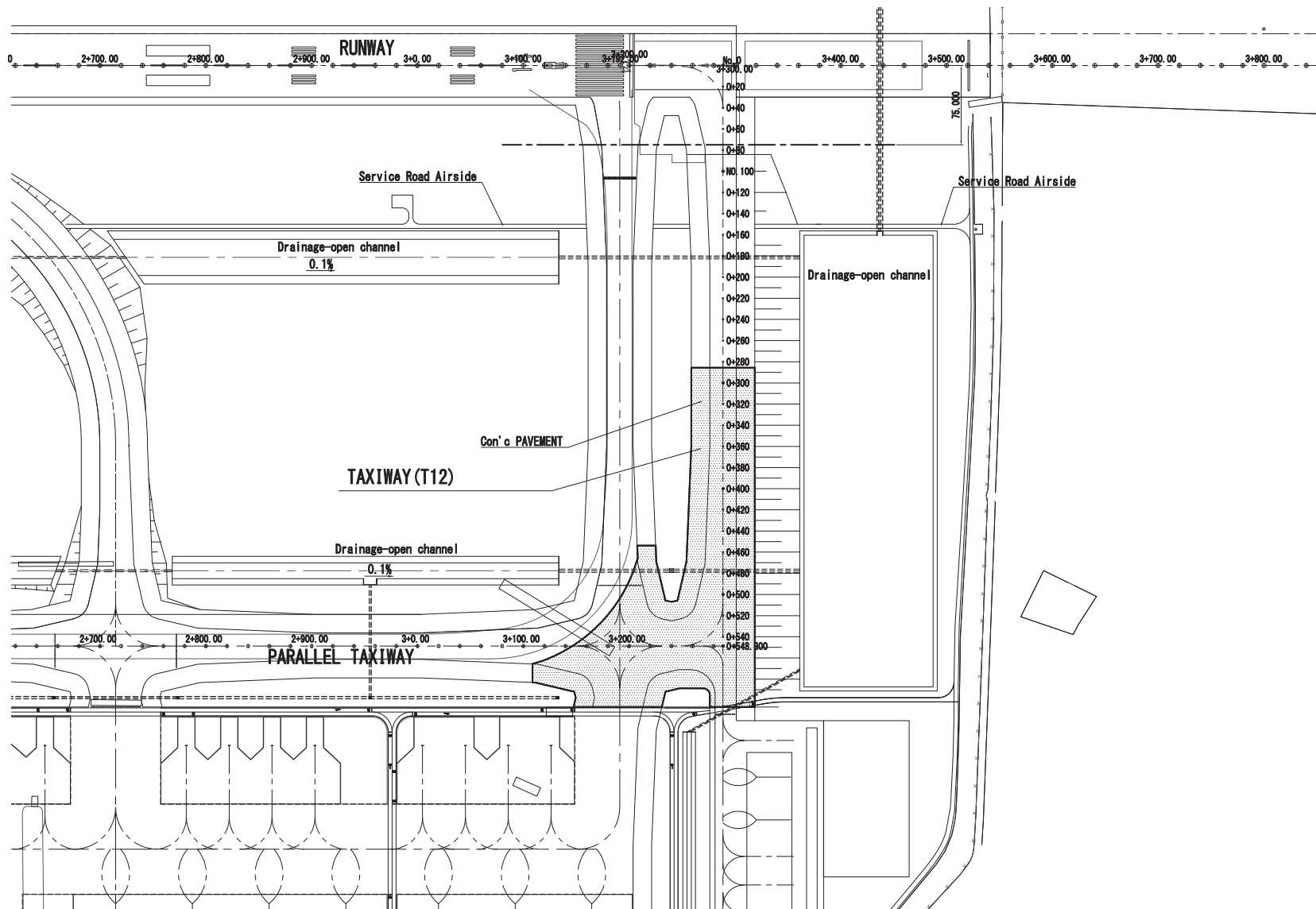
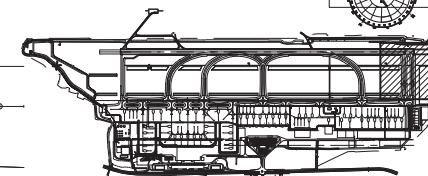
PAVEMENT LAYOUT PLAN

S = 2,000

A10.3-21

| | | | | | | | | | | |
|--|--|--------------|----------------------|--|--|-------------|--|--------------|------------------|----------------|
| PROJECT NAME : | CLIENT : | CONSULTANT : | DRAWING TITLE : | | | DRAWN BY | | CHECKED BY : | REVIEWED BY : | APPROVED BY : |
| <p>HAZRAT SHAHJALAL INTERNATIONAL AIRPORT</p> <p>PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT</p> | <p>CIVIL AVIATION AUTHORITY OF BANGLADESH</p> <p>KURMITOLA, DHAKA-1229, BANGLADESH</p> | | PAVEMENT LAYOUT PLAN | | | CHECKED BY | | | | |
| | | | BASIC DESIGN | | | APPROVED BY | | | | |
| | | | SCALE : 1:2,000 | | | | | | | |
| | | | DRAWING NO. : No. 19 | | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER |

KEY PLAN

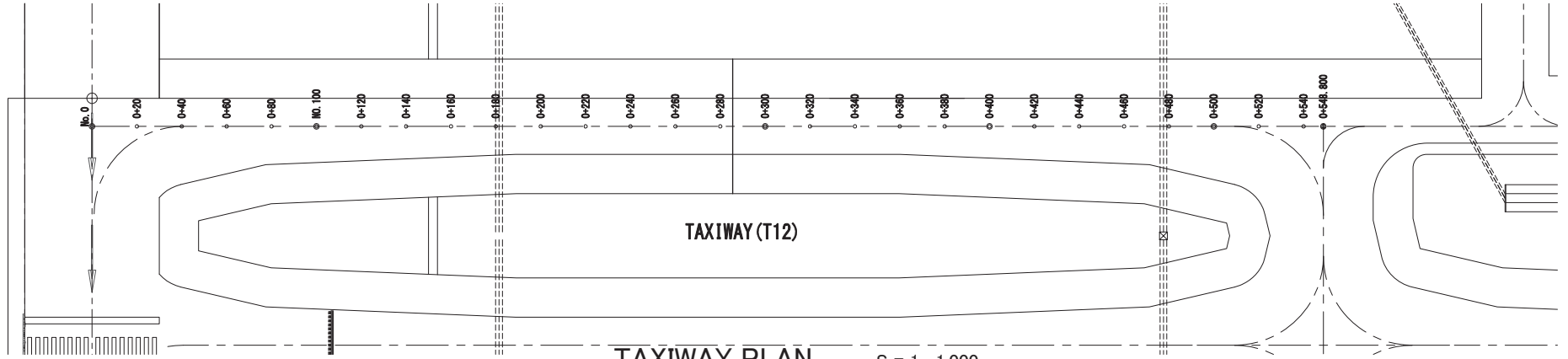


Construction Area

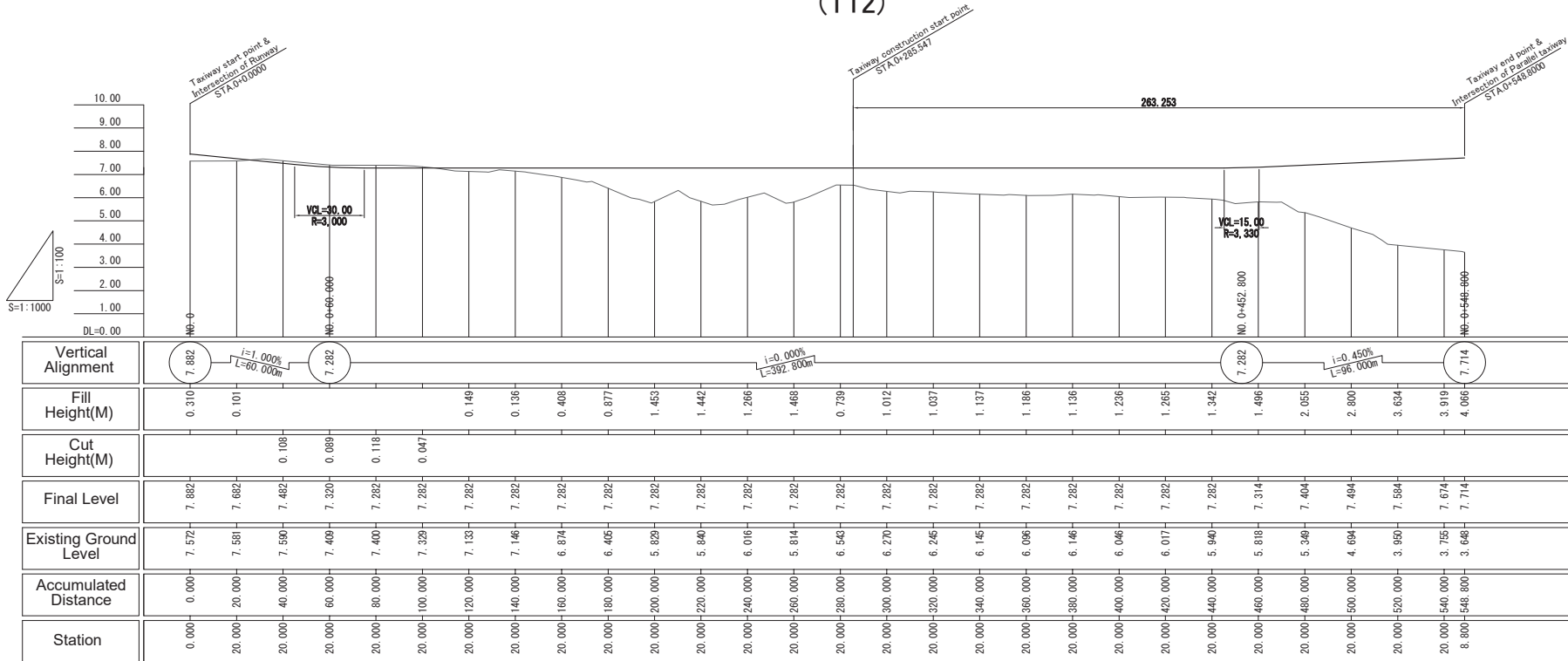
TAXIWAY GENERAL PLAN(T12) S = 2,000

A10.3-22

| | | | | | | | | | | | |
|--|--|--------------|---------------------------|--|--|----------|--|--------------|------------------|----------------|--|
| PROJECT NAME : | CLIENT : | CONSULTANT : | DRAWING TITLE : | | | DRAWN BY | | CHECKED BY: | REVIEWED BY: | APPROVED BY: | |
| <p>HAZRAT SHAHJALAL INTERNATIONAL AIRPORT</p> <p>PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT</p> | <p>CIVIL AVIATION AUTHORITY OF BANGLADESH</p> <p>KURMITOLA, DHAKA-1229, BANGLADESH</p> | | TAXIWAY GENERAL PLAN(T12) | | | | | | | | |
| | | | BASIC DESIGN | | | | | | | | |
| | | | SCALE : 1 : 2,000 | | | | | | | | |
| | | | DRAWING NO. : No. 20 | | | | | | | | |
| | | | | | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER | |



TAXIWAY PLAN (T12) S = 1 : 1,000



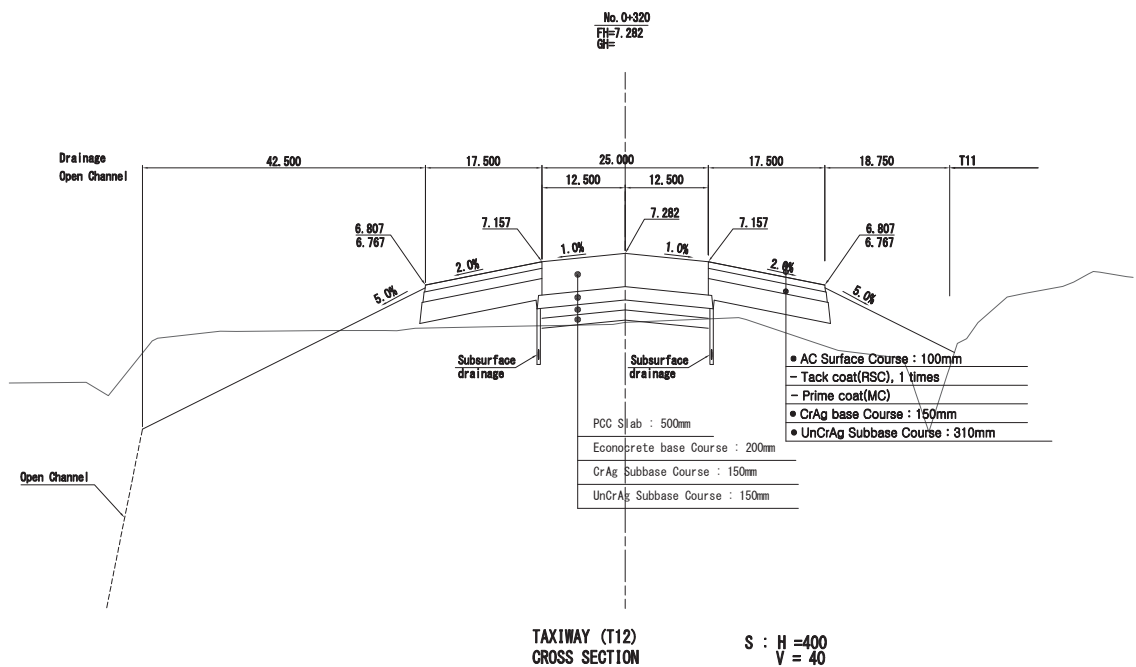
| Station | Existing Ground Level | Final Level | Cut Height(M) | Fill Height(M) | Vertical Alignment |
|---------|-----------------------|-------------|---------------|----------------|-----------------------------|
| 0.000 | 7.572 | 7.882 | 0.310 | 0.101 | 7.882 |
| 20.000 | 7.598 | 7.682 | 0.108 | 0.089 | $i=1.000\%$ $L=60.000m$ |
| 40.000 | 7.598 | 7.482 | 0.108 | 0.118 | 7.282 |
| 60.000 | 7.409 | 7.320 | 0.089 | 0.047 | $i=0.000\%$ $L=392.800m$ |
| 80.000 | 7.400 | 7.282 | 0.118 | 0.047 | 7.282 |
| 100.000 | 7.329 | 7.282 | 0.047 | 0.047 | 7.282 |
| 120.000 | 7.139 | 7.282 | 0.149 | 0.136 | 7.282 |
| 140.000 | 7.146 | 7.282 | 0.136 | 0.408 | 7.282 |
| 160.000 | 6.874 | 7.282 | 0.408 | 0.877 | 7.282 |
| 180.000 | 6.405 | 7.282 | 0.877 | 1.453 | 7.282 |
| 200.000 | 5.829 | 7.282 | 1.453 | 1.442 | 7.282 |
| 220.000 | 5.846 | 7.282 | 1.442 | 1.266 | 7.282 |
| 240.000 | 6.016 | 7.282 | 1.266 | 1.468 | 7.282 |
| 260.000 | 5.814 | 7.282 | 1.468 | 0.739 | 7.282 |
| 280.000 | 6.544 | 7.282 | 0.739 | 1.012 | 7.282 |
| 300.000 | 6.270 | 7.282 | 1.012 | 1.037 | 7.282 |
| 320.000 | 6.245 | 7.282 | 1.037 | 1.137 | 7.282 |
| 340.000 | 6.145 | 7.282 | 1.137 | 1.186 | 7.282 |
| 360.000 | 6.098 | 7.282 | 1.186 | 1.136 | 7.282 |
| 380.000 | 6.146 | 7.282 | 1.136 | 1.236 | 7.282 |
| 400.000 | 6.046 | 7.282 | 1.236 | 1.265 | 7.282 |
| 420.000 | 6.017 | 7.282 | 1.265 | 1.342 | 7.282 |
| 440.000 | 5.940 | 7.282 | 1.342 | 1.496 | $i=0.450\%$ $L=96.000m$ |
| 460.000 | 5.810 | 7.314 | 1.496 | 2.055 | 7.714 |
| 480.000 | 5.346 | 7.404 | 2.055 | 2.800 | 7.714 |
| 500.000 | 4.694 | 7.494 | 2.800 | 3.634 | 7.714 |
| 520.000 | 3.950 | 7.584 | 3.634 | 3.919 | 7.714 |
| 540.000 | 3.755 | 7.674 | 3.919 | 4.060 | 7.714 |
| 548.800 | 3.648 | 7.714 | 4.060 | | |

PROFILE H = 1,000, V = 100

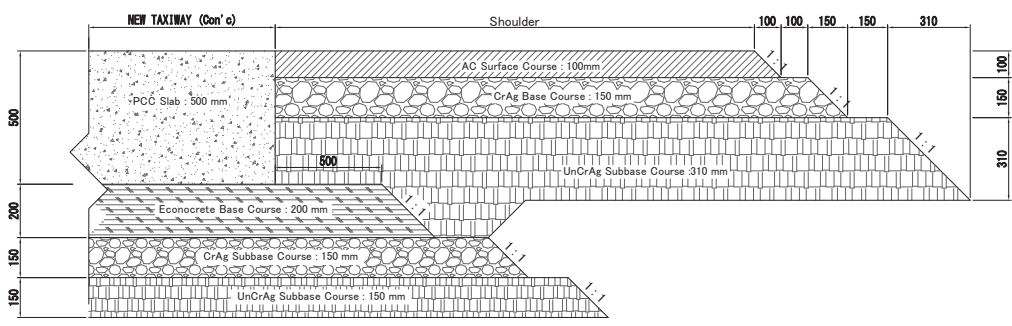
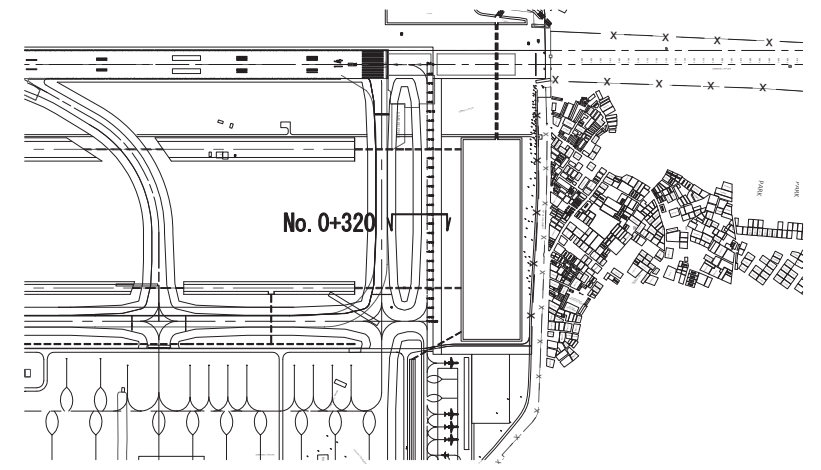
| | | | | | | | | | | |
|--|--|---------------------|--|---------------------|-------------------------|-----------------------|---|---------------------|----------------------|----------------------|
| PROJECT NAME : HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT | CLIENT : CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | CONSULTANT : | DRAWING TITLE : TAXIWAY PLAN & PROFILE (T12) BASIC DESIGN SCALE : H = 1,000, V = 100 DRAWING NO. : No. 22 | | | DRAWN BY | CHECKED BY : REVIEWED BY : APPROVED BY : | CHECKED BY : | REVIEWED BY : | APPROVED BY : |
| | | | CHECKED BY | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER | | | | |
| | | | APPROVED BY | | | | | | | |
| | | | | | | | | | | |

A10-3-24

A10.3-25



KEY PLAN



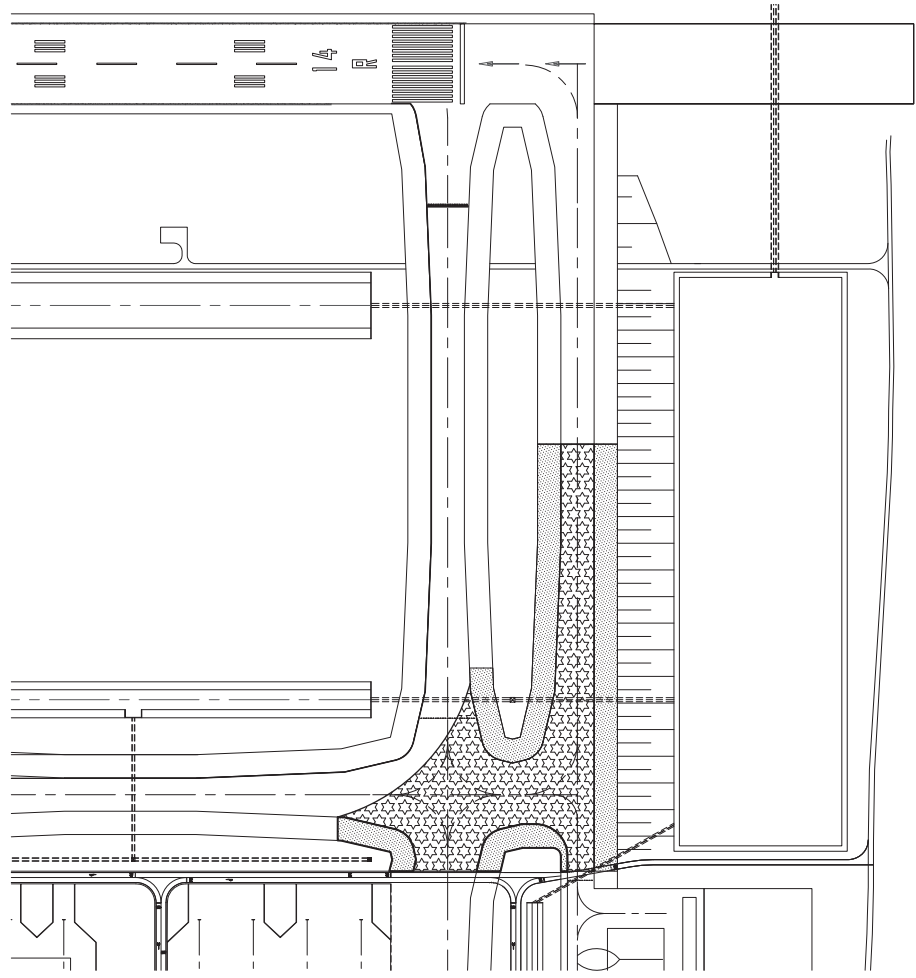
Taxiway(Con'c) and Shoulder Junction Details
 S = 1 : 10

PAVEMENT TYPICAL CROSS SECTION

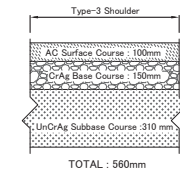
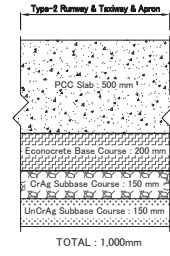
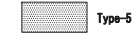
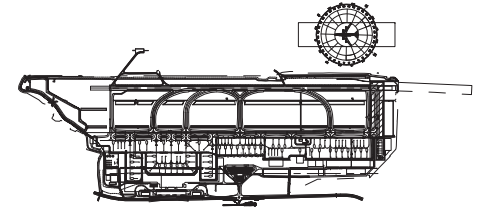
S : H =400
 V = 40

| | | | | | | | | | |
|---|---|--------------|--------------------------------|----------|------------|-------------|--------------|------------------|----------------|
| PROJECT NAME : HSIA HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT | CLIENT: CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | CONSULTANT : | DRAWING TITLE : | DRAWN BY | CHECKED BY | APPROVED BY | CHECKED BY: | REVIEWED BY: | APPROVED BY: |
| | | | PAVEMENT TYPICAL CROSS SECTION | | | | | | |
| | | | BASIC DESIGN | | | | | | |
| | | | SCALE : H=1:400 V=1:40 | | | | | | |
| | | | DRAWING NO. : No. 23 | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER |

A10.3-27



KEY PLAN

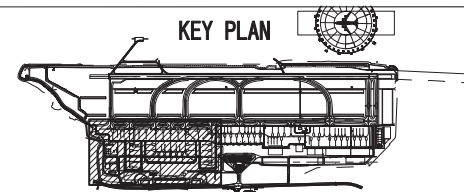




PAVEMENT LAYOUT PLAN

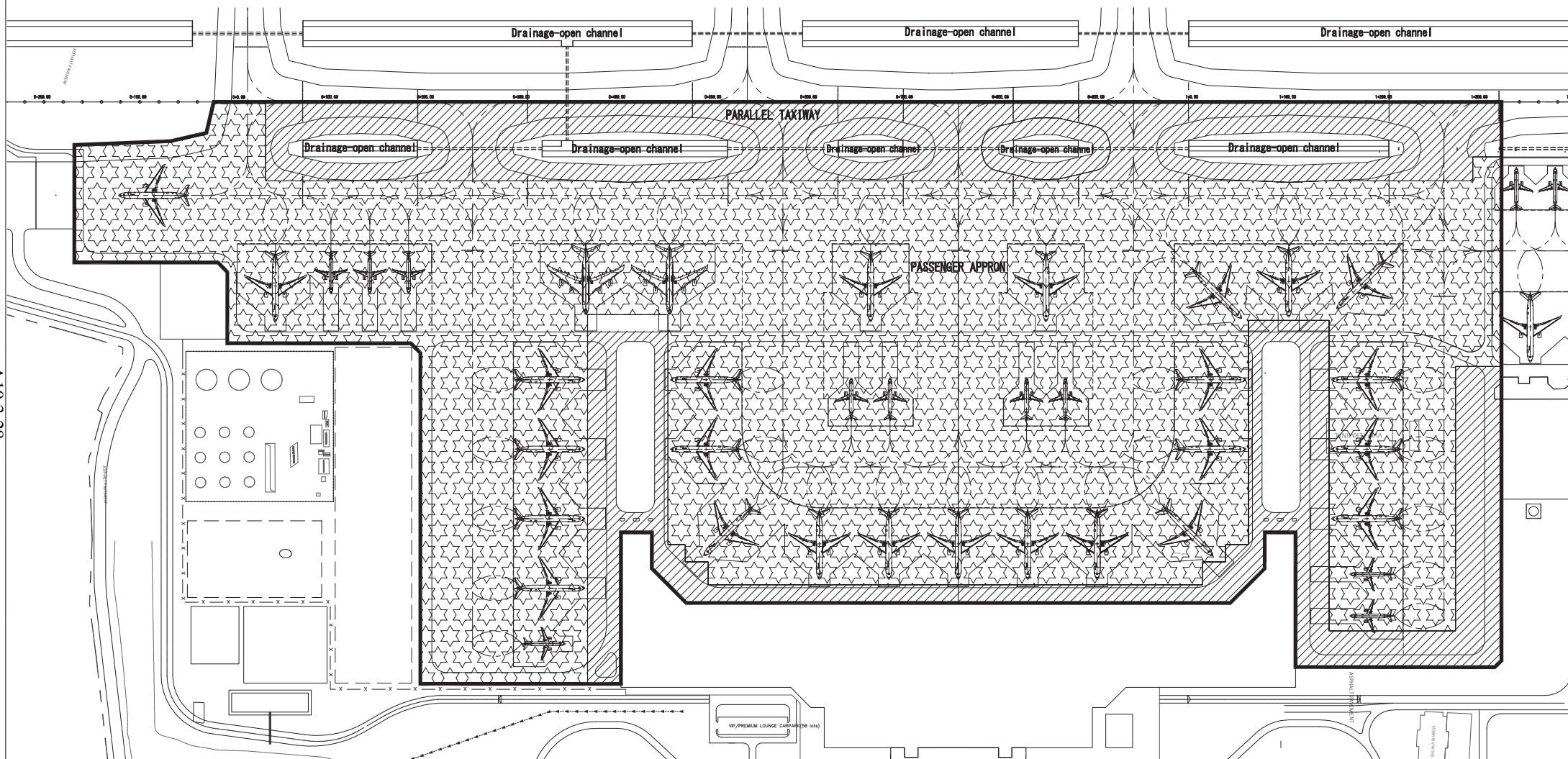
S = 2,000

| | | | | | |
|---|---|---------------------|---|---------------------------------------|---|
| PROJECT NAME : HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT | CLIENT : CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | CONSULTANT : | DRAWING TITLE : PAVEMENT LAYOUT PLAN BASIC DESIGN SCALE : 1:2,000 DRAWING NO. : No. 25 | DRAWN BY CHECKED BY APPROVED BY | CHECKED BY: REVIEWED BY: APPROVED BY: |
| | | | | | |

KEY PLAN




 CONCRETE PAVEMENT
 ASPHALT PAVEMENT



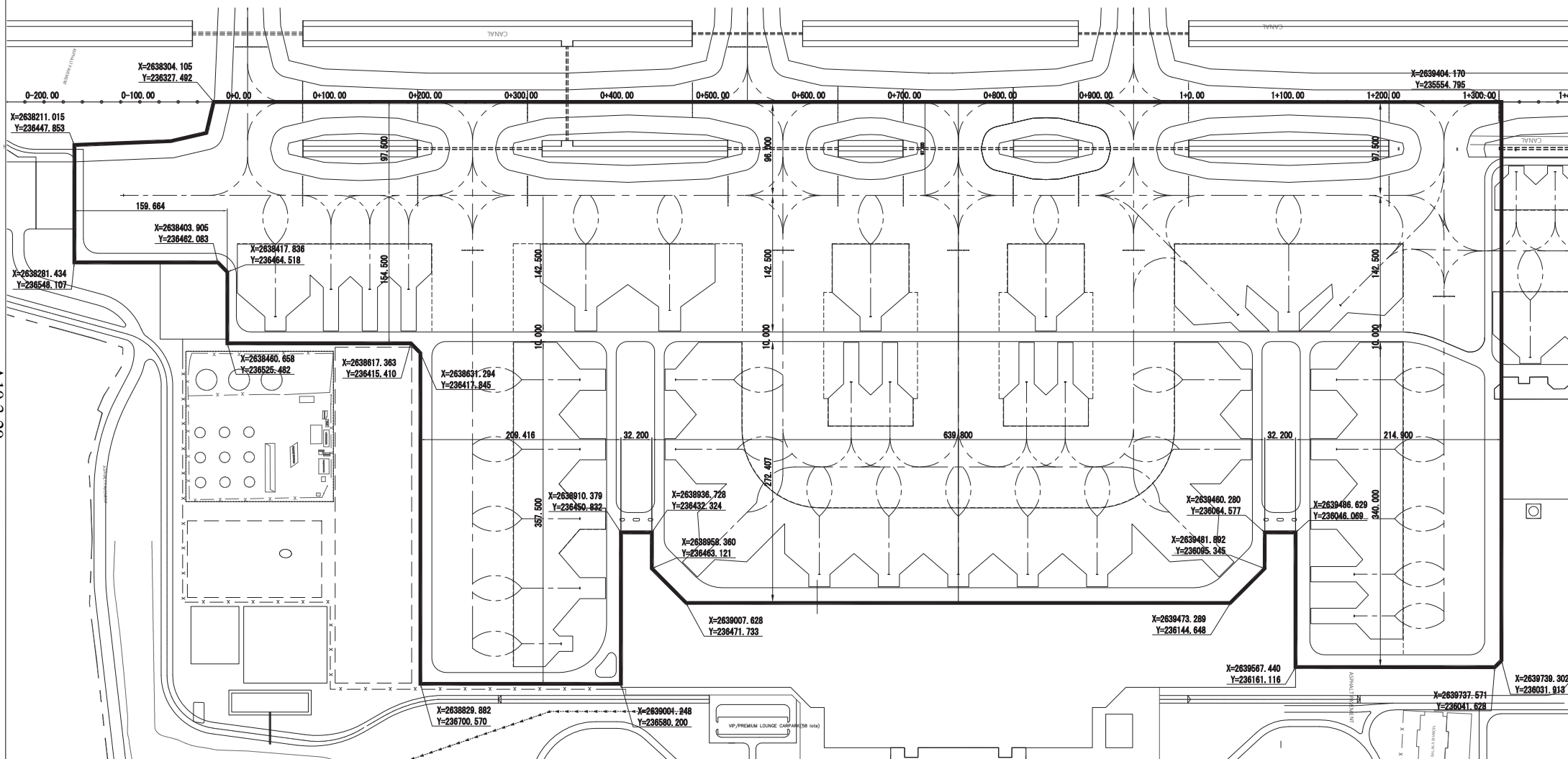
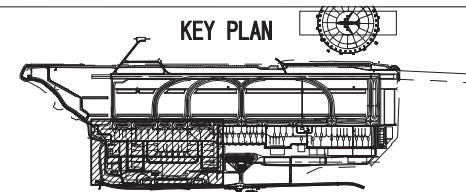
APRON GENERAL PLAN

S = 2,000

A10.3-28

| | | | | | | |
|--|--|---------------------|--|--|--|---|
| <p>PROJECT NAME : HSIA HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT</p> | <p>CLIENT :  CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH</p> | <p>CONSULTANT :</p> | <p>DRAWING TITLE : APRON GENERAL PLAN BASIC DESIGN SCALE : 1 : 2,000 DRAWING NO. : No. 26</p> | <p>DRAWN BY CHECKED BY APPROVED BY</p> | <p>CHECKED BY: REVIEWED BY: APPROVED BY:</p> | <p>THE ENGINEER PROJECT DIRECTOR CHIEF ENGINEER</p> |
|--|--|---------------------|--|--|--|---|

KEY PLAN

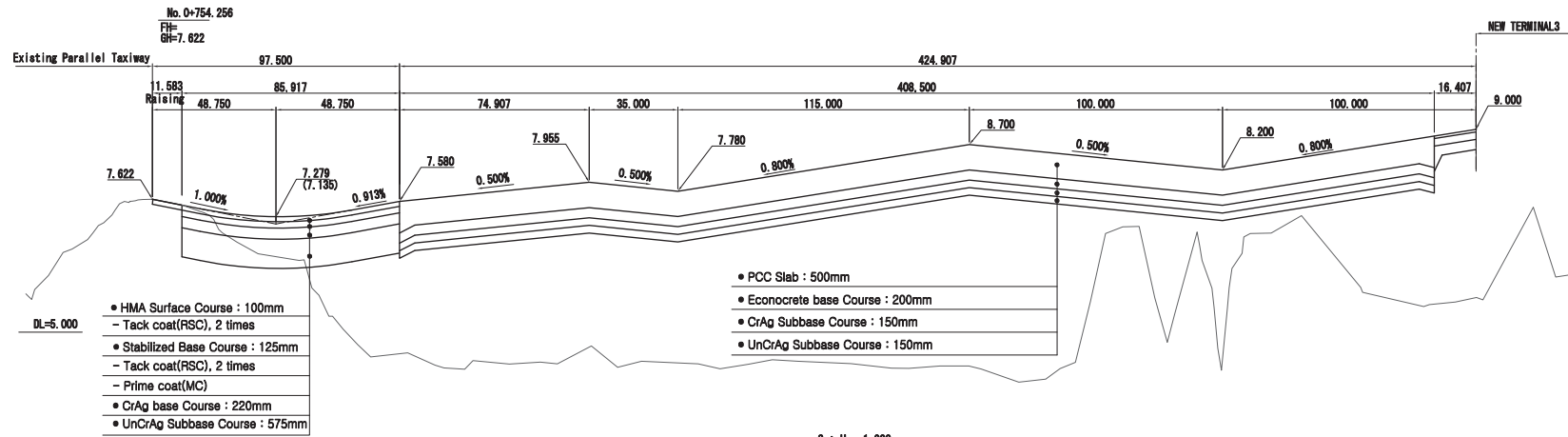
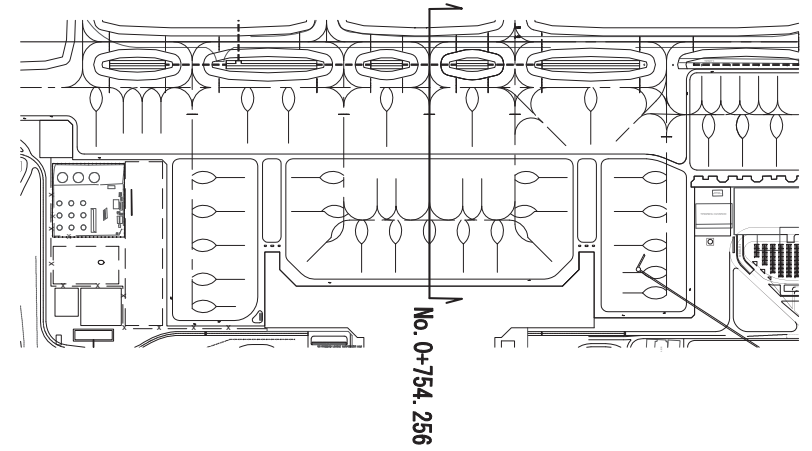


GEOMETRIC OF BASIC POINTS S = 2,000

| | | | | | |
|--|---|---------------------|--|--|--|
| <p>PROJECT NAME : HSIA HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT</p> | <p>CLIENT : CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH</p> | <p>CONSULTANT :</p> | <p>DRAWING TITLE : GEOMETRIC OF BASIC POINTS BASIC DESIGN SCALE : 1 : 2,000 DRAWING NO. : No. 27</p> | <p>DRAWN BY CHECKED BY APPROVED BY</p> | <p>CHECKED BY: REVIEWED BY: APPROVED BY: THE ENGINEER PROJECT DIRECTOR CHIEF ENGINEER</p> |
|--|---|---------------------|--|--|--|

A10.3-29

KEY PLAN





No. 0+754.256 CROSS SECTION S : H = 1,000
V = 50

PAVEMENT TYPICAL CROSS SECTION

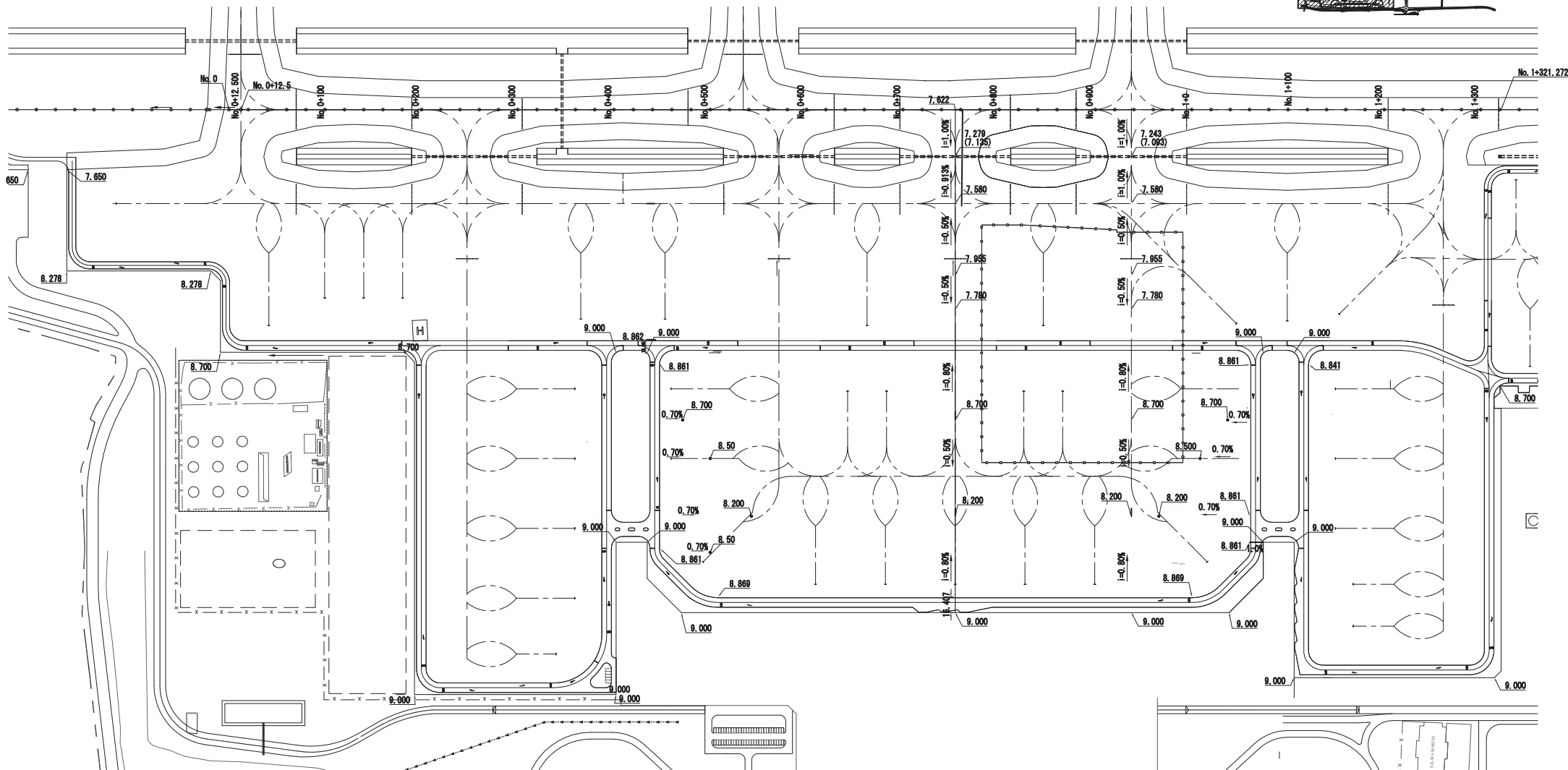
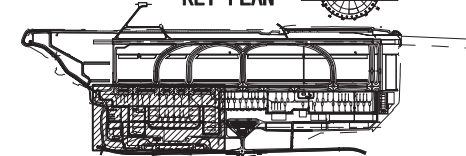
Apron (Con' c)

S : H = 1,000
V = 50

A10.3-30


| | | | | | | | | | | | | |
|--|---|--------------|--------------------------------|--|--|---------------|--|--------------|------------------|----------------|--|--|
| PROJECT NAME : | CLIENT : | CONSULTANT : | DRAWING TITLE : | | | DRAWN BY : | | CHECKED BY : | REVIEWED BY : | APPROVED BY : | | |
|  HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT |  CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | | PAVEMENT TYPICAL CROSS SECTION | | | CHECKED BY : | | | | | | |
| | | | BASIC DESIGN | | | APPROVED BY : | | | | | | |
| | | | SCALE : H=1 : 1,000 V=1 : 50 | | | | | | | | | |
| | | | DRAWING NO. : No. 28 | | | | | | | | | |
| | | | | | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER | | |

KEY PLAN



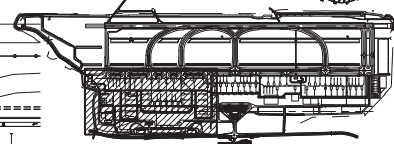
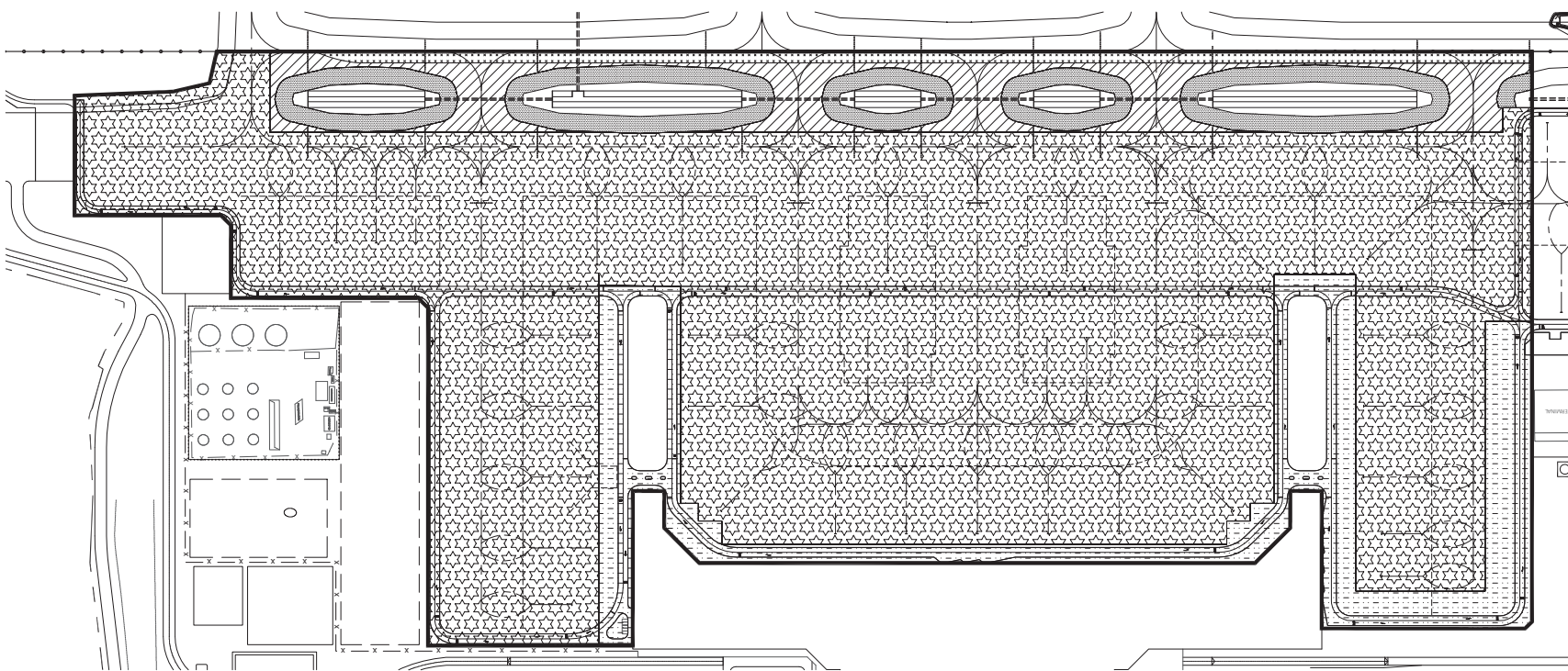
PAVEMENT HEIGHTS PLAN

S = 2,000

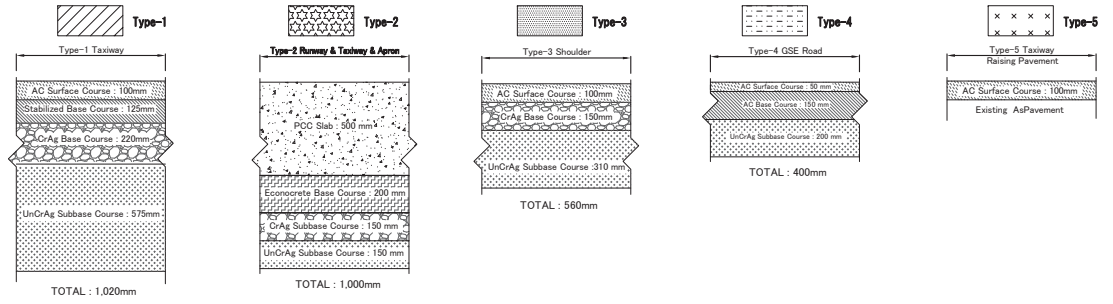
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|--|--|---------------------|---|--|--|---|
| <p>PROJECT NAME : HSIA HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT</p> | <p>CLIENT :  CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH</p> | <p>CONSULTANT :</p> | <p>DRAWING TITLE : PAVEMENT HEIGHTS PLAN BASIC DESIGN SCALE : 1:2,000 DRAWING NO. : No. 29</p> | <p>DRAWN BY CHECKED BY APPROVED BY</p> | <p>CHECKED BY: REVIEWED BY: APPROVED BY:</p> | <p>THE ENGINEER PROJECT DIRECTOR CHIEF ENGINEER</p> |
|--|--|---------------------|---|--|--|---|

A10-3-31

KEY PLAN





A10.3-32

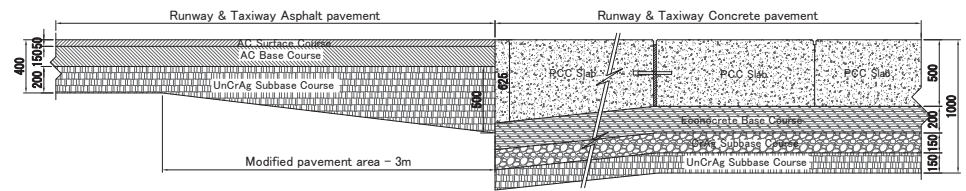


PAVEMENT LAYOUT PLAN

S = 2, 500

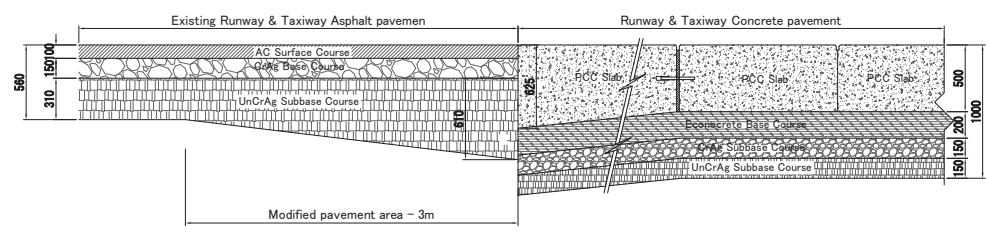
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|--|---|--------------|----------------------|--|--|---------------|--|--------------|------------------|----------------|--|
| PROJECT NAME : | CLIENT : | CONSULTANT : | DRAWING TITLE : | | | DRAWN BY : | | CHECKED BY : | REVIEWED BY : | APPROVED BY : | |
|  HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT |  CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | | PAVEMENT LAYOUT PLAN | | | CHECKED BY : | | | | | |
| | | | BASIC DESIGN | | | APPROVED BY : | | | | | |
| | | | SCALE : 1 : 2, 500 | | | | | | | | |
| | | | DRAWING NO. : No. 30 | | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER | |

A10.3-33



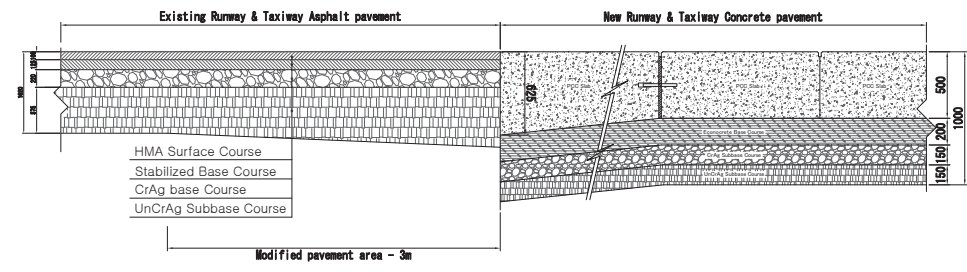
Terminal 3 Front (Asphalt) and Terminal 3 Apron (Con'c) Junction Details

S = 1 : 200



Taxiway and Apron (Con'c) Junction Details



S = 1 : 200



Taxiway and Apron (Con'c) Junction Details

S = 1 : 200

PAVEMENT JUNCTION DETAILS S = 1 : 200

| | | | | | | | | | | |
|--|---|--------------|---------------------------|--|--|-------------|--|--------------|------------------|----------------|
| PROJECT NAME : | CLIENT : | CONSULTANT : | DRAWING TITLE : | | | DRAWN BY | | CHECKED BY : | REVIEWED BY : | APPROVED BY : |
|  HAZRAT SHAHJALAL INTERNATIONAL AIRPORT PREPARATELY SURVEY OF EXPANSION OF HAZRAT SHAHJALAL INTERNATIONAL AIRPORT |  CIVIL AVIATION AUTHORITY OF BANGLADESH KURMITOLA, DHAKA-1229, BANGLADESH | | PAVEMENT JUNCTION DETAILS | | | CHECKED BY | | | | |
| | | | BASIC DESIGN | | | APPROVED BY | | | | |
| | | | SCALE : H=1 : 200 | | | | | | | |
| | | | DRAWING NO. : No. 31 | | | | | | | |
| | | | | | | | | THE ENGINEER | PROJECT DIRECTOR | CHIEF ENGINEER |

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