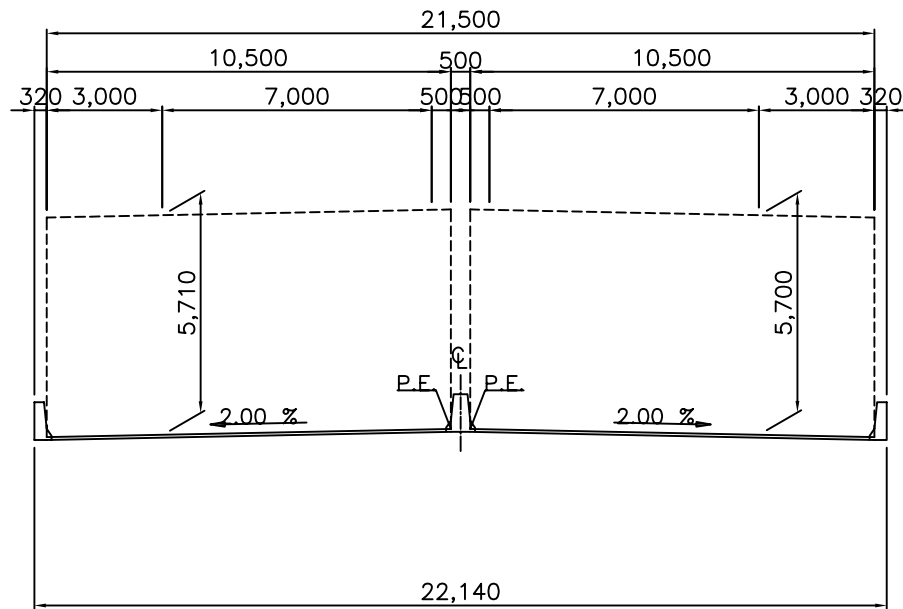


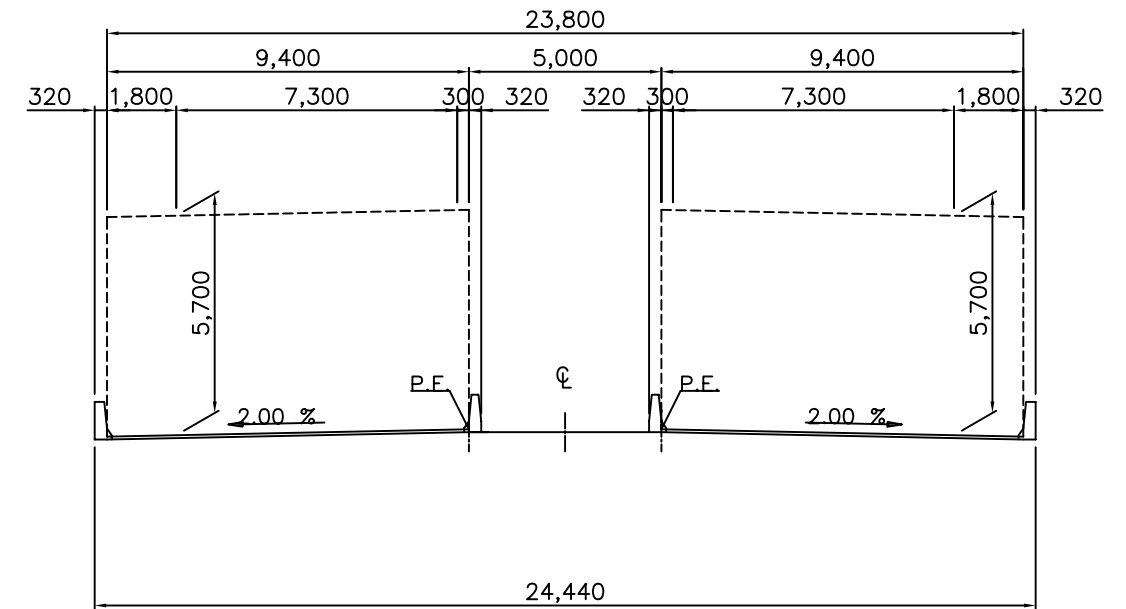
(Alternative H1, H2, H3 & Reference)

STANDARD CROSS SECTION (1) S=1/200

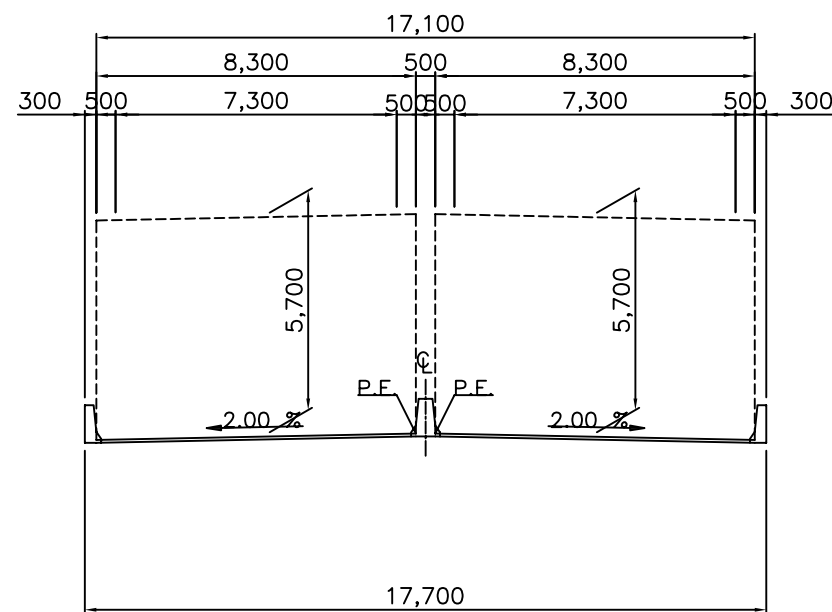
Alternative-H1,H2 (AH Sub-Standard/No Future Railway)



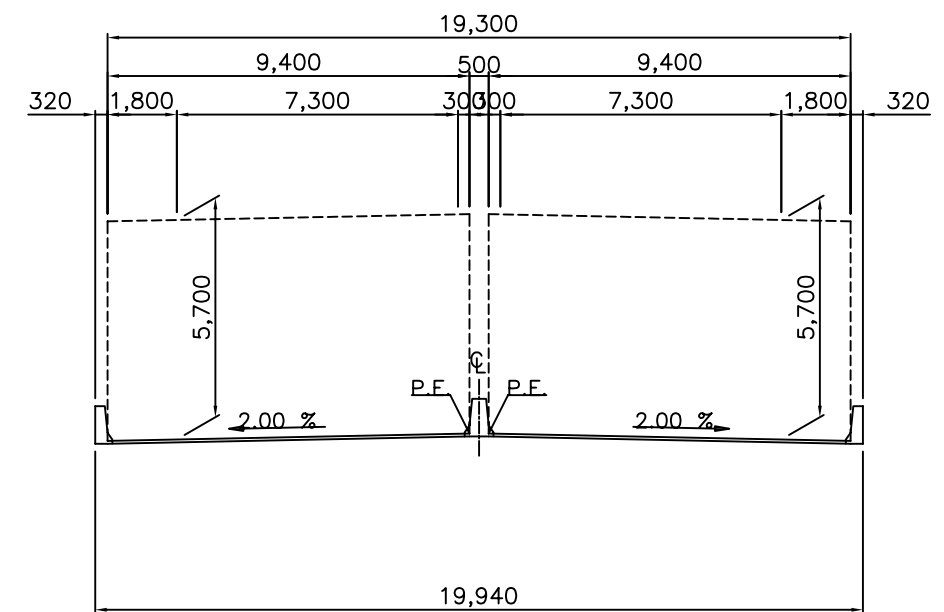
Reference (RHD Standard/Future Railway)



Alternative-H3 (Minimum Investment Case)



Reference (RHD Standard/No Future Railway)



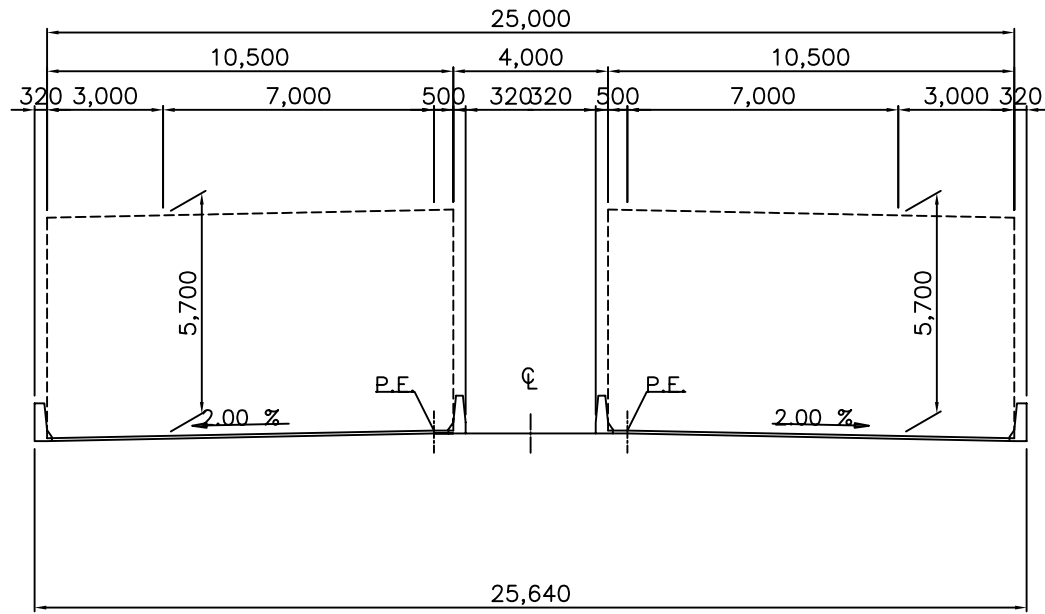
General Notes :  
Unless otherwise shown , all dimensions are in mm.

(Alternative HR, HR2)

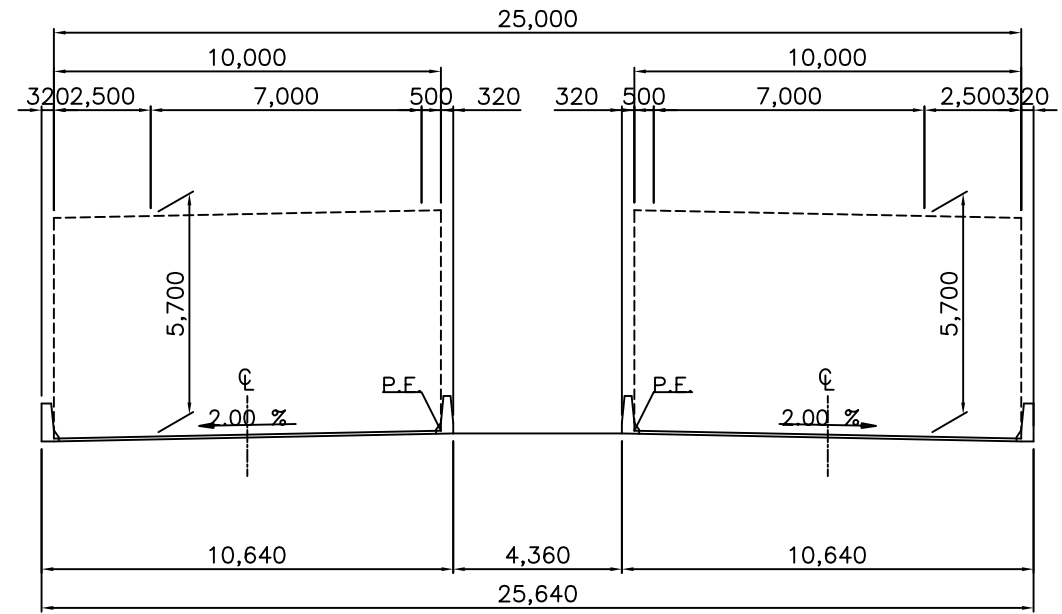
STANDARD CROSS SECTION (2) S=1/200

(AH Standard/Future Railway)

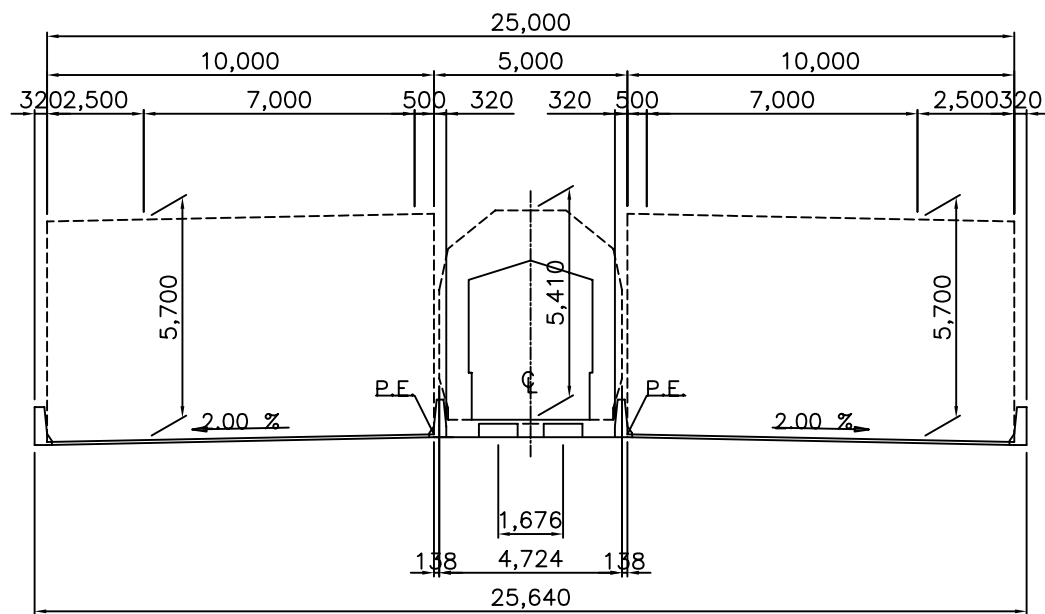
Initial Stage (Cross Section A-A)



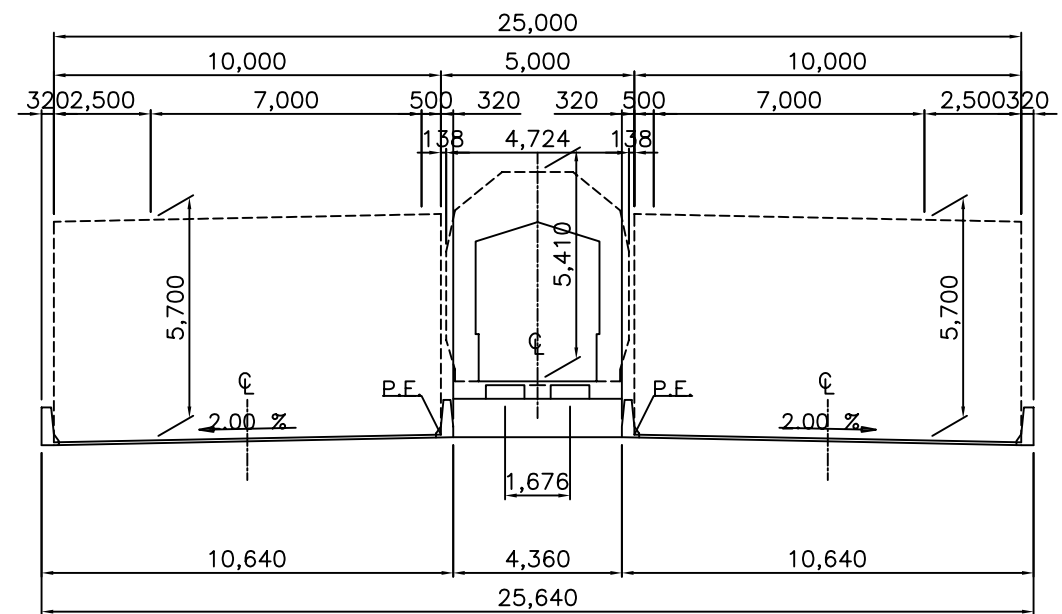
Initial Stage (Cross Section B-B)



Future Stage (Cross Section A-A)



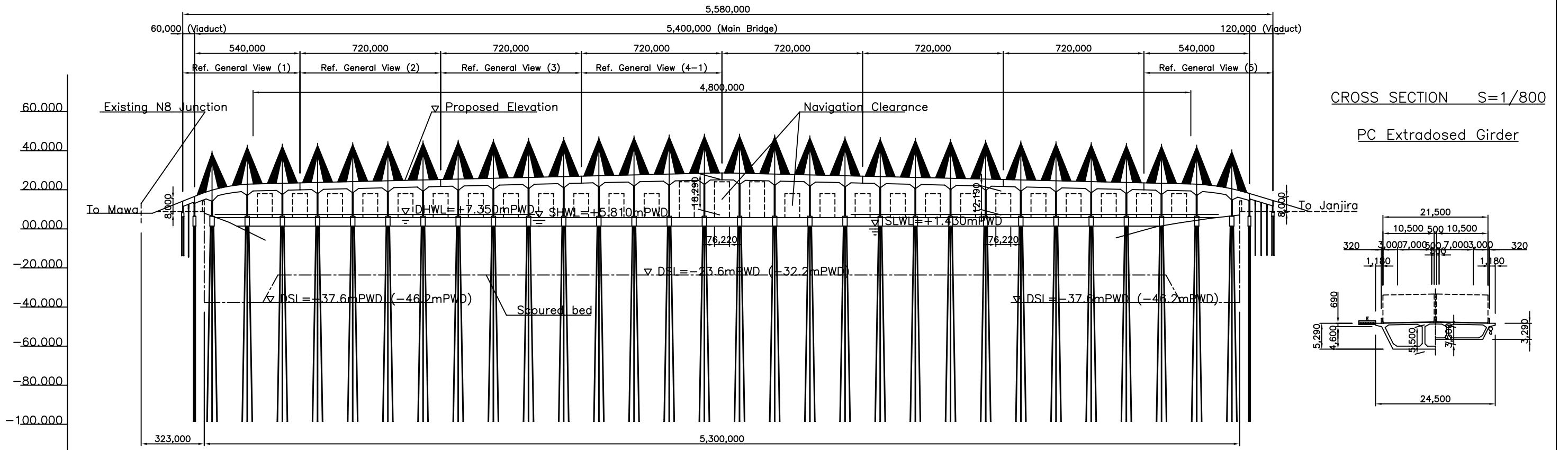
Future Stage (Cross Section B-B)



General Notes :  
Unless otherwise shown , all dimensions are in mm.

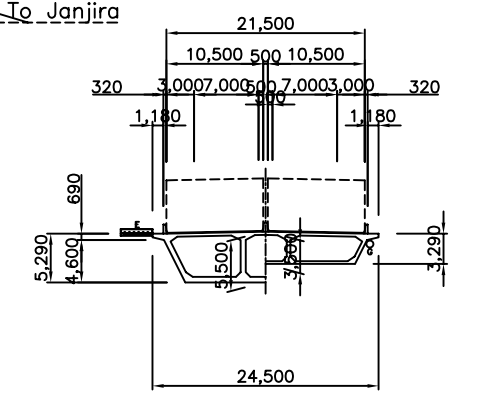
(Alternative H1)

SIDE VIEW V=1/2,000 H=1/20,000



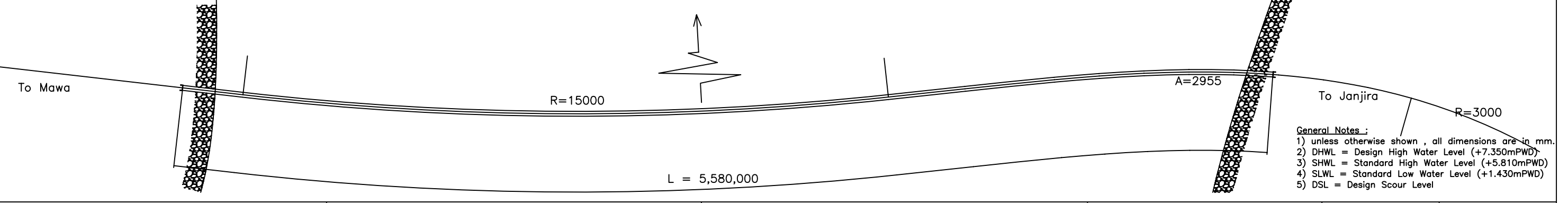
CROSS SECTION S=1/800

PC Extradosed Girder



	213,000	210,000	2,550,000	2,550,000	270,000
	VCL=300,000	VCL=300,000	VCL=10,000	VCL=10,000	VCL=300,000
	VCR=8,000,000	VCR=8,000,000	VCR=14,700,000	VCR=14,700,000	VCR=10,900,000
	2.00%	2.00%	2.24%	2.24%	3.00%
	+22.600	+22.600	+28.700	+28.700	+22.600
P.E.	+14.200	+21.190	+28.660	+21.570	+14.500
G.L.	+8.000	+8.850	+8.850	+8.850	+8.850
STA.	km0+000.00	km0+213.00	km0+423.00	km2+973.00	km5+523.00
	km5+793.00				

PLAN S=1/20,000



- General Notes:
- 1) unless otherwise shown, all dimensions are in mm.
  - 2) DHWL = Design High Water Level (+7.350mPWD)
  - 3) SHWL = Standard High Water Level (+5.810mPWD)
  - 4) SLWL = Standard Low Water Level (+1.430mPWD)
  - 5) DSL = Design Scour Level

JAMUNA MULTIPURPOSE BRIDGE AUTHORITY  
THE PEOPLE'S REPUBLIC OF BANGLADESH

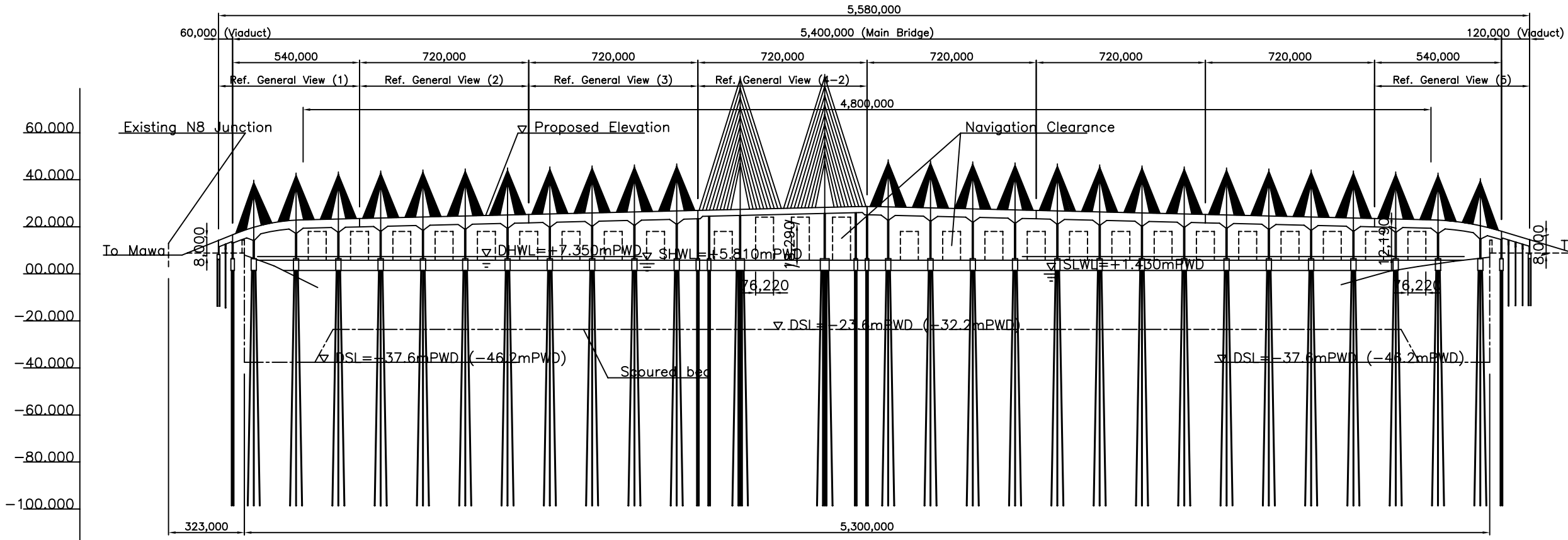
THE FEASIBILITY STUDY OF PADMA BRIDGE  
IN THE PEOPLE'S REPUBLIC OF BANGLADESH

**JICA** JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
**NK** NIPPON KOEI CO., LTD. in Association with  
**CPC** CONSTRUCTION PROJECT CONSULTANTS, INC.

TITLE :	DATE :	SHEET NO.
Side View & Plan Drawing (Alternative H1)	MARCH-2005	PDM FS C3

(Alternative H2)

SIDE VIEW V=1/2,000 H=1/20,000

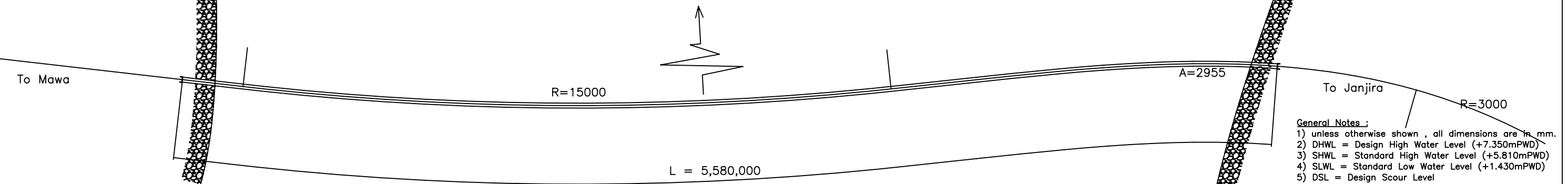


CROSS SECTION S=1/800

PC Extradosed Girder

	213,000	210,000	2,550,000	2,550,000	270,000
	VCL=300,000 VCR=8,000,000		VCL=70,000 VCR=14,700,000	VCL=300,000 VCR=10,900,000	
	4.00%		0.24%	0.24%	3.00%
	+22.600		+28.700	+22.600	
P.E.		+14.200 +21.190	+28.660	+21.570	+14.500
G.L.	+8.000	+8.850		+8.850	+8.850
STA.	km0+000.00	km0+213.00 km0+423.00	km2+973.00	km5+523.00	km5+793.00

PLAN S=1/20,000



- General Notes :
- 1) unless otherwise shown , all dimensions are in mm.
  - 2) DHWL = Design High Water Level (+7.350mPWD)
  - 3) SHWL = Standard High Water Level (+5.810mPWD)
  - 4) SLWL = Standard Low Water Level (+1.430mPWD)
  - 5) DSL = Design Scour Level

JAMUNA MULTIPURPOSE BRIDGE AUTHORITY  
THE PEOPLE'S REPUBLIC OF BANGLADESH

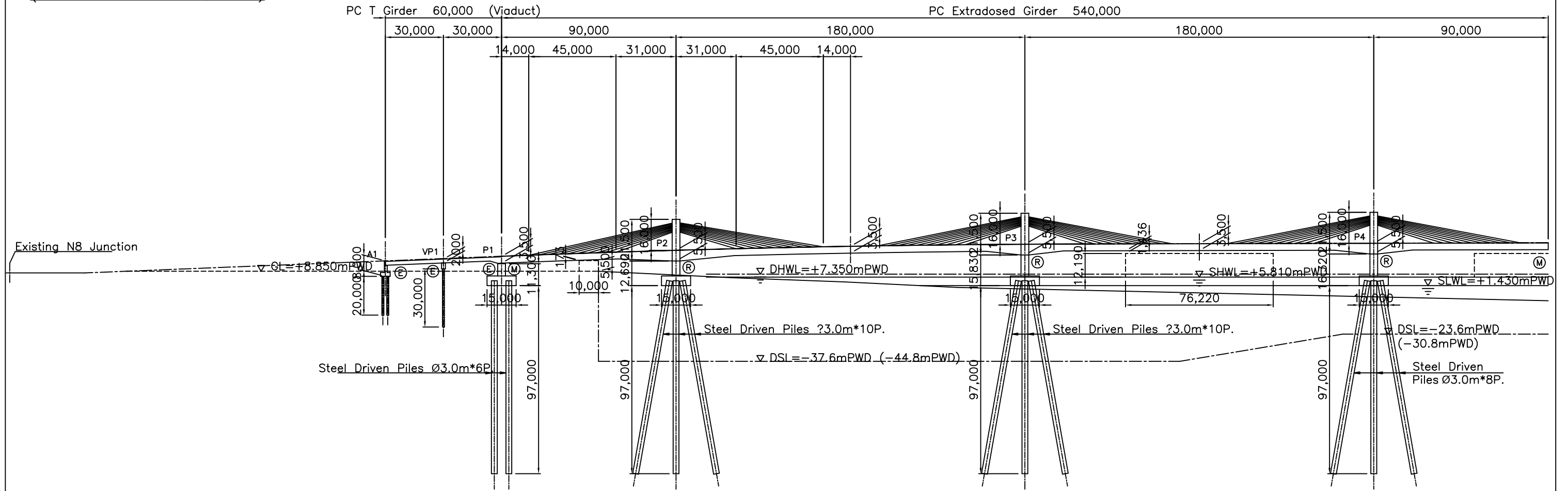
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IN THE PEOPLE'S REPUBLIC OF BANGLADESH

**JICA** JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
**NK** NIPPON KOEI CO., LTD. in Association with  
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TITLE :	DATE :	SHEET NO.
Side View & Plan Drawing (Alternative H2)	MARCH-2005	PDM FS C4

(Alternative H1, H2)

GENERAL VIEW (1) ELEVATION S=1/2,000



CROSS SECTION Superstructure S=1/400

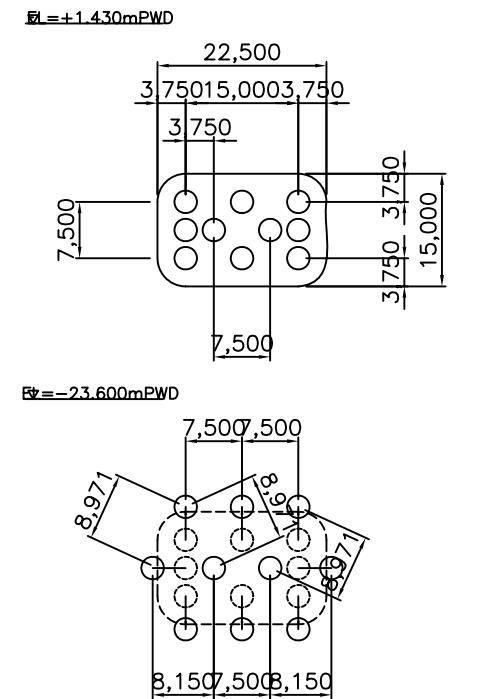
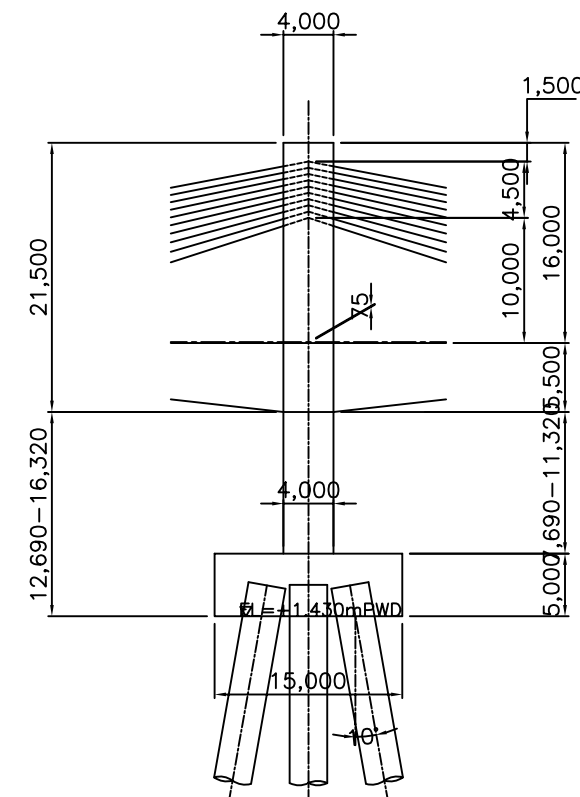
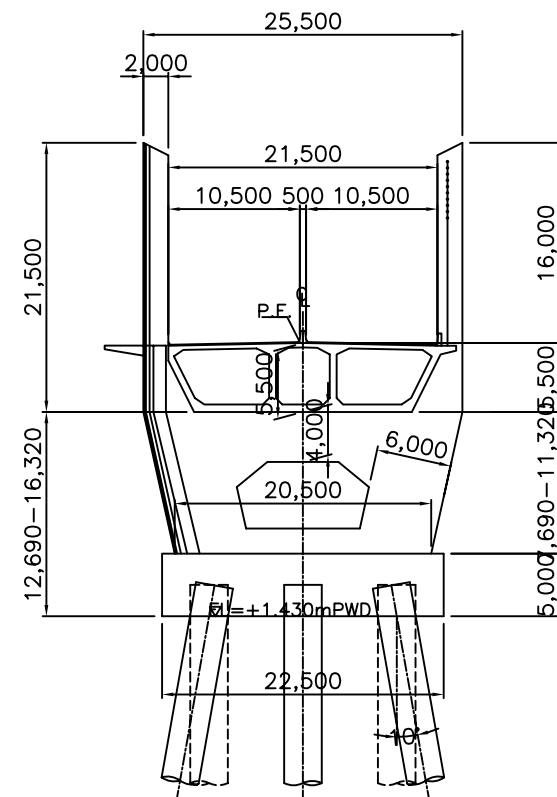
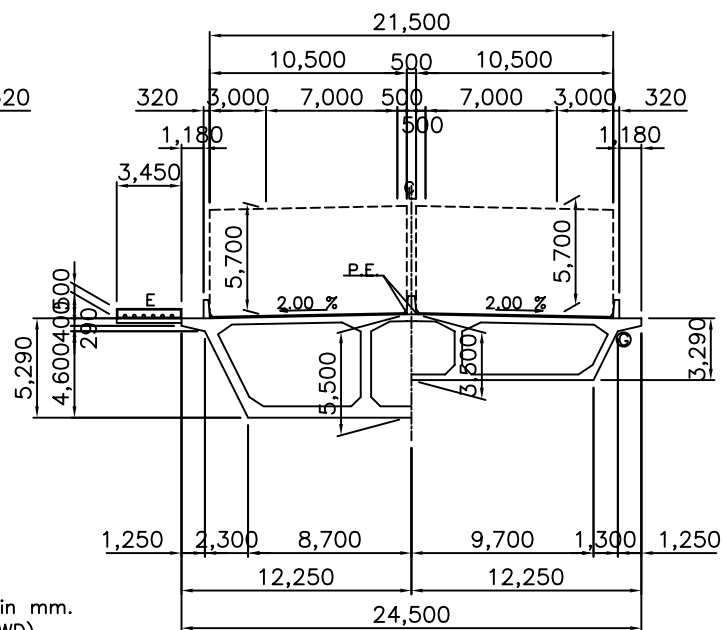
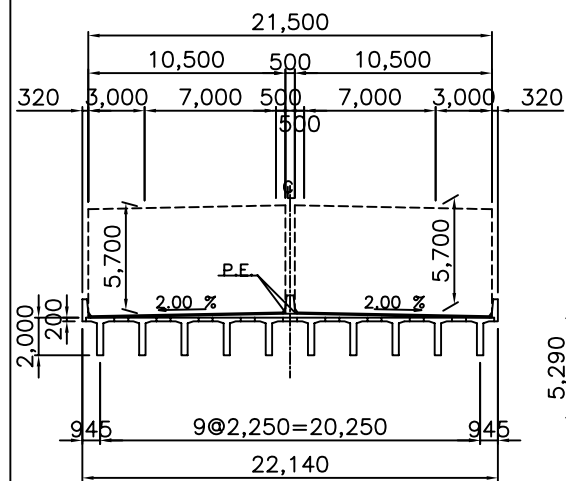
DETAIL Substructure S=1/600

PC T Girder

PC Extradosed Girder

P2,P3,P4

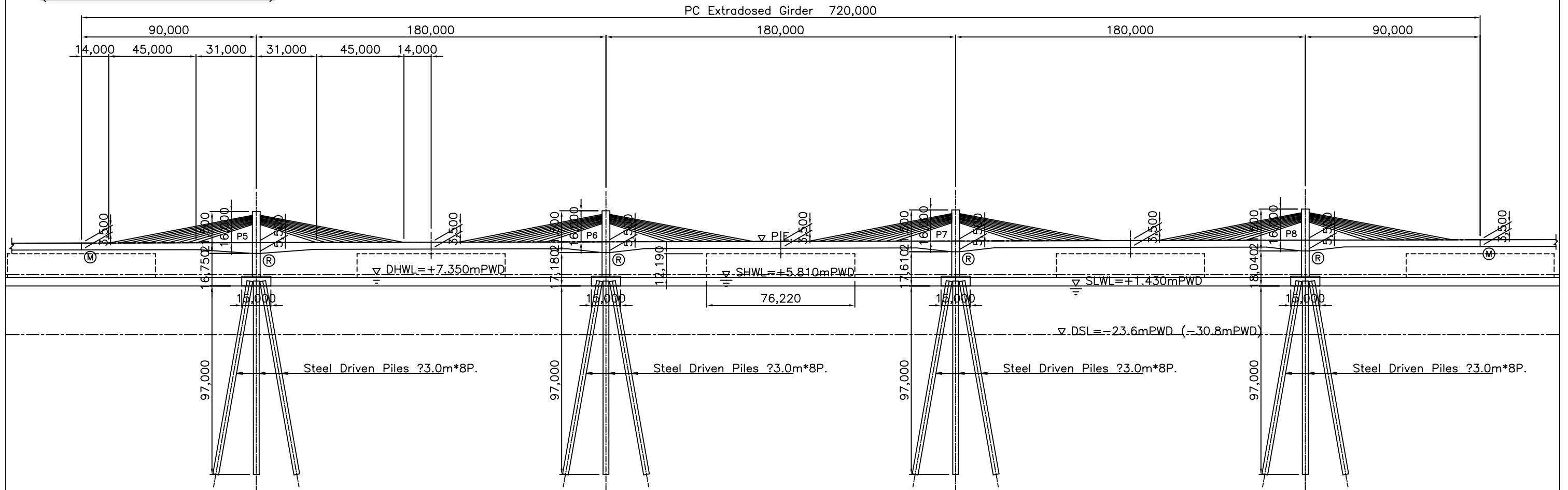
PLAN Piles (P2,P3) S=1/1,000



- General Notes :
- 1) unless otherwise shown , all dimensions are in mm.
  - 2) DHWL = Design High Water Level (+7.350mPWD)
  - 3) SHWL = Standard High Water Level (+5.810mPWD)
  - 4) SLWL = Standard Low Water Level (+1.430mPWD)
  - 5) DSL = Design Scour Level
  - 6) E : Electric line / G : Gas pipe line

(Alternative H1, H2)

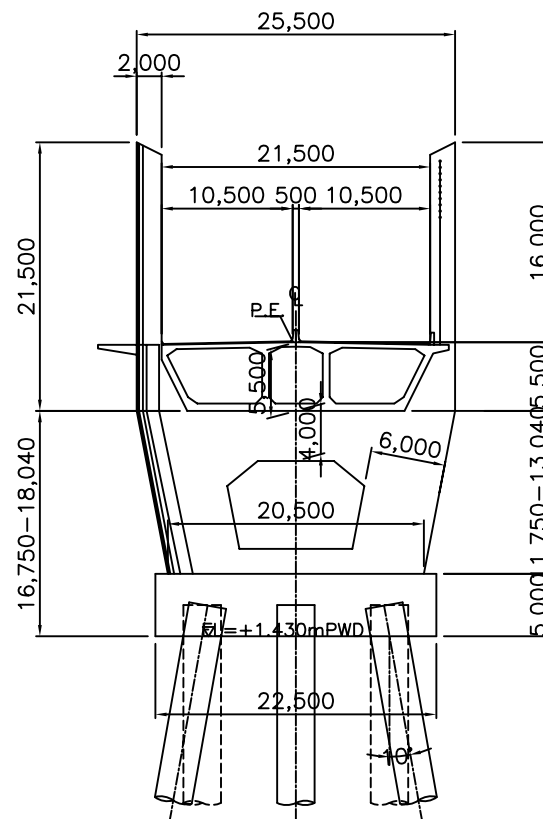
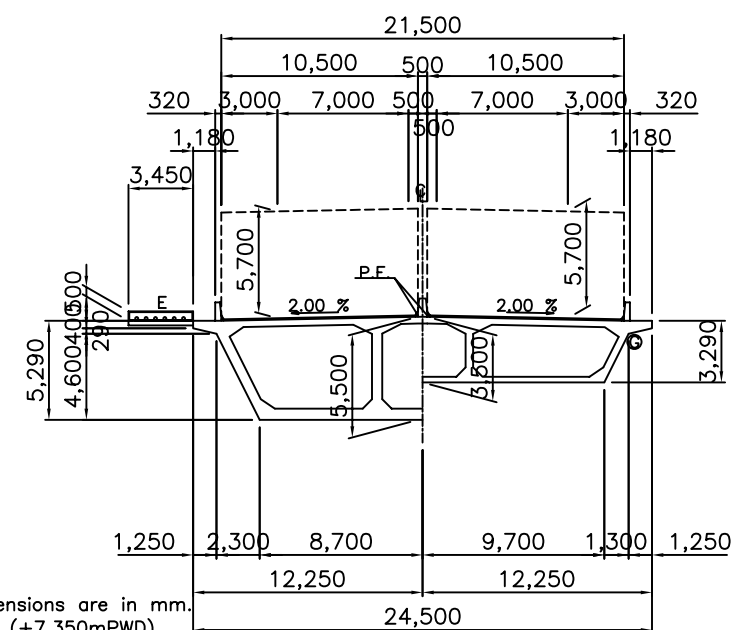
GENERAL VIEW (2) ELEVATION S=1/2,000



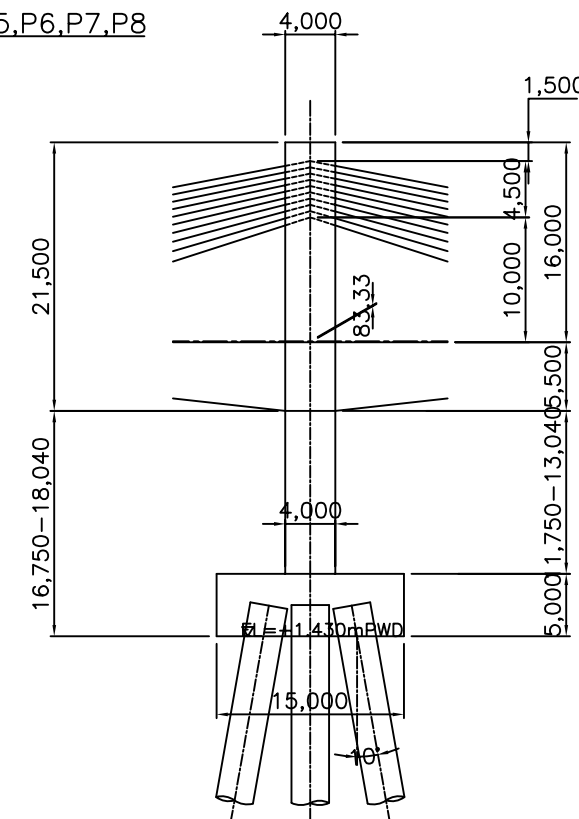
CROSS SECTION S=1/400

DETAIL Sub-structure S=1/600

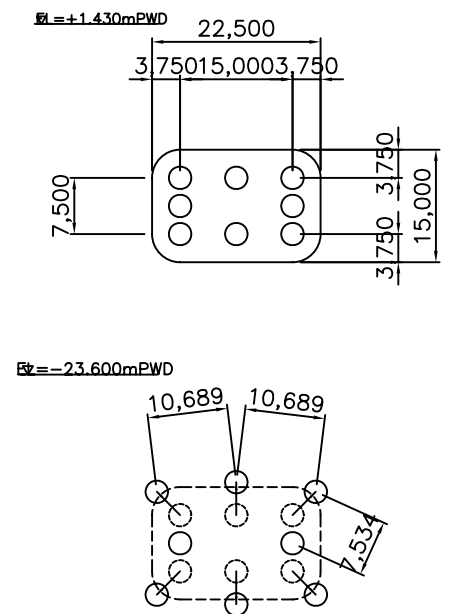
PC Extradosed Girder



P5,P6,P7,P8



PLAN Piles S=1/1,000

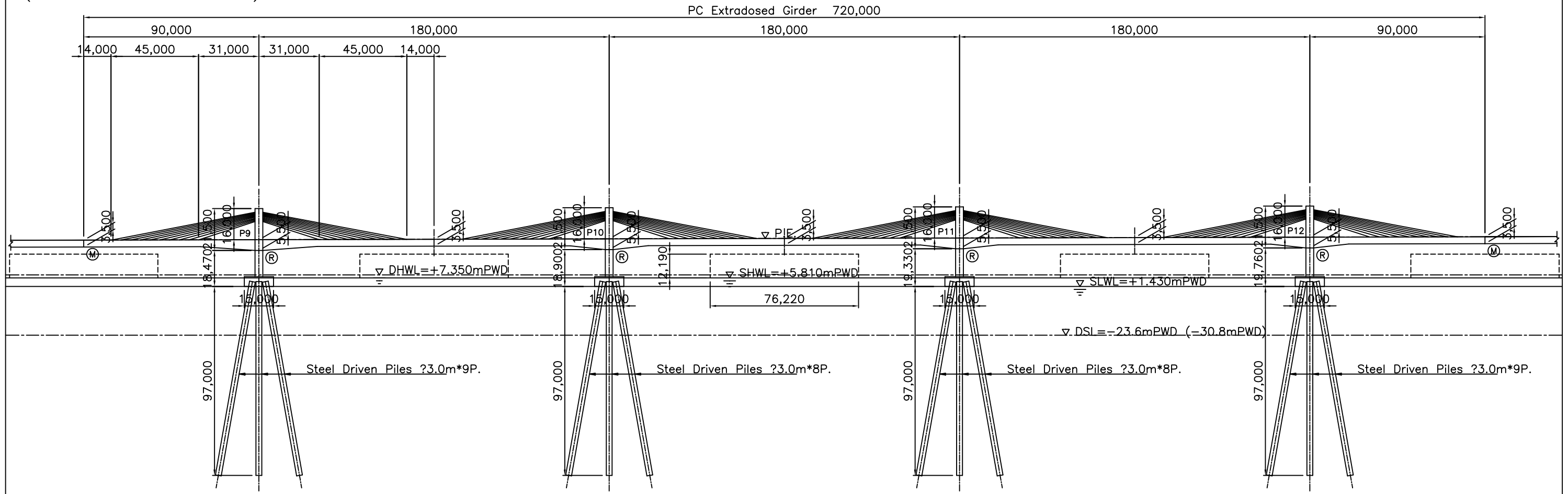


General Notes :

- 1) unless otherwise shown , all dimensions are in mm.
- 2) DHWL = Design High Water Level (+7.350mPWD)
- 3) SHWL = Standard High Water Level (+5.810mPWD)
- 4) SLWL = Standard Low Water Level (+1.430mPWD)
- 5) DSL = Design Scour Level
- 6) E : Electric line / G : Gas pipe line

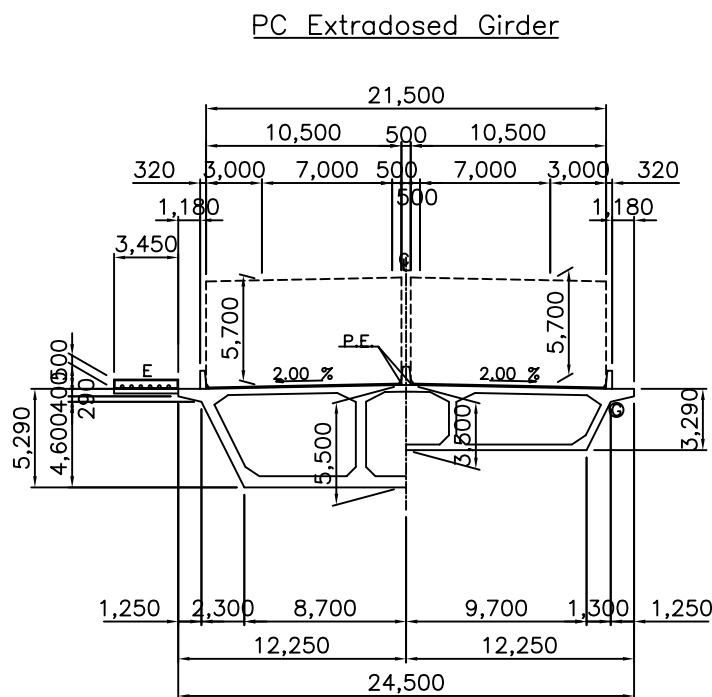
(Alternative H1, H2)

GENERAL VIEW (3) ELEVATION S=1/2,000

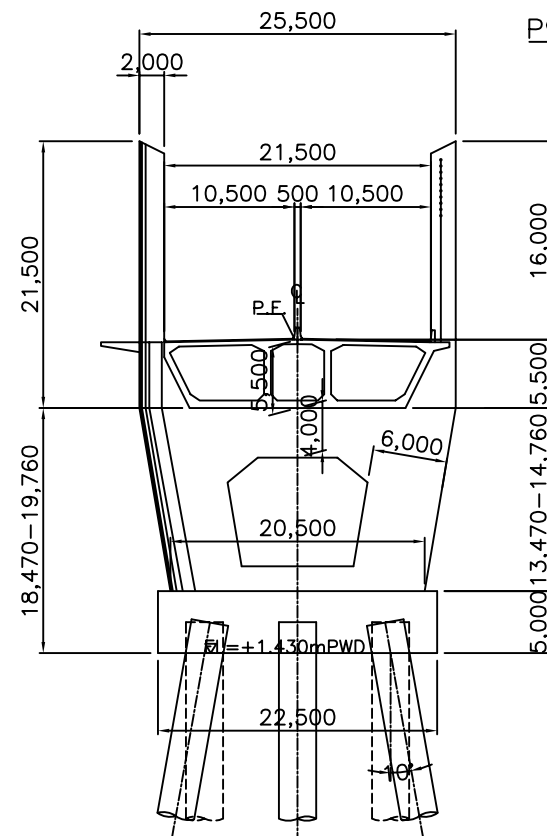


CROSS SECTION S=1/400

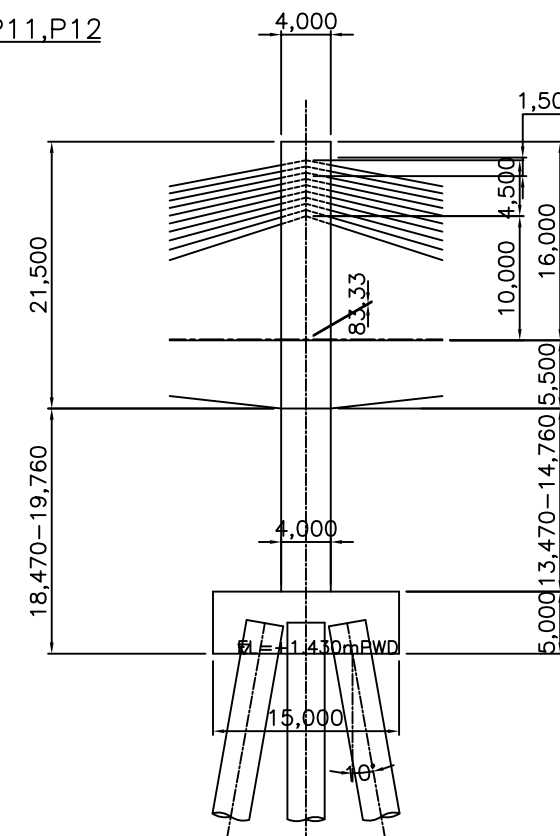
DETAIL Sub-structure S=1/600



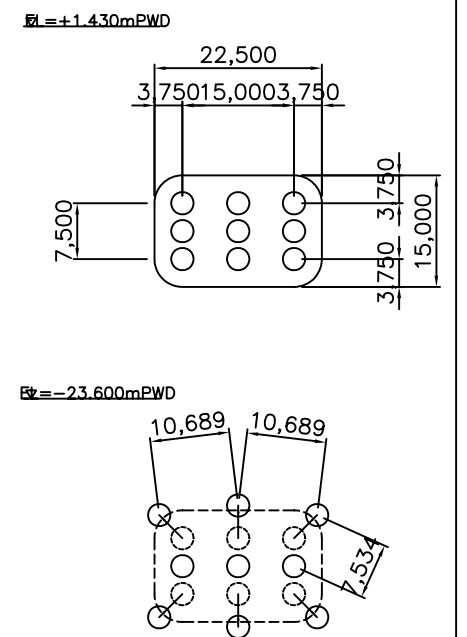
PC Extradosed Girder



P9,P10,P11,P12



PLAN Piles S=1/1,000



- General Notes :
- 1) unless otherwise shown , all dimensions are in mm.
  - 2) DHWL = Design High Water Level (+7.350mPWD)
  - 3) SHWL = Standard High Water Level (+5.810mPWD)
  - 4) SLWL = Standard Low Water Level (+1.430mPWD)
  - 5) DSL = Design Scour Level
  - 6) E : Electric line / G : Gas pipe line

JAMUNA MULTIPURPOSE BRIDGE AUTHORITY  
THE PEOPLE'S REPUBLIC OF BANGLADESH

THE FEASIBILITY STUDY OF PADMA BRIDGE  
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**NK** NIPPON KOEI CO., LTD. in Association with  
**CPC** CONSTRUCTION PROJECT CONSULTANTS, INC.

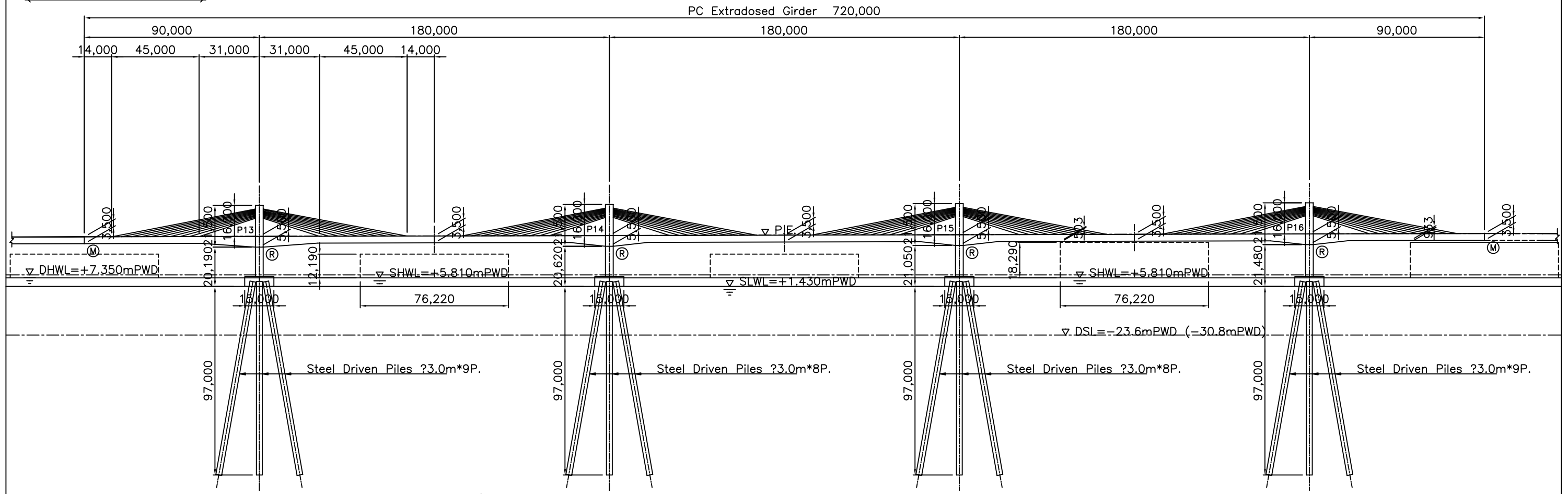
TITLE :  
General View (3) Drawing  
(Alternative H1, H2)

DATE :  
MARCH-2005

SHEET NO.  
PDM FS C7

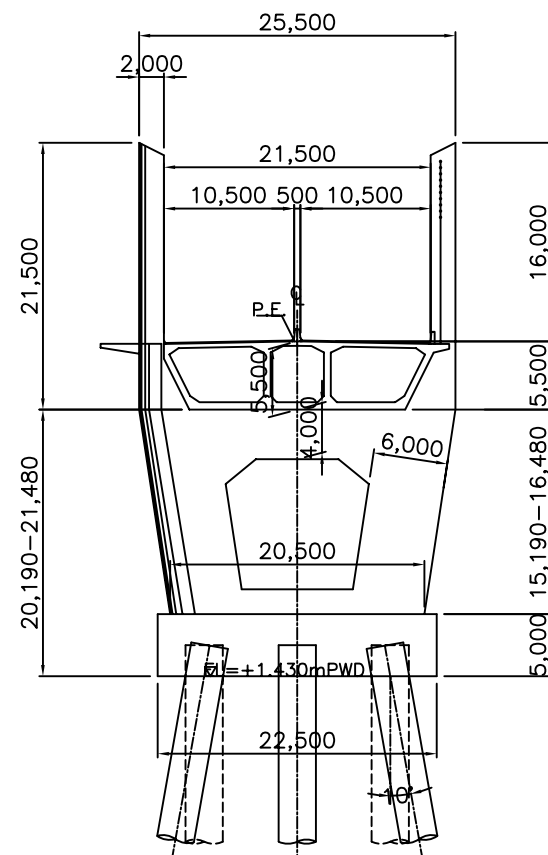
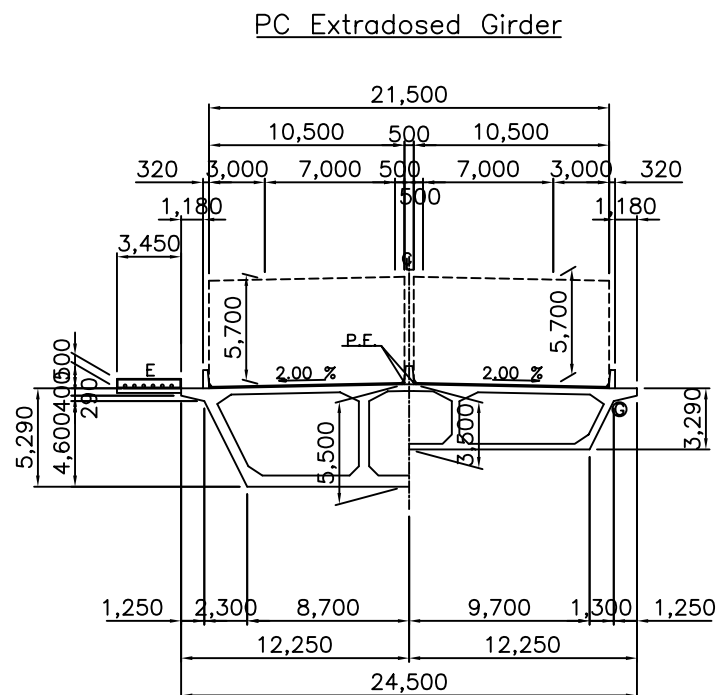
(Alternative H1)

GENERAL VIEW (4-1) ELEVATION S=1/2,000



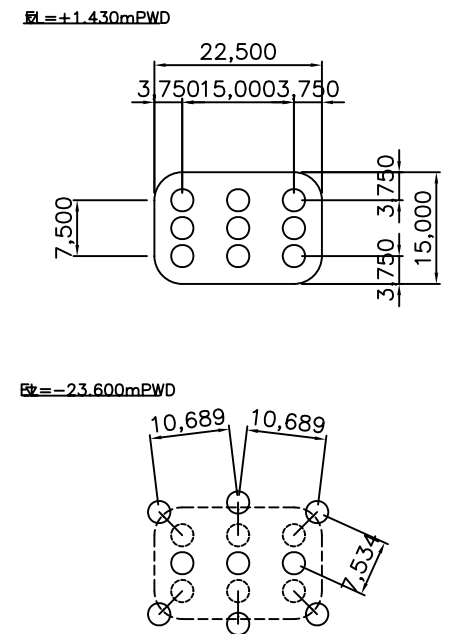
CROSS SECTION S=1/400

DETAIL Sub-structure S=1/600



P13, P14, P15, P16

PLAN Piles S=1/1,000



General Notes :

- 1) unless otherwise shown , all dimensions are in mm.
- 2) DHWL = Design High Water Level (+7.350mPWD)
- 3) SHWL = Standard High Water Level (+5.810mPWD)
- 4) SLWL = Standard Low Water Level (+1.430mPWD)
- 5) DSL = Design Scour Level
- 6) E : Electric line / G : Gas pipe line

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THE PEOPLE'S REPUBLIC OF BANGLADESH

THE FEASIBILITY STUDY OF PADMA BRIDGE  
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JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
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TITLE :

General View (4-1) Drawing  
(Alternative H1)

DATE :

MARCH-2005

SHEET NO.

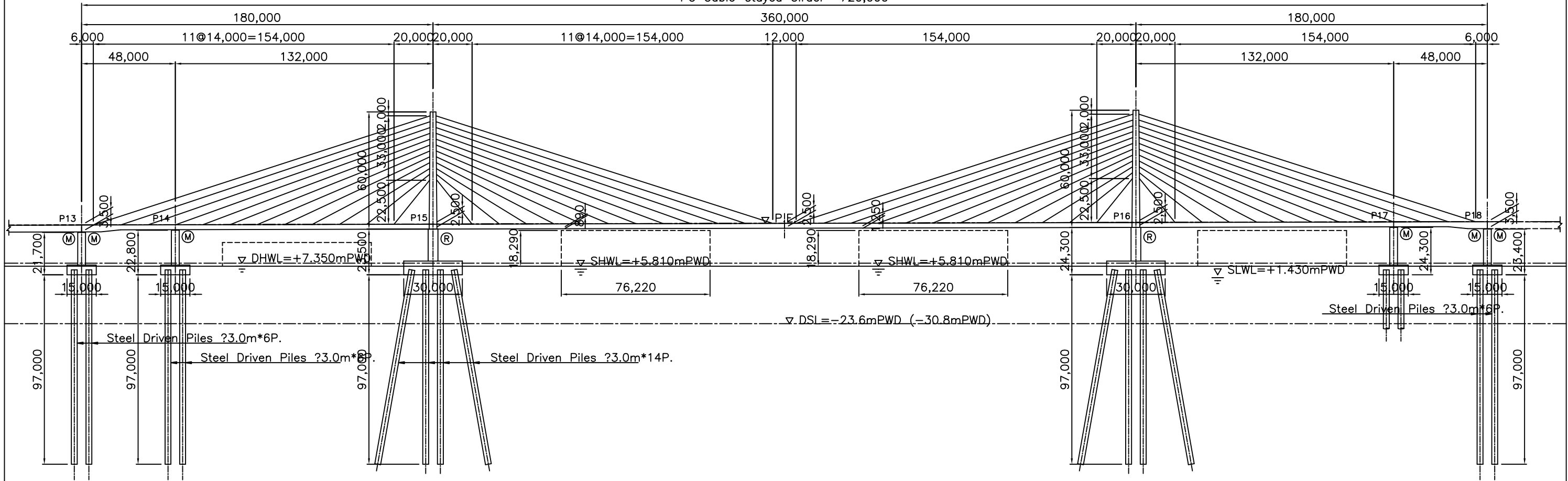
PDM FS C8



(Alternative H2)

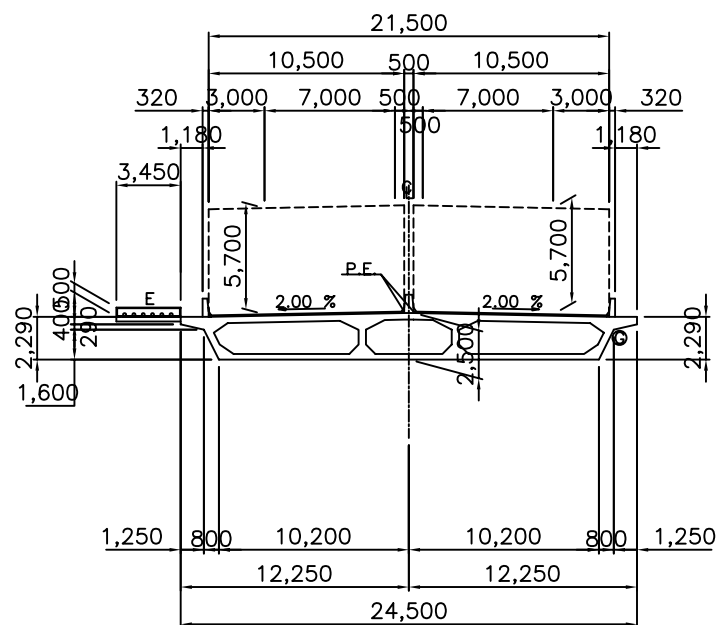
GENERAL VIEW (4-2) ELEVATION S=1/2,000

PC Cable-stayed Girder 720,000



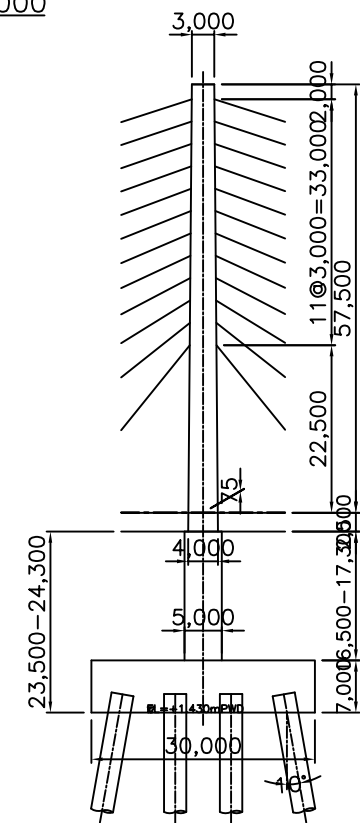
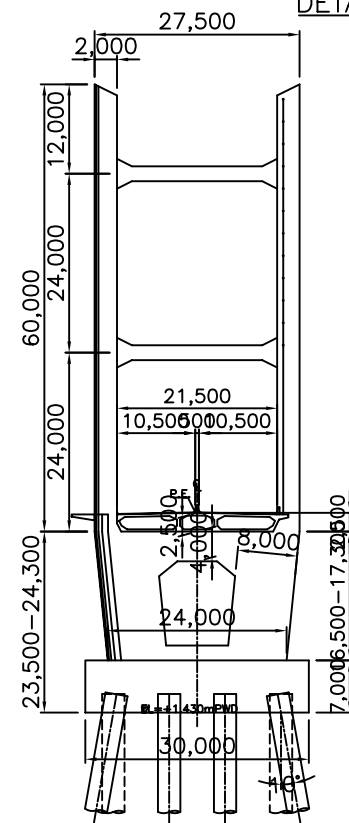
CROSS SECTION S=1/400

PC Cable-stayed Girder



DETAIL Sub-structure S=1/1,000

P13,P14



- General Notes :
- 1) unless otherwise shown , all dimensions are in mm.
  - 2) DHWL = Design High Water Level (+7.350mPWD)
  - 3) SHWL = Standard High Water Level (+5.810mPWD)
  - 4) SLWL = Standard Low Water Level (+1.430mPWD)
  - 5) DSL = Design Scour Level
  - 6) E : Electric line / G : Gas pipe line

JAMUNA MULTIPURPOSE BRIDGE AUTHORITY  
THE PEOPLE'S REPUBLIC OF BANGLADESH

THE FEASIBILITY STUDY OF PADMA BRIDGE  
IN THE PEOPLE'S REPUBLIC OF BANGLADESH



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
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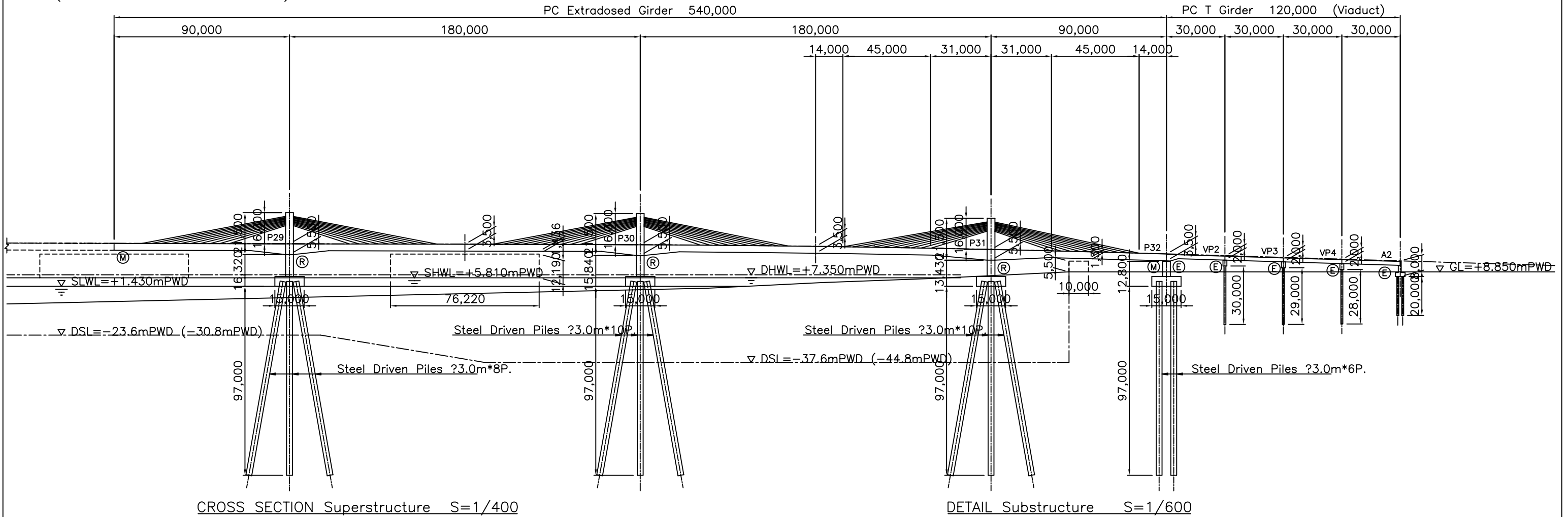
TITLE :  
General View (4-2) Drawing  
(Alternative H2)

DATE :  
MARCH-2005

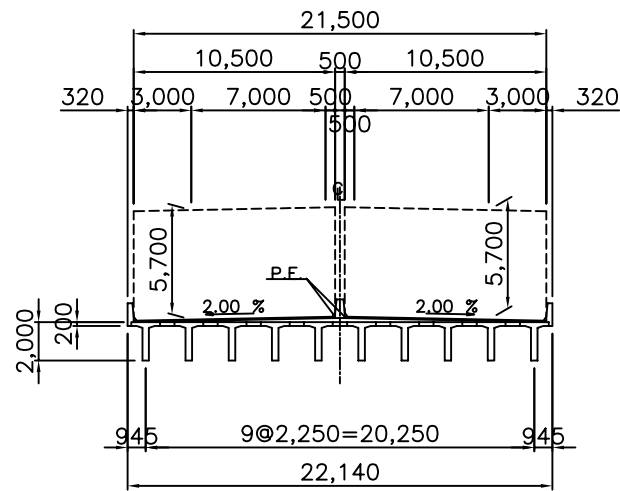
SHEET NO.  
PDM FS C9

(Alternative H1, H2)

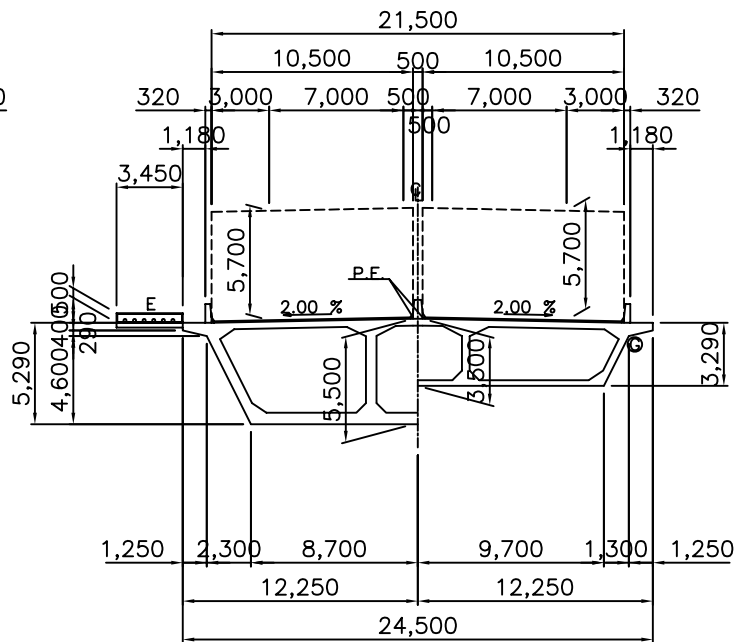
GENERAL VIEW (5) ELEVATION S=1/2,000



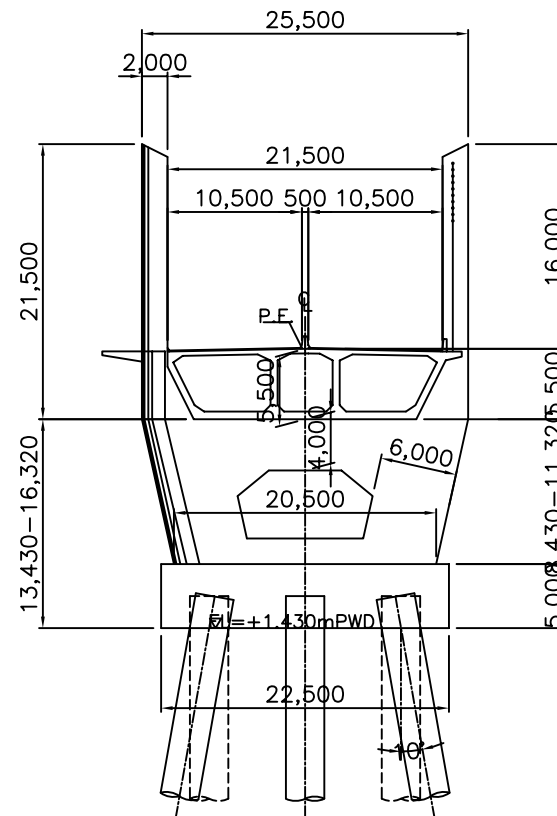
PC T Girder



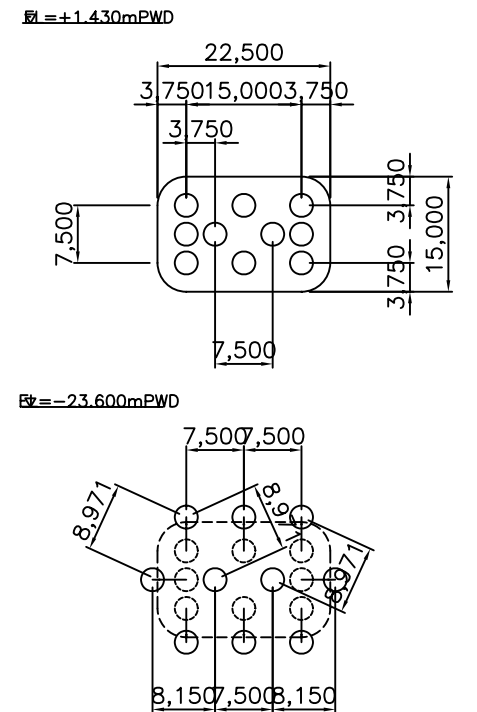
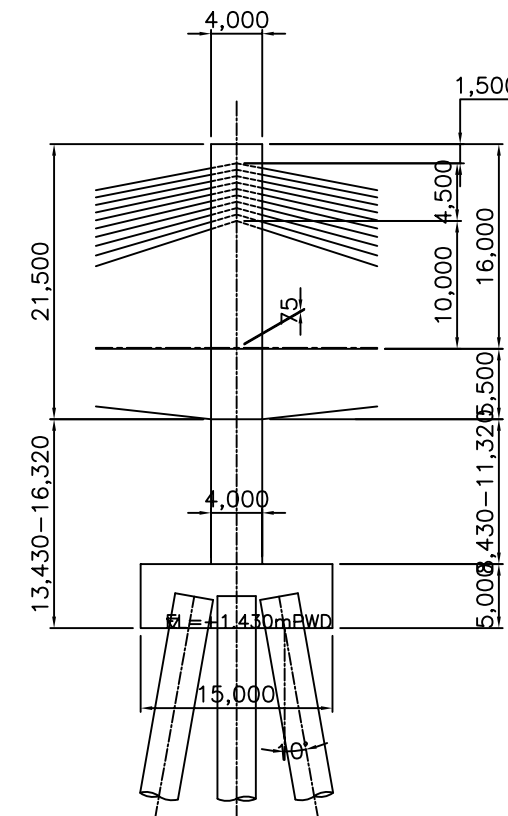
PC Extradosed Girder



P29,P30,P31



PLAN Piles (P30,P31) S=1,000



- General Notes :
- 1) unless otherwise shown , all dimensions are in mm.
  - 2) DHWL = Design High Water Level (+7.350mPWD)
  - 3) SHWL = Standard High Water Level (+5.810mPWD)
  - 4) SLWL = Standard Low Water Level (+1.430mPWD)
  - 5) DSL = Design Scour Level
  - 6) E : Electric line / G : Gas pipe line

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THE FEASIBILITY STUDY OF PADMA BRIDGE  
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JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
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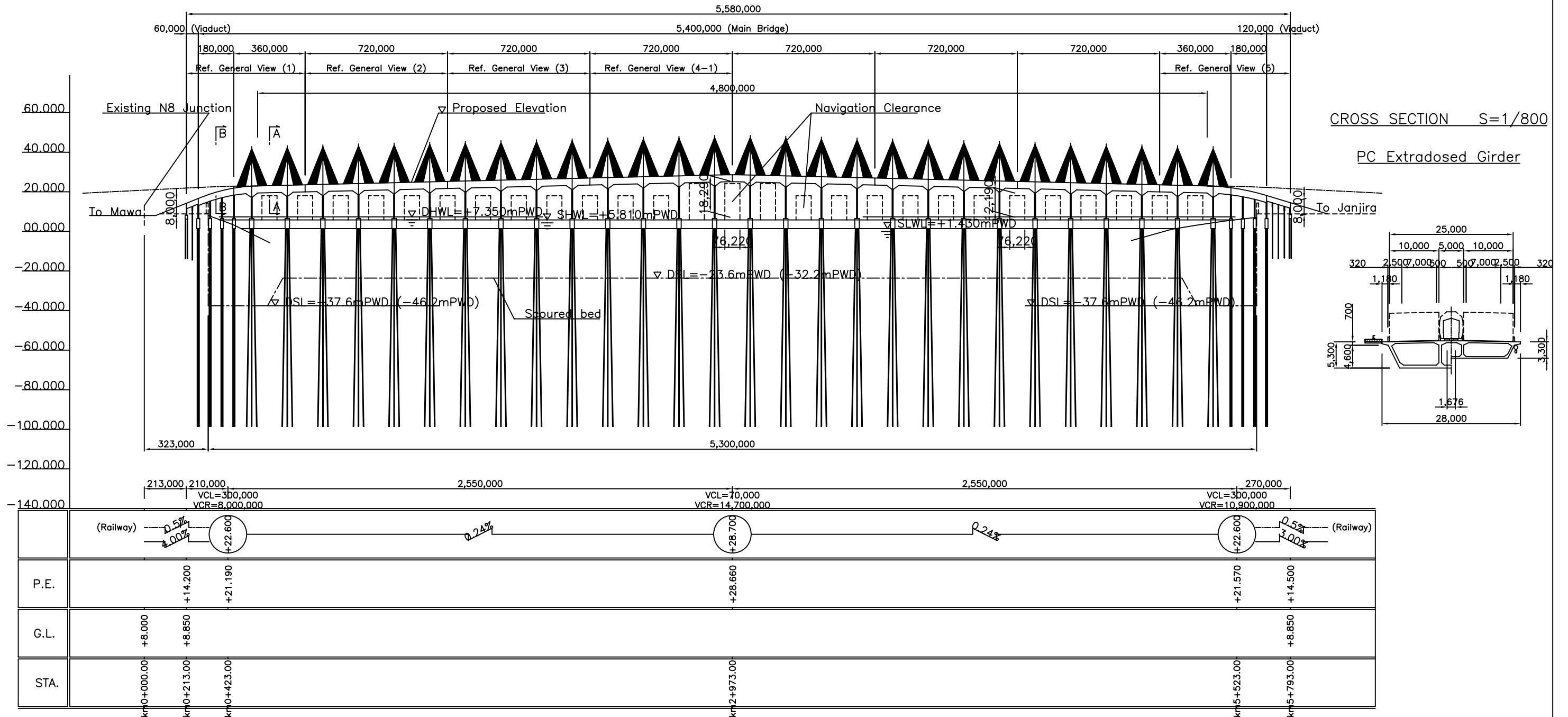
TITLE :  
General View (5) Drawing  
(Alternative H1, H2)

DATE :  
MARCH-2005

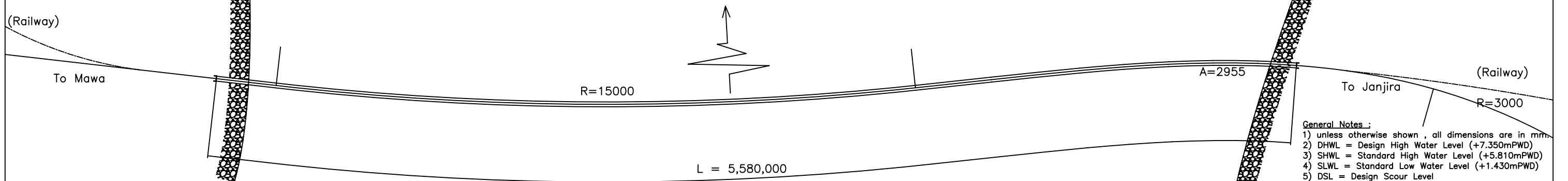
SHEET NO.  
PDM FS C10

(Alternative HR)

SIDE VIEW V=1/2,000 H=1/20,000



PLAN S=1/20,000



- General Notes :
- 1) unless otherwise shown , all dimensions are in mm.
  - 2) DHWL = Design High Water Level (+7.350mPWD)
  - 3) SHWL = Standard High Water Level (+5.810mPWD)
  - 4) SLWL = Standard Low Water Level (+1.430mPWD)
  - 5) DSL = Design Scour Level

JAMUNA MULTIPURPOSE BRIDGE AUTHORITY  
THE PEOPLE'S REPUBLIC OF BANGLADESH

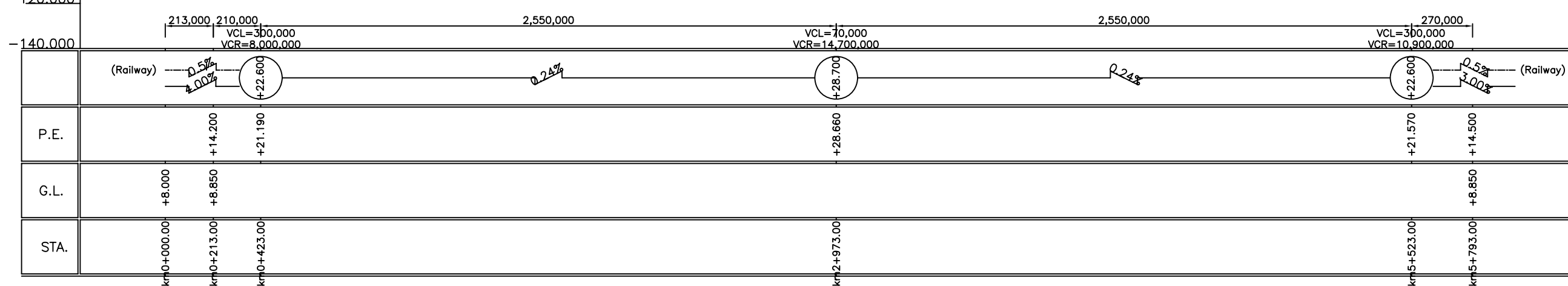
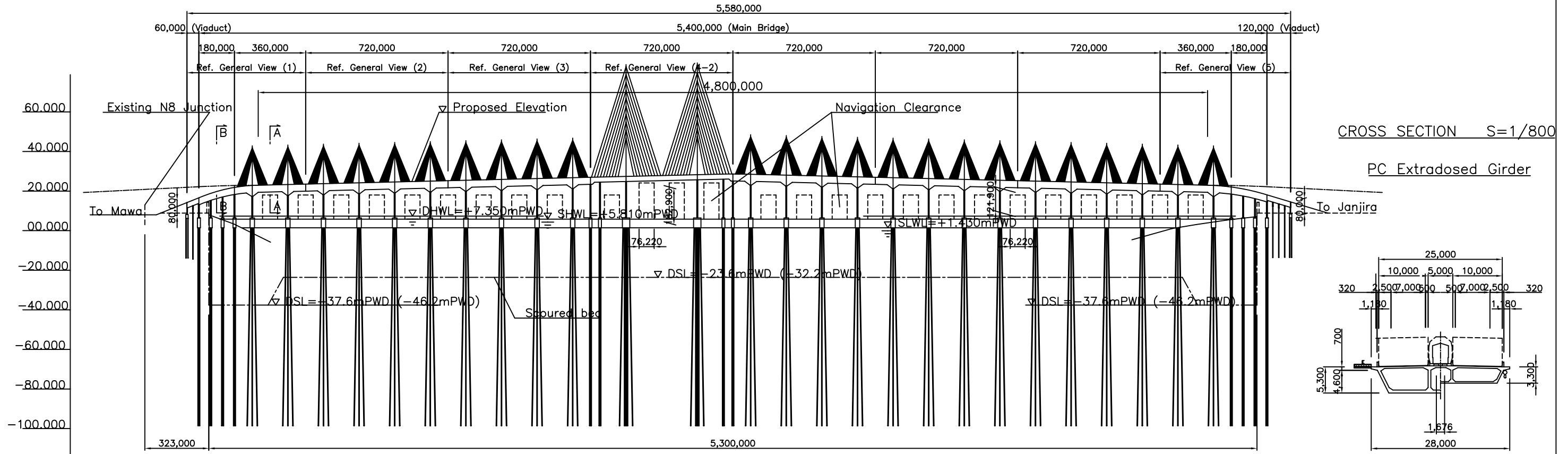
THE FEASIBILITY STUDY OF PADMA BRIDGE  
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**JICA** JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
**NKC** NIPPON KOEI CO., LTD. in Association with  
**CPC** CONSTRUCTION PROJECT CONSULTANTS, INC.

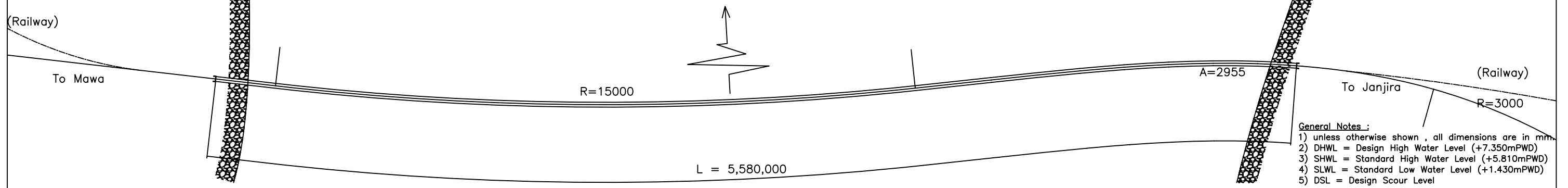
TITLE :	DATE :	SHEET NO.
Side View & Plan Drawing (Alternative HR)	MARCH-2005	PDM FS C11

(Alternative HR2)

SIDE VIEW V=1/2,000 H=1/20,000



PLAN S=1/20,000



- General Notes :
- 1) unless otherwise shown, all dimensions are in mm.
  - 2) DHWL = Design High Water Level (+7.350mPWD)
  - 3) SHWL = Standard High Water Level (+5.810mPWD)
  - 4) SLWL = Standard Low Water Level (+1.430mPWD)
  - 5) DSL = Design Scour Level

JAMUNA MULTIPURPOSE BRIDGE AUTHORITY  
THE PEOPLE'S REPUBLIC OF BANGLADESH

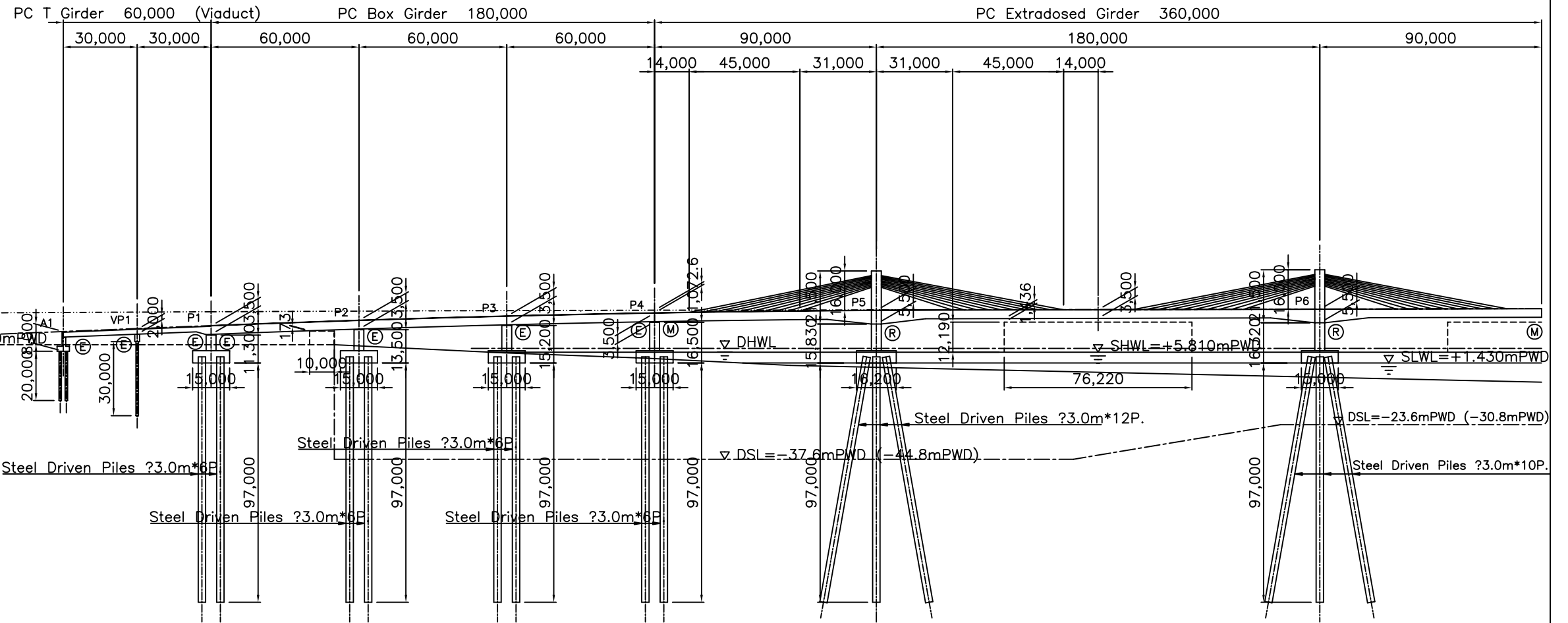
THE FEASIBILITY STUDY OF PADMA BRIDGE  
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**JICA** JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
**NK** NIPPON KOEI CO., LTD. in Association with  
**CPC** CONSTRUCTION PROJECT CONSULTANTS, INC.

TITLE :	DATE :	SHEET NO.
Side View & Plan Drawing (Alternative HR2)	MARCH-2005	PDM FS C12

(Alternative HR, HR2)

GENERAL VIEW (1) ELEVATION S=1/2,000



CROSS SECTION Superstructure S=1/400

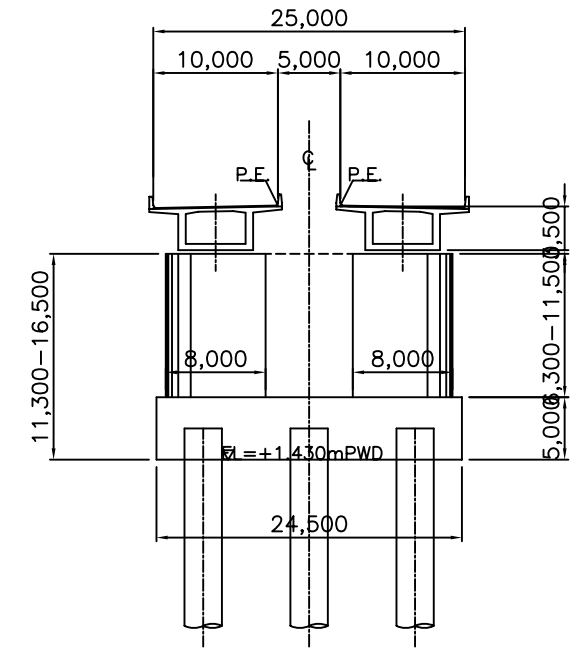
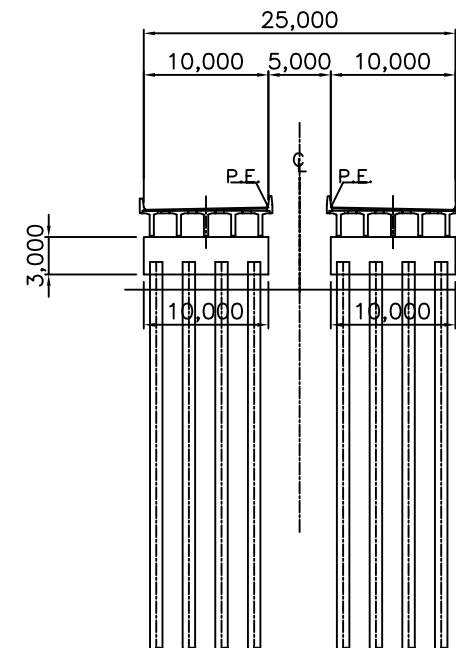
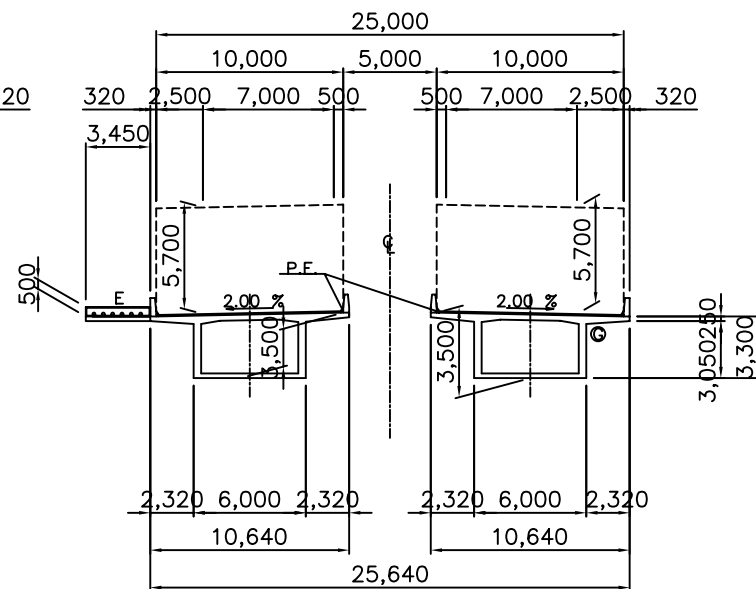
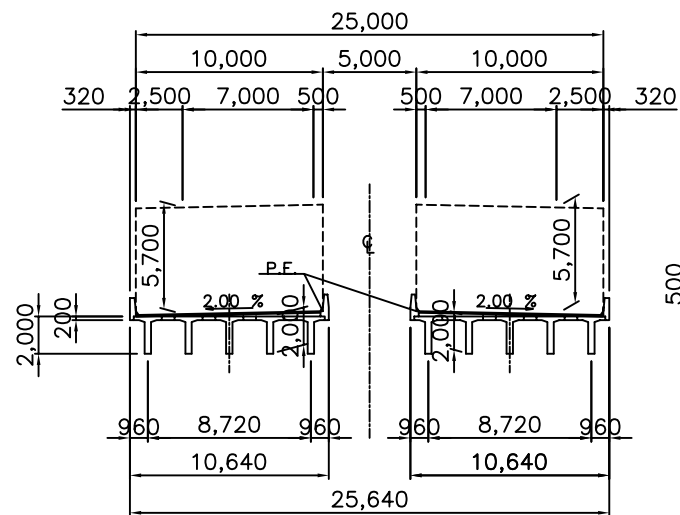
DETAIL Substructure S=1/600

PC T Girder

PC Box Girder

VP1

P1,P2,P3,P4



General Notes :

- 1) unless otherwise shown , all dimensions are in mm.
- 2) DHWL = Design High Water Level (+7.350mPWD)
- 3) SHWL = Standard High Water Level (+5.810mPWD)
- 4) SLWL = Standard Low Water Level (+1.430mPWD)
- 5) DSL = Design Scour Level
- 6) E : Electric line / G : Gas pipe line

JAMUNA MULTIPURPOSE BRIDGE AUTHORITY  
THE PEOPLE'S REPUBLIC OF BANGLADESH

THE FEASIBILITY STUDY OF PADMA BRIDGE  
IN THE PEOPLE'S REPUBLIC OF BANGLADESH



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
NIPON KOEI CO., LTD. in Association with  
CONSTRUCTION PROJECT CONSULTANTS, INC.

TITLE :

General View (1) Drawing  
(Alternative HR, HR2)

DATE :

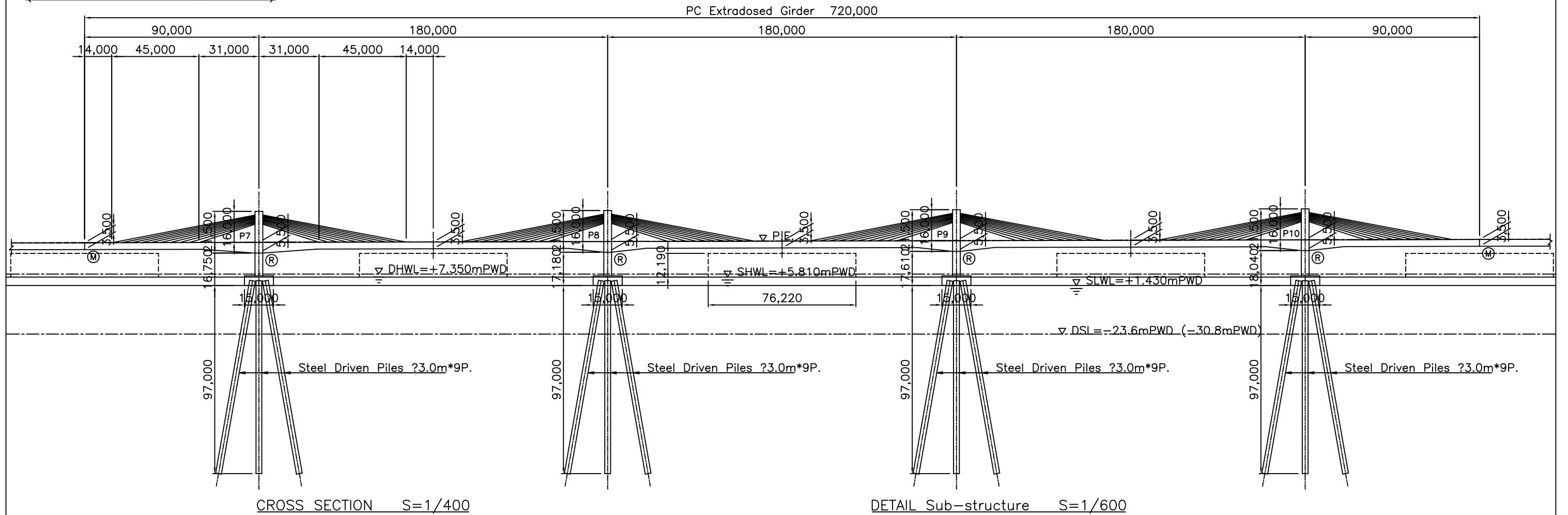
MARCH-2005

SHEET NO.

PDM FS C13

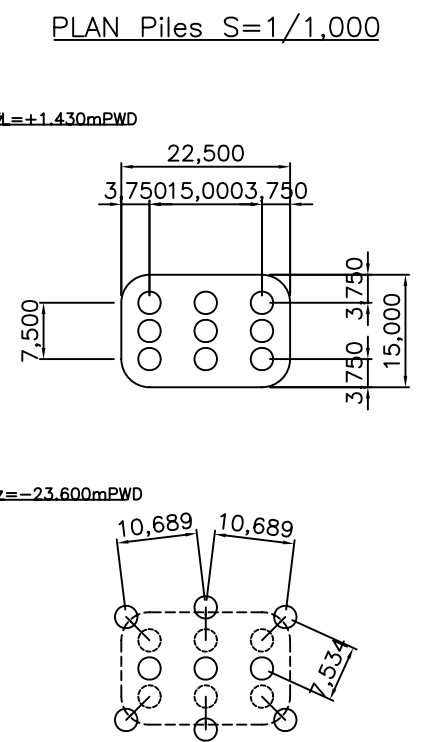
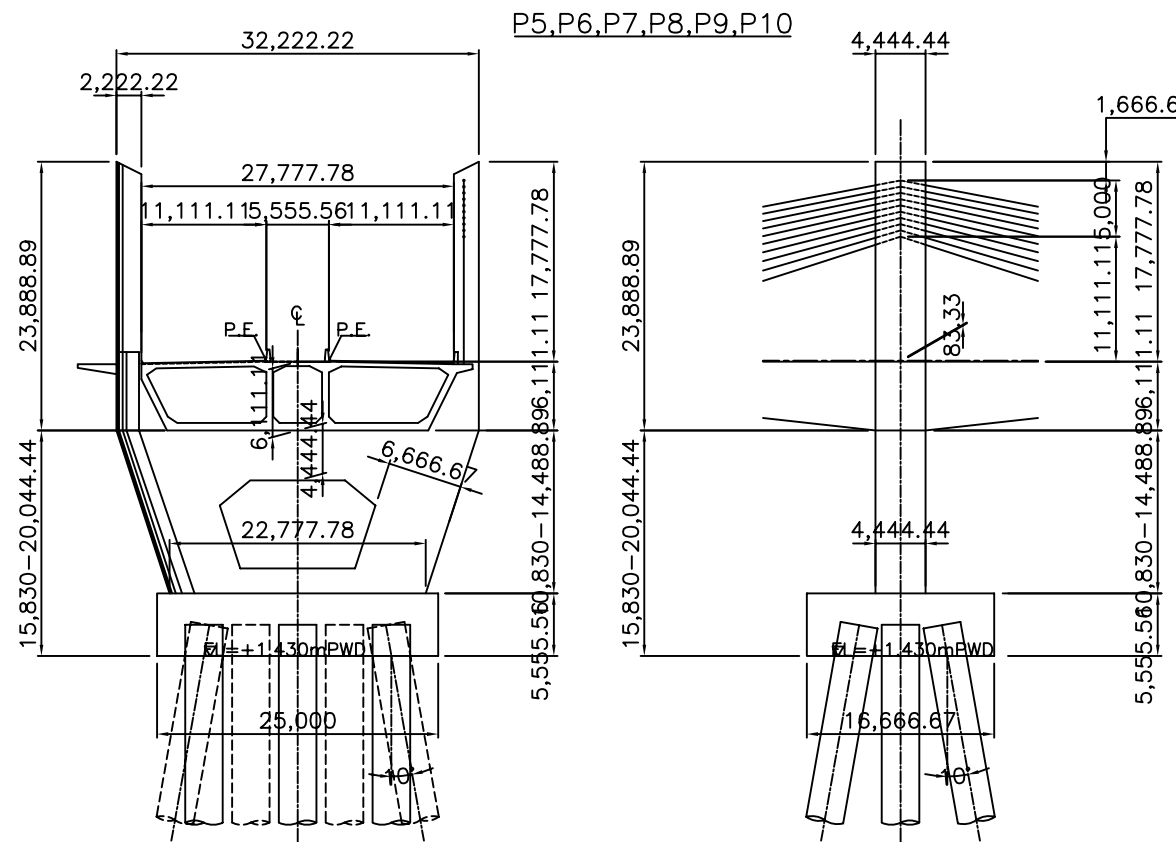
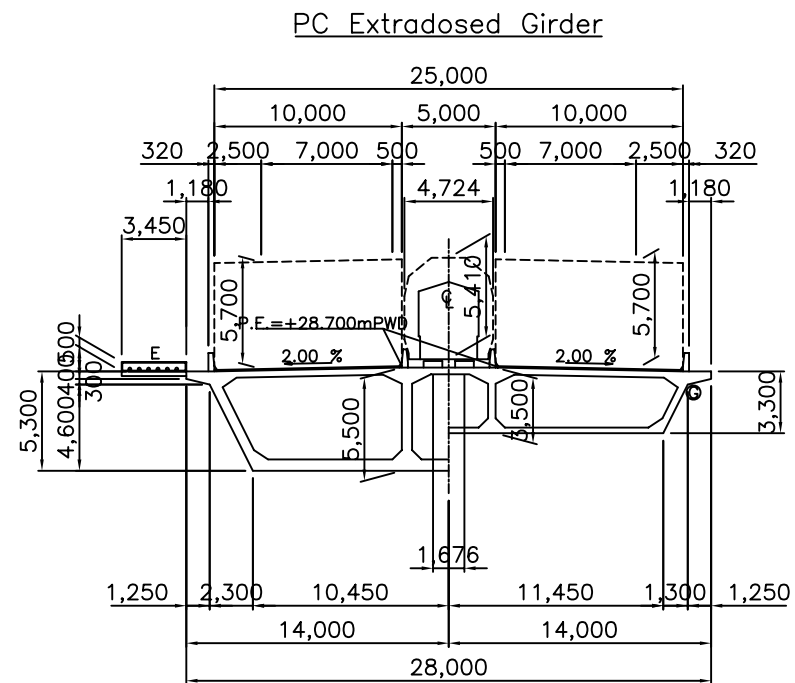
(Alternative HR, HR2)

GENERAL VIEW (2) ELEVATION S=1/2,000



CROSS SECTION S=1/400

DETAIL Sub-structure S=1/600



General Notes :

- 1) unless otherwise shown , all dimensions are in mm.
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- 3) SHWL = Standard High Water Level (+5.810mPWD)
- 4) SLWL = Standard Low Water Level (+1.430mPWD)
- 5) DSL = Design Scour Level
- 6) E : Electric line / G : Gas pipe line

JAMUNA MULTIPURPOSE BRIDGE AUTHORITY  
THE PEOPLE'S REPUBLIC OF BANGLADESH

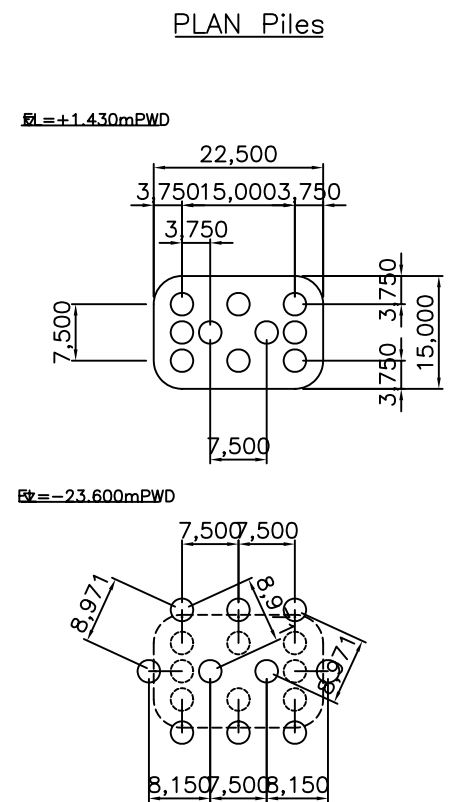
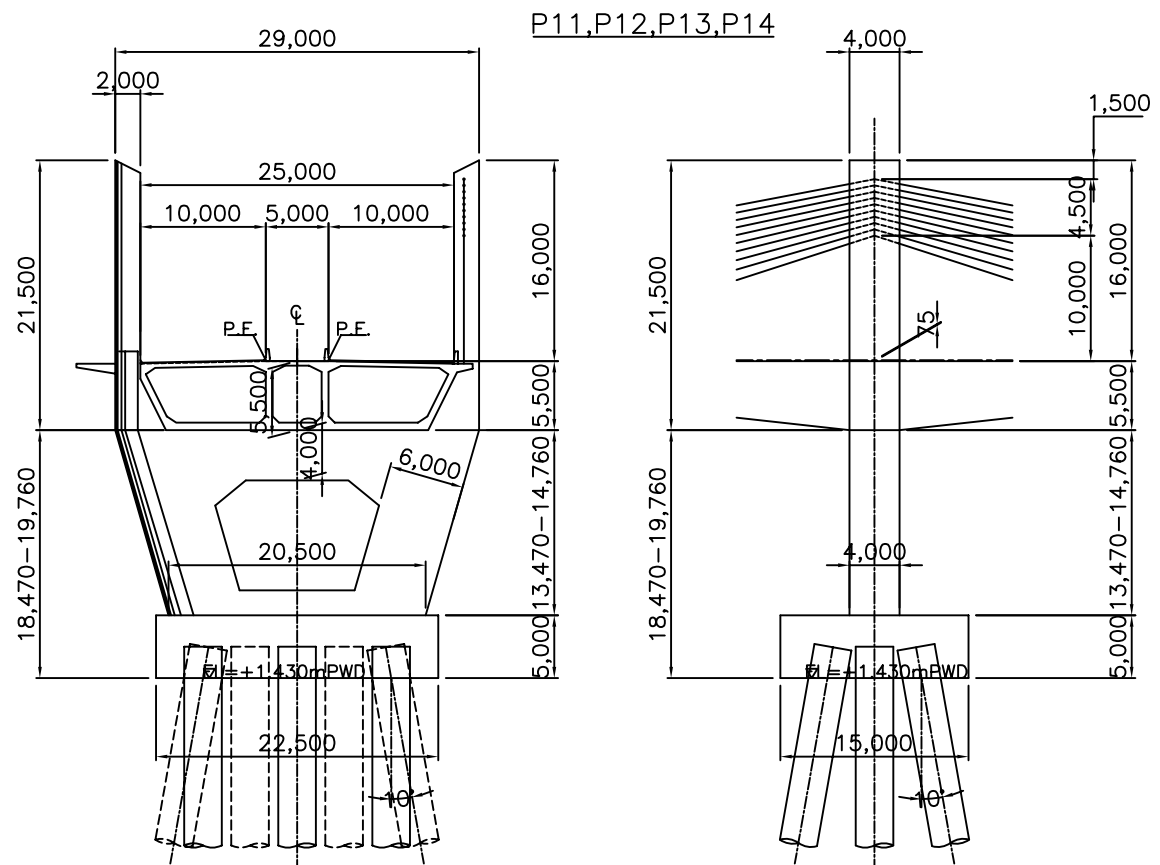
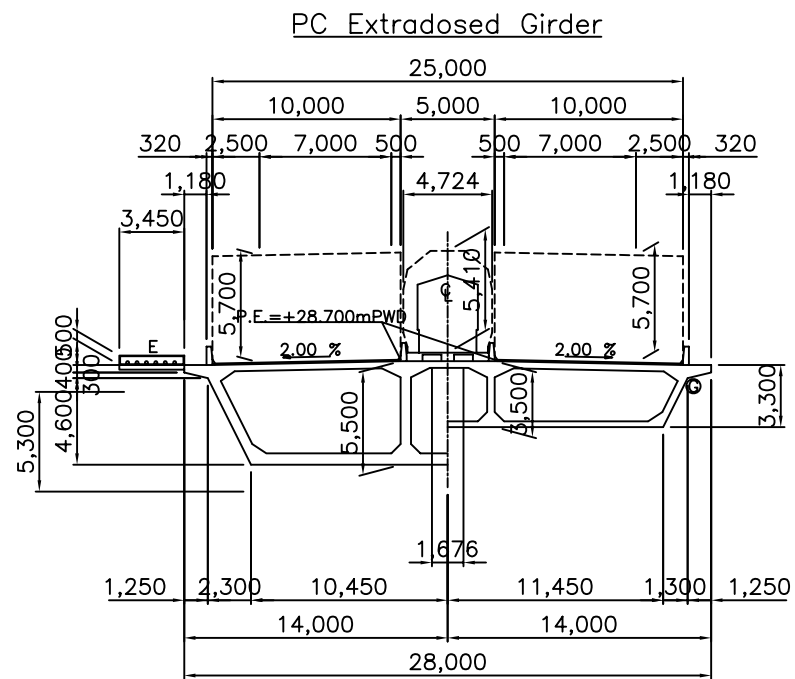
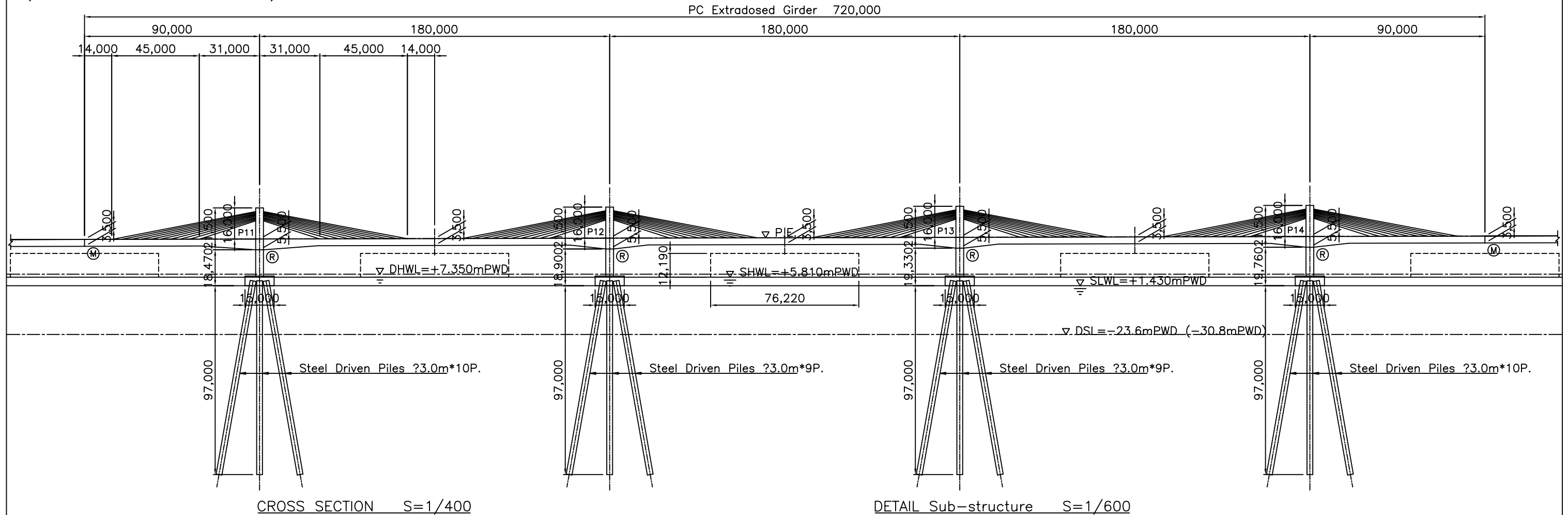
THE FEASIBILITY STUDY OF PADMA BRIDGE  
IN THE PEOPLE'S REPUBLIC OF BANGLADESH

**JICA** JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
**NK** NIPPON KOEI CO., LTD. in Association with  
**CPC** CONSTRUCTION PROJECT CONSULTANTS, INC.

TITLE :	DATE :	SHEET NO.
General View (2) Drawing (Alternative HR, HR2)	MARCH-2005	PDM FS C14

(Alternative HR, HR2)

GENERAL VIEW (3) ELEVATION S=1/2,000



General Notes :

- 1) unless otherwise shown , all dimensions are in mm.
- 2) DHWL = Design High Water Level (+7.350mPWD)
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- 4) SLWL = Standard Low Water Level (+1.430mPWD)
- 5) DSL = Design Scour Level
- 6) E : Electric line / G : Gas pipe line

JAMUNA MULTIPURPOSE BRIDGE AUTHORITY  
THE PEOPLE'S REPUBLIC OF BANGLADESH

THE FEASIBILITY STUDY OF PADMA BRIDGE  
IN THE PEOPLE'S REPUBLIC OF BANGLADESH



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
NIPPON KOEI CO., LTD. in Association with  
CONSTRUCTION PROJECT CONSULTANTS, INC.

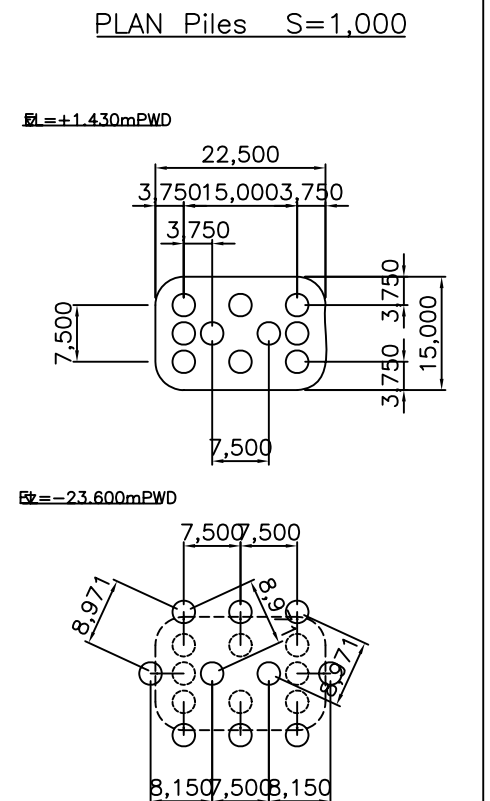
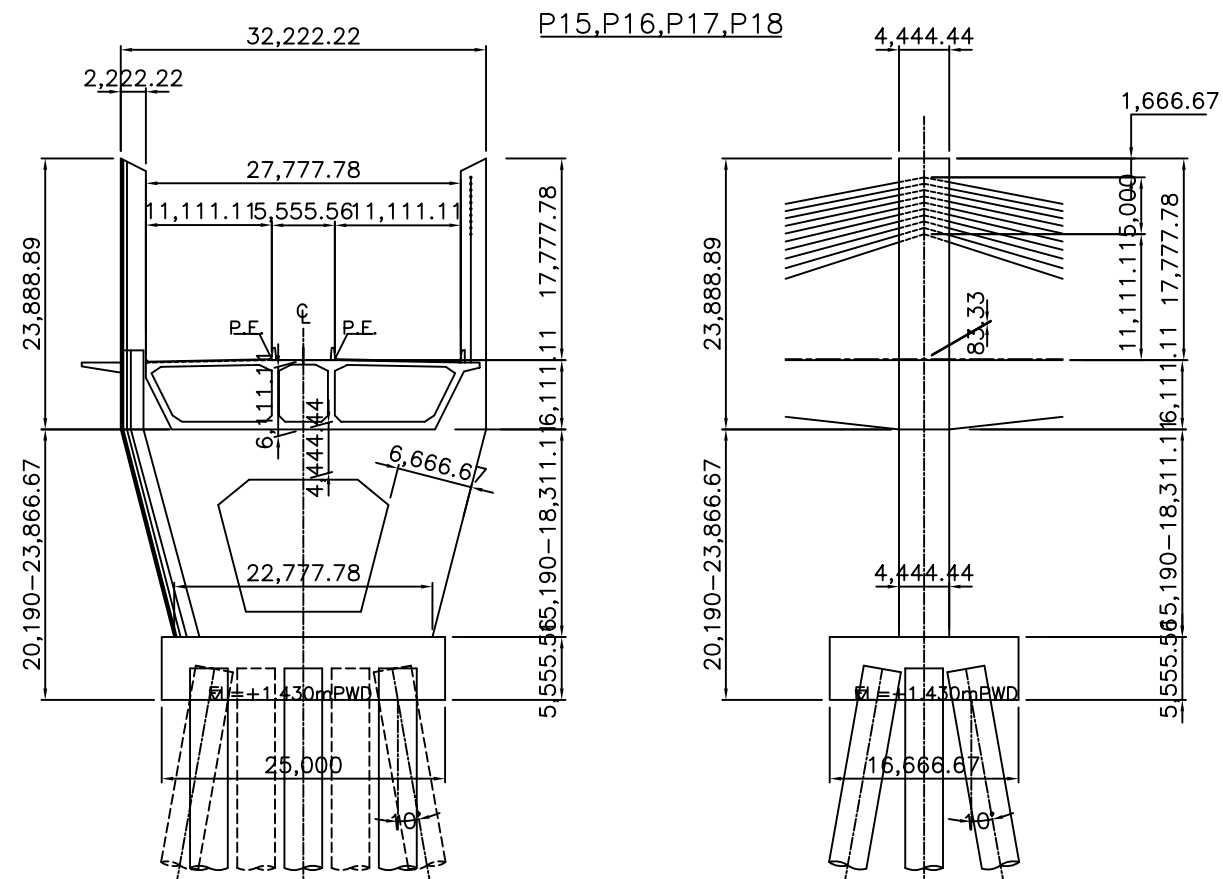
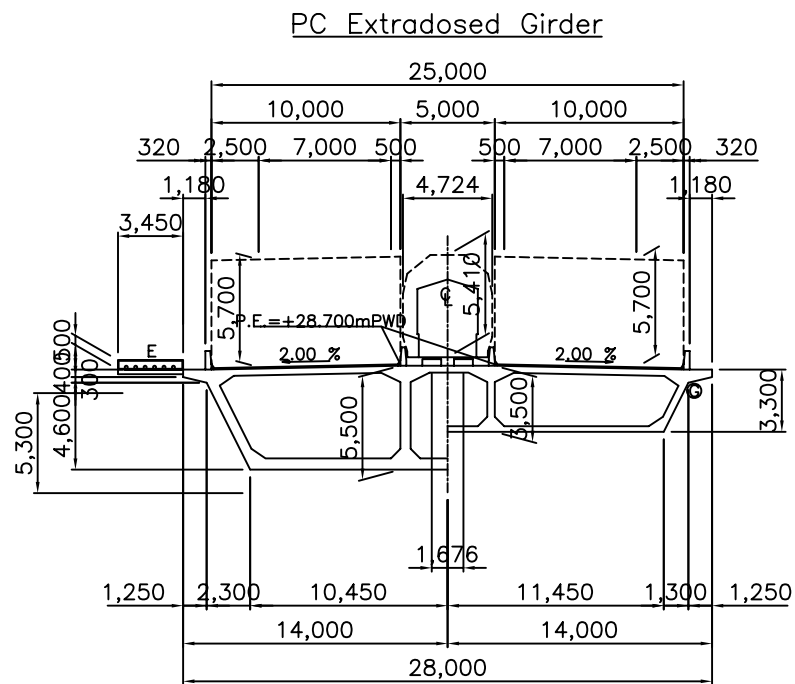
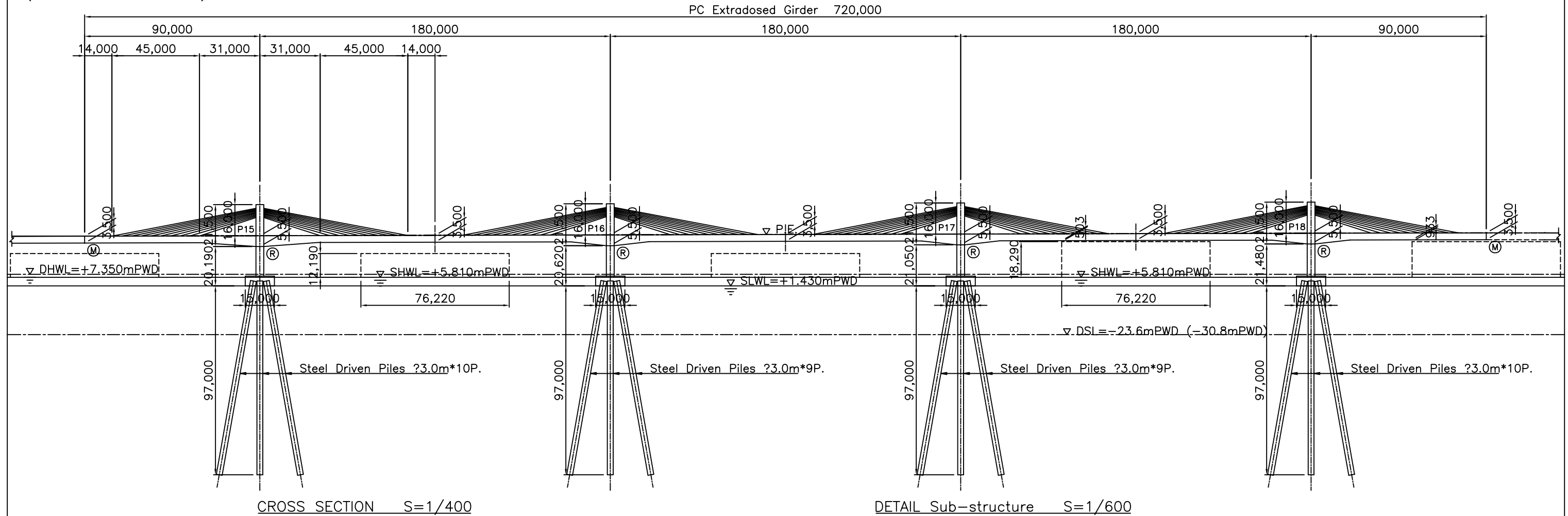
TITLE :  
General View (3) Drawing  
(Alternative HR, HR2)

DATE :  
MARCH-2005

SHEET NO.  
PDM FS C15

(Alternative HR)

GENERAL VIEW (4-1) ELEVATION S=1/2,000



General Notes :

- 1) unless otherwise shown , all dimensions are in mm.
- 2) DHWL = Design High Water Level (+7.350mPWD)
- 3) SHWL = Standard High Water Level (+5.810mPWD)
- 4) SLWL = Standard Low Water Level (+1.430mPWD)
- 5) DSL = Design Scour Level
- 6) E : Electric line / G : Gas pipe line

JAMUNA MULTIPURPOSE BRIDGE AUTHORITY  
THE PEOPLE'S REPUBLIC OF BANGLADESH

THE FEASIBILITY STUDY OF PADMA BRIDGE  
IN THE PEOPLE'S REPUBLIC OF BANGLADESH

JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
NIPPON KOEI CO., LTD. in Association with  
CPC CONSTRUCTION PROJECT CONSULTANTS, INC.

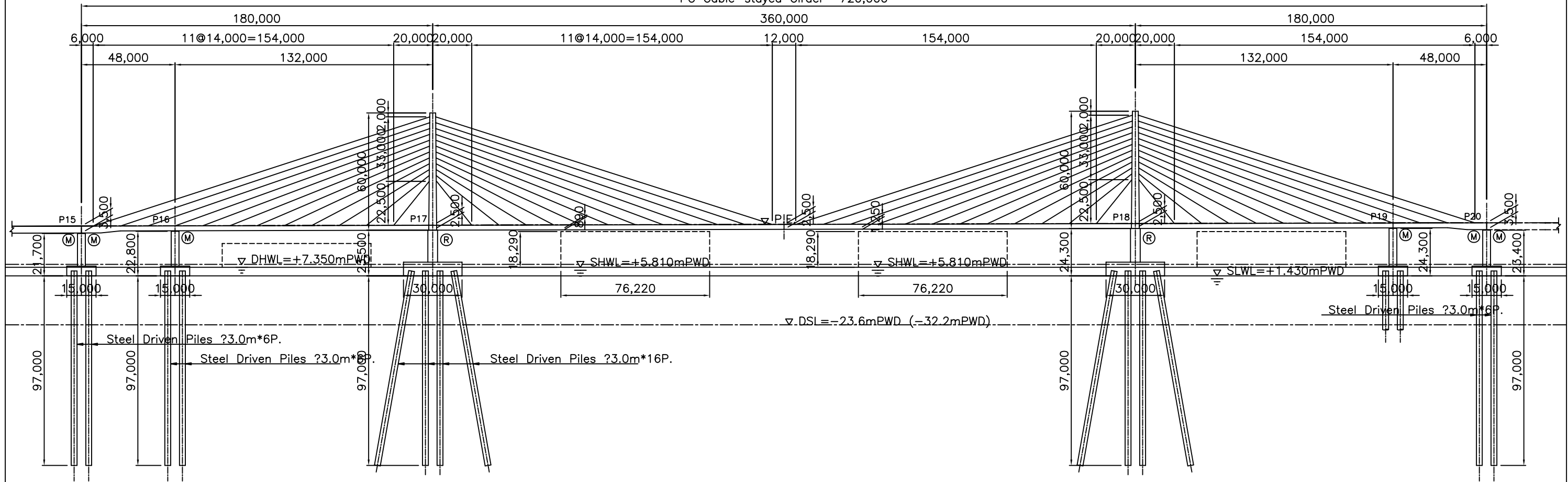
TITLE :	DATE :	SHEET NO.
General View (4-1) Drawing (Alternative HR, HR2)	MARCH-2005	PDM FS C16



(Alternative HR2)

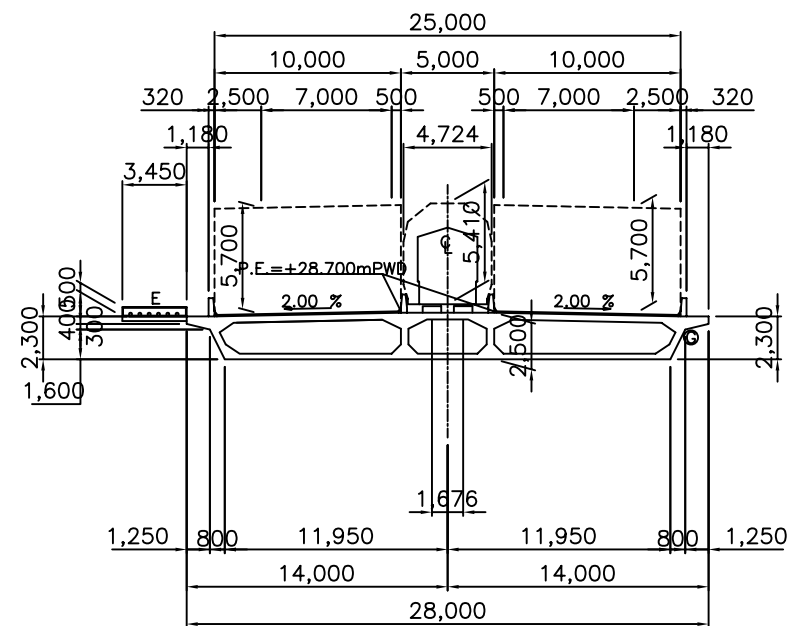
GENERAL VIEW (4-2) ELEVATION S=1/2,000

PC Cable-stayed Girder 720,000



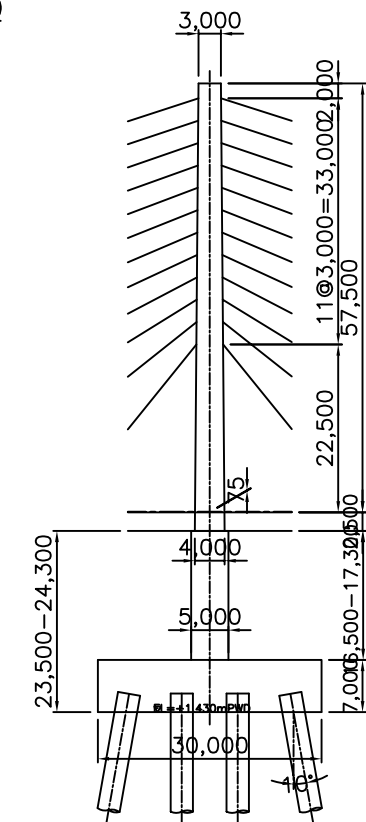
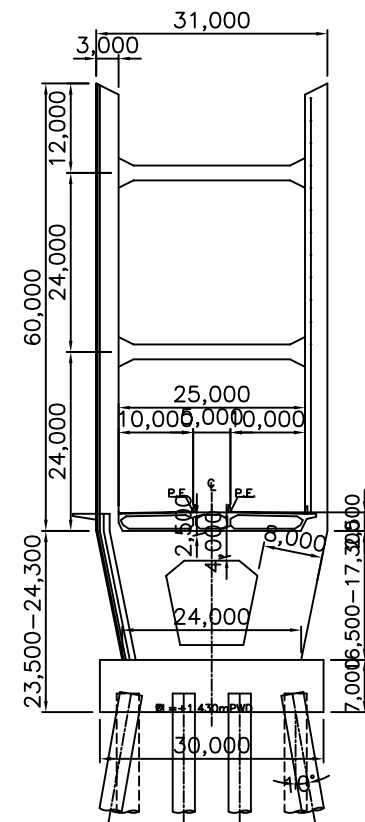
CROSS SECTION S=1/400

PC Cable-stayed Girder



DETAIL Sub-structure S=1/1,000

P15,P16



General Notes :

- 1) unless otherwise shown , all dimensions are in mm.
- 2) DHWL = Design High Water Level (+7.350mPWD)
- 3) SHWL = Standard High Water Level (+5.810mPWD)
- 4) SLWL = Standard Low Water Level (+1.430mPWD)
- 5) DSL = Design Scour Level
- 6) E : Electric line / G : Gas pipe line

JAMUNA MULTIPURPOSE BRIDGE AUTHORITY  
THE PEOPLE'S REPUBLIC OF BANGLADESH

THE FEASIBILITY STUDY OF PADMA BRIDGE  
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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
NIPPON KOEI CO., LTD. in Association with  
CONSTRUCTION PROJECT CONSULTANTS, INC.

TITLE :

General View (4-2) Drawing  
(Alternative HR, HR2)

DATE :

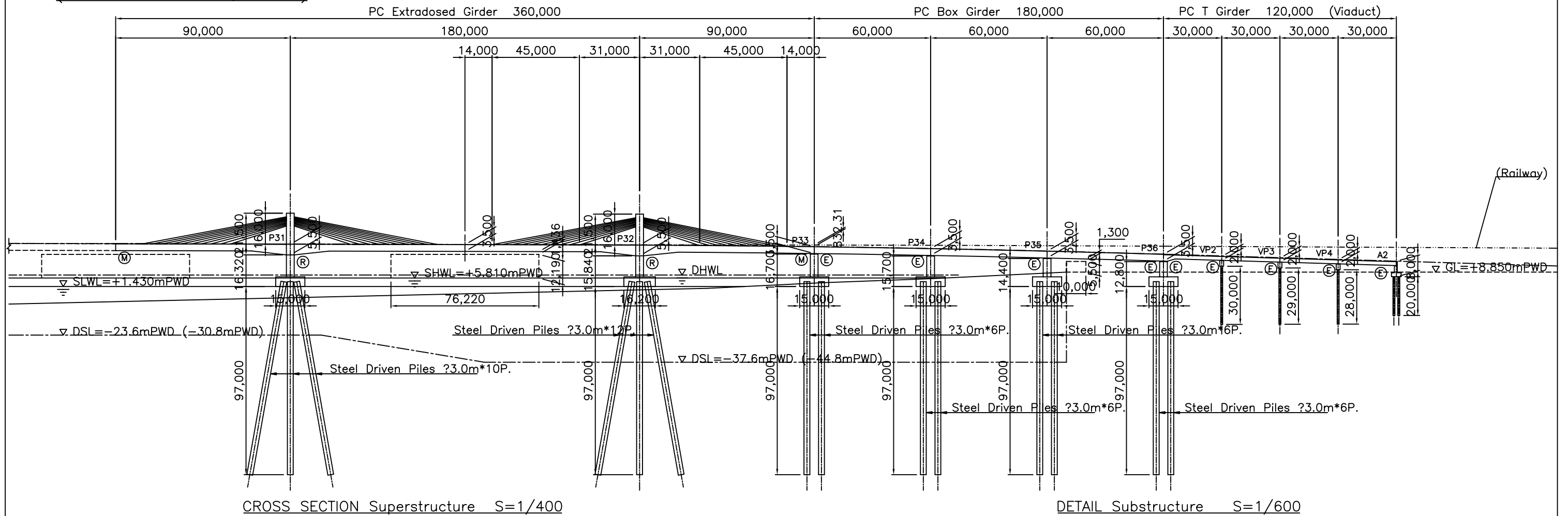
MARCH-2005

SHEET NO.

PDM FS C17

(Alternative HR, HR2)

GENERAL VIEW (5) ELEVATION S=1/2,000

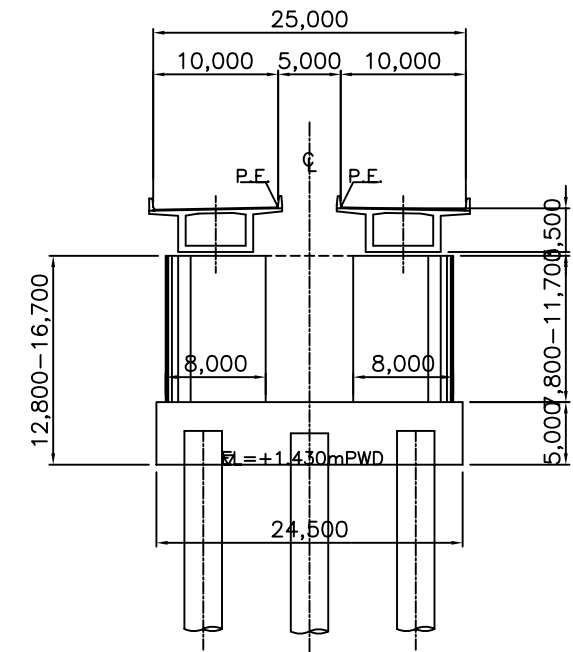
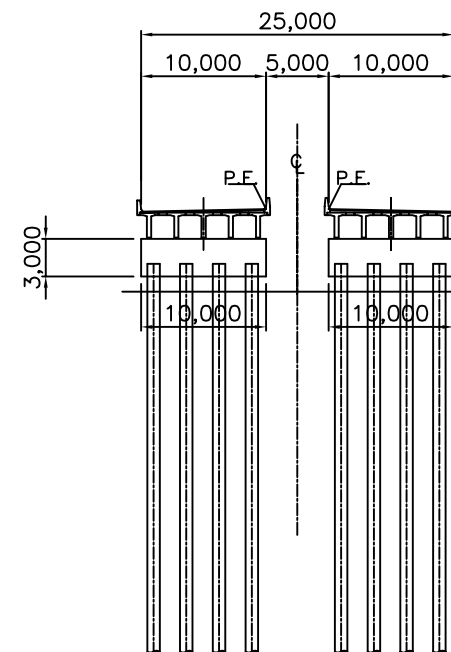
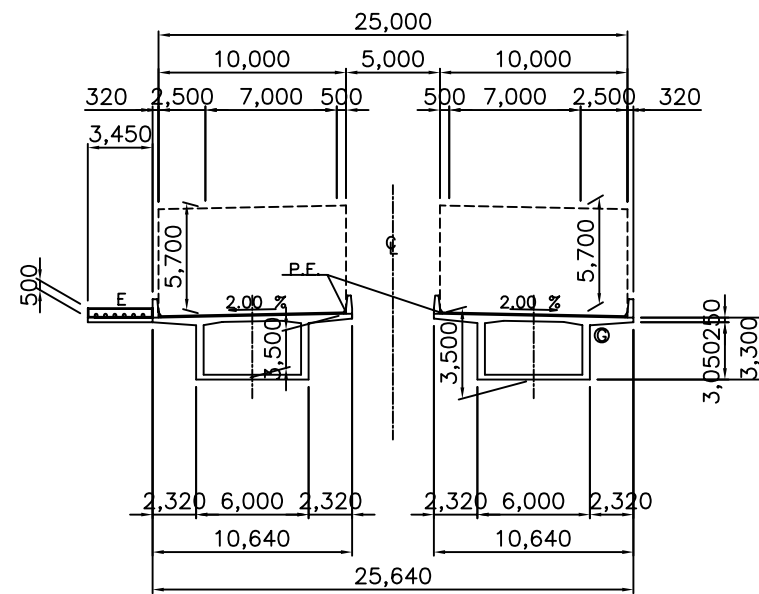
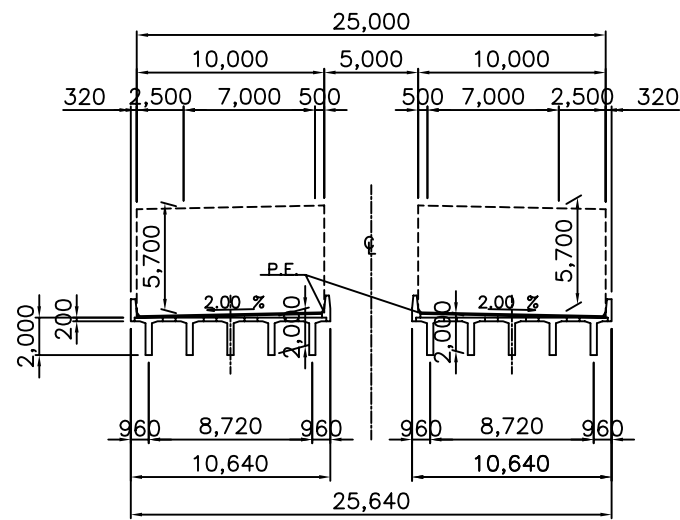


PC T Girder

PC Box Girder

VP2,VP3,VP4

P33,P34,P35,P36



- General Notes :
- 1) unless otherwise shown , all dimensions are in mm.
  - 2) DHWL = Design High Water Level (+7.350mPWD)
  - 3) SHWL = Standard High Water Level (+5.810mPWD)
  - 4) SLWL = Standard Low Water Level (+1.430mPWD)
  - 5) DSL = Design Scour Level
  - 6) E : Electric line / G : Gas pipe line

JAMUNA MULTIPURPOSE BRIDGE AUTHORITY  
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TITLE :	DATE :	SHEET NO.
General View (5) Drawing (Alternative HR, HR2)	MARCH-2005	PDM FS C18