

- NOTES:**
- 1) ALL DIMENSIONS & LEVELS ARE IN METER.
 - 2) FOR DETAIL 'Y' REFER DRG. NO. ALD-TP-KO-3

- LEGEND :-**
- PRESENT (PHASE - I)
 - FUTURE (PHASE -II)

- REFERENCE DRAWING:**
- 1) LAYOUT PLAN & SECTION REFER DRG. NO.-ALD-TP-E-KO-2
 - 2) HYDRAULIC FLOW DIAGRAM REFER DRG. NO.-ALD-TP-E-KO-3

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY: A.Bhatnagar
 APPROVED BY: D.Sarkar
 DRAWN: S.Mitra
 DESIGNED: R.Mittal
 SURVEYED: S.Sharma
 SCALE: 1:1500
 DATE: 08-01-05

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTI ENGINEERING INTERNATIONAL CO., LTD.
 STUP CONSULTANTS LTD.

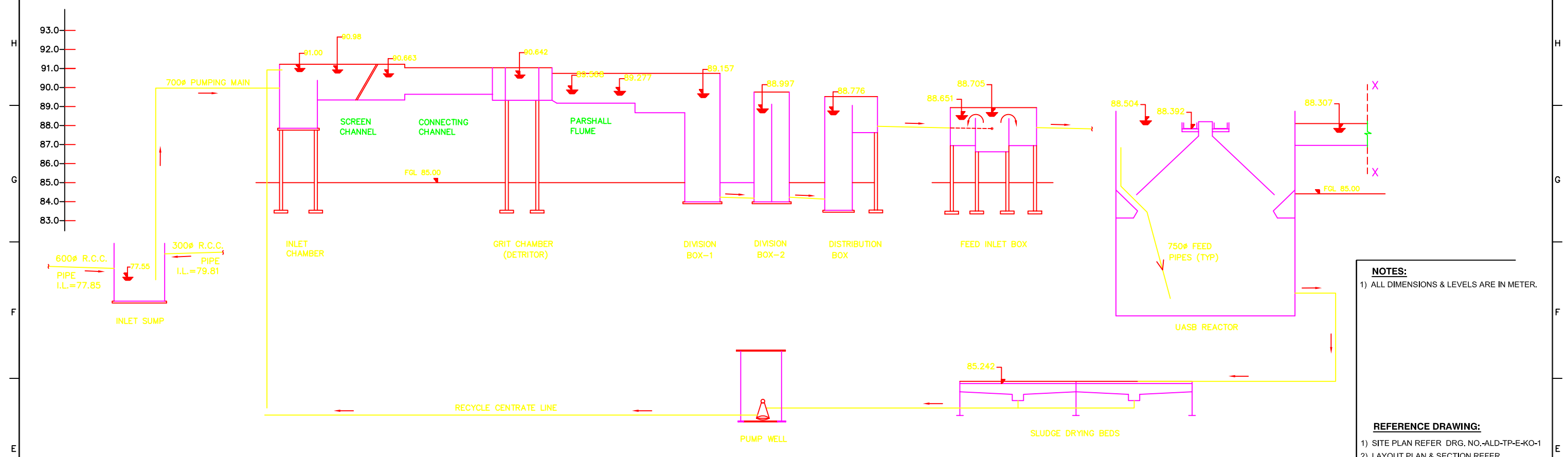
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR ALLAHABAD CITY

CORRIDOR: District - E
 KODARA - STP (1/7)

SHEET CONTENTS:
 SITE PLAN

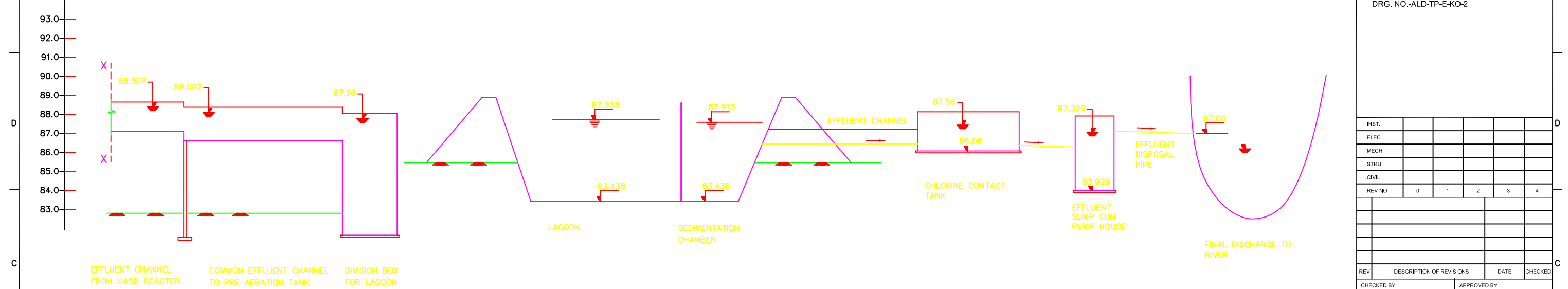
UNITS LIST			
Unit No.	Units.	Total Nos.	Size (m)
1.	Inlet Chamber and Pump House	1	Dia = 7.00, 3.4 SWD
2.	Screens	Phase-I (1W+1S) Phase-II (2W+1S)	7.0X1.2x1.0 SWD+0.3FB
3.	Grit Chamber	Phase-I (1W+1S) Phase-II (2W+1S)	5.2X5.2X1.0 SWD+0.3FB
4.	Division Chamber -1		
4a.	Feed Inlet Box		
5.	UASB Reactor	Phase-I 1 Phase-II 1	36.0X38.0X6.4 SWD+0.5FB
6.	Sludge Drying Beds	Phase-I 4 Phase-II 14	14.3X14.3X0.2
7.	Recycling Pump House	1	Dia = 4.50, 2.0 SWD
8.	Division Chamber - 2	1	
9.	Aerated Lagoon	Phase-I 1 Phase-II 1	40.0X160.0X4.5 SWD+1FB
10.	Chlorine Contact Tank	Phase-I 1 Phase-II 1	10.0X20.5
11.	Chlorination Bldg.	1	10.00X4.50
12.	Treated Effluent Sump Cum Pump House	1	Dia = 7.00, 3.4 SWD
13.	Administration Bldg.	1	80.0 sqm
14.	UPSEB Room	1	5.0X4.0
15.	Metering Room	1	5.0X2.5
16.	HT Room	1	5.0X4.0
17.	Transformer Room	1	5.0X5.0
18.	Transformer Room	1	5.0X5.0
19.	LT Room	1	10.0X5.0
20.	DG Set Room	1	6.0X4.5
21.	Guard Room	3	2.0X2.0

DRAWING NO. ALD-TP-E-KO-1
 SHT. NO. 161



NOTES:
 1) ALL DIMENSIONS & LEVELS ARE IN METER.

REFERENCE DRAWING:
 1) SITE PLAN REFER DRG. NO.-ALD-TP-E-KO-1
 2) LAYOUT PLAN & SECTION REFER DRG. NO.-ALD-TP-E-KO-2



FLOW DIAGRAM

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV. NO.	0	1	2	3	4
REV.	DESCRIPTION OF REVISIONS			DATE	CHECKED
CHECKED BY:	A. Bhatnagar			APPROVED BY:	
DRAWN	S. Mitra			D. Sarkar	
DESIGNED	R. Mittal			APPROVE	
SURVEYED				SCALE	DATE
				06-01-2005	

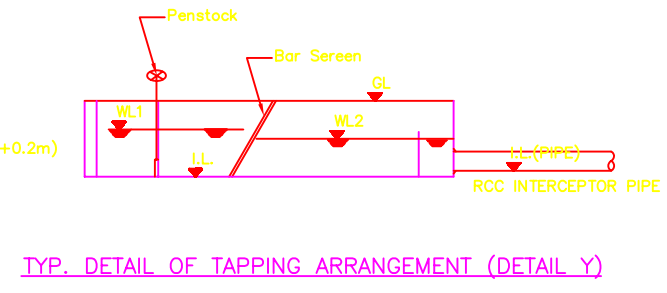
JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTI ENGINEERING INTERNATIONAL CO., LTD.
 STUP CONSULTANTS LTD.

PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR ALLAHABAD CITY

CORRIDOR: District - E
 KODARA - STP (3/7)

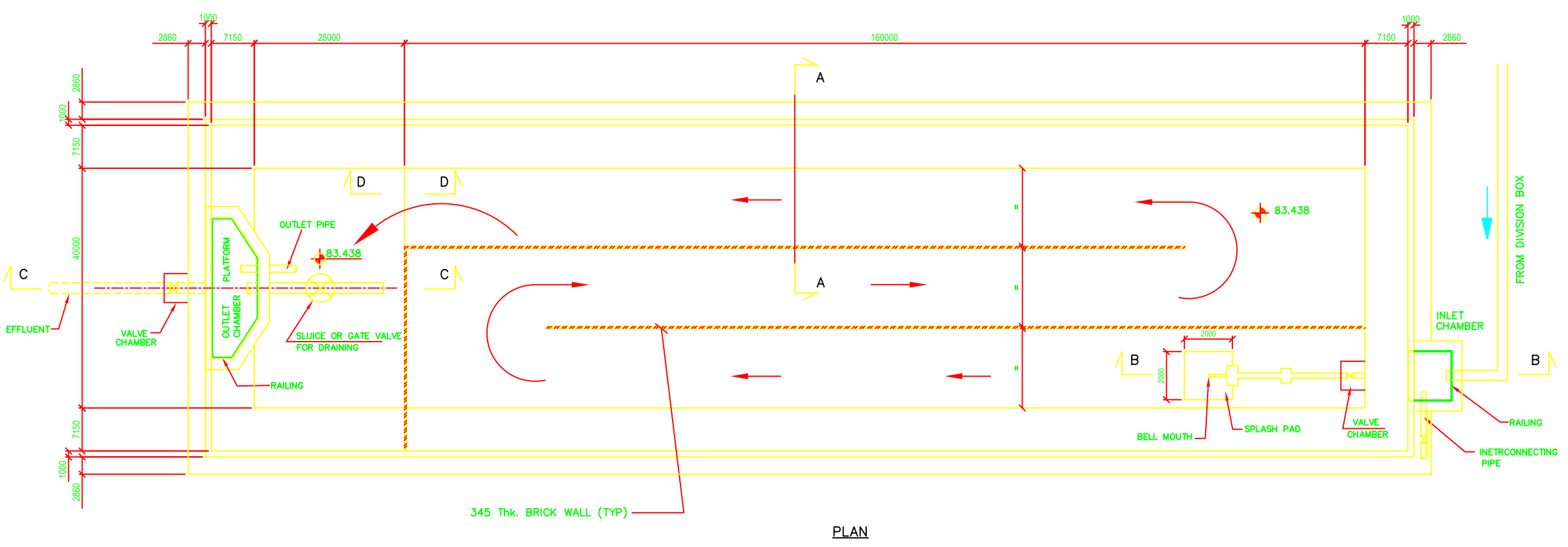
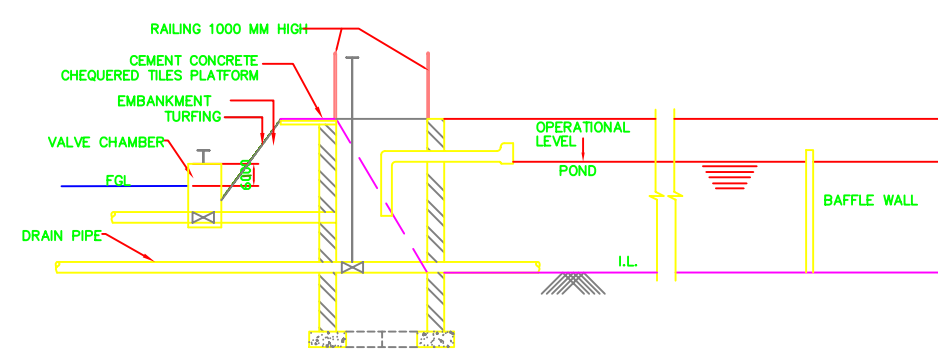
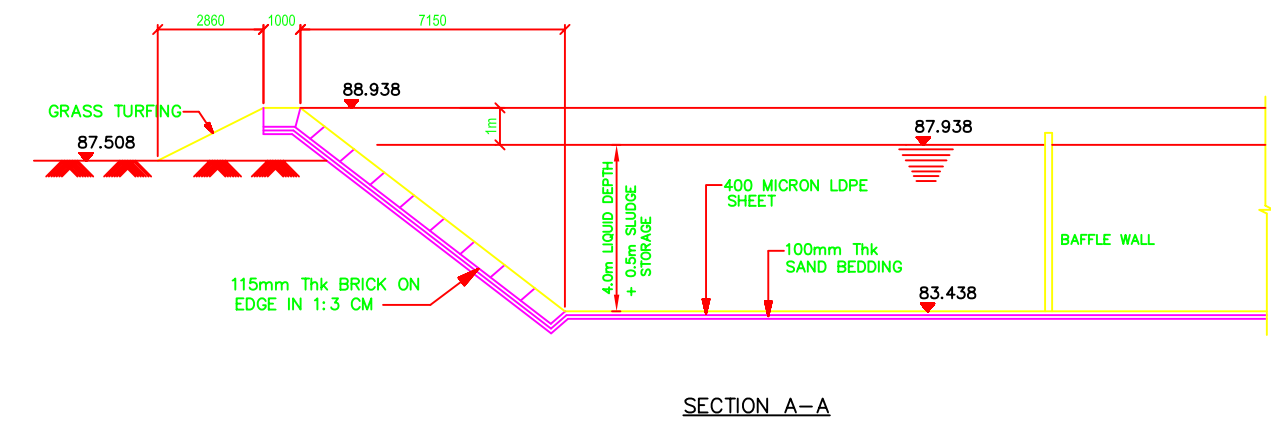
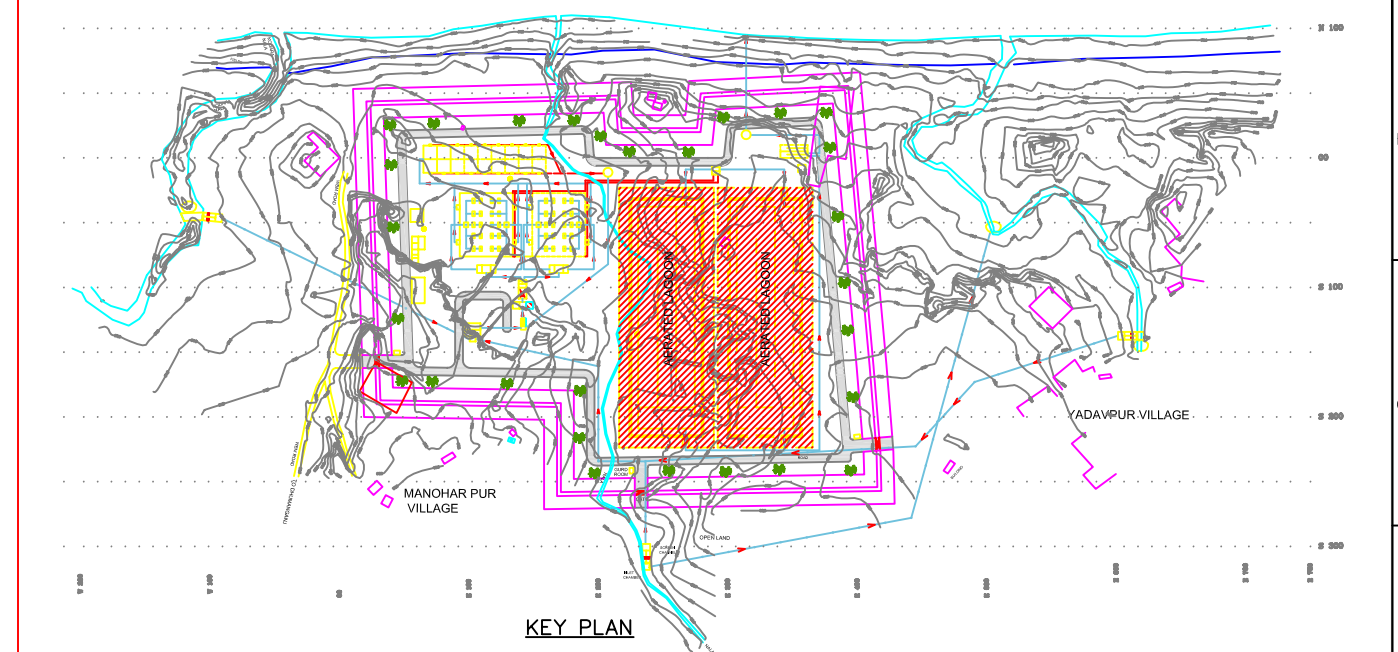
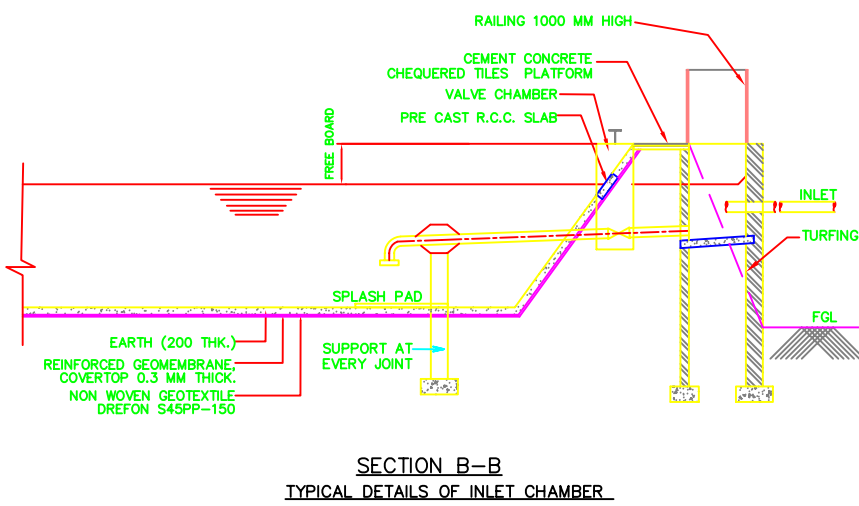
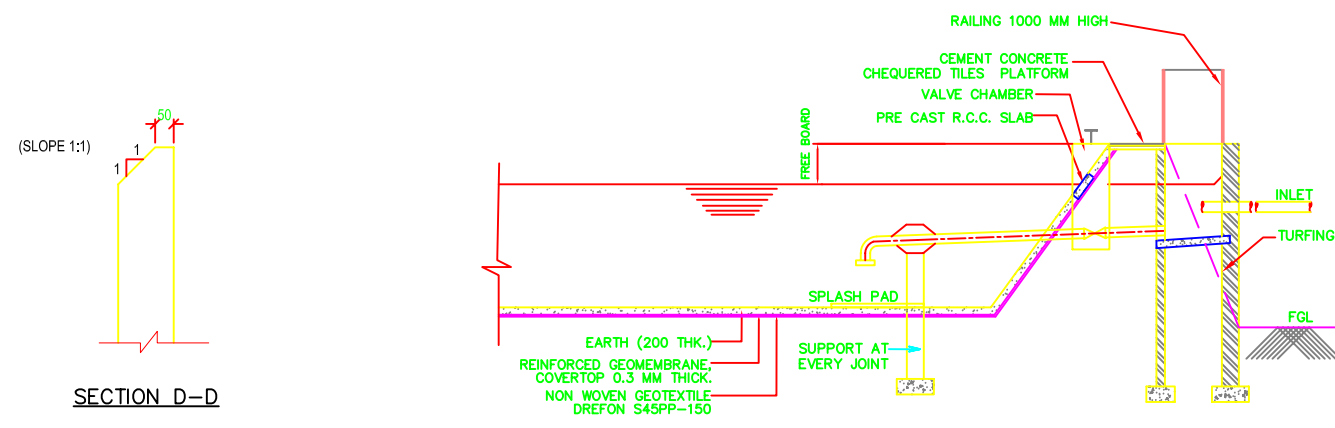
SHEET CONTENTS:
 HYDRAULIC FLOW DIAGRAM

DRAWING NO. ALD-TP-E-KO-3 **SHT. NO.** 163



DETAIL OF TAPPING BOXES

NALA	WL1	WL2	DIA.	IL (PIPE)	GL	IL
KODARA	79.30	79.00	600	78.52	82.50	78.30
NEHRU	83.70	83.40	300	83.16	85.00	82.70
NALA-3	84.43	84.63	300	84.39	86.00	83.43



NOTES :-

- ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METER.
- ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. DIMENSIONS ARE NOT TO BE SCALED.

LEGEND :-

PRESENT (PHASE - I)

FUTURE (PHASE -II)

REFERENCE DRAWING:

- SITE PLAN REFER DRG. NO.-ALD-TP-E-KO-1
- LAYOUT PLAN & SECTION REFER DRG. NO.-ALD-TP-E-KO-2
- HYDRAULIC FLOW DIAGRAM REFER DRG. NO.-ALD-TP-E-KO-3

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY:	A.Bhatnagar	CHECK	APPROVED BY: D.Sarkar
DRAWN	S.Mitra	APPROVE	
DESIGNED	R.Mittal	SCALE	1:400, 1:20
SURVEYED	S.Sharma	DATE	8-1-2005

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS:

- TOKYO ENGINEERING CONSULTANTS CO., LTD.
- CTI ENGINEERING INTERNATIONAL CO., LTD.
- STUP CONSULTANTS LTD.

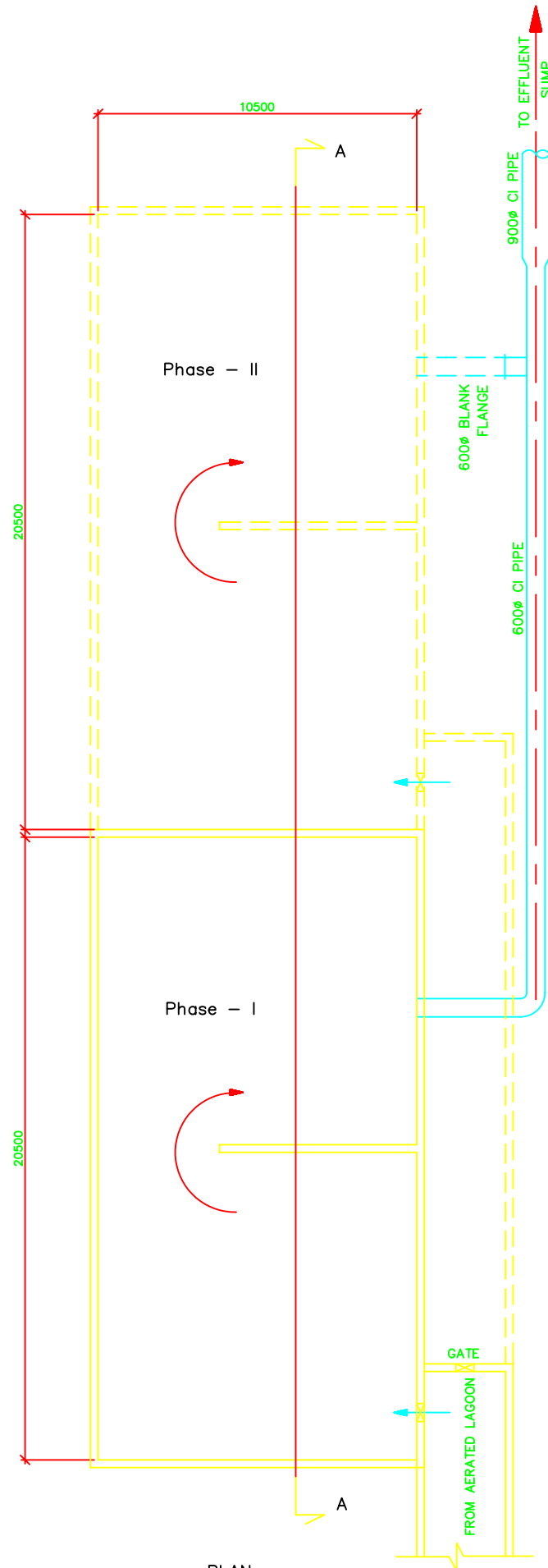
PROJECT:
THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR ALLAHABAD CITY

CORRIDOR: District - E
KODARA - STP (4/7)

SHEET CONTENTS:
G.A. OF AERATED LAGOON

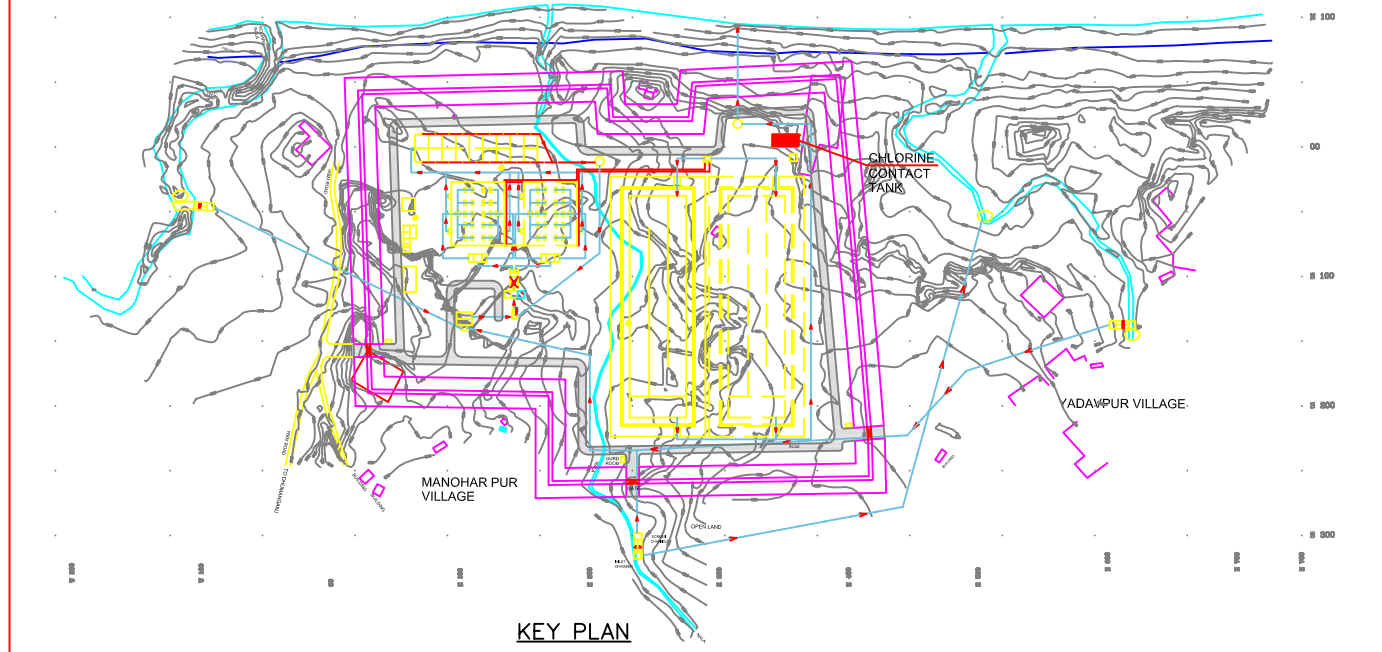
DRAWING NO. ALD - TP - E - KO - 4

SHT. NO. 164

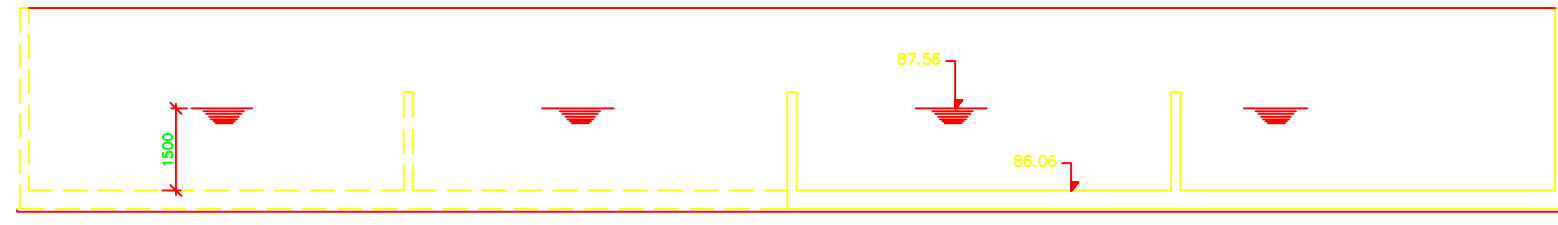


PLAN

NOTES :- CHLORINE MIXING ARRANGEMENT SHALL BE PROVIDED AS PER MANUFACTURE SPECIFICATION



KEY PLAN



SECTION A-A

NOTES :-

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METER.
2. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. DIMENSIONS ARE NOT TO BE SCALED.

LEGEND :-

PRESENT (PHASE - I)

FUTURE (PHASE -II)

REFERENCE DRAWING:

- 1) SITE PLAN REFER DRG. NO.-ALD-TP-E-KO-1
- 2) LAYOUT PLAN & SECTION REFER DRG. NO.-ALD-TP-E-KO-2
- 3) HYDRAULIC FLOW DIAGRAM REFER DRG. NO.-ALD-TP-E-KO-3

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY:	A.Bhatnagar	CHECK	APPROVED BY:	D.Sarkar	
DRAWN	S.Mitra	SCALE	1:100	DATE	8-1-2005
DESIGNED	R.Mittal	DATE			
SURVEYED	S.Sharma				

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS:

- TOKYO ENGINEERING CONSULTANTS CO., LTD.
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- STUP CONSULTANTS LTD.

PROJECT:

THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA

FEASIBILITY STUDY FOR ALLAHABAD CITY

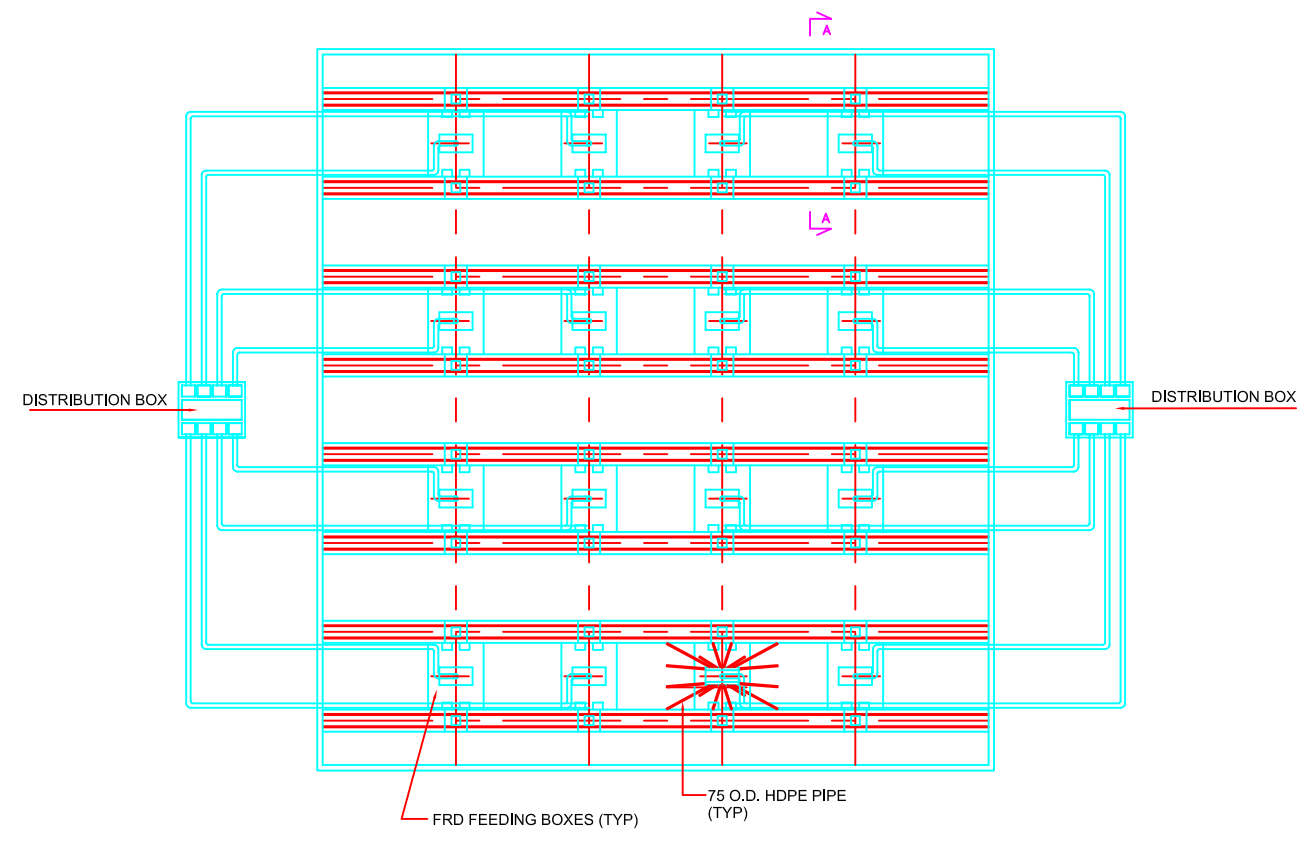
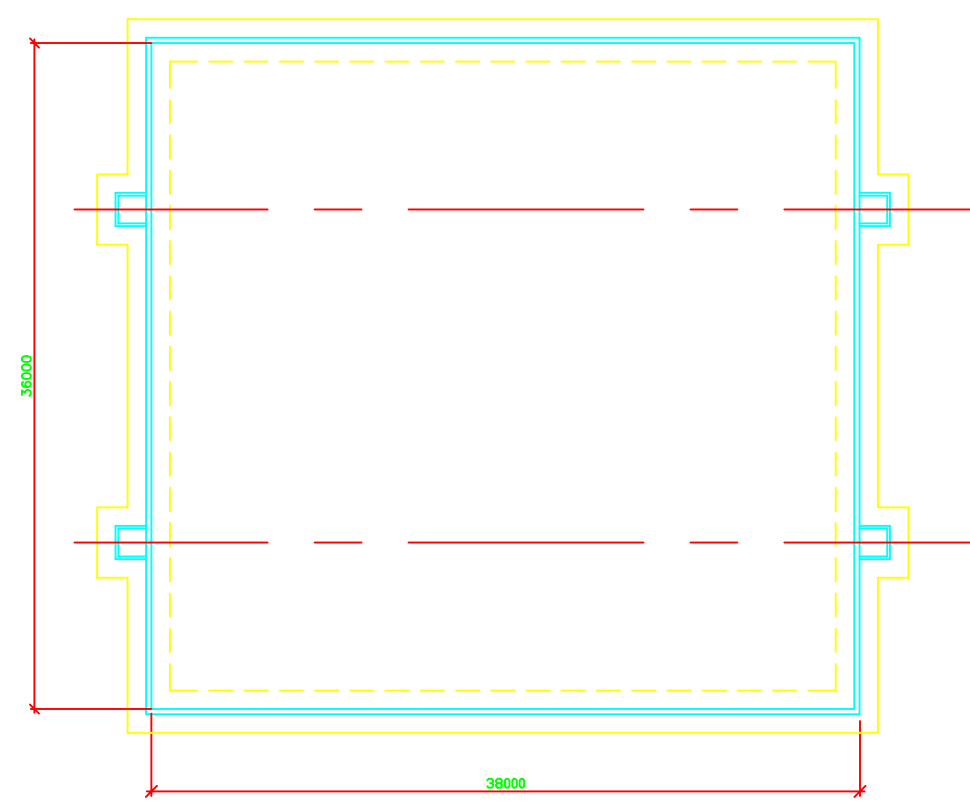
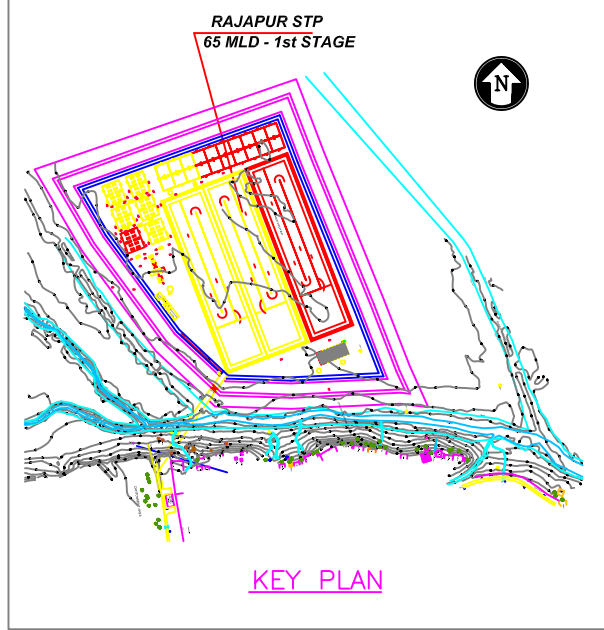
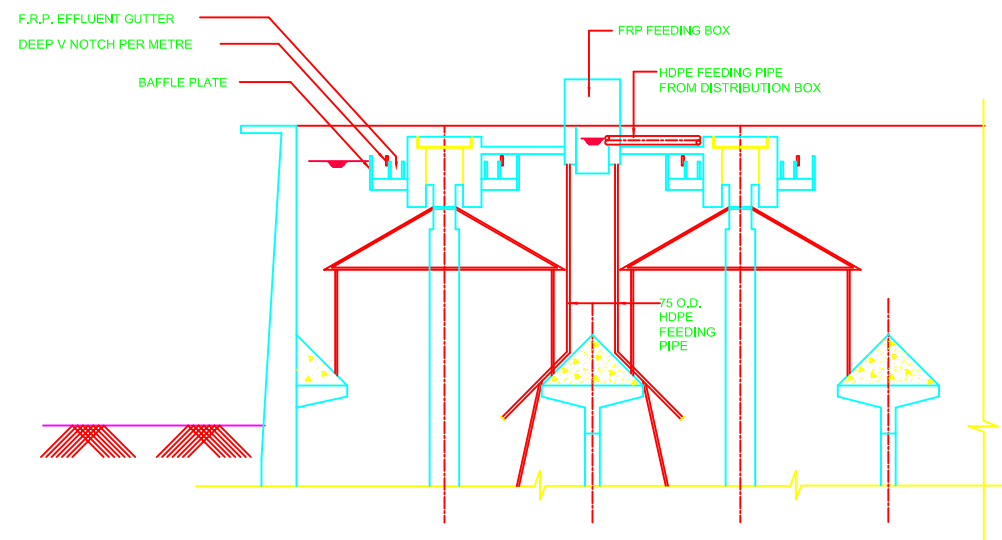
CORRIDOR: District - E KODARA - STP (5/7)

SHEET CONTENTS:

G.A.OF CHLORINE CONTACT TANK

DRAWING NO. ALD-TP-E-KO-5

SHT. NO. 165



NOTES :-

1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METER.
2. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. DIMENSIONS ARE NOT TO BE SCALED.

REFERENCE DRAWING:

- 1) SITE PLAN REFER DRG. NO.-ALD-TP-E-KO-1
- 2) LAYOUT PLAN & SECTION REFER DRG. NO.-ALD-TP-E-KO-2
- 3) HYDRAULIC FLOW DIAGRAM REFER DRG. NO.-ALD-TP-E-KO-3

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV. NO.	0	1	2	3	4
REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED		
CHECKED BY:	A. Bhatnagar		APPROVED BY:		
CHECK			D. Sarkar		
DRAWN	Surendra	SCALE		APPROVE	
DESIGNED	R. Mittal	SCALE		1:100	
SURVEYED	S. Sharma	DATE		3-1-2005	

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

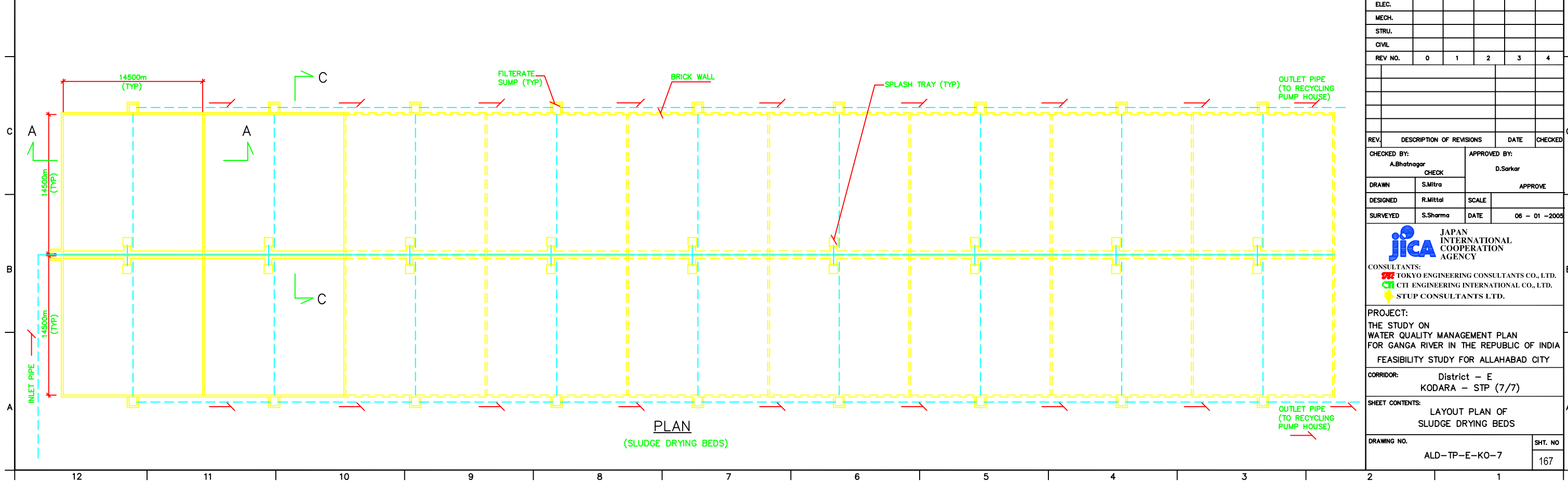
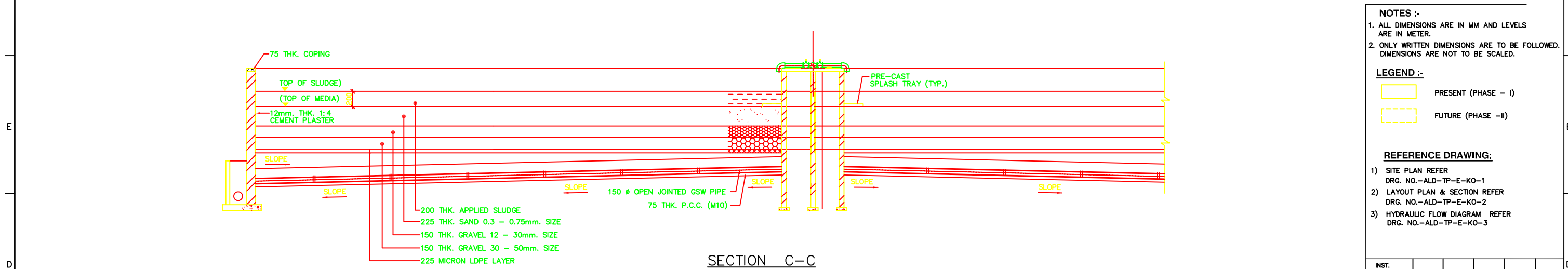
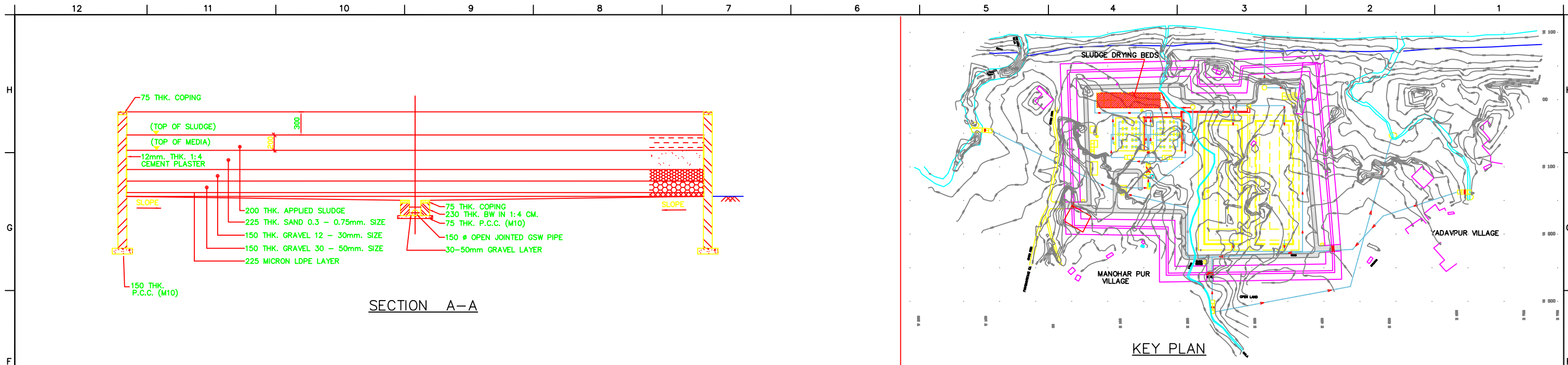
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTI ENGINEERING INTERNATIONAL CO., LTD.
 STUP CONSULTANTS LTD.

PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR ALLAHABAD CITY

CORRIDOR: District - E
 KODARA - STP (6/7)

SHEET CONTENTS:
 G.A. OF UASB REACTOR

DRAWING NO. ALD-TP-E-KO-6
 SHEET NO. 166



NOTES :-
 1. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METER.
 2. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. DIMENSIONS ARE NOT TO BE SCALED.

LEGEND :-
 [Solid Yellow Box] PRESENT (PHASE - I)
 [Dashed Yellow Box] FUTURE (PHASE -II)

REFERENCE DRAWING:
 1) SITE PLAN REFER DRG. NO.-ALD-TP-E-KO-1
 2) LAYOUT PLAN & SECTION REFER DRG. NO.-ALD-TP-E-KO-2
 3) HYDRAULIC FLOW DIAGRAM REFER DRG. NO.-ALD-TP-E-KO-3

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY: A.Bhatnagar
 CHECKED: S.Mitra
 APPROVED BY: D.Sarkar
 APPROVE: [Signature]

DESIGNED: R.Mittal
 SCALE: [Blank]
 SURVEYED: S.Sharma
 DATE: 06-01-2005

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTI ENGINEERING INTERNATIONAL CO., LTD.
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PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR ALLAHABAD CITY

CORRIDOR: District - E
 KODARA - STP (7/7)

SHEET CONTENTS: LAYOUT PLAN OF SLUDGE DRYING BEDS

DRAWING NO. ALD-TP-E-KO-7
SHT. NO. 167