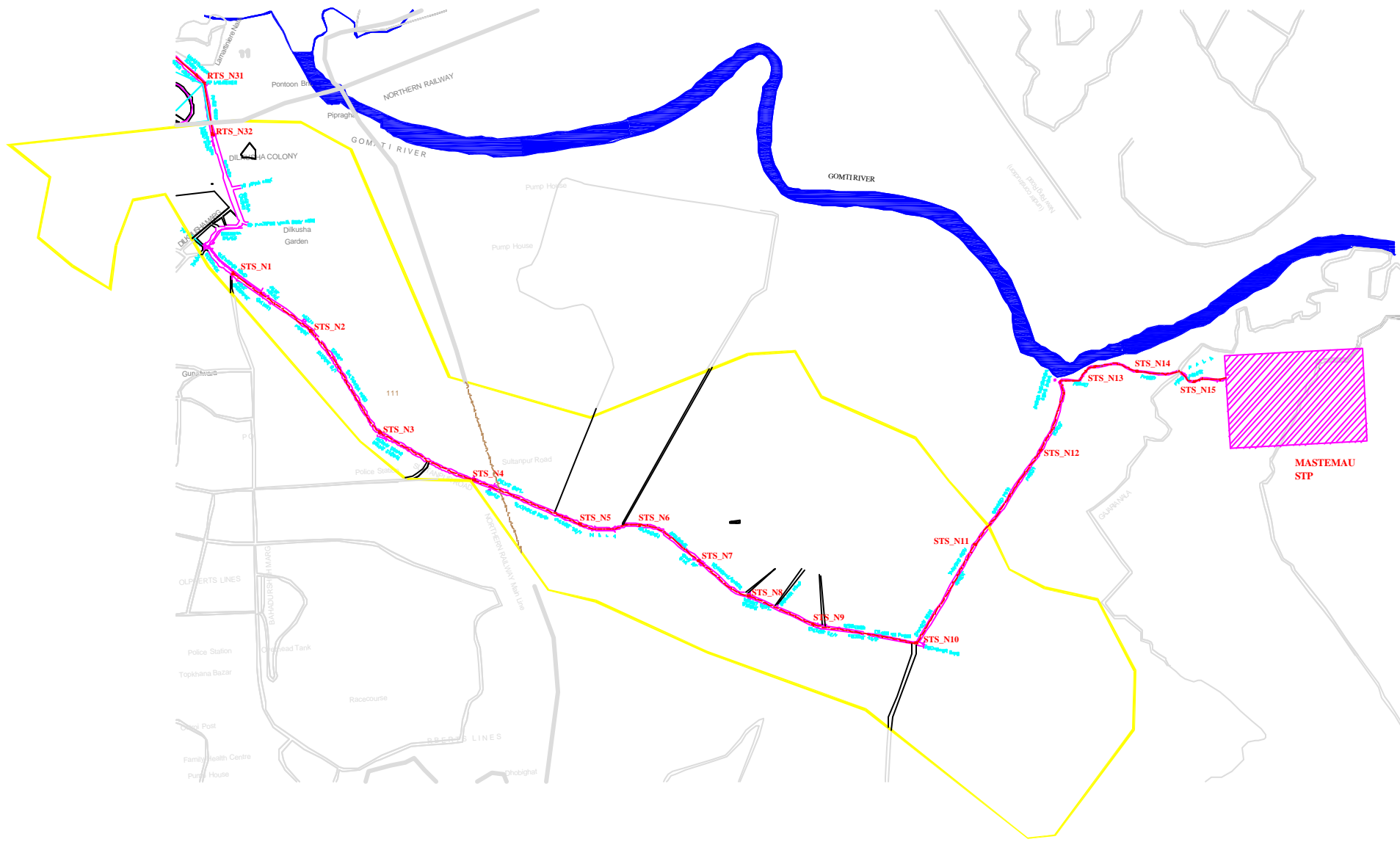




NOTES:-



LEGEND:-

- PROPOSED SEWER
- MAIN CATCHMENT BOUNDARY
- RAILWAY
- WARD BOUNDARY
- 111 WARD NOS.
- PUMPING STATION
- PSA 31 FUTURE SERVICE AREA
- STS_N1 NODE NUMBER
- PROPOSED STP

REFERENCE DRAWINGS:-
 1. BASE MAP WITH SOVERPAGE ZONES LKO-BASE MAP-1
 2. BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS LKO-BASE MAP-2
 3. KEY PLAN-1 LKO-BASE MAP-1

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY:	APPROVED BY:
SAURABH MISRA	V.N.SONTAKKE
DRAWN:	FERUJAO
DESIGNED:	N.D.JAAYEKAR
BURVEYED:	VERMA
SCALE:	15000
DATE:	24-12-04

NODE	PIPE	
	SIZE (mm)	LENGTH (mm)
STS_N1 - STS_N2	2400	550
STS_N2 - STS_N3	2400	700
STS_N3 - STS_N4	2400	600
STS_N4 - STS_N5	2400	650
STS_N5 - STS_N6	2400	350
STS_N6 - STS_N7	2400	400
STS_N7 - STS_N8	2400	350
STS_N8 - STS_N9	2400	400
STS_N9 - STS_N10	2400	600
STS_N10 - STS_N11	2400	600
STS_N11 - STS_N12	2400	700
STS_N12 - STS_N13	2400	650
STS_N13 - STS_N14	2400	250
STS_N14 - STS_N15	2400	350
STS_N15 - MM_P8	2400	300

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANTS:
 M/S. JICA CONSULTANTS PRIVATE LIMITED
 M/S. VERMA PRAKASH LIMITED

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

SHEET CONTENTS:
 CATCHMENT AREA OF SULTANPUR ROAD TRUNK SEWER



NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

- TRENCHLESS ---
- PROPOSED SEWER LINE ---
- RISING MAIN ---
- ROAD ---
- RAILWAY LINE |||||
- BORE HOLE +
- ELECTRICAL POLE □
- PLOT BOUNDARY ---
- BUILDING □
- TEMPLE □
- BRIDGE / CULVERT ()
- ROAD DIVIDER ---
- MOBILE □
- SPOT LEVEL ■
- NALLA ---
- TEMPORARY BEANCH MARK TBM-117700 N. □
- ORDINARY MANHOLE MH
- SCRAPER MANHOLE SMH
- VENT SHAFT VS

REFERENCE DRAWING :

- 1) BASEMAP WITH SEWERAGE ZONES LKD-BASE MAP-1
- 2) BASEMAP WITH WARD BOUNDARIES AND PROPOSED PRIORITY PROJECTS LKD-BASE MAP-2
- 3) KEY PLAN LKD-KEY-1
- 4) CATCHMENT AREA OF SULTANPUR ROAD TRUNK SEWER LKD-CA-ST5

INST.					
EXCD.					
MECH.					
STR.					
CIVIL					
REV. NO.	0	1	2	3	4

D					
REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED		

CHECKED BY:		APPROVED BY:	
SAURABH MISRA		V.N.SANTHAK	
DRAWN	H.S.PANWAR	SCALE	AS SHOWN
DESIGNED	N.D.JAGVEKAR	DATE	11-12-2004
SURVEYED	VERMA		

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

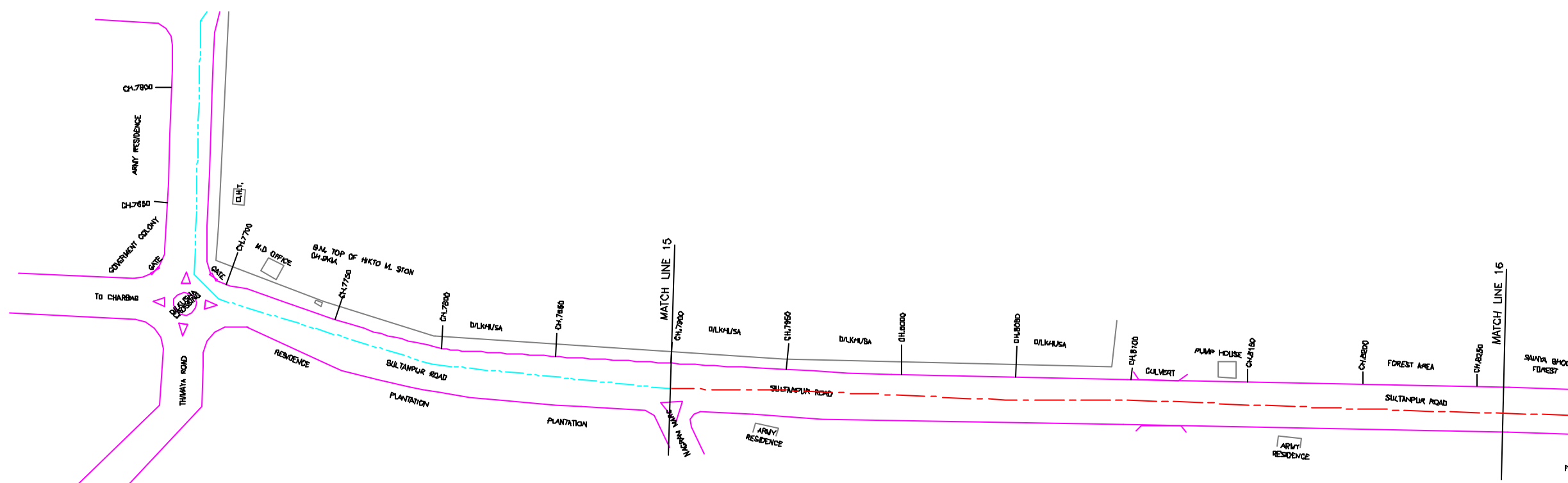
CONSULTANTS:

TOKYO ENGINEERING CONSULTANTS CO., LTD.
 C.T.I. ENGINEERING INTERNATIONAL CO., LTD.
 M/S. VERMA PRIVATE LIMITED

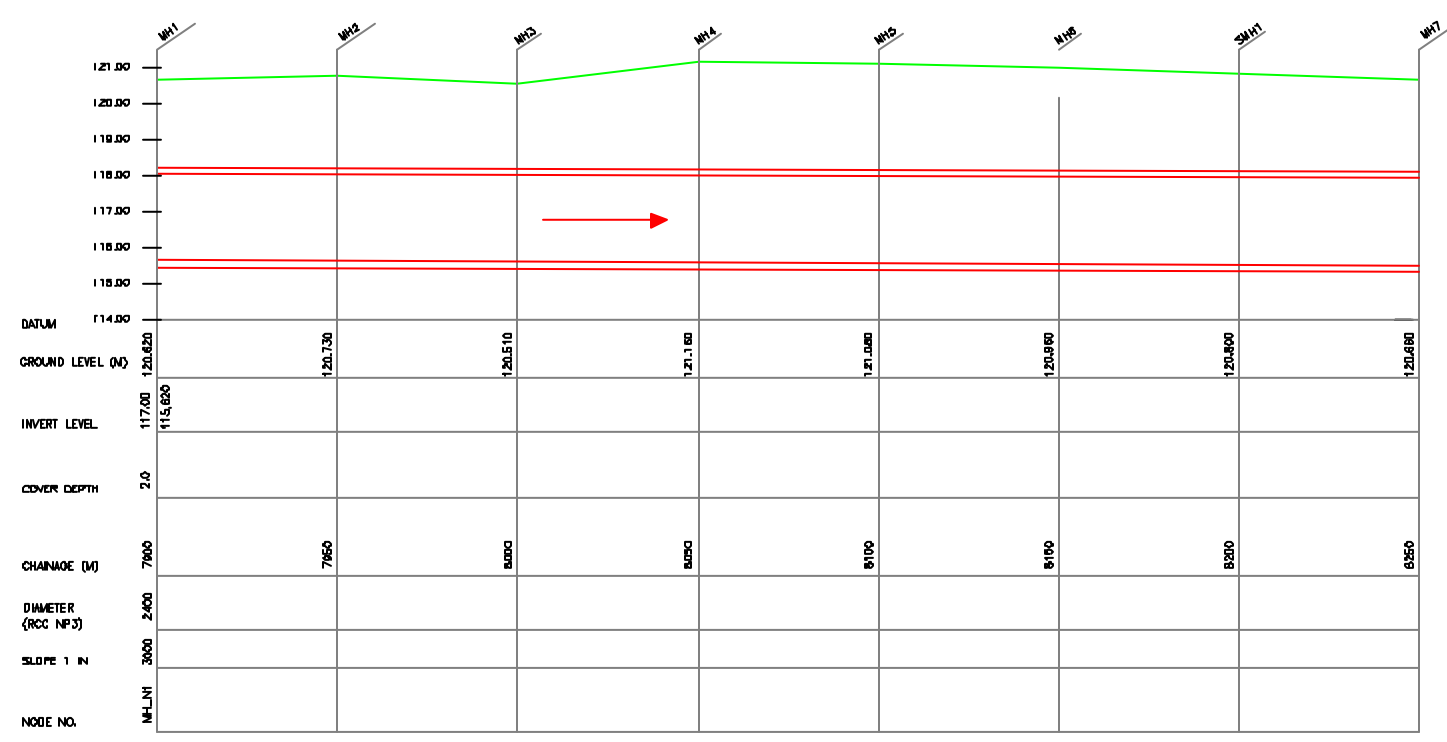
PROJECT:
THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR LUCKNOW CITY

SHEET CONTENTS:
PLAN AND PROFILE OF SULTANPUR ROAD TRUNK SEWER (SHEET 1/13)

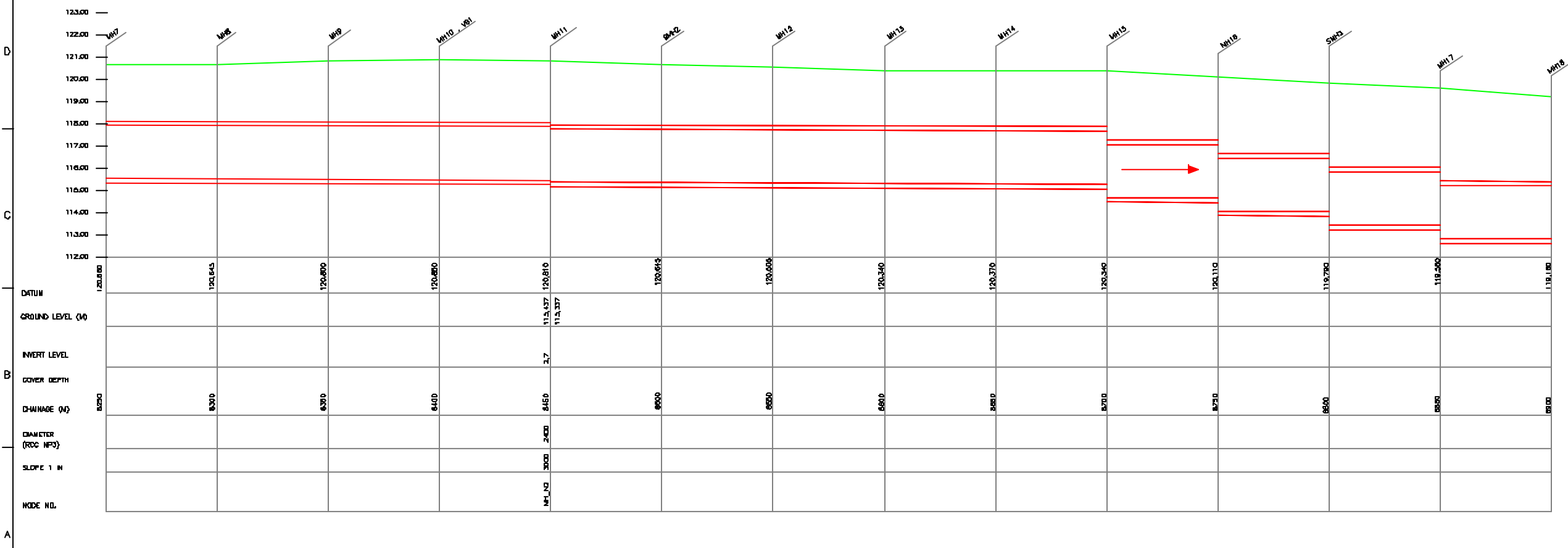
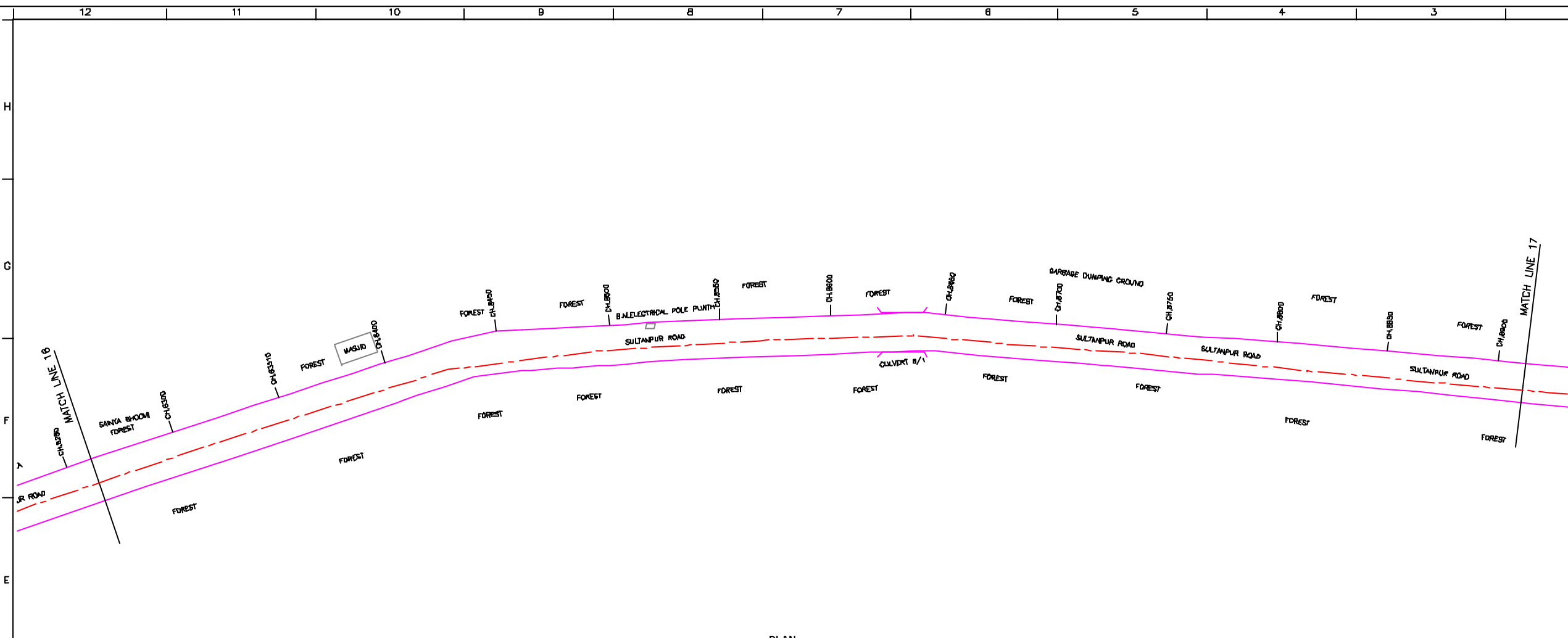
DRAWING NO.	SR. NO.
LKO-PP-ST5-1	20



PLAN
SCALE- 1 : 1000



L-SECTION
SCALE- HOR. 1 : 1000, VERT. 1 : 100



NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

TRENCHLESS PROPOSED SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLAT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
MOBILE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	TBM-117.700 N.
ORDINARY MANHOLE	MH
SCRAPER MANHOLE	SMH
VENT SHAFT	VS

- REFERENCE DRAWING :**
- 1) BASEMAP WITH SEWERAGE ZONES LKD-BASE MAP-1
 - 2) BASEMAP WITH WARD BOUNDARIES AND PROPOSED PRIORITY PROJECTS LKD-BASE MAP-2
 - 3) KEY PLAN LKD-KEY-1
 - 4) CATCHMENT AREA OF SULTANPUR ROAD TRUNK SEWER LKD-CA-ST5

INST.					
ELCD.					
MECH.					
STRA.					
CIVL.					
REV. NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY:	BAURABH MIBRA	APPROVED BY:	V.N.SANTHAK
DRAWN	H.S.PANWAR	SCALE	AS SHOWN
DESIGNED	N.D.JAGVEKAR	DATE	11-12-2004
SURVEYED	VERMA		

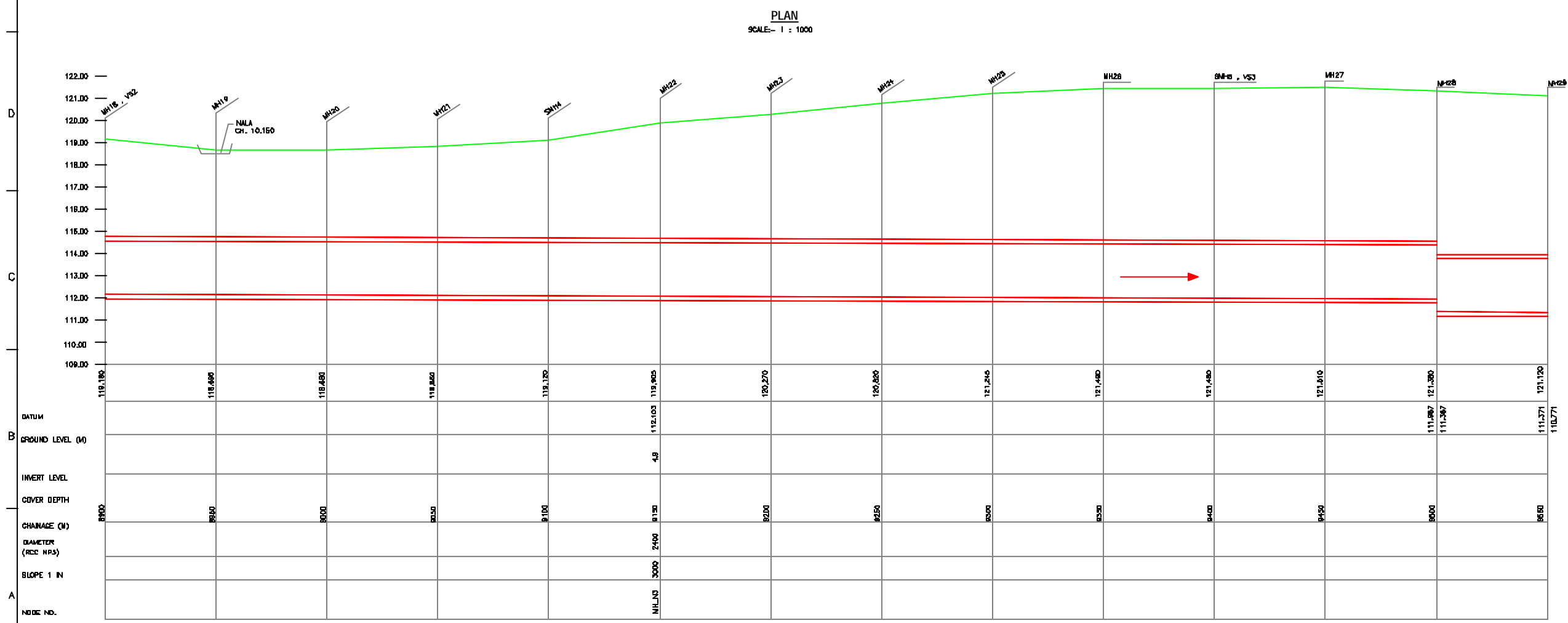
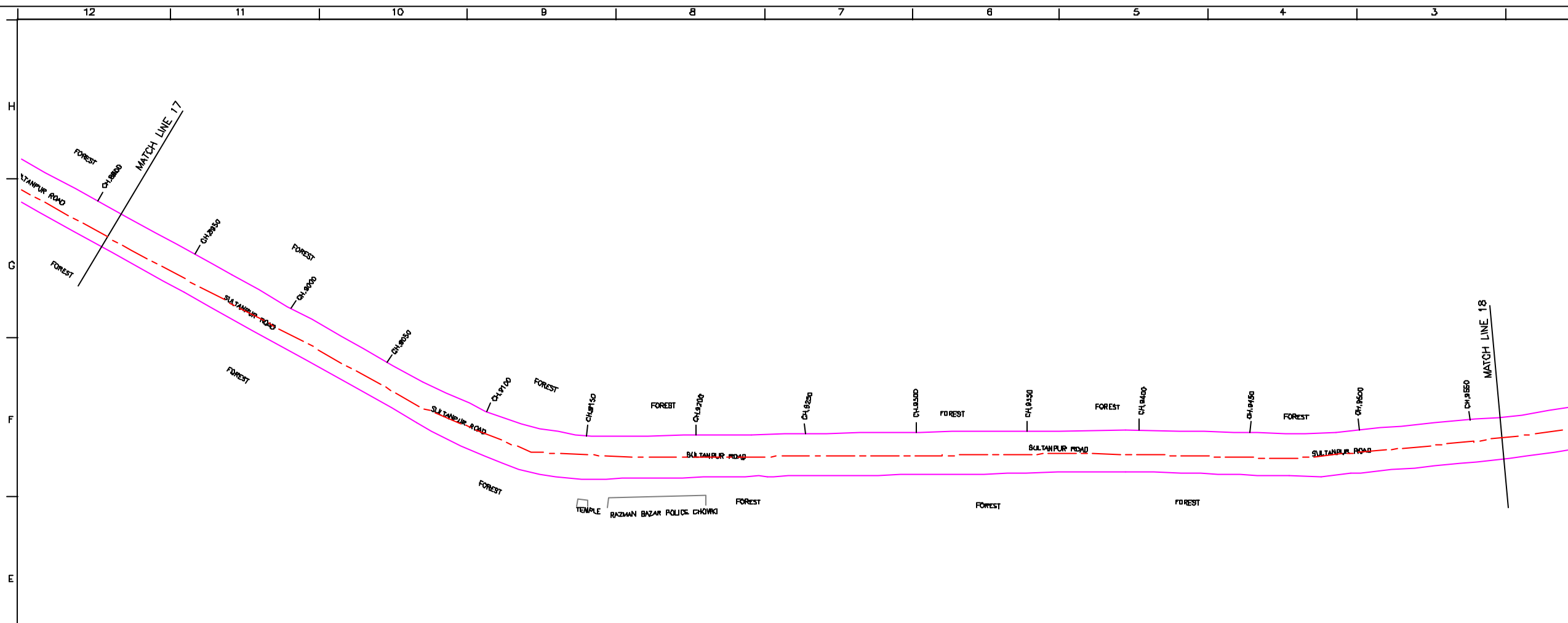
CONSULTANTS:

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

TOKYO ENGINEERING CONSULTANTS CO., LTD.
CTI ENGINEERING INTERNATIONAL CO., LTD.
SHRI VERMA PRIVATE LIMITED

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

SHEET CONTENTS:
PLAN AND PROFILE OF SULTANPUR ROAD TRUNK SEWER (SHEET 2/13)



NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

- TRENCHLESS PROPOSED SEWER LINE
- ROAD
- RAILWAY LINE
- BORE HOLE
- ELECTRICAL POLE
- PLANT BOUNDARY
- BUILDING
- TEMPLE
- BRIDGE / CULVERT
- ROAD DIVIDER
- MOBILE
- SPOT LEVEL
- NALLA
- TEMPORARY BEANCH MARK TBM-117.700 N.
- ORDINARY MANHOLE
- SCRAPER MANHOLE
- VENT SHAFT

- REFERENCE DRAWING :**
- BASEMAP WITH SEWERAGE ZONES LKD-BASE MAP-1
 - BASEMAP WITH WARD BOUNDARIES AND PROPOSED PRIORITY PROJECTS LKD-BASE MAP-2
 - KEY PLAN LKD-KEY-1
 - CATCHMENT AREA OF SULTANPUR ROAD TRUNK SEWER LKD-CA-ST5

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

CHECKED BY:	SAURABH MISHRA	APPROVED BY:	V.N.SANTHAK
DRAWN	H.S.PANWAR	SCALE	AS SHOWN
DESIGNED	N.D.JAGDEKAR	DATE	11-12-2004
SURVEYED	VERMA		

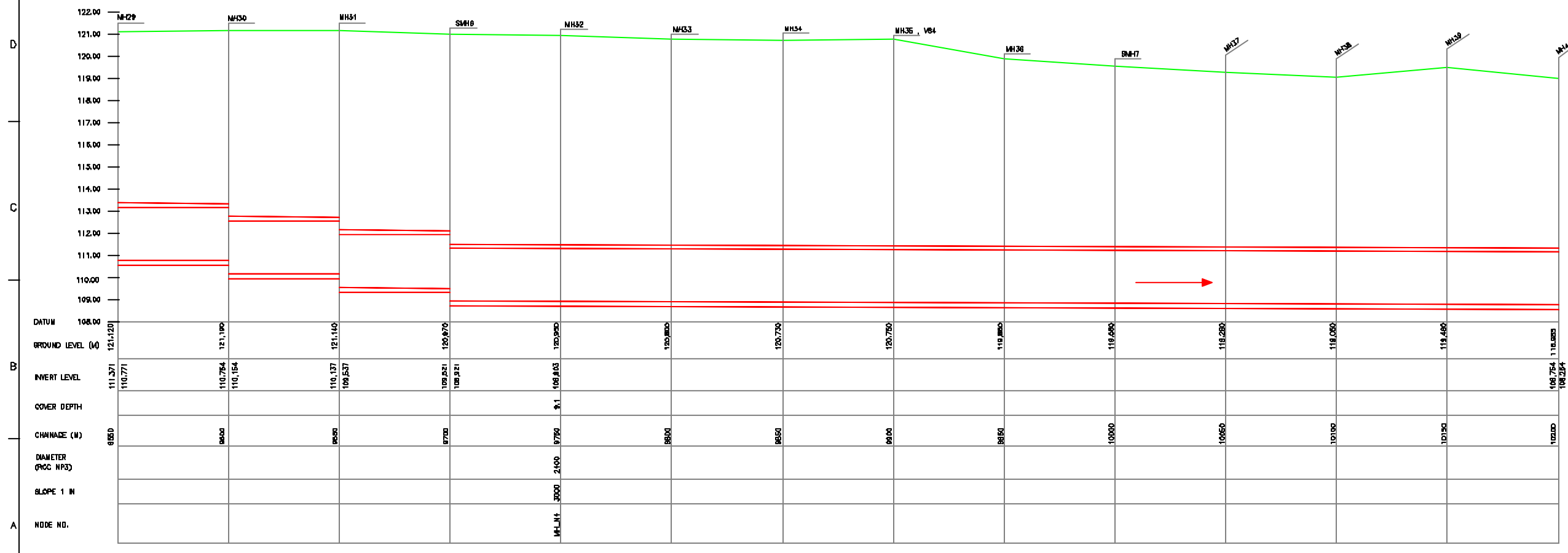
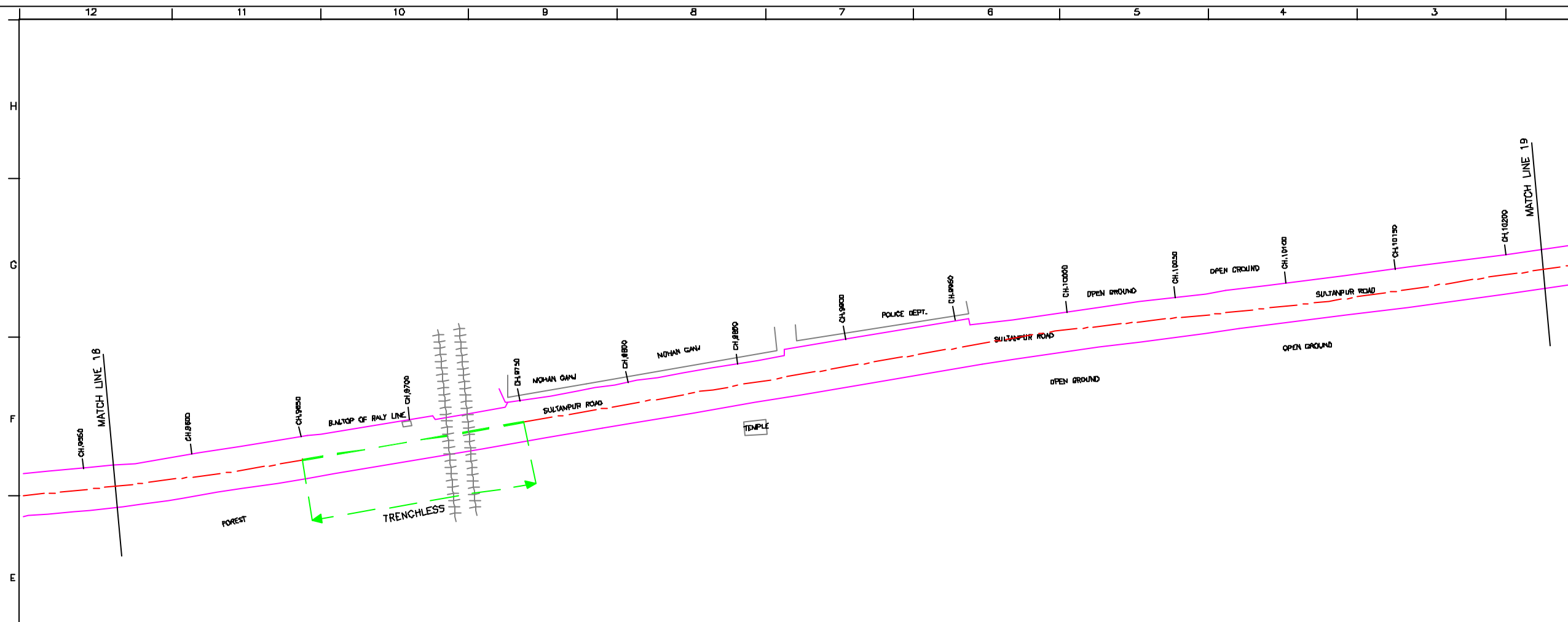
CONSULTANTS:

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SHRI VERMA PRIVATE LIMITED

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

SHEET CONTENTS:
PLAN AND PROFILE OF SULTANPUR ROAD TRUNK SEWER (SHEET 3/13)



NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

TRENCHLESS	---
PROPOSED SEWER LINE	---
ROAD	---
RAILWAY LINE	|||||
BORE HOLE	○
ELECTRICAL POLE	⊥
PLOT BOUNDARY	---
BUILDING	▭
TEMPLE	⊕
BRIDGE / CULVERT	⌒
ROAD DIVIDER	⊥
MOBILE	⊥
SPOT LEVEL	⊕
NALLA	---
TEMPORARY BEANCH MARK	TBM-117.700 N.
ORDINARY MANHOLE	MH
SCRAPER MANHOLE	SMH
VENT SHAFT	VS

- REFERENCE DRAWING :**
- 1) BASEMAP WITH SEWERAGE ZONES LKD-BASE MAP-1
 - 2) BASEMAP WITH WARD BOUNDRIES AND PROPOSED PRIORITY PROJECTS LKD-BASE MAP-2
 - 3) KEY PLAN LKD-KEY-1
 - 4) CATCHMENT AREA OF SULTANPUR ROAD TRUNK SEWER LKD-CA-ST5

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

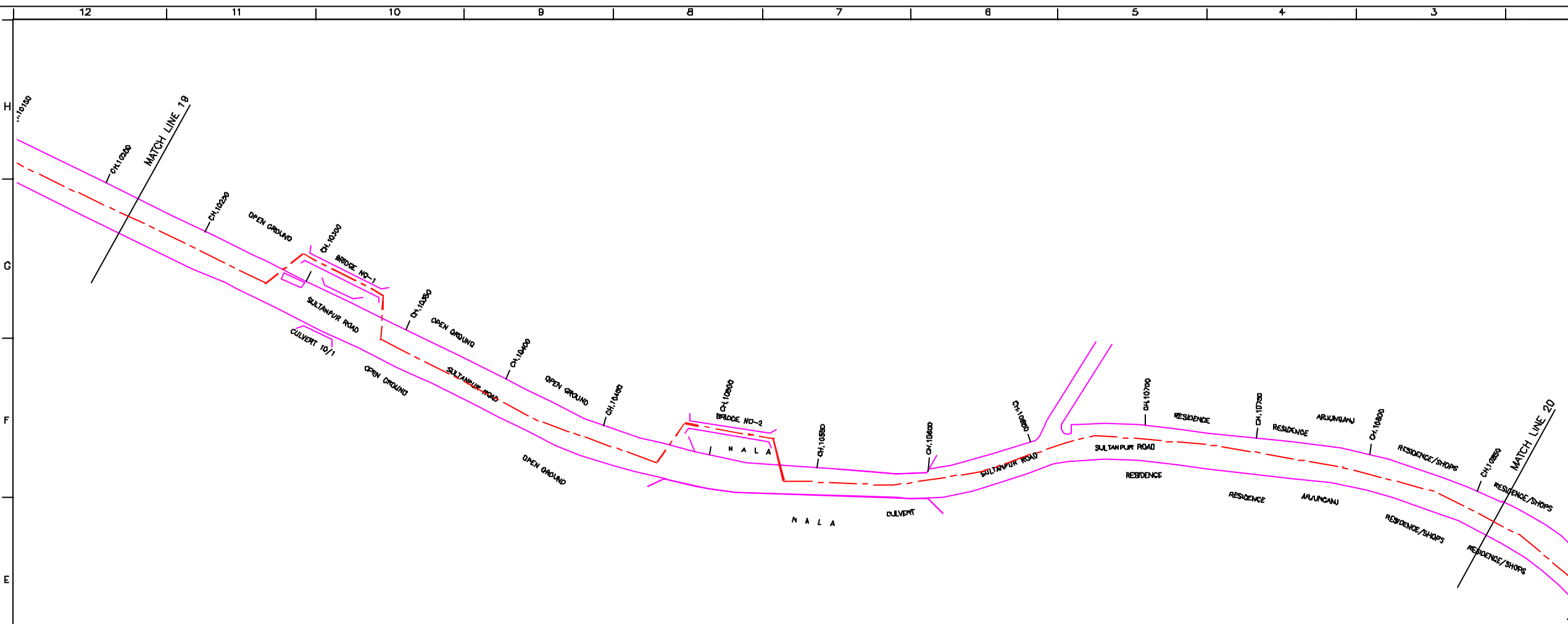
CHECKED BY:	SAURABH MERA	APPROVED BY:	V.N.SANTHAK
DRAWN	H.S.PANWAR	SCALE	AS SHOWN
DESIGNED	N.D.JAGDEKAR	DATE	11-12-2004

CONSULTANTS:

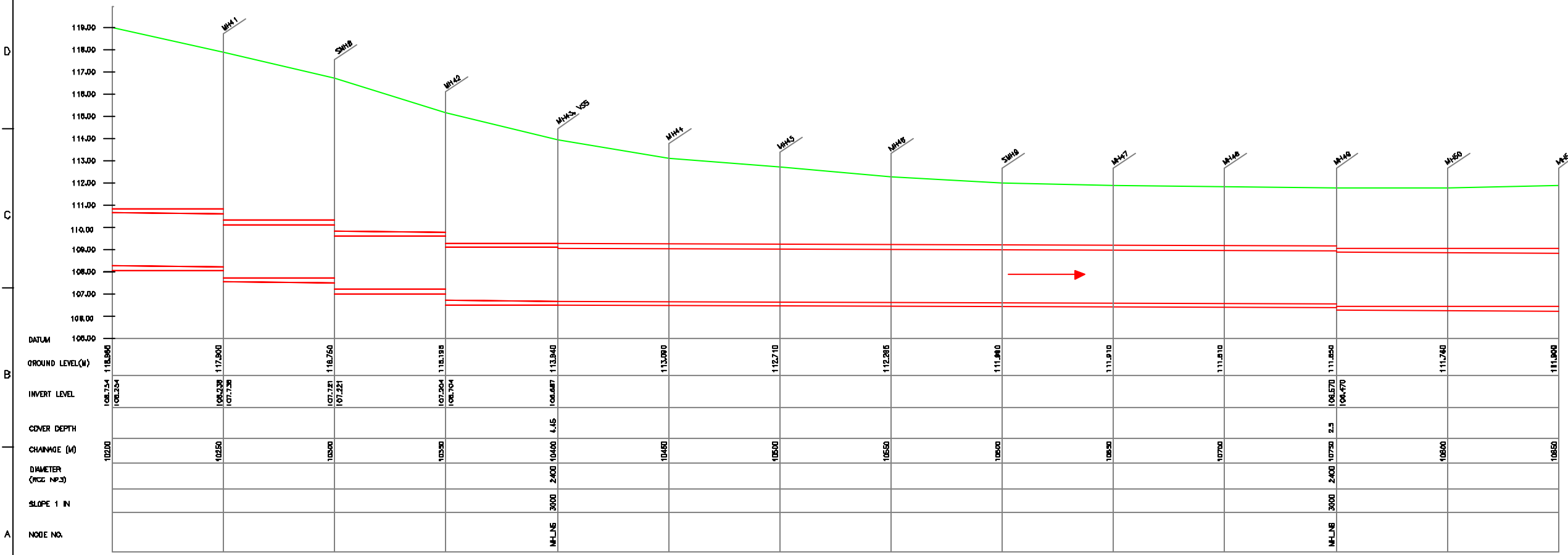
 JAPAN INTERNATIONAL COOPERATION AGENCY
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 C.T.I. ENGINEERING INTERNATIONAL CO., LTD.
 MVA PRIVATE LIMITED

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

SHEET CONTENTS:
 PLAN AND PROFILE OF SULTANPUR ROAD TRUNK SEWER (SHEET 4/13)



PLAN
SCALE- 1 : 1000



L-SECTION
SCALE- HDR. 1 : 1000, VER. 1 : 100

NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

- TRENCHLESS PROPOSED SEWER LINE
- RAILWAY LINE
- RAILWAY LINE
- BORE HOLE
- ELECTRICAL POLE
- PLOT BOUNDARY
- BUILDING
- TEMPLE
- BRIDGE / CULVERT
- ROAD DIVIDER
- MOBILE
- SPOT LEVEL
- NALLA
- TEMPORARY BEANCH MARK TBM-117.700 N.
- ORDINARY MANHOLE
- SCRAPER MANHOLE
- VENT SHAFT

REFERENCE DRAWING :

- BASEMAP WITH SEWERAGE ZONES LKD-BASE MAP-1
- BASEMAP WITH WARD BOUNDARIES AND PROPOSED PRIORITY PROJECTS LKD-BASE MAP-2
- KEY PLAN LKD-KEY-1
- CATCHMENT AREA OF SULTANPUR ROAD TRUNK SEWER LKD-CA-ST5

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

CHECKED BY:	SAURABH MISRA	APPROVED BY:	V.N.SANTHAK
DRAWN:	H.S.PANWAR	SCALE:	AS SHOWN
DESIGNED:	N.D.JAGVEKAR	DATE:	11-12-2004
SURVEYED:	VERMA		

CONSULTANTS:

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

SHEET CONTENTS:
 PLAN AND PROFILE OF SULTANPUR ROAD TRUNK SEWER (SHEET 5/13)

DRAWING NO.	LKO-PP-ST5-5	SR. NO.	24
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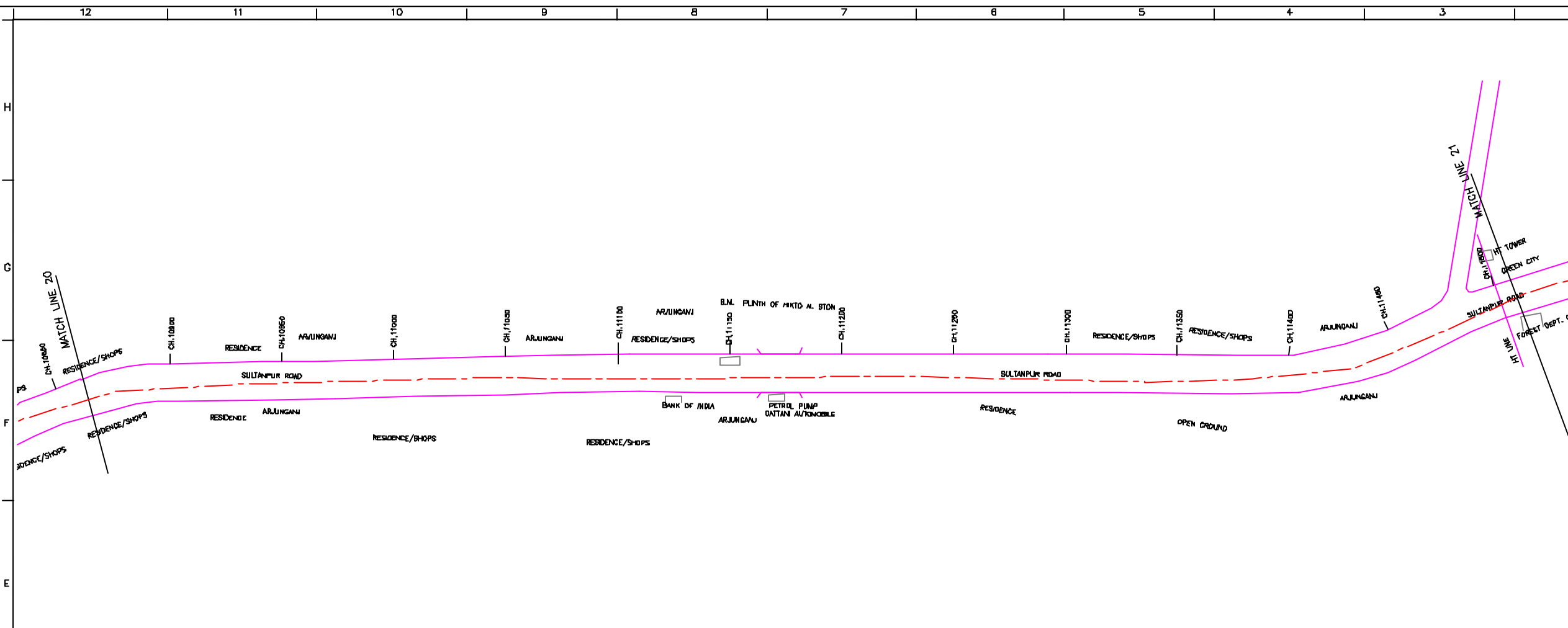


NOTE:
1) ALL THE LEVELS ARE IN METERS.

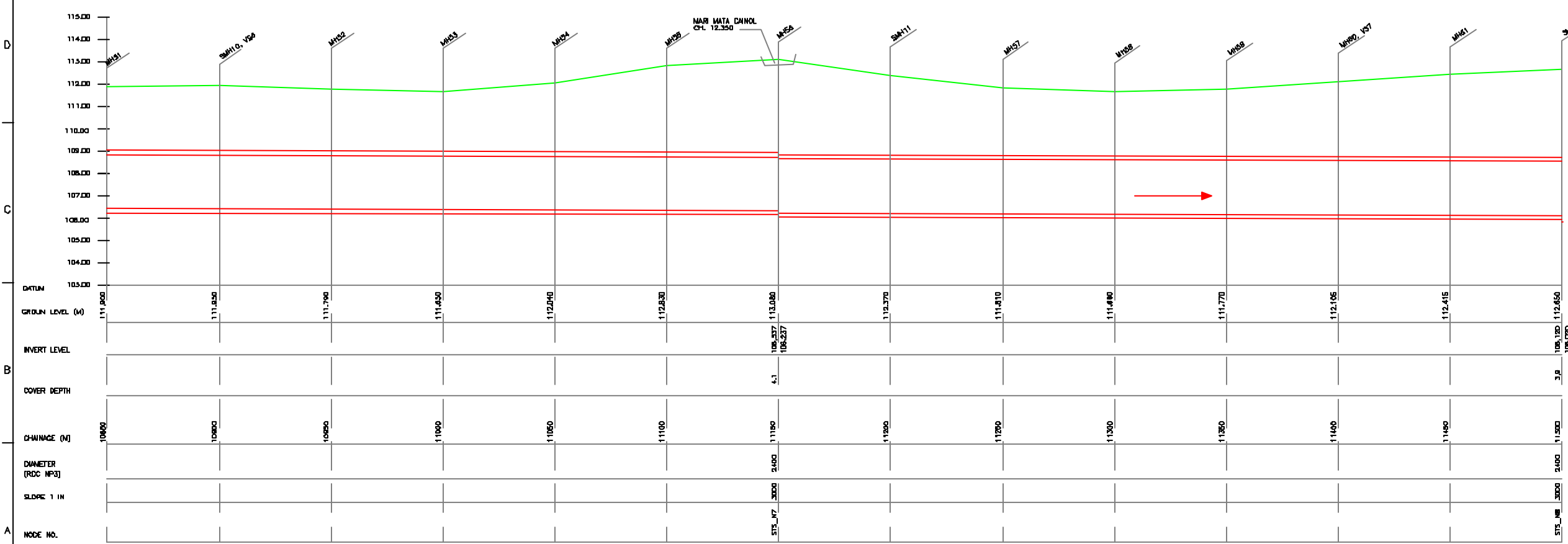
LEGEND

TRENCHLESS	
PROPOSED SEWER LINE	
RISING MAIN	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
MOBILE	
SPOT LEVEL	
NALLA	
TEMPORARY BEANCH MARK TBM-117.700 N.	
ORDINARY MANHOLE	MH
SCRAPPER MANHOLE	SMH
VENT SHAFT	VS

- REFERENCE DRAWING :**
- 1) BASEMAP WITH SEWERAGE ZONES LKD-BASE MAP-1
 - 2) BASEMAP WITH WARD BOUNDRIES AND PROPOSED PRIORITY PROJECTS LKD-BASE MAP-2
 - 3) KEY PLAN LKD-KEY-1
 - 4) CATCHMENT AREA OF SULTANPUR ROAD TRUNK SEWER LKD-CA-ST5



PLAN
SCALE- 1 : 1000



L-SECTION
SCALE- HOR. 1 : 1000, VER. 1 : 100

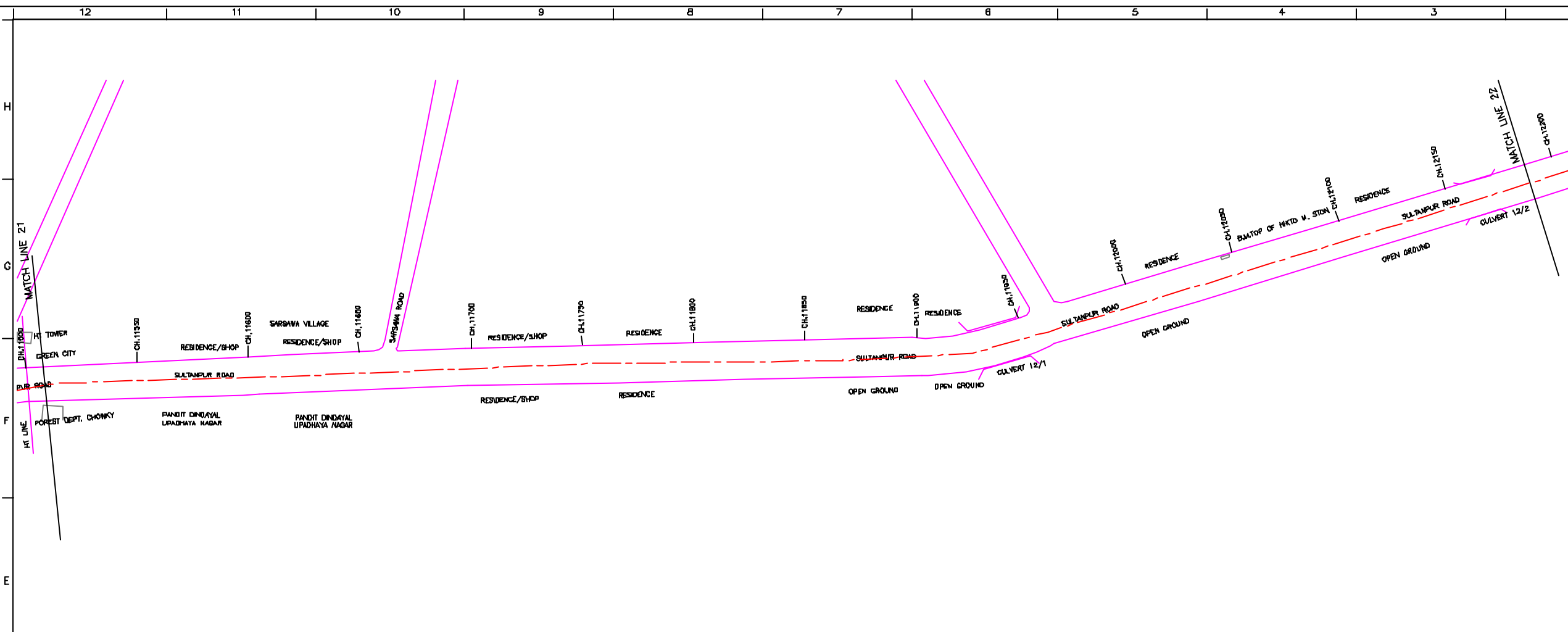
INST.				
EUEL.				
MECH.				
STRU.				
CIVIL				
REV. NO.	0	1	2	3

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

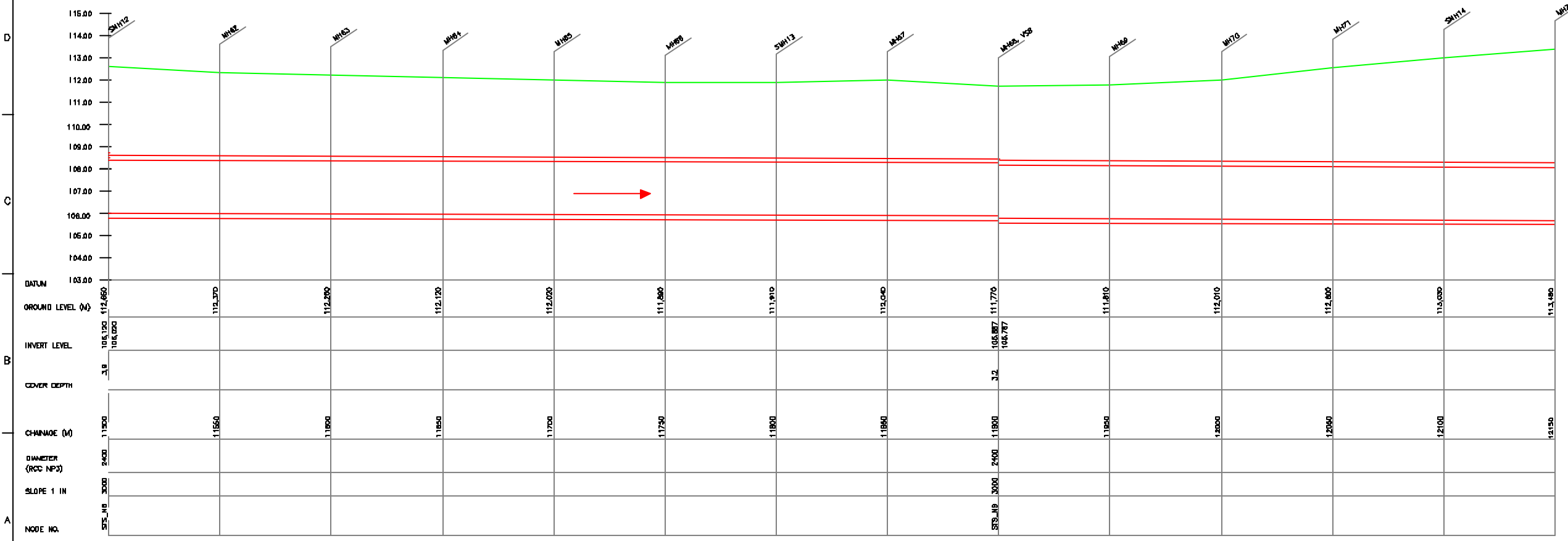
CHECKED BY: SAURABH NERGA
APPROVED BY: V.N.SANTHAK
DRAWN: H.S.PANAR
DESIGNED: N.D.JAGDEKAR
SURVEYED: VERMA
SCALE: AS SHOWN
DATE: 11-12-2004

JICA INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
TOKYO ENGINEERING CONSULTANTS CO., LTD.
CTI ENGINEERING INTERNATIONAL CO., LTD.
M/S M/S PRAJAPATI

PROJECT:
THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR LUCKNOW CITY
SHEET CONTENTS:
PLAN AND PROFILE OF SULTANPUR ROAD TRUNK SEWER (SHEET 6/13)



PLAN
SCALE- 1 : 1000



L-SECTION
SCALE- HDR. 1 : 1000, VER. 1 : 100

NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

TRENCHLESS	---
PROPOSED SEWER LINE	---
ROAD	---
RAILWAY LINE	|||||
BORE HOLE	○
ELECTRICAL POLE	⊥
PLOT BOUNDARY	---
BUILDING	□
TEMPLE	⊕
BRIDGE / CULVERT	⌒
ROAD DIVIDER	---
MOBILE	⊥
SPOT LEVEL	⊕
NALLA	---
TEMPORARY BENCH MARK	BM-117.700 N.
ORDINARY MANHOLE	MH
SCRAPER MANHOLE	SMH
VENT SHAFT	VS

- REFERENCE DRAWING :**
- 1) BASEMAP WITH SEWERAGE ZONES LKD-BASE MAP-1
 - 2) BASEMAP WITH WARD BOUNDARIES AND PROPOSED PRIORITY PROJECTS LKD-BASE MAP-2
 - 3) KEY PLAN LKD-KEY-1
 - 4) CATCHMENT AREA OF SULTANPUR ROAD TRUNK SEWER LKD-CA-ST5

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

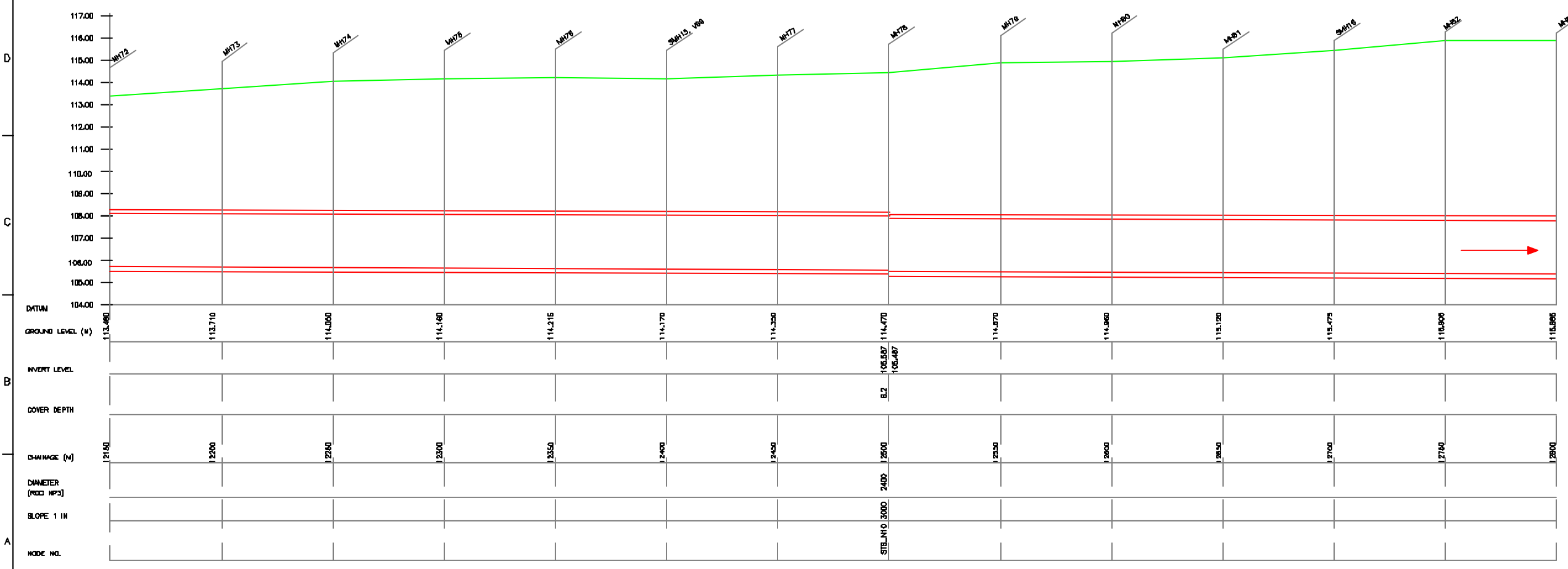
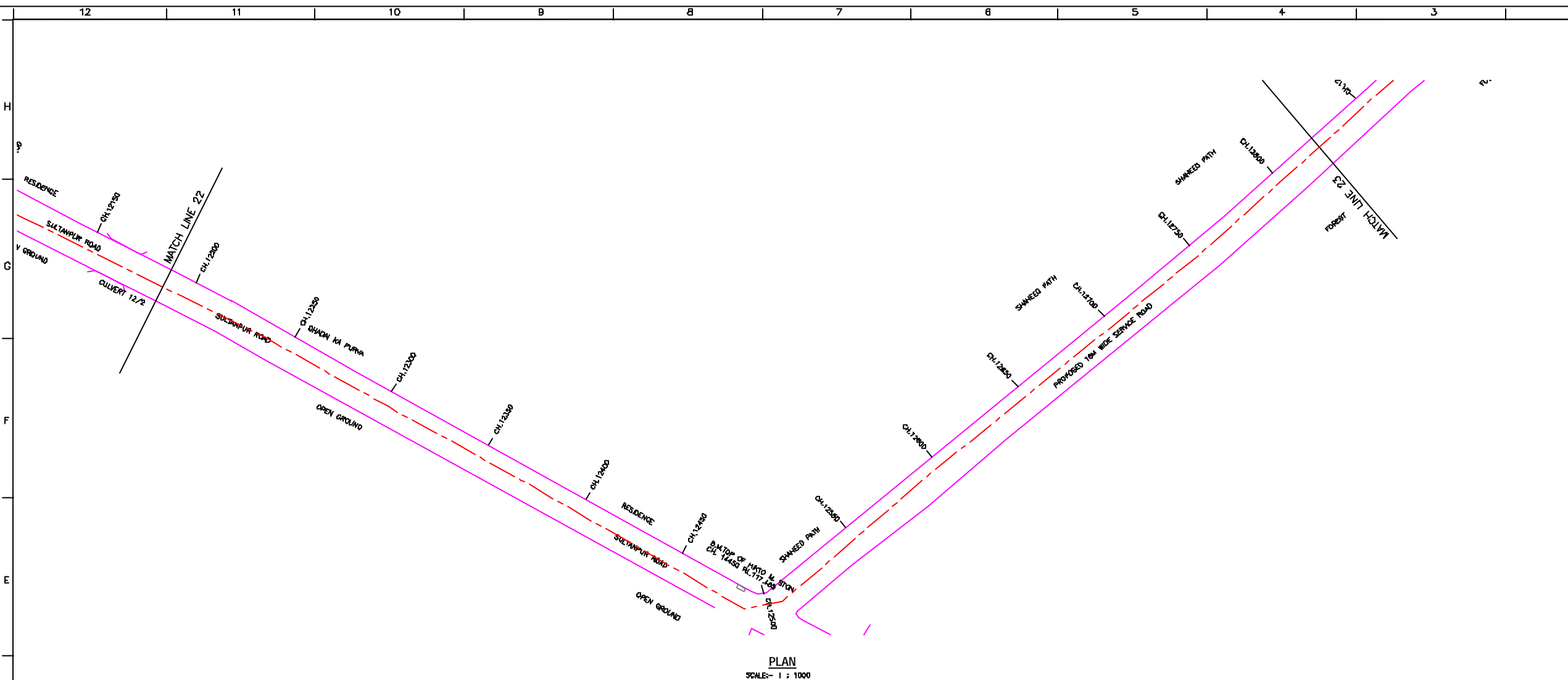
CHECKED BY:	SAURABH MISHRA	APPROVED BY:	V.N. SONTAKKE
DRAWN:	H.S. PANWAR	SCALE:	AS SHOWN
DESIGNED:	N.D. JAGYVKAR	DATE:	11-12-2004
SURVEYED:	VERMA		

JICA INTERNATIONAL COOPERATION AGENCY

CONSULTANTS:

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

SHEET CONTENTS:
 PLAN AND PROFILE OF SULTANPUR ROAD TRUNK SEWER (SHEET 7/13)



L-SECTION
SCALE - HOR. 1 : 1000, VER. 1 : 100

NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

TRENCHLESS	---
PROPOSED SEWER LINE	---
ROAD	---
RAILWAY LINE	|||||
BORE HOLE	○
ELECTRICAL POLE	⊥
PLOT BOUNDARY	---
BUILDING	▭
TEMPLE	⊕
BRIDGE / CULVERT	⌒
ROAD DIVIDER	---
MOBILE	⊞
SPOT LEVEL	⬆
NALLA	---
TEMPORARY BENCH MARK TBM-117.700 N.	⊕
ORDINARY MANHOLE	MH
SCRAPER MANHOLE	SMH
VENT SHAFT	VS

- REFERENCE DRAWING :**
- 1) BASEMAP WITH SEWERAGE ZONES LKD-BASE MAP-1
 - 2) BASEMAP WITH WARD BOUNDARIES AND PROPOSED PRIORITY PROJECTS LKD-BASE MAP-2
 - 3) KEY PLAN LKD-KEY-1
 - 4) DATCHMENT AREA OF SULTANPUR ROAD TRUNK SEWER LKD-CA-ST5

INST.					
EUEL.					
MECH.					
STRU.					
CIVIL					
REV. NO.	0	1	2	3	4
REV.					
DESCRIPTION OF REVISIONS					
DATE					
CHECKED					

CHECKED BY: SAURABH MISHRA
 APPROVED BY: V.N. SONTAKKE
 DRAWN: H.S. PANWAR
 DESIGNED: N.D. JAGDEKAR
 SURVEYED: VERMA
 SCALE: AS SHOWN
 DATE: 11-12-2024

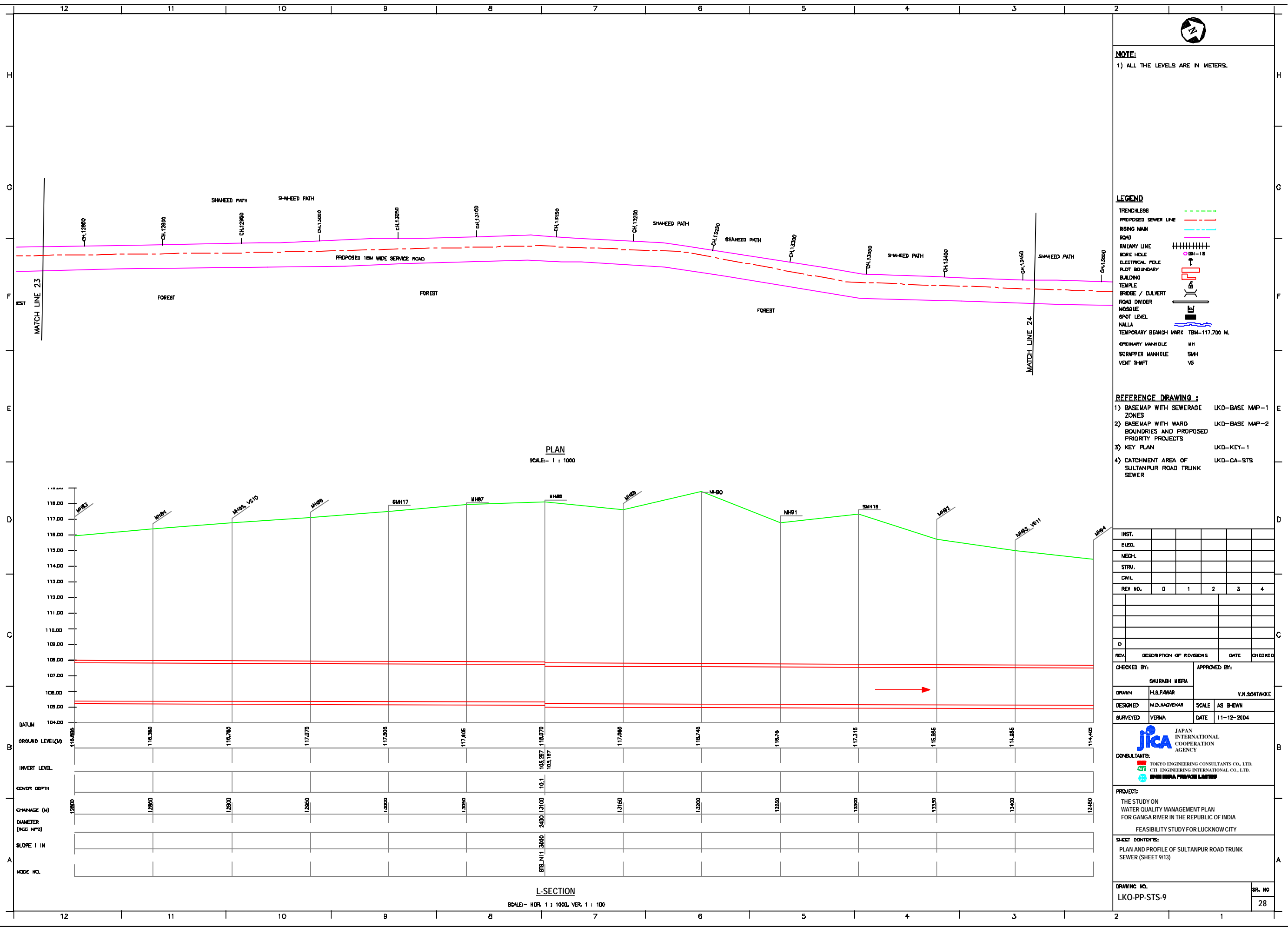
CONSULTANTS:

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

TOKYO ENGINEERING CONSULTANTS CO., LTD.
 C.T.I. ENGINEERING INTERNATIONAL CO., LTD.
 SHRI MISHRA PRAKASH LABHARI

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

SHEET CONTENTS:
 PLAN AND PROFILE OF SULTANPUR ROAD TRUNK SEWER (SHEET 8/13)



NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

TRENCHLESS	---
PROPOSED SEWER LINE	---
RISING MAIN	---
ROAD	---
RAILWAY LINE	|||||
BORE HOLE	○
ELECTRICAL POLE	⊥
PLOT BOUNDARY	---
BUILDING	▭
TEMPLE	⊕
BRIDGE / CULVERT	⌒
ROAD DIVIDER	---
MOBILE	⊥
SPOT LEVEL	■
NALLA	~
TEMPORARY BENCH MARK TBM-117.700 N.	⊕
ORDINARY MANHOLE	MH
SCRAPER MANHOLE	SMH
VENT SHAFT	VS

- REFERENCE DRAWING :**
- 1) BASEMAP WITH SEWERAGE ZONES LKD-BASE MAP-1
 - 2) BASEMAP WITH WARD BOUNDARIES AND PROPOSED PRIORITY PROJECTS LKD-BASE MAP-2
 - 3) KEY PLAN LKD-KEY-1
 - 4) DATCHMENT AREA OF SULTANPUR ROAD TRUNK SEWER LKD-CA-ST5

PLAN
SCALE- 1 : 1000

L-SECTION
SCALE- HOR. 1 : 1000, VER. 1 : 100

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV. NO.	0	1	2	3	4
REV.					
DESCRIPTION OF REVISIONS					
DATE					
CHECKED					

CHECKED BY: SAURABH MEERA
 APPROVED BY: V.N.SONTAKKE
 DRAWN: H.S.PANWAR
 DESIGNED: N.D.MAGDEKAR
 SURVEYED: VERMA
 SCALE: AS SHOWN
 DATE: 11-12-2024

CONSULTANTS:

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

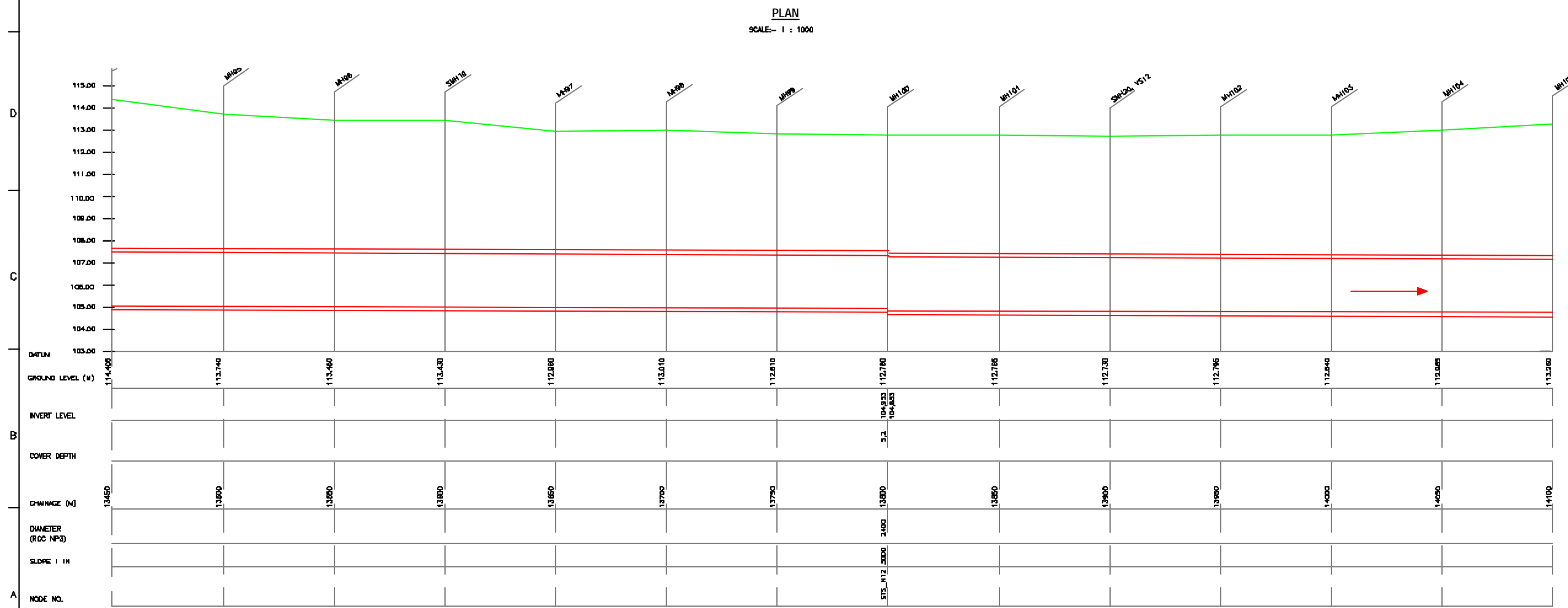
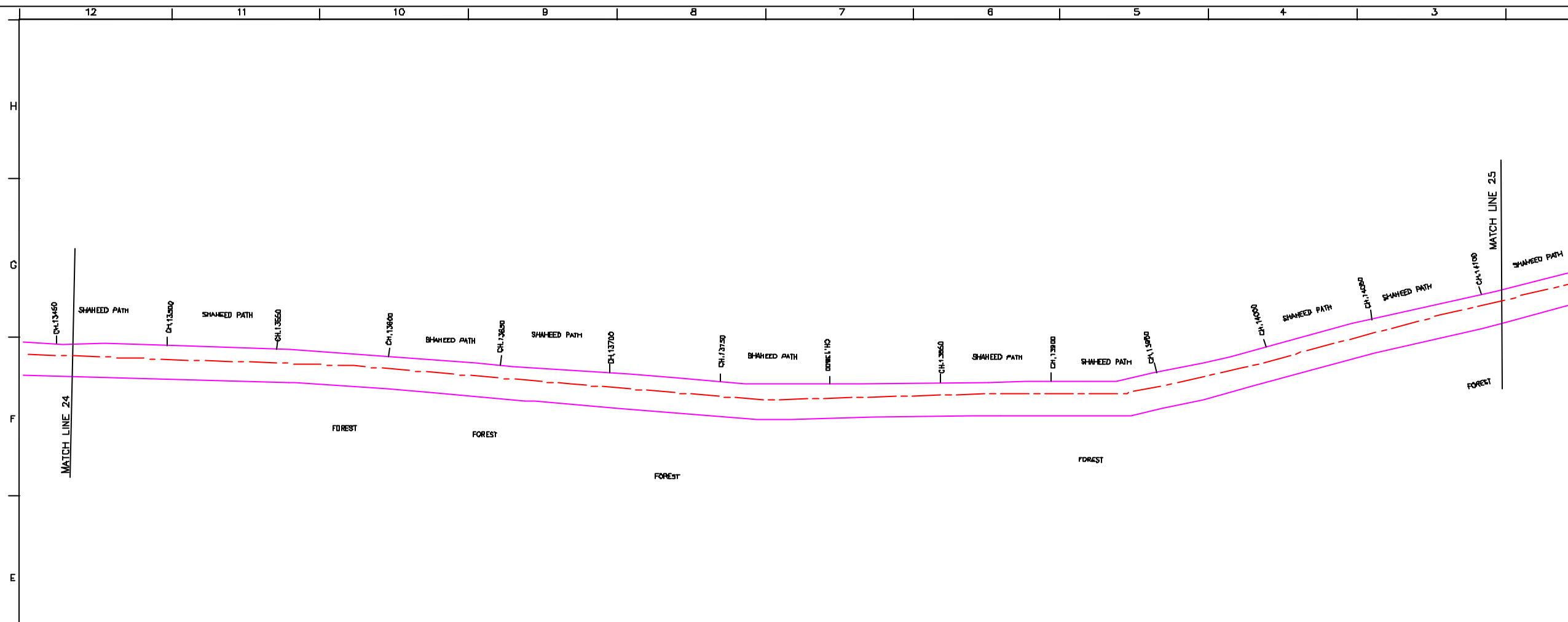
TOKYO ENGINEERING CONSULTANTS CO., LTD.
CTI ENGINEERING INTERNATIONAL CO., LTD.
SHRI MEERA PRAKASH LABH

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

SHEET CONTENTS:
PLAN AND PROFILE OF SULTANPUR ROAD TRUNK SEWER (SHEET 9/13)

DRAWING NO.
LKO-PP-ST5-9

SR. NO.
28



NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

TRENCHLESS	---
PROPOSED SEWER LINE	---
RISING MAIN	---
ROAD	---
RAILWAY LINE	---
BORE HOLE	---
ELECTRICAL POLE	---
PLOT BOUNDARY	---
BUILDING	---
TEMPLE	---
BRIDGE / CULVERT	---
ROAD DIVIDER	---
MOUSOLE	---
SPOT LEVEL	---
NALLA	---
TEMPORARY BEANCH MARK	TBM-117.700 N.
ORDINARY MANHOLE	MH
SCRAPPER MANHOLE	SMH
VENT SHAFT	VS

- REFERENCE DRAWING :**
- 1) BASEMAP WITH SEWERAGE ZONES LKD-BASE MAP-1
 - 2) BASEMAP WITH WARD BOUNDRIES AND PROPOSED PRIORITY PROJECTS LKD-BASE MAP-2
 - 3) KEY PLAN LKD-KEY-1
 - 4) CATCHMENT AREA OF SULTANPUR ROAD TRUNK SEWER LKD-CA-ST5

INST.					
EUEL.					
MECH.					
STRU.					
CIVL					
REV. NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY: SAURABH MISHRA	APPROVED BY: V.N.SANTHAK
DRAWN H.S.PANWAR	SCALE AS SHOWN
DESIGNED N.D.JAGDEKAR	DATE 11-12-2024

CONSULTANTS:

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

TOKYO ENGINEERING CONSULTANTS CO., LTD.
CTI ENGINEERING INTERNATIONAL CO., LTD.
M/S MISHRA PRAKASH LABS

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

SHEET CONTENTS:
PLAN AND PROFILE OF SULTANPUR ROAD TRUNK SEWER (SHEET 10/13)



NOTE:
1) ALL THE LEVELS ARE IN METERS.

- LEGEND**
- TRENCHLESS ---
 - PROPOSED SEWER LINE ---
 - RISEING MAIN ---
 - ROAD ---
 - RAILWAY LINE
 - BORE HOLE
 - ELECTRICAL POLE
 - PLOT BOUNDARY
 - BUILDING
 - TEMPLE
 - BRIDGE / CULVERT
 - ROAD DIVIDER
 - MOSSOLE
 - SPOT LEVEL
 - NALLA
 - TEMPORARY BEANCH MARK TBM-117.700 N.
 - ORDINARY MANHOLE MH
 - SCRAPPER MANHOLE SMH
 - VENT SHAFT VB

- REFERENCE DRAWING :**
- 1) BASEMAP WITH SEWERAGE ZONES LKD-BASE MAP-1
 - 2) BASEMAP WITH WARD BOUNDARIES AND PROPOSED PRIORITY PROJECTS LKD-BASE MAP-2
 - 3) KEY PLAN LKD-KEY-1
 - 4) CATCHMENT AREA OF RTS SULTANPUR ROAD TRUNK SEWER LKD-CA-ST5

INST.					
EUEL.					
MECH.					
STRU.					
CIVIL					
REV. NO.	0	1	2	3	4
REV.					
DESCRIPTION OF REVISIONS					
DATE					
CHECKED					

CHECKED BY: SAURABH MSRA
 APPROVED BY: V.N.SONTAKKE
 DRAWN: H.S.PANWAR
 DESIGNED: N.D.MAGDEKAR
 SURVEYED: VERMA
 SCALE: AS SHOWN
 DATE: 11-12-2004

CONSULTANTS:

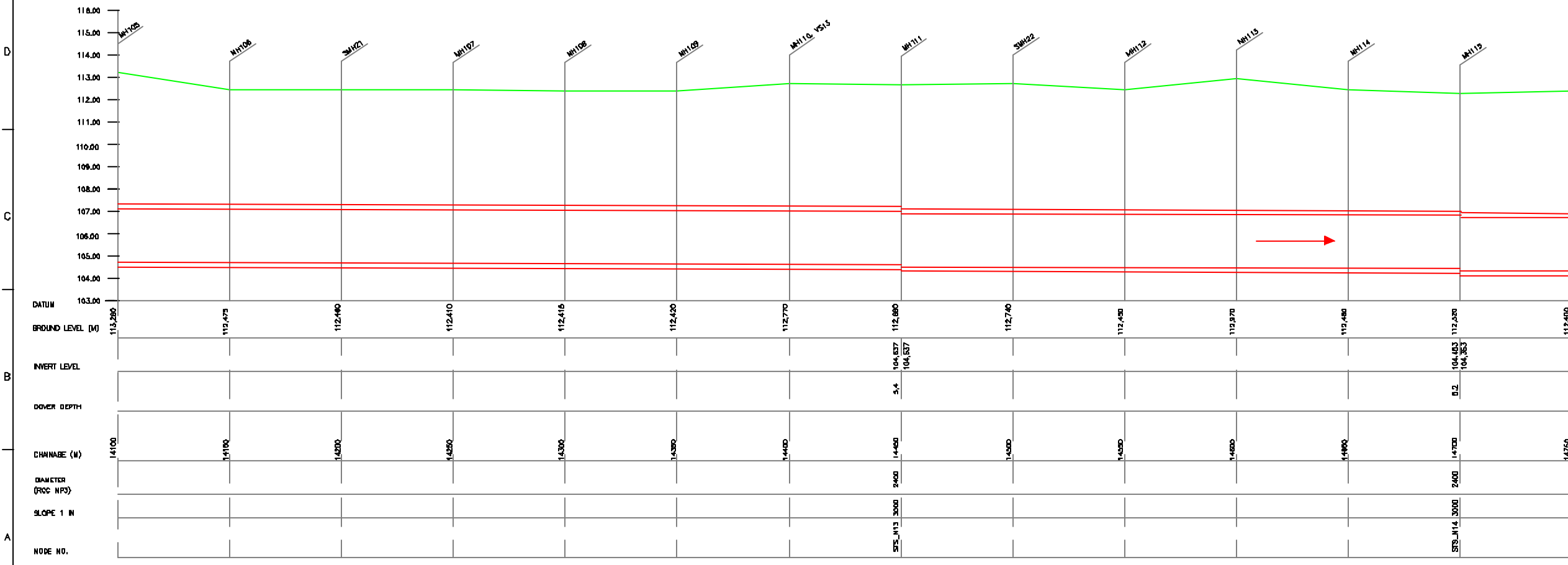
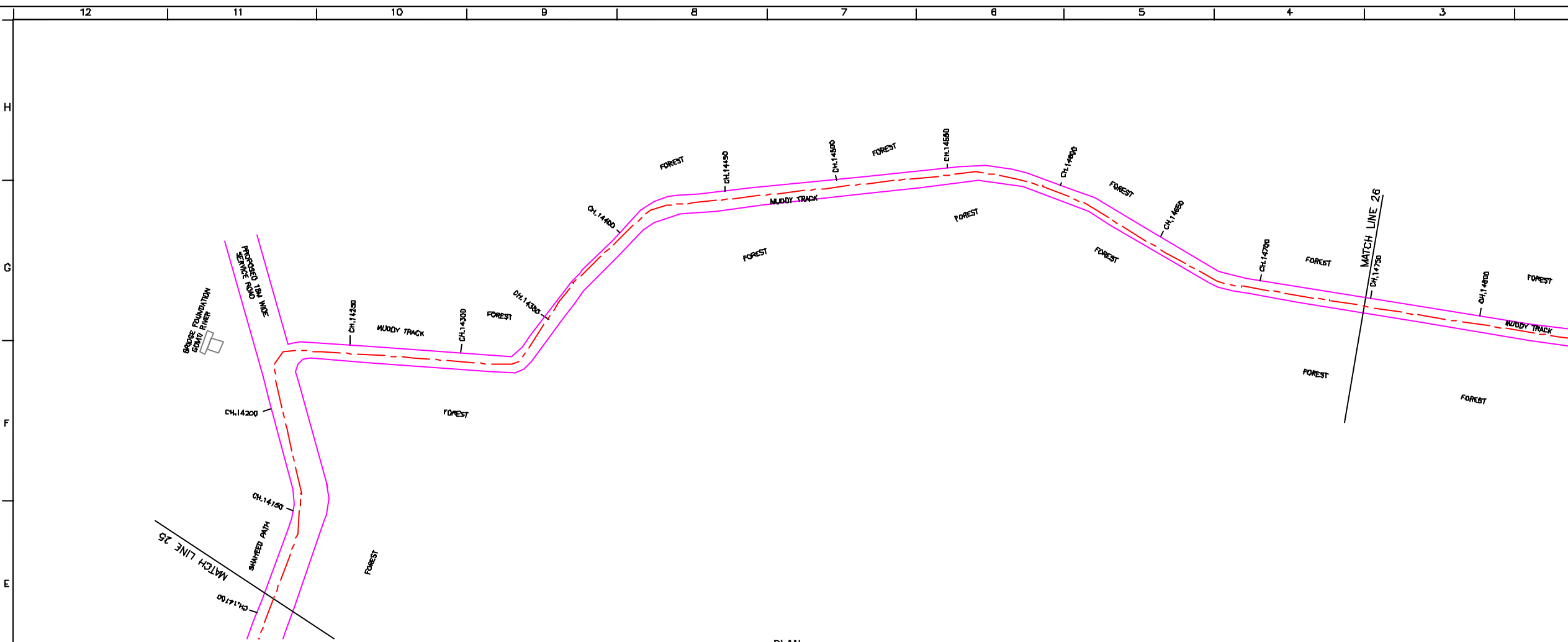
JICA JAPAN INTERNATIONAL COOPERATION AGENCY

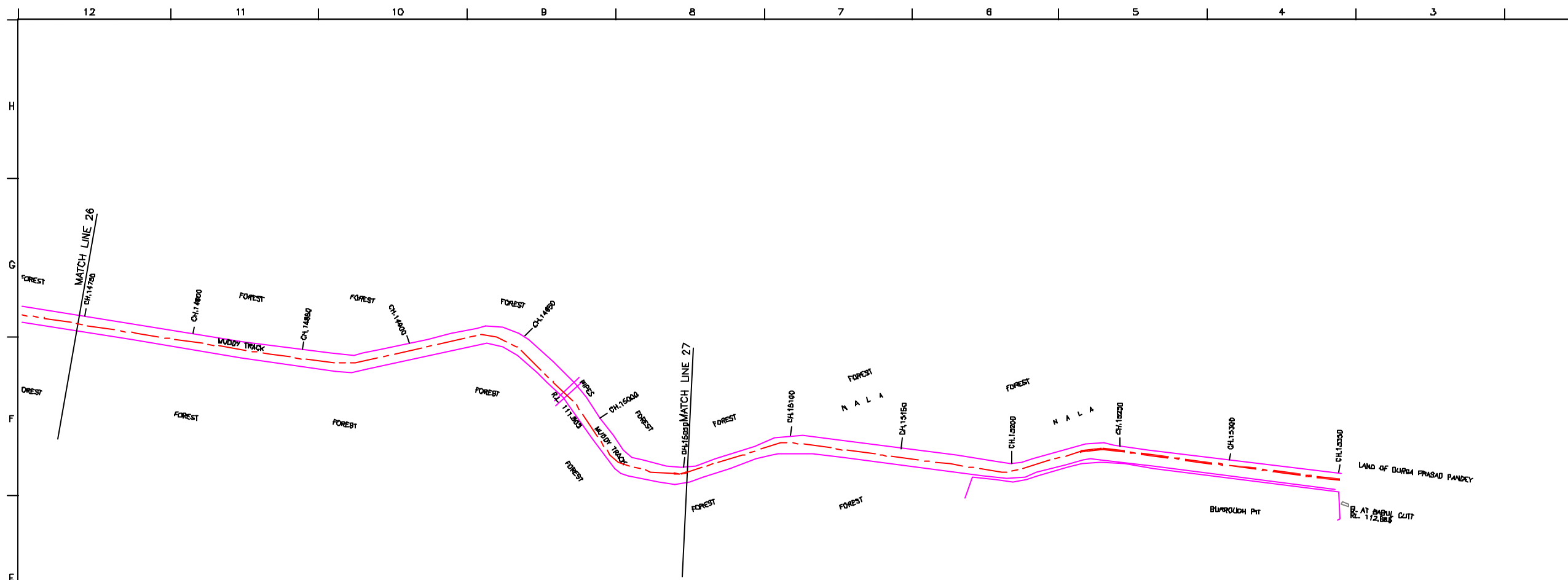
TOKYO ENGINEERING CONSULTANTS CO., LTD.
CTI ENGINEERING INTERNATIONAL CO., LTD.
SHRI SHRI PRAVAH LABS

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

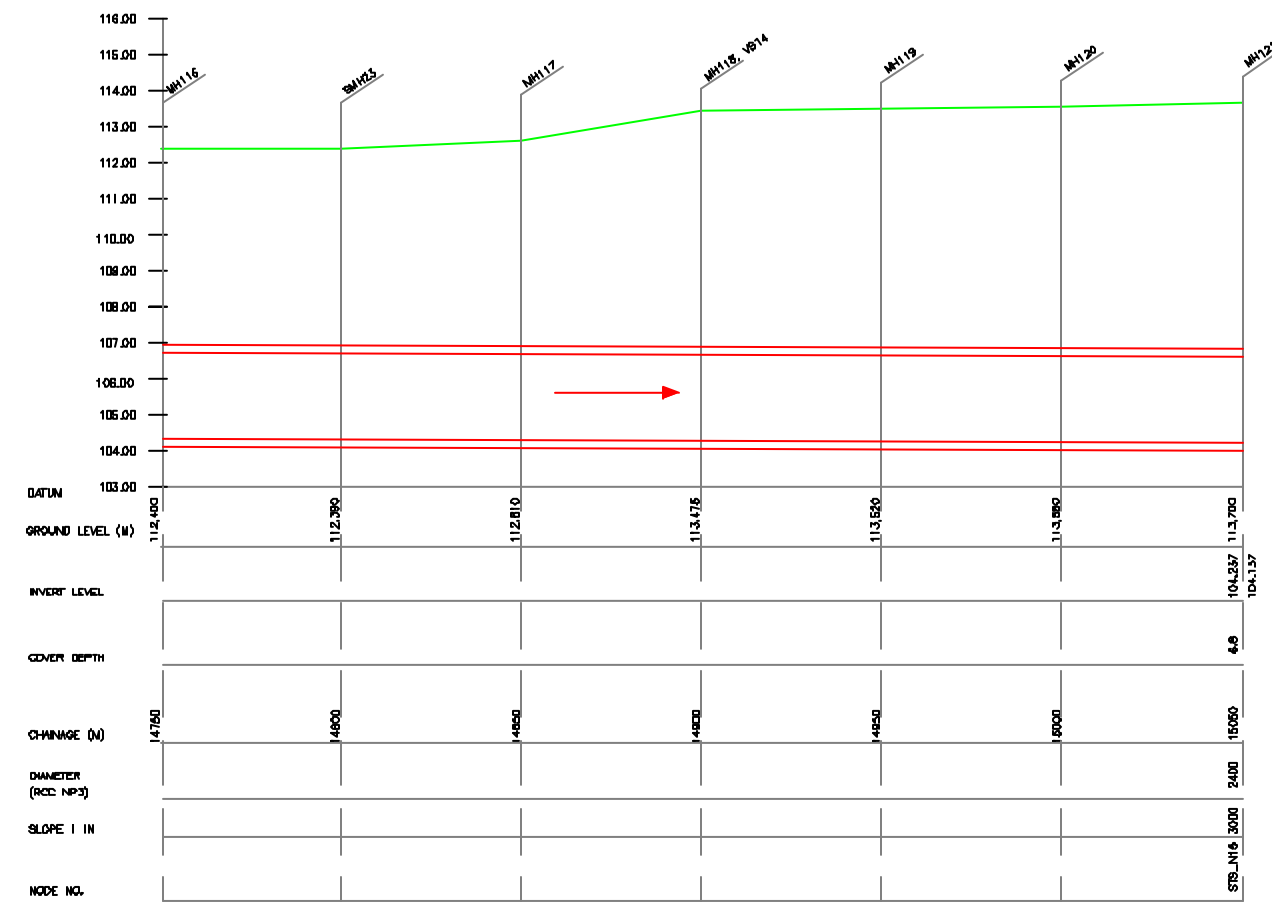
SHEET CONTENTS:
PLAN AND PROFILE OF SULTANPUR ROAD TRUNK SEWER (SHEET 11/13)

DRAWING NO. LKO-PP-ST5-11
SR. NO. 30





PLAN
SCALE - 1:1000



L-SECTION
SCALE - HORZ. 1:1000, VER. 1:100



NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

TRENCHLESS	---
PROPOSED SEWER LINE	---
EXISTING MAIN ROAD	---
RAILWAY LINE	|||||
BORE HOLE	○
ELECTRICAL POLE	⊥
PLOT BOUNDARY	---
BUILDING	▭
TEMPLE	⊕
BRIDGE / CULVERT	⌒
ROAD DIVIDER	---
MOBILE	⊕
SPOT LEVEL	•
NALLA	~
TEMPORARY BEANCH MARK	TBM-117.700 N.
ORDINARY MANHOLE	MH
SCRAPPER MANHOLE	SMH
VENT SHAFT	VS

- REFERENCE DRAWING :**
- 1) BASEMAP WITH SEWERAGE ZONES LKD-BASE MAP-1
 - 2) BASEMAP WITH WARD BOUNDARIES AND PROPOSED PRIORITY PROJECTS LKD-BASE MAP-2
 - 3) KEY PLAN LKD-KEY-1
 - 4) CATCHMENT AREA OF SULTANPUR ROAD TRUNK SEWER LKD-CA-ST5

INST.					
ELCD.					
MECH.					
STRU.					
CIVL					
REV. NO.	0	1	2	3	4
REV.					
DESCRIPTION OF REVISIONS					
DATE					
CHECKED					

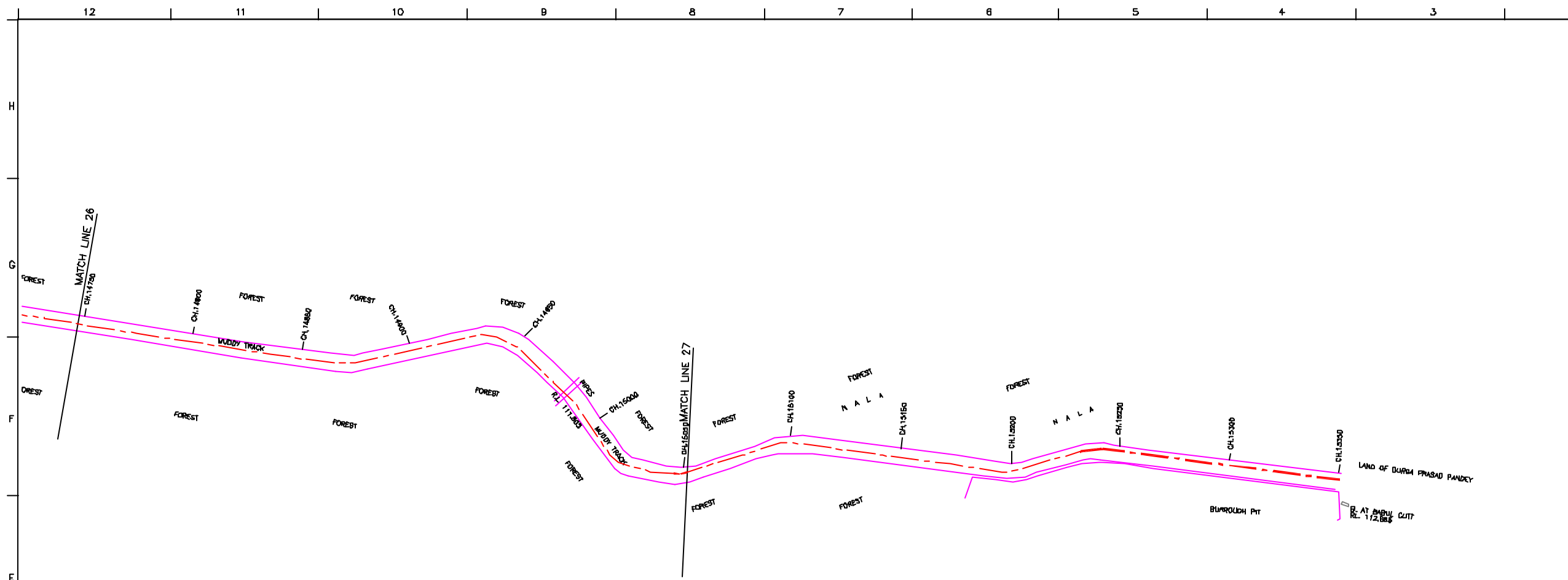
CHECKED BY: SAURABH MISHRA
 APPROVED BY: V.N. SONTAKKE
 DRAWN: H.S. PAMAR
 DESIGNED: M.D. NAGVEKAR
 SURVEYED: VERMA
 SCALE: AS SHOWN
 DATE: 11-12-2024



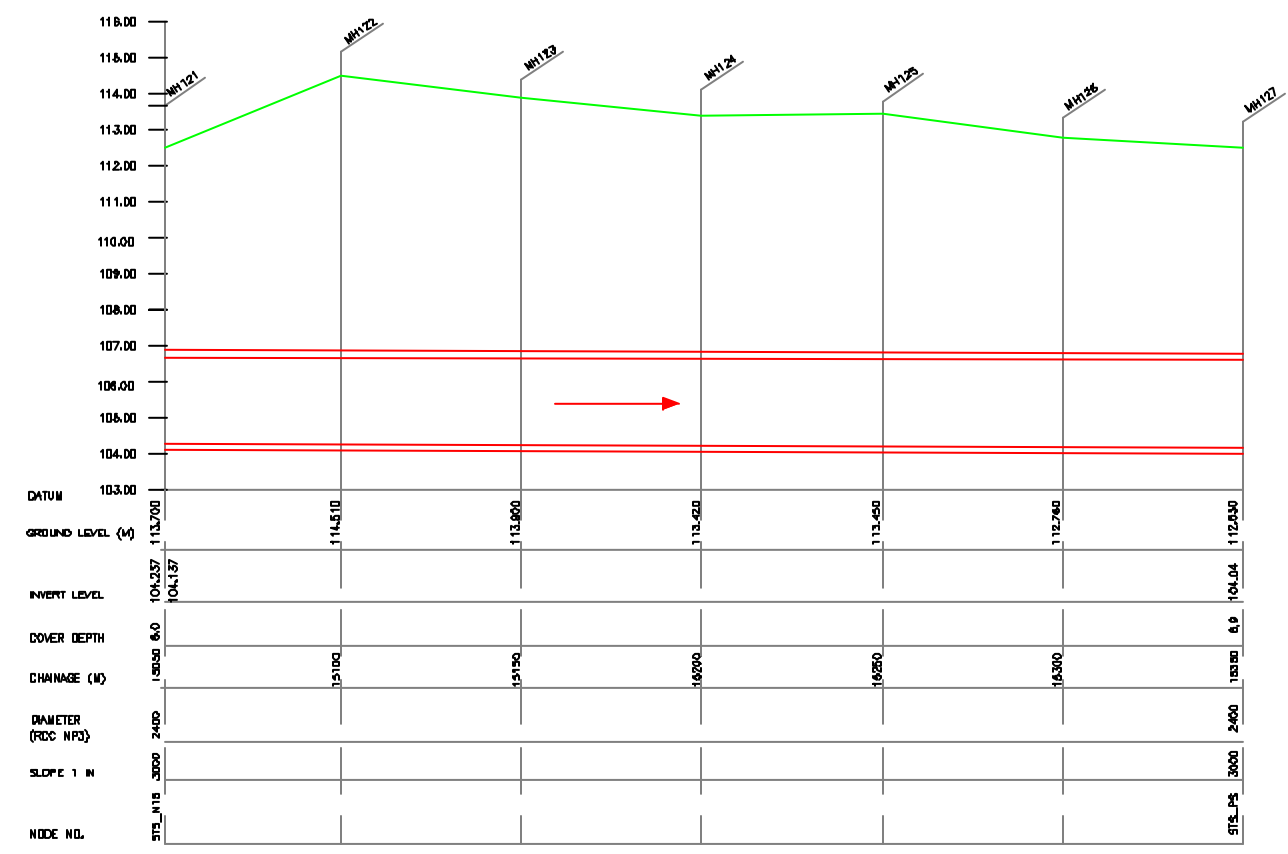
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR LUCKNOW CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF SULTANPUR ROAD TRUNK SEWER (SHEET NO. 12/13)

DRAWING NO. LKO-PP-ST5-12
 SR. NO. 31



PLAN
SCALE - 1:1000



L-SECTION
SCALE - HOR. 1:1000, VER. 1:100

NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

TRENCHLESS	---
PROPOSED SEWER LINE	---
RISING MAIN	---
ROAD	---
RAILWAY LINE	|||||
BORE HOLE	○
ELECTRICAL POLE	⊥
PLOT BOUNDARY	---
BUILDING	□
TEMPLE	⊕
BRIDGE / CULVERT	⌒
ROAD DIVIDER	---
MOSSILE	---
SPOT LEVEL	•
NALLA	~
TEMPORARY BEANCH MARK	TBM-117.700 N.
ORDINARY MANHOLE	MH
SCRAPPER MANHOLE	SMH
VENT SHALT	VS

- REFERENCE DRAWING :
- BASEMAP WITH SEWERAGE ZONES LKD-BASE MAP-1
 - BASEMAP WITH WARD BOUNDARIES AND PROPOSED PRIORITY PROJECTS LKD-BASE MAP-2
 - KEY PLAN LKD-KEY-1
 - CATCHMENT AREA OF SULTANPUR ROAD TRUNK SEWER LKD-CA-S13

INST.					
ELSD.					
MECH.					
STRU.					
CIVL.					
REV. NO.	0	1	2	3	4

CHECKED BY:	SAURABH MISHRA	APPROVED BY:	V.N. SONTAKKE
DRAWN:	H.S. PAMAR	SCALE:	AS SHOWN
DESIGNED:	M.D. NAGVEKAR	DATE:	11-12-2024

CONSULTANTS:

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SURESH MISHRA PRAKASHI LIMITED

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

SHEET CONTENTS:
PLAN AND PROFILE OF SULTANPUR ROAD TRUNK SEWER (SHEET NO. 13/13)

12 11 10 9 8 7 6 5 4 3 2 1



NODE	PIPE	
	SIZE (mm)	LENGTH (mm)
CGTS1 - CGTS4	1850	869.50
CGTS14 - CGTS17	1400	378.00
CGTS17 - CGTS22	1500	709.50
CGTS22 - CGTS26	1650	922.50
CGTS26 - CGTS30	1800	1158.50
CGTS30 - CGTS32	1950	266.50
CGTS32 - CGTS34	2100	896.50
CGTS34 - CGTS35	2100	736.00
CGTS35 - CGTS41	2100	988.00

NOTES:-

LEGEND:-

- RISING MAIN
- SEWER EXISTING
- CATCHMENT BOUNDARY
- SUB CATCHMENT BOUNDARY
- WARD BOUNDARY
- WARD NOS.
- PUMPING STATION
- FBAT 21
- CGTS_N1
- PROPOSED STP
- FUTURE SERVICE AREA
- NODE NUMBER
- PROPOSED STP

REFERENCE DRG.NOS:-

- 1.BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1
- 2.BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS LKO-BASE MAP-2
- 3.KEY PLAN-1 LKO-BASE MAP-1

INST.						
ELEC.						
MECH.						
STRU.						
CIVL.						
REV. NO.	0	1	2	3	4	
XX	XXX				XXX	
XX	XXX				XXX	
XX	XXX				XXX	
XX	XXX				XXX	
XX	XXX				XXX	
REV.	DESCRIPTION OF REVISIONS				DATE	CHECKED

CHECKED BY:	APPROVED BY:
BAIJABH MSRA	
DRAWN	FERUMAO
DESIGNED	M.D.NAGVEKAR
BURVEYED	VERNA
SCALE	10000
DATE	24/12/04

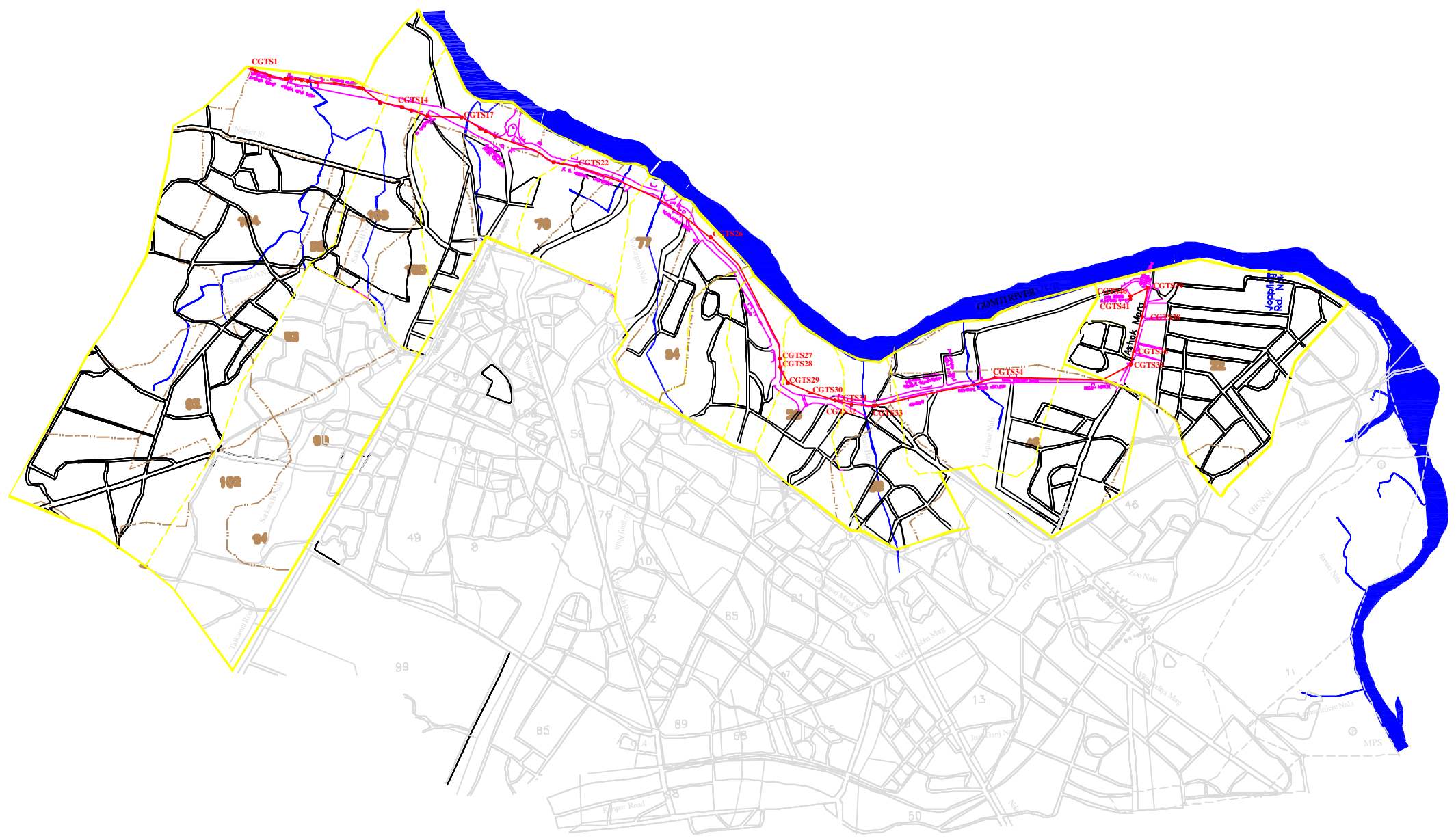
JICA
JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS:
 SPP&P ENGINEERING CONSULTANTS PVT. LTD.
 CITI ENGINEERING INTERNATIONAL CO., LTD.
 MSRA PRIVATE LIMITED

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

SHEET CONTENTS:
 CATCHMENT AREA OF EXISTING CIS GOMTI TRUNK SEWER

DRAWING NO. LKO-CA-CGTS
 SR. NO. 33



12 11 10 9 8 7 6 5 4 3 2 1

NOTE:
1) ALL THE LEGENDS ARE IN METERS

- LEGEND**
- CONDUIT (RUSTIC PIPE)
 - CONDUIT (GLASS FIBRE REINFORCED PLASTIC)
 - CONDUIT (PVC)
 - CONDUIT (HDPE)
 - CONDUIT (PP)
 - CONDUIT (PE)
 - CONDUIT (PB)
 - CONDUIT (PC)
 - CONDUIT (PM)
 - CONDUIT (PL)
 - CONDUIT (PP)
 - CONDUIT (PE)
 - CONDUIT (PB)
 - CONDUIT (PC)
 - CONDUIT (PM)
 - CONDUIT (PL)
 - CONDUIT (PP)
 - CONDUIT (PE)
 - CONDUIT (PB)
 - CONDUIT (PC)
 - CONDUIT (PM)
 - CONDUIT (PL)

REFERENCE DRAWINGS

- 1) IFC-2018-10-1
- 2) IFC-2018-10-1
- 3) IFC-2018-10-1
- 4) IFC-2018-10-1
- 5) IFC-2018-10-1

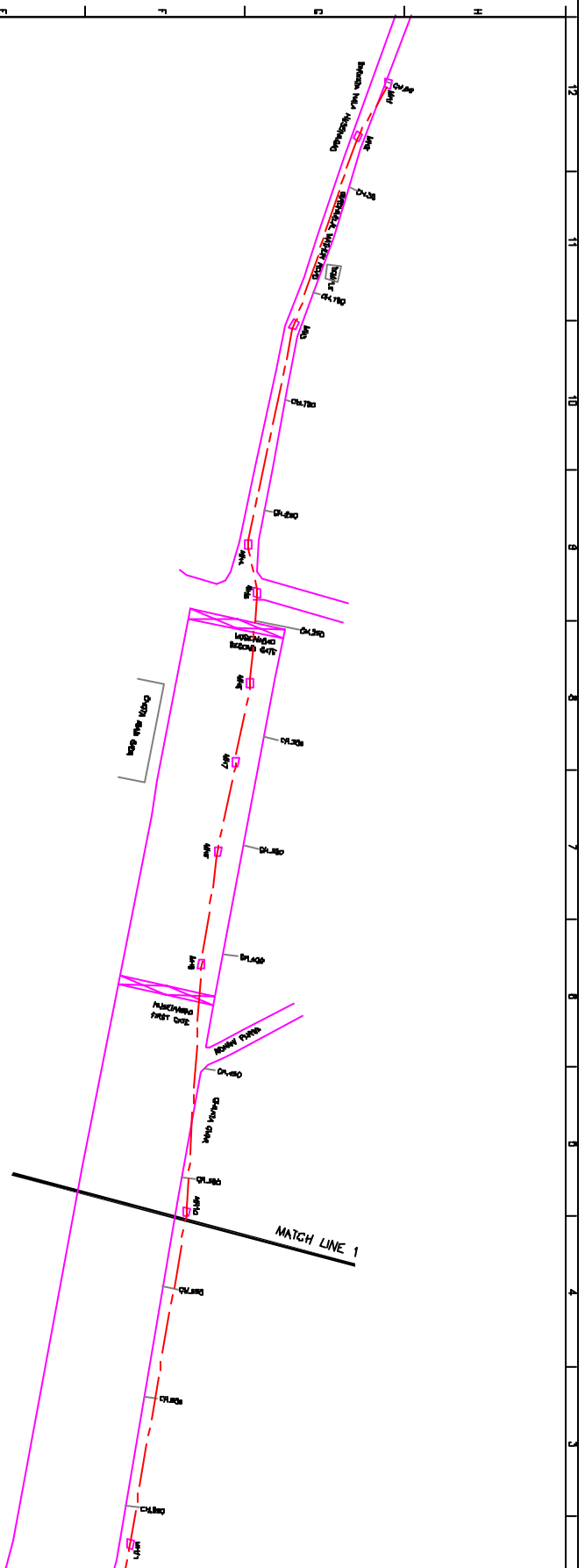
NO.	DATE	DESCRIPTION	BY	CHECKED BY
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2	11/11/2023	ISSUED FOR TENDER
3	11/11/2023	ISSUED FOR TENDER
4	11/11/2023	ISSUED FOR TENDER
5	11/11/2023	ISSUED FOR TENDER	...	...

NO.	DATE	DESCRIPTION	BY	CHECKED BY
1	11/11/2023	ISSUED FOR TENDER	...	...
2	11/11/2023	ISSUED FOR TENDER	...	...
3	11/11/2023	ISSUED FOR TENDER	...	...
4	11/11/2023	ISSUED FOR TENDER	...	...
5	11/11/2023	ISSUED FOR TENDER	...	...

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

CLIENT
WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR LUCKNOW CITY

PROJECT NO.
LKOPP-CQTS-1

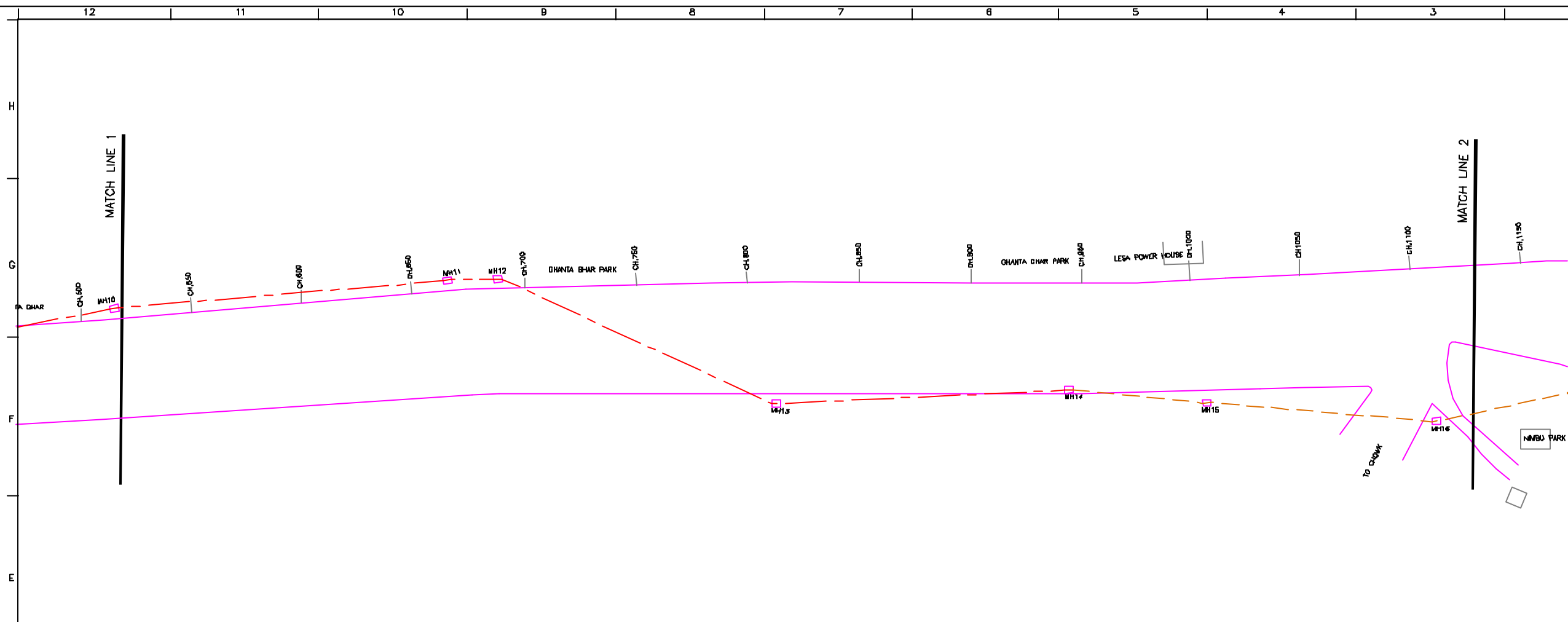


PLAN
SCALE: 1:1000

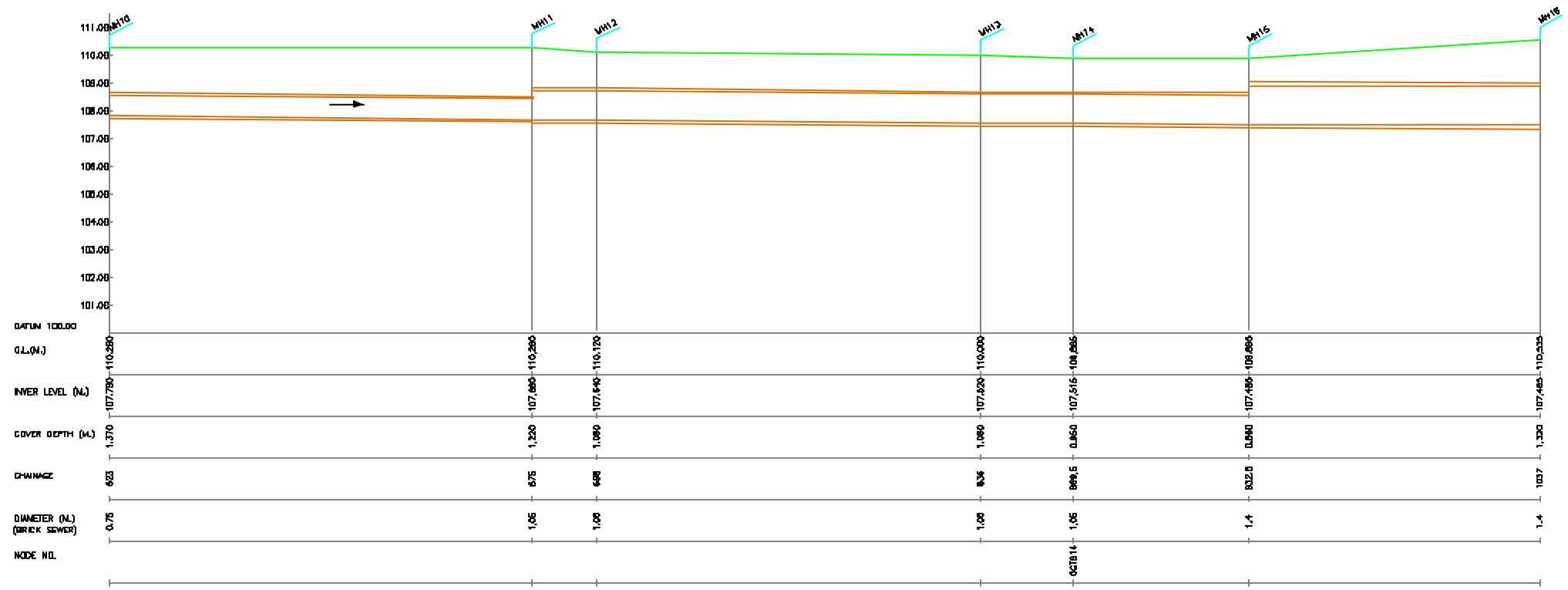
L-SECTION
SCALE: 1:1000

NO.	DATE	DESCRIPTION	BY	CHECKED BY
1	11/11/2023	ISSUED FOR TENDER	...	...
2	11/11/2023	ISSUED FOR TENDER	...	...
3	11/11/2023	ISSUED FOR TENDER	...	...
4	11/11/2023	ISSUED FOR TENDER	...	...
5	11/11/2023	ISSUED FOR TENDER	...	...

PROJECT NO.
LKOPP-CQTS-1



PLAN
SCALE: 1 : 1000



L-SECTION
SCALE: HORZ. 1 : 1000, VER. 1 : 100

NOTE:
1) ALL THE LEVELS ARE IN METERS.

- LEGEND
- COMPLETE REHABILITATION OF EXISTING SEWER LINE
 - PART REHABILITATION OF EXISTING SEWER LINE
 - ROAD
 - RAILWAY LINE
 - BORE HOLE
 - ELECTRICAL POLE
 - PLOT BOUNDARY
 - BUILDING
 - TEMPLE
 - BRIDGE / CULVERT
 - ROAD DIVIDER
 - MOBILE
 - SPOT LEVEL
 - NALLA
 - TEMPORARY BENCH MARK TBM-117.700 N.
 - ORDINARY MH

- REFERENCE DRAWING :
- 1) BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES LKO-BASE MAP-2
 - 3) KEY PLAN LKO-KEY-1
 - 4) CATCHMENT AREA OF EXISTING CIS GOMTI TRUNK SEWER LKO-CA-CGTB

INST.					
ELEC.					
MECH.					
STRU.					
CIVIL					
REV. NO.	0	1	2	3	4
REV.					
DESCRIPTION OF REVISIONS					
DATE					
CHECKED					

CHECKED BY:	APPROVED BY:
SAURABH NEERA	V.N.SONTAKKE
DRAWN: R.D.PARAB	SCALE: AS SHOWN
DESIGNED: M.D.JAAYEKAR	DATE: 11-12-2004
SURVEYED: VERMA	

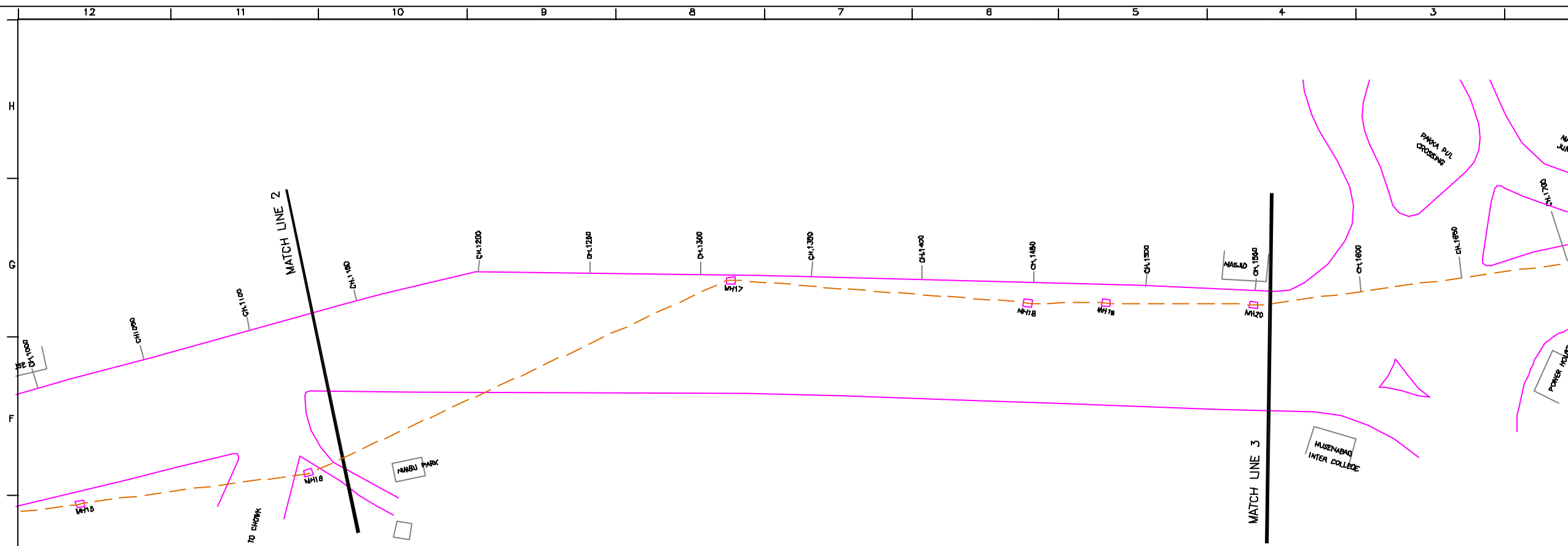
CONSULTANTS:

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

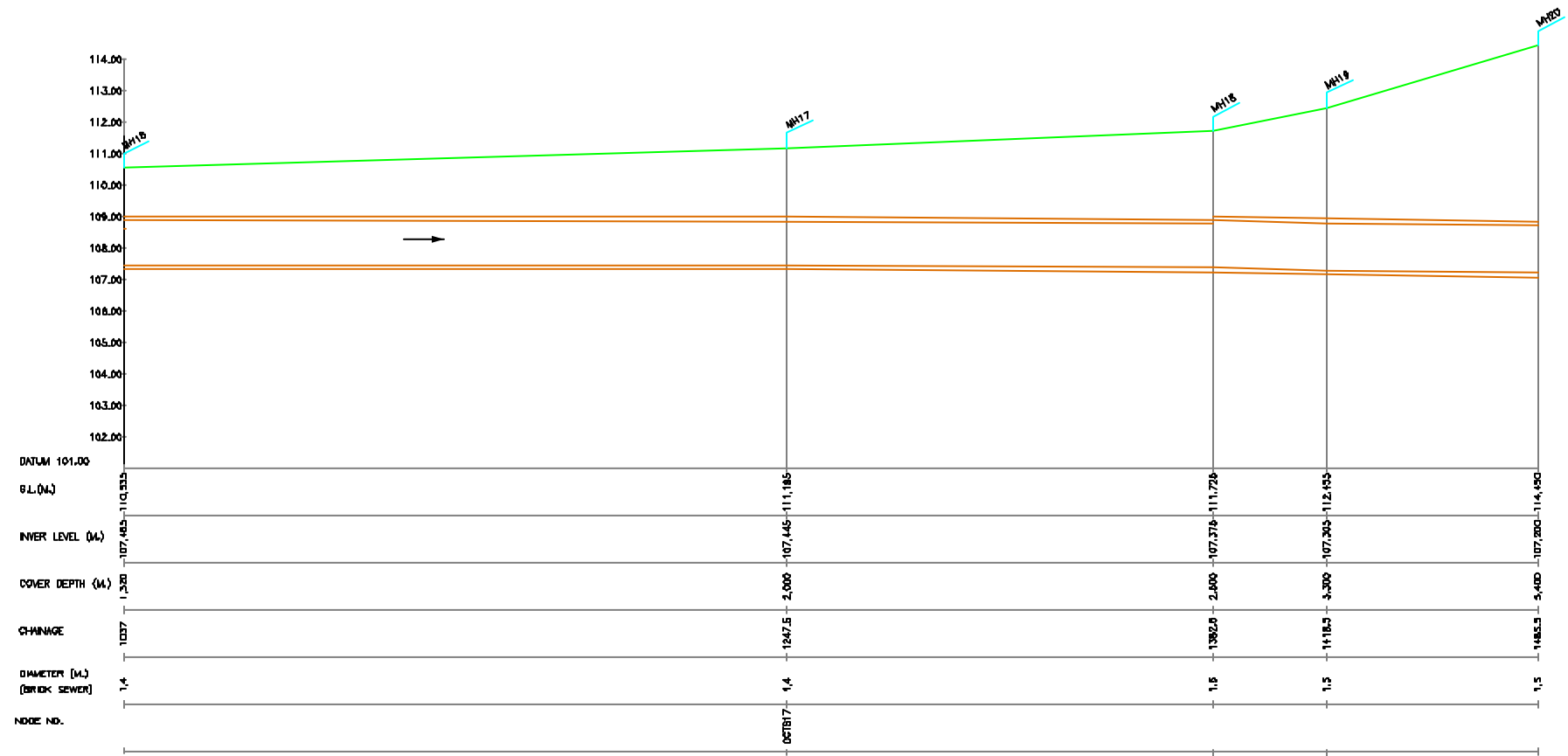
TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SURESH VERMA PRIVATE LIMITED

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

SHEET CONTENTS:
PLAN AND PROFILE OF CIS GOMTI TRUNK SEWER (SHEET NO.2/12)



PLAN
SCALE: 1 : 1000



L-SECTION
SCALE: HORZ. 1 : 1000, VER. 1 : 100

NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

COMPLETE REHABILITATION OF EXISTING SEWER LINE	---
PART REHABILITATION OF EXISTING SEWER LINE	- - - -
ROAD	|||||
RAILWAY LINE	|||||
BORE HOLE	○
ELECTRICAL POLE	⊥
PLOT BOUNDARY	□
BUILDING	▭
TEMPLE	⊕
BRIDGE / CULVERT	⌒
ROAD DIVIDER	⌒
MOBILE	⊥
SPOT LEVEL	⊕
NALLA	~
TEMPORARY BEANCH MARK	TBM-117.700 N.
ORDINARY MH	MH

- REFERENCE DRAWING :**
- 1) BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES LKO-BASE MAP-2 & PROPOSED PRIORITY PROJECTS
 - 3) KEY PLAN LKO-KEY-1
 - 4) CATCHMENT AREA OF EXISTING CIS GOMTI TRUNK SEWER LKO-CA-C019

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

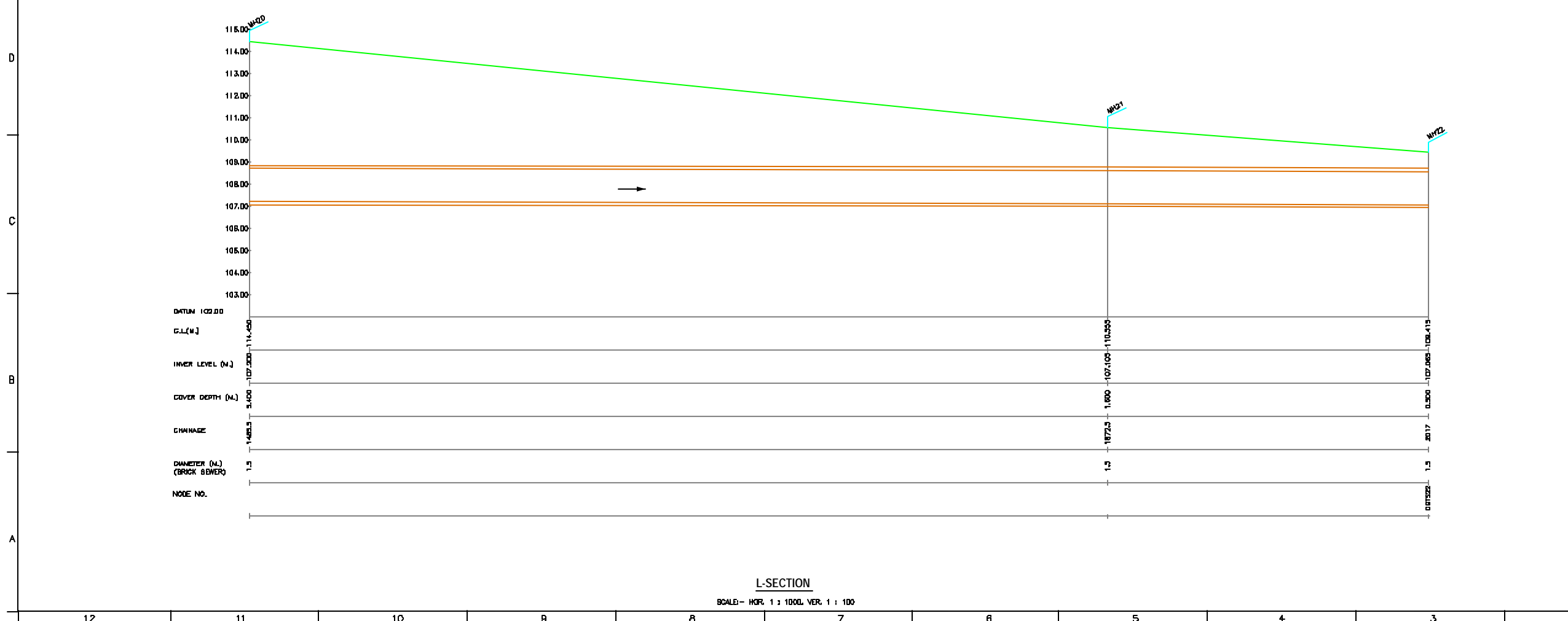
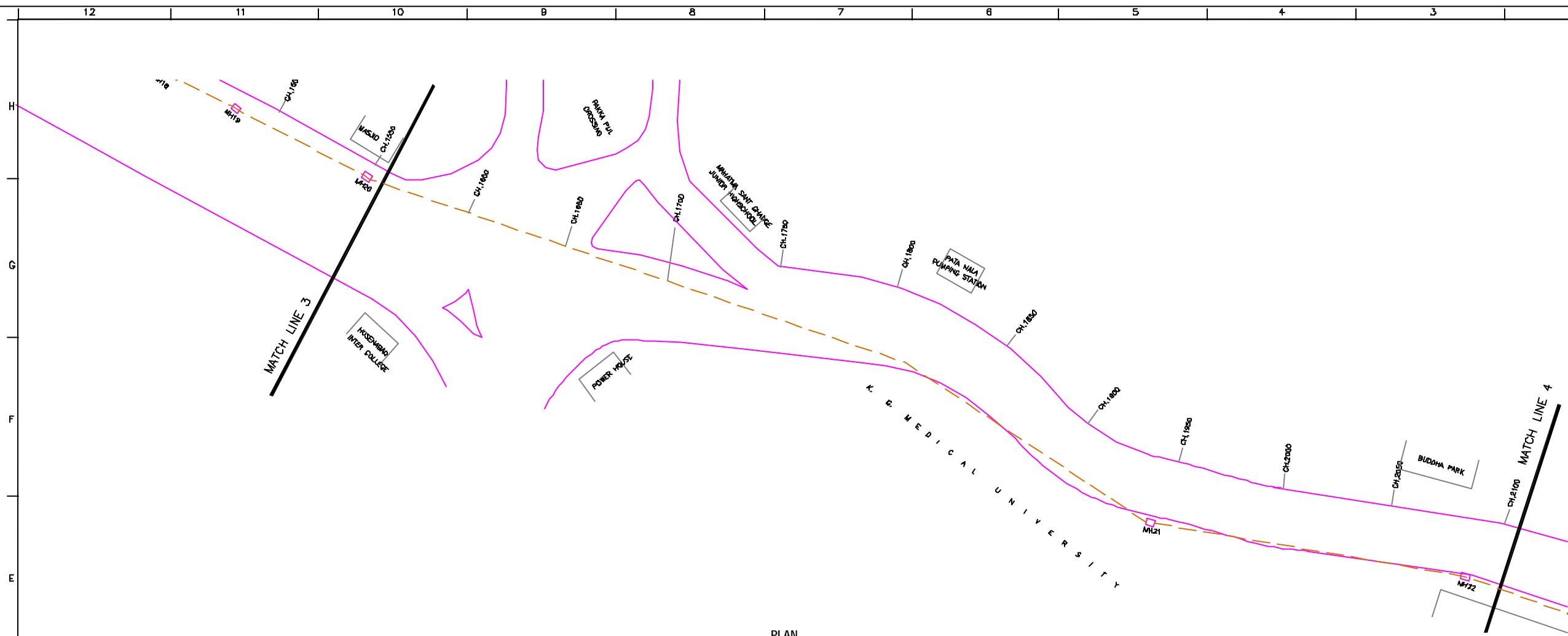
REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY:	APPROVED BY:
BAURABH MISRA	V.N.SCHTAKKE
DRAWN: R.D.PARAB	SCALE: AS SHOWN
DESIGNED: N.D.JAAYEKAR	DATE: 11-12-2004
SURVEYED: VERMA	

JICA INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SURESH VERMA PRIVATE LIMITED

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

SHEET CONTENTS:
 PLAN AND PROFILE OF CIS GOMTI TRUNK SEWER (SHEET NO.3/12)



NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

COMPLETE REHABILITATION OF EXISTING SEWER LINE	---
PART REHABILITATION OF EXISTING SEWER LINE	- - - -
ROAD	|||||
RAILWAY LINE	|||||
BORE HOLE	○
ELECTRICAL POLE	⊥
PLOT BOUNDARY	---
BUILDING	▭
TEMPLE	⊕
BRIDGE / CULVERT	⌒
ROAD DIVIDER	⊥
MOBILE	⊥
SPOT LEVEL	△
NALLA	~
TEMPORARY BEANCH MARK	TBM-117.700 N.
ORDINARY MH	MH

- REFERENCE DRAWING :**
- | | |
|---|----------------|
| 1) BASE MAP WITH SEWERAGE ZONES | LKO-BASE MAP-1 |
| 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS | LKO-BASE MAP-2 |
| 3) KEY PLAN | LKO-KEY-1 |
| 4) CATCHMENT AREA OF EXISTING CIS GOMTI TRUNK SEWER | LKO-CA-CGIS |

INST.					
ELEC.					
MECH.					
STRA.					
CIVL.					
REV. NO.	0	1	2	3	4
REV.					
DESCRIPTION OF REVISIONS					
DATE					
CHECKED					

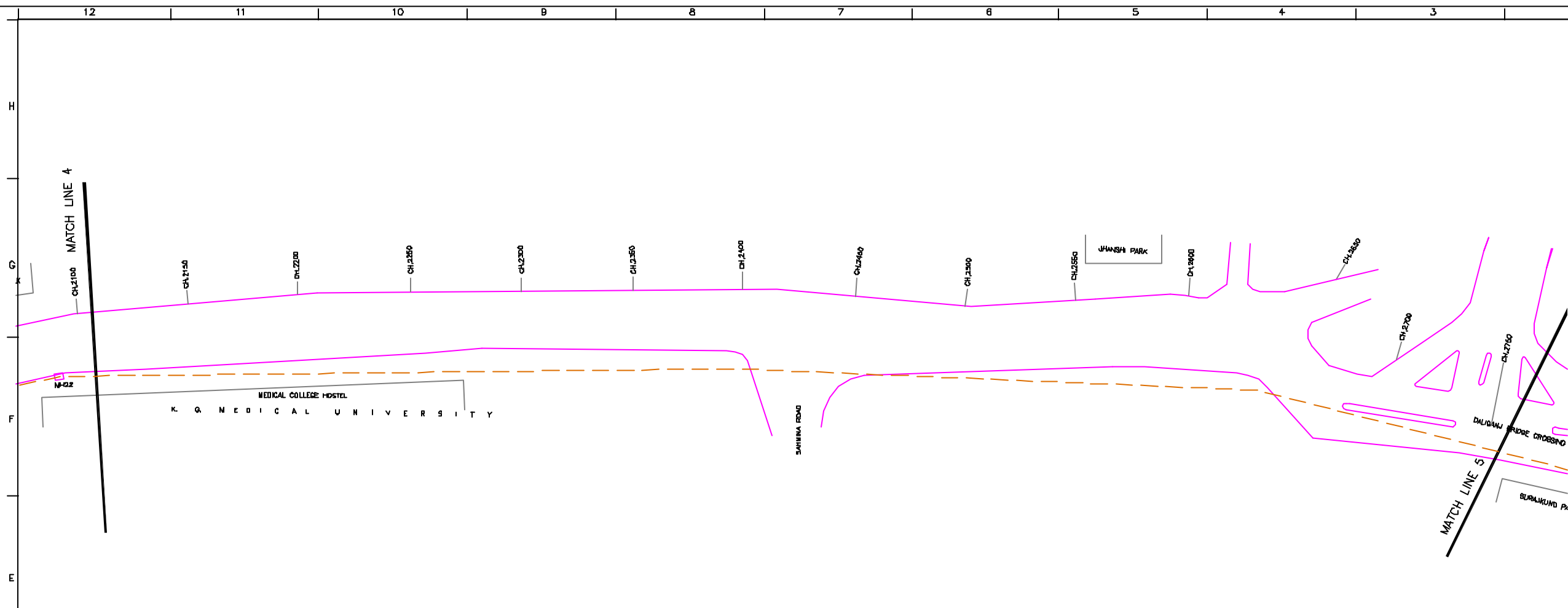
CHECKED BY:	SAURABH MISRA	APPROVED BY:	V.N.SCHTAKKE
DRAWN	R.D.PARAB	SCALE	AS SHOWN
DESIGNED	M.D.NAGYDKAR	DATE	11-12-2004
SURVEYED	VERMA		

JICA INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SURESH VERMA PRIVATE LIMITED

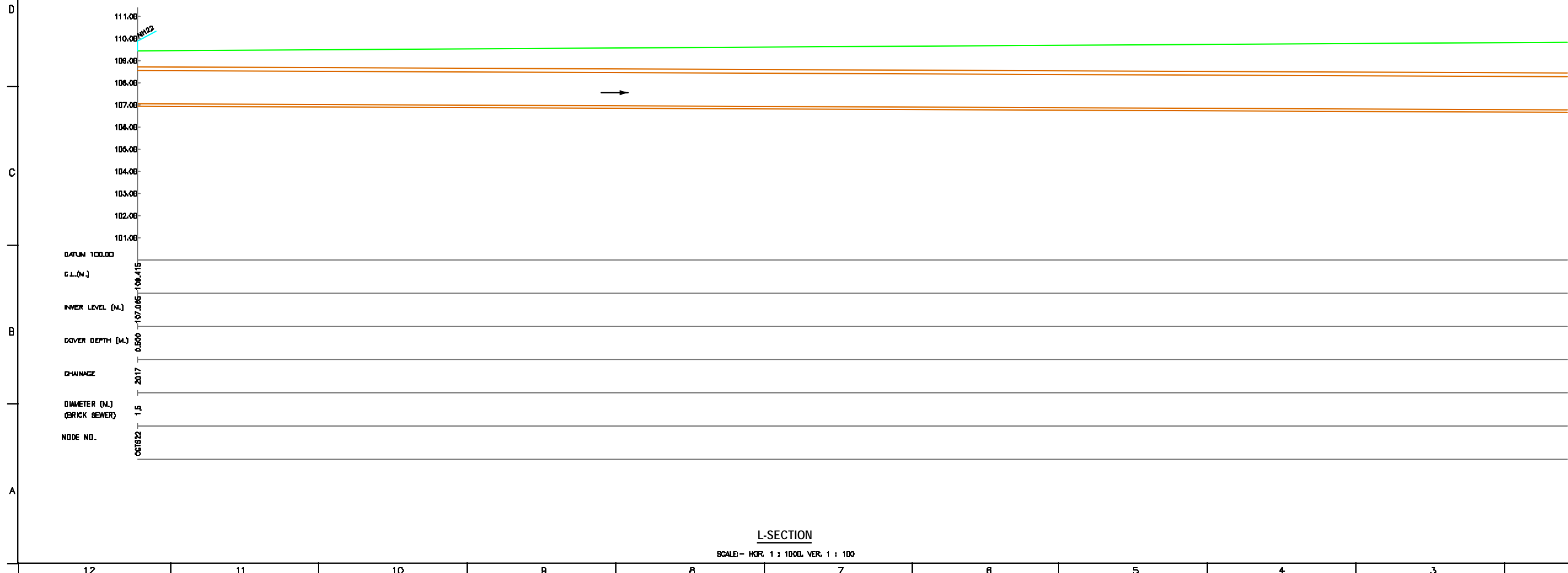
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR LUCKNOW CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF CIS GOMTI TRUNK SEWER (SHEET NO.4/2)

DRAWING NO.	LUK-PP-CGTS-4	SHEET NO.	37
-------------	---------------	-----------	----



PLAN
SCALE:- 1 : 1000



L-SECTION
SCALE:- HORZ. 1 : 1000, VER. 1 : 100

NOTE:
1) ALL THE LEVELS ARE IN METERS.

- LEGEND**
- COMPLETE REHABILITATION OF EXISTING SEWER LINE
 - PART REHABILITATION OF EXISTING SEWER LINE
 - ROAD
 - RAILWAY LINE
 - BORE HOLE
 - ELECTRICAL POLE
 - PLOT BOUNDARY
 - BUILDING
 - TEMPLE
 - BRIDGE / CULVERT
 - ROAD DIVIDER
 - MOBILE
 - SPOT LEVEL
 - NALLA
 - TEMPORARY BENCH MARK TBM-117700 N.
 - ORDINARY MH

- REFERENCE DRAWING :**
- 1) BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS LKO-BASE MAP-2
 - 3) KEY PLAN LKO-KEY-1
 - 4) CATCHMENT AREA OF EXISTING CIS GOMTI TRUNK SEWER LKO-CA-CGTS

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

CHECKED BY:		APPROVED BY:	
BAURABH MISRA		V.N.SONTAKKE	
DRAWN	R.D.PARAB	SCALE	AS SHOWN
DESIGNED	M.D.NAGYDKAR	DATE	11-12-2004

CONSULTANTS:

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

TOKYO ENGINEERING CONSULTANTS CO., LTD.

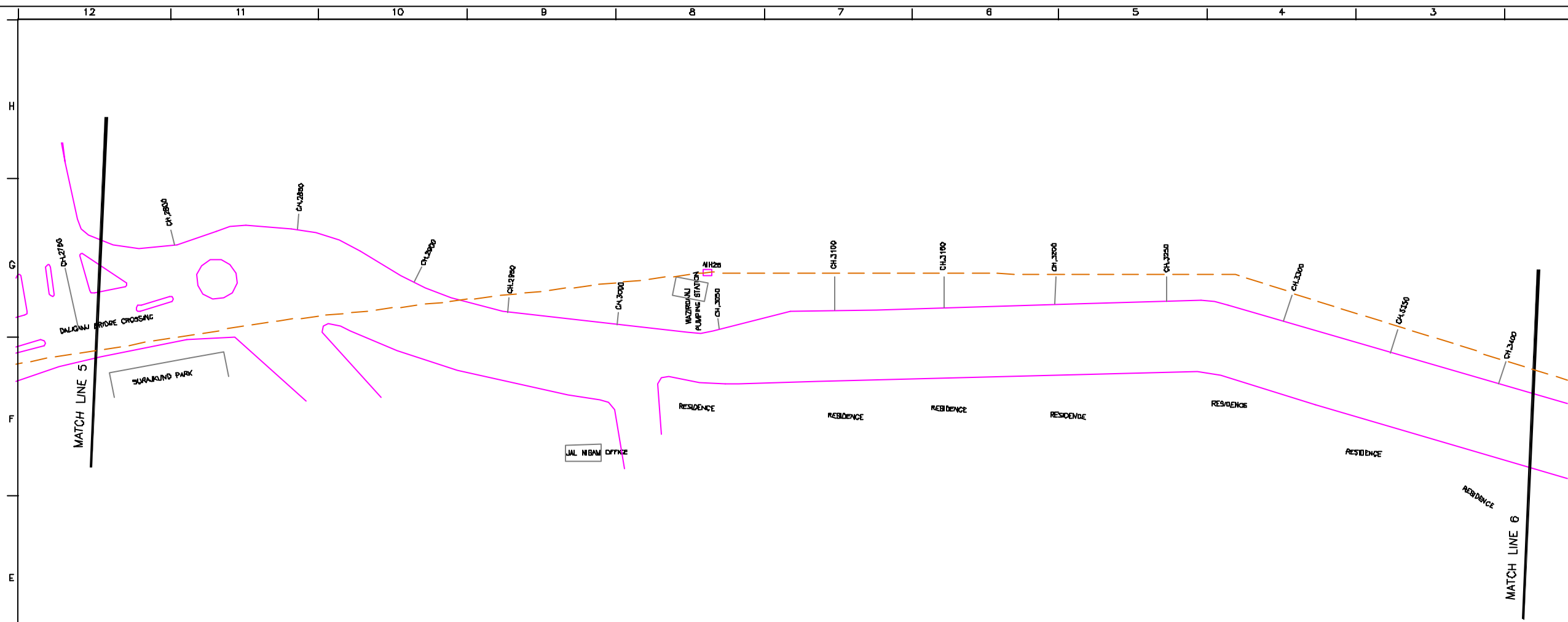
CTI ENGINEERING INTERNATIONAL CO., LTD.

SHYAM SUDHAN PRAKASH LIMITED

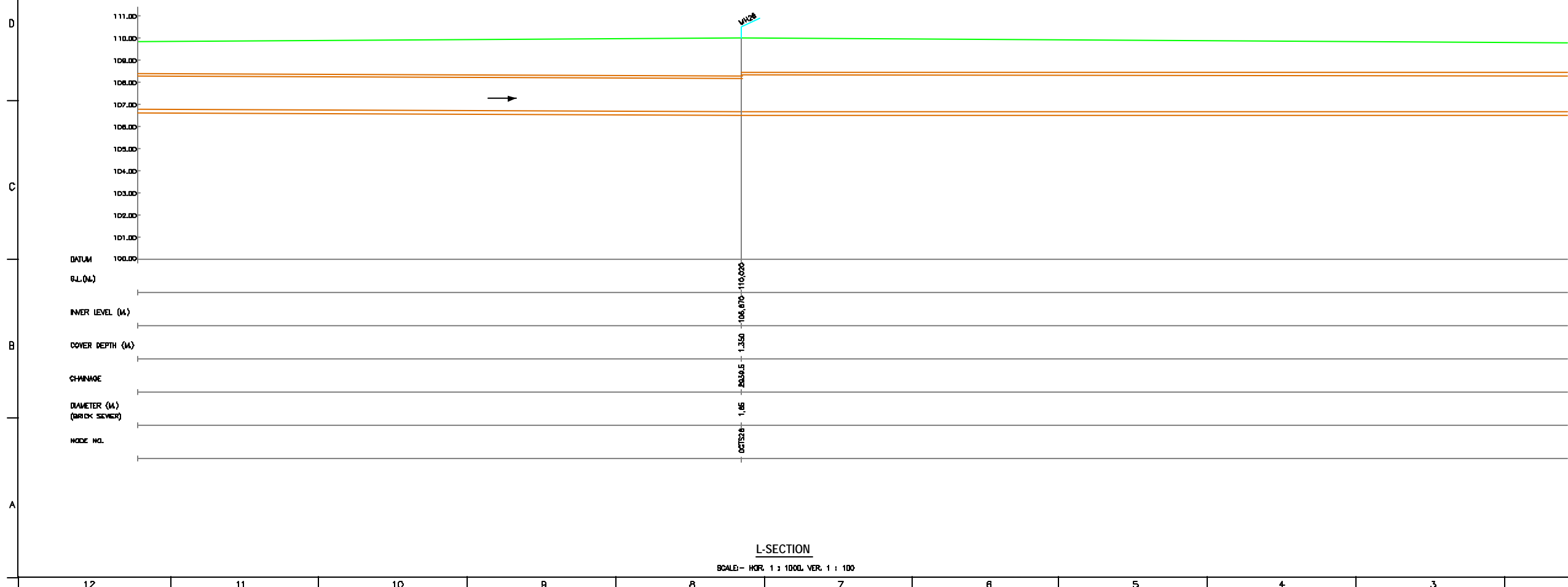
PROJECT:
THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR LUCKNOW CITY

SHEET CONTENTS:
PLAN AND PROFILE OF CIS GOMTI TRUNK SEWER (SHEET NO.5/12)

DRAWING NO.	SHEET NO.
LKO-PP-CGTS-5	38



PLAN
SCALE: 1 : 1000



L-SECTION
SCALE: HORZ. 1 : 1000, VER. 1 : 100

NOTE:
1) ALL THE LEVELS ARE IN METERS.

- LEGEND**
- COMPLETE REHABILITATION OF EXISTING SEWER LINE
 - PART REHABILITATION OF EXISTING SEWER LINE
 - ROAD
 - RAILWAY LINE
 - BORE HOLE
 - ELECTRICAL POLE
 - PLOT BOUNDARY
 - BUILDING
 - TEMPLE
 - BRIDGE / CULVERT
 - ROAD DIVIDER
 - MOBILE
 - SPOT LEVEL
 - NALLA
 - TEMPORARY BENCH MARK TBM-117.700 N.
 - ORDINARY MH

- REFERENCE DRAWING :**
- 1) BASE MAP WITH BEWERAGE ZONES LKO-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS LKO-BASE MAP-2
 - 3) KEY PLAN LKO-KEY-1
 - 4) CATCHMENT AREA OF EXISTING CIS GOMTI TRUNK SEWER LKO-CA-CGTB

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

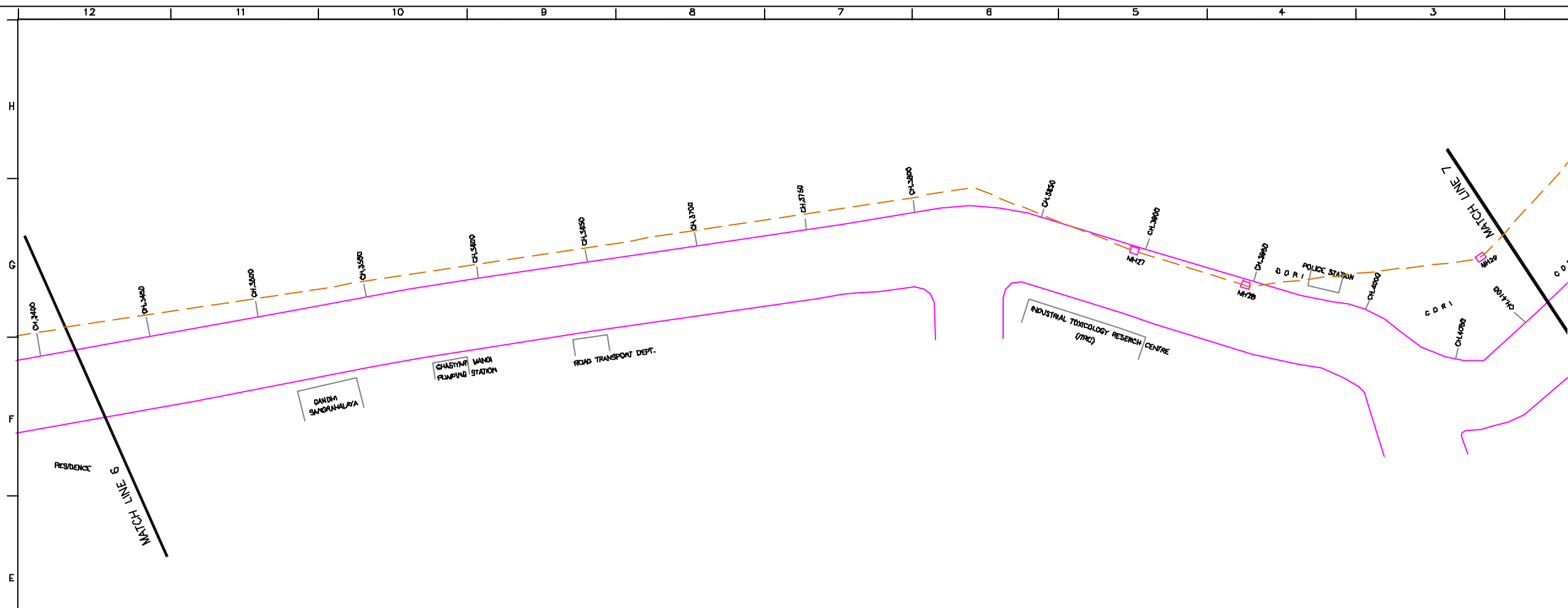
CHECKED BY: BALRABH MISRA		APPROVED BY: V.N.SCHTAKKE	
DRAWN: R.D.PARAB	SCALE: AS SHOWN	DATE: 11-12-2004	
DESIGNED: M.D.NAGYDKAR	DATE: 11-12-2004		
SURVEYED: VERMA			

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SURESH VERMA PRIVATE LIMITED

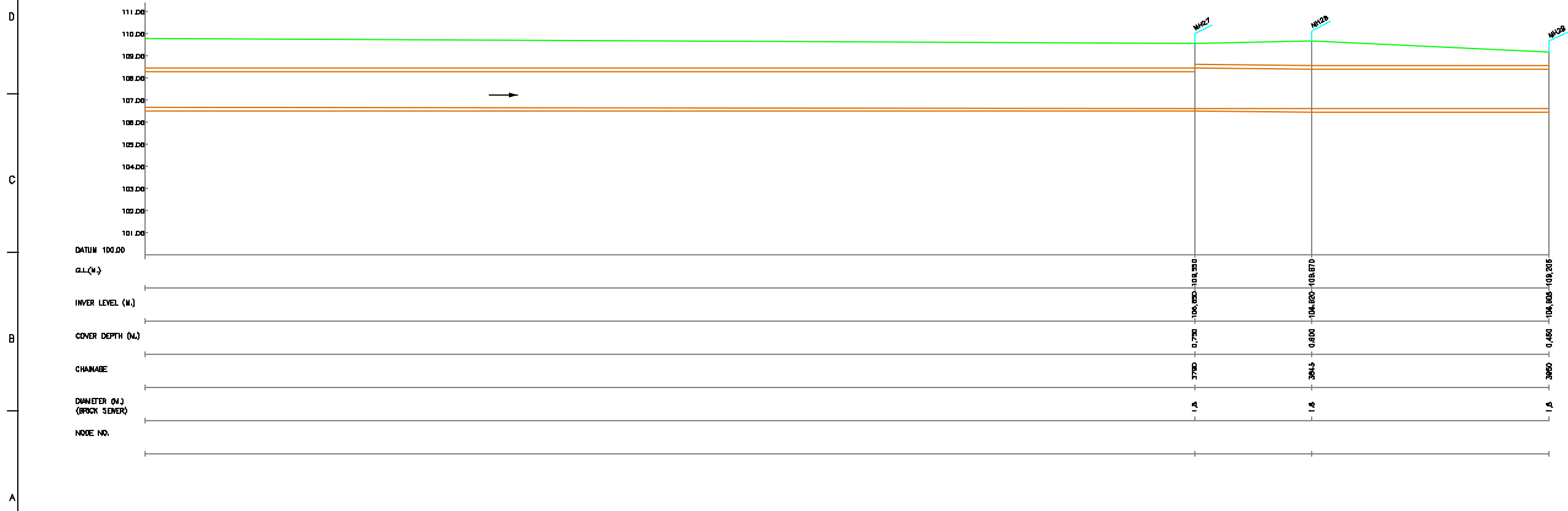
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR LUCKNOW CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF CIS GOMTI TRUNK SEWER (SHEET NO.6/12)

DRAWING NO. LKO-PP-CGTS-6	BRNO. 39
---------------------------	----------



PLAN
SCALE:- 1 : 1000



L-SECTION
SCALE:- HOR. 1 : 1000, VER. 1 : 100

NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

- COMPLETE REHABILITATION OF EXISTING SEWER LINE
- PART REHABILITATION OF EXISTING SEWER LINE
- ROAD
- RAILWAY LINE
- BORC HOLE
- ELECTRICAL POLE
- PLOT BOUNDARY
- BUILDING
- TEMPLE
- BRIDGE / CULVERT
- ROAD DIVIDER
- MOBILE
- SPOT LEVEL
- NALLA
- TEMPORARY BEANCH MARK TBM-117.700 N.
- ORDINARY MH

- REFERENCE DRAWING :**
- 1) BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES LKO-BASE MAP-2
 - 3) KEY PLAN LKO-KEY-1
 - 4) CATCHMENT AREA OF EXISTING CIS GOMTI TRUNK SEWER LKO-CA-CGTS

INST.					
ELEC.					
MECH.					
STRA.					
CIVL.					
REV. NO.	0	1	2	3	4

CHECKED BY:		APPROVED BY:	
BALRABH MISRA		V.N.SONTAKKE	
DRAWN	R.D.PARAB	SCALE	AS SHOWN
DESIGNED	M.D.JAGDEKAR	DATE	11-12-2004

CONSULTANTS:

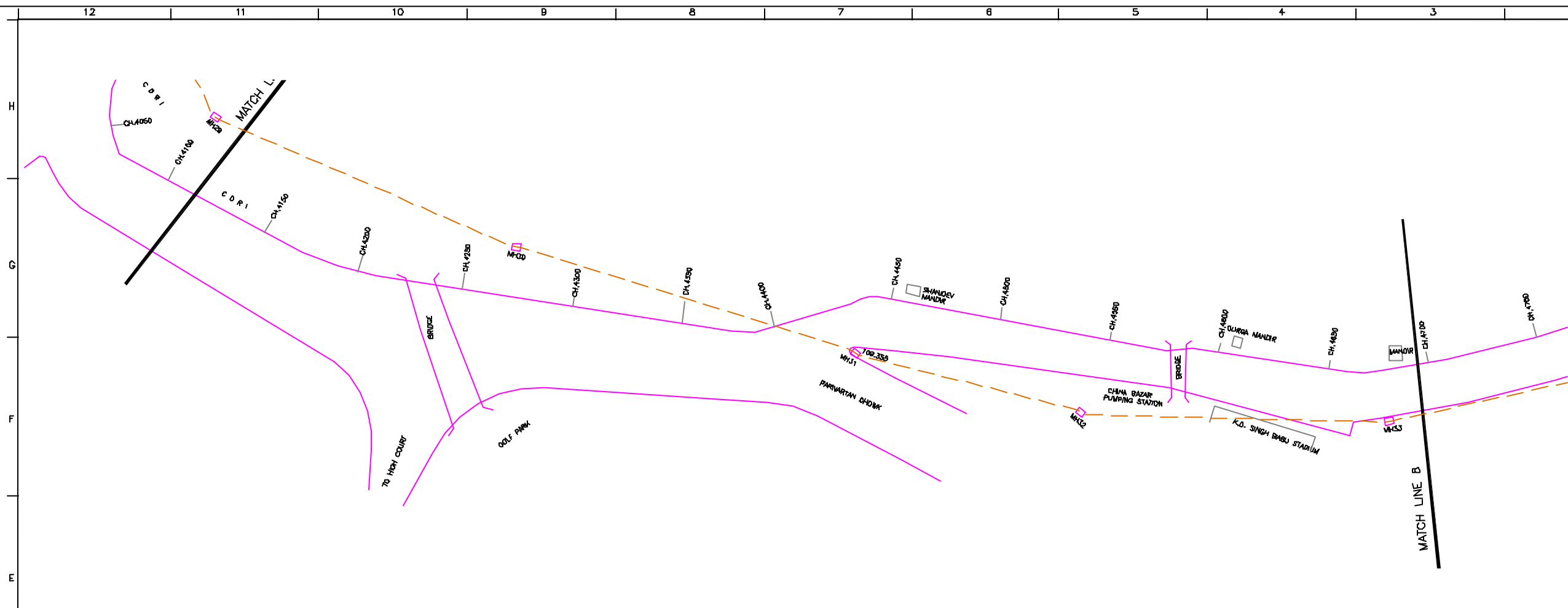
JICA INTERNATIONAL COOPERATION AGENCY

TOKYO ENGINEERING CONSULTANTS CO., LTD.
 C.T.I. ENGINEERING INTERNATIONAL CO., LTD.
 SHYAM SUNDAR PRAKASHI LIMITED

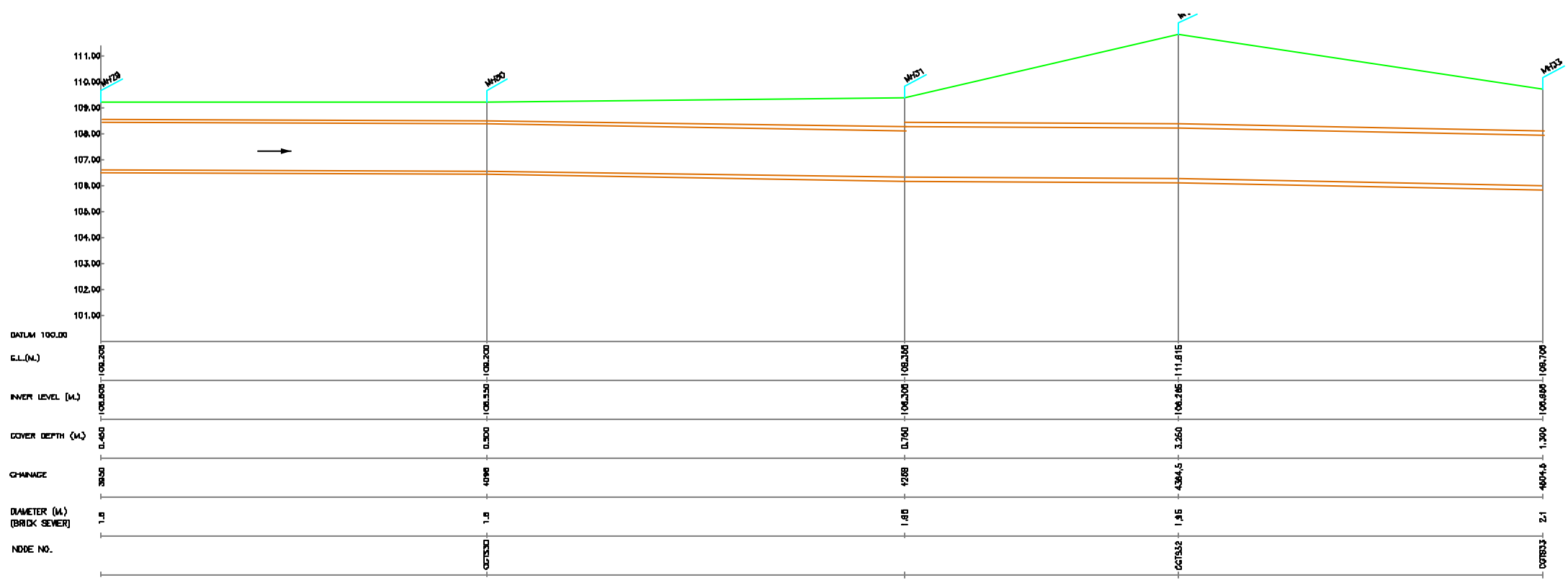
PROJECT:
THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR LUCKNOW CITY

SHEET CONTENTS:
PLAN AND PROFILE OF CIS GOMTI TRUNK SEWER (SHEET NO.7/12)

DRAWING NO.	BRNO.
LKO-PP-CGTS-7	40



PLAN
SCALE- 1 : 1000



L-SECTION
SCALE- HORZ. 1 : 1000, VER. 1 : 100

NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

COMPLETE REHABILITATION OF EXISTING SEWER LINE	---
PART REHABILITATION OF EXISTING SEWER LINE	- - - -
ROAD	|||||
RAILWAY LINE	|||||
BORC HOLE	□
ELECTRICAL POLE	⊥
PLOT BOUNDARY	□
BUILDING	□
TEMPLE	□
BRIDGE / CULVERT	⌒
ROAD DIVIDER	⌒
MOBILE	⌒
SPOT LEVEL	⊕
NALLA	~
TEMPORARY BEANCH MARK	TBM-117.700 N.
ORDINARY MH	MH

- REFERENCE DRAWING :**
- 1) BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES LKO-BASE MAP-2
 - 3) KEY PLAN LKO-KEY-1
 - 4) CATCHMENT AREA OF EXISTING CIS GOMTI TRUNK SEWER LKO-GA-DGTS

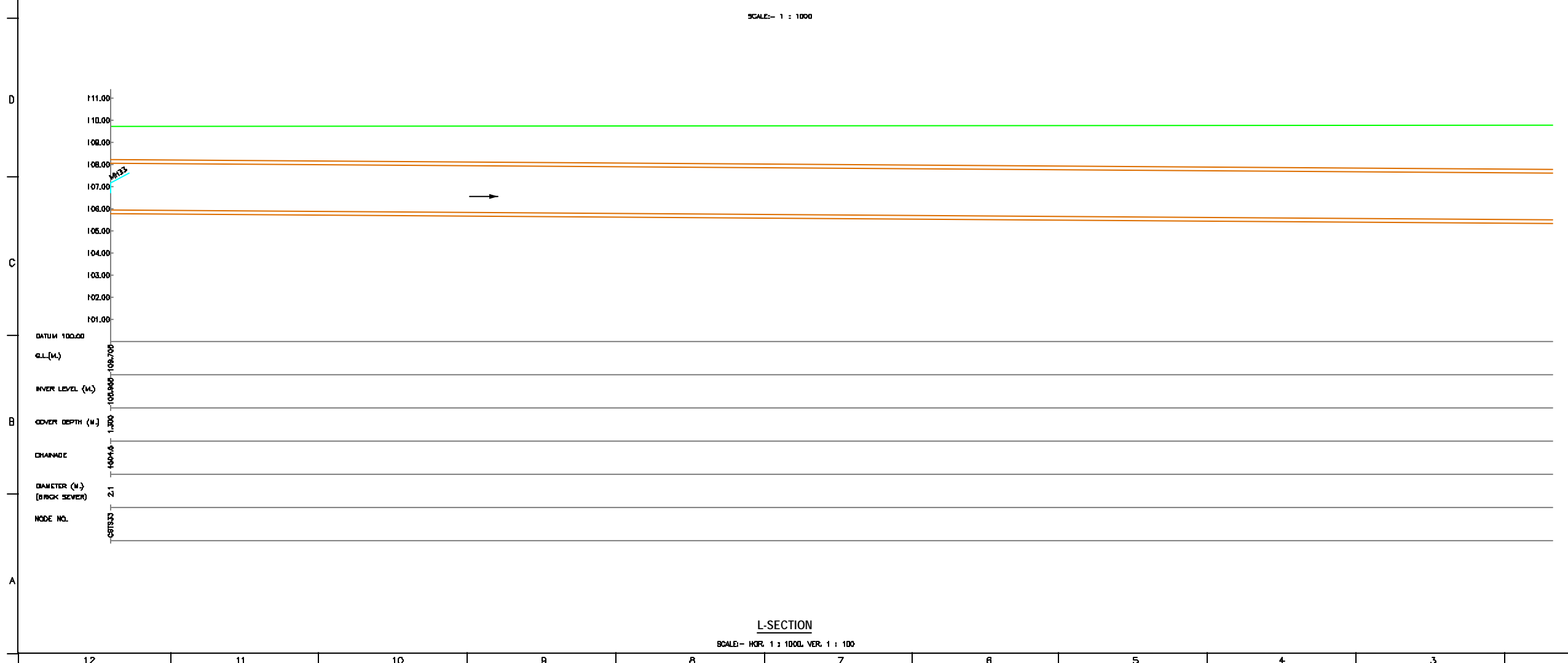
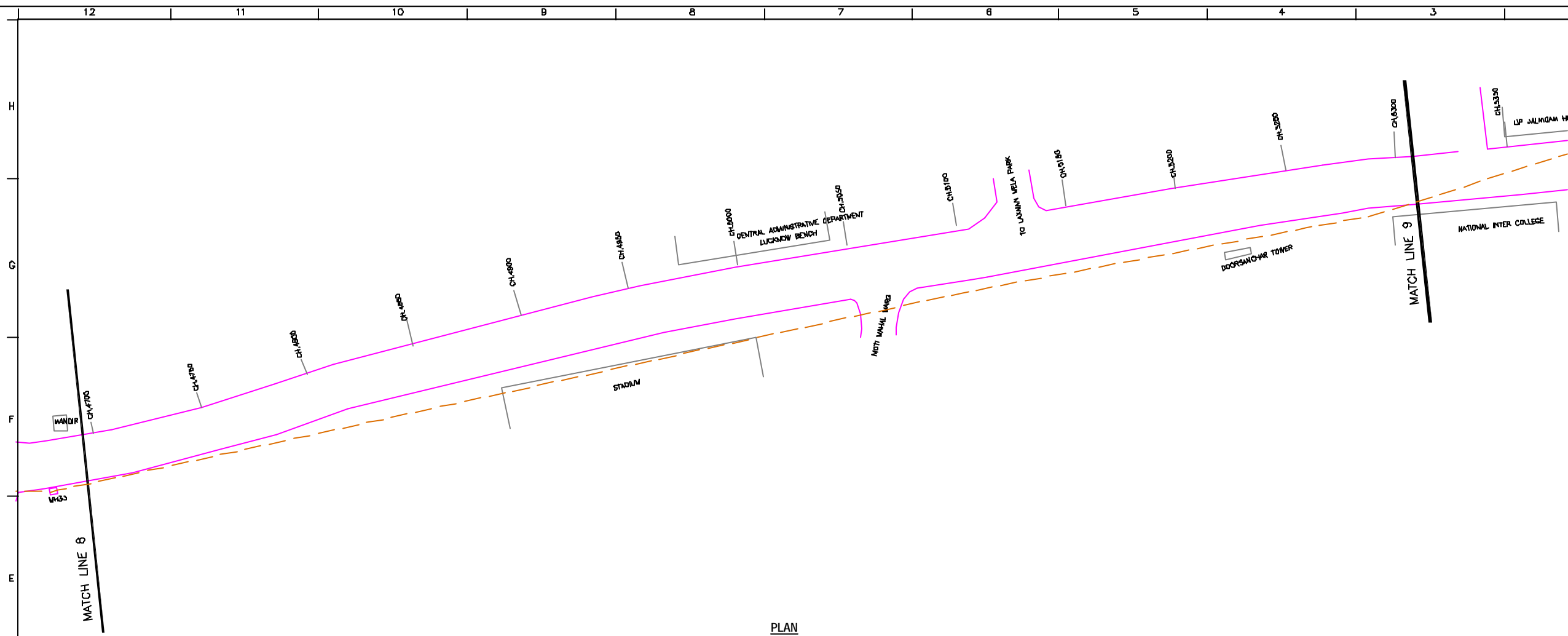
INST.					
ELEC.					
MECH.					
STRA.					
CIVIL					
REV. NO.	0	1	2	3	4
REV.					
DESCRIPTION OF REVISIONS					
DATE					
CHECKED					

CHECKED BY: BAURABH MISRA
 APPROVED BY: V.N.SONTAKKE
 DRAWN: R.D.PARAB
 DESIGNED: M.D.NAGDEKAR
 SURVEYED: VERMA
 SCALE: AS SHOWN
 DATE: 11-12-2004

JICA INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SURESH VERMA PRIVATE LIMITED

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

SHEET CONTENTS:
 PLAN AND PROFILE OF CIS GOMTI TRUNK SEWER (SHEET NO.8/12)



NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

- COMPLETE REHABILITATION OF EXISTING SEWER LINE ---
- PART REHABILITATION OF EXISTING SEWER LINE ---
- ROAD ---
- RAILWAY LINE |||||
- BORC HOLE □
- ELECTRICAL POLE ↑
- PLOT BOUNDARY ---
- BUILDING ▭
- TEMPLE ⊕
- BRIDGE / CULVERT ⌒
- ROAD DIVIDER ---
- MOBILE ⊞
- SPOT LEVEL •
- NALLA ~
- TEMPORARY BENCH MARK TBM-117700 N. ⊕
- ORDINARY MH ⊕

- REFERENCE DRAWING :**
- 1) BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES LKO-BASE MAP-2 & PROPOSED PRIORITY PROJECTS
 - 3) KEY PLAN LKO-KEY-1
 - 4) CATCHMENT AREA OF EXISTING CIS GOMTI TRUNK SEWER LKO-CA-CGTS

INST.					
ELEC.					
MECH.					
STRA.					
CIVL.					
REV. NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY:		APPROVED BY:	
BAURABH MISRA		V.N.SONTAKKE	
DRAWN	R.D.PARAB	SCALE	AS SHOWN
DESIGNED	M.D.NAGYDKAR	DATE	11-12-2004
SURVEYED	VERMA	DATE	11-12-2004

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS:

- TOKYO ENGINEERING CONSULTANTS CO., LTD.
- CTI ENGINEERING INTERNATIONAL CO., LTD.
- SHYAM SUNDAR PRAKASHI LIMITED

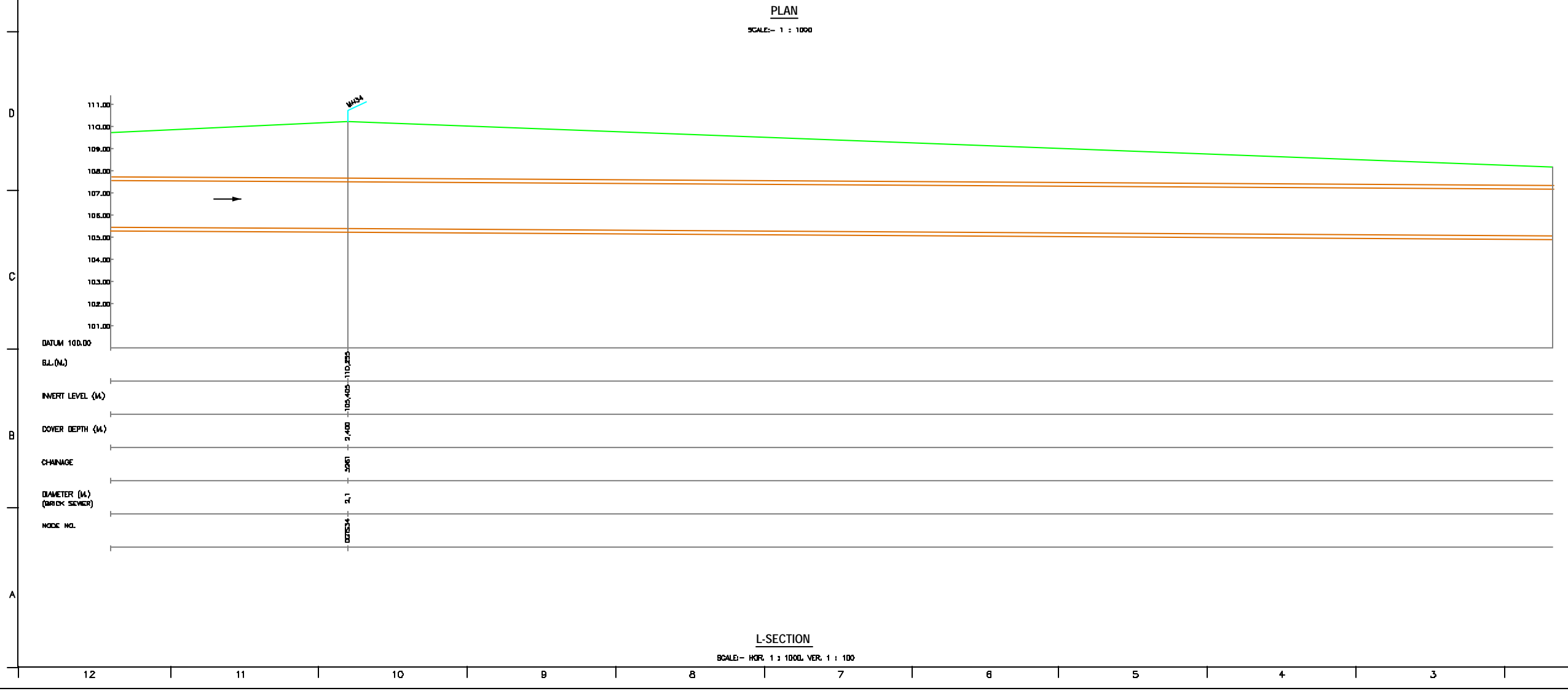
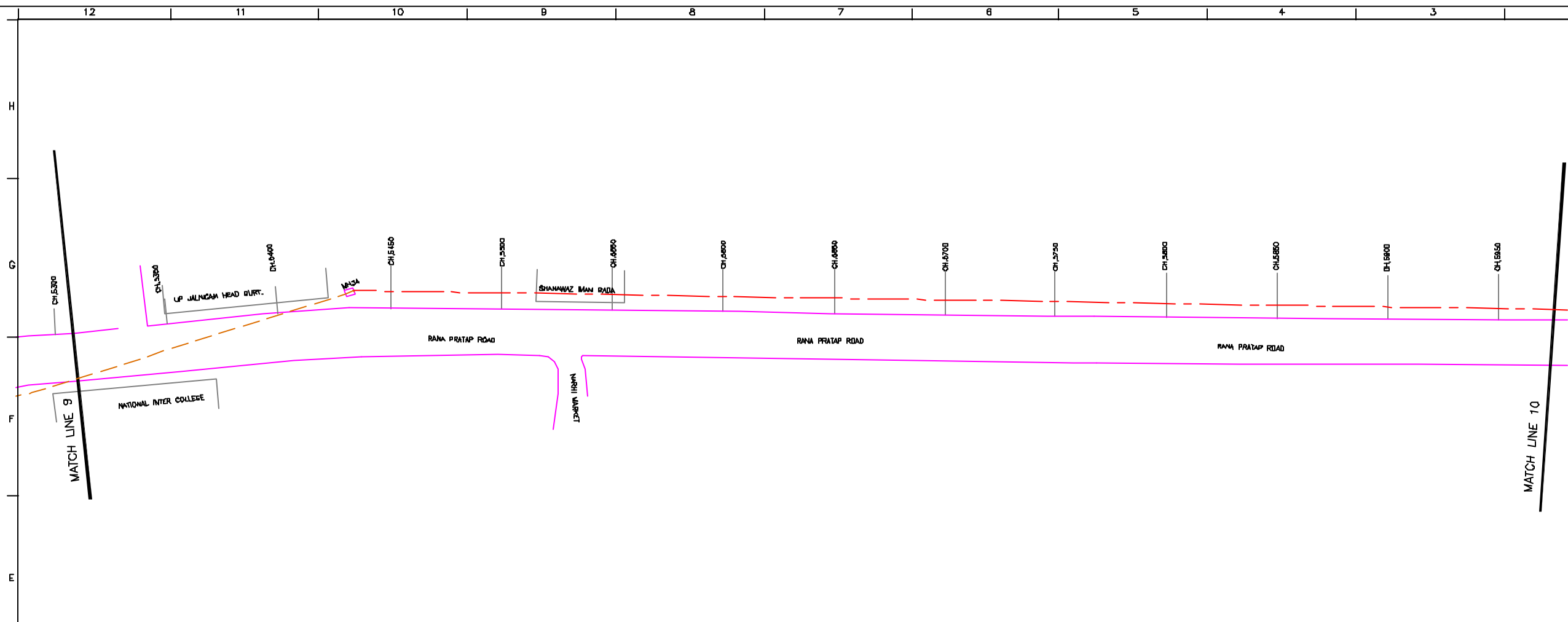
PROJECT:
THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR LUCKNOW CITY

SHEET CONTENTS:
PLAN AND PROFILE OF CIS GOMTI TRUNK SEWER (SHEET NO.9/12)

DRAWING NO.	SR.NO.
LKO-PP-CGTS-9	42

PLAN
SCALE:- 1 : 1000

L-SECTION
SCALE:- HORZ. 1 : 1000, VER. 1 : 100



NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

- COMPLETE REHABILITATION OF EXISTING SEWER LINE
- PART REHABILITATION OF EXISTING SEWER LINE
- ROAD
- RAILWAY LINE
- BORC HOLE
- ELECTRICAL POLE
- PLOT BOUNDARY
- BUILDING
- TEMPLE
- BRIDGE / CULVERT
- ROAD DIVIDER
- MOBILE
- SPOT LEVEL
- NALLA
- TEMPORARY BENCH MARK TBM-117700 N.
- ORDINARY MH

REFERENCE DRAWING :

- 1) BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1
- 2) BASE MAP WITH WARD BOUNDARIES LKO-BASE MAP-2 & PROPOSED PRIORITY PROJECTS
- 3) KEY PLAN LKO-KEY-1
- 4) CATCHMENT AREA OF EXISTING CIS GOMTI TRUNK SEWER LKO-CA-CCTS

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY: SAURABH MISRA
APPROVED BY: V.N.SONTAKKE

DRAWN: R.D.PARAB
DESIGNED: M.D.JAGYDKAR
SURVEYED: VERMA

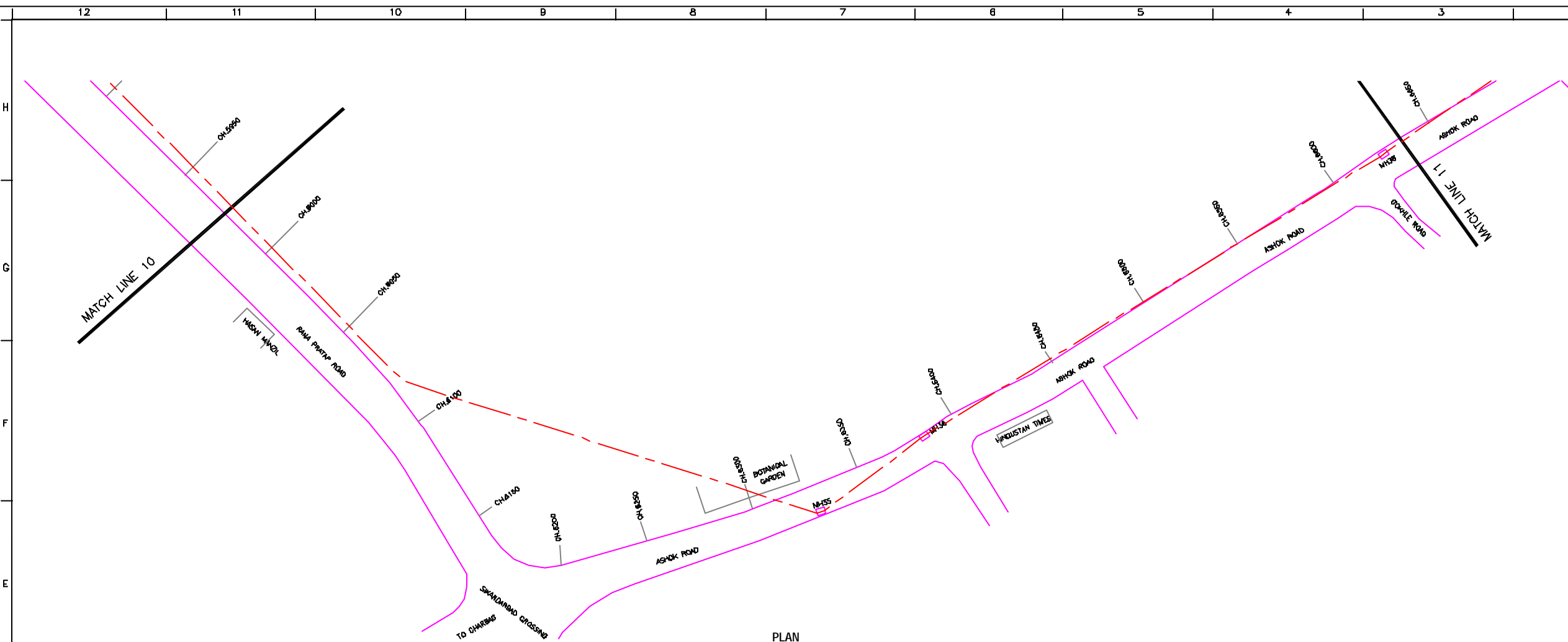
SCALE: AS SHOWN
DATE: 11-12-2004

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
TOKYO ENGINEERING CONSULTANTS CO., LTD.
CTI ENGINEERING INTERNATIONAL CO., LTD.
SHYAM SUKLA PRAKASH LIMITED

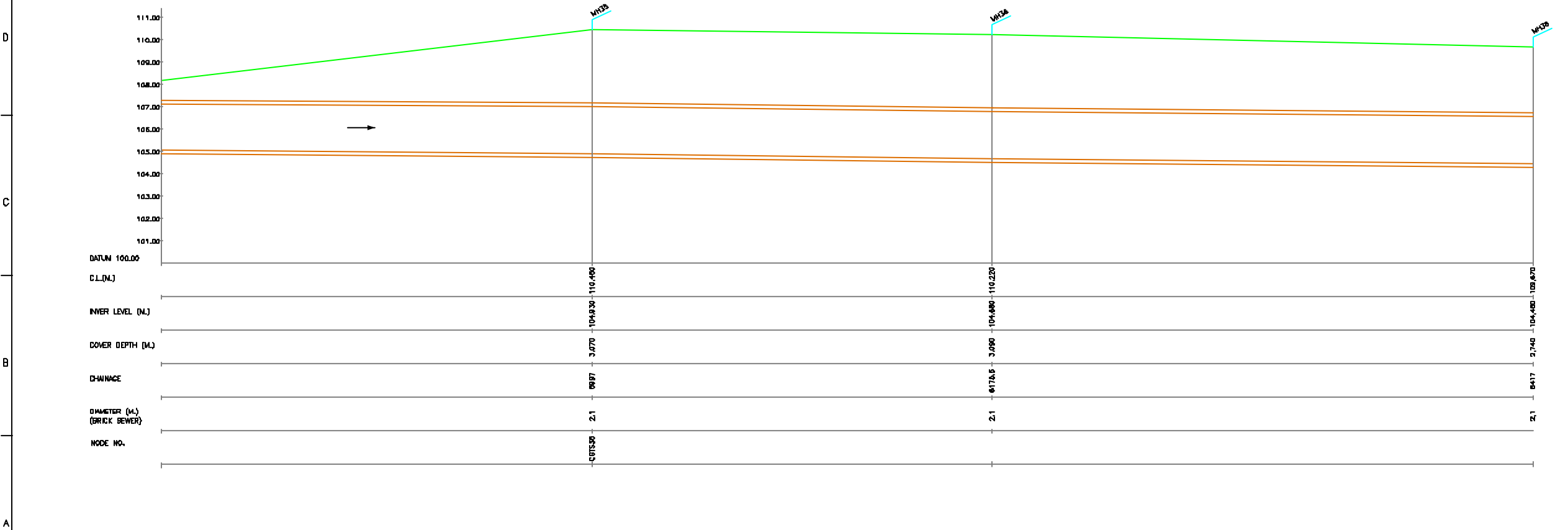
PROJECT:
THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR LUCKNOW CITY

SHEET CONTENTS:
PLAN AND PROFILE OF CIS GOMTI TRUNK SEWER (SHEET NO.10/12)

DRAWING NO. LKO-PP-CGTS-10
SR.NO. 43



PLAN
SCALE- 1 : 1000



L-SECTION
SCALE- HOR. 1 : 1000, VER. 1 : 100

NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

COMPLETE REHABILITATION OF EXISTING SEWER LINE	---
PART REHABILITATION OF EXISTING SEWER LINE	- - - -
ROAD	=====
RAILWAY LINE	|||||
BORC HOLE	○ GH-18
ELECTRICAL POLE	↑
PLOT BOUNDARY	□
BUILDING	■
TEMPLE	⊕
BRIDGE / CULVERT	⌒
ROAD DIVIDER	⌒
MOBILE	⌒
SPOT LEVEL	▲
NALLA	~
TEMPORARY BEANCH MARK	TBM-117.700 N.
ORDINARY MH	MH

- REFERENCE DRAWING :**
- 1) BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS LKO-BASE MAP-2
 - 3) KEY PLAN LKO-KEY-1
 - 4) CATCHMENT AREA OF EXISTING CIS GOMTI TRUNK SEWER LKO-CA-CUTS

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY:	APPROVED BY:
SAURABH MISHRA	V.N.SONTAKKE
DRAWN:	R.D.PARAB
DESIGNED:	M.D.JAGYDKAR
BURVEYED:	VERMA
SCALE:	AS SHOWN
DATE:	11-12-2004

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

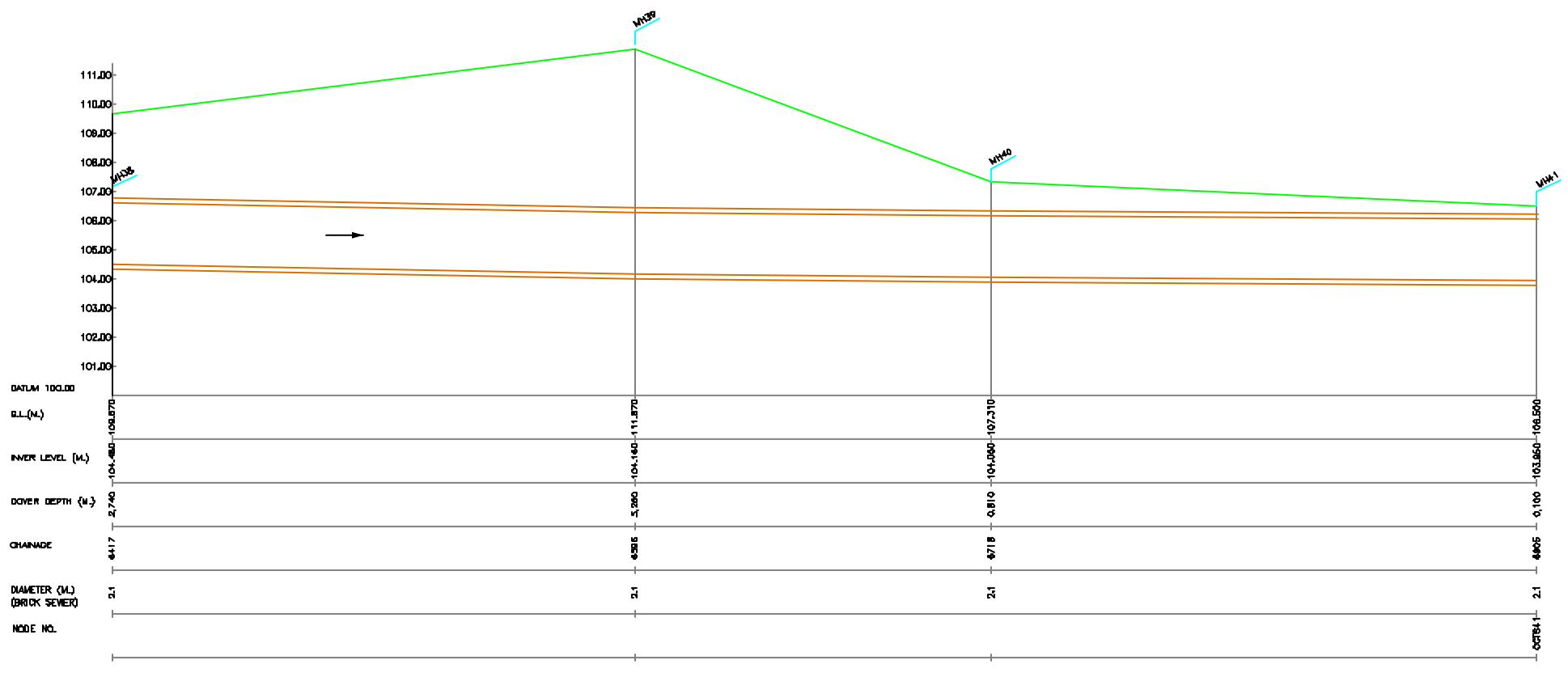
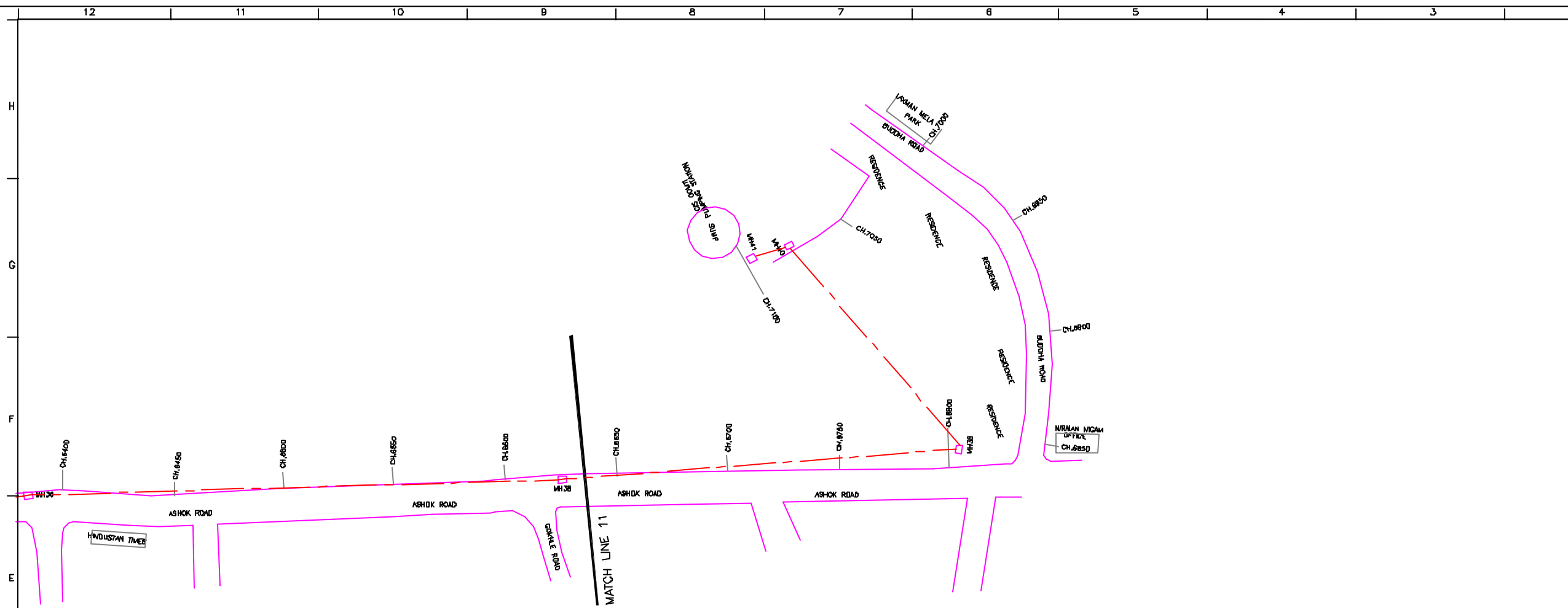
CONSULTANTS:

TOKYO ENGINEERING CONSULTANTS CO., LTD.
 C.T.I. ENGINEERING INTERNATIONAL CO., LTD.
 SHYAM VERMA PRIVATE LIMITED

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

SHEET CONTENTS:
PLAN AND PROFILE OF CIS GOMTI TRUNK SEWER (SHEET NO. 11/12)

DRAWING NO.	SR.NO.
LKO-PP-CGTS-11	44



NOTE:
1) ALL THE LEVELS ARE IN METERS.

- LEGEND**
- COMPLETE REHABILITATION OF EXISTING SEWER LINE
 - PART REHABILITATION OF EXISTING SEWER LINE
 - ROAD
 - RAILWAY LINE
 - BORE HOLE
 - ELECTRICAL POLE
 - PLOT BOUNDARY
 - BUILDING
 - TEMPLE
 - BRIDGE / CULVERT
 - ROAD DIVIDER
 - MOBILE
 - SPOT LEVEL
 - NALLA
 - TEMPORARY BEANCH MARK
 - ORDINARY MH

- REFERENCE DRAWING :**
- 1) BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS LKO-BASE MAP-2
 - 3) KEY PLAN LKO-KEY-1
 - 4) CATCHMENT AREA OF EXISTING CIS GOMTI TRUNK SEWER LKO-CA-CUTS

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

CHECKED BY:	APPROVED BY:
SAURABH MISRA	V.N.SCHTAKKE
DRAWN	R.D.PARAB
DESIGNED	M.D.NACHYKAR
SURVEYED	VERMA
SCALE	AS SHOWN
DATE	11-12-2004

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SURESH VERMA PRIVATE LIMITED



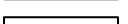







PROJECT:
THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR LUCKNOW CITY

SHEET CONTENTS:
PLAN AND PROFILE OF CIS GOMTI TRUNK SEWER (SHEET NO.12/12)



NOTES:-

LEGEND:-

-  SEWER PROPOSED
-  MAIN CATCHMENT BOUNDARY
-  SUB CATCHMENT BOUNDARY
-  RAILWAY
-  WARD BOUNDARY
-  WARD NOS.
-  PUMPING STATION
-  FUTURE SERVICE AREA
-  NODE NUMBER
-  PROPOSED STP

REFERENCE DRGNS:-

- 1.BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1
- 2.BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS LKO-BASE MAP-2
- 3.KEY PLAN-1 LKO-BASE MAP-1

INST.					
ELEC.					
MECH.					
STRUL.					
CIVIL.					
REV. NO.	0	1	2	3	4
XI	XXX				XXX
XX	XXX				XXX
XI	XXX				XXX
XX	XXX				XXX
XI	XXX				XXX

CHECKED BY:	APPROVED BY:
BAURAGH MESRA	V.N.SONTAKKE
DRAWN:	F.RUNAD
DESIGNED:	N.D. ANGOVEKAR
SURVEYED:	VERMA
SCALE:	1:5000
DATE:	24/12/04

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS:

-  TOKYO ENGINEERING CONSULTANTS CO., LTD.
-  CTI ENGINEERING INTERNATIONAL CO., LTD.
-  MWH INDIA PRIVATE LIMITED

PROJECT:

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

FEASIBILITY STUDY FOR LUCKNOW CITY

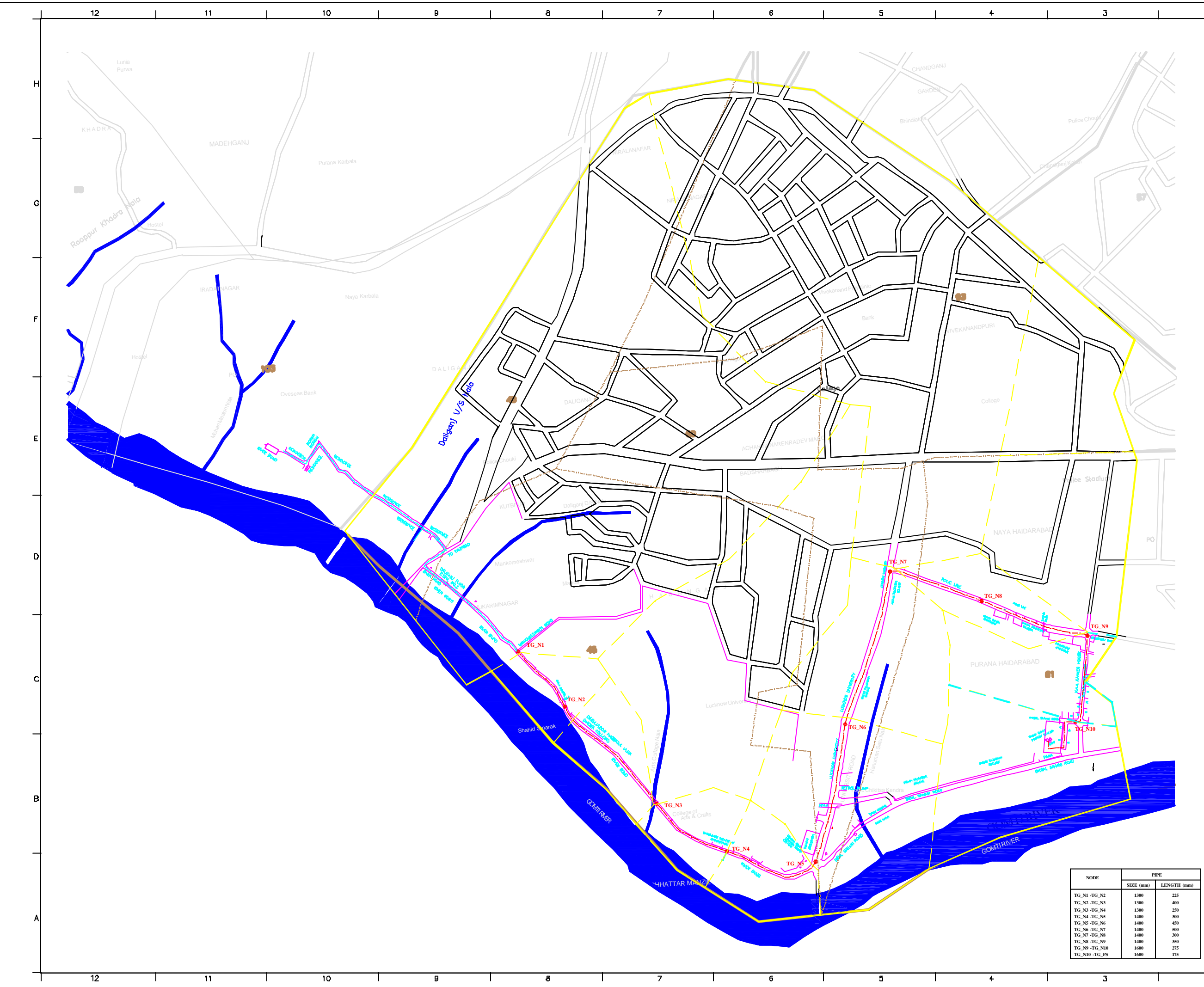
SHEET CONTENTS:

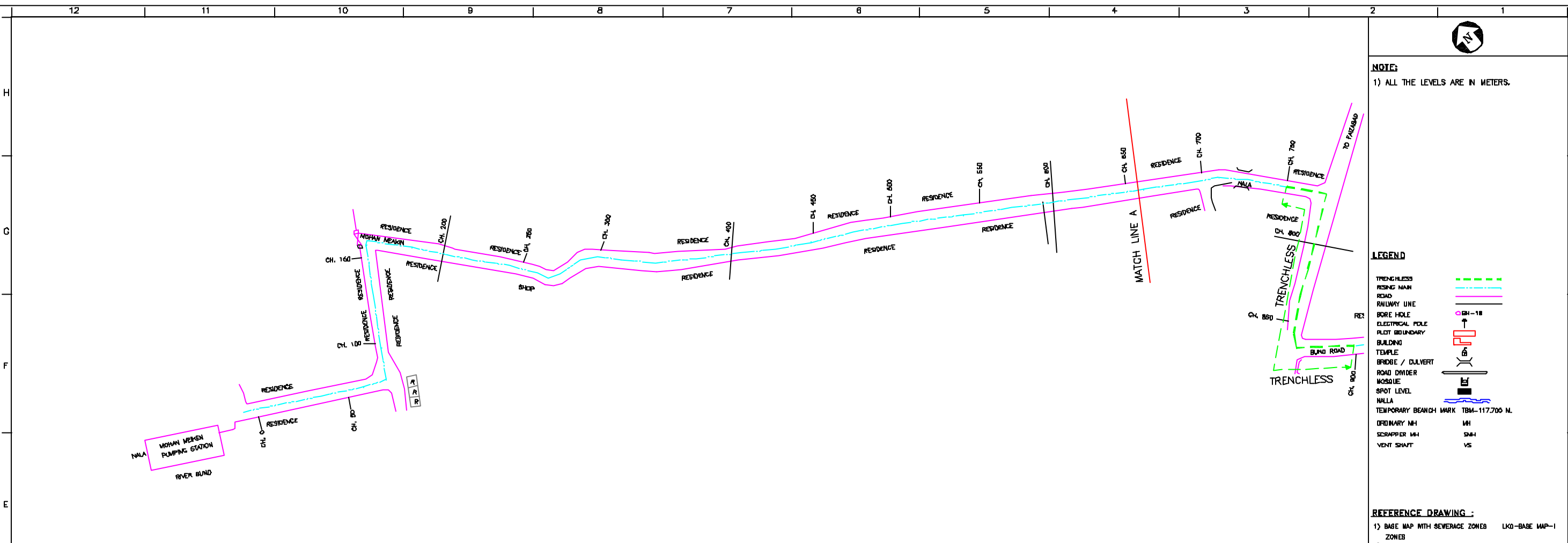
CATCHMENT AREA OF TRANS GOMTI RELIEF SEWER

DRAWING NO.
LKO-CA-TGRS

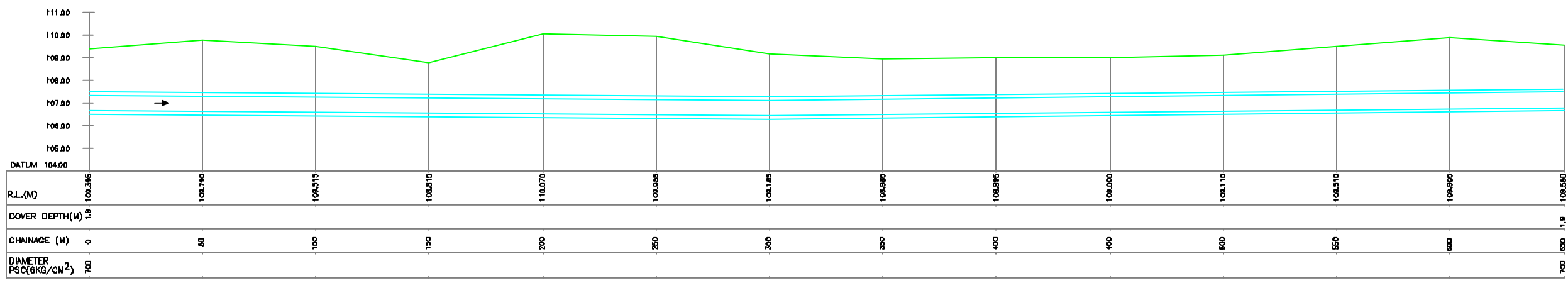
SR. NO.
46

NODE	PIPE	
	SIZE (mm)	LENGTH (mm)
TG_N1 -TG_N2	1300	225
TG_N2 -TG_N3	1300	400
TG_N3 -TG_N4	1300	250
TG_N4 -TG_N5	1400	300
TG_N5 -TG_N6	1400	450
TG_N6 -TG_N7	1400	500
TG_N7 -TG_N8	1400	300
TG_N8 -TG_N9	1400	350
TG_N9 -TG_N10	1600	275
TG_N10 -TG_PS	1600	175





PLAN
SCALE- 1 : 1000



L-SECTION
SCALE- HDR. 1 : 1000, VER. 1 : 100

NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

- TRENCHLESS
- RISING MAIN
- ROAD
- RAILWAY LINE
- BORE HOLE
- ELECTRICAL POLE
- PLOT BOUNDARY
- BUILDING
- TEMPLE
- BRIDGE / CULVERT
- ROAD DIVIDER
- MOBILE
- SPOT LEVEL
- NALLA
- TEMPORARY BEANCH MARK TBM-117.700 N.
- ORDINARY NH
- SCRAPPER NH
- VENT SHAFT

REFERENCE DRAWING :

- 1) BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1
- 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS LKO-BASE MAP-2
- 3) KEY PLAN LKO-KEY-1
- 4) CATCHMENT AREA OF TERS LKO-CA-TORS

INST.					
ELCD.					
MECH.					
STR.					
CIVIL					
REV. NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

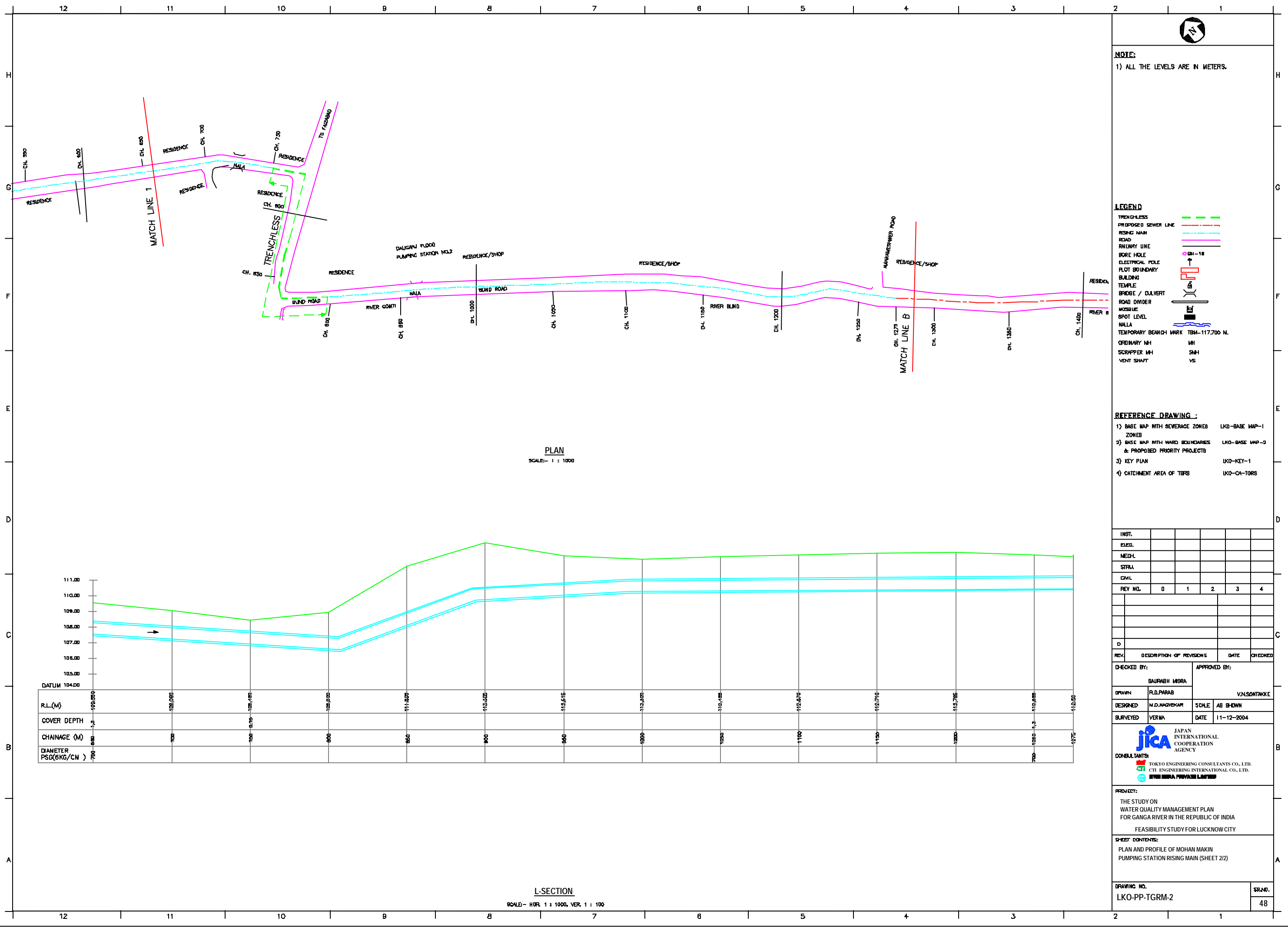
CHECKED BY:		APPROVED BY:	
BAURABH MSRA		V.N.SANTHAKI	
DRAWN	R.D.PARAB	SCALE	AS SHOWN
DESIGNED	N.D.JAGVEKAR	DATE	11-12-2004

CONSULTANTS:

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

SHEET CONTENTS:
PLAN AND PROFILE OF MOHAN MAKIN
PUMPING STATION RISING MAIN (1/2)

DRAWING NO.	SRAND.
LKO-PP-TGRM-1	47



PLAN
SCALE: 1 : 1000

L-SECTION
SCALE: HOR. 1 : 1000, VER. 1 : 100

DATUM	104.00																			
RL (M)	104.00	105.00	106.00	107.00	108.00	109.00	110.00	111.00	112.00	113.00	114.00	115.00	116.00	117.00	118.00	119.00	120.00	121.00	122.00	123.00
COVER DEPTH	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CHAINAGE (M)	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
DIAMETER PSB(KG/CN)	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750

NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

TRENCHLESS PROPOSED SEWER LINE	
RISING MAIN	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
MOSSIE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	
ORDINARY MH	
SCRAPER MH	
VENT SHAFT	

- REFERENCE DRAWING :
- 1) BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1 ZONES
 - 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS LKO-BASE MAP-2
 - 3) KEY PLAN LKO-KEY-1
 - 4) CATCHMENT AREA OF TRRS LKO-CA-TORS

INST.					
EDUC.					
MED.					
STR.					
CIVIL					
REV. NO.	0	1	2	3	4
REV.					
DESCRIPTION OF REVISIONS					
DATE					
CHECKED					

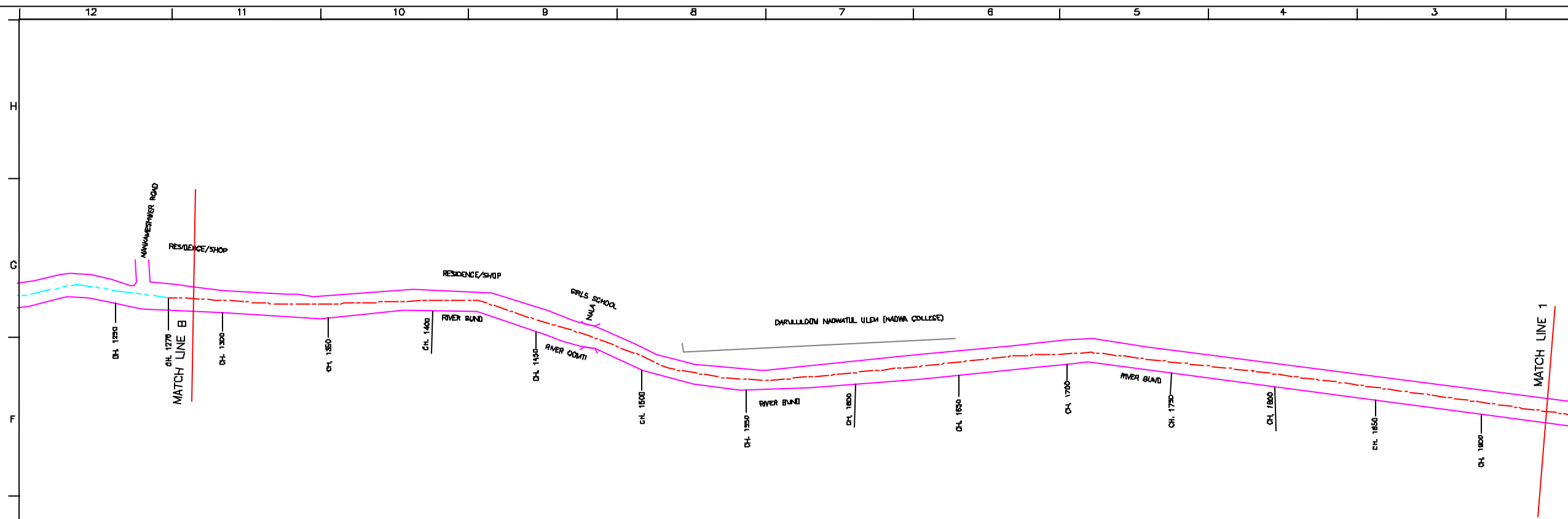
CHECKED BY:	BAURABH MISRA	APPROVED BY:	V.N.SONTAKKE
DRAWN:	R.D.PARAB	SCALE:	AS SHOWN
DESIGNED:	M.D.JAGDEKAR	DATE:	11-12-2004
SURVEYED:	VERMA		

CONSULTANTS:

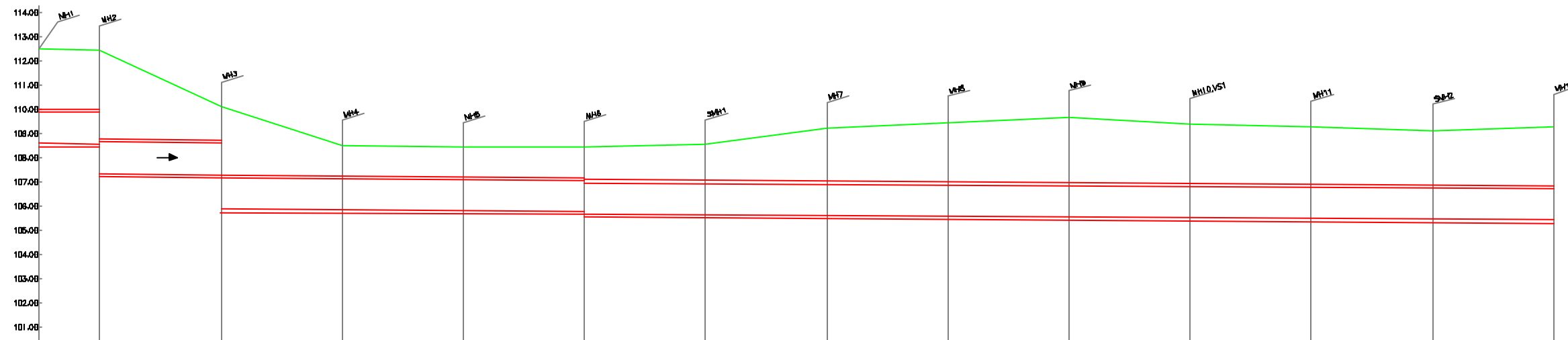
PROJECT:
THE STUDY ON
WATER QUALITY MANAGEMENT PLAN
FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR LUCKNOW CITY

SHEET CONTENTS:
PLAN AND PROFILE OF MOHAN MAKIN
PUMPING STATION RISING MAIN (SHEET 2/2)

DRAWING NO.	LKO-PP-TGRM-2	SR.NO.	48
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PLAN
SCALE- 1 : 1000



L-SECTION
SCALE- HDR. 1 : 1000, VER. 1 : 100

NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

TRENCHLESS	
RESINO MAIN	
PROPOSED SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
MOBILE	
SPOT LEVEL	
NALLA	
TEMPORARY BEANCH MARK	TBM-117.700 M.
ORDINARY MH	MH
SCRAPPER MH	SMH
VENT SHAFT	VS

- REFERENCE DRAWING :**
- | | |
|---|----------------|
| 1) BASE MAP WITH SEWERAGE ZONES | LKO-BASE MAP-1 |
| 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS | LKO-BASE MAP-2 |
| 3) KEY PLAN | LKO-KEY-1 |
| 4) CATCHMENT AREA OF TRANS GOMTI RELIEF SEWER | LKO-CA-TGRS |

INST.					
ELECL.					
MECH.					
STR.					
CIVIL					
REV. NO.	0	1	2	3	4

CHECKED BY:		APPROVED BY:	
BAJRAH MSRA		V.N.SANTHAK	
DRAWN	R.D.PARAB	SCALE	AS SHOWN
DESIGNED	M.D.MANGYER	DATE	11-12-2004

CONSULTANTS:

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

TOKYO ENGINEERING CONSULTANTS CO., LTD.

CTI ENGINEERING INTERNATIONAL CO., LTD.

SHRI VEERA PRIVATE LIMITED

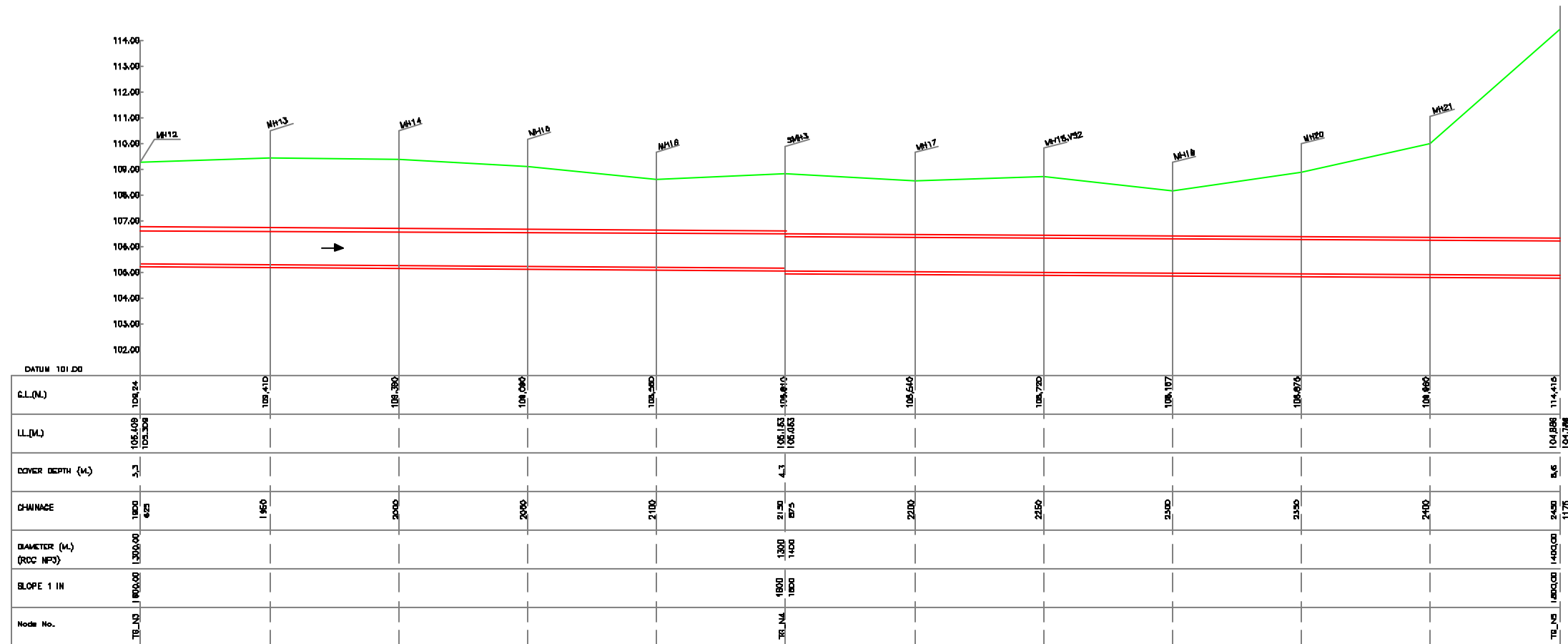
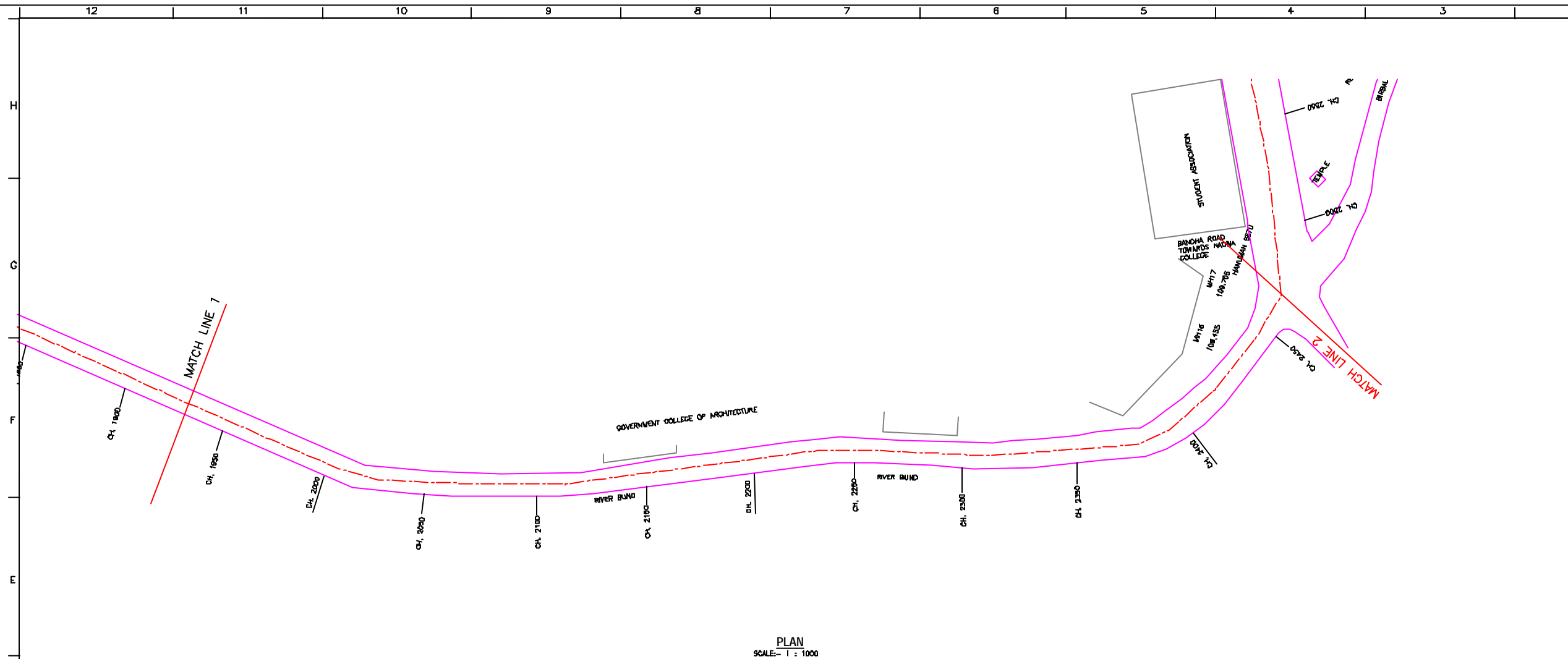
PROJECT:

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

FEASIBILITY STUDY FOR LUCKNOW CITY

SHEET CONTENTS:

PLAN AND PROFILE OF TRANS GOMTI RELIEF SEWER (1/6)



L-SECTION
SCALE- HDR. 1 : 1000, VER. 1 : 100



NOTE:
1) ALL THE LEVELS ARE IN METERS.

- LEGEND**
- TRENCHLESS
 - PROPOSED SEWER LINE
 - ROAD
 - RAILWAY LINE
 - BORE HOLE
 - ELECTRICAL POLE
 - PLOT BOUNDARY
 - BUILDING
 - TEMPLE
 - BRIDGE / DULVERT
 - ROAD DIVIDER
 - MOSQUE
 - SPOT LEVEL
 - NALLA
 - TEMPORARY BEANCH MARK
 - ORDINARY MH
 - SCRAPPER MH
 - VENT SHAFT

- REFERENCE DRAWING :**
- 1) BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1
 - 2) BASE MAP WITH VARD BOUNDARIES & PROPOSED PRIORITY PROJECTS LKO-BASE MAP-2
 - 3) KEY PLAN LKO-KEY-1
 - 4) CATCHMENT AREA OF TRANS GOMTI RELIEF SEWER LKO-CA-TGRS

INST.				
ELEC.				
MECH.				
STR.				
CIVIL				
REV. NO.	0	1	2	3
REV.	DESCRIPTION OF REVISIONS			DATE
CHECKED BY:	SAURABH NERFA			APPROVED BY:
DRAWN	R.D. PARAB			V.N. SONTAKKE
DESIGNED	N.D. JAGVEKAR		SCALE	AS SHOWN
SURVEYED	VERMA		DATE	11-12-2004

CONSULTANTS:

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

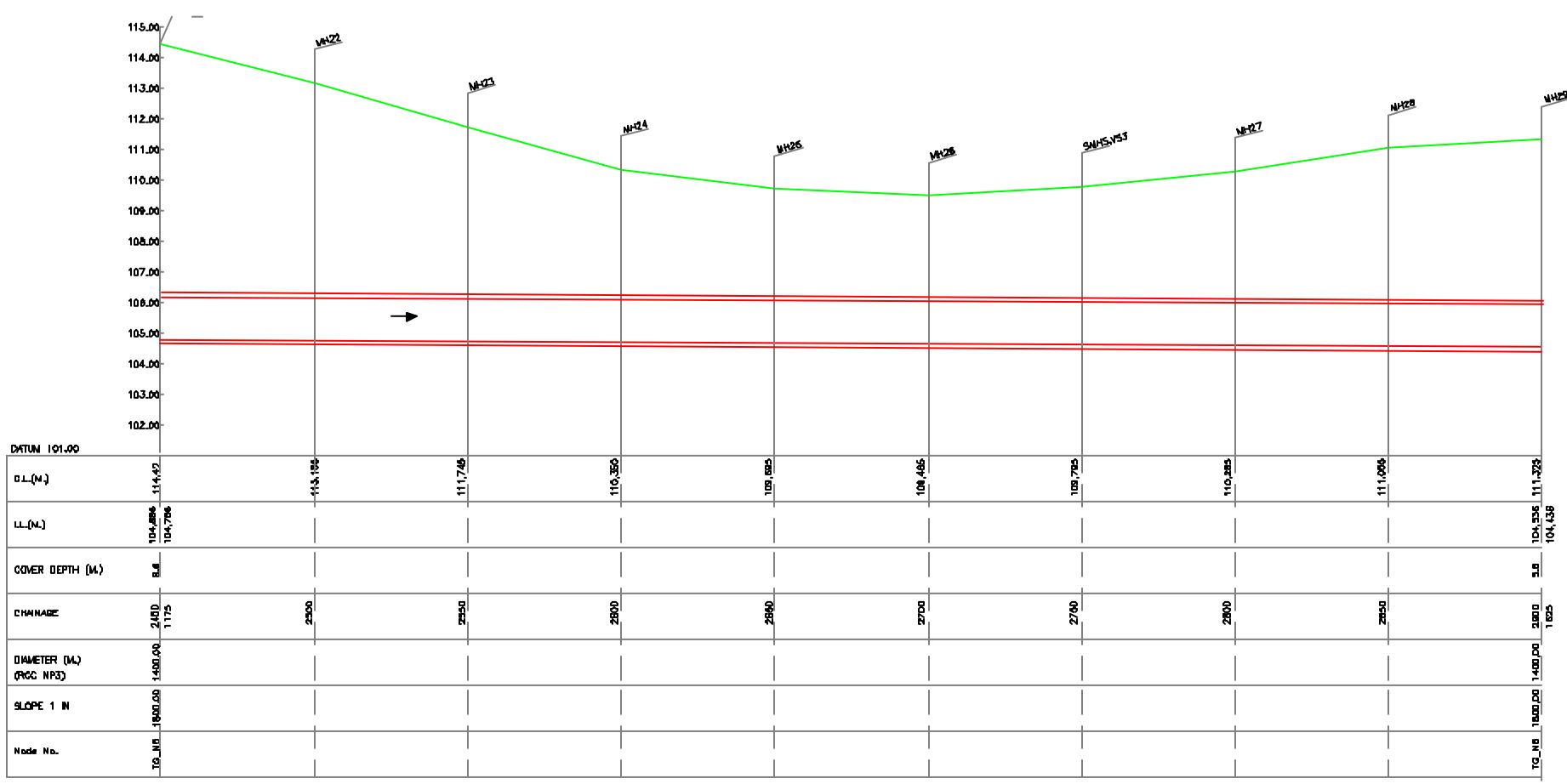
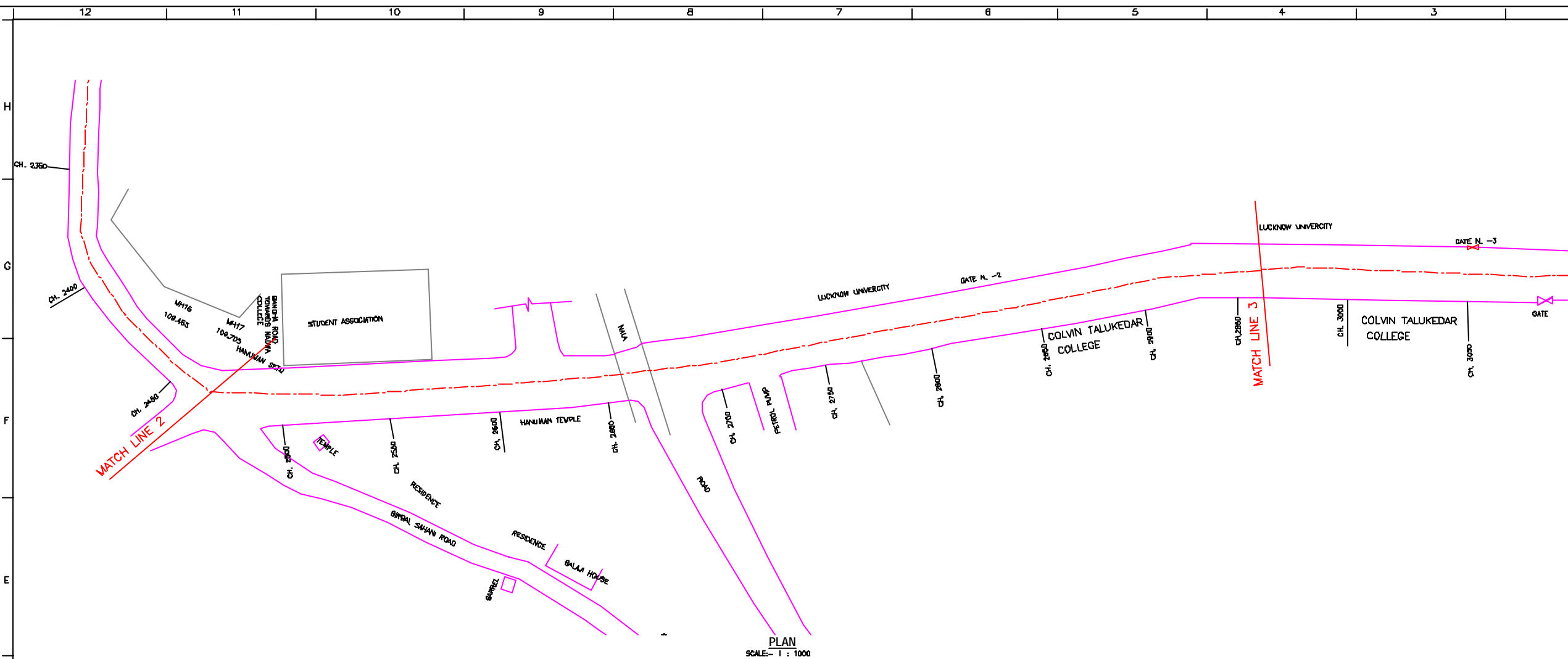
TOKYO ENGINEERING CONSULTANTS CO., LTD.
CTI ENGINEERING INTERNATIONAL CO., LTD.
SHRI NERFA PRIVATE LIMITED

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

SHEET CONTENTS:
PLAN AND PROFILE OF TRANS GOMTI RELIEF SEWER (2/6)

DRAWING NO.
LKO-PP-TGRS-2

SRL. NO.
50



NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

TRENCHLESS PROPOSED SEWER LINE	---
RAILWAY LINE	|||||
BORE HOLE	○
ELECTRICAL POLE	⊥
PLLOT BOUNDARY	□
BUILDING	▭
TEMPLE	⊕
BRIDGE / CULVERT	⌒
ROAD DIVIDER	—|—
MOSQUE	⊞
SPOT LEVEL	•
NALLA	~
TEMPORARY BENCH MARK ISM-117.700 N.	⊕
ORDINARY NH	NH
SCRAPPER NH	SMH
VENT SHAFT	VS

- REFERENCE DRAWING :
- 1) BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS LKO-BASE MAP-2
 - 3) KEY PLAN LKO-KEY-1
 - 4) CATCHMENT AREA OF TRANS GOMTI RELIEF SEWER LKO-CA-TGRS

INST.					
ELCD.					
MECH.					
STR.					
CIVIL					
REV. NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

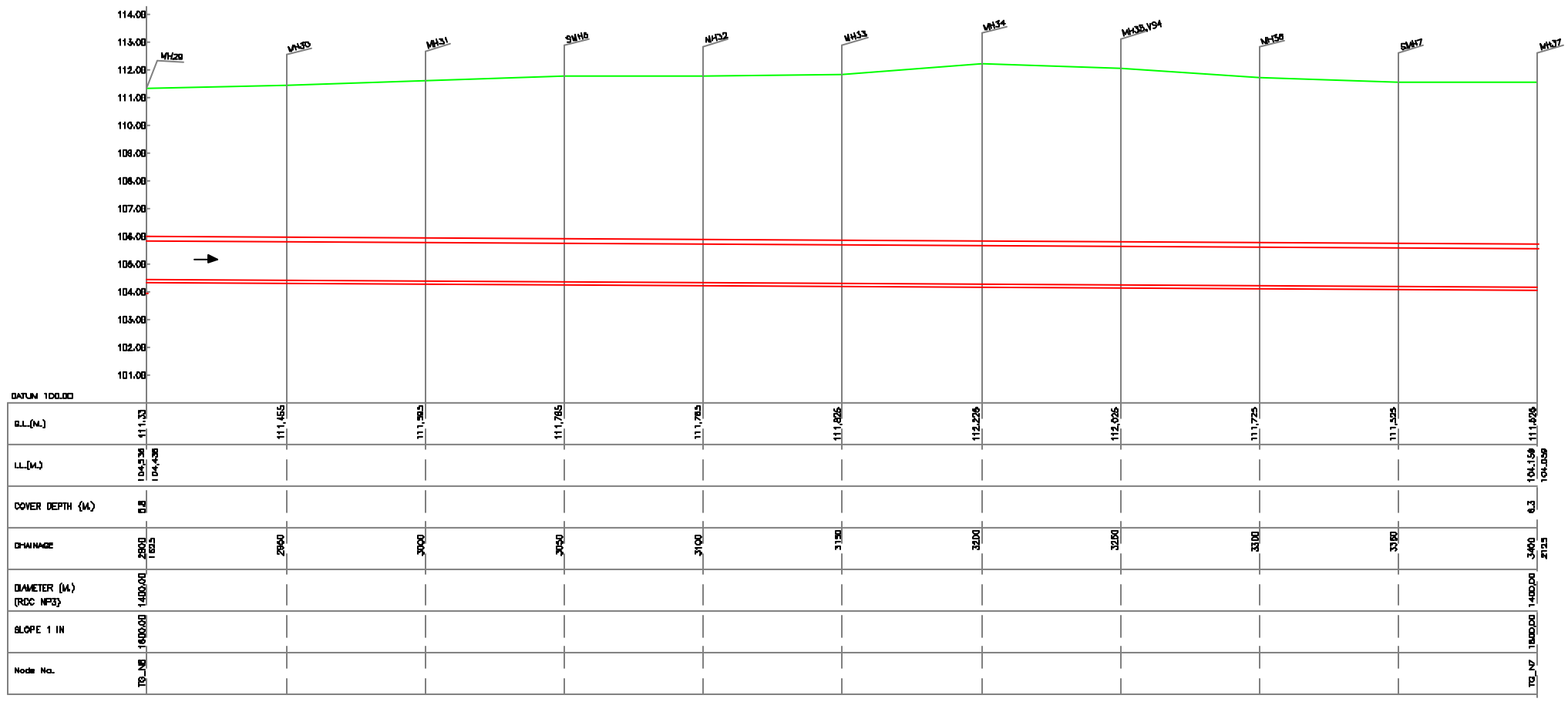
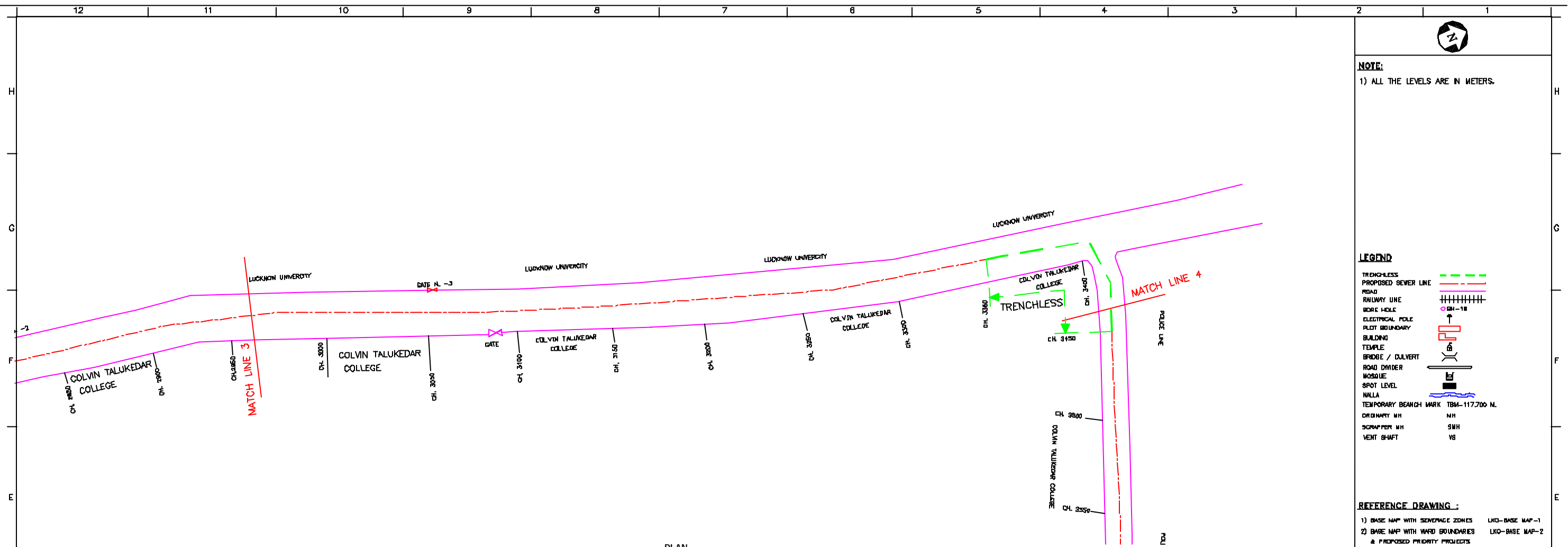
CHECKED BY: BALRABH MISHRA
 APPROVED BY: V.N. SONTAKKE
 DRAWN: R.D. PARAB
 DESIGNED: N.D. JAGDEKAR
 SURVEYED: VERMA
 SCALE: AS SHOWN
 DATE: 11-12-2004

CONSULTANTS:

 JAPAN INTERNATIONAL COOPERATION AGENCY
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 C.T.I. ENGINEERING INTERNATIONAL CO., LTD.
 B.V. MITRA PRIVATE LIMITED

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

SHEET CONTENTS:
 PLAN AND PROFILE OF TRANS GOMTI RELIEF SEWER (3/6)



L-SECTION
SCALE: HDR. 1 : 1000, VER. 1 : 100

NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

TRENCHLESS PROPOSED SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
MOBILE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK TBM-117.700 N.	
ORDINARY MH	
SCRAPER MH	
VENT SHAFT	

- REFERENCE DRAWING :**
- 1) BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS LKO-BASE MAP-2
 - 3) KEY PLAN LKO-KEY-1
 - 4) CATCHMENT AREA OF TRANS GOMTI RELIEF SEWER LKO-CA-TGRS

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY:	SAURABH MERA	APPROVED BY:	V.N.SANTAKKE
DRAWN	R.D.PARAB	SCALE	AS SHOWN
DESIGNED	N.D.JAGVEKAR	DATE	11-12-2004

CONSULTANTS:

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

TOKYO ENGINEERING CONSULTANTS CO., LTD.
CTI ENGINEERING INTERNATIONAL CO., LTD.
SHRI MERA PRIVATE LIMITED

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

SHEET CONTENTS:
PLAN AND PROFILE OF TRANS GOMTI RELIEF SEWER (4/6)

DRAWING NO.	LKO-PP-TGRS-4	SRNO.	52
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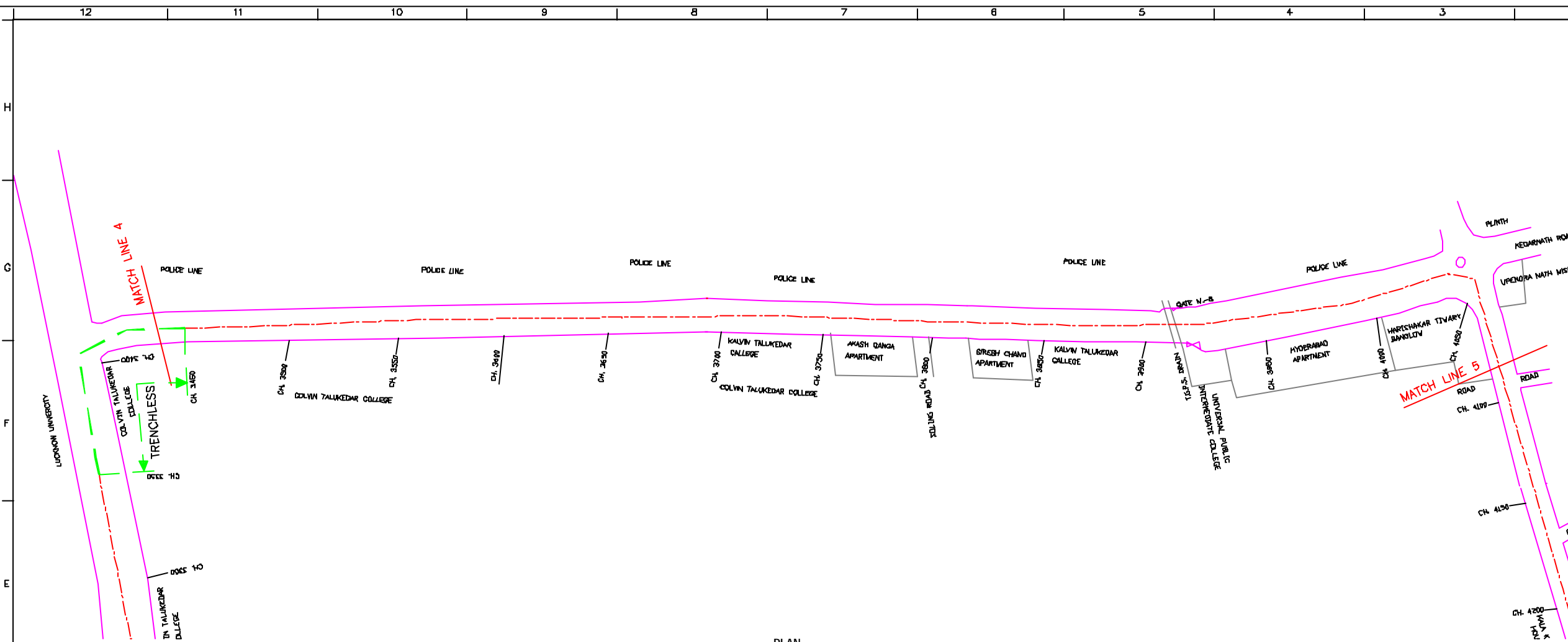


NOTE:
1) ALL THE LEVELS ARE IN METERS.

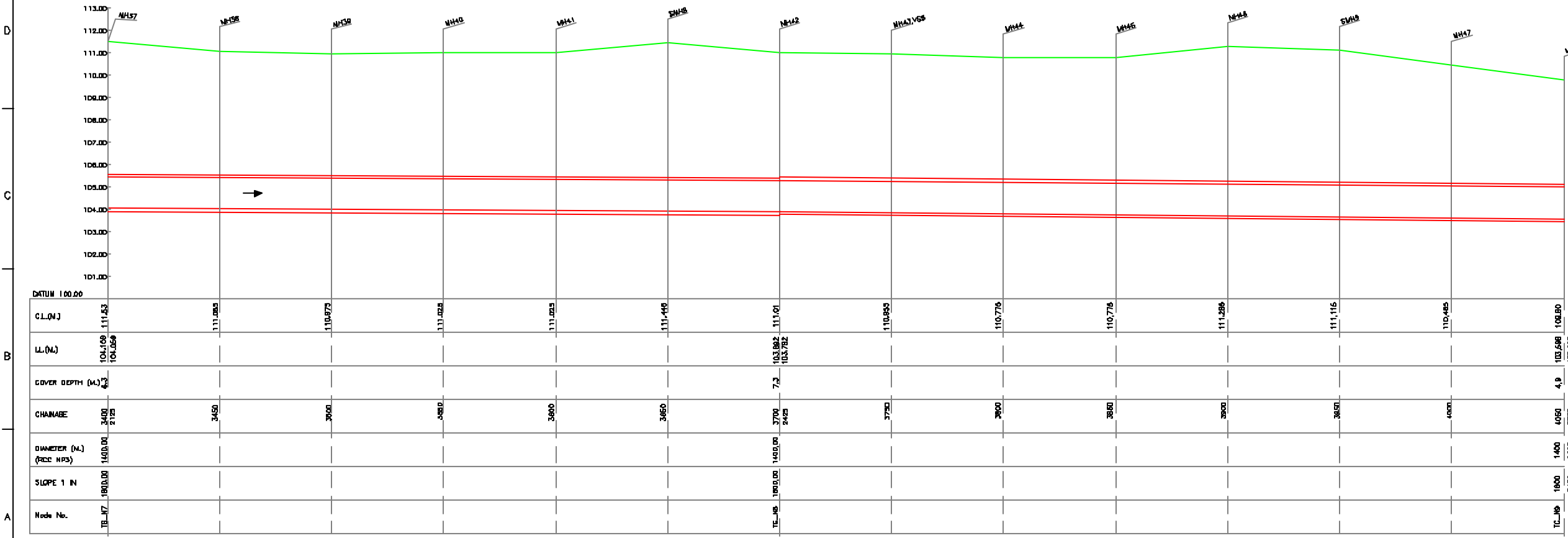
LEGEND

TRENCHLESS PROPOSED SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLANT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
MOBILE	
SPOT LEVEL	
NALLA	
TEMPORARY BEANCH MARK TBM-117.700 N.	
ORDINARY MH	
SCRAPER MH	
VENT SHAFT	

- REFERENCE DRAWING :**
- 1) BASE MAP WITH SEWERAGE ZONES LKO-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES LKO-BASE MAP-2
 - 3) KEY PLAN LKO-KEY-1
 - 4) CATCHMENT AREA OF TRANS GOMTI RELIEF SEWER LKO-CA-TGRS



PLAN
SCALE- 1 : 1000



L-SECTION
SCALE- HDR. 1 : 1000, VER. 1 : 100

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY:	BAJRABH MSRA	APPROVED BY:	V.N.SONTAKKE
DRAWN:	R.D.PARAB	SCALE:	AS SHOWN
DESIGNED:	N.D.JAGDEKAR	DATE:	11-12-2004
SURVEYED:	VERMA		

JICA INTERNATIONAL COOPERATION AGENCY

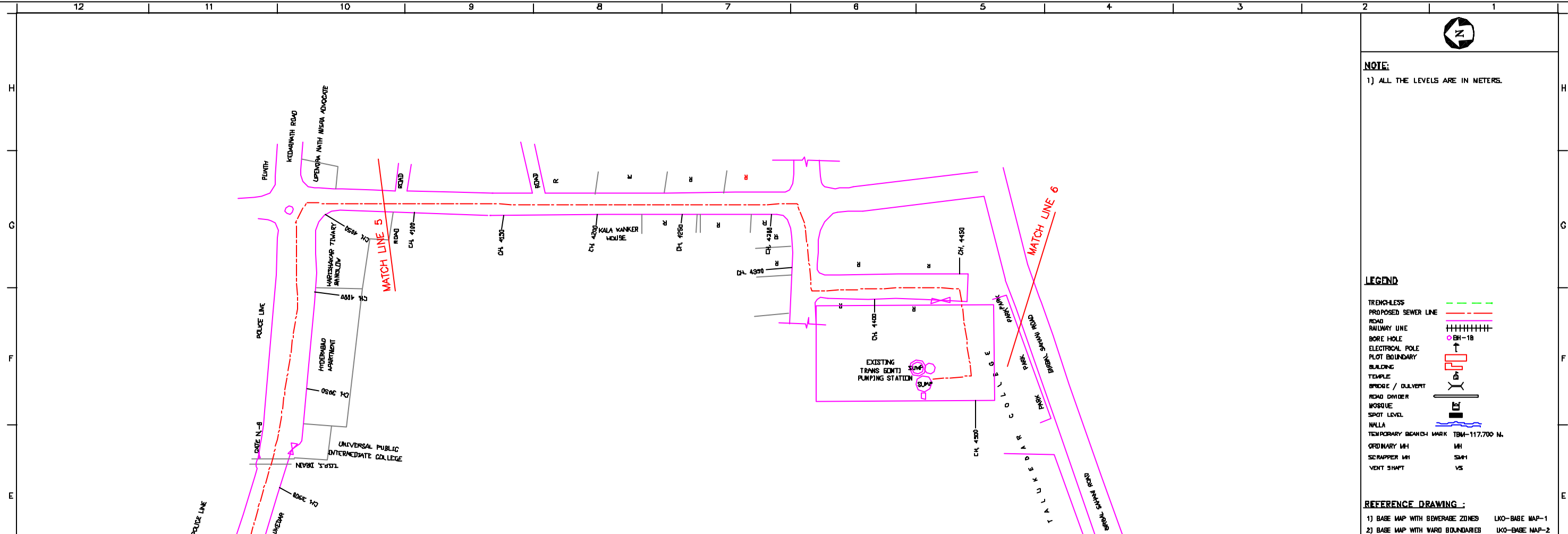
CONSULTANTS:

 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CITI ENGINEERING INTERNATIONAL CO., LTD.
 BVR INFRA PRIVATE LIMITED

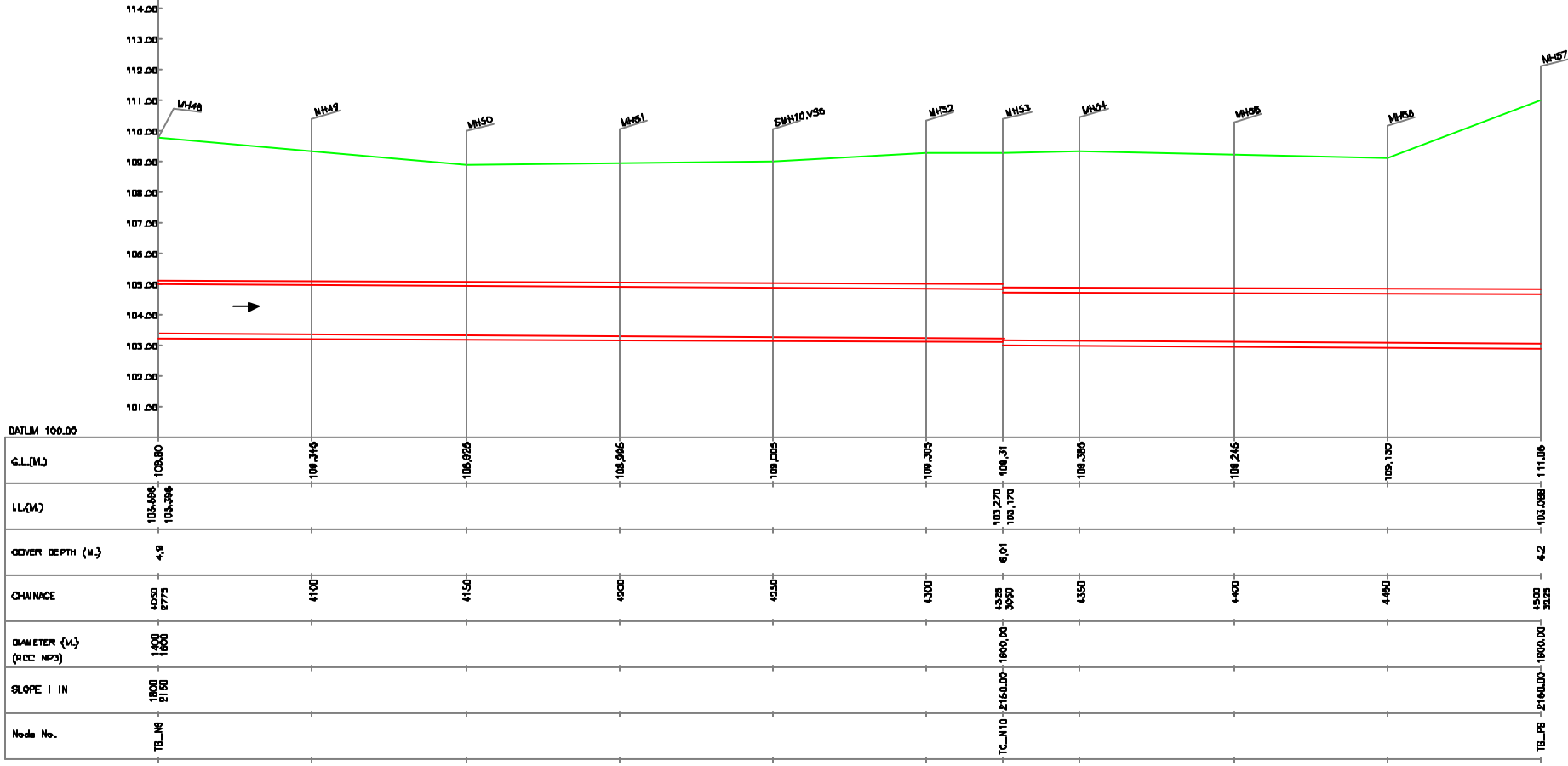
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR LUCKNOW CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF TRANS GOMTI RELIEF SEWER (5/6)

DRAWING NO.	LKO-PP-TGRS-5	SR. NO.	53
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PLAN
SCALE:- 1 : 1000



L-SECTION
SCALE:- HOR. 1 : 1000, VER. 1 : 100

NOTE:
1) ALL THE LEVELS ARE IN METERS.

LEGEND

- TRENCHLESS PROPOSED SEWER LINE
- ROAD
- RAILWAY LINE
- BORE HOLE
- ELECTRICAL POLE
- PLOT BOUNDARY
- BUILDING
- TEMPLE
- BRIDGE / DULVERT
- ROAD DIVIDER
- MOSQUE
- SPOT LEVEL
- NALLA
- TEMPORARY BEANCH MARK TBM-117.700 N.
- ORDINARY MH
- SCRAPPER MH
- VENT SHAFT

REFERENCE DRAWING :

- 1) BASE MAP WITH BEVERAGE ZONES LKO-BASE MAP-1
- 2) BASE MAP WITH WARD BOUNDARIES LKO-BASE MAP-2
- 3) KEY PLAN LKO-KEY-1
- 4) CATCHMENT AREA OF TRANS GOMTI RELIEF SEWER LKO-CA-TGRS

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

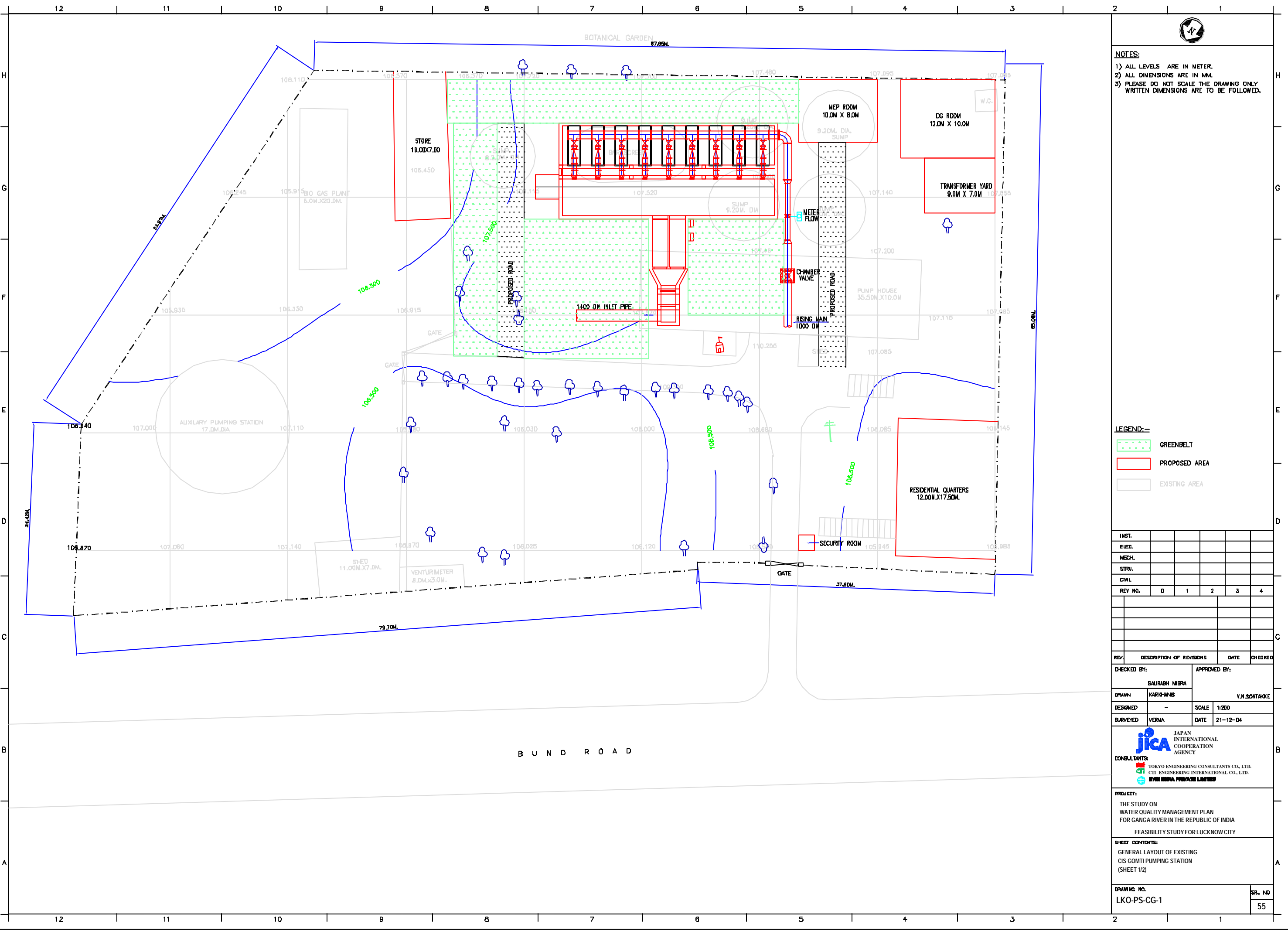
CHECKED BY: BALRABH MISRA	APPROVED BY: V.N.SANTAKKE
DRAWN R.D.PARAB	SCALE AS SHOWN
DESIGNED N.D.NAGVEKAR	DATE 11-12-2004

CONSULTANTS:

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

SHEET CONTENTS:
PLAN AND PROFILE OF TRANS GOMTI RELIEF SEWER (6/6)

DRAWING NO. LKO-PP-TGRS-6	SR. NO. 54
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NOTES:
 1) ALL LEVELS ARE IN METER.
 2) ALL DIMENSIONS ARE IN M.M.
 3) PLEASE DO NOT SCALE THE DRAWING ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.

LEGEND:-
 GREENBELT
 PROPOSED AREA
 EXISTING AREA

REV. NO.	0	1	2	3	4
INST.					
ELEC.					
MECH.					
STRV.					
CIVL.					
REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED		

CHECKED BY:		APPROVED BY:	
BAURABH MIBRA		V.N.SCHTAKKE	
DRAWN:	KARKHANS	SCALE:	1:200
DESIGNED:	-	DATE:	21-12-04
SURVEYED:	VERNA		

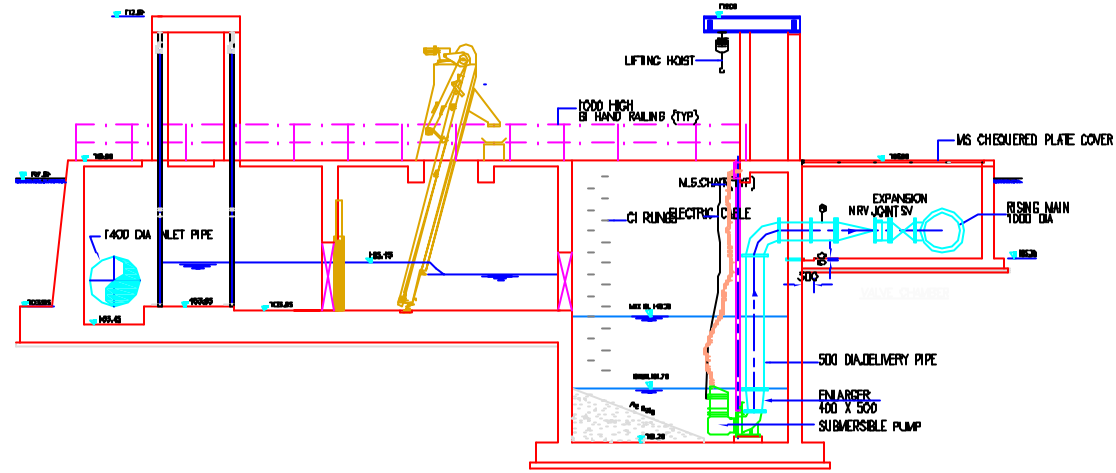
CONSULTANTS:
 JAPAN INTERNATIONAL COOPERATION AGENCY
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 C.T.I. ENGINEERING INTERNATIONAL CO., LTD.
 MIBRA PRAKASHI LIMITED

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

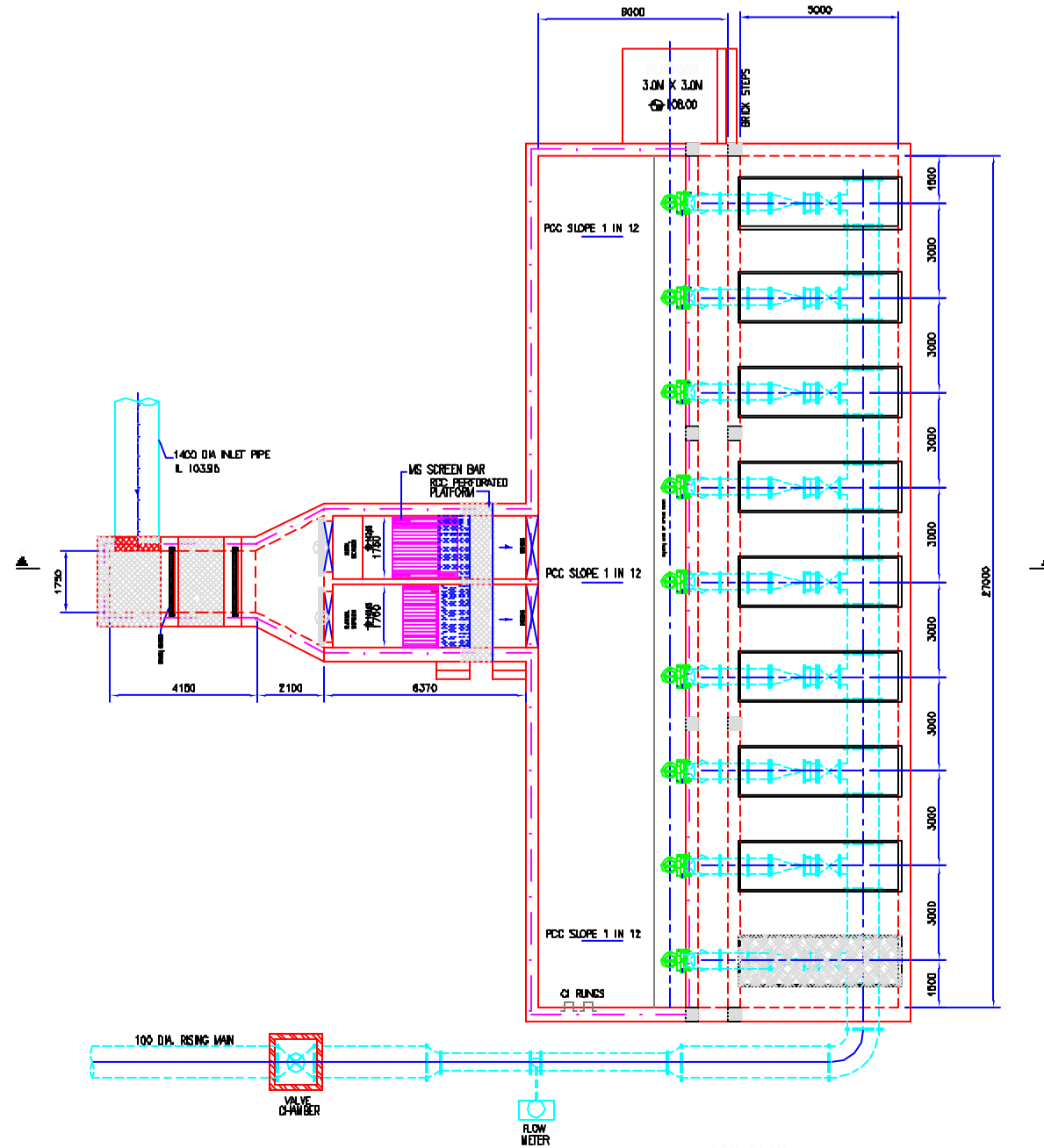
SHEET CONTENTS:
 GENERAL LAYOUT OF EXISTING CIS GOMTI PUMPING STATION (SHEET 1/2)

DRAWING NO.
 LKO-PS-CG-1

SR. NO.
 55



SECTION A-A



TOP PLAN

- NOTES:
- 1) ALL LEVELS ARE IN METER.
 - 2) ALL DIMENSIONS ARE IN MM.
 - 3) PLEASE DO NOT SCALE THE DRAWING ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.

INST.					
ELEC.					
MECH.					
STRA.					
CIVL.					
REV. NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY:		APPROVED BY:	

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS:

- TOKYO ENGINEERING CONSULTANTS CO., LTD.
- CTI ENGINEERING INTERNATIONAL CO., LTD.
- SHYAM MISHRA PRIVATE LIMITED

PROJECT:

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

FEASIBILITY STUDY FOR LUCKNOW CITY

SHEET CONTENTS:

GENERAL ARRANGEMENT OF CIS GOMTI PUMPING STATION (SHEET 2/2)

DRAWING NO.	SR NO
LKO-PS-CG-2	56



NOTES:
 1) ALL LEVELS ARE IN METER.
 2) ALL DIMENSIONS ARE IN MM.
 3) PLEASE DO NOT SCALE THE DRAWING ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.

LEGEND:-
 GREENBELT

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

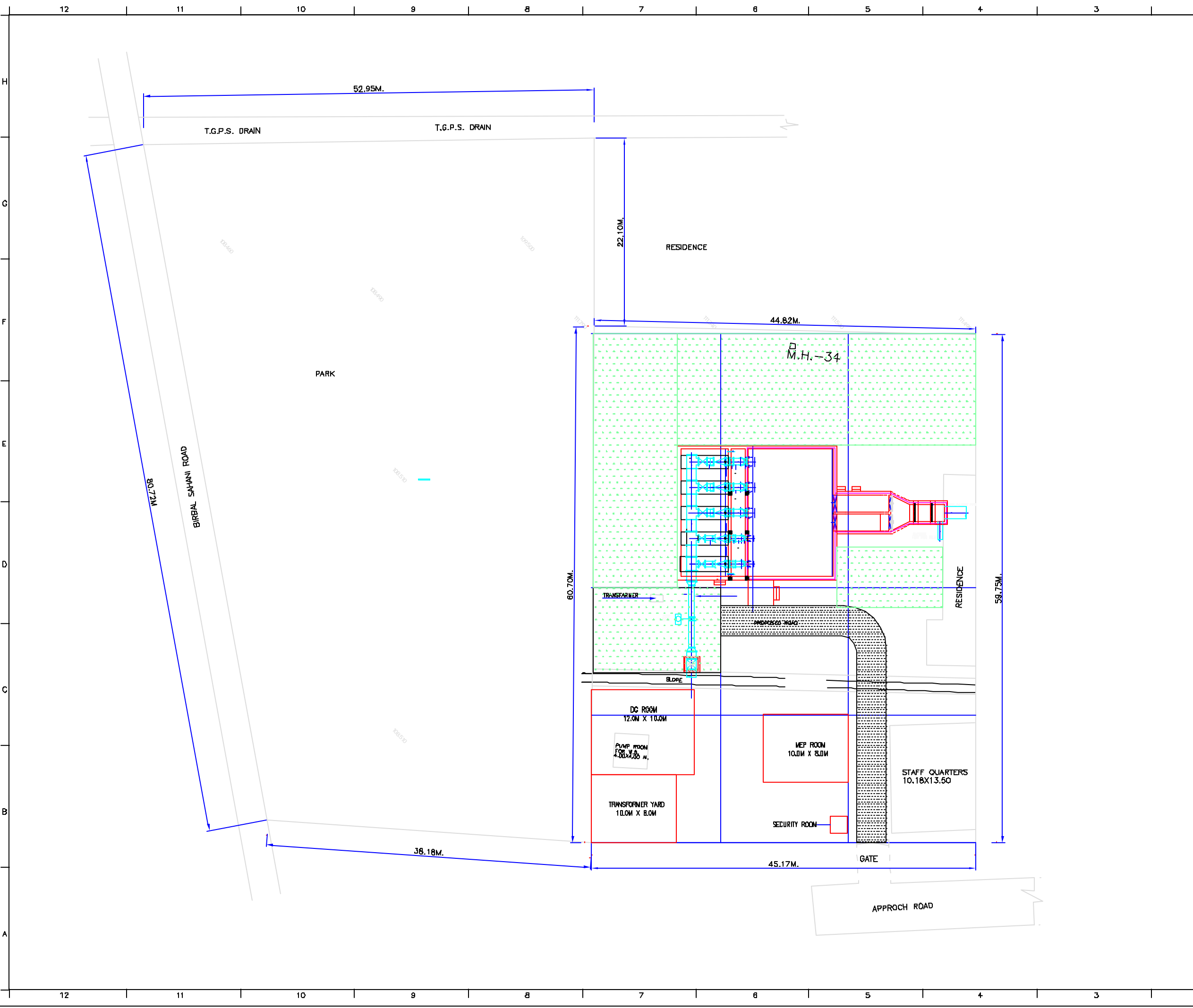
CHECKED BY:		APPROVED BY:	
P.N. PABREKAR		V.N. SONTAKKE	
DRAWN	D.S. KURDEKAR	SCALE	1:200
DESIGNED	P.N. PABREKAR	DATE	18-12-04
SURVEYED	VERMA		

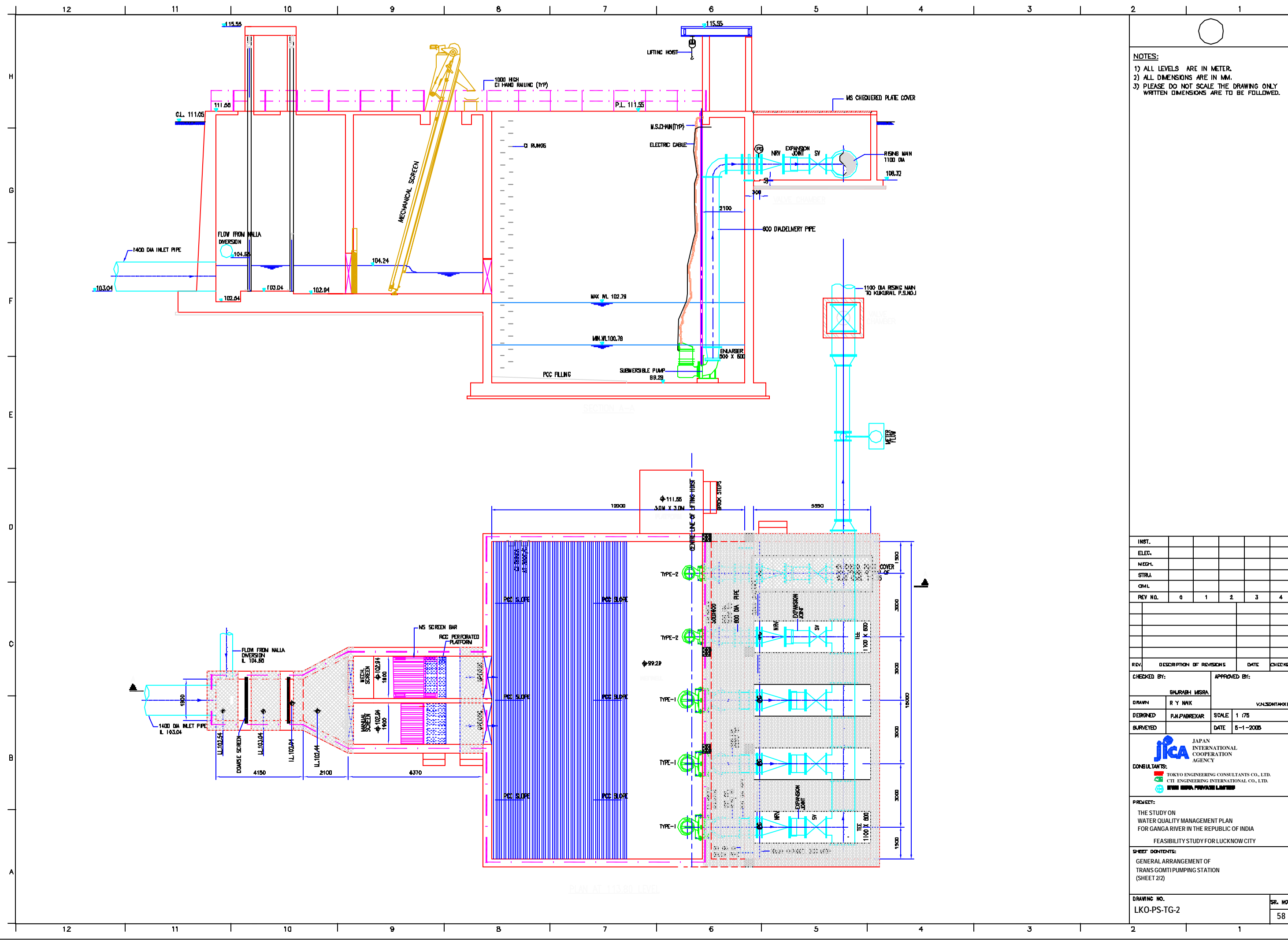
JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANTS:


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

SHEET CONTENTS:
 GENERAL LAYOUT OF TRANS GOMTI PUMPING STATION (SHEET 1/2)

DRAWING NO. LKO-PS-TG-1	SER. NO. 57
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NOTES:
 1) ALL LEVELS ARE IN METER.
 2) ALL DIMENSIONS ARE IN MM.
 3) PLEASE DO NOT SCALE THE DRAWING ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.

INST.					
ELEC.					
MED-L					
STR-L					
CIVL					
REV NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY:	BAURABH MISRA	APPROVED BY:	V.N.SONTAKKE
DRAWN:	R.Y. NAIK	SCALE:	1/75
DESIGNED:	P.N. PABREKAR	DATE:	5-1-2008
SURVEYED:			

CONSULTANTS:

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SURESH PRAKASH LIMITED

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

SHEET CONTENTS:
 GENERAL ARRANGEMENT OF TRANS GOMTI PUMPING STATION (SHEET 2/2)