



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.



L-SECTION
 SCALE- 1 : 1000

LEGEND

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

REFERENCE DRAWING :
 1) BASE MAP WITH BEWERAGE ZONES KAN-BASE MAP-1
 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 3) KEY PLAN KAN-KP-1
 4) CATCHMENT AREA OF DISTRICT-1 KAN-CA-01-2

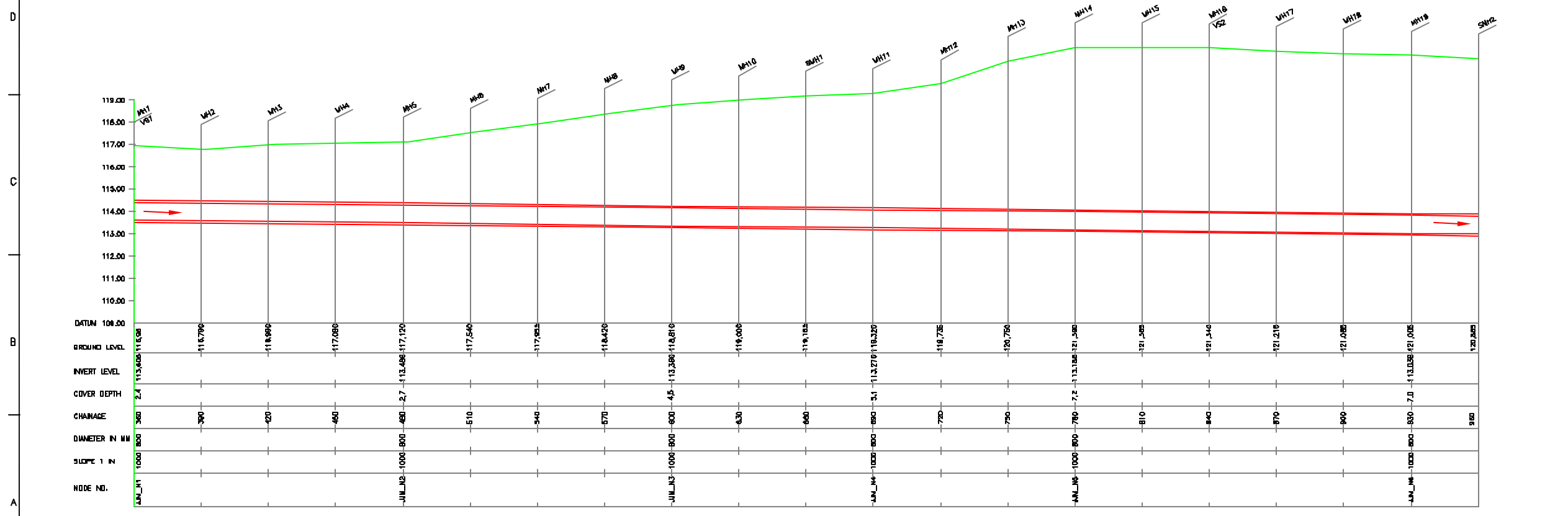
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ELEC.					
MECH.					
STR.					
CIVIL					
REV. NO.	0	1	2	3	4

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CHECKED BY:	JUNAED KHAN		
APPROVED BY:	V.N.SONTHAKKE		
DRAWN:	D.B.KURDOKAR	SCALE:	AS SHOWN
DESIGNED:	N.D.NAICHEKAR	DATE:	12-01-2006
SURVEYED:	KUMAR SURVEY		

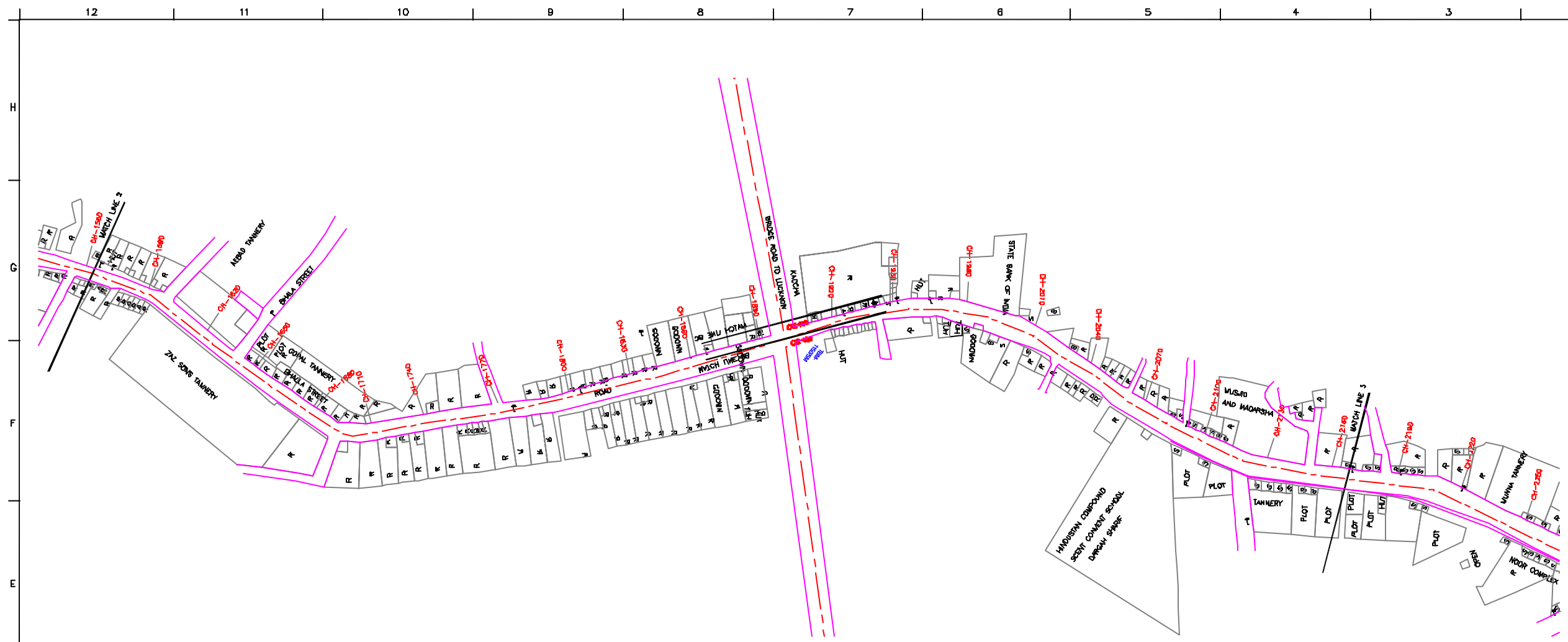
CONSULTANTS:

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

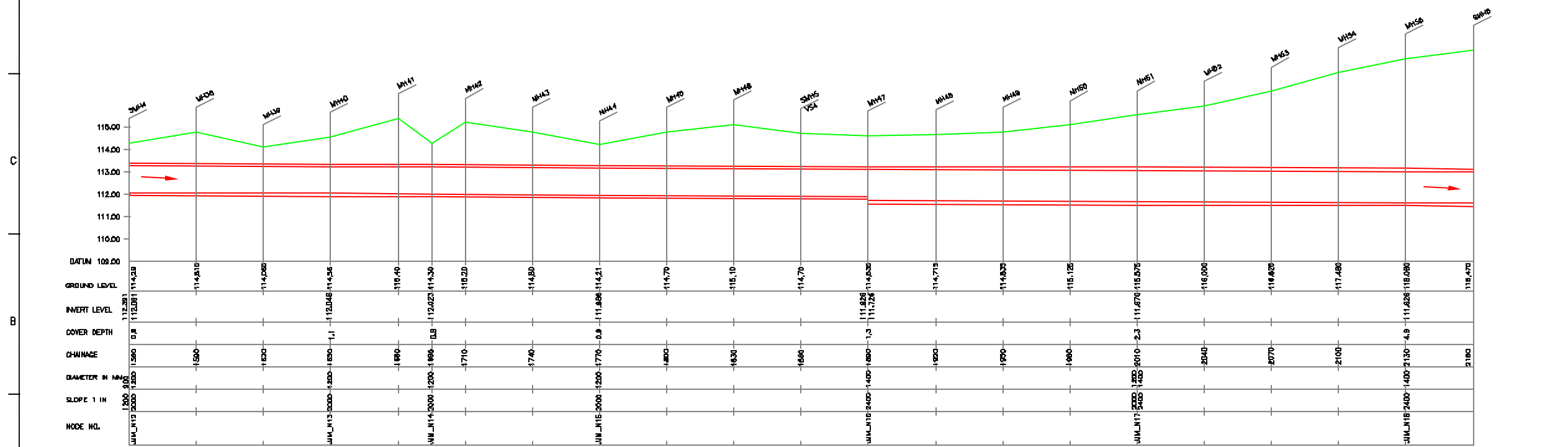
SHEET CONTENTS:
 PLAN AND PROFILE OF MAIN SEWER FROM PURANI CHUNGI TO CSPS (SHEET 1/17)



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



PLAN
SCALE= 1 : 1000



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

NOTE:
1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
2) ALL THE LEVELS ARE IN METERS.

LEGEND

PROPOSED SEWER LINE	
RISE MAIN	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
MOSQUE	
SPOT LEVEL	11.110
NALLA	
TEMPORARY BENCH MARK	TBM-117.700 N.
ORDINARY MANHOLE	MH
SCRAPER MANHOLE	SMH
VENT SHAFT	VS

REFERENCE DRAWING :
1) BASE MAP WITH BEVERAGE ZONES KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
3) KEY PLAN KAN-KP-1
4) CATCHMENT AREA OF DISTRICT-1 KAN-CA-01-2

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY:	JUNAED KHAN		
APPROVED BY:	V.N.SONTAKKE		
DRAWN:	D.B.KURDOKAR	SCALE:	AS SHOWN
DESIGNED:	N.D.NAYEKAR	DATE:	12-01-2006
SURVEYED:	KUMAR SURVEY		

CONSULTANTS:

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

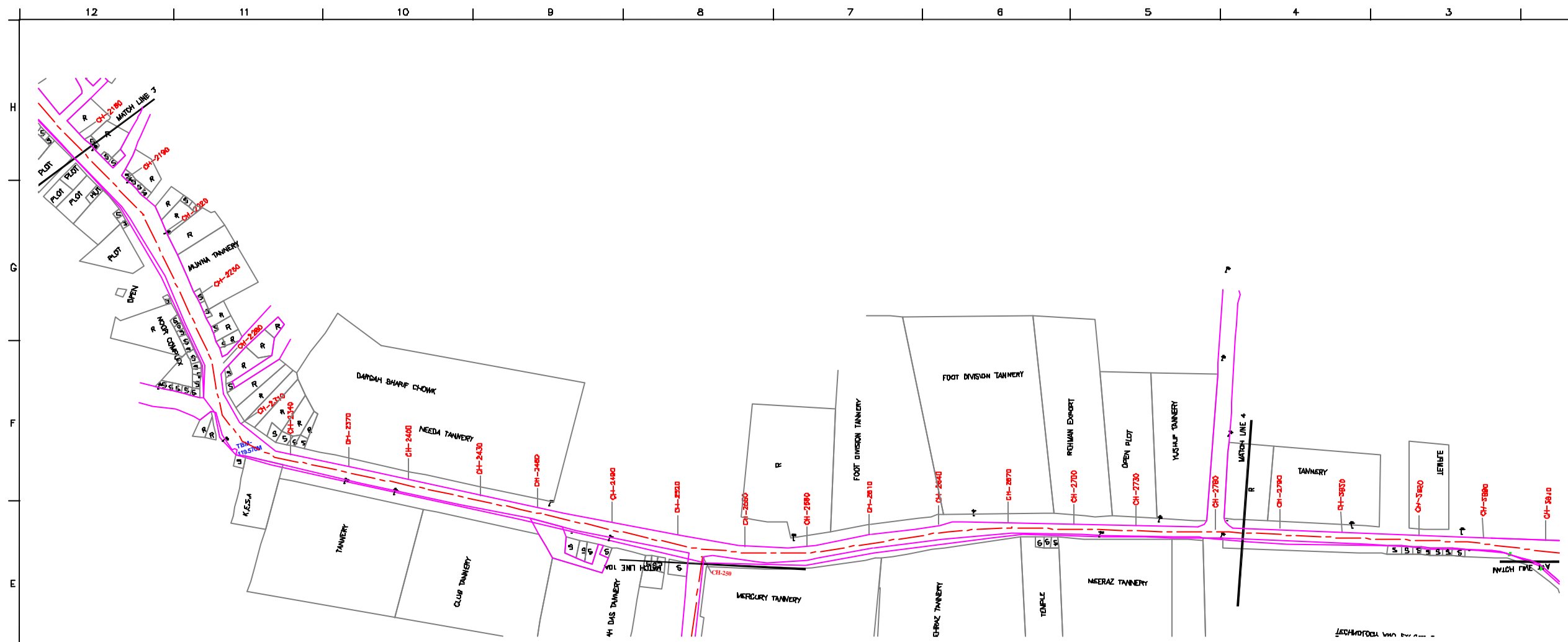
TEC TOKYO ENGINEERING CONSULTANTS CO., LTD.

CEI CITI ENGINEERING INTERNATIONAL CO., LTD.

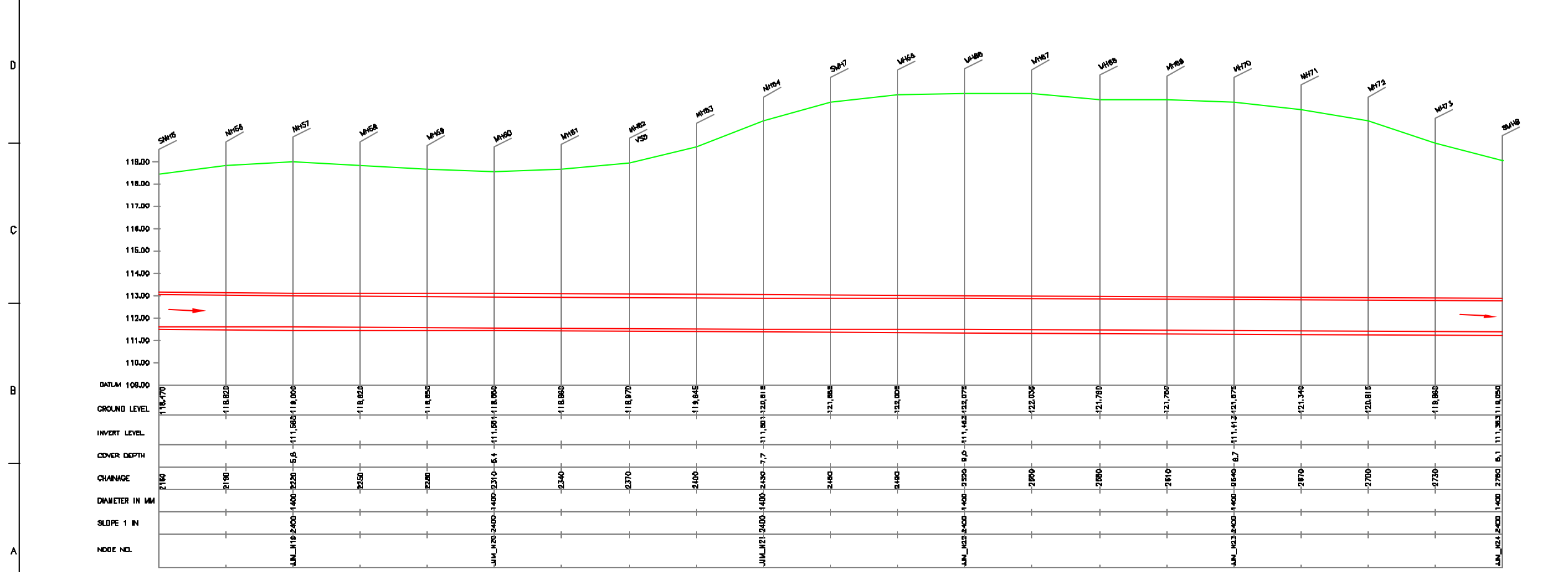
STV STV ENGINEERING PRIVATE LIMITED

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

SHEET CONTENTS:
PLAN AND PROFILE OF MAIN SEWER FROM PURANI CHUNGI TO CSPS (SHEET 3/17)



SCALE = 1 : 1000



L-SECTION

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

NOTE:

- 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
- 2) ALL THE LEVELS ARE IN METERS.

LEGEND

- PROPOSED SEWER LINE
- RIISING MAIN
- ROAD
- RAILWAY LINE
- BORE HOLE
- ELECTRICAL POLE
- PLOT BOUNDARY
- BUILDING
- TEMPLE
- BRIDGE / CULVERT
- ROAD DIVIDER
- MOSQUE
- SPIT LEVEL
- NALLA
- TEMPORARY BEANCH MARK
- ORDINARY MANHOLE
- SCRAPER MANHOLE
- VENT SHAFT

REFERENCE DRAWING :

- 1) BASE MAP WITH BEWERAGE ZONES KAN-BASE MAP-1
- 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
- 3) KEY PLAN KAN-KP-1
- 4) CATCHMENT AREA OF DISTRICT-1 KAN-CA-01-2

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY: JUNAED KHAN
 APPROVED BY: V.N.SONTAKKE

DRAWN: D.B.KURDOKAR
 DESIGNED: N.D.NAYEKAR
 SURVEYED: KUMAR SURVEY

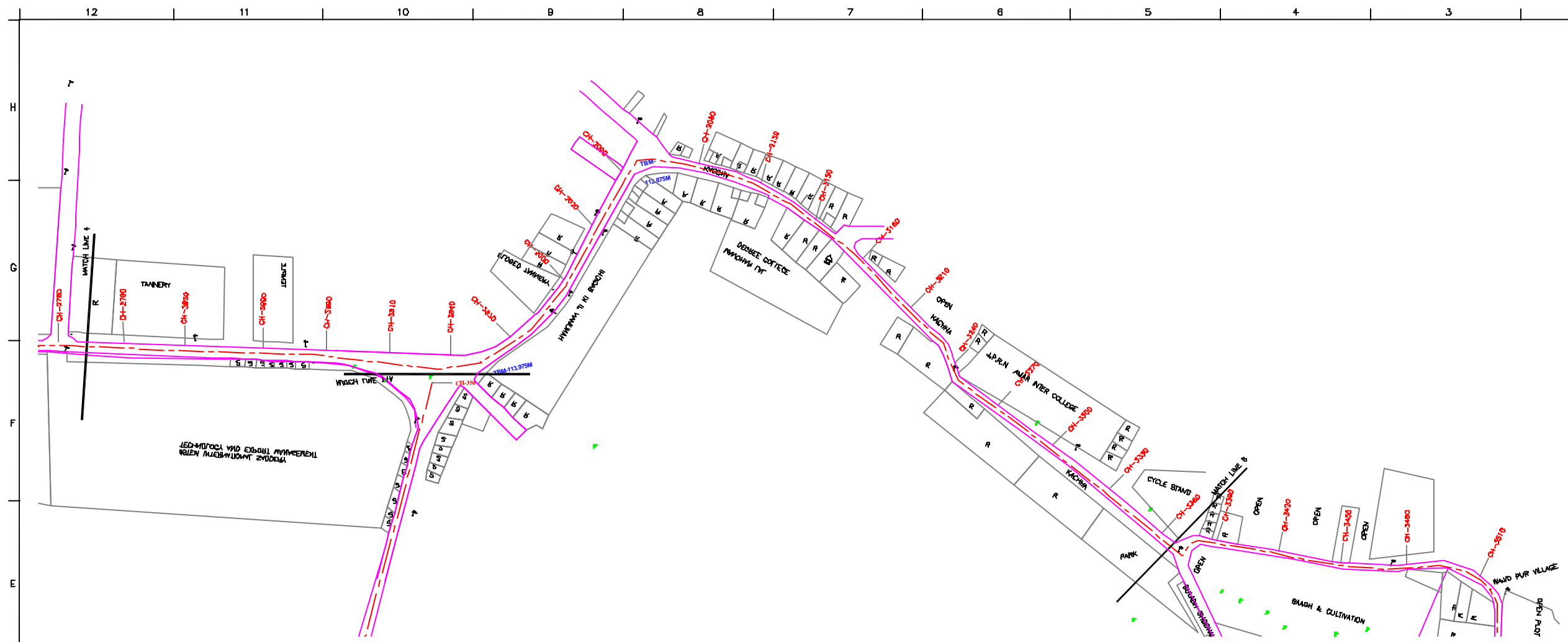
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JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTI ENGINEERING INTERNATIONAL CO., LTD.
 CIVIL ENGINEERING PRIVATE LIMITED

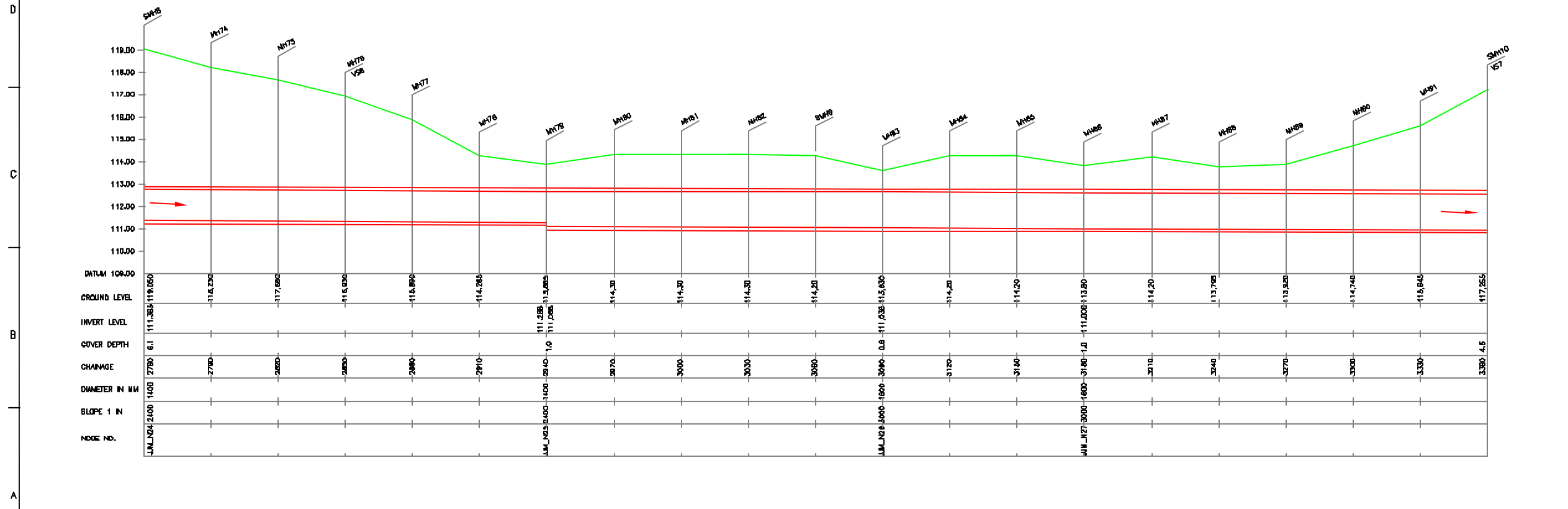
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR KANPUR CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF MAIN SEWER FROM PURANI CHUNGI TO CSPTS (SHEET 4/17)

DRAWING NO. KAN-PP-PC-4
 SHEET NO. 28



L-SECTION
SCALE- 1 : 1000



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

NOTE:
1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
2) ALL THE LEVELS ARE IN METERS.

LEGEND

PROPOSED SEWER LINE	---
RISING MAIN	---
ROAD	---
RAILWAY LINE	|||||
BORE HOLE	○ BH-10
ELECTRICAL POLE	⊥
PLOT BOUNDARY	---
BUILDING	▭
TEMPLE	⊥
BRIDGE / CULVERT	⊥
ROAD DIVIDER	---
MOSQUE	⊥
SPOT LEVEL	11.800
NALLA	---
TEMPORARY BENCH MARK	TBM-117.700 M.
ORDINARY MANHOLE	MH
SCRAPER MANHOLE	SMH
VENT SHAFT	VS

REFERENCE DRAWING :
1) BASE MAP WITH BEWERAGE ZONES KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
3) KEY PLAN KAN-KP-1
4) CATCHMENT AREA OF DISTRICT-1 KAN-CA-01-2

INST.				
ELEC.				
MEDL.				
STRA.				
CIVL.				
REV. NO.	0	1	2	3

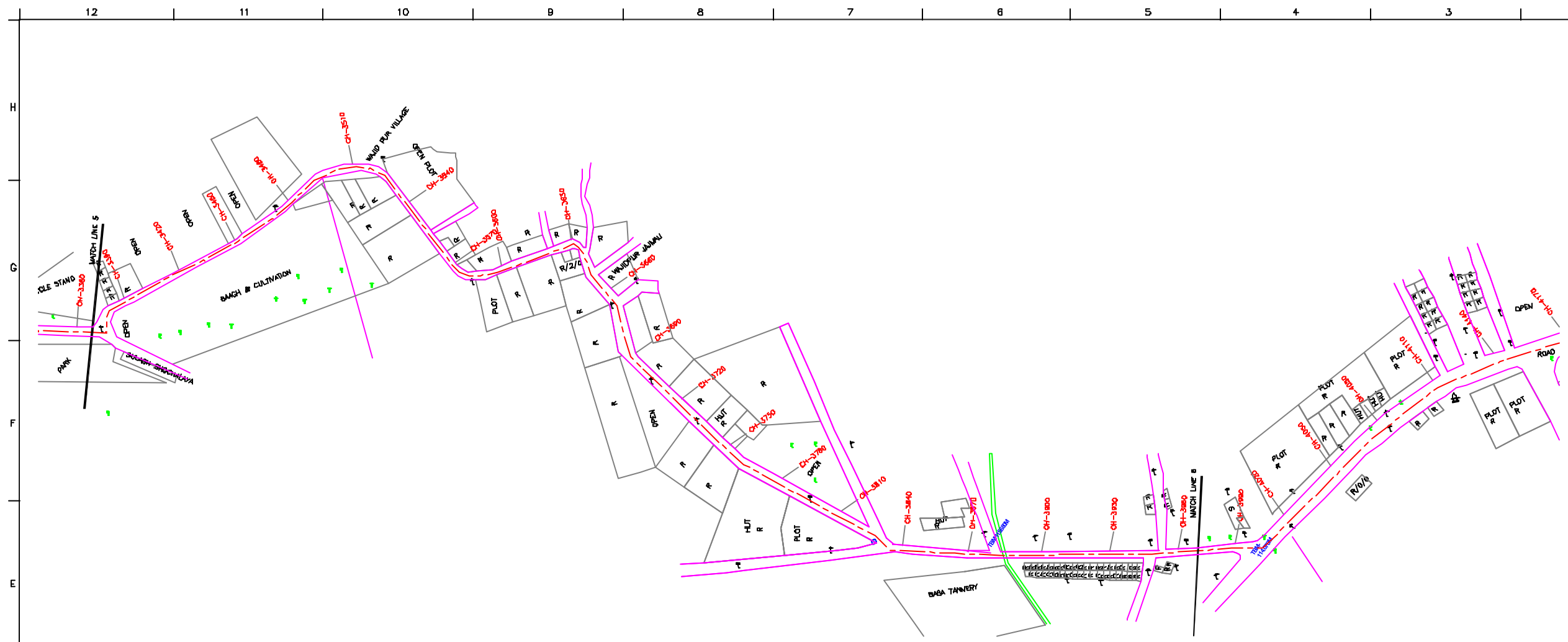
CHECKED BY: JONAIED KHAN
APPROVED BY: V.N.SONTAKKE

DESIGNED: N.D.NAGYEGAR
SCALE: AS SHOWN
SURVEYED: KUMAR SURVEY
DATE: 11-01-2006

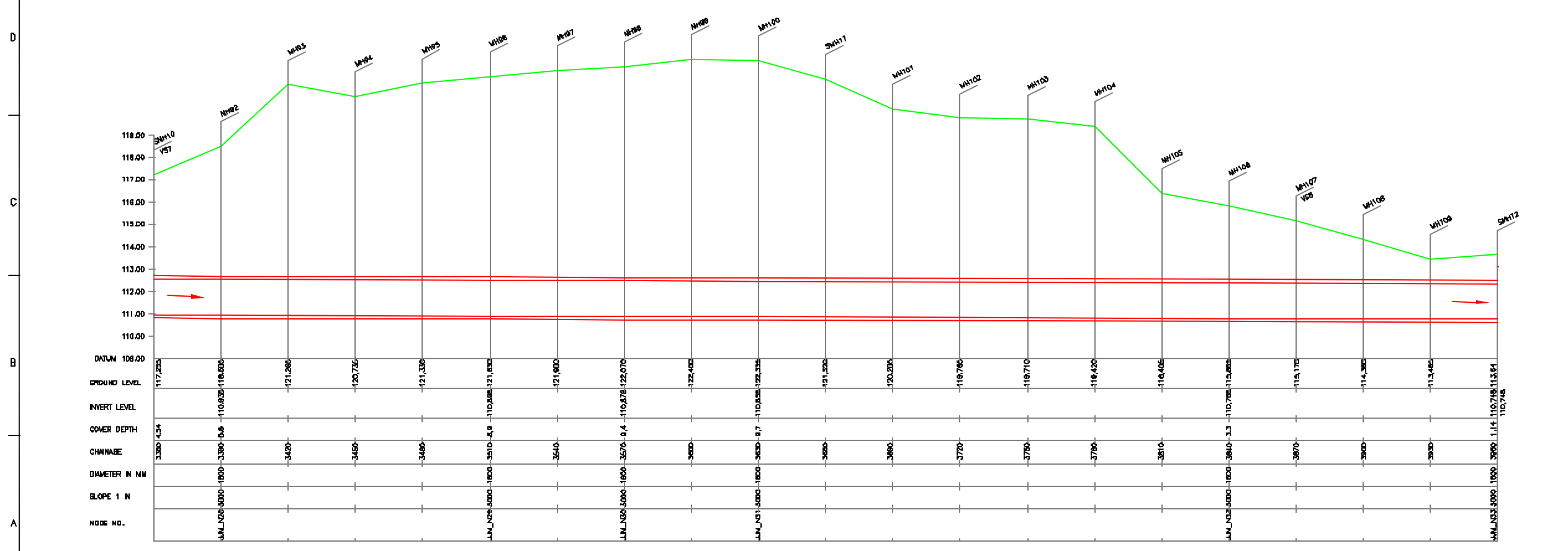
JICA INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
TOKYO ENGINEERING CONSULTANTS CO., LTD.
CTI ENGINEERING INTERNATIONAL CO., LTD.
SHYAM SUDHAN PRASAD LIMITED

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

SHEET CONTENTS:
PLAN AND PROFILE OF MAIN SEWER FROM PURANI CHUNGI TO CSPS (SHEET 5/17)



PLAN
SCALE = 1 : 1000



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

NOTE:
1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
2) ALL THE LEVELS ARE IN METERS.

LEGEND

- PROPOSED SEWER LINE (Red dashed line)
- RISING MAIN (Blue dashed line)
- ROAD (Black solid line)
- RAILWAY LINE (Black line with cross-ticks)
- BORE HOLE (Pink circle with 'BH-10')
- ELECTRICAL POLE (Black symbol)
- PLOT BOUNDARY (Black outline)
- BUILDING (Black outline)
- TEMPLE (Black symbol)
- BRIDGE / CULVERT (Black symbol)
- ROAD DIVIDER (Black symbol)
- MOSQUE (Black symbol)
- SPOT LEVEL (Black symbol)
- NALLA (Blue wavy line)
- TEMPORARY BEANCH MARK (Black symbol)
- ORDINARY MANHOLE (Black symbol)
- SCRAPER MANHOLE (Black symbol)
- VENT SHAFT (Black symbol)

REFERENCE DRAWING :

- BASE MAP WITH BEWERAGE ZONES KAN-BASE MAP-1
- BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
- KEY PLAN KAN-KP-1
- CATCHMENT AREA OF DISTRICT-1 KAN-CA-01-2

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
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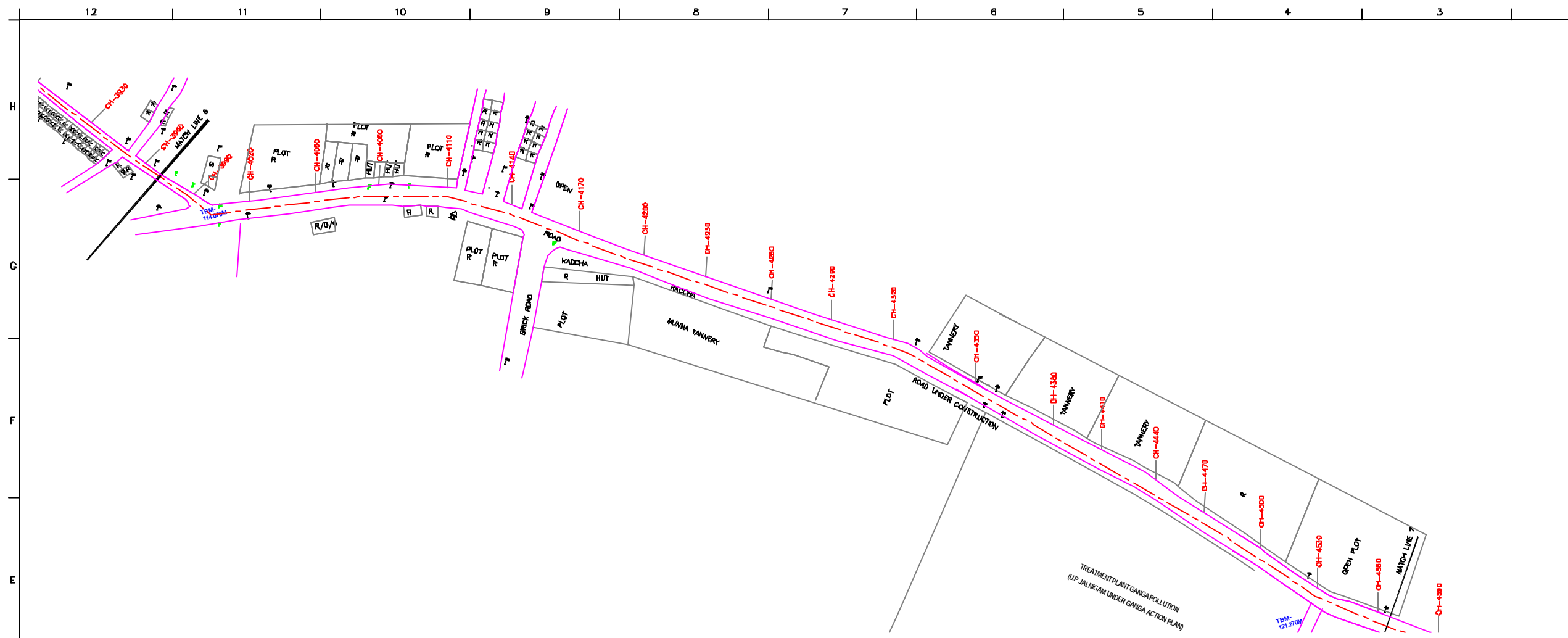
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CHECKED BY:	JONAIED KHAN	APPROVED BY:	V.N.SONTAKKE
DRAWN:	D.B.KURDOKAR	SCALE:	AS SHOWN
DESIGNED:	N.D.NAYEKAR	DATE:	11-01-2006
SURVEYED:	KUMAR SURVEY		

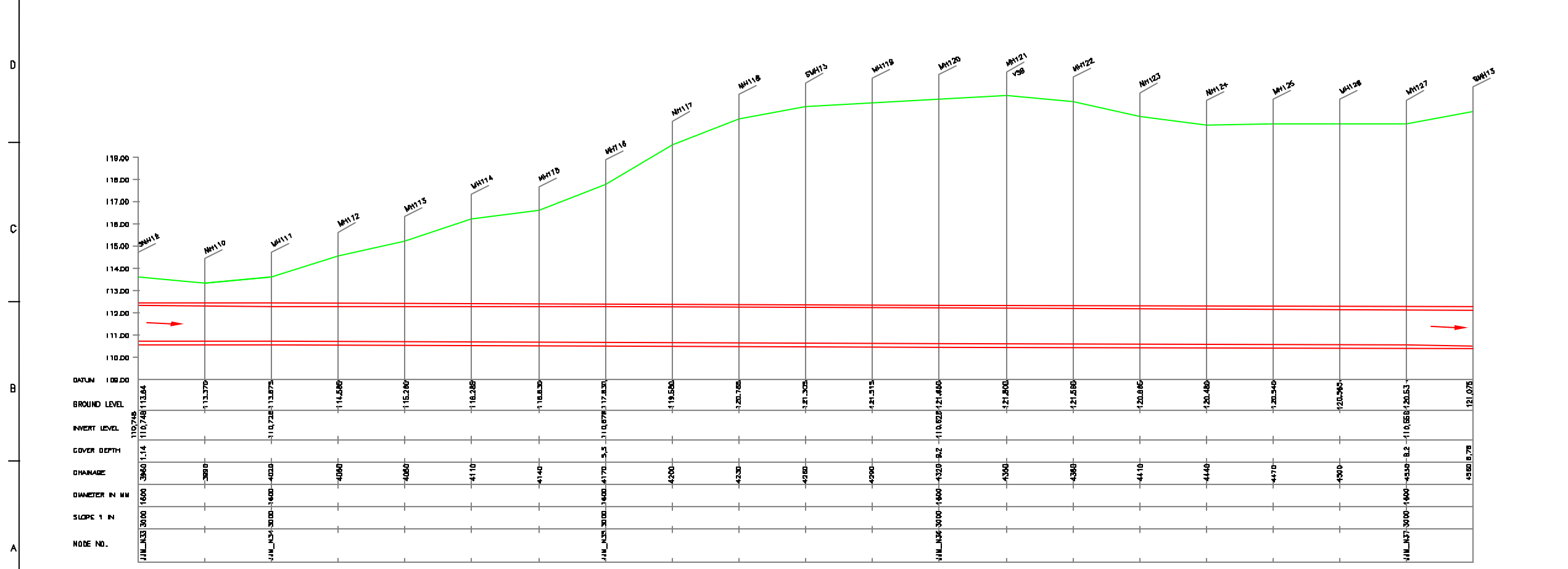
JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTI ENGINEERING INTERNATIONAL CO., LTD.
 SHYAM PRASAD PRAKASHI LIMITED

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

SHEET CONTENTS:
PLAN AND PROFILE OF MAIN SEWER FROM PURANI CHUNGI TO CSPS (SHEET 6/17)



PLAN
SCALE- 1 : 1000



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

NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

- PROPOSED SEWER LINE
- RIISING MAIN
- ROAD
- RAILWAY LINE
- BORE HOLE
- ELECTRICAL POLE
- PLOT BOUNDARY
- BUILDING
- TEMPLE
- BRIDGE / CULVERT
- ROAD DIMDER
- MOSQUE
- SPIT LEVEL
- NALLA
- TEMPORARY BEANCH MARK
- ORDINARY MANHOLE
- SCRAPER MANHOLE
- VENT SHAFT

REFERENCE DRAWING :
 1) BASE MAP WITH BEVERAGE ZONES KAN-BASE MAP-1
 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 3) KEY PLAN KAN-KP-1
 4) CATCHMENT AREA OF DISTRICT-1 KAN-CA-01-2

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY: JUNAED KHAN
 APPROVED BY: V.N.SONTHAKKE

DRAWN: D.B.KURDOKAR
 DESIGNED: N.D.NAYEKAR
 SURVEYED: KUMAR SURVEY

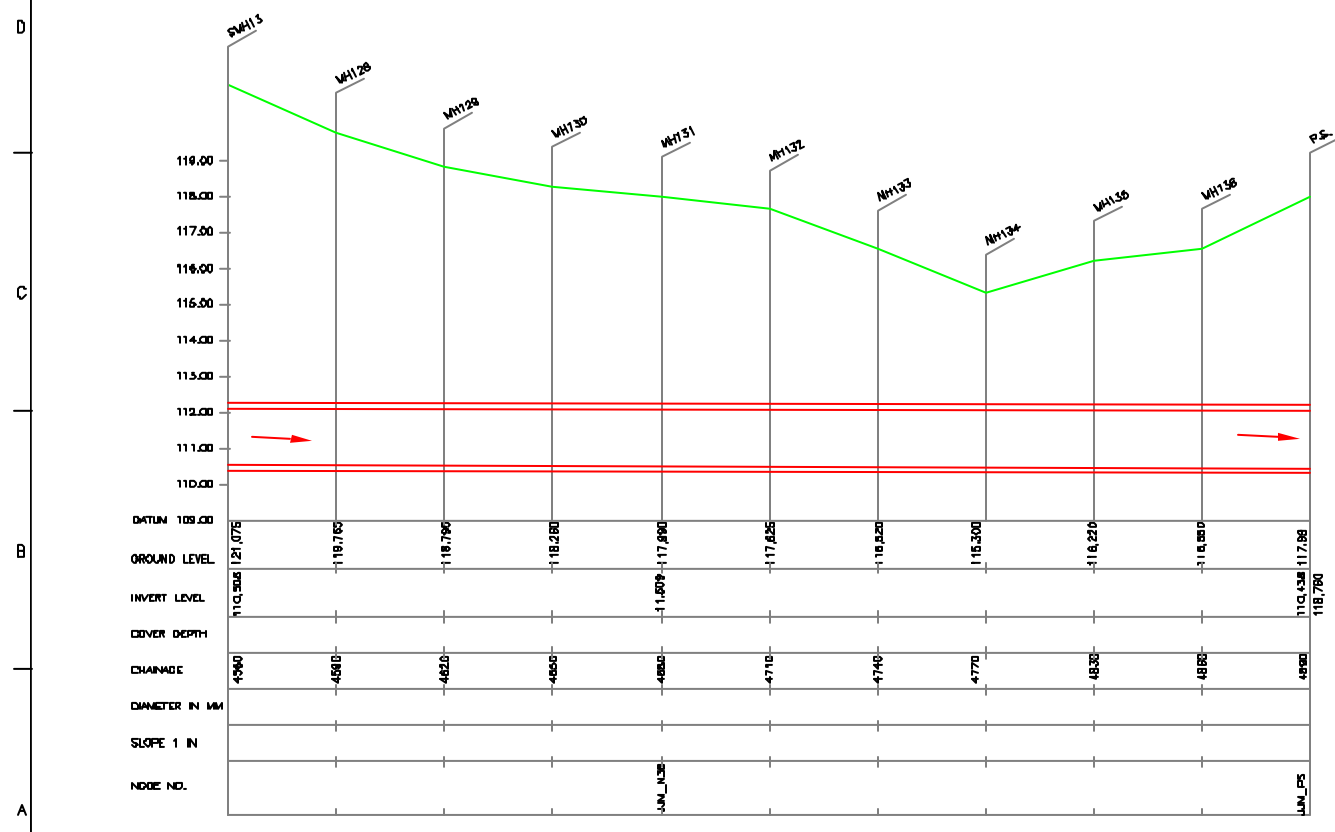
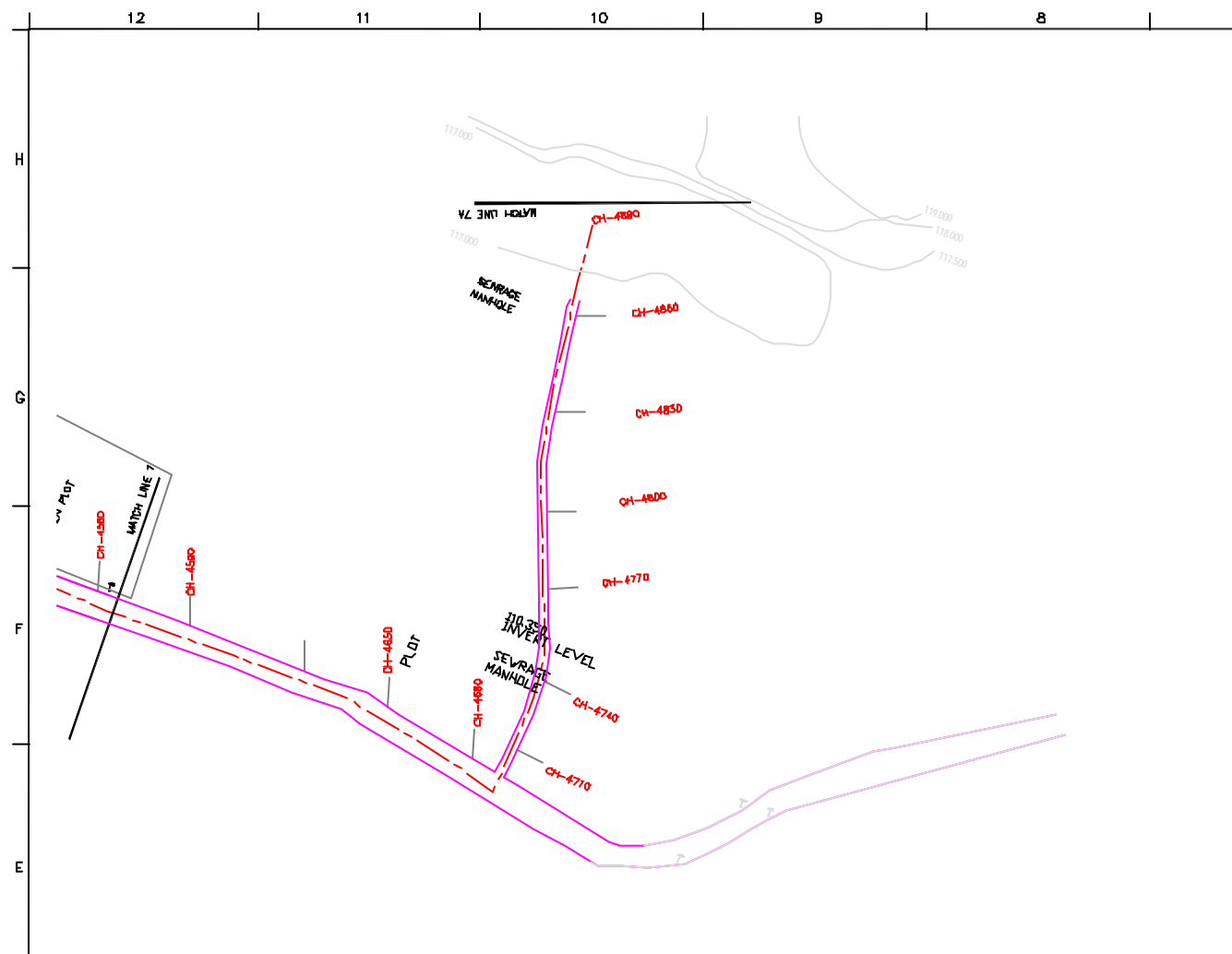
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 DATE: 11-01-2006

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

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

SHEET CONTENTS:
 PLAN AND PROFILE OF MAIN SEWER FROM PURANI CHUNGI TO CSPS (SHEET 7/17)

DRAWING NO. KAN-PP-PC-7
 SR. NO. 31



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

PROPOSED SEWER LINE	---
RISING MAIN	---
ROAD	---
RAILWAY LINE	+
BORE HOLE	○ BH-10
ELECTRICAL POLE	+
PLOT BOUNDARY	---
BUILDING	---
TEMPLE	---
BRIDGE / CULVERT	---
ROAD DIVIDER	---
MOSQUE	---
SPLIT LEVEL	11.800
NALLA	---
TEMPORARY BENCH MARK	TBM-117.700 M.
ORDINARY MANHOLE	MH
SCRAPER MANHOLE	SMH
VENT SHAFT	VS

REFERENCE DRAWING :
 1) BASE MAP WITH BEWERAGE ZONES KAN-BASE MAP-1
 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 3) KEY PLAN KAN-KP-1
 4) CATCHMENT AREA OF DISTRICT-1 KAN-CA-01-2

INST.					
ELEC.					
MEDL.					
STR.					
CIVL.					
REV. NO.	0	1	2	3	4

CHECKED BY:	JONAEED KHAN	APPROVED BY:	V.N.SONTAKKE
DRAWN:	D.B.KURODKAR	SCALE:	AS SHOWN
DESIGNED:	N.D.NAYEKAR	DATE:	11-01-2004
SURVEYED:	KUMAR SURVEY		

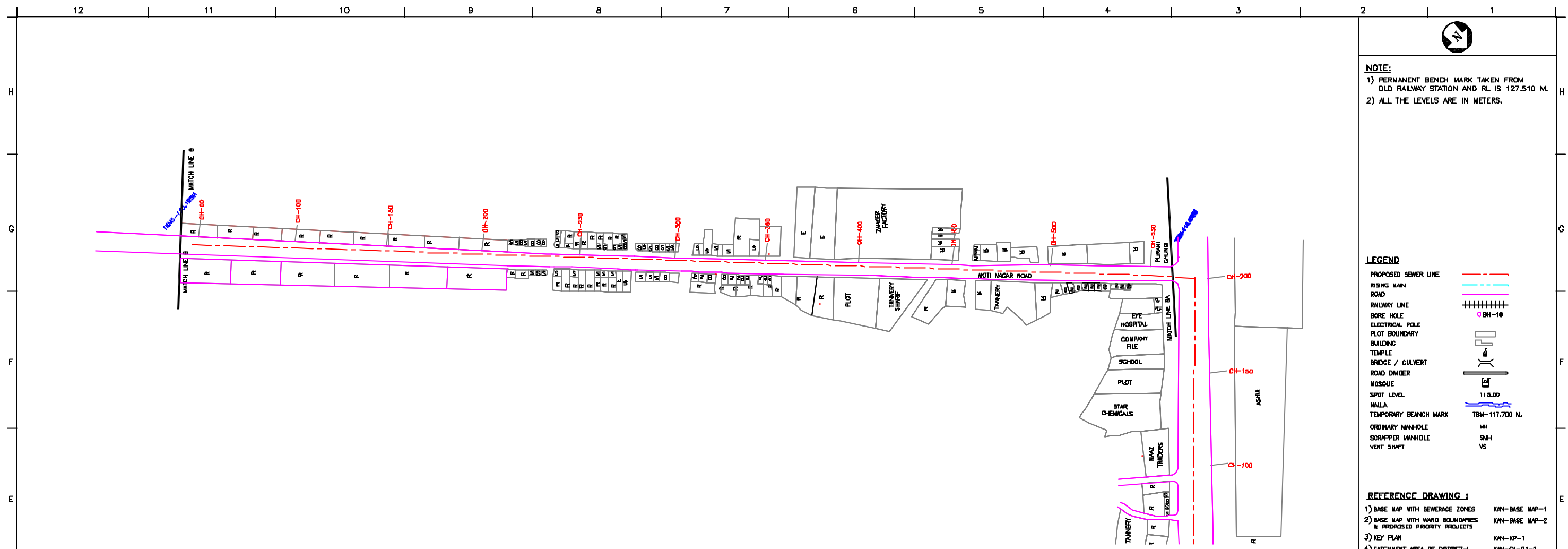
CONSULTANTS:

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

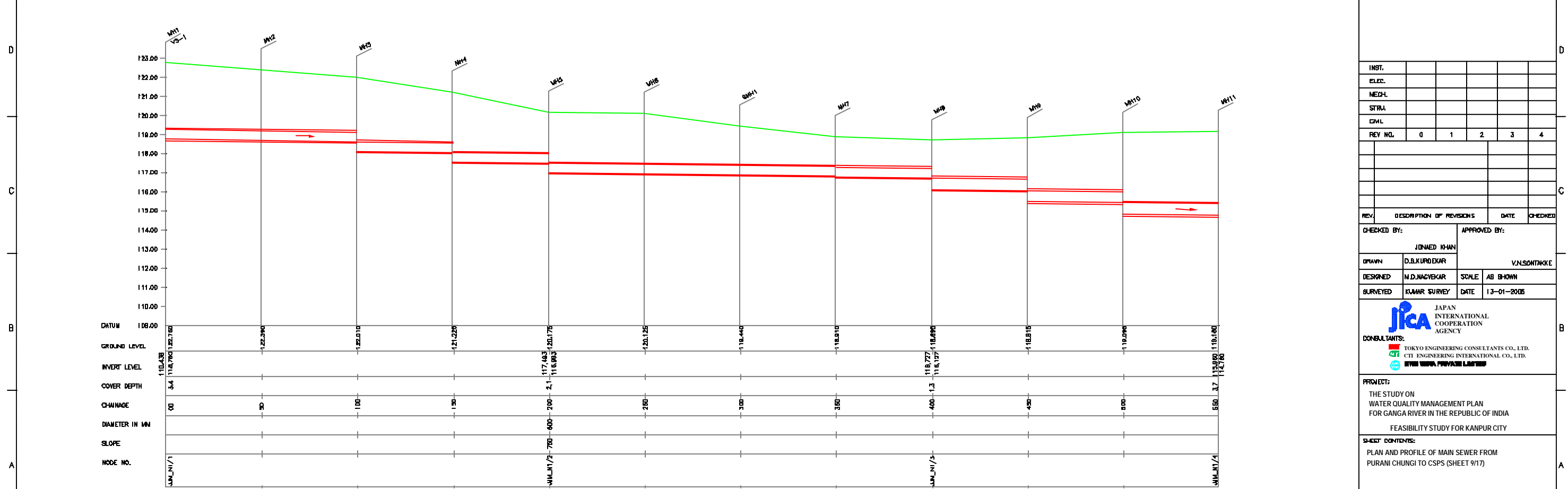
TECHNICAL CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 JAYEE ENGINEERING PRIVATE LIMITED

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

SHEET CONTENTS:
 PLAN AND PROFILE OF MAIN SEWER FROM PURANI CHUNGI TO CSPTS (SHEET 8/17)



PLAN
SCALE- 1 : 1000



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

NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

PROPOSED SEWER LINE	
RIISING MAIN ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
MOSQUE	
SPOT LEVEL	11.800
NALLA	
TEMPORARY BEANCH MARK	TBM-117.700 N.
ORDINARY MANHOLE	MH
SCRAPER MANHOLE	SMH
VENT SHAFT	VS

- REFERENCE DRAWING :**
- 1) BASE MAP WITH BEWERAGE ZONES KAN-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 - 3) KEY PLAN KAN-KP-1
 - 4) CATCHMENT AREA OF DISTRICT-1 KAN-CA-01-2

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

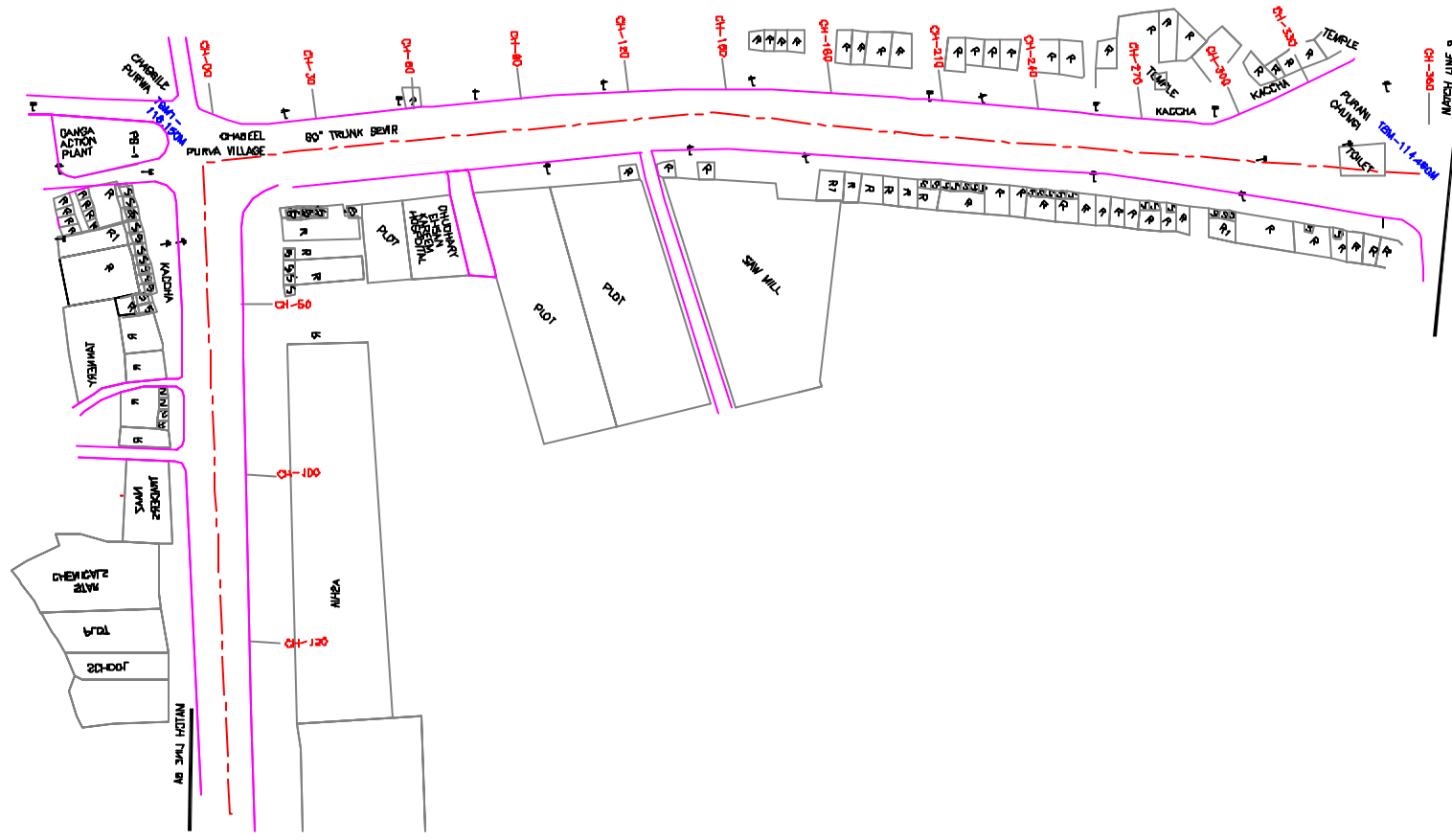
CHECKED BY:	APPROVED BY:	
DRAWN:	D.B.KURDOKAR	V.N.SANTHAKKE
DESIGNED:	N.D.NAAYEKAR	SCALE AS SHOWN
SURVEYED:	KUMAR SURVEY	DATE 13-01-2006

JICA
 JAPAN INTERNATIONAL COOPERATION AGENCY

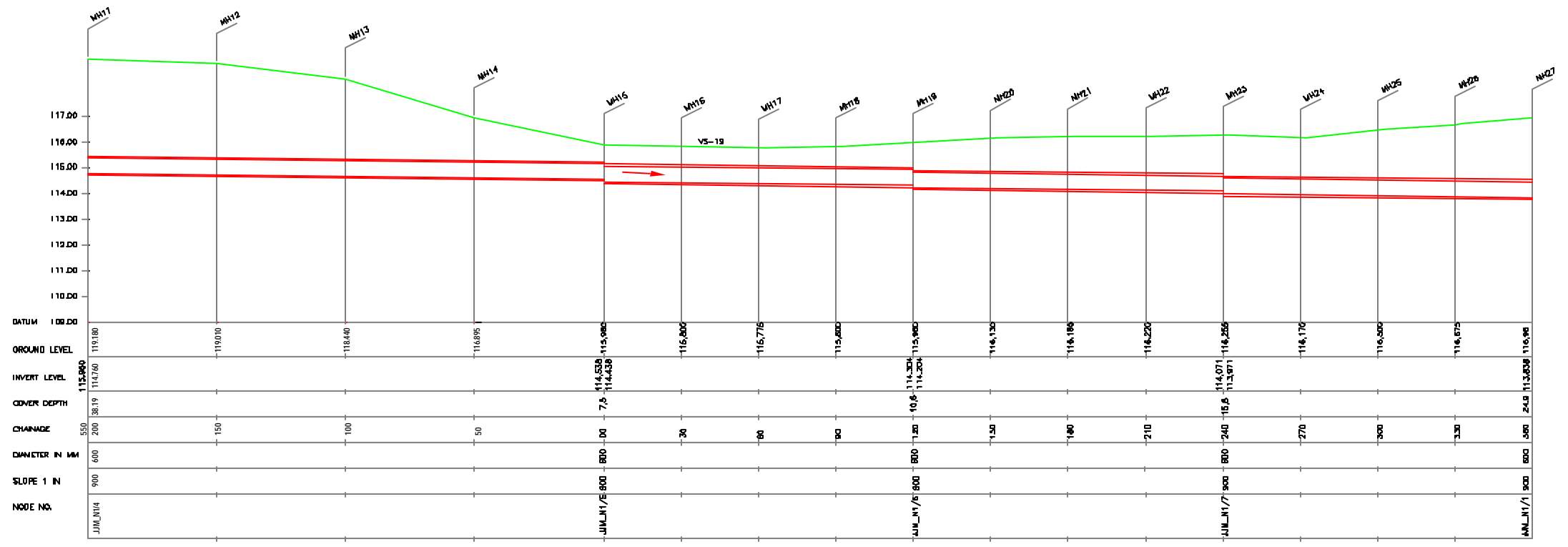
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 CIVIL ENGINEERS PRIVATE LIMITED

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

SHEET CONTENTS:
 PLAN AND PROFILE OF MAIN SEWER FROM PURANI CHUNGI TO CSPS (SHEET 9/17)



PLAN
SCALE- 1 : 1000



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

NOTE:
1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
2) ALL THE LEVELS ARE IN METERS.

LEGEND

PROPOSED SEWER LINE	---
RISING MAIN	---
ROAD	---
RAILWAY LINE	+
BORE HOLE	○
ELECTRICAL POLE	⊕
PLOT BOUNDARY	---
BUILDING	▭
TEMPLE	⊕
BRIDGE / CULVERT	⌒
ROAD DIVIDER	---
MOSQUE	⊕
SPOT LEVEL	11.800
NALLA	---
TEMPORARY BENCH MARK	TBM-117.700 N.
ORDINARY MANHOLE	MH
SCRAPER MANHOLE	SMH
VENT SHAFT	VS

REFERENCE DRAWING :
1) BASE MAP WITH BEWERAGE ZONES KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
3) KEY PLAN KAN-KP-1
4) CATCHMENT AREA OF DISTRICT-1 KAN-CA-01-2

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

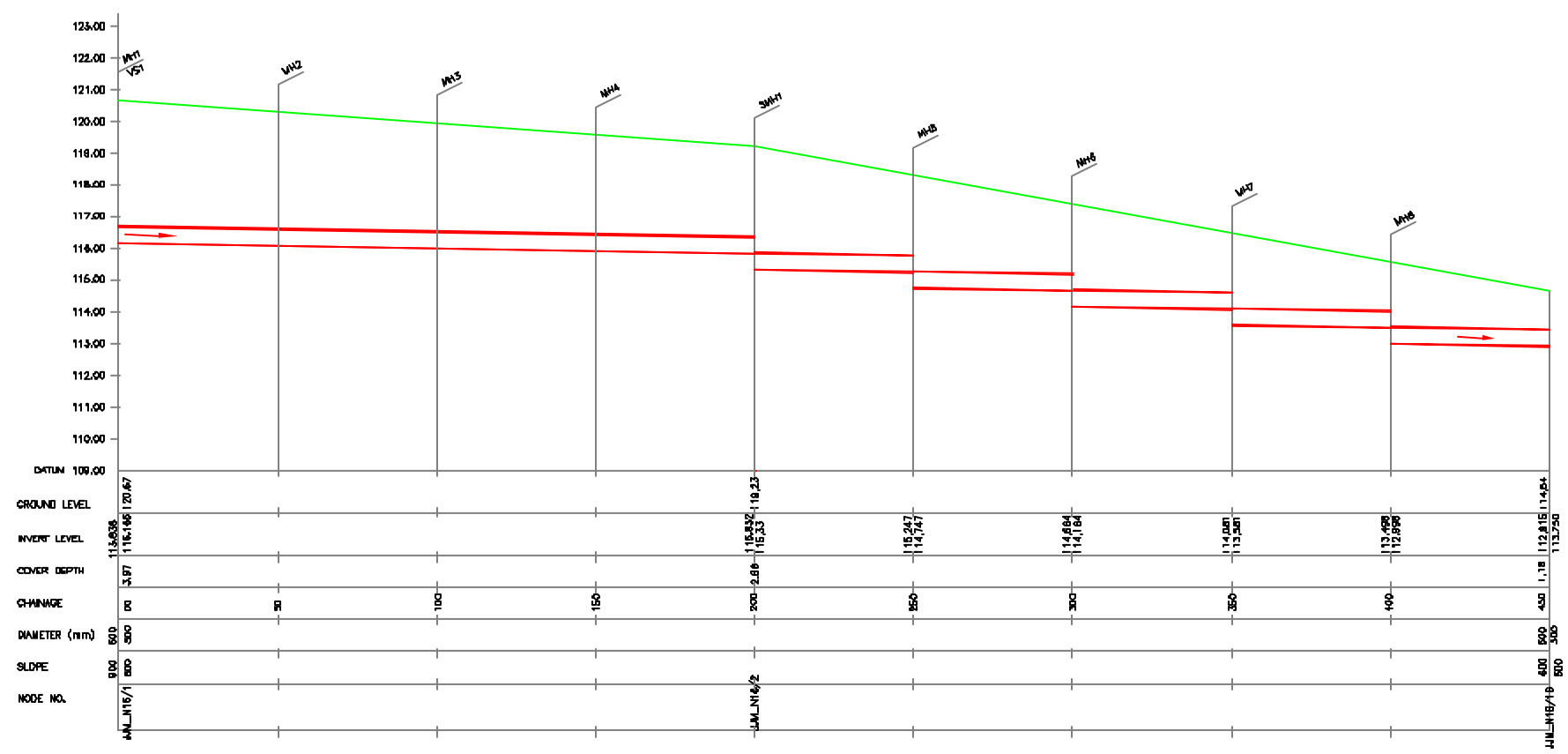
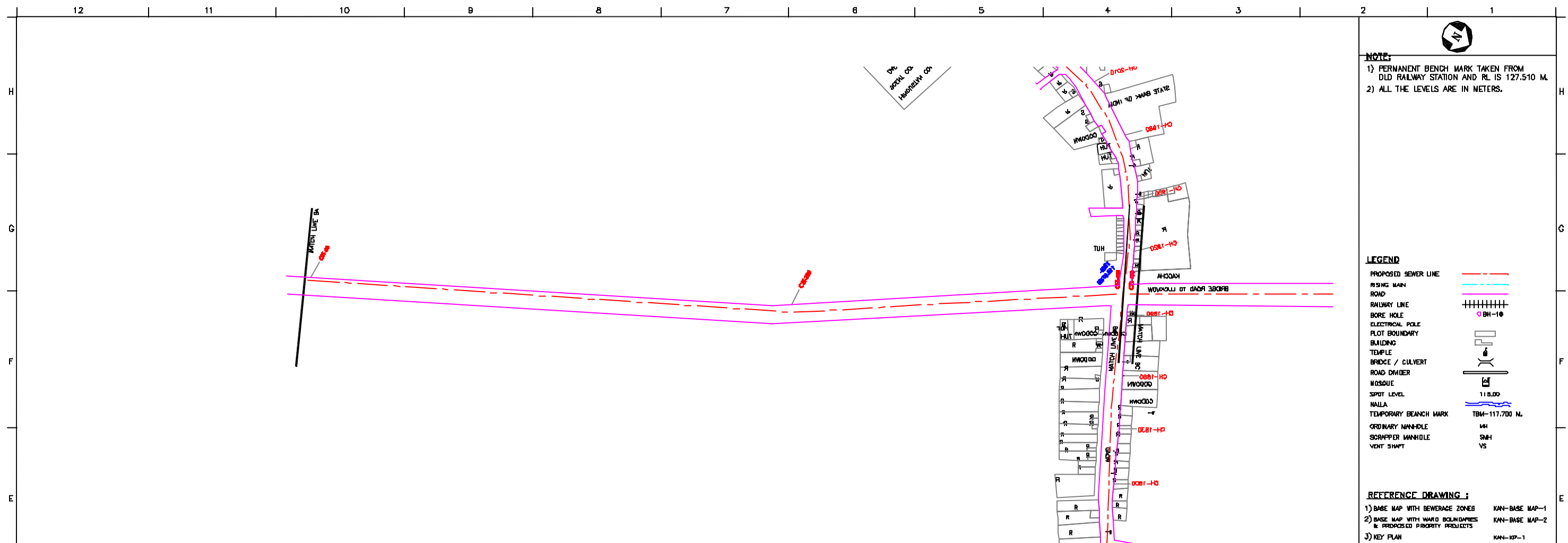
REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY: JUNAED KHAN		APPROVED BY: V.N.SONTAKKE	
DRAWN	D.B.KURDOKAR	SCALE	AS SHOWN
DESIGNED	N.D.NAYEKAR	DATE	20-11-2004
SURVEYED	KUMAR SURVEY		

JICA
INTERNATIONAL COOPERATION AGENCY

CONSULTANTS:

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

SHEET CONTENTS:
PLAN AND PROFILE OF MAIN SEWER FROM PURANI CHUNGI TO CSPTS (SHEET 10/17)



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

NOTE:
1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
2) ALL THE LEVELS ARE IN METERS.

LEGEND

PROPOSED SEWER LINE	---
RISING MAIN	---
ROAD	---
RAILWAY LINE	+
BORE HOLE	○ BH-10
ELECTRICAL POLE	⊕
PLOT BOUNDARY	---
BUILDING	▭
TEMPLE	⊕
BRIDGE / CULVERT	⊕
ROAD DIVIDER	---
MOSQUE	⊕
SPIT LEVEL	11 B.D.D
NALLA	---
TEMPORARY BEANCH MARK	TBM-117.700 N.
ORDINARY MANHOLE	MH
SCRAPER MANHOLE	SMH
VENT SHAFT	VS

REFERENCE DRAWING :
1) BASE MAP WITH BEVERAGE ZONES KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
3) KEY PLAN KAN-KP-1
4) CATCHMENT AREA OF DISTRICT-1 KAN-CA-01-2

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY: JONAEED KHAN		APPROVED BY: V.N.SONTAKKE	
DRAWN	D.B.KURDOKAR	SCALE	AS SHOWN
DESIGNED	N.D.NAYEKAR	DATE	20-11-2004
SURVEYED	KUMAR SURVEY		

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
TOKYO ENGINEERING CONSULTANTS CO., LTD.
CTI ENGINEERING INTERNATIONAL CO., LTD.
SIVVA PRAVAHA LIMITED

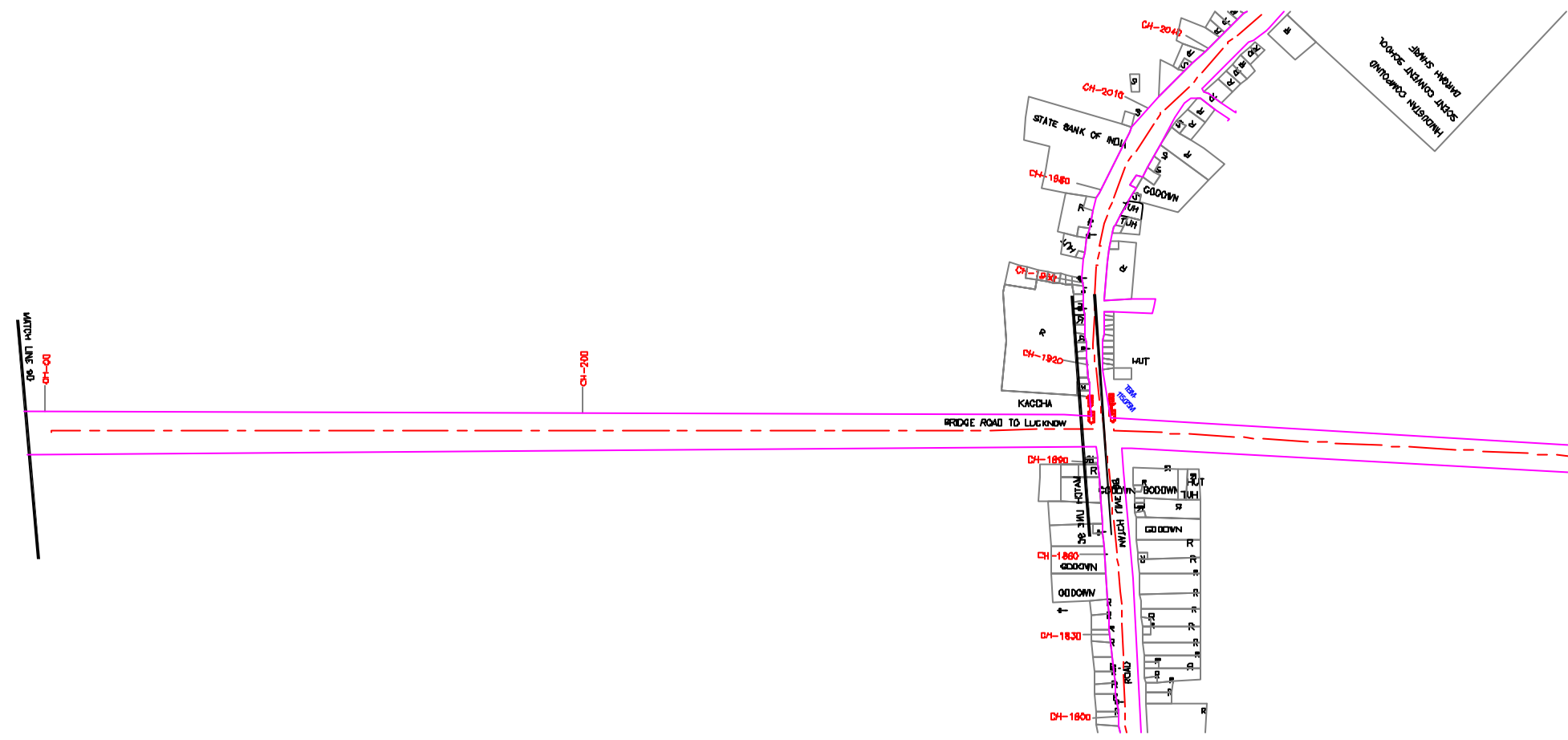
PROJECT:
THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR KANPUR CITY

SHEET CONTENTS:
PLAN AND PROFILE OF MAIN SEWER FROM PURANI CHUNGI TO CSPTS (SHEET 11/17)

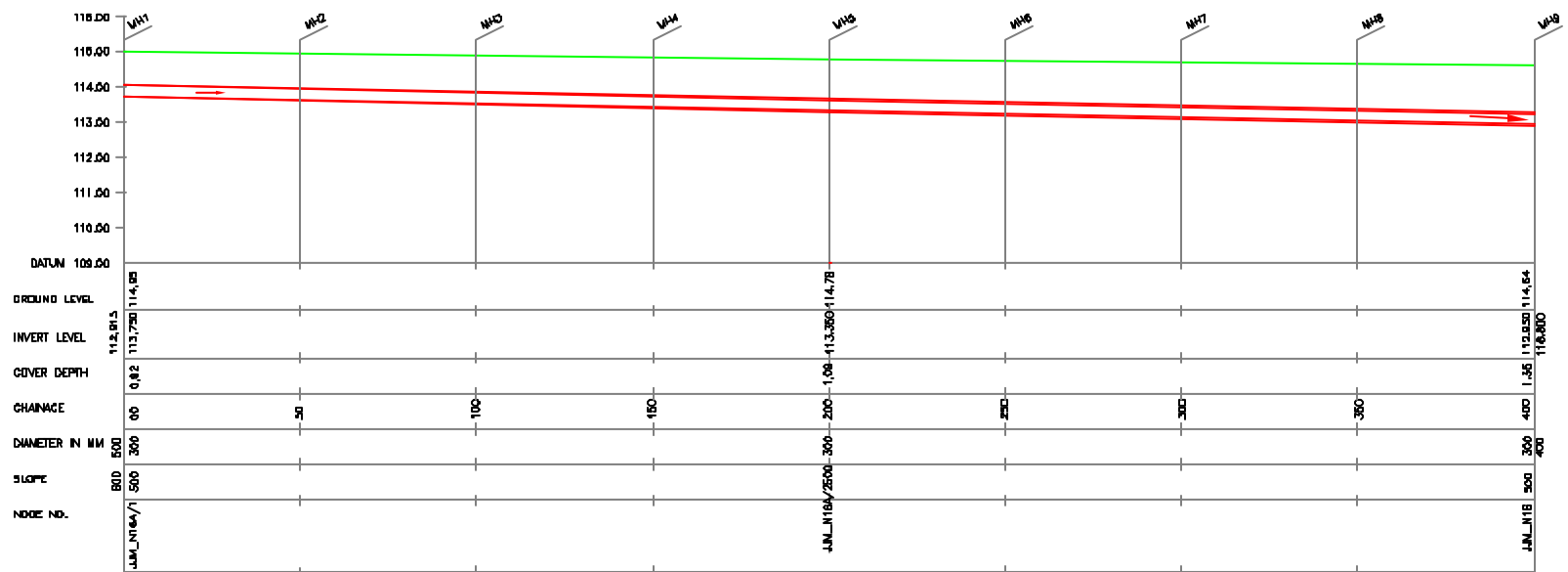
DRAWING NO. KAN-PP-PC-11	SRL. NO. 35
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NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.



PLAN
 SCALE- 1 : 1000



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

LEGEND

PROPOSED SEWER LINE	
RIISING MAIN	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
MOSQUE	
SPOT LEVEL	11.800
NALLA	
TEMPORARY BEANCH MARK	TBM-117.700 N.
ORDINARY MANHOLE	MH
SQUEEGER MANHOLE	SMH
VENT SHAFT	VS

- REFERENCE DRAWING :**
- 1) BASE MAP WITH BEWERAGE ZONES KAN-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 - 3) KEY PLAN KAN-KP-1
 - 4) CATCHMENT AREA OF DISTRICT-I KAN-CA-D1-2

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY:	JUNAED KHAN		
APPROVED BY:	V.N.SONTHAKKE		
DRAWN	D.B.KURDOKAR	SCALE	AS SHOWN
DESIGNED	N.D.NAYEKAR	DATE	20-11-2004
SURVEYED	KUMAR SURVEY	DATE	20-11-2004

CONSULTANTS:

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

TECHNICAL CONSULTANTS:

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

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

SHEET CONTENTS:
 PLAN AND PROFILE OF MAIN SEWER FROM PURANI CHUNGI TO CSPS (SHEET 12/17)



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

PROPOSED SEWER LINE	---
RISING MAIN	---
ROAD	---
RAILWAY LINE	|||||
BORE HOLE	○ BH-10
ELECTRICAL POLE	⊥
PLOT BOUNDARY	---
BUILDING	▭
TEMPLE	⊥
BRIDGE / CULVERT	⊥
ROAD DIVIDER	---
MOSQUE	⊥
SPLIT LEVEL	11 8.00
NALLA	---
TEMPORARY BEANCH MARK	TBM-117.700 N.
ORDINARY MANHOLE	MH
SCRAPER MANHOLE	SMH
VENT SHAFT	VS

REFERENCE DRAWING :
 1) BASE MAP WITH BEWERAGE ZONES KAN-BASE MAP-1
 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 3) KEY PLAN KAN-KP-1
 4) CATCHMENT AREA OF DISTRICT-1 KAN-CA-D1-2

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

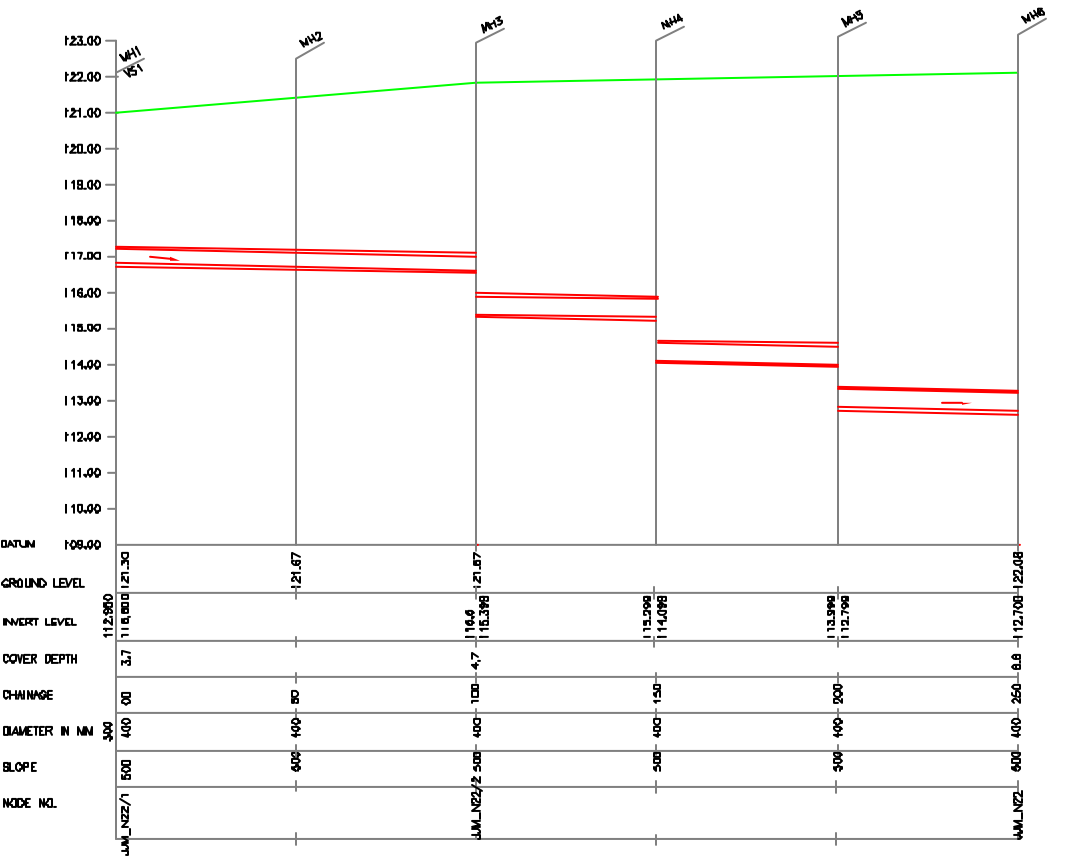
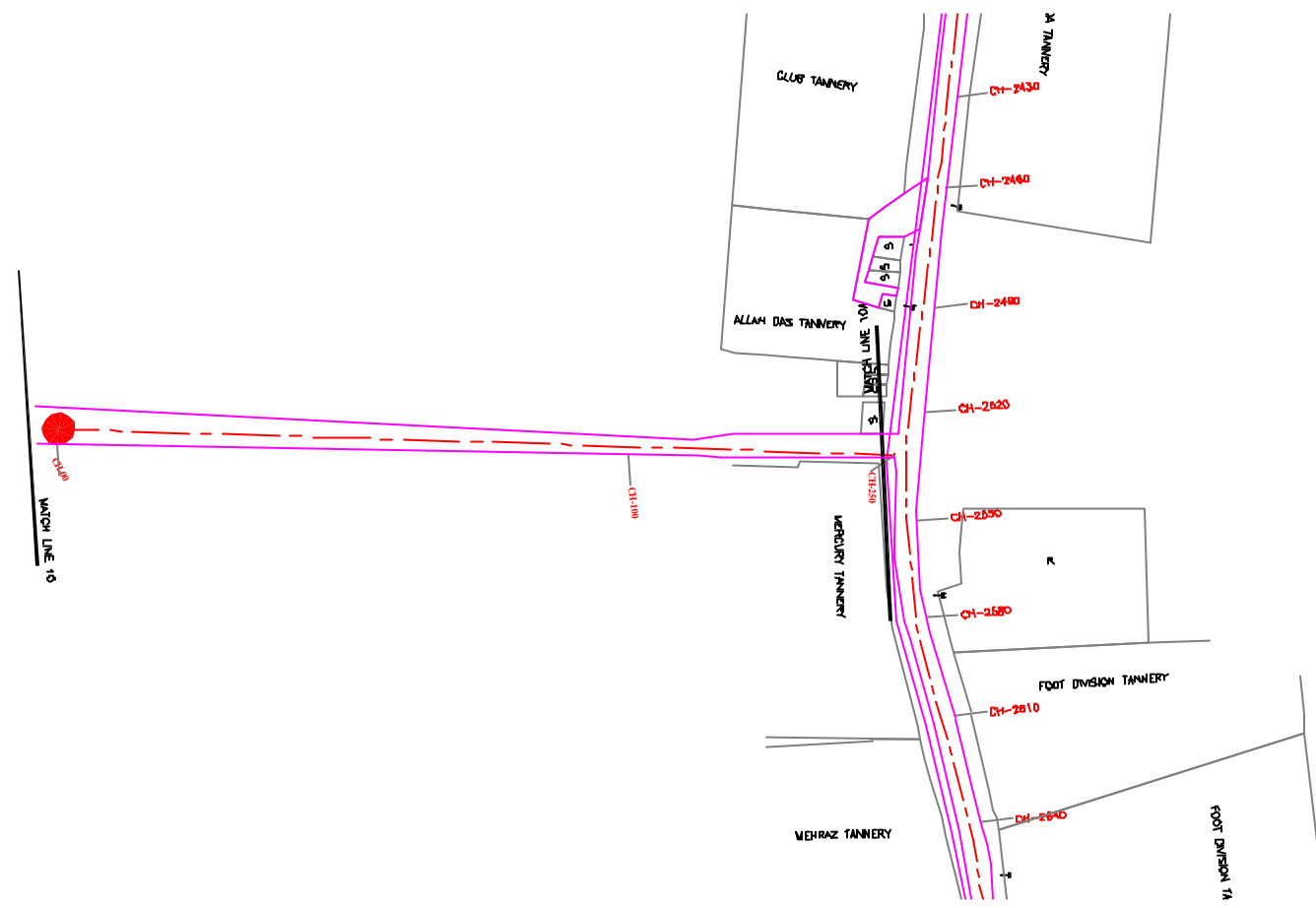
REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY: JUNAED KHAN			
APPROVED BY: V.N.SONTHAKKE			
DRAWN	D.B.KURDOKAR	SCALE	AS SHOWN
DESIGNED	N.D.NAYEKAR	DATE	20-11-2004
SURVEYED	KUMAR SURVEY		

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

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

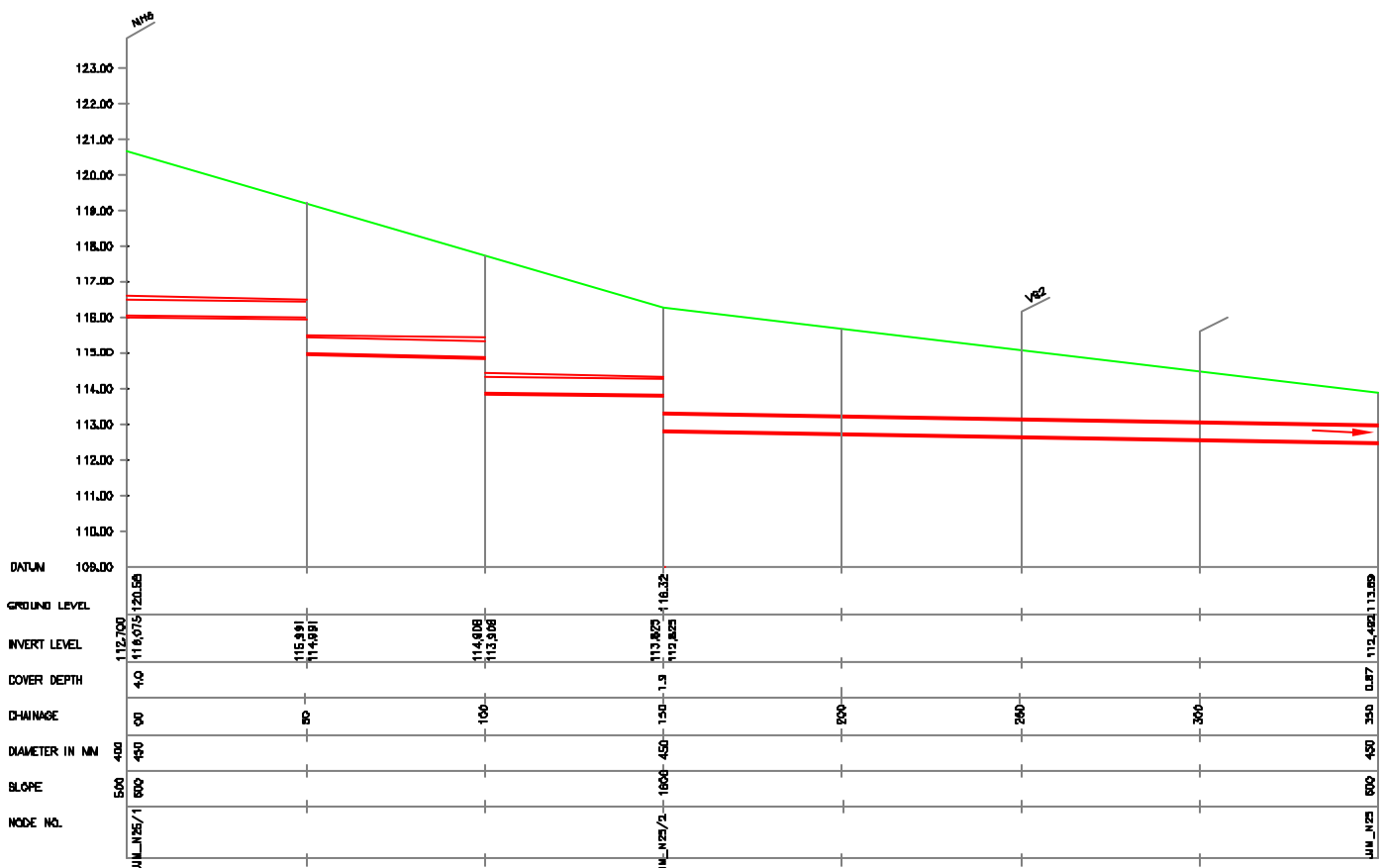
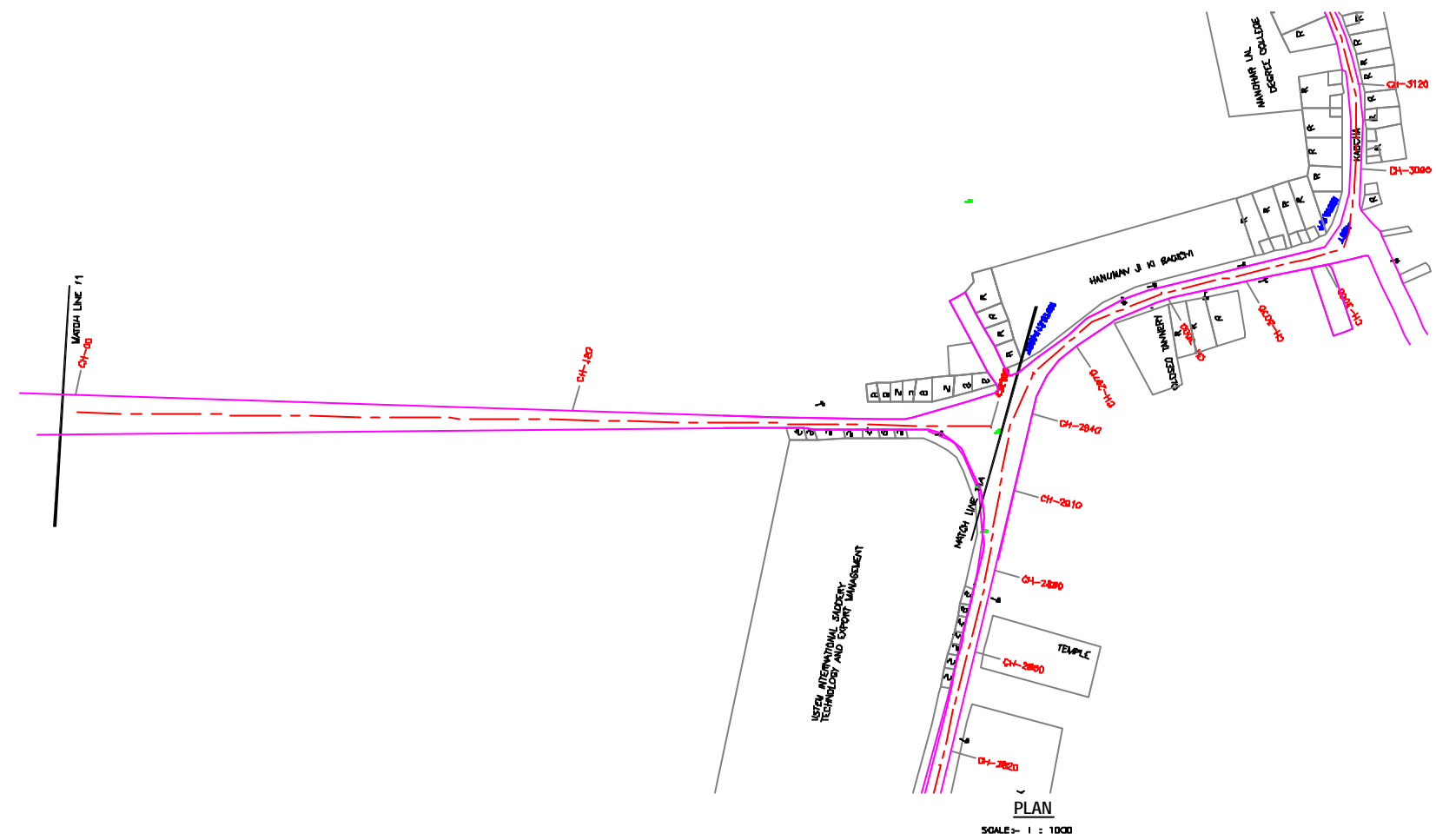
SHEET CONTENTS:
 PLAN AND PROFILE OF MAIN SEWER FROM PURANI CHUNGI TO CSPS (SHEET 13/17)

DRAWING NO.	SR. NO.
KAN-PP-PC-13	37



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

H G F E D C B A



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



NOTE:
1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
2) ALL THE LEVELS ARE IN METERS.

LEGEND

PROPOSED SEWER LINE	---
RISING MAIN	---
ROAD	---
RAILWAY LINE	|||||
BORE HOLE	○ BH-10
ELECTRICAL POLE	⊥
PLOT BOUNDARY	---
BUILDING	▭
TEMPLE	⊥
BRIDGE / CULVERT	⊥
ROAD DIVIDER	---
MOSQUE	⊥
SPLIT LEVEL	11.000
NALLA	---
TEMPORARY BENCH MARK	TBM-117.700 N.
ORDINARY MANHOLE	MH
SCRAPER MANHOLE	SMH
VENT SHAFT	VS

REFERENCE DRAWING :
1) BASE MAP WITH BEWERAGE ZONES KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
3) KEY PLAN KAN-KP-1
4) CATCHMENT AREA OF DISTRICT-1 KAN-CA-01-2

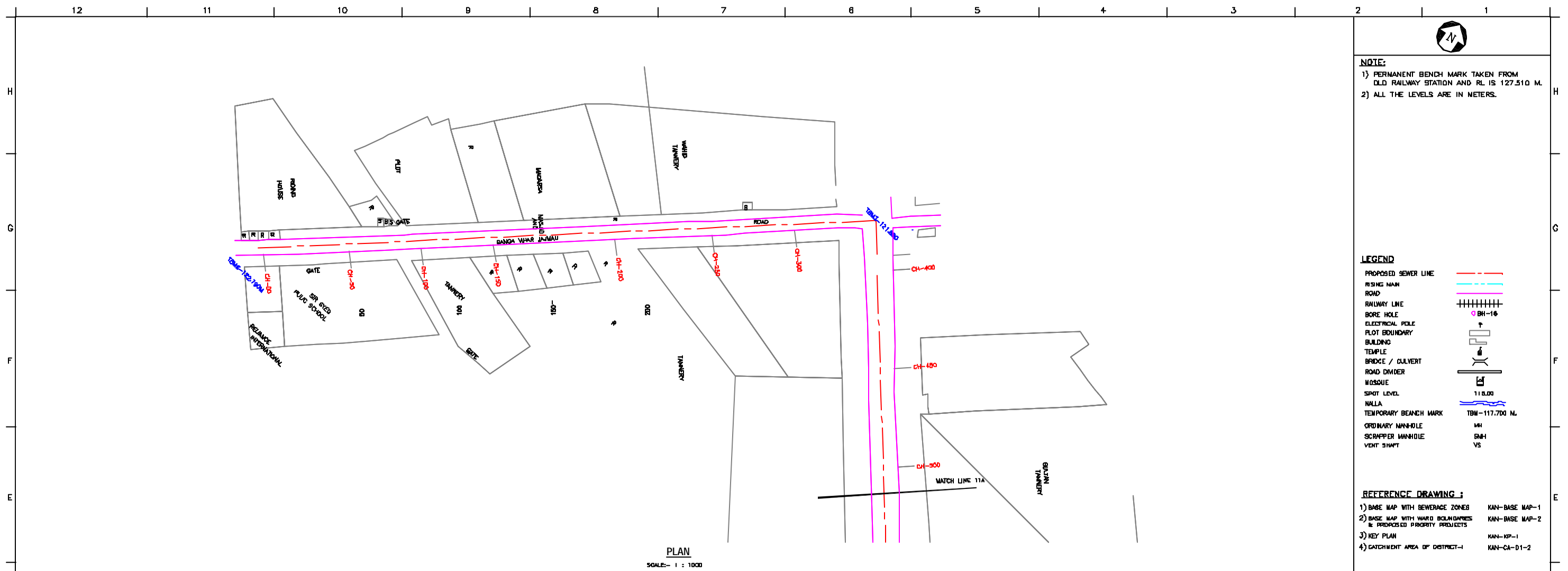
INST.					
ELEC.					
MECH.					
STR.					
CIVIL					
REV. NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY:	JUNAED KHAN		
APPROVED BY:	V.N.SANTAKKE		
DRAWN:	D.B.KURODKAR	SCALE:	AS SHOWN
DESIGNED:	N.D.NAYEKAR	DATE:	20-11-2004
SURVEYED:	KUMAR SURVEY		

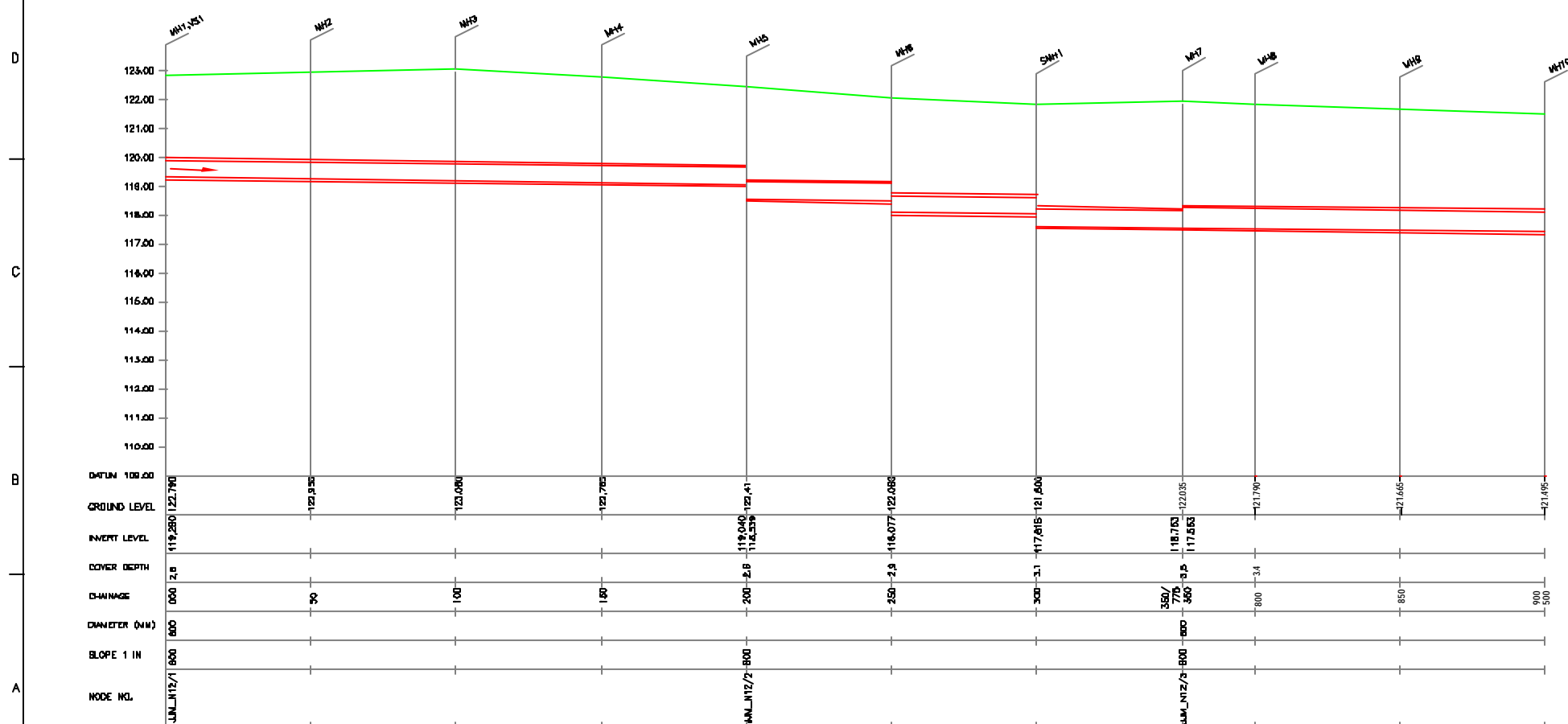
JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTI ENGINEERING INTERNATIONAL CO., LTD.
 CIVIL ENGINEERS PRIVATE LIMITED

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

SHEET CONTENTS:
PLAN AND PROFILE OF MAIN SEWER FROM PURANI CHUNGI TO CSPTS (SHEET 14/17)



PLAN
SCALE - 1 : 1000



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

NOTE:
1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
2) ALL THE LEVELS ARE IN METERS.

LEGEND

PROPOSED SEWER LINE	---
EXISTING MAIN ROAD	---
RAILWAY LINE	+
BORE HOLE	○ BH-10
ELECTRICAL POLE	⊥
PLOT BOUNDARY	---
BUILDING	▭
TEMPLE	⊕
BRIDGE / CULVERT	⌒
ROAD DIVIDER	---
MOSQUE	⊕
SPOT LEVEL	118.00
NALLA	---
TEMPORARY BENCH MARK	TBM-117.700 M.
ORDINARY MANHOLE	MH
SCRAPER MANHOLE	SMH
VENT SHAFT	VS

REFERENCE DRAWING :

1) BASE MAP WITH SEWERAGE ZONES	KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS	KAN-BASE MAP-2
3) KEY PLAN	KAN-KP-1
4) CATCHMENT AREA OF DISTRICT-1	KAN-CA-D1-2

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

CHECKED BY:	APPROVED BY:
JUNAED KHAN	V.N.SCHTAKKE
DRAWN:	R.D.PARAB
DESIGNED:	M.D.NAGVEKAR
BURVEYED:	KUMAR SURVEY
SCALE:	AS SHOWN
DATE:	20-11-2004

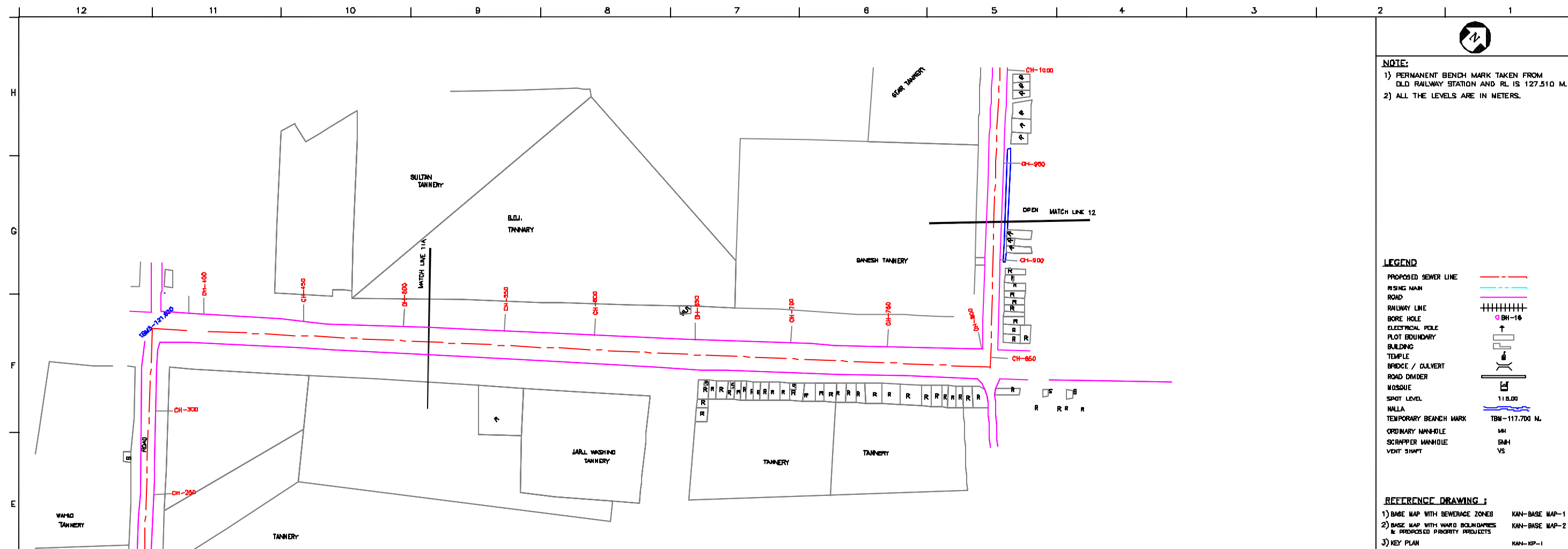
JICA INTERNATIONAL COOPERATION AGENCY

CONSULTANTS:

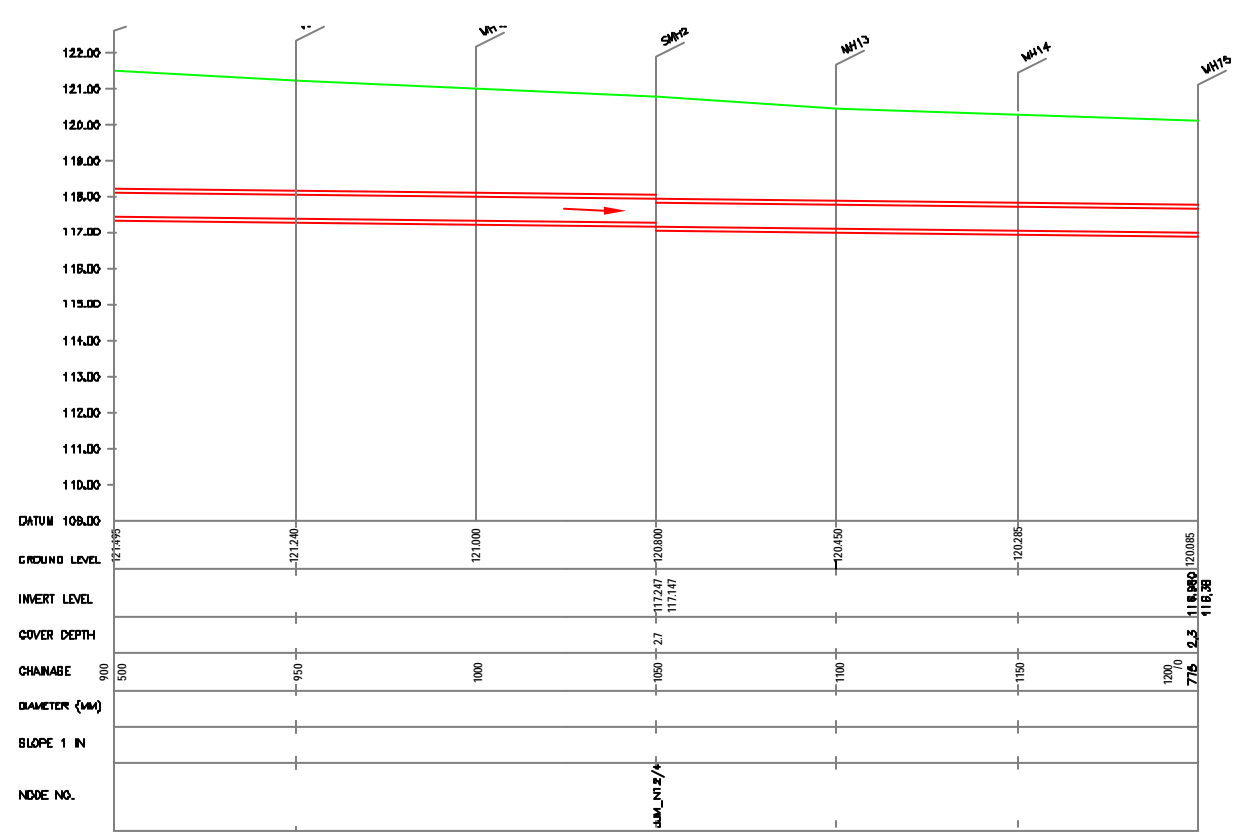
TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SURESH PRAKASH LIMITED

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

SHEET CONTENTS:
PLAN AND PROFILE OF MAIN SEWER FROM PURANI CHUNGI TO CSPS (SHEET 15/17)



PLAN
SCALE- 1 : 1000



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

NOTE:
1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
2) ALL THE LEVELS ARE IN METERS.

LEGEND

PROPOSED SEWER LINE	---
RISING MAIN ROAD	---
RAILWAY LINE	|||||
BORE HOLE	○ BH-10
ELECTRICAL POLE	⊥
PLOT BOUNDARY	---
BUILDING	▭
TEMPLE	⊥
BRIDGE / CULVERT	⊥
ROAD DIVIDER	---
MOSQUE	⊥
SPOT LEVEL	118.00
MULLA	---
TEMPORARY BENCH MARK	TBM-117.700 M.
ORDINARY MANHOLE	MH
SCRAPER MANHOLE	SMH
VENT SHAFT	VS

- REFERENCE DRAWING :**
- 1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 - 3) KEY PLAN KAN-KP-1
 - 4) CATCHMENT AREA OF DISTRICT-1 KAN-CA-D1-2

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

CHECKED BY:		APPROVED BY:	
JUNAED KHAN		V.N.SCHTAKKE	
DRAWN	R.D.PARAB	SCALE	AS SHOWN
DESIGNED	M.D.NAGVEKAR	DATE	20-11-2004

CONSULTANTS:

JICA INTERNATIONAL COOPERATION AGENCY

TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 JICA ENGINEERING CONSULTANTS LIMITED

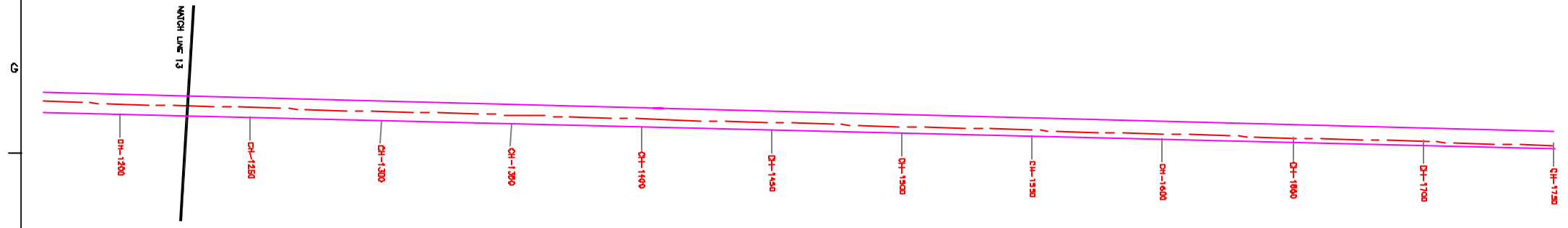
PROJECT:
THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR KANPUR CITY

SHEET CONTENTS:
PLAN AND PROFILE OF MAIN SEWER FROM PURANI CHUNGI TO CSPS (SHEET 16/17)

DRAWING NO.	SR. NO.
KAN-PP-PC-16	40



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

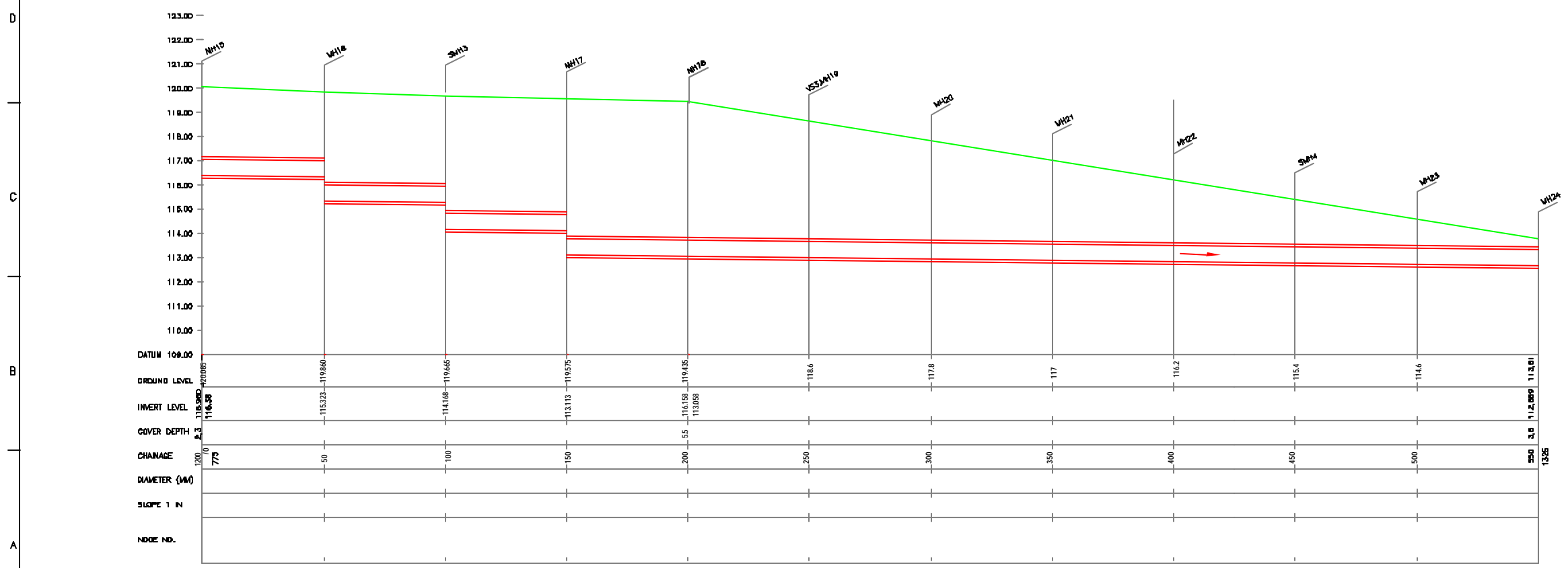


PLAN
 SCALE- 1 : 1000

LEGEND

PROPOSED SEWER LINE	---
RIISING MAIN ROAD	---
RAILWAY LINE	----
BORE HOLE	○ BH-10
ELECTRICAL POLE	⊥
PLOT BOUNDARY	---
BUILDING	---
TEMPLE	---
BRIDGE / CULVERT	---
ROAD DIVIDER	---
MOSQUE	---
SPOT LEVEL	118.00
NALLA	---
TEMPORARY BENCH MARK	TBM-117.700 M.
ORDINARY MANHOLE	MH
SCRAPER MANHOLE	SMH
VENT SHAFT	VS

REFERENCE DRAWING :
 1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 3) KEY PLAN KAN-KP-1
 4) CATCHMENT AREA OF DISTRICT-1 KAN-CA-D1-2



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

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

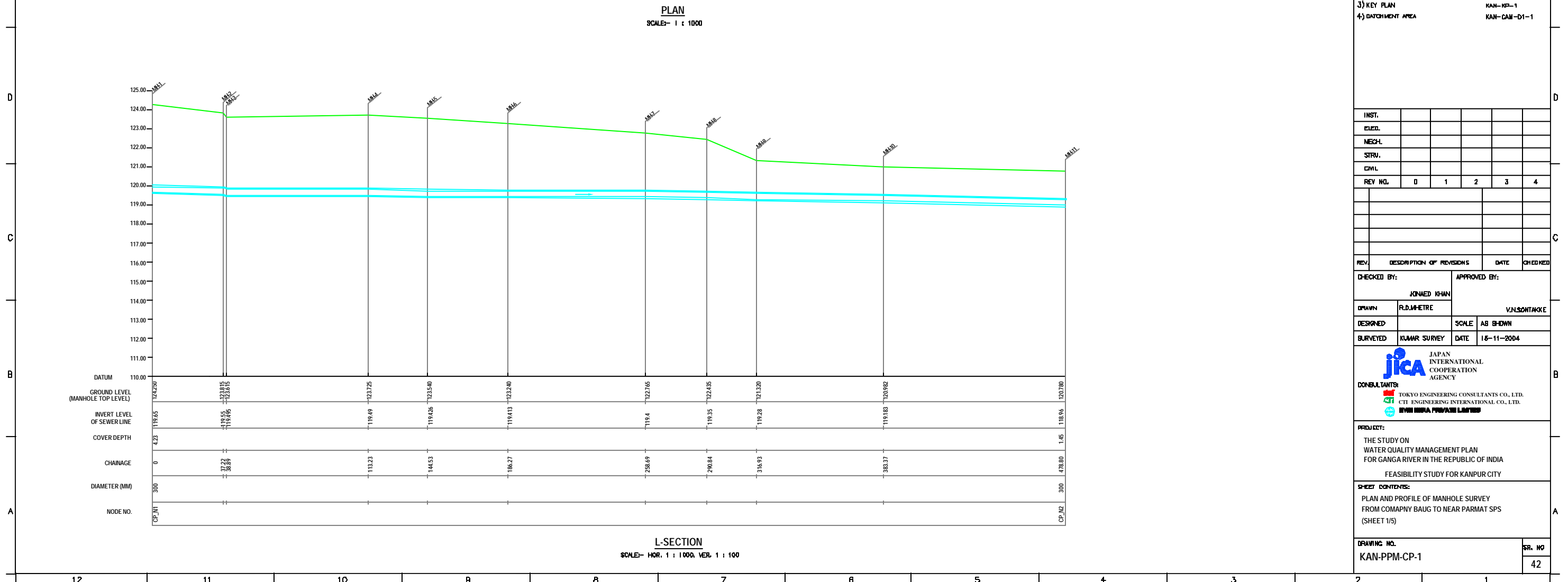
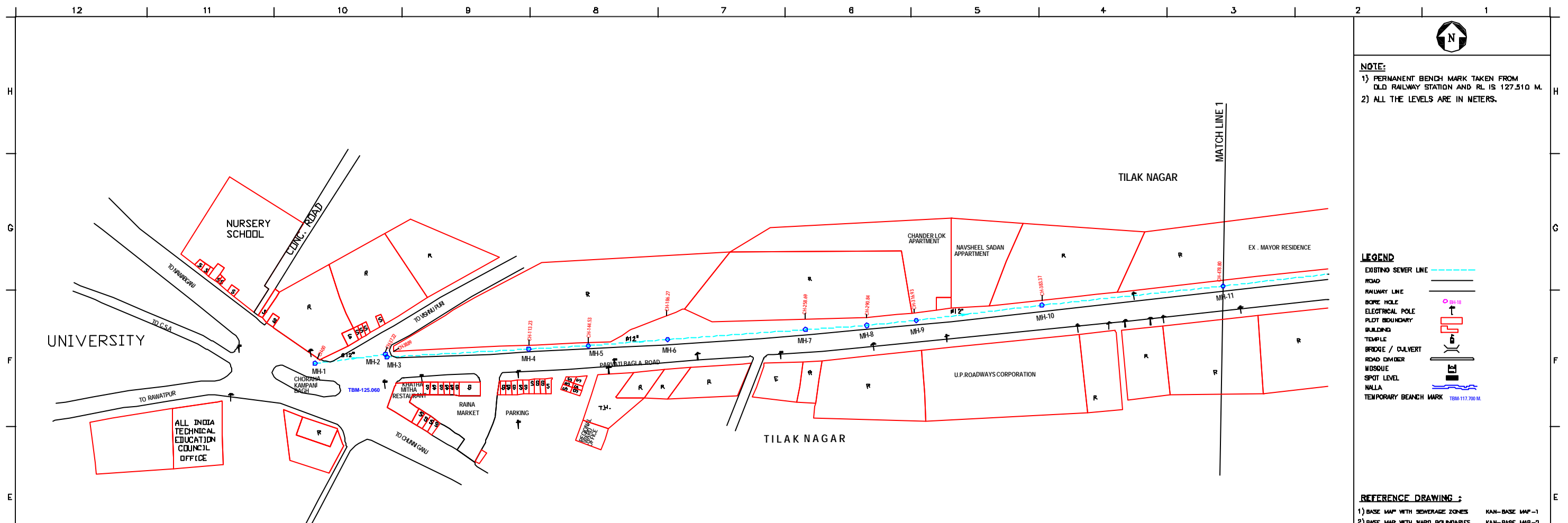
REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

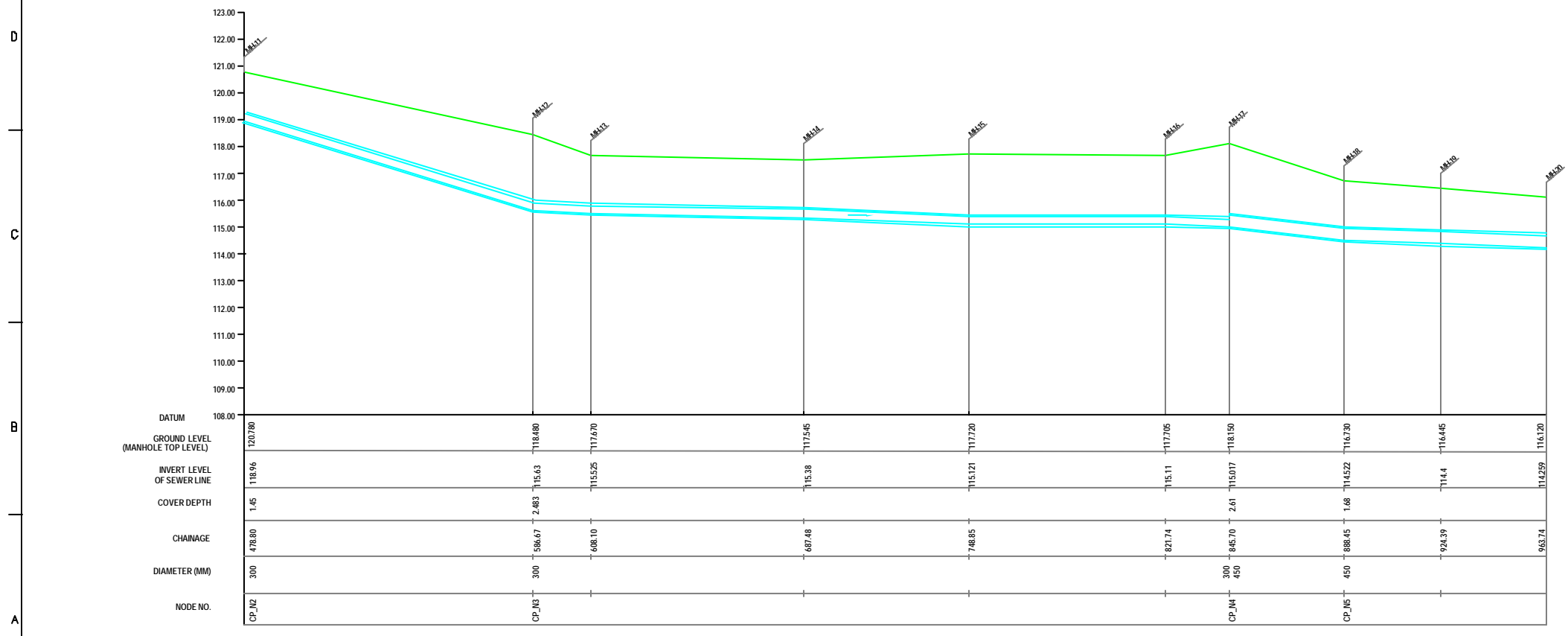
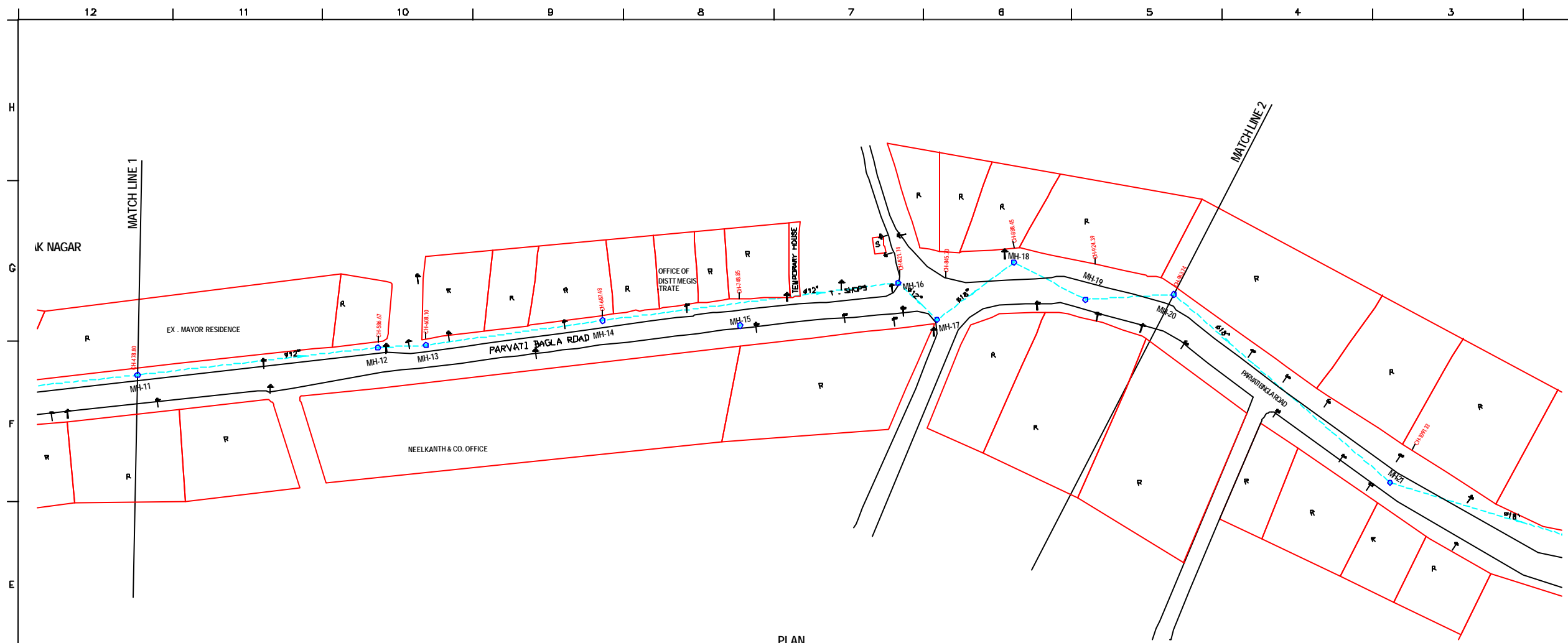
CHECKED BY:		APPROVED BY:	
JUNAED KHAN		V.N.SCHTAKKE	
DRAWN	R.D.PARAB	SCALE	AS SHOWN
DESIGNED	M.D.NAGVEKAR	DATE	20-11-2004
BURVEYED	KUMAR SURVEY		

JICA INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 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 KANPUR CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF MAIN SEWER FROM PURANI CHUNGI TO CSPTS (SHEET 17/17)





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

NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD CUMBER	
MOSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	

REFERENCE DRAWING :
 1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 3) KEY PLAN KAN-KP-1
 4) DATCHMENT AREA KAN-CAN-01-1

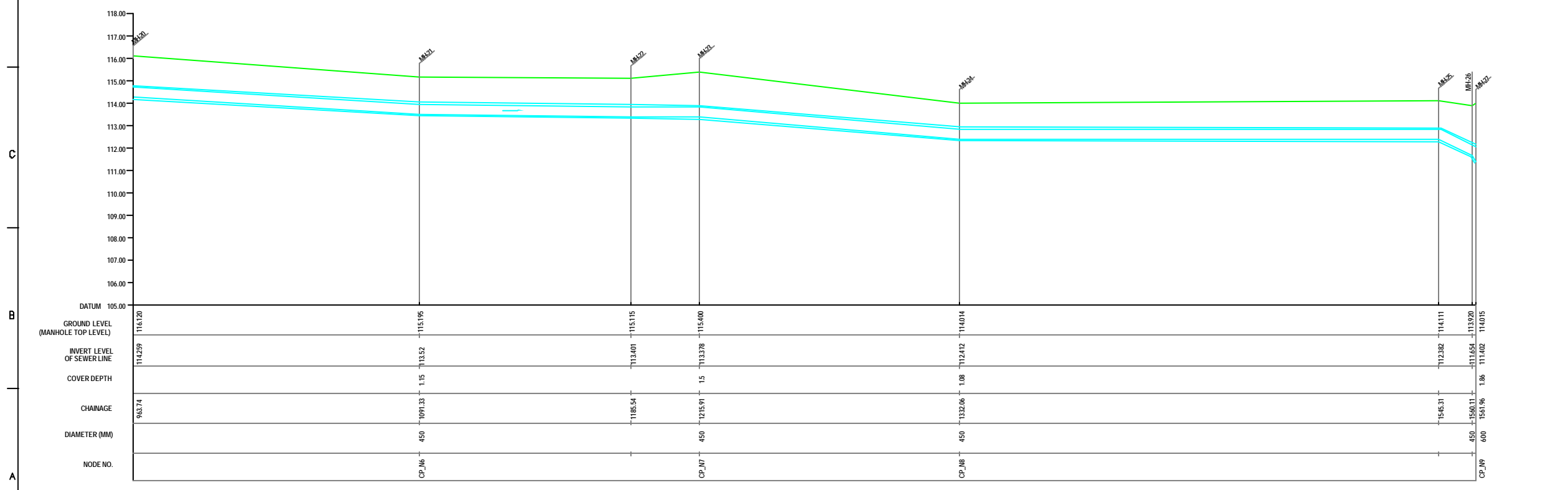
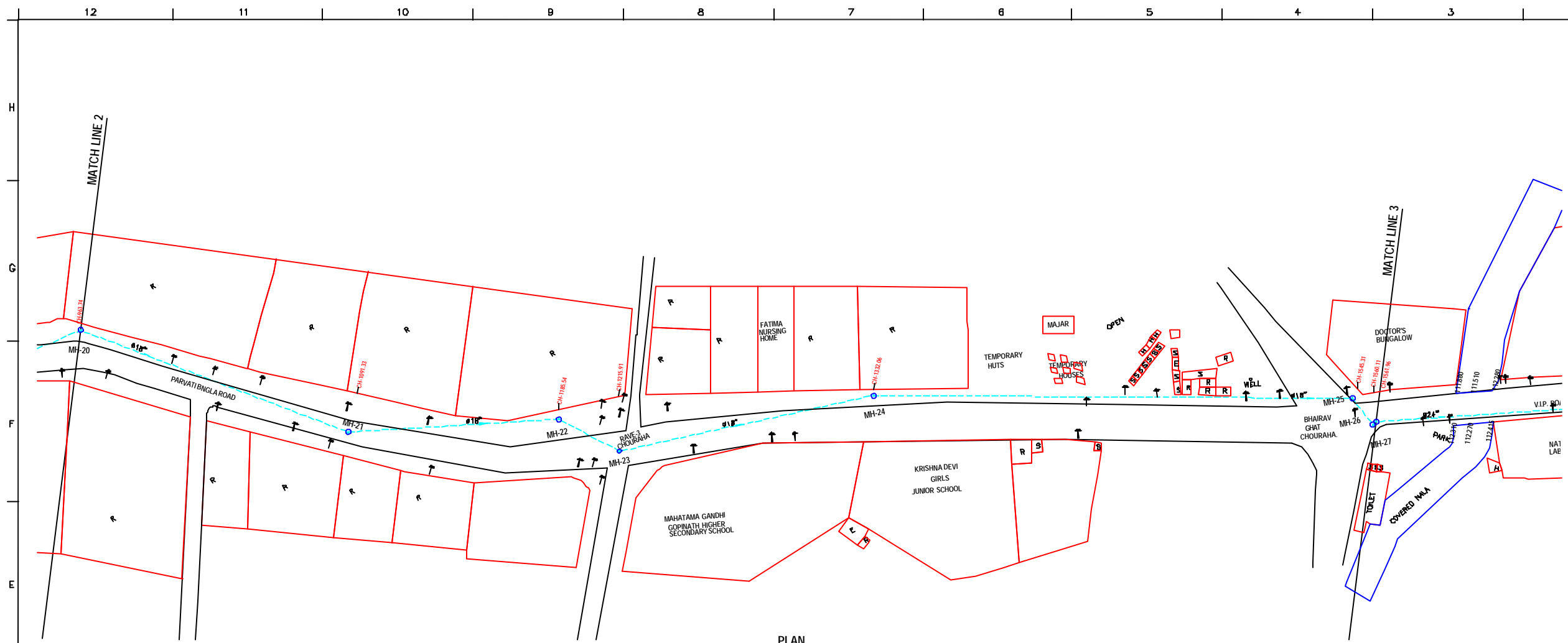
INST.					
ELED.					
MECH.					
STRU.					
CIVL.					
REV. NO.	0	1	2	3	4

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY: JUNAED KHAN			
APPROVED BY: V.N.SCHTAKKE			
DRAWN	R.D.METRE	SCALE	AS SHOWN
DESIGNED		DATE	16-11-2004

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 INVA INVA PRAKASHI LIMITED

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

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM COMPANY BAUG TO NEAR PARMAT SPS (SHEET 2/5)



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

NOTE:
1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
2) ALL THE LEVELS ARE IN METERS.

- LEGEND**
- EXISTING SEWER LINE
 - ROAD
 - RAILWAY LINE
 - BORE HOLE
 - ELECTRICAL POLE
 - PLOT BOUNDARY
 - BUILDING
 - TEMPLE
 - BRIDGE / CULVERT
 - ROAD DIVIDER
 - HOUSE
 - SPOT LEVEL
 - NALLA
 - TEMPORARY BENCH MARK

- REFERENCE DRAWING :**
- 1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 - 3) KEY PLAN KAN-KP-1
 - 4) DATCHMENT AREA KAN-CAN-01-1

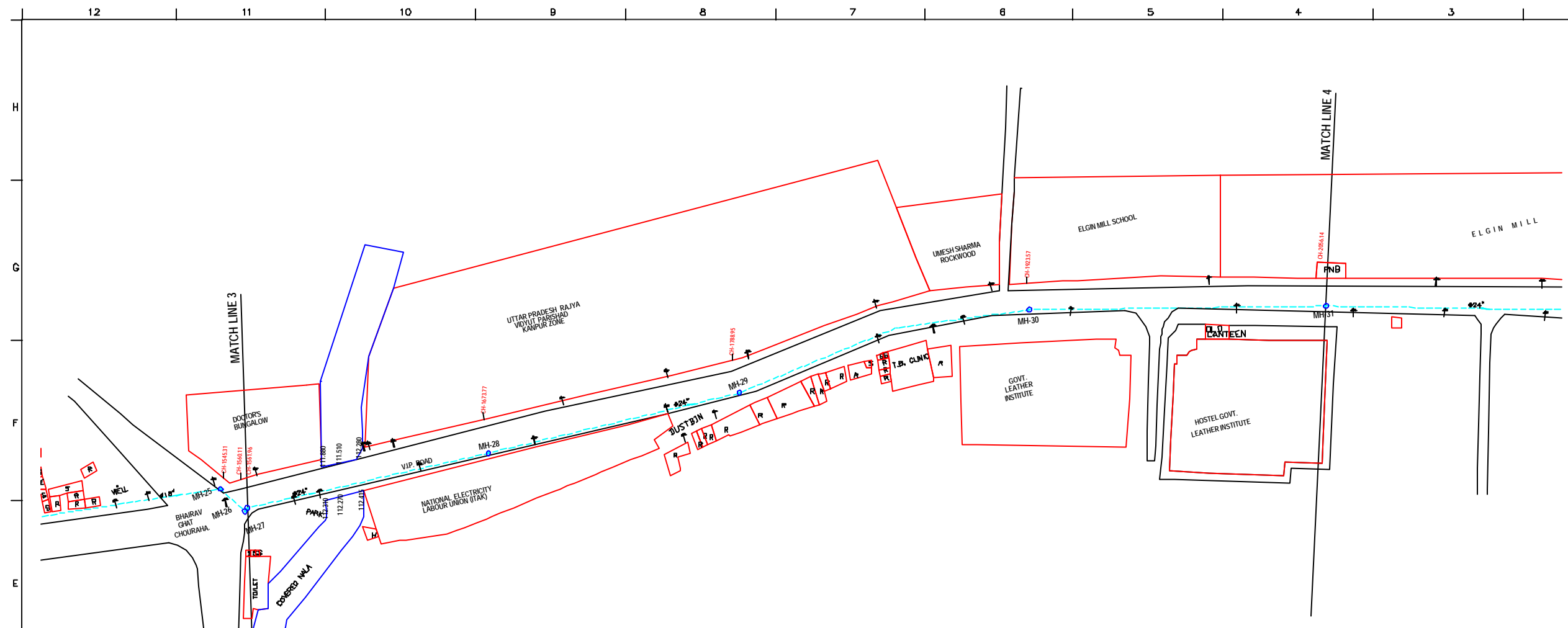
INST.					
ELCD.					
MECH.					
STRU.					
CIVL.					
REV. NO.	0	1	2	3	4

CHECKED BY: **JOHNAED KHAN**
 APPROVED BY: **V.N.SCHTAKKE**
 DRAWN: **R.D.METRE**
 DESIGNED: **SCALE AS SHOWN**
 SURVEYED: **KUMAR SURVEY DATE 18-11-2004**

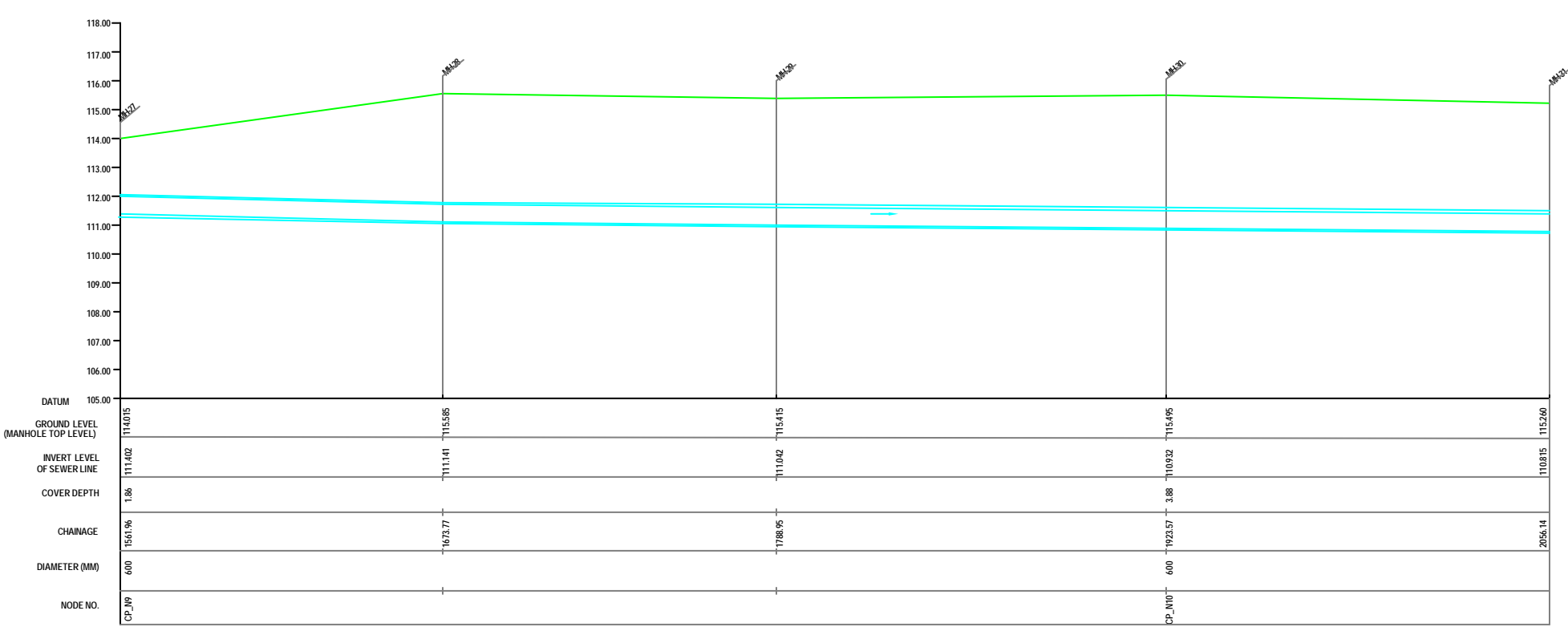


PROJECT:
THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR KANPUR CITY

SHEET CONTENTS:
PLAN AND PROFILE OF MANHOLE SURVEY FROM COMAPNY BAUG TO NEAR PARAMAT SPS (SHEET 3/5)



PLAN
SCALE- 1 : 1000



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

NOTE:
1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
INDUSIDE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	

REFERENCE DRAWING :
1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
3) KEY PLAN KAN-KP-1
4) DATCHMENT AREA KAN-CAN-01-1

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

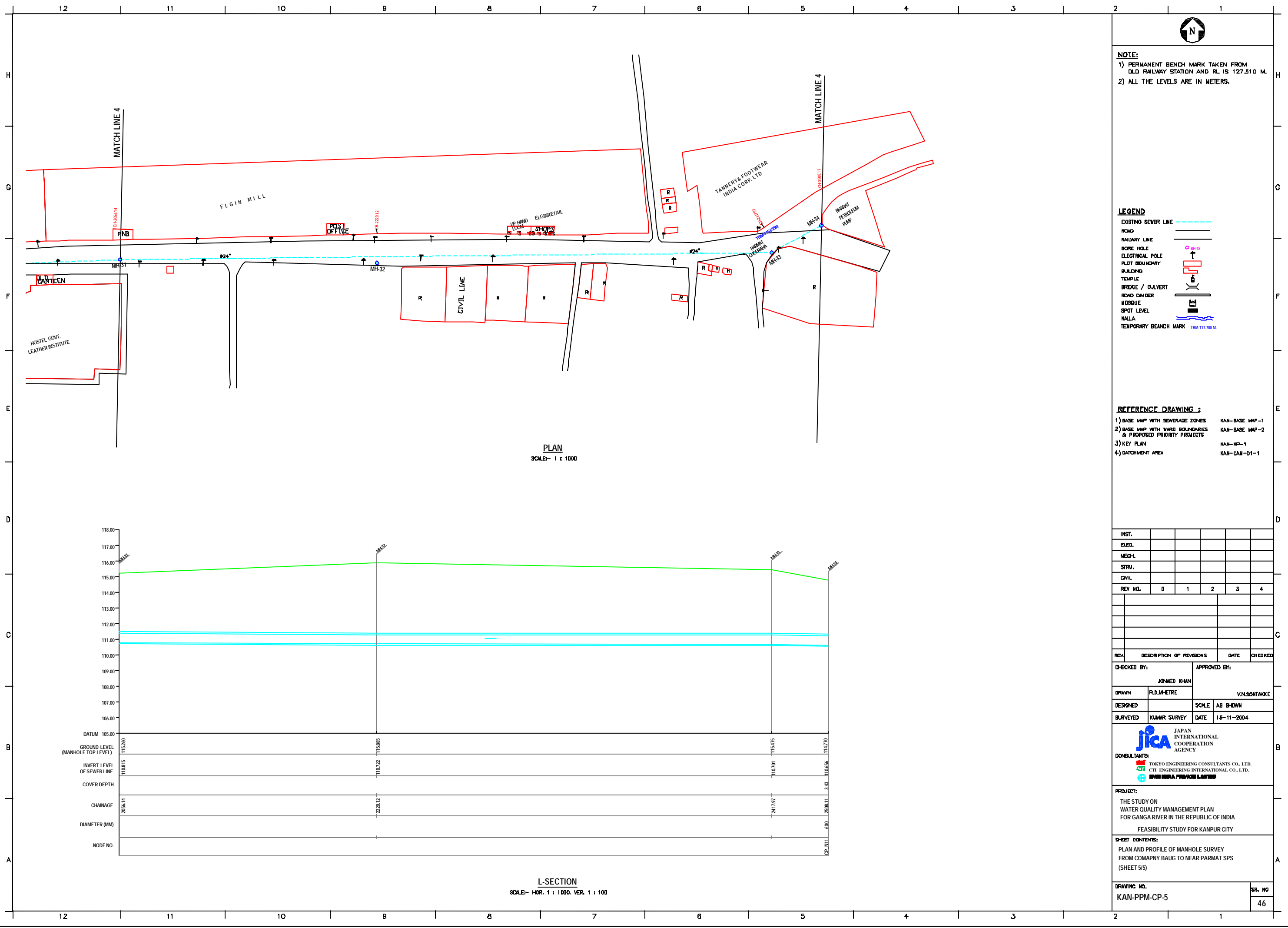
REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY:	APPROVED BY:
JOHNAED KHAN	V.N.SCHTAKKE
DRAWN: R.D. JHETRE	SCALE: AS SHOWN
DESIGNED:	DATE: 16-11-2004
BURVEYED: KUMAR SURVEY	

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

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

SHEET CONTENTS:
PLAN AND PROFILE OF MANHOLE SURVEY FROM COMPANY BAUG TO NEAR PARMAT SPS (SHEET 4/5)



PLAN
SCALE- 1 : 1000

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

NOTE:
1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
MOSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	

REFERENCE DRAWING :

1) BASE MAP WITH SEWERAGE ZONES	KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS	KAN-BASE MAP-2
3) KEY PLAN	KAN-KP-1
4) DATCHMENT AREA	KAN-CAN-01-1

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

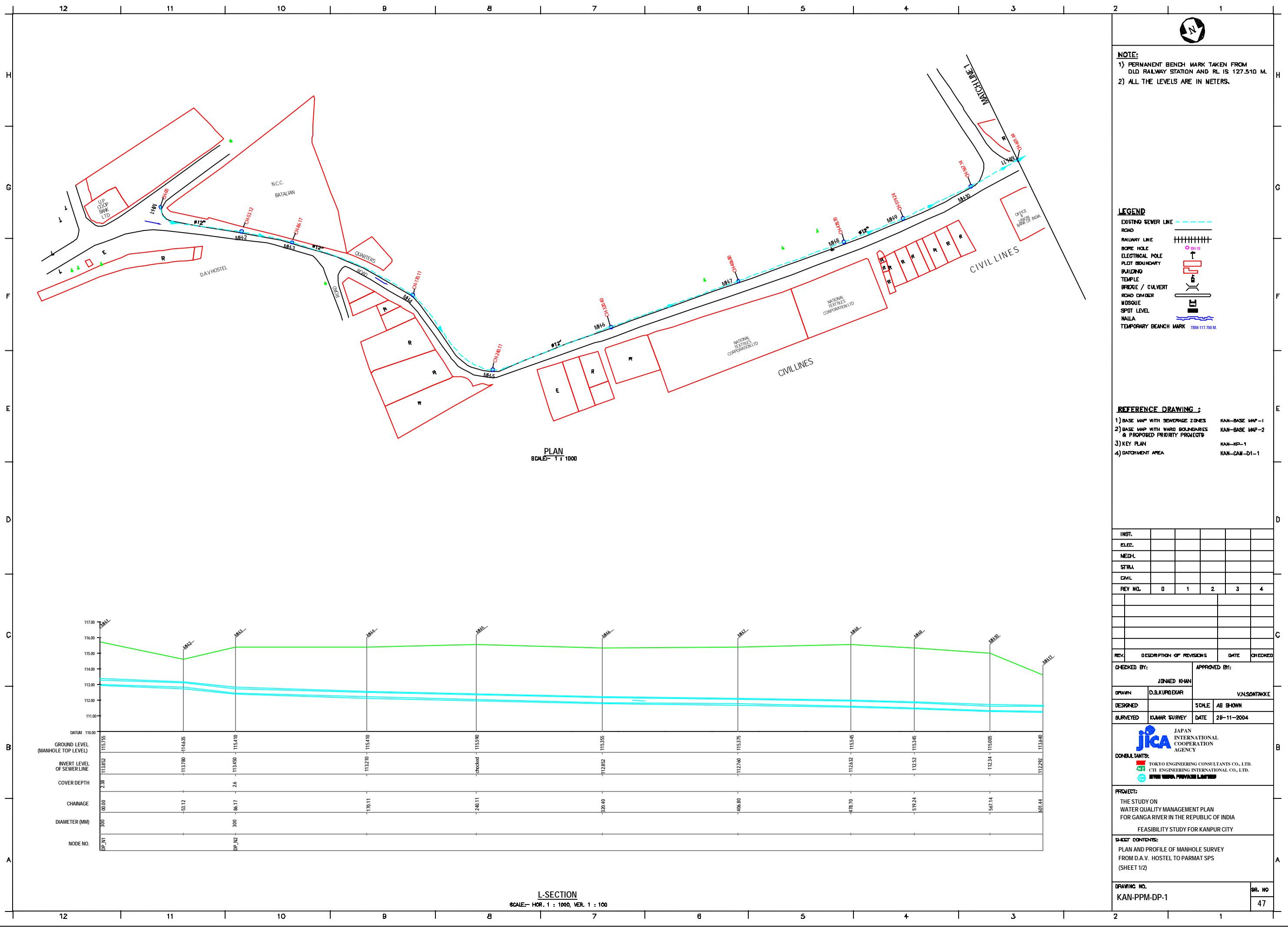
REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY:	JUNAED KHAN		
APPROVED BY:	V.N.SCHTAKKE		
DRAWN	R.D.METRE	SCALE	AS SHOWN
DESIGNED		DATE	18-11-2004
SURVEYED	KUMAR SURVEY		

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SURESH INFRA PVT. LTD.

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

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM COMPANY BAUG TO NEAR PARMAT SPS (SHEET 5/5)

DRAWING NO.	KAN-PPM-CP-5	SR. NO.	46
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NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD CUMBER	
MOSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	TBM-117.700 M.

REFERENCE DRAWING :
 1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 3) KEY PLAN KAN-KP-1
 4) DATCHMENT AREA KAN-CAN-D1-1

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY:	JUNAED KHAN		
APPROVED BY:	V.N.SCHTAKKE		
DRAWN	D.B.KURODKAR	SCALE	AS SHOWN
DESIGNED		DATE	28-11-2004

CONSULTANTS:

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

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

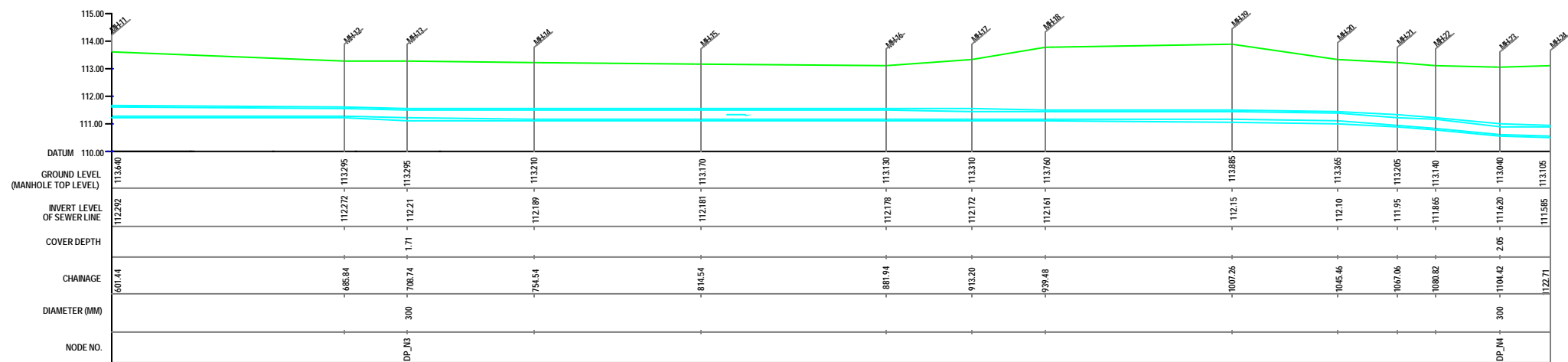
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR KANPUR CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM D.A.V. HOSTEL TO PARMAT SPS (SHEET 1/2)

DRAWING NO.	SR. NO.
KAN-PPM-DP-1	47



PLAN
SCALE= 1 : 1000



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



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
WDSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	TBM-117.700 M.

REFERENCE DRAWING :

1) BASE MAP WITH SEWERAGE ZONES	KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS	KAN-BASE MAP-2
3) KEY PLAN	KAN-KP-1
4) DATCHMENT AREA	KAN-CAN-01-1

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

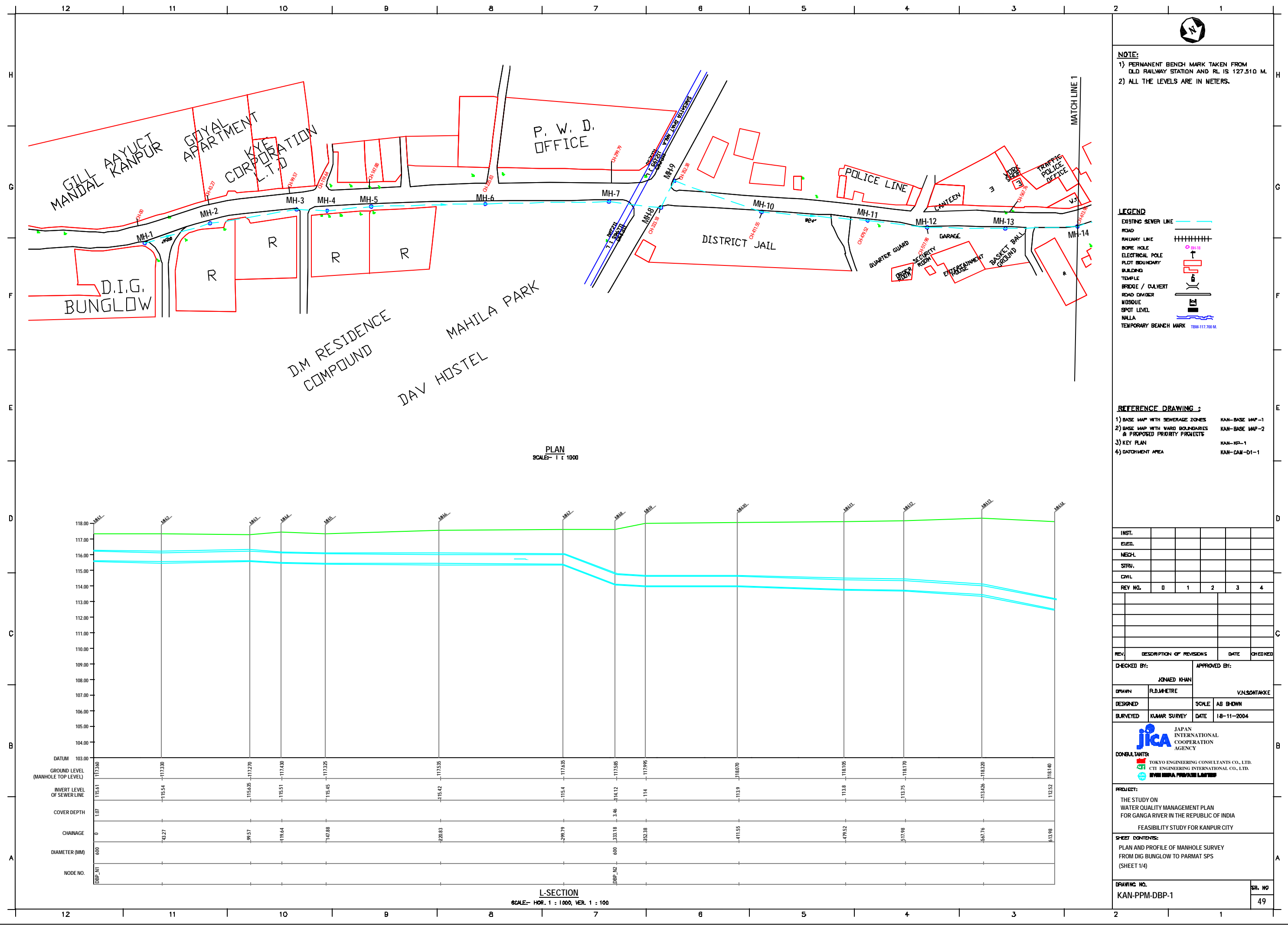
REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY: JONMED KHAN		APPROVED BY: V.N.SCHTAKKE	
DRAWN: D.S.KURDEKAR	SCALE: AS SHOWN		
DESIGNED: KUMAR SURVEY	DATE: 28-11-2004		

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 C.T.I. ENGINEERING INTERNATIONAL CO., LTD.
 INDIAN PUBLIC WORKS ENGINEERS

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

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM D.A.V. HOSTEL TO PARMAT SPS (SHEET 2/2)



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD OVER	
INDUSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	

REFERENCE DRAWING :
 1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 3) KEY PLAN KAN-KP-1
 4) DATCHMENT AREA KAN-CAN-D1-1

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY:	JUNAED KHAN		
APPROVED BY:	V.N.SCHTAKKE		
DRAWN	R.D.METRE	SCALE	AS SHOWN
DESIGNED		DATE	18-11-2004

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 C.T.I. ENGINEERING INTERNATIONAL CO., LTD.
 INDIAN PUBLIC WORKS ENGINEERS

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

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM DIG BUNGLOW TO PARAMAT SPS (SHEET 1/4)

DRAWING NO.	SR. NO.
KAN-PPM-DBP-1	49

PLAN
SCALE= 1 : 1000

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

NOTE:
 1) ALL DIMENSIONS ARE IN METERS
 2) ALL THE LEVELS ARE IN METERS.



LEGEND

NEW OPEN LINE	---
EXISTING OPEN LINE	---
NEW CANAL	---
EXISTING CANAL	---
NEW DRAIN	---
EXISTING DRAIN	---
NEW TRENCH	---
EXISTING TRENCH	---
NEW STRUCTURE	---
EXISTING STRUCTURE	---
NEW ROAD	---
EXISTING ROAD	---
NEW FENCE	---
EXISTING FENCE	---
NEW WALL	---
EXISTING WALL	---
NEW GATE	---
EXISTING GATE	---
NEW VALVE	---
EXISTING VALVE	---
NEW PUMP	---
EXISTING PUMP	---
NEW WELL	---
EXISTING WELL	---
NEW TOWER	---
EXISTING TOWER	---

REFERENCE DRAWING:
 1) NEW CANAL AND DRAINAGE SYSTEM FOR THE CANAL RIVER IN THE REPUBLIC OF INDIA
 2) NEW CANAL AND DRAINAGE SYSTEM FOR THE CANAL RIVER IN THE REPUBLIC OF INDIA
 3) NEW CANAL AND DRAINAGE SYSTEM FOR THE CANAL RIVER IN THE REPUBLIC OF INDIA
 4) NEW CANAL AND DRAINAGE SYSTEM FOR THE CANAL RIVER IN THE REPUBLIC OF INDIA
 5) NEW CANAL AND DRAINAGE SYSTEM FOR THE CANAL RIVER IN THE REPUBLIC OF INDIA

NO.	DATE	DESCRIPTION	BY	CHECKED BY
1	11/11/2023	ISSUED FOR TENDERS	...	...
2	11/11/2023	REVISED	...	...
3	11/11/2023	REVISED	...	...
4	11/11/2023	REVISED	...	...
5	11/11/2023	REVISED	...	...
6	11/11/2023	REVISED	...	...
7	11/11/2023	REVISED	...	...
8	11/11/2023	REVISED	...	...
9	11/11/2023	REVISED	...	...
10	11/11/2023	REVISED	...	...

NO.	DATE	DESCRIPTION	BY	CHECKED BY
1	11/11/2023	ISSUED FOR TENDERS	...	...
2	11/11/2023	REVISED	...	...
3	11/11/2023	REVISED	...	...
4	11/11/2023	REVISED	...	...
5	11/11/2023	REVISED	...	...
6	11/11/2023	REVISED	...	...
7	11/11/2023	REVISED	...	...
8	11/11/2023	REVISED	...	...
9	11/11/2023	REVISED	...	...
10	11/11/2023	REVISED	...	...

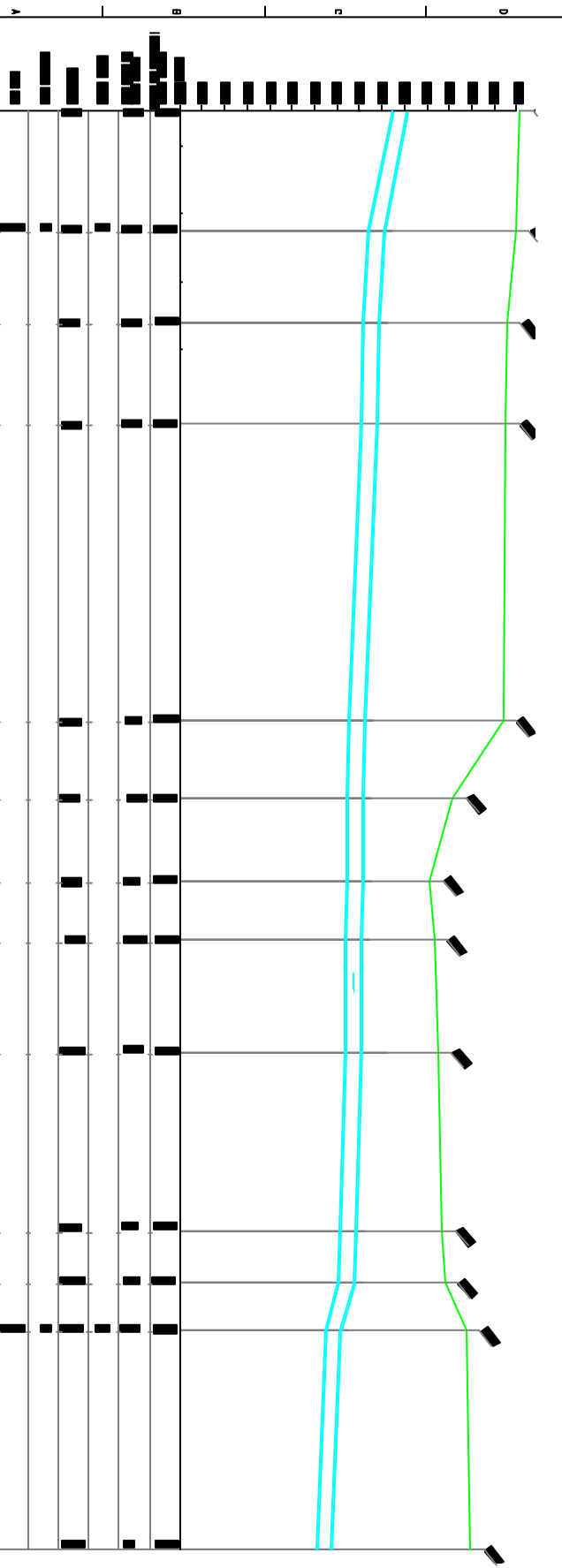
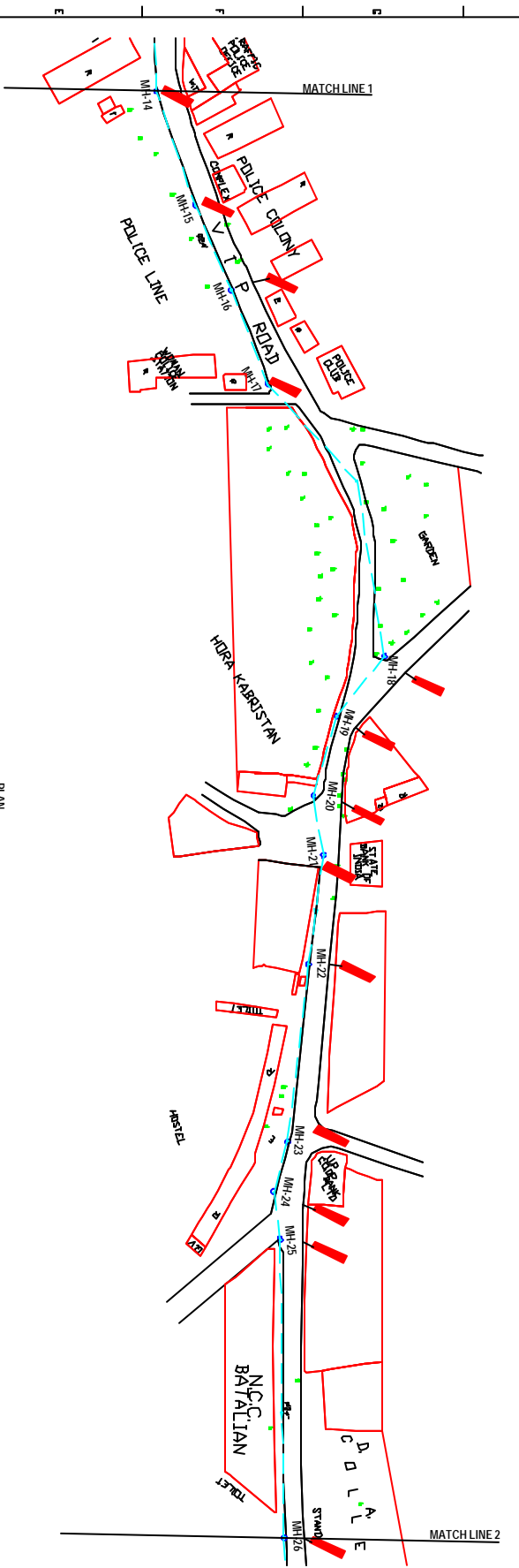
PROJECT:
 WATER QUALITY MANAGEMENT PLAN FOR CANAL RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR KANUR CITY

CLIENT:
 PLAN AND PROFILE OF KANUR CITY FROM THE BANGLOW TO PARANAI SIS
 SHEET 20

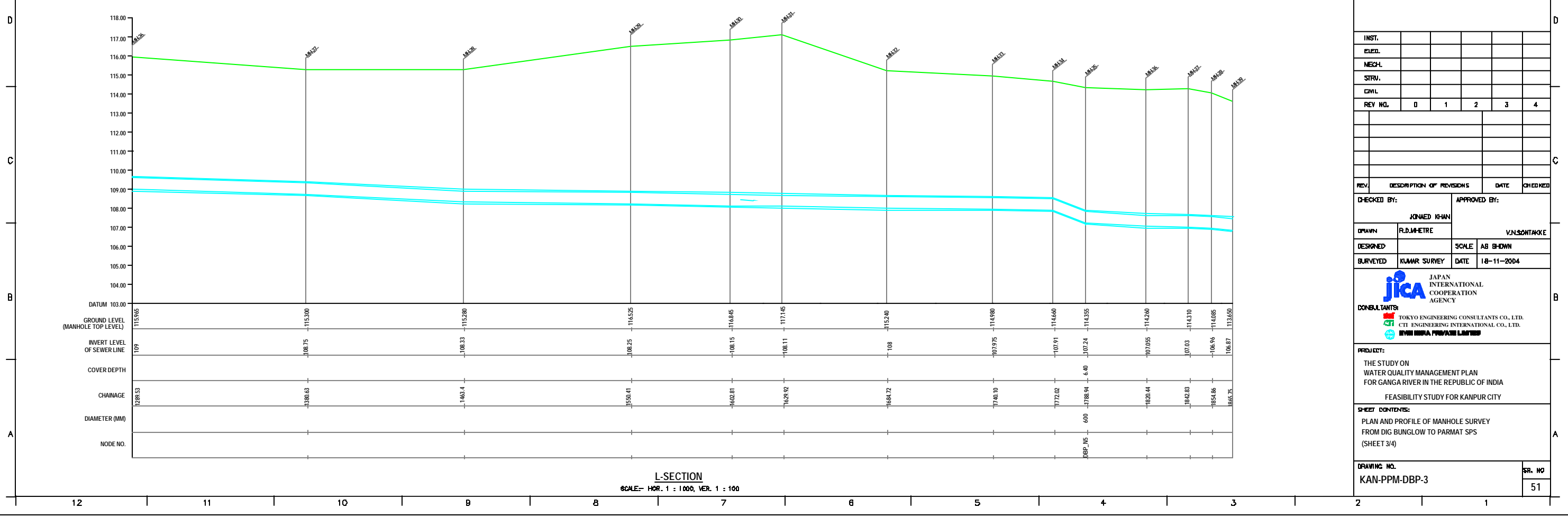
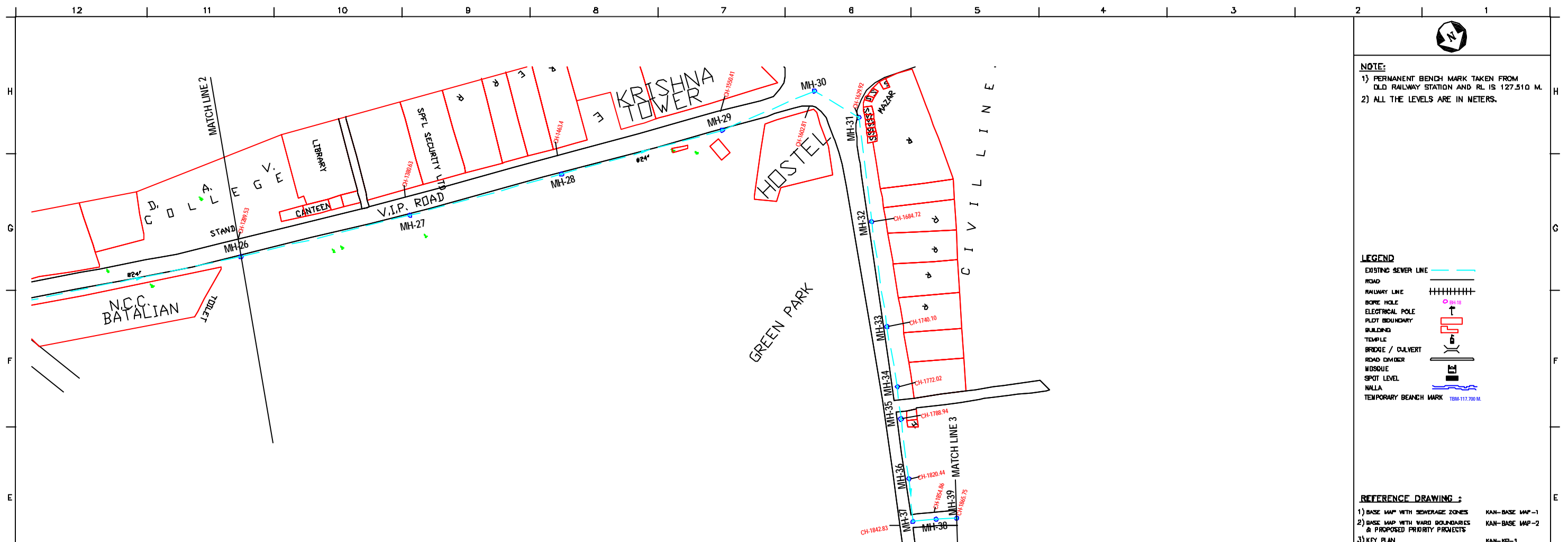
DRAWING NO:
 KAUPM-DBP-2

L SECTION
 SCALE: HORIZ. 1:1000 VERT. 1:100

PLAN
 SCALE: 1:1000



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



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

- LEGEND**
- EXISTING SEWER LINE
 - ROAD
 - RAILWAY LINE
 - BORE HOLE
 - ELECTRICAL POLE
 - PLOT BOUNDARY
 - BUILDING
 - TEMPLE
 - BRIDGE / CULVERT
 - ROAD DIVIDER
 - MOSQUE
 - SPOT LEVEL
 - NALLA
 - TEMPORARY BENCH MARK TBM-117.700 M.

- REFERENCE DRAWING :**
- 1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 - 3) KEY PLAN KAN-KEY-1
 - 4) DATCHMENT AREA KAN-CAN-01-1

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY: JUNAED KHAN			
APPROVED BY: V.N.SCHTAKKE			
DRAWN	R.D.METRE	SCALE	AS SHOWN
DESIGNED		DATE	18-11-2004

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 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 KANPUR CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM DIG BUNGLOW TO PARMAT SPS (SHEET 3/4)



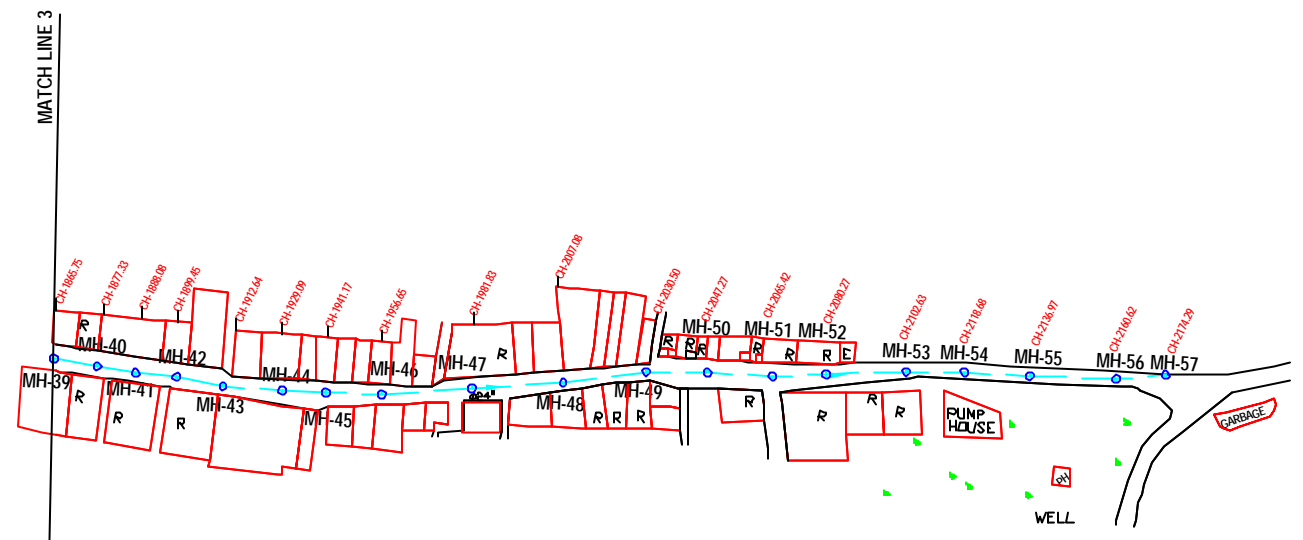
NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

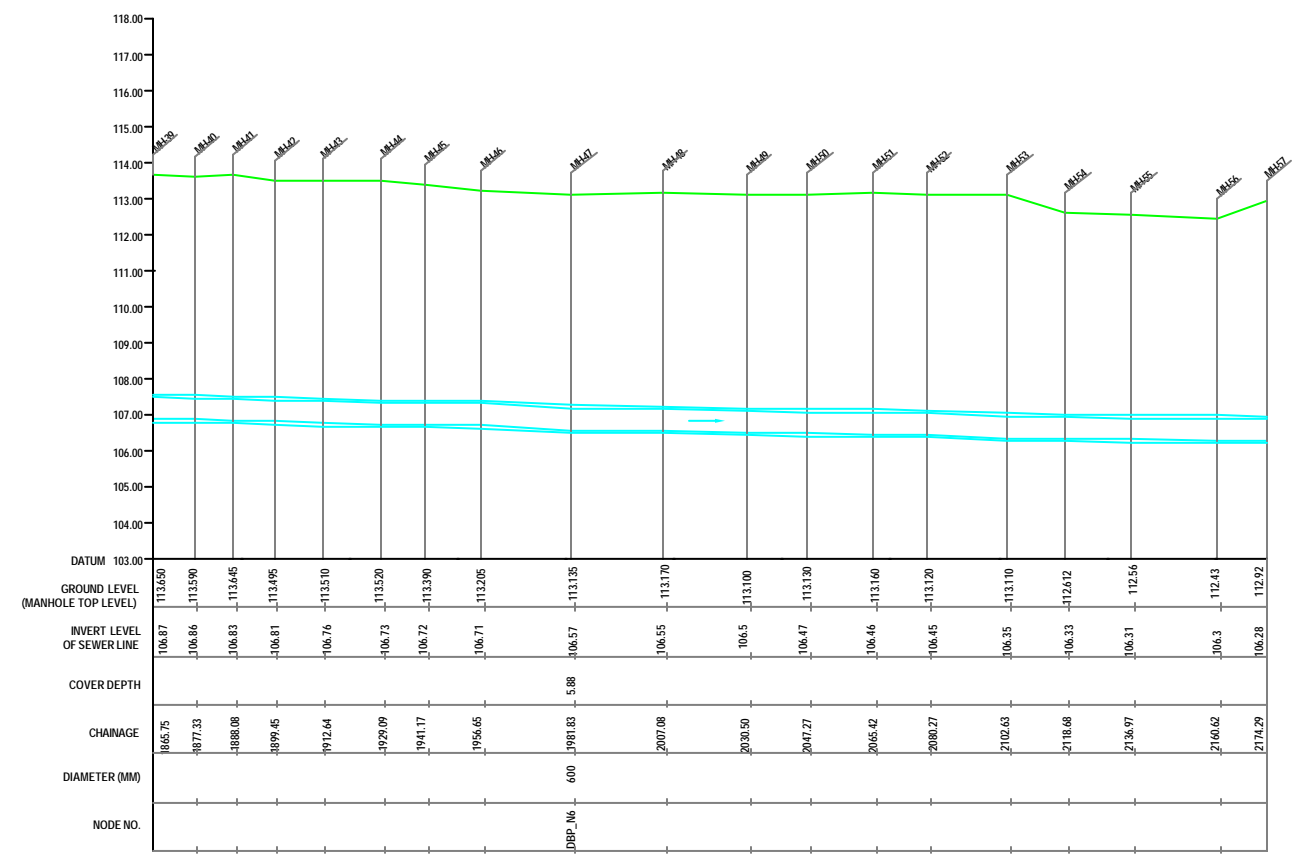
EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD CUMBER	
WINDMILL	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	

REFERENCE DRAWING :

1) BASE MAP WITH SEWERAGE ZONES	KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS	KAN-BASE MAP-2
3) KEY PLAN	KAN-KP-1
4) DATCHMENT AREA	KAN-CAN-D1-1



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:		APPROVED BY:	
JUNAED KHAN		V.N.SCHTAKKE	
DRAWN	R.D.METRE	SCALE	AS SHOWN
DESIGNED		DATE	18-11-2004

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 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 KANPUR CITY

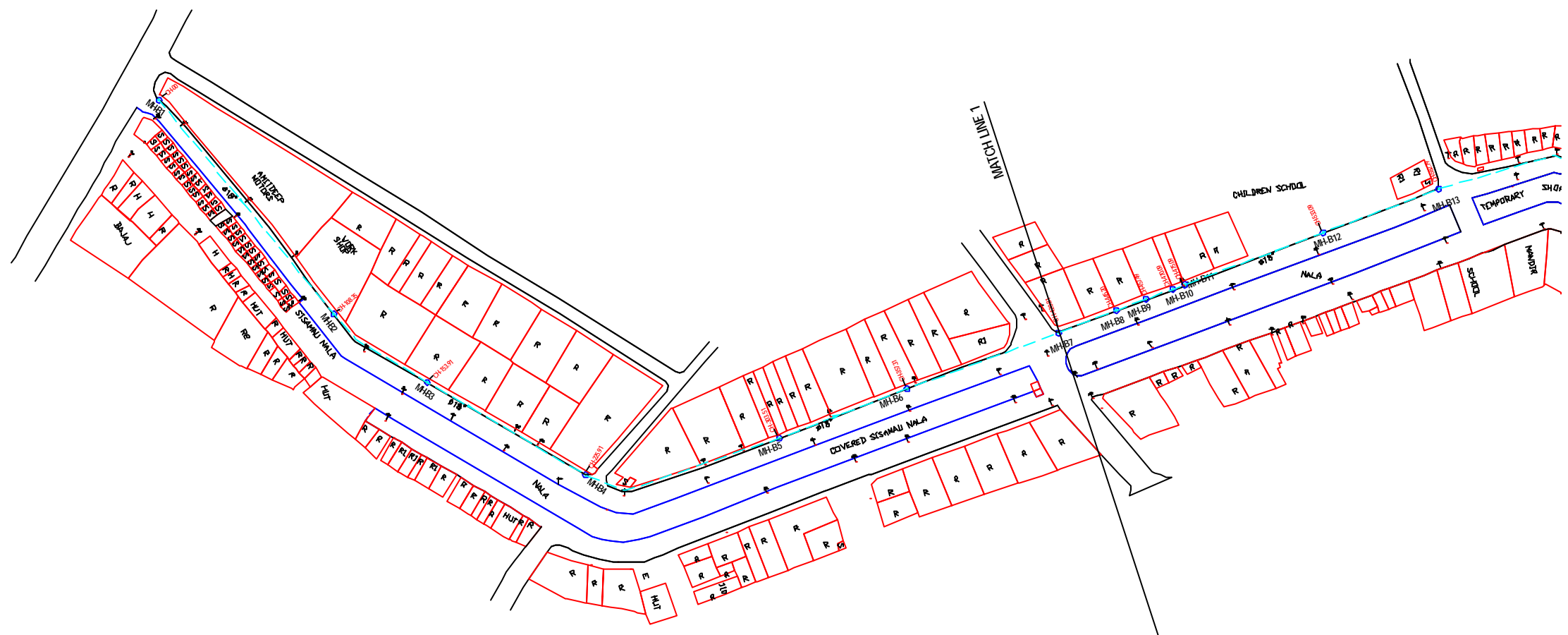
SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE UPGRADE FROM DIG BUNGLOW TO PARMAT SPS (SHEET 4/4)

DRAWING NO.	SR. NO.
KAN-PPM-DBP-4	52

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



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.



PLAN
 SCALE- 1 : 1000

LEGEND

EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
MOSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	

REFERENCE DRAWING :

1) BASE MAP WITH SEWERAGE ZONES	KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS	KAN-BASE MAP-2
3) KEY PLAN	KAN-KEY-1
4) DATCHMENT AREA	KAN-CAN-01-1

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY: JUNAED KHAN			
APPROVED BY: V.N.SCHTAKKE			
DRAWN	R.D.METRE	SCALE	AS SHOWN
DESIGNED		DATE	28-11-2004

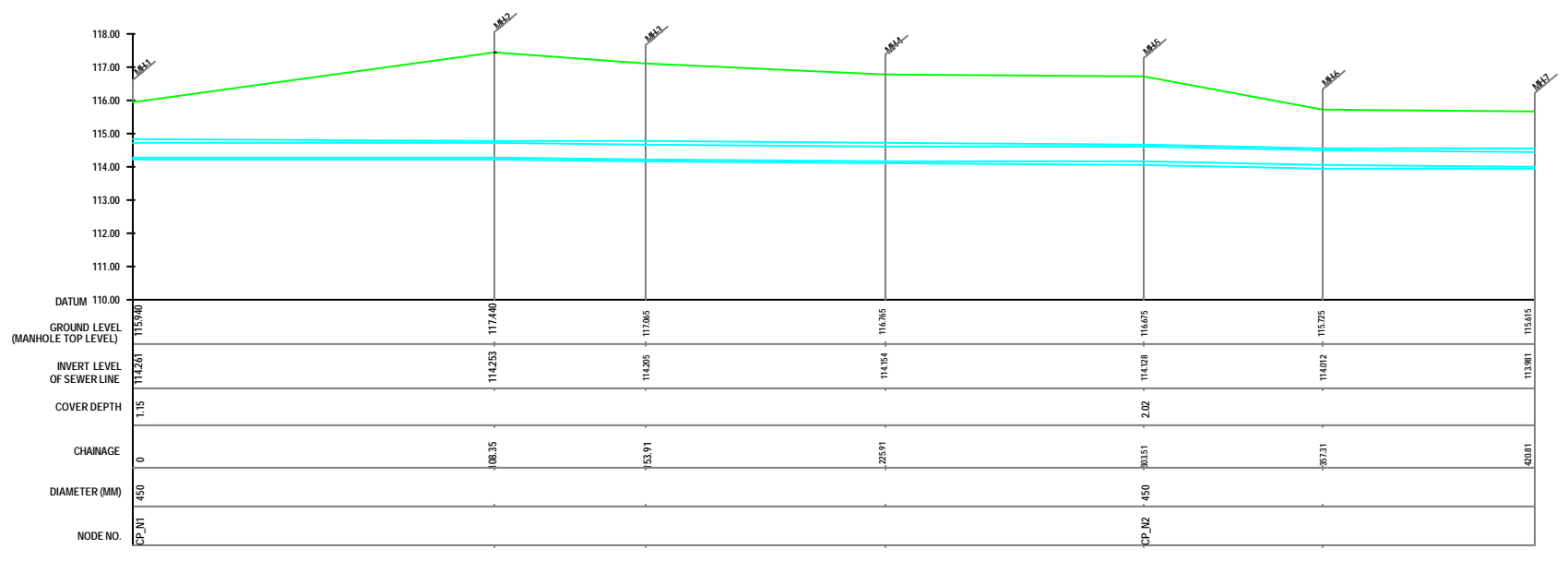
JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SIVS SIVS PRAKASHI LIMITED

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

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY
 FORM MACRAVAT GANJ TO SISAMAU NALA (VIP ROAD)
 (SHEET 1/2)

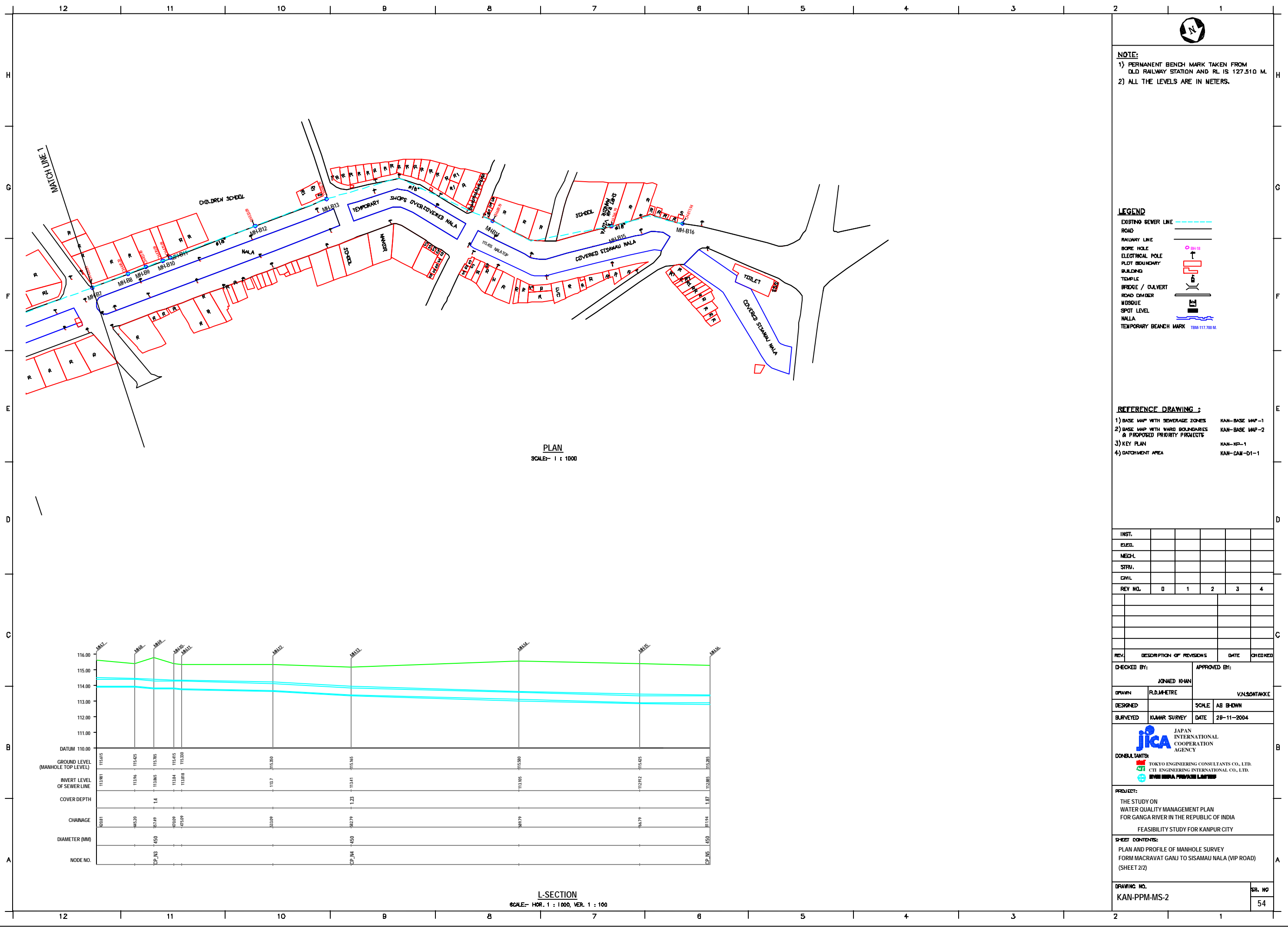
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SR. NO
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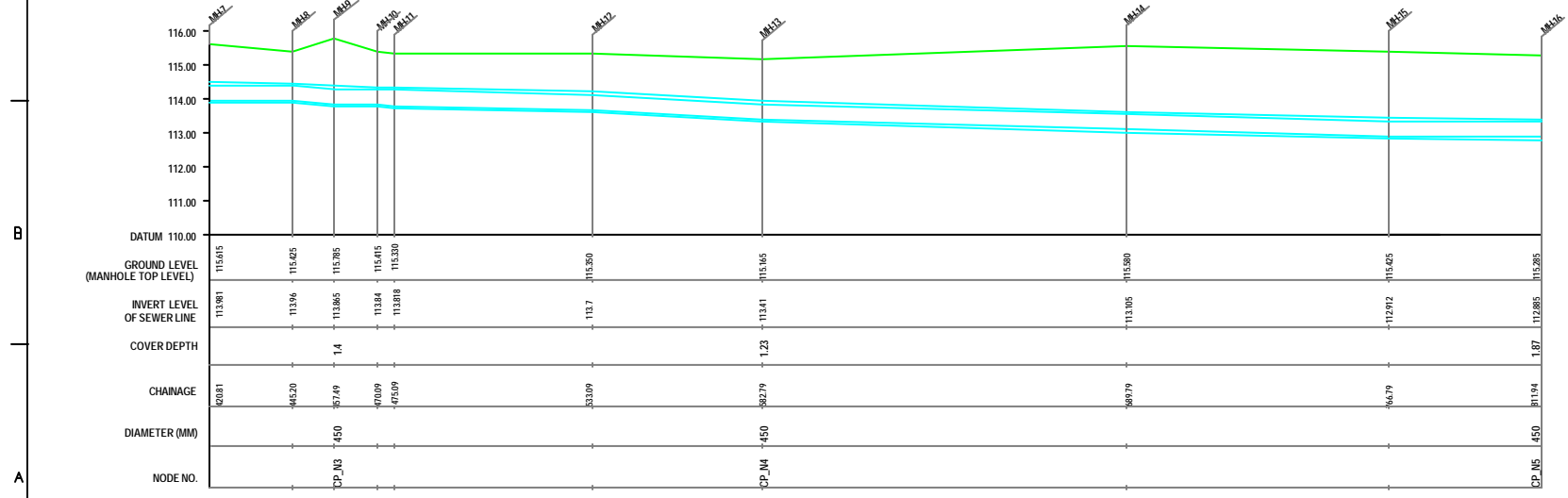


L-SECTION
 SCALE- HOR. 1 : 1000, VER. 1 : 100

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



PLAN
SCALE- 1 : 1000



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

NOTE:
1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD CUM DRAIN	
MOSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	TBM-117.700 M.

REFERENCE DRAWING :
1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
3) KEY PLAN KAN-KP-1
4) DATCHMENT AREA KAN-CAN-01-1

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY: JUNAED KHAN
APPROVED BY: V.N.SCHTAKKE
DRAWN: R.D.METRE
DESIGNED: SCALE: AS SHOWN
SURVEYED: KUMAR SURVEY DATE: 28-11-2004

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
TOKYO ENGINEERING CONSULTANTS CO., LTD.
CTI ENGINEERING INTERNATIONAL CO., LTD.
SANGHVI ENGINEERING PRIVATE LIMITED

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

SHEET CONTENTS:
PLAN AND PROFILE OF MANHOLE SURVEY FORM MACRAVAT GANJ TO SISAMAU NALA (VIP ROAD) (SHEET 2/2)

DRAWING NO. KAN-PPM-MS-2
SR. NO. 54

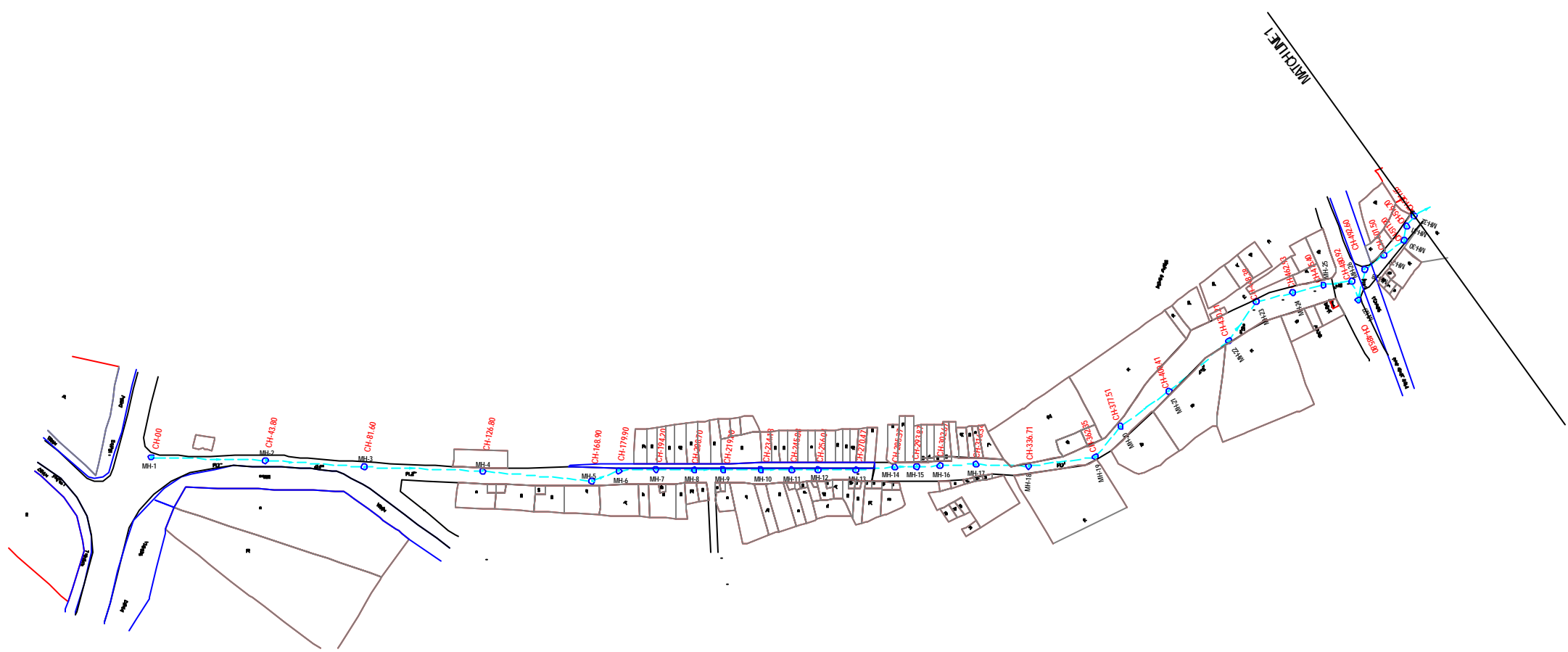


NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

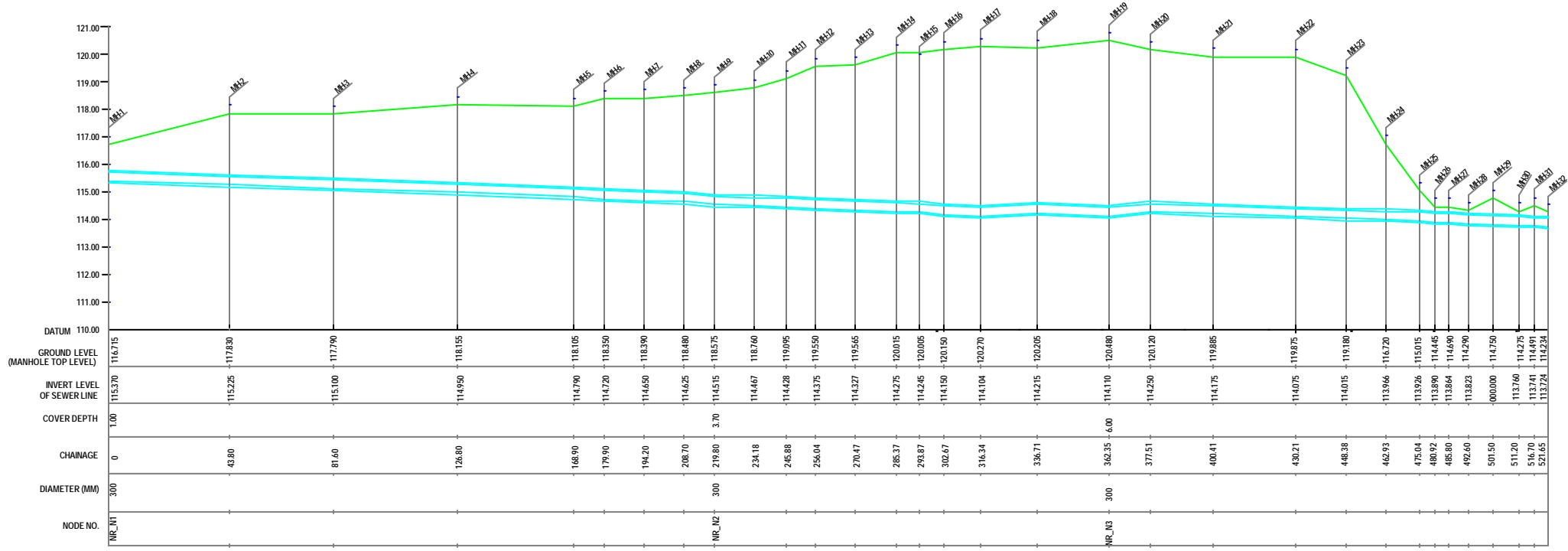
LEGEND

EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
MOSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	

REFERENCE DRAWING :
 1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 3) KEY PLAN KAN-KEY-1
 4) DATCHMENT AREA KAN-CAN-01-1



PLAN
 SCALE= 1 : 1000



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

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY:		APPROVED BY:	
JONMED KHAN		V.N.SCHTAKKE	
DRAWN	D.S.KURODKAR	SCALE	AS SHOWN
DESIGNED		DATE	18-11-2004

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 C.T.I. ENGINEERING INTERNATIONAL CO., LTD.
 INDIAN PUBLIC WORKS ENGINEERS ASSOCIATION

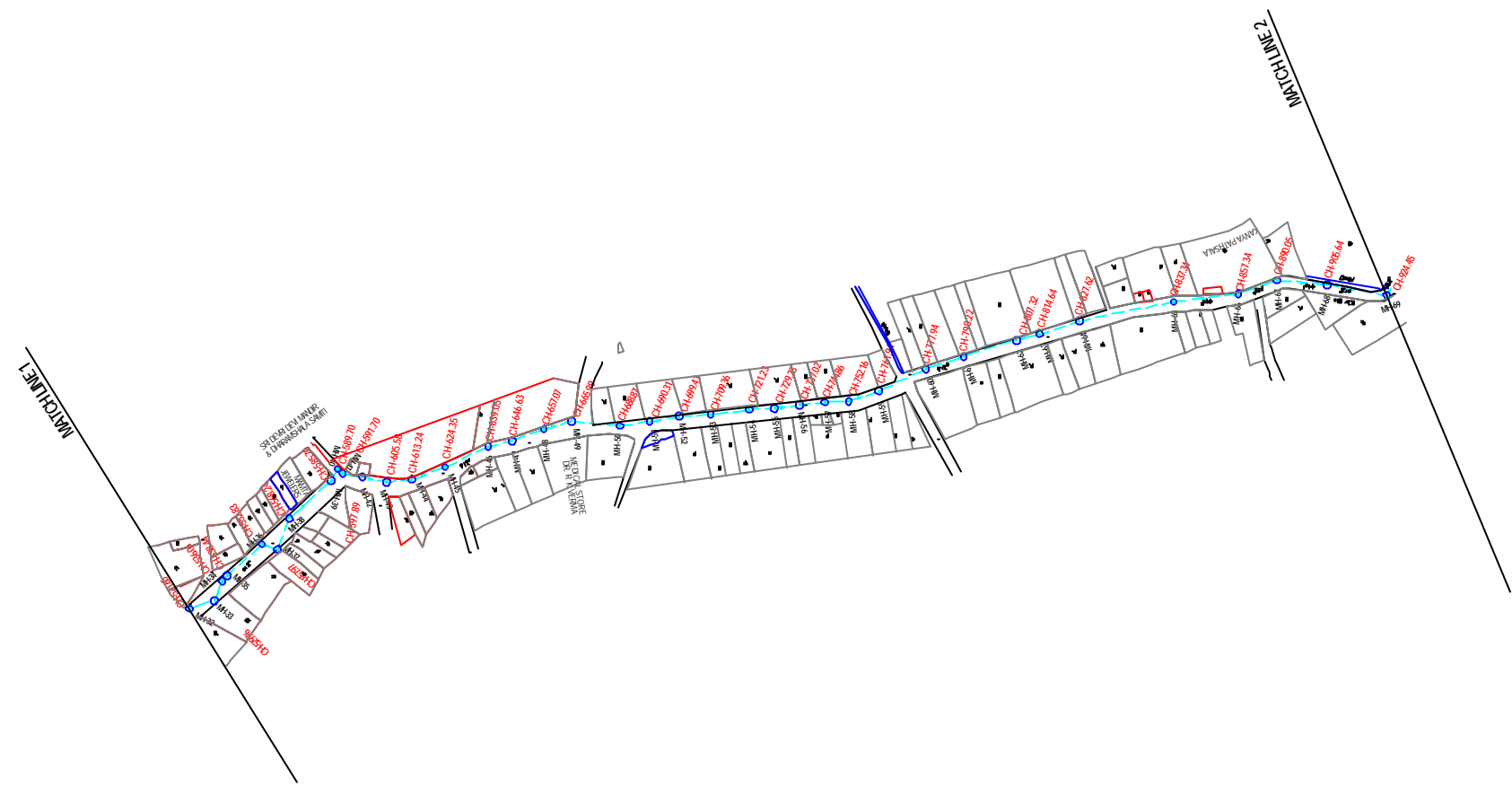
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR KANPUR CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM VIP ROAD TO NAWAB GANJ SPS VIA RANI GHAT (SHEET 1/3)

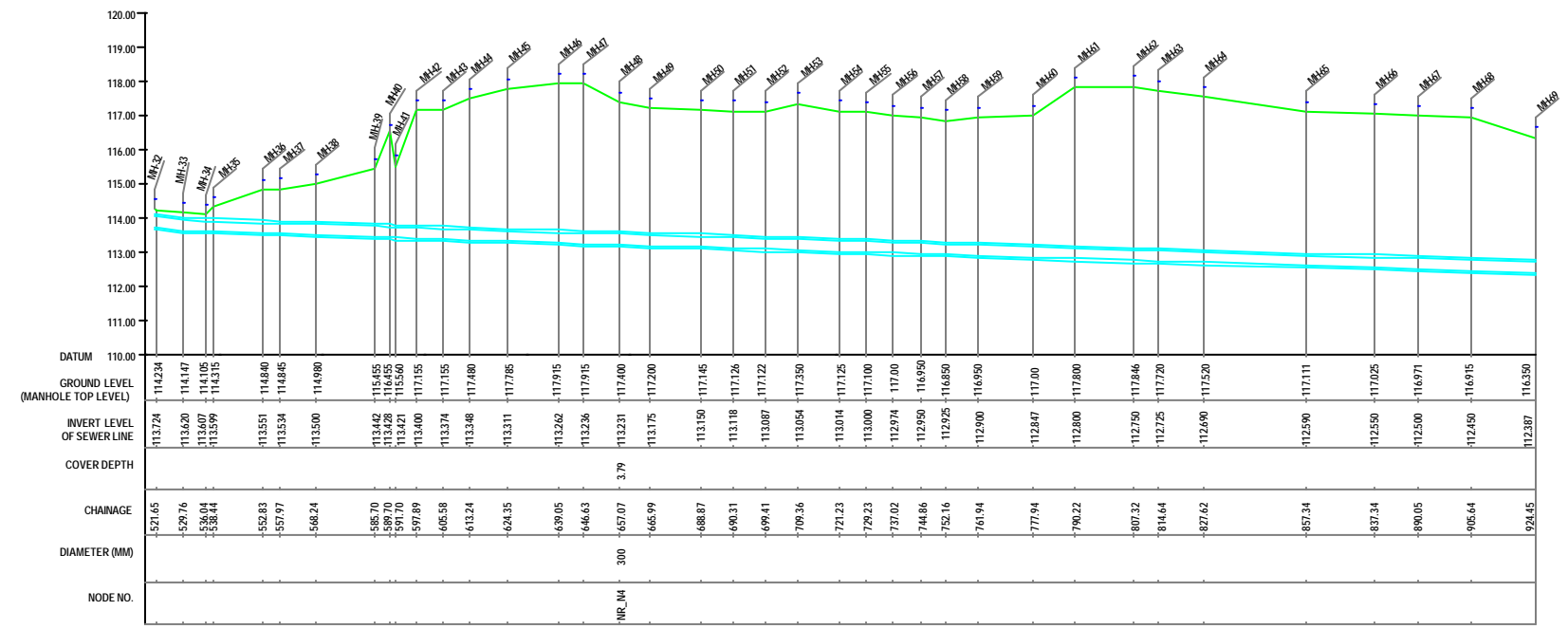
DRAWING NO.	SR. NO.
KAN-PPM-NR-1	55



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.



PLAN
 SCALE= 1 : 1000



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

LEGEND

EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
WIRE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD CUMVER	
MOSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	

REFERENCE DRAWING :
 1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 3) KEY PLAN KAN-KP-1
 4) DATCHMENT AREA KAN-CAN-D1-1

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY:	JUNAED KHAN		
APPROVED BY:	V.N.SCHTAKKE		
DRAWN	D.S.KURODKAR	SCALE	AS SHOWN
DESIGNED		DATE	18-11-2004
SURVEYED	KUMAR SURVEY		

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:

 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 C.T.I. ENGINEERING INTERNATIONAL CO., LTD.

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

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM VIP ROAD TO NAWAB GANJ SPS VIA RANI GHAT (SHEET 2/3)



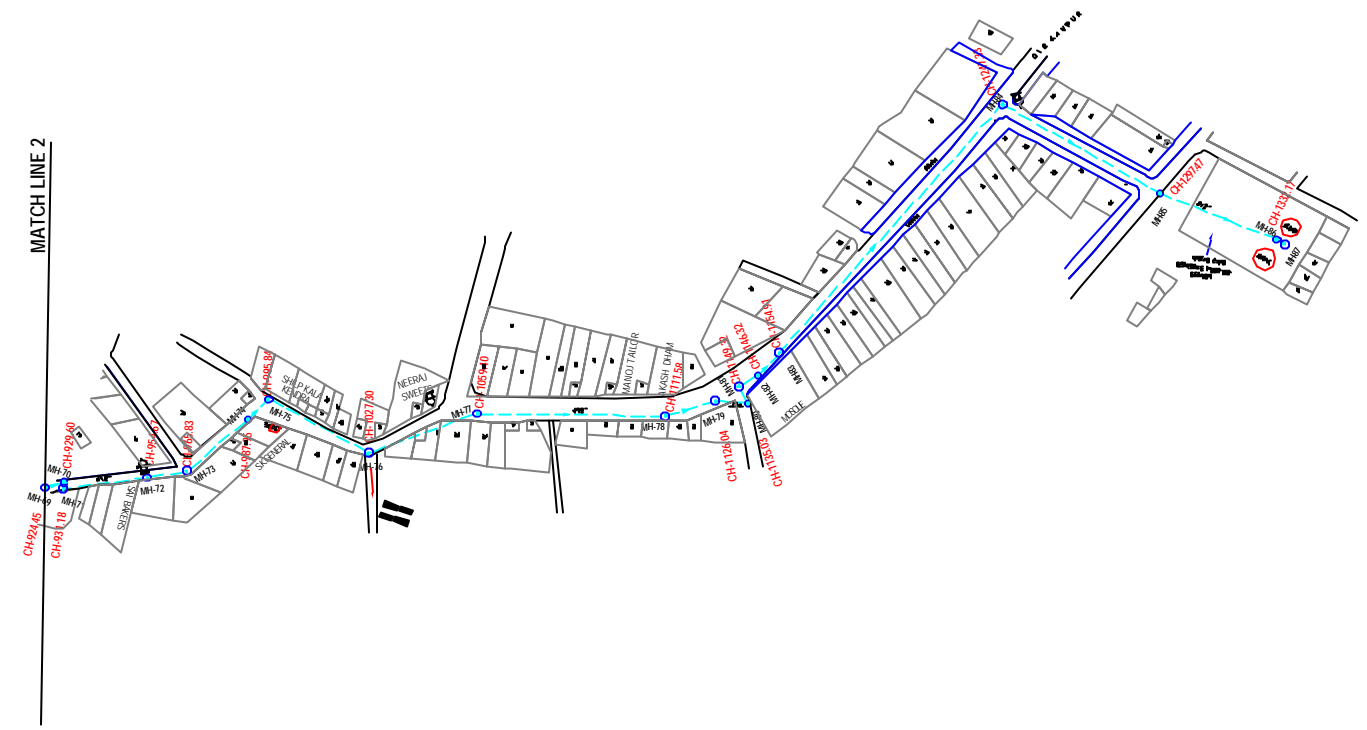
NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

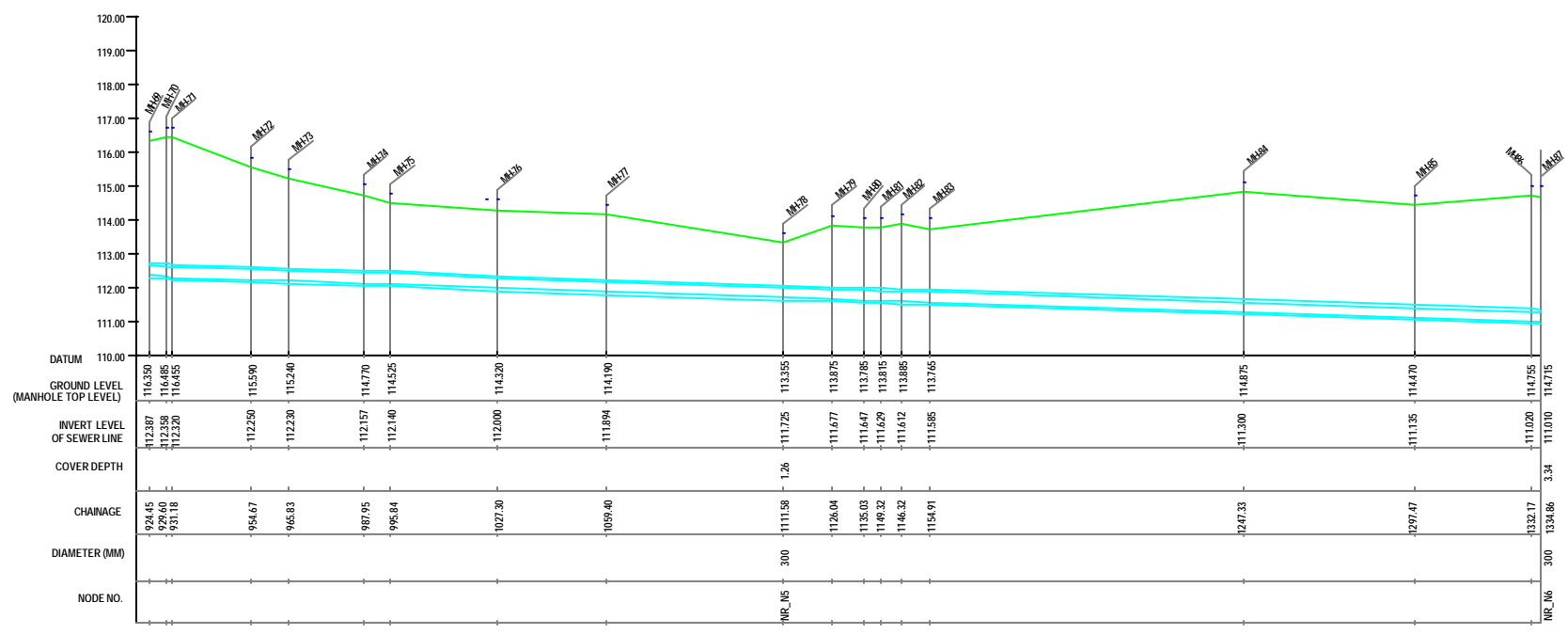
EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
INDUSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	

REFERENCE DRAWING :

1) BASE MAP WITH SEWERAGE ZONES	KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS	KAN-BASE MAP-2
3) KEY PLAN	KAN-KP-1
4) DATCHMENT AREA	KAN-CAN-01-1



PLAN
 SCALE- 1 : 1000



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

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY: **JUNAED KHAN**
 APPROVED BY: **V.N.SCHTAKKE**
 DRAWN: **D.S.LURDEKAR**
 DESIGNED: **SCALE AS SHOWN**
 SURVEYED: **KUMAR SURVEY DATE 18-11-2004**

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 C.T.I. ENGINEERING INTERNATIONAL CO., LTD.
 INDIAN PUBLIC WORKS ENGINEERS

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

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM VIP ROAD TO NAWAB GANJ SPS VIA RANI GHAT (SHEET 3/3)

DRAWING NO. **KAN-PPM-NR-3** SR. NO. **57**



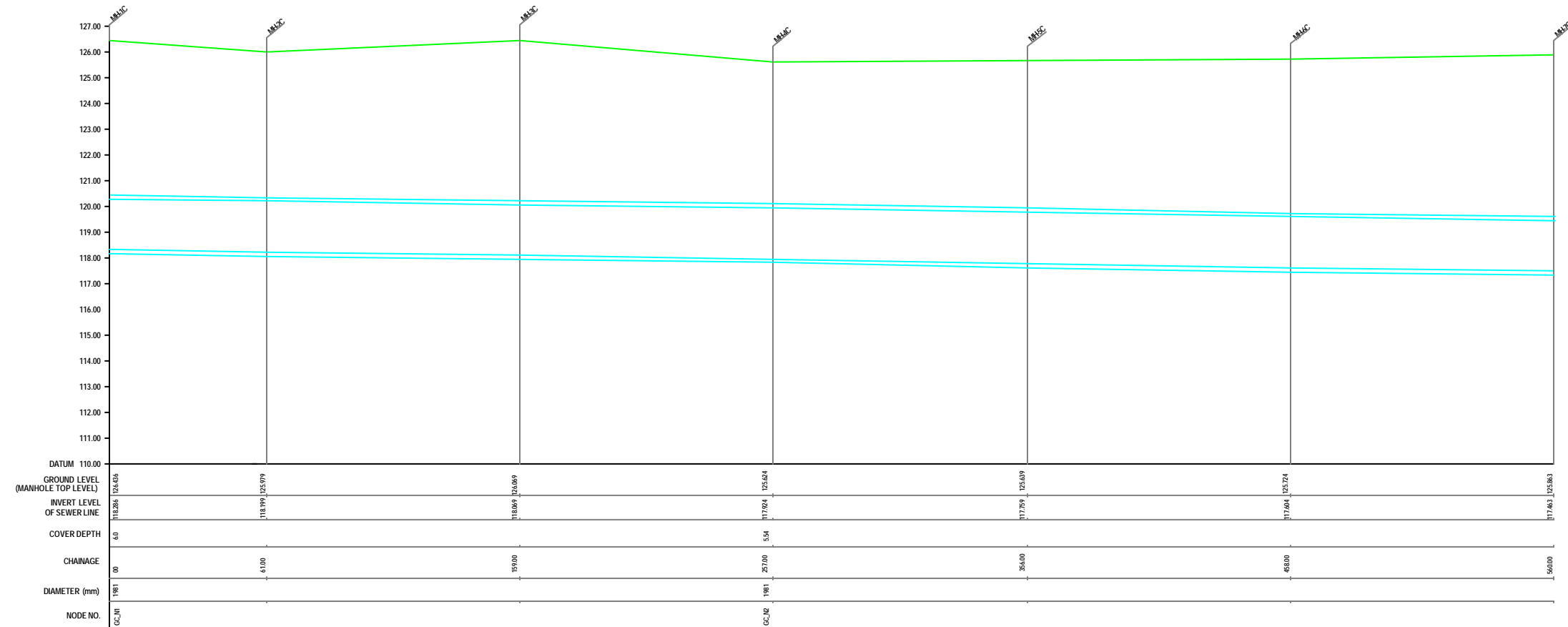
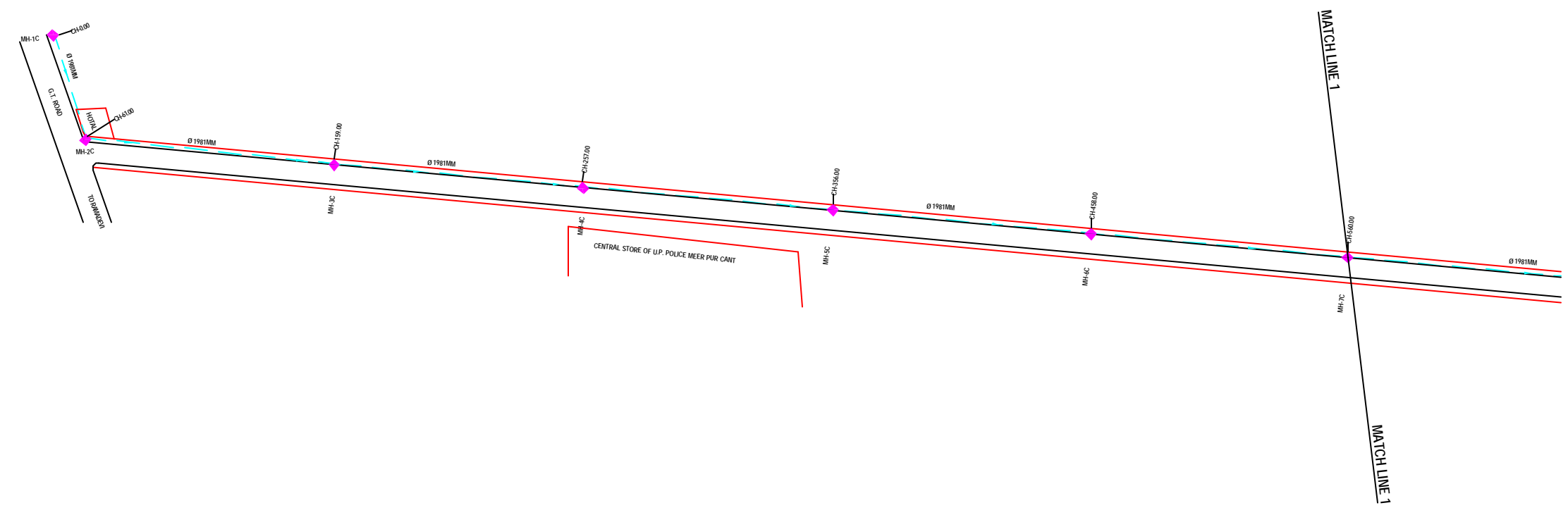
NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD CROSSING	
WINDMILL	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	
MANHOLE TOP COVER	

REFERENCE DRAWING :

1) BASE MAP WITH SEWERAGE ZONES	KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS	KAN-BASE MAP-2
3) KEY PLAN	KAN-KEY-1
4) DATCHMENT AREA	KAN-CAN-01-1



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

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

CHECKED BY:		APPROVED BY:	
JUNAED KHAN		V.N.SCHTAKKE	
DRAWN	R.D.METRE	SCALE	AS SHOWN
DESIGNED		DATE	18-11-2004
SURVEYED	VENTECH ENGR.		

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS:
 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 KANPUR CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM G.T. ROAD TO CANTONMENT (NEAR TUBE WELL NO.5) (SHEET 1/5)

DRAWING NO.
KAN-PPM-GC-1

SR. NO.
58



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD CUMBER	
MOSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	
MANHOLE TOP COVER	

REFERENCE DRAWING :

1) BASE MAP WITH SEWERAGE ZONES	KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS	KAN-BASE MAP-2
3) KEY PLAN	KAN-KP-1
4) DATCHMENT AREA	KAN-CAN-D1-1

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY: JOHNAED KHAN
APPROVED BY: V.N.SCHTAKKE
DRAWN: R.D.METRE
DESIGNED: SCALE AS SHOWN
BURVEYED: VENTECH ENGR. DATE 18-11-2004

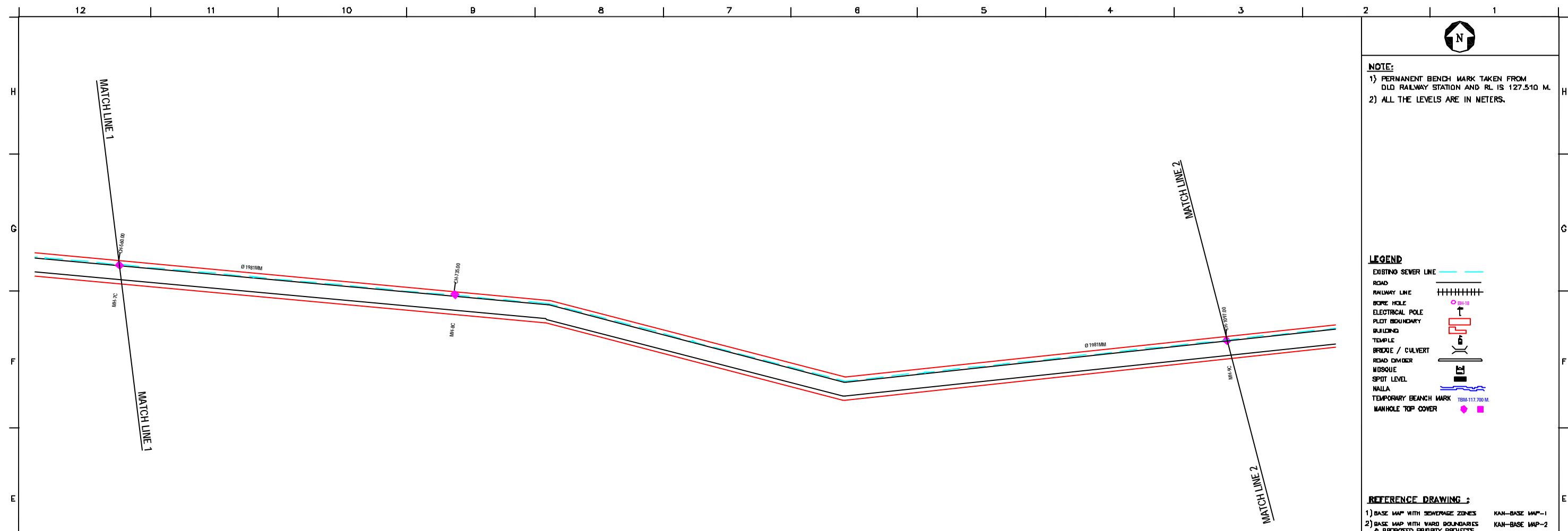
CONSULTANTS:

 JAPAN INTERNATIONAL COOPERATION AGENCY
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.

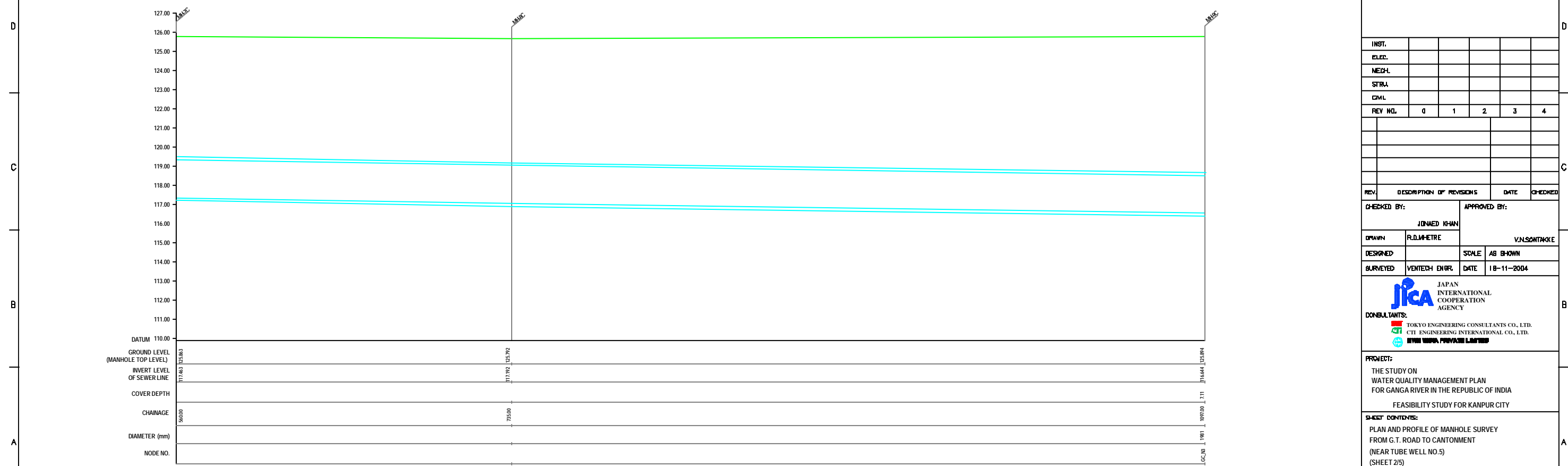
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR KANPUR CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM G.T. ROAD TO CANTONMENT (NEAR TUBE WELL NO.5) (SHEET 2/5)

DRAWING NO. KAN-PPM-GC-2
SR. NO. 59



PLAN
 SCALE= 1 : 1000



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



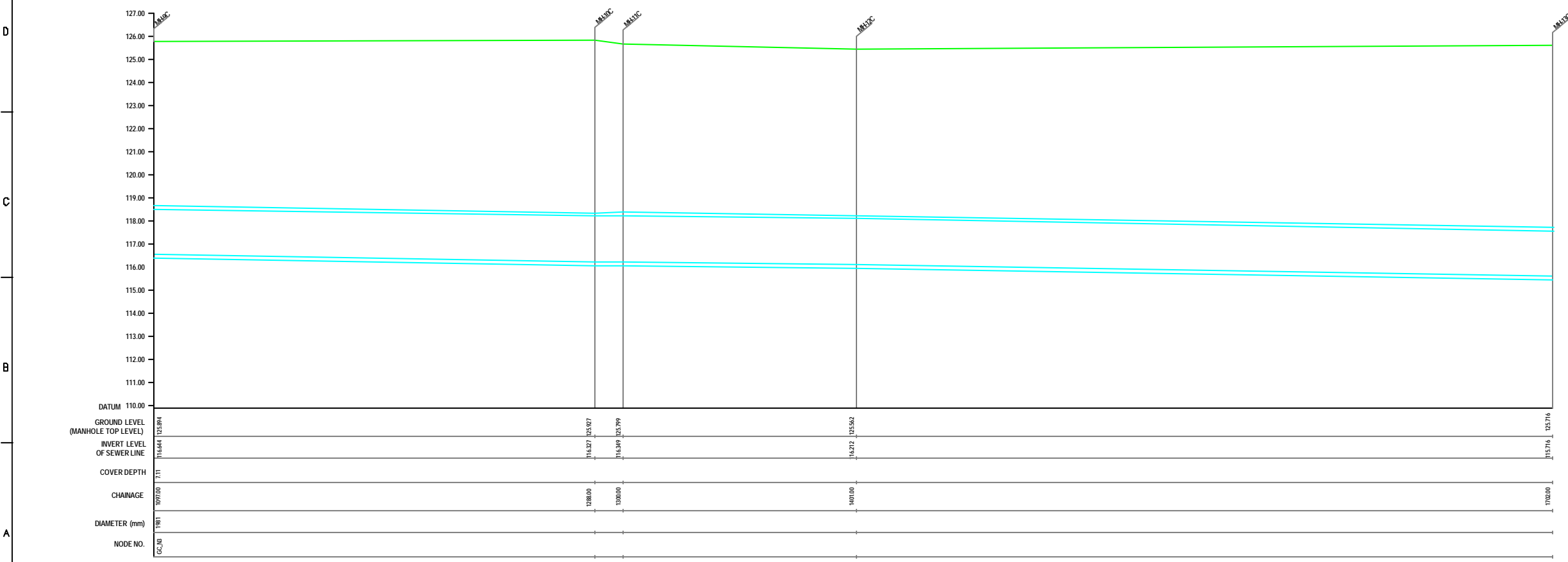
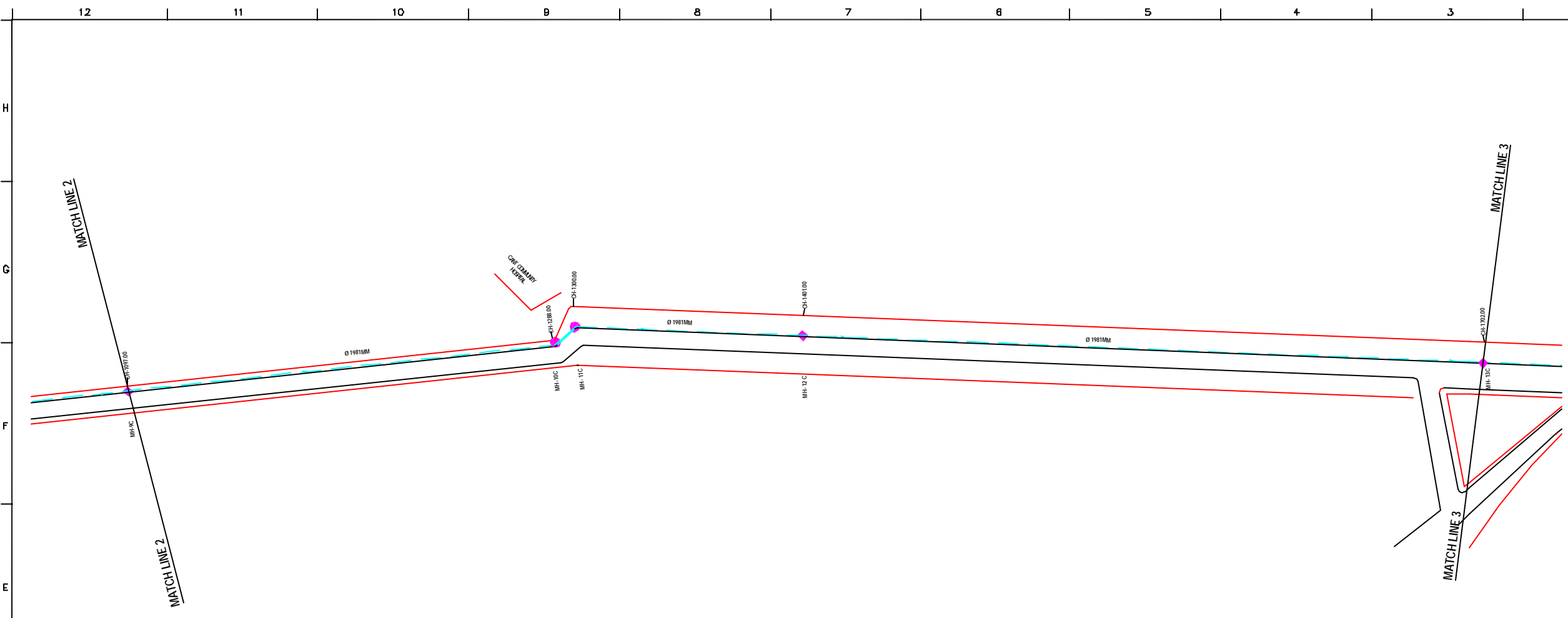
NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD CUMBER	
MOSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	
MANHOLE TOP COVER	

REFERENCE DRAWING :

1) BASE MAP WITH SEWERAGE ZONES	KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS	KAN-BASE MAP-2
3) KEY PLAN	KAN-KP-1
4) DATCHMENT AREA	KAN-CAN-D1-1



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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY:	JUNAED KHAN		
APPROVED BY:	V.N.SCHTAKKE		
DRAWN	R.D.METRE	SCALE	AS SHOWN
DESIGNED		DATE	18-11-2004

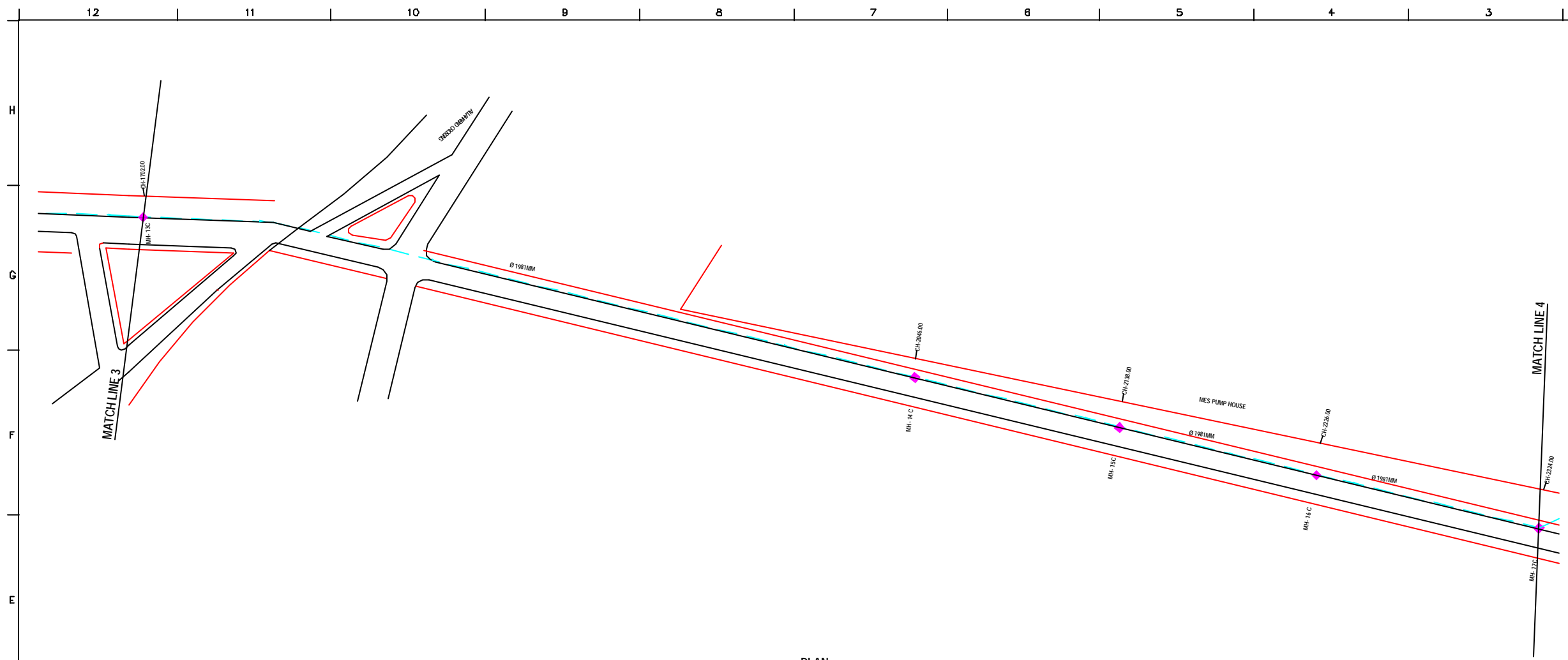
JICA INTERNATIONAL COOPERATION AGENCY

CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SIVAS PRAKASHI PARTNERS

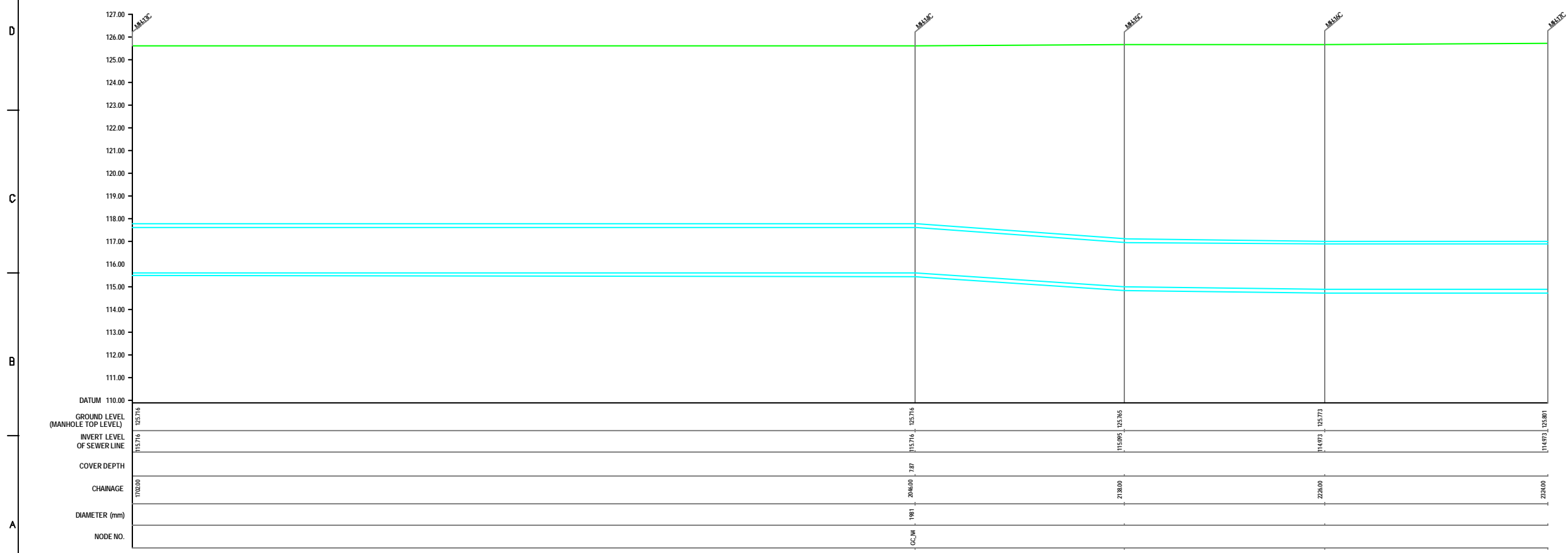
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR KANPUR CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM G.T. ROAD TO CANTONMENT (NEAR TUBE WELL NO.5) (SHEET 3/5)

DRAWING NO.	SR. NO.
KAN-PPM-GC-3	60



PLAN
SCALE= 1 : 1000



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

NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BENCH MARK	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
MOSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	
MANHOLE TOP COVER	

REFERENCE DRAWING :
 1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 3) KEY PLAN KAN-KP-1
 4) DATCHMENT AREA KAN-CAN-D1-1

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

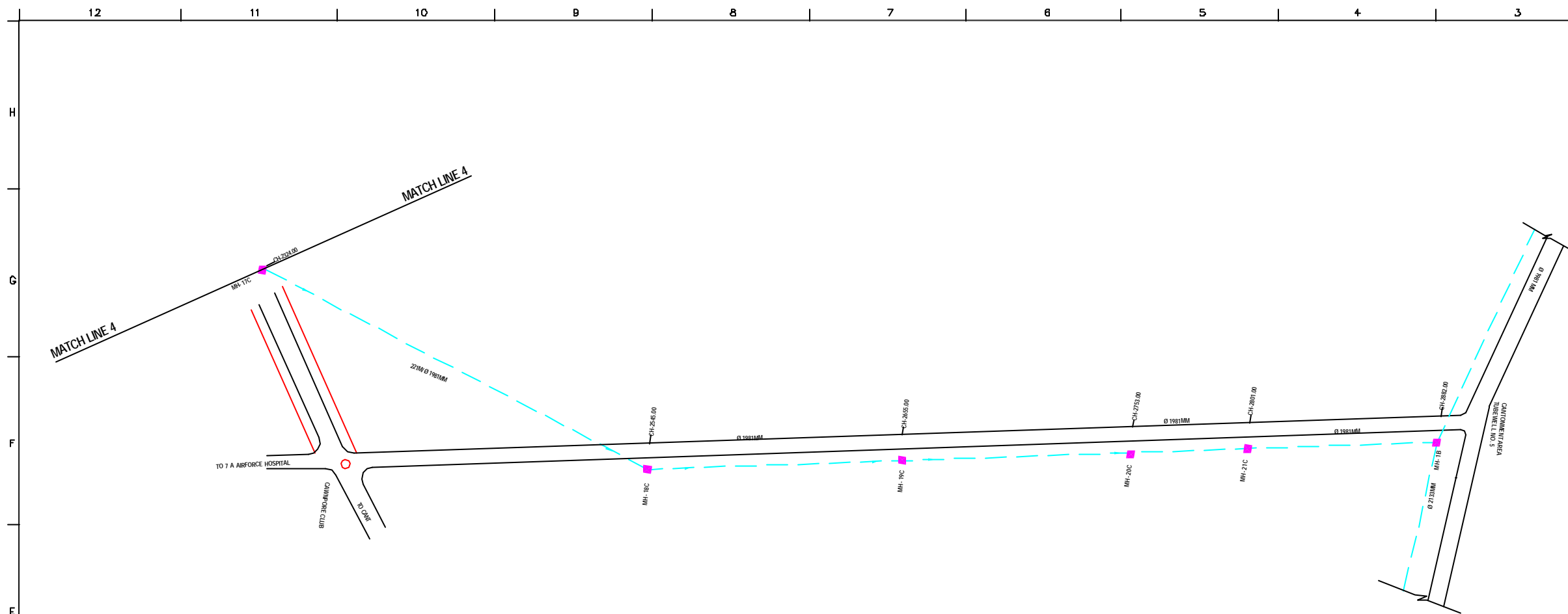
CHECKED BY:	APPROVED BY:
JUNAED KHAN	V.N.SCHTAKKE
DRAWN	R.D.METRE
DESIGNED	SCALE AS SHOWN
SURVEYED	DATE 18-11-2004

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

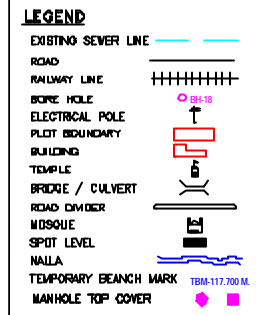
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR KANPUR CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM G.T. ROAD TO CANTONMENT (NEAR TUBE WELL NO.5) (SHEET 4/5)

DRAWING NO. KAN-PPM-GC-4
 SR. NO. 61

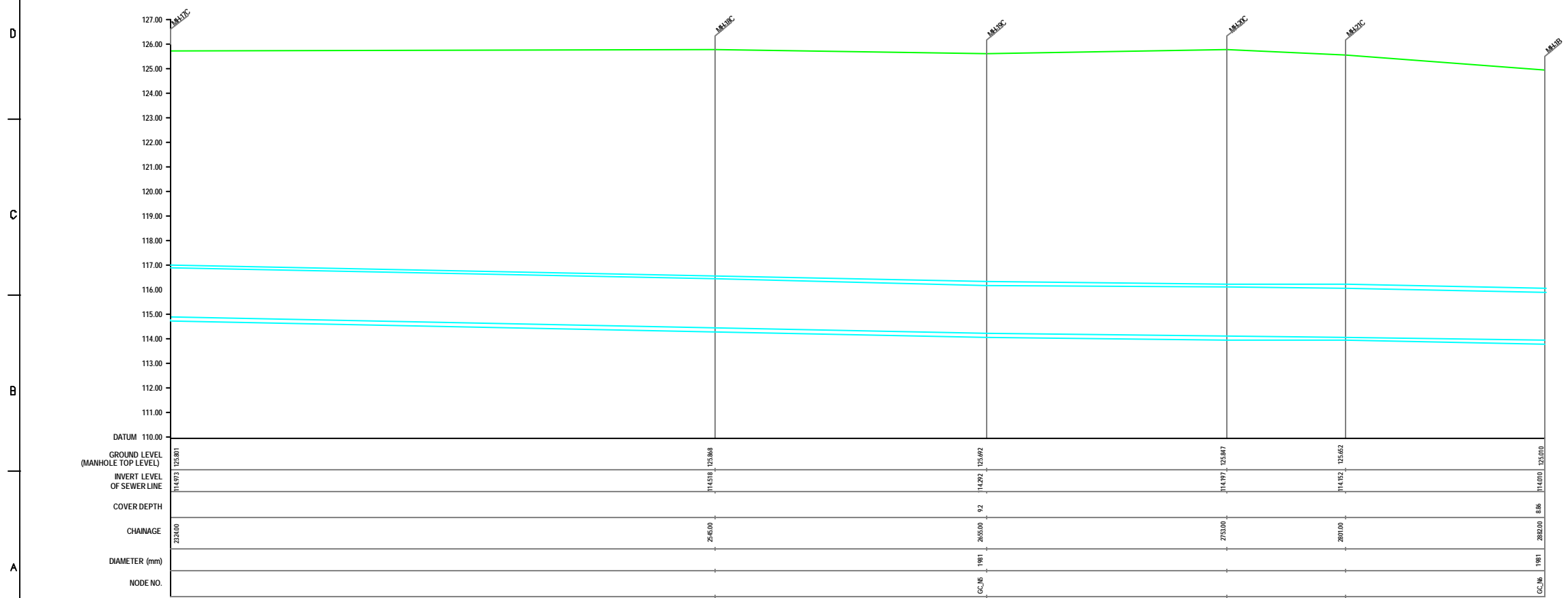


NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.



REFERENCE DRAWING :

- 1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
- 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
- 3) KEY PLAN KAN-KP-1
- 4) DATCHMENT AREA KAN-CAN-01-1



L-SECTION
 SCALE- HOR. 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: **JOHNAED KHAN**
 APPROVED BY: **V.N.SCHTAKKE**
 DRAWN: **R.D.METRE**
 DESIGNED: **SCALE AS SHOWN**
 SURVEYED: **VENTECH ENGR. DATE 18-11-2004**



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

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM G.T. ROAD TO CANTONMENT (NEAR TUBE WELL NO.5) (SHEET 5/5)

DRAWING NO. **KAN-PPM-GC-5** SR. NO. **62**



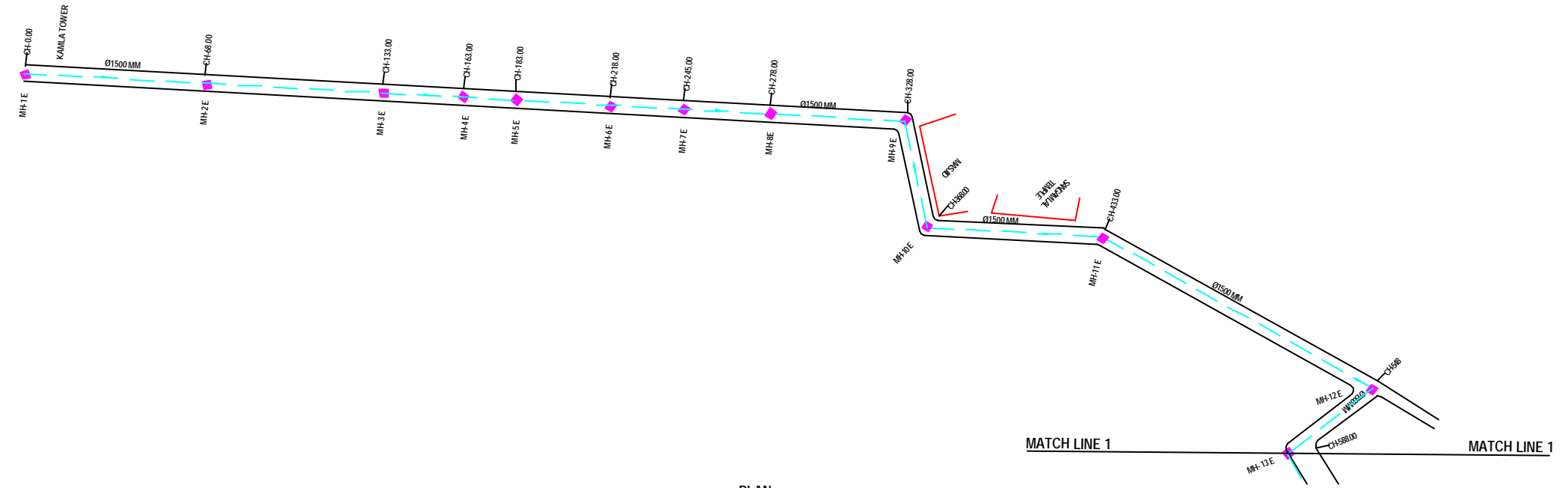
NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

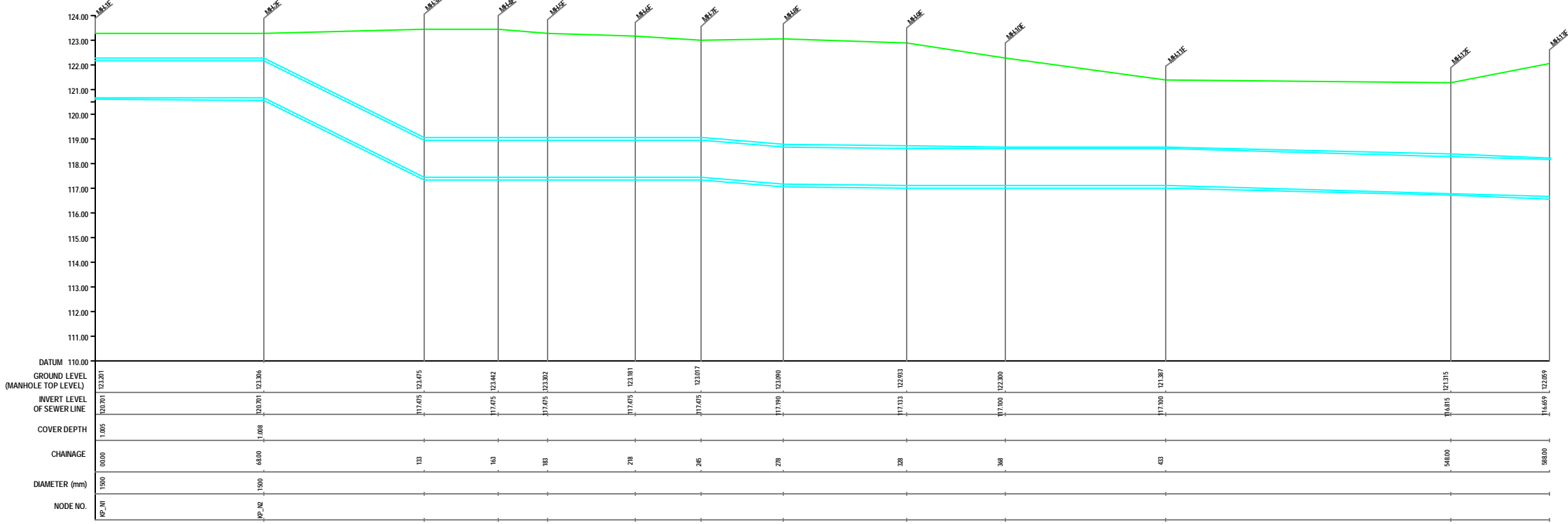
EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD CUMBER	
HOUSE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	
MANHOLE TOP COVER	

REFERENCE DRAWING :

1) BASE MAP WITH SEWERAGE ZONES	KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS	KAN-BASE MAP-2
3) KEY PLAN	KAN-KP-1
4) DATCHMENT AREA	KAN-CAN-01-1



PLAN
SCALE= 1 : 1000



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

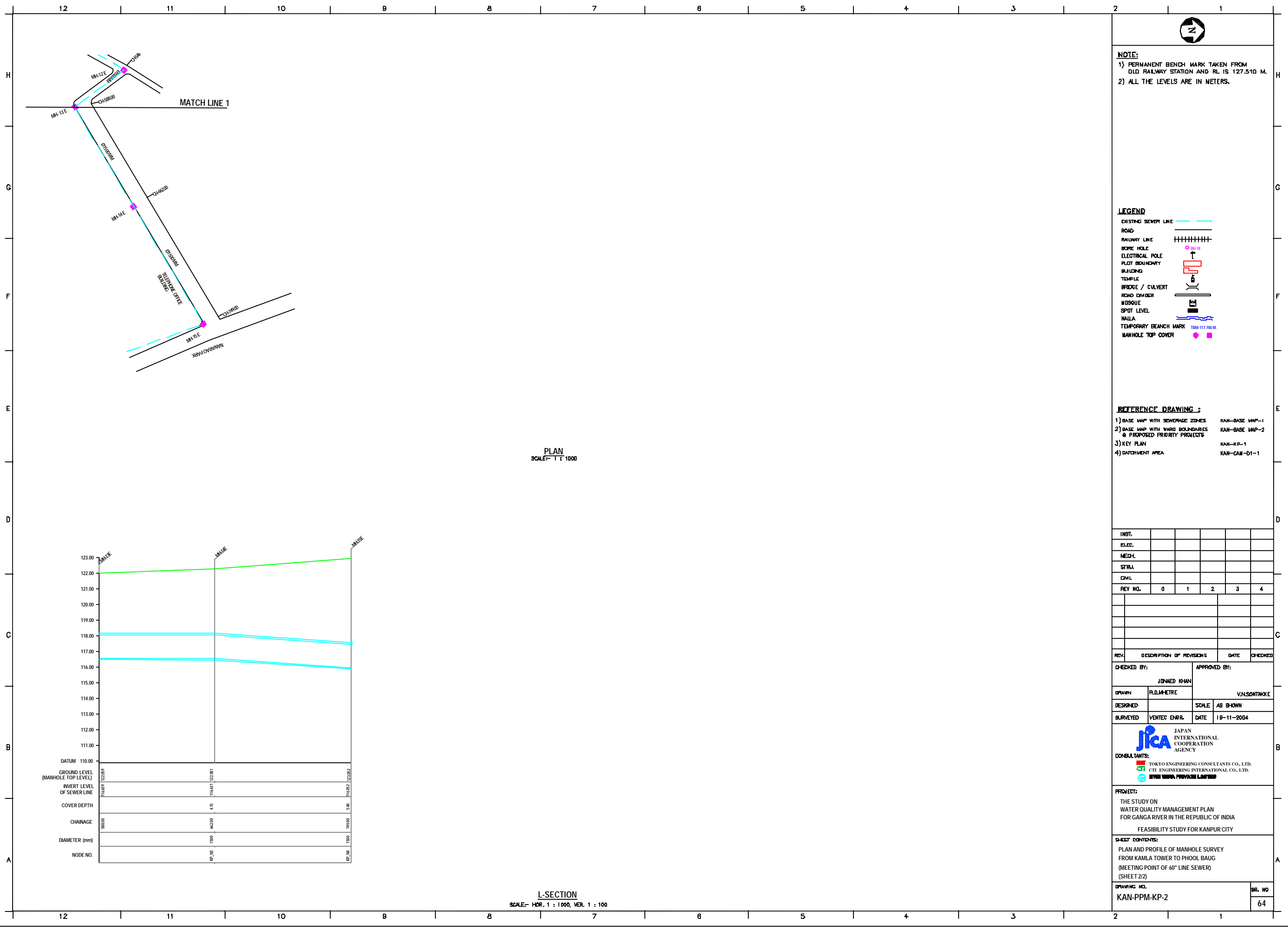
INST.					
ELEC.					
MECH.					
STR.					
CIVL.					
REV. NO.	0	1	2	3	4

CHECKED BY:	APPROVED BY:
JOHNEED KHAN	V.N.SCHTAKKE
DRAWN: R.D.METRE	SCALE: AS SHOWN
DESIGNED:	DATE: 18-11-2004
SURVEYED: VENTEC ENGR.	

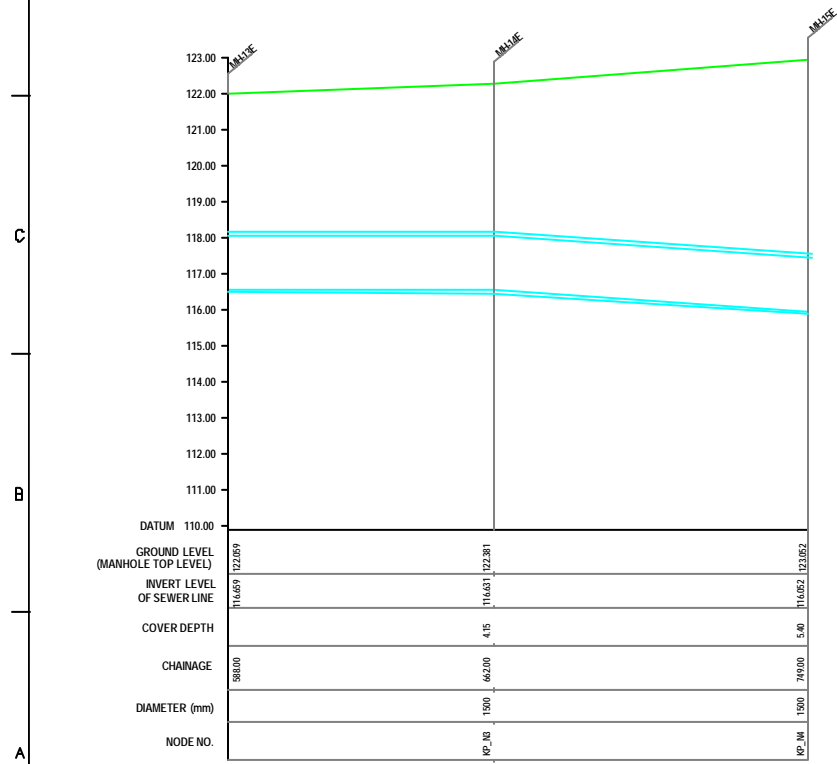
JICA INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SIVAS SIVAS PRAVAAS LIMITED

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

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM KAILA TOWER TO PHOOL BAUG (MEETING POINT OF 60" LINE SEWER) (SHEET 1/2)



PLAN
SCALE= 1 : 1000



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

NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD CUMBER	
WDSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	
MANHOLE TOP COVER	

REFERENCE DRAWING :
 1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 3) KEY PLAN KAN-KP-1
 4) DATCHMENT AREA KAN-CAN-01-1

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

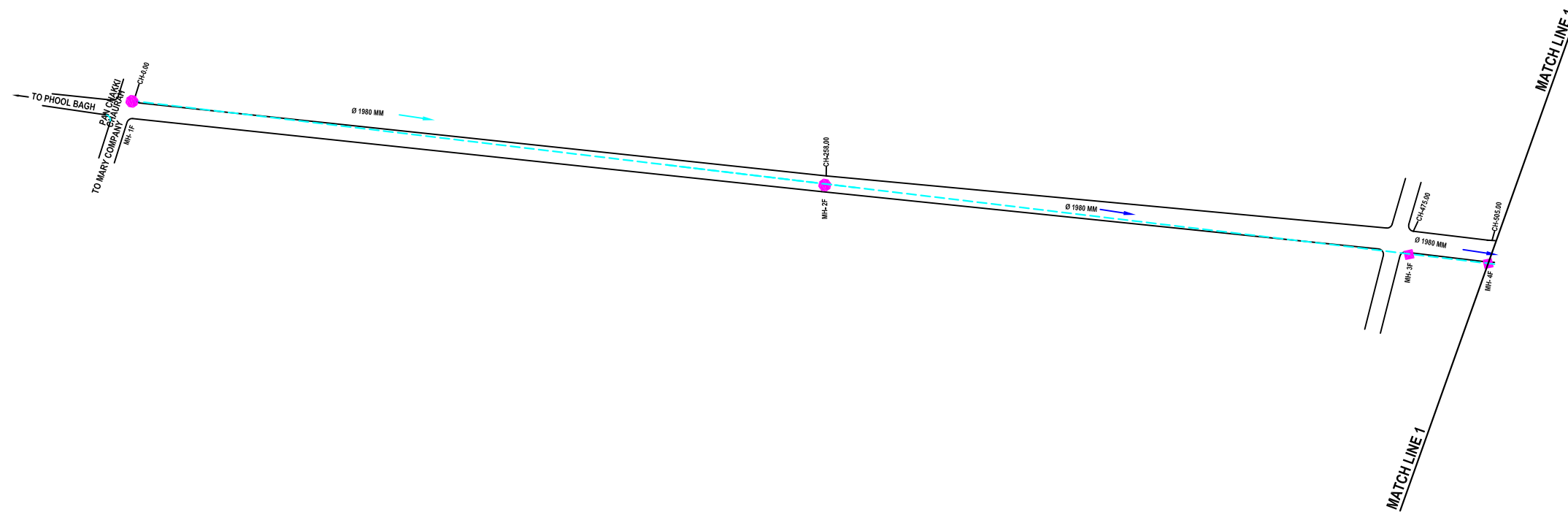
CHECKED BY: **JOHNEED KHAN**
 APPROVED BY: **V.N.SCHTAKKE**
 DRAWN: **R.D.METRE**
 DESIGNED: **SCALE AS SHOWN**
 SURVEYED: **VENTEC ENGR. DATE 18-11-2004**

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

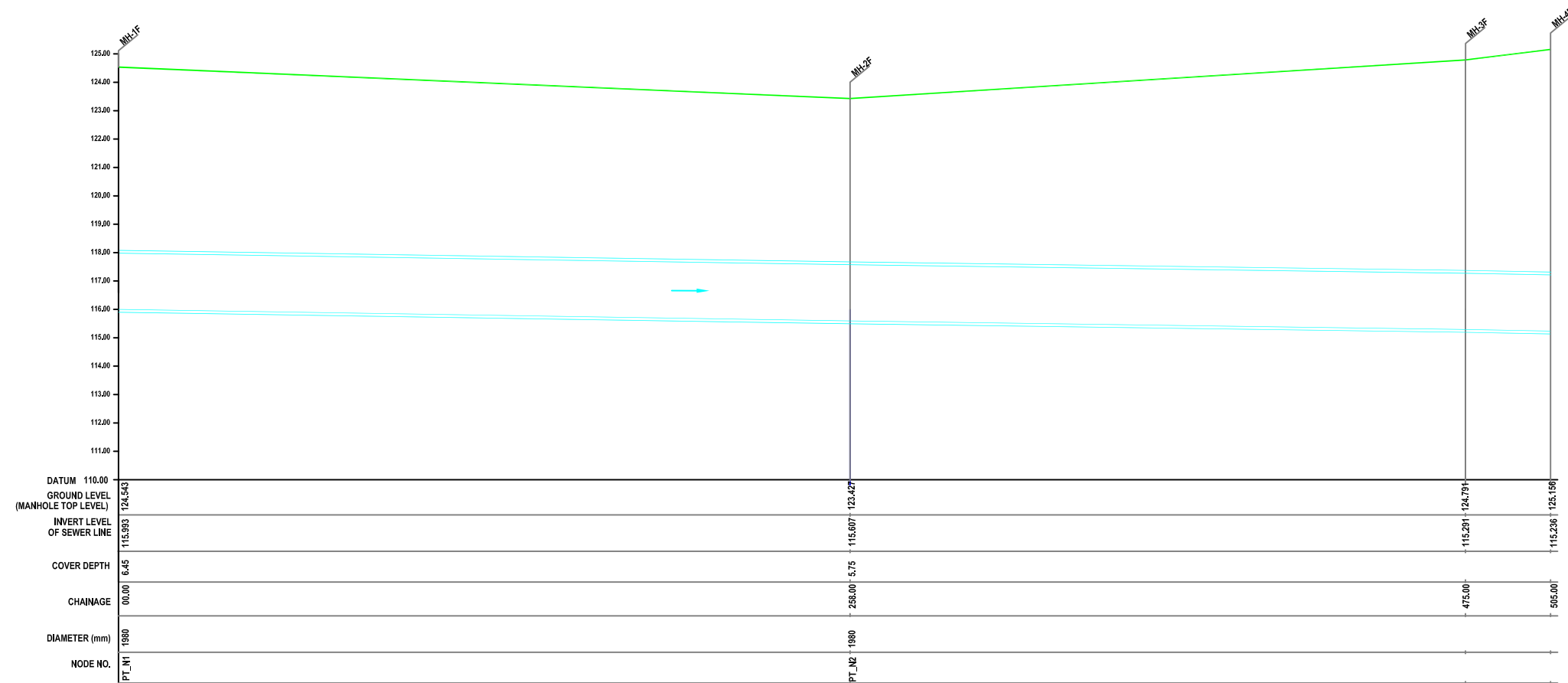
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR KANPUR CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM KAMLA TOWER TO PHOOL BAUG (MEETING POINT OF 60" LINE SEWER) (SHEET 2/2)

DRAWING NO. **KAN-PPM-KP-2** SR. NO. **64**



PLAN
SCALE: 1 : 1000



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

NOTE:
1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	
RAOD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
MOSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	
MANHOLE TOP COVER	

REFERENCE DRAWING :
1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
3) KEY PLAN KAN-KP-1
4) CATCHMENT AREA KAN-CAM-D1-1

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

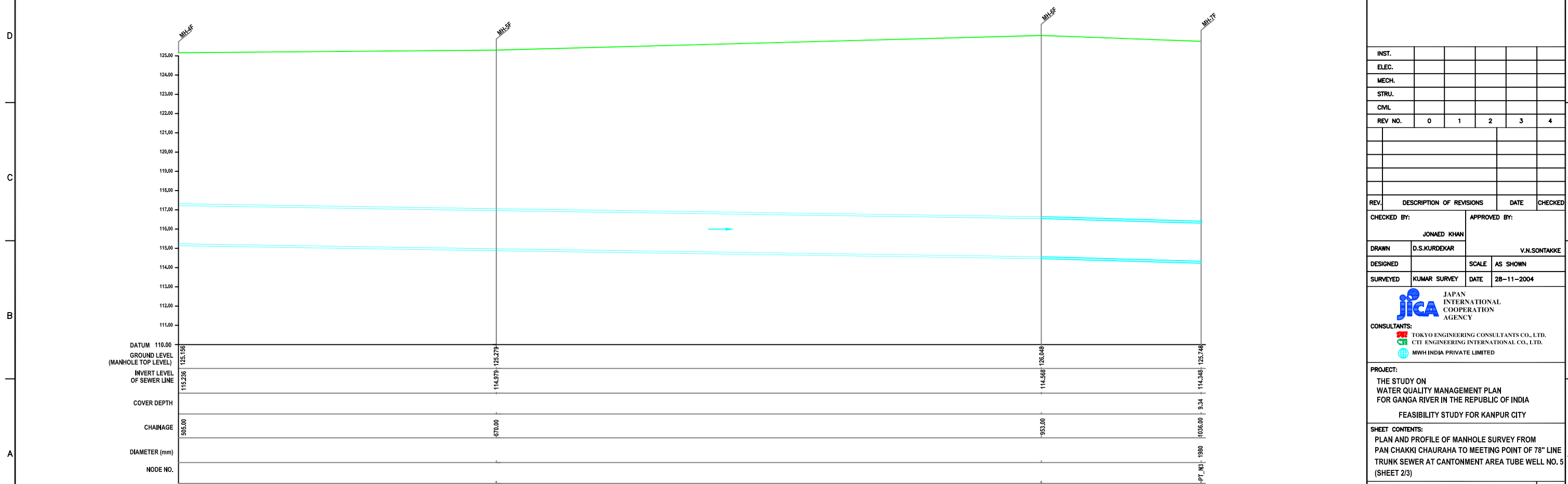
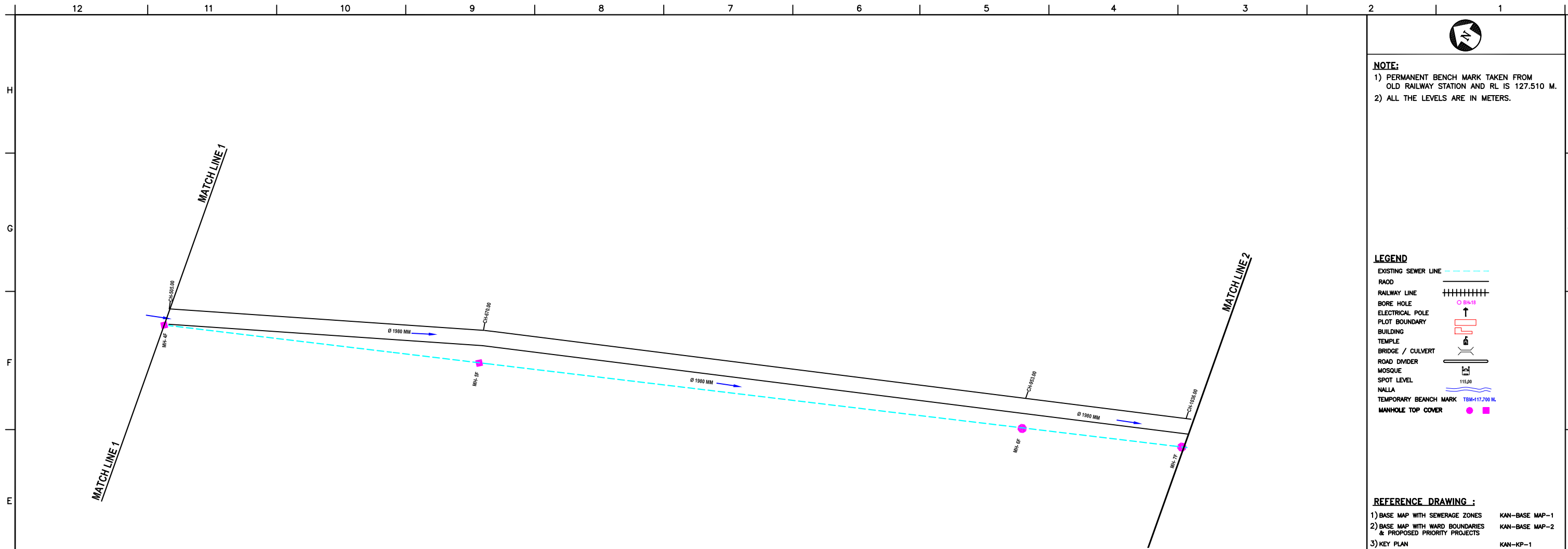
REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY: JONAEED KHAN		APPROVED BY: V.N.SONTAKKE	
DRAWN	D.S.KURDEKAR	SCALE	AS SHOWN
DESIGNED		DATE	28-11-2004

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

SHEET CONTENTS:
PLAN AND PROFILE OF MANHOLE SURVEY FROM PAN CHAKKI CHAURAHA TO MEETING POINT OF 78" LINE TRUNK SEWER AT CANTONMENT AREA TUBE WELL NO. 5 (SHEET 1/3)

DRAWING NO. KAN-PPM-PT-1	SR. NO. 65
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NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	
RAOD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
MOSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	
MANHOLE TOP COVER	

REFERENCE DRAWING :
 1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 3) KEY PLAN KAN-KP-1
 4) CATCHMENT AREA KAN-CAM-D1-1

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

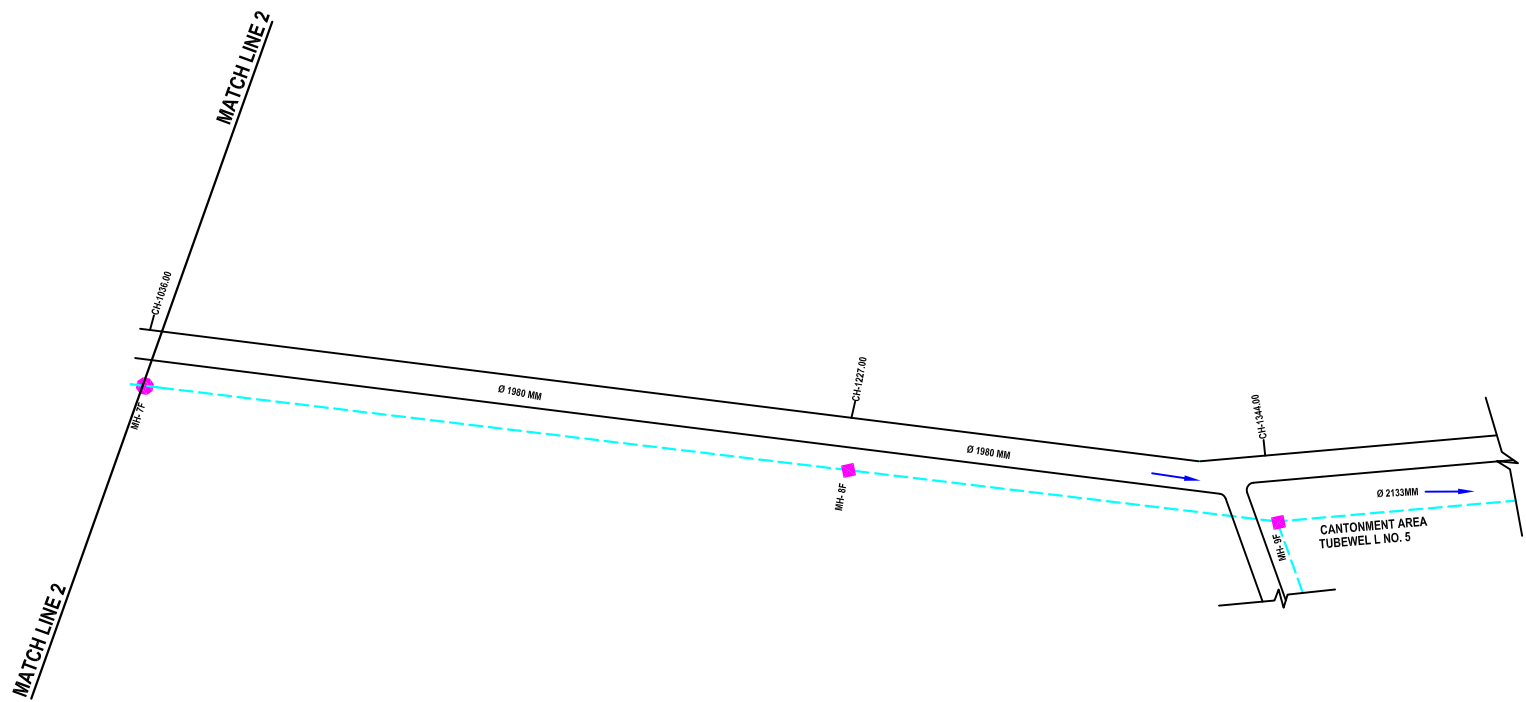
REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY: JUNAED KHAN		APPROVED BY: V.N.SONTAKKE	
DRAWN: D.S.KURDEKAR	SCALE: AS SHOWN		
DESIGNED:	DATE: 28-11-2004		

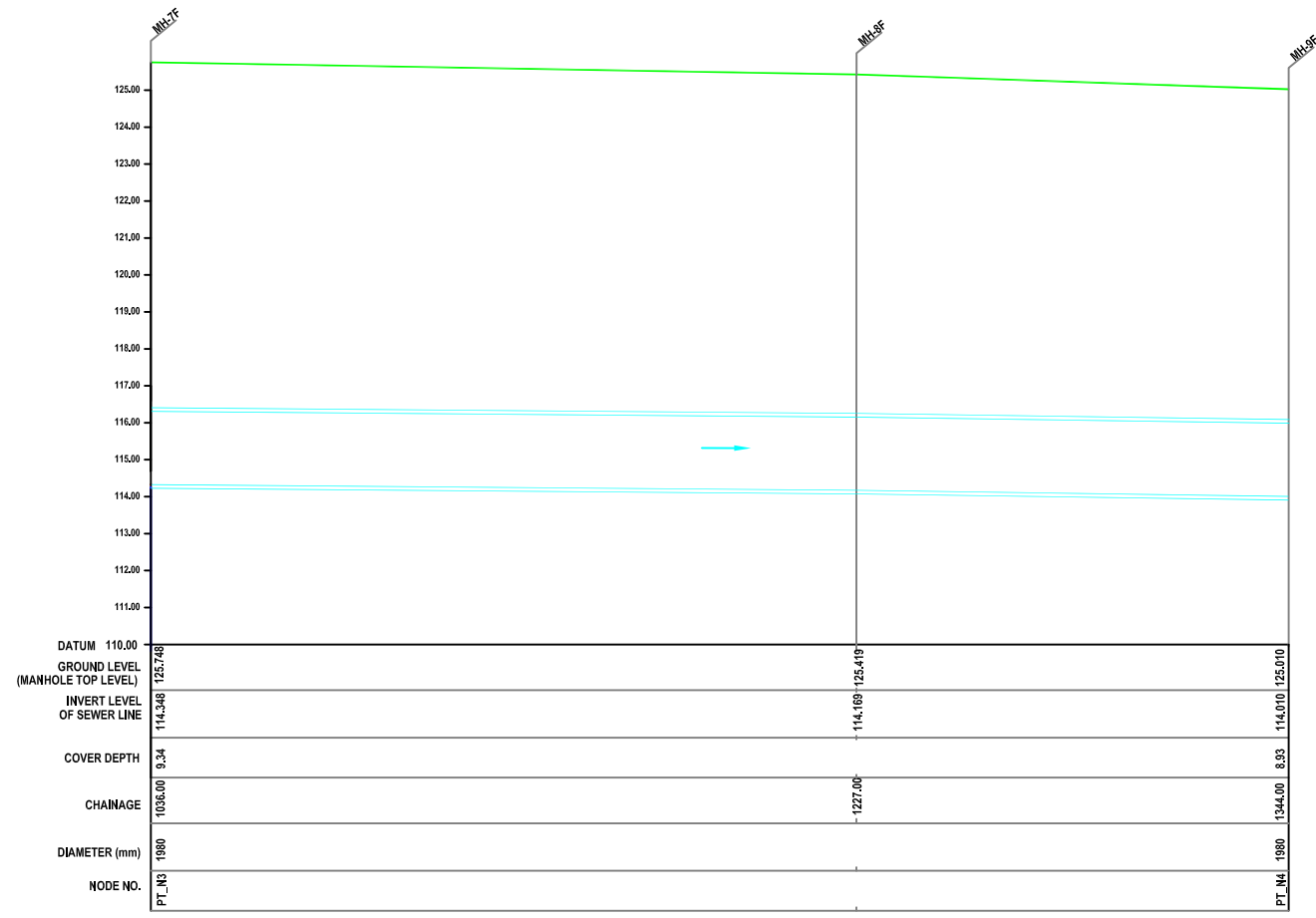
JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANTS: TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTI ENGINEERING INTERNATIONAL CO., LTD.
 MWH INDIA PRIVATE LIMITED

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

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM PAN CHAKKI CHAURAHA TO MEETING POINT OF 78" LINE TRUNK SEWER AT CANTONMENT AREA TUBE WELL NO. 5 (SHEET 2/3)



PLAN
SCALE:- 1 : 1000



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



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	
RAOD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD DIVIDER	
MOSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BEANCH MARK	
MANHOLE TOP COVER	

REFERENCE DRAWING :
 1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 3) KEY PLAN KAN-KP-1
 4) CATCHMENT AREA KAN-CAM-D1-1

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

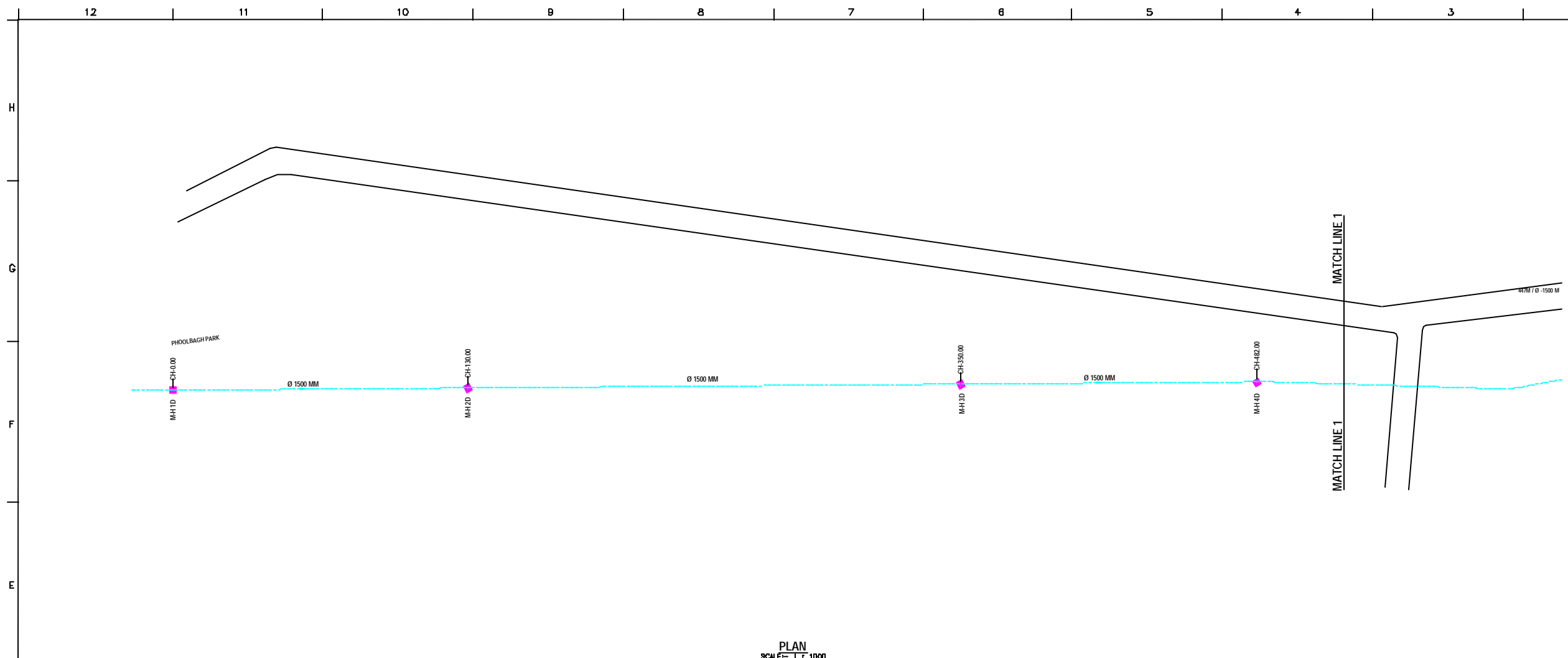
REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED
CHECKED BY: JUNAED KHAN		APPROVED BY: V.N.SONTAKKE	
DRAWN	D.S.KURDEKAR	SCALE	AS SHOWN
DESIGNED		DATE	28-11-2004

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:

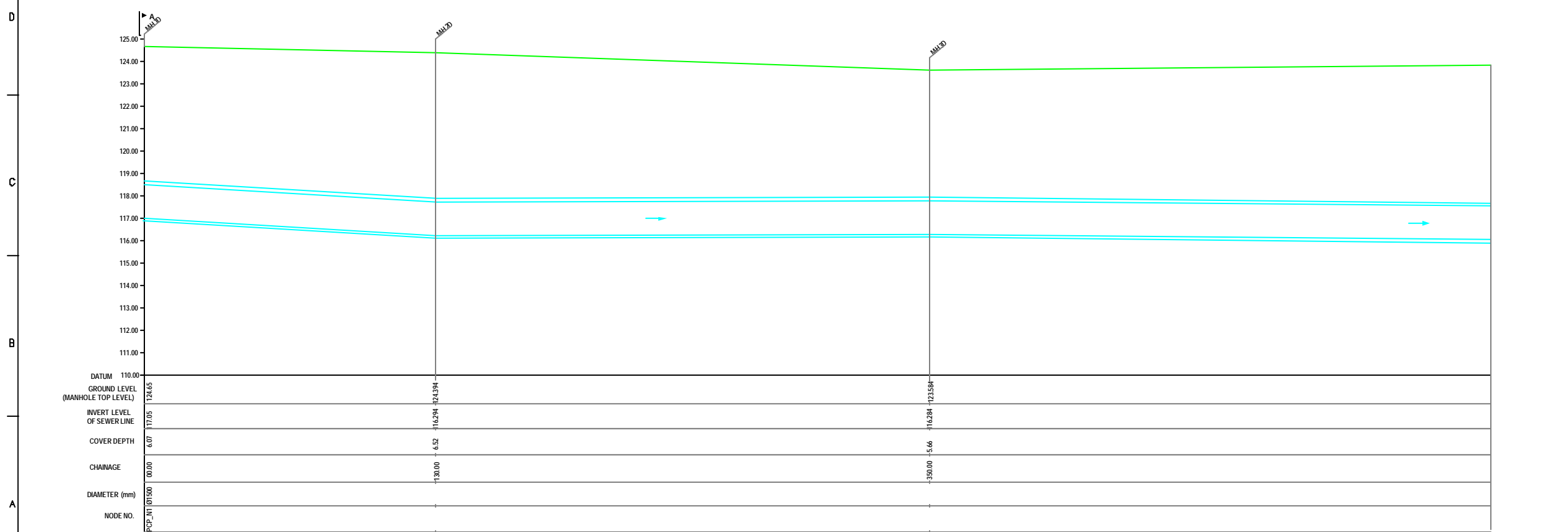
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR KANPUR CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM PAN CHAKKI CHAURAHA TO MEETING POINT OF 78" LINE TRUNK SEWER AT CANTONMENT AREA TUBE WELL NO. 5 (SHEET 3/3)

DRAWING NO. KAN-PPM-PT-3	SR. NO. 67
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PLAN
SCALE= 1 : 1000



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

NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	---
ROAD	=====
RAILWAY LINE	|||||
BONE HOLE	○ BH-18
ELECTRICAL POLE	⊥
PLOT BOUNDARY	▭
BUILDING	▭
TEMPLE	⊥
BRIDGE / CULVERT	⌒
ROAD CUMBER	⌒
MOSQUE	⊥
SPOT LEVEL	•
NALLA	~
TEMPORARY BENCH MARK	TBM-117.700 M.
MANHOLE TOP COVER	◆

REFERENCE DRAWING :

1) BASE MAP WITH SEWERAGE ZONES	KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS	KAN-BASE MAP-2
3) KEY PLAN	KAN-KP-1
4) DATCHMENT AREA	KAN-CAN-01-1

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

CHECKED BY:		APPROVED BY:	
JUNAED KHAN		V.N.SCHTAKKE	
DRAWN	D.S.KURODKAR	SCALE	AS SHOWN
DESIGNED		DATE	29-12-2004

CONSULTANTS:

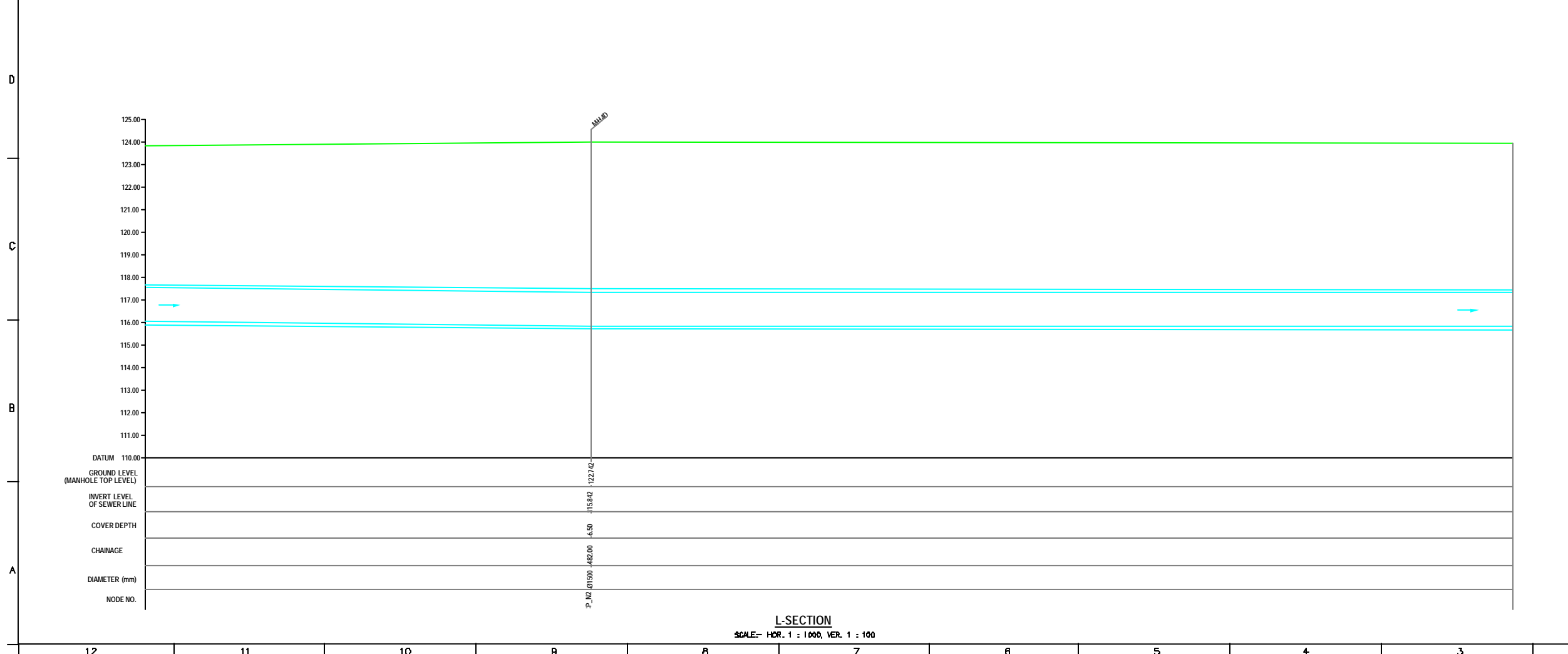
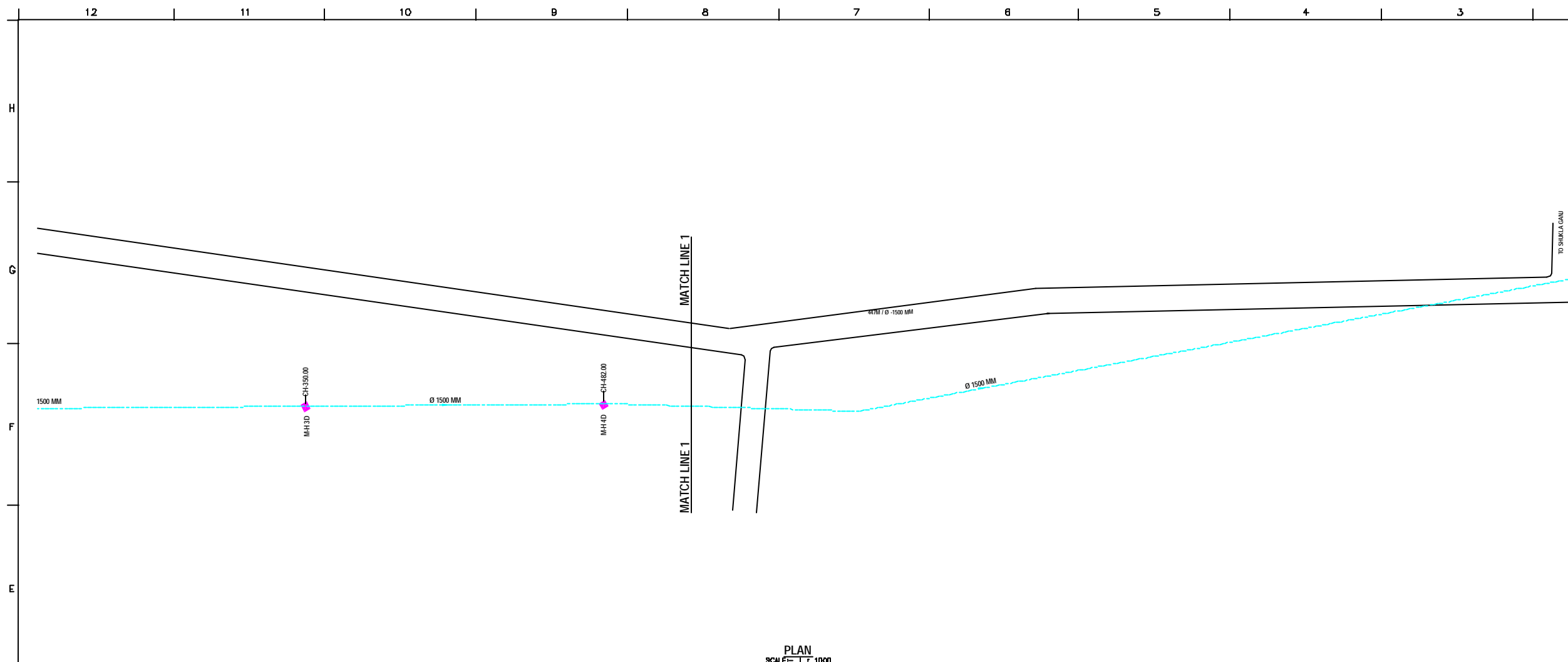
JICA INTERNATIONAL COOPERATION AGENCY

TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 JVA PURVA PURVA LIMITED

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

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM PHOOL BAUG TO CHABBILE PURWA (MEETING POINT OF 84" LINE TRUNK SEWER)
 (SHEET 1/10)

DRAWING NO.	SR. NO.
KAN-PPM-PC-1	68



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	---
ROAD	=====
RAILWAY LINE	|||||
BORE HOLE	○
ELECTRICAL POLE	⊥
PLOT BOUNDARY	▭
BUILDING	▭
TEMPLE	⊥
BRIDGE / CULVERT	⌒
ROAD CUMBER	⌒
MOSQUE	⊥
SPOT LEVEL	⊕
NALLA	~
TEMPORARY BENCH MARK	TBM-117.700 M.
MANHOLE TOP COVER	⬢

REFERENCE DRAWING :

1) BASE MAP WITH SEWERAGE ZONES	KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS	KAN-BASE MAP-2
3) KEY PLAN	KAN-KP-1
4) DATCHMENT AREA	KAN-CAN-01-1

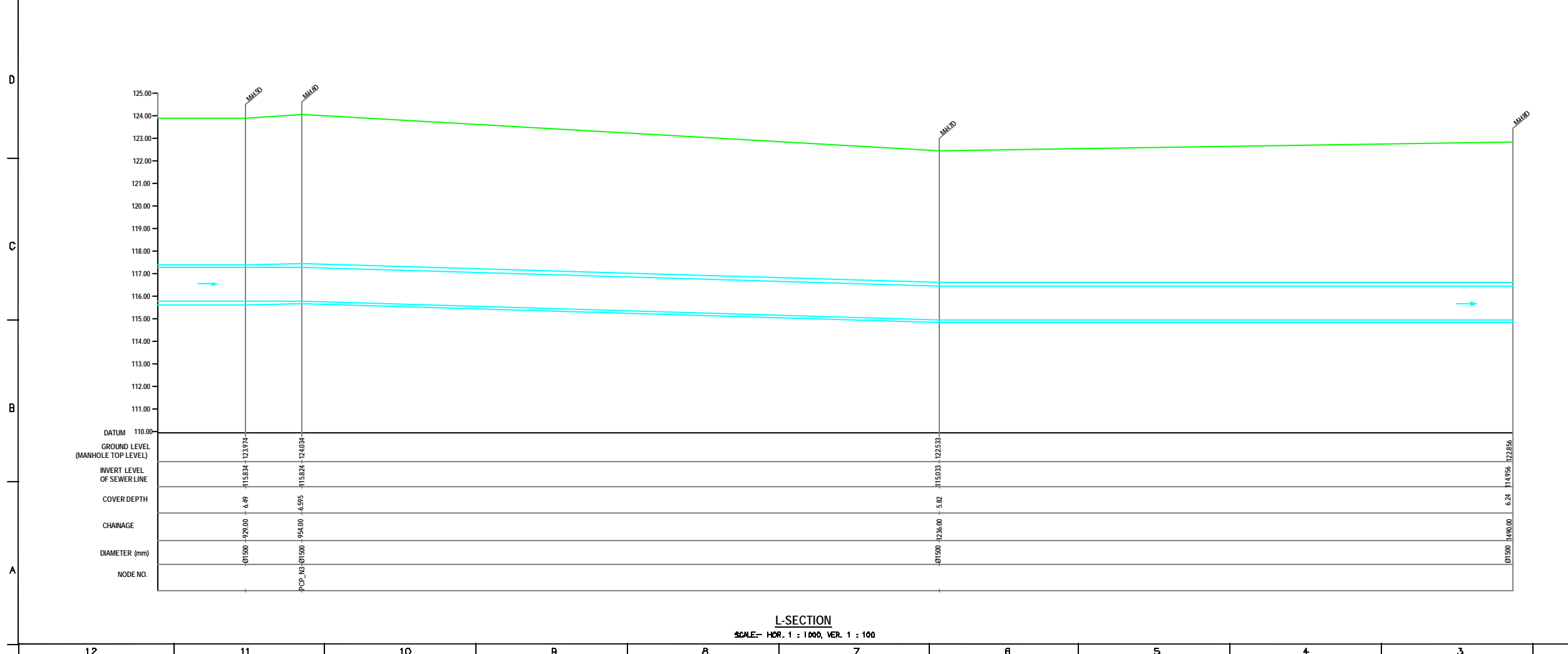
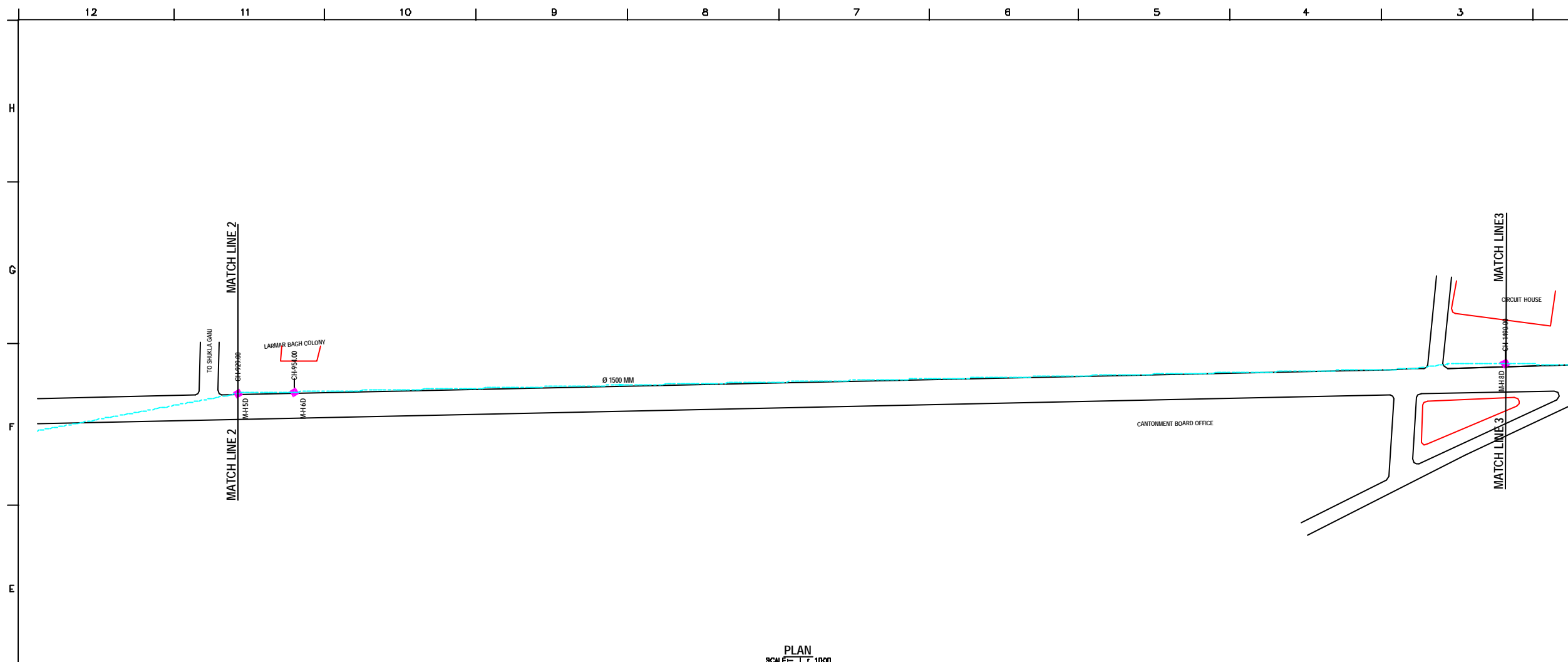
INST.					
ELEC.					
MECH.					
STR.					
CIVIL					
REV. NO.	0	1	2	3	4
REV.					
DESCRIPTION OF REVISIONS					
DATE					
CHECKED BY:	JUNAED KHAN				APPROVED BY:
DRAWN	D.B. KURODKAR				V.N. SONTAKKE
DESIGNED					SCALE AS SHOWN
SURVEYED	VENTEC ENGR.	DATE	29-12-2004		



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

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM PHOOL BAUG TO CHABBILE PURWA (MEETING POINT OF 84" LINE TRUNK SEWER) (SHEET 2/10)

DRAWING NO. KAN-PPM-PC-2
 SR. NO. 69



NOTE:
1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	---
ROAD	=====
RAILWAY LINE	+++++
BONE HOLE	○ BH-18
ELECTRICAL POLE	⊥
PLOT BOUNDARY	▭
BUILDING	▭
TEMPLE	⊥
BRIDGE / CULVERT	—()—
ROAD CUMBER	—()—
MOSQUE	⊥
SPOT LEVEL	⊕
NALLA	~~~~~
TEMPORARY BENCH MARK	TBM-117.700 M.
MANHOLE TOP COVER	⬢

REFERENCE DRAWING :
1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
3) KEY PLAN KAN-KP-1
4) DATCHMENT AREA KAN-CAN-01-1

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

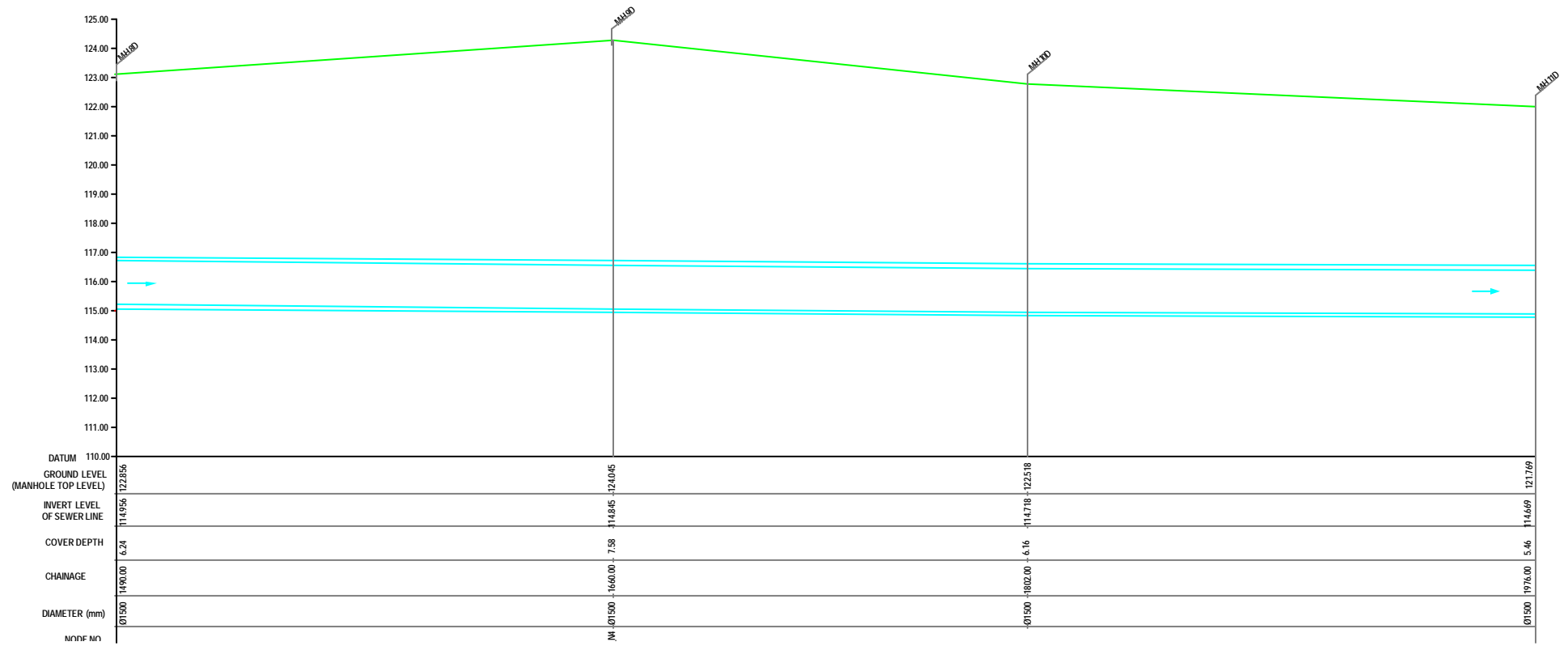
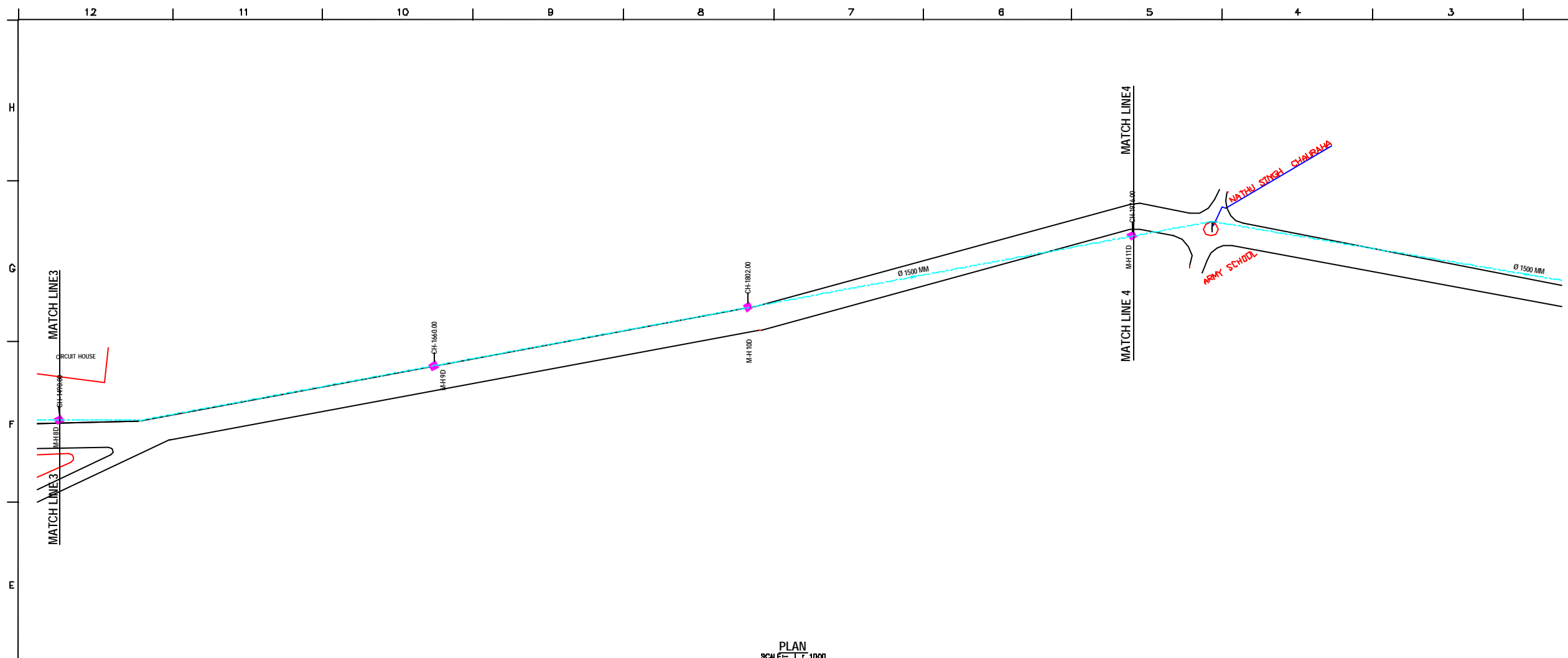
CHECKED BY: **JOHNAED KHAN**
 DRAWN: **D.S.KURODKAR**
 DESIGNED: **V.N.SCHTAKKE**
 SURVEYED: **VENTEC ENGR.** DATE: **28-12-2004**

JICA INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SIVAS SIVAS PURVAH LIMITED

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

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM PHOOL BAUG TO CHABBILE PURWA (MEETING POINT OF 84" LINE TRUNK SEWER) (SHEET 3/10)

DRAWING NO. **KAN-PPM-PC-3** SR. NO. **70**



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	---
ROAD	|||||
RAILWAY LINE	+++++
WIRE HOLE	○
ELECTRICAL POLE	⊥
PLOT BOUNDARY	▭
BUILDING	▭
TEMPLE	⊥
BRIDGE / CULVERT	⌒
ROAD CUMBER	⌒
MOSQUE	⊥
SPOT LEVEL	•
NALLA	~
TEMPORARY BENCH MARK	TBM-117.700 M.
MANHOLE TOP COVER	◆

REFERENCE DRAWING :

1) BASE MAP WITH SEWERAGE ZONES	KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS	KAN-BASE MAP-2
3) KEY PLAN	KAN-KP-1
4) DATCHMENT AREA	KAN-CAN-01-1

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

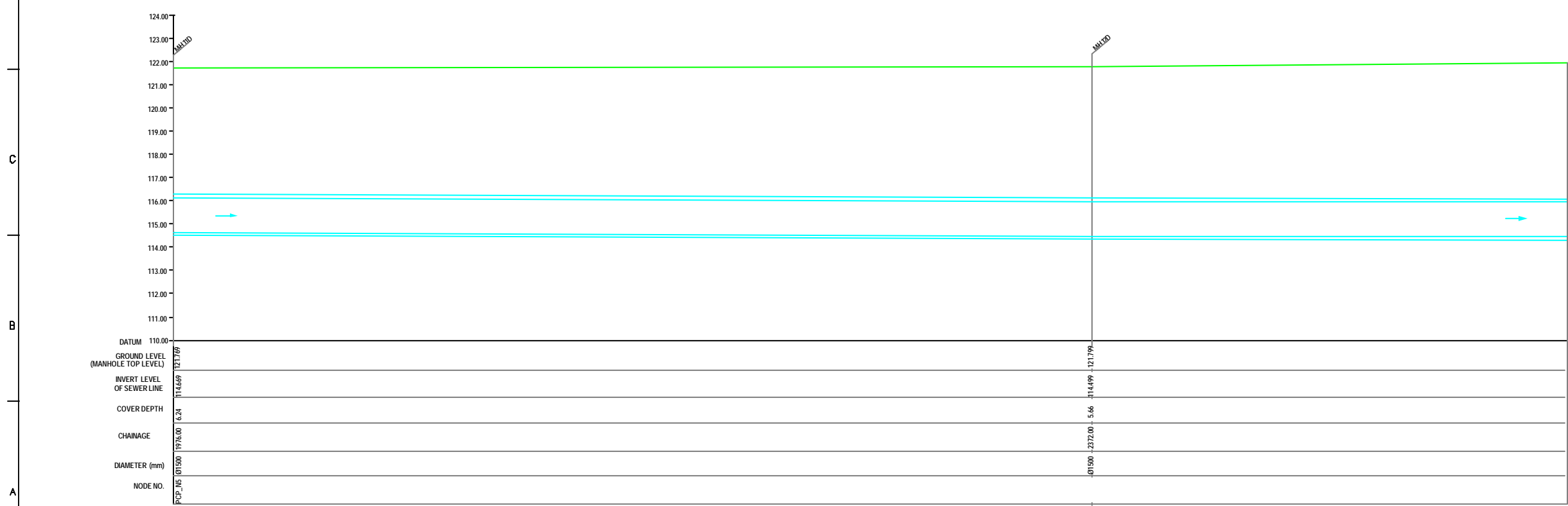
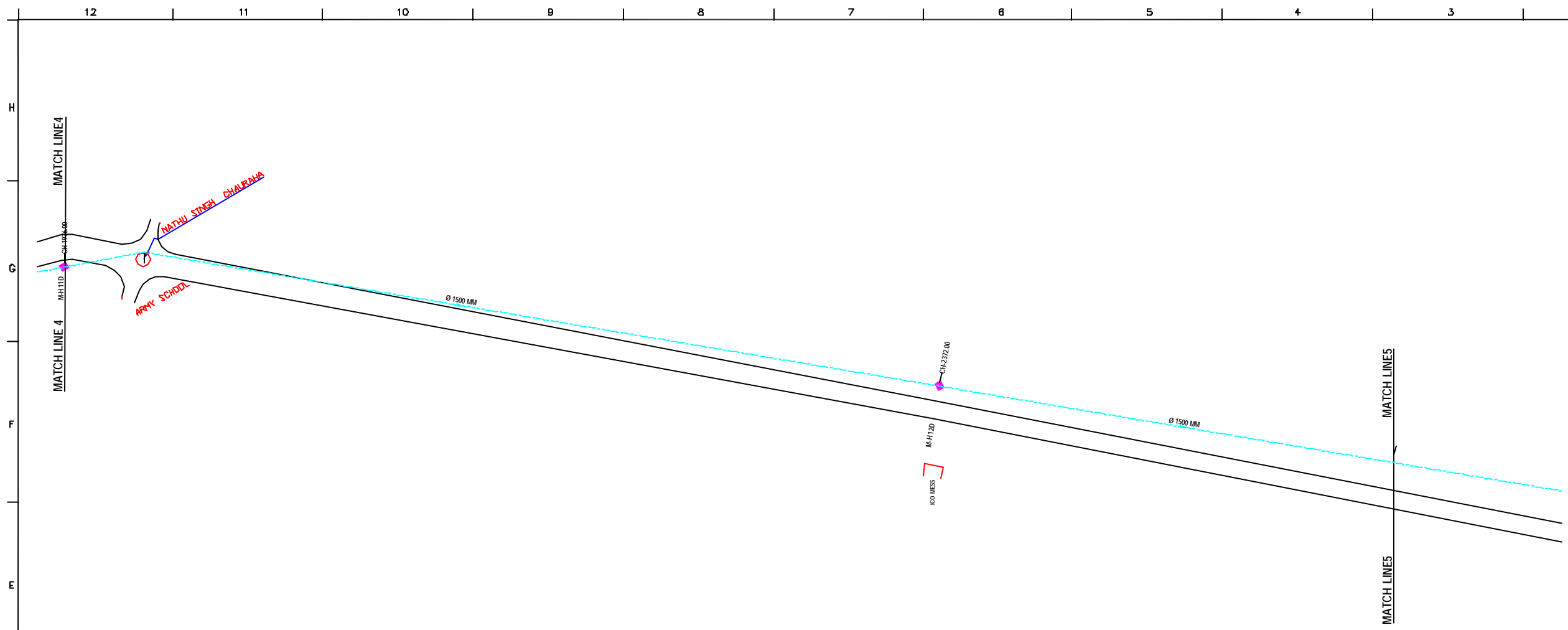
CHECKED BY: **JOHNAED KHAN**
 APPROVED BY: **V.N.SCHTAKKE**
 DRAWN: **D.S.KURODKAR**
 DESIGNED: **SCALE AS SHOWN**
 SURVEYED: **VENTEC ENGR. DATE 28-12-2004**



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

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM PHOOL BAUG TO CHABBILE PURWA (MEETING POINT OF 84" LINE TRUNK SEWER) (SHEET 4/10)

DRAWING NO. **KAN-PPM-PC-4** SR. NO. **71**



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	---
ROAD	=====
RAILWAY LINE	+++++
BORE HOLE	○ BH-18
ELECTRICAL POLE	⊥
PLOT BOUNDARY	□
BUILDING	▭
TEMPLE	⊕
BRIDGE / CULVERT	⌒
ROAD CUMBER	⌒
MOSQUE	⊞
SPOT LEVEL	•
NALLA	~
TEMPORARY BENCH MARK	TBM-117.700 M
MANHOLE TOP COVER	◆

- REFERENCE DRAWING :**
- 1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
 - 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 - 3) KEY PLAN KAN-KP-1
 - 4) DATCHMENT AREA KAN-CAN-D1-1

INST.					
ELEC.					
MECH.					
STRA.					
CIVL.					
REV. NO.	0	1	2	3	4
REV.					
DESCRIPTION OF REVISIONS					
DATE					
CHECKED BY:	JUNAED KHAN				APPROVED BY:
DRAWN	D.B. KURODKAR				V.N. SONTAKKE
DESIGNED					SCALE AS SHOWN
SURVEYED	VENTEC ENGR.		DATE		28-12-2004

JICA INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 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 KANPUR CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM PHOOL BAUG TO CHABBILE PURWA (MEETING POINT OF 84" LINE TRUNK SEWER) (SHEET 5/10)



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	---
ROAD	=====
RAILWAY LINE	|||||
WELL HOLE	○ BH-18
ELECTRICAL POLE	⊥
PLOT BOUNDARY	▭
BUILDING	▭
TEMPLE	⊥
BRIDGE / CULVERT	⌒
ROAD CUMBER	⌒
MOSQUE	⊥
SPOT LEVEL	⬆
NALLA	~~~~~
TEMPORARY BENCH MARK	⬆ TBM-117.700 M.
MANHOLE TOP COVER	⬆

REFERENCE DRAWING :

1) BASE MAP WITH SEWERAGE ZONES	KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS	KAN-BASE MAP-2
3) KEY PLAN	KAN-KP-1
4) DATCHMENT AREA	KAN-CAN-01-1

INST.					
ELEC.					
MECH.					
STRA.					
CIVIL					
REV. NO.	0	1	2	3	4
REV.					
73					
REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED		

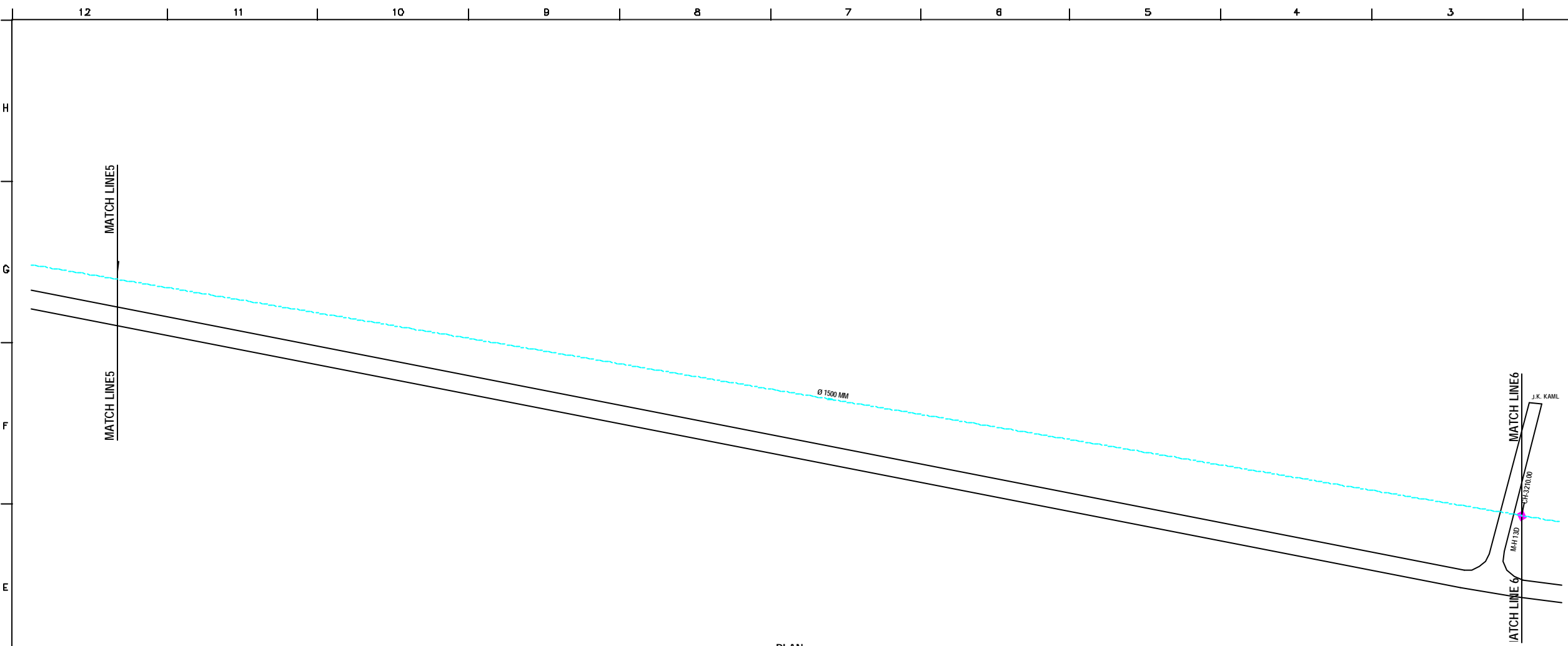
CHECKED BY: **JOHNEED KHAN**
 APPROVED BY: **V.N.SCHTAKKE**
 DRAWN: **D.S.KURODKAR**
 DESIGNED: **SCALE AS SHOWN**
 SURVEYED: **VENTEC ENGR. DATE 28-12-2004**



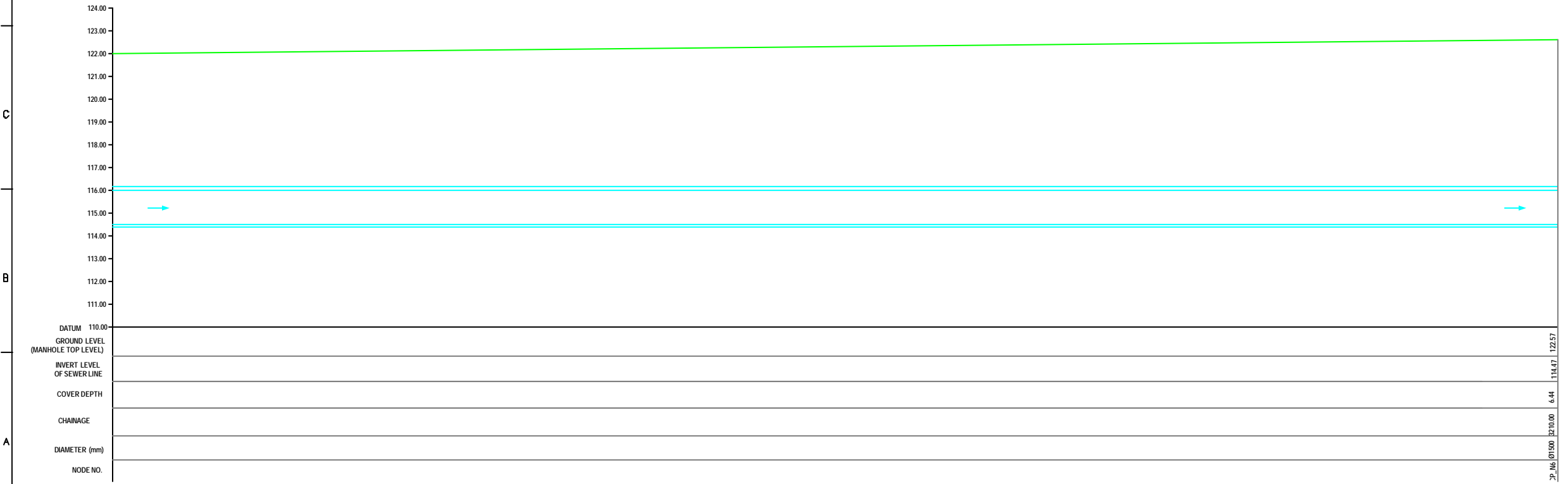
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR KANPUR CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM PHOOL BAUG TO CHABBILE PURWA (MEETING POINT OF 84" LINE TRUNK SEWER) (SHEET 6/10)

DRAWING NO. **KAN-PPM-PC-6** SR. NO. **73**



PLAN
 SCALE= 1 : 1000



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

DATUM 110.00
 GROUND LEVEL (MANHOLE TOP LEVEL)
 INVERT LEVEL OF SEWER LINE
 COVER DEPTH
 CHAINAGE
 DIAMETER (mm)
 NODE NO.

122.57
 114.47
 6.44
 123.00
 01500



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

EXISTING SEWER LINE	---
ROAD	=====
RAILWAY LINE	|||||
BONE HOLE	○ BH-18
ELECTRICAL POLE	⊥
PLOT BOUNDARY	▭
BUILDING	▭
TEMPLE	⊥
BRIDGE / CULVERT	⌒
ROAD DIVIDER	⌒
HOUSE	▭
SPOT LEVEL	⬆
NALLA	~
TEMPORARY BENCH MARK	TBM-117.700 M
MANHOLE TOP COVER	◆

REFERENCE DRAWING :
 1) BASE MAP WITH SEWERAGE ZONES KAN-BASE MAP-1
 2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS KAN-BASE MAP-2
 3) KEY PLAN KAN-KP-1
 4) DATCHMENT AREA KAN-CAN-D1-1

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

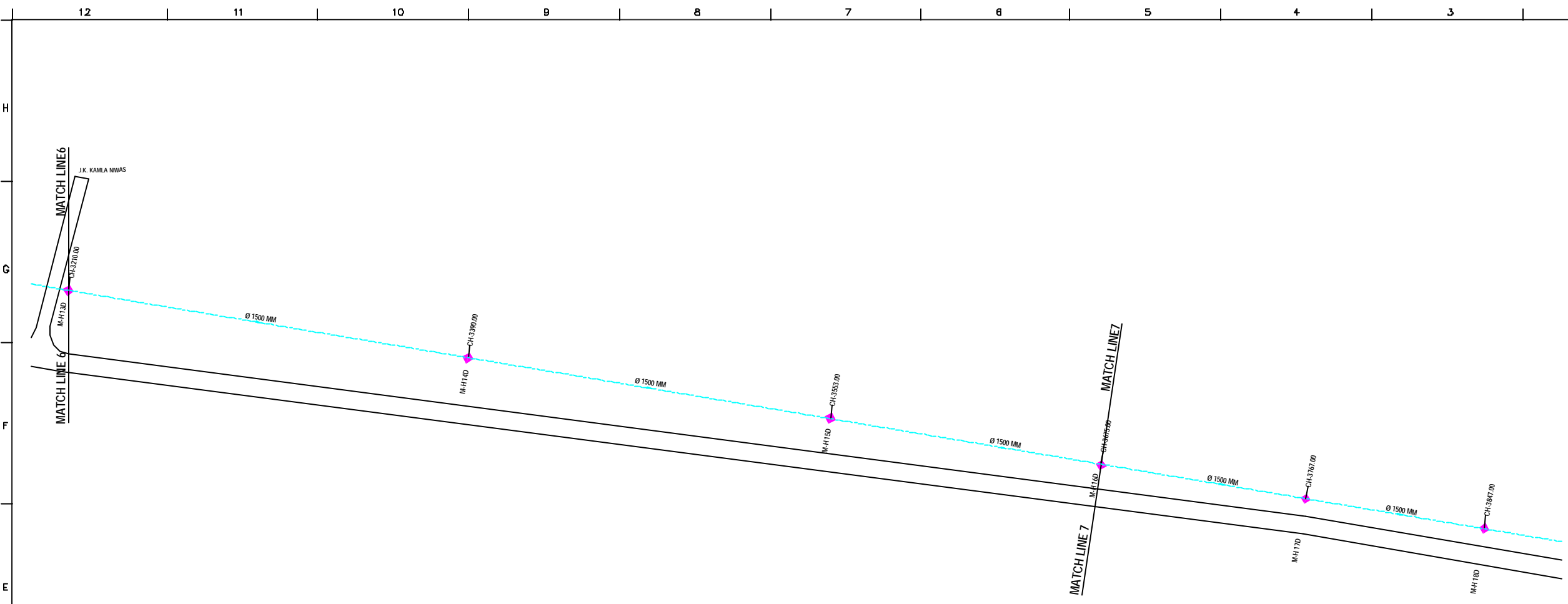
CHECKED BY: **JOHNAED KHAN**
 APPROVED BY: **V.N.SCHTAKKE**
 DRAWN: **D.S.KURODKAR**
 DESIGNED: **SCALE AS SHOWN**
 SURVEYED: **VENTEC ENGR. DATE 28-12-2004**

JICA INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SIVAS SIVASA PURVAVAI LIMITED

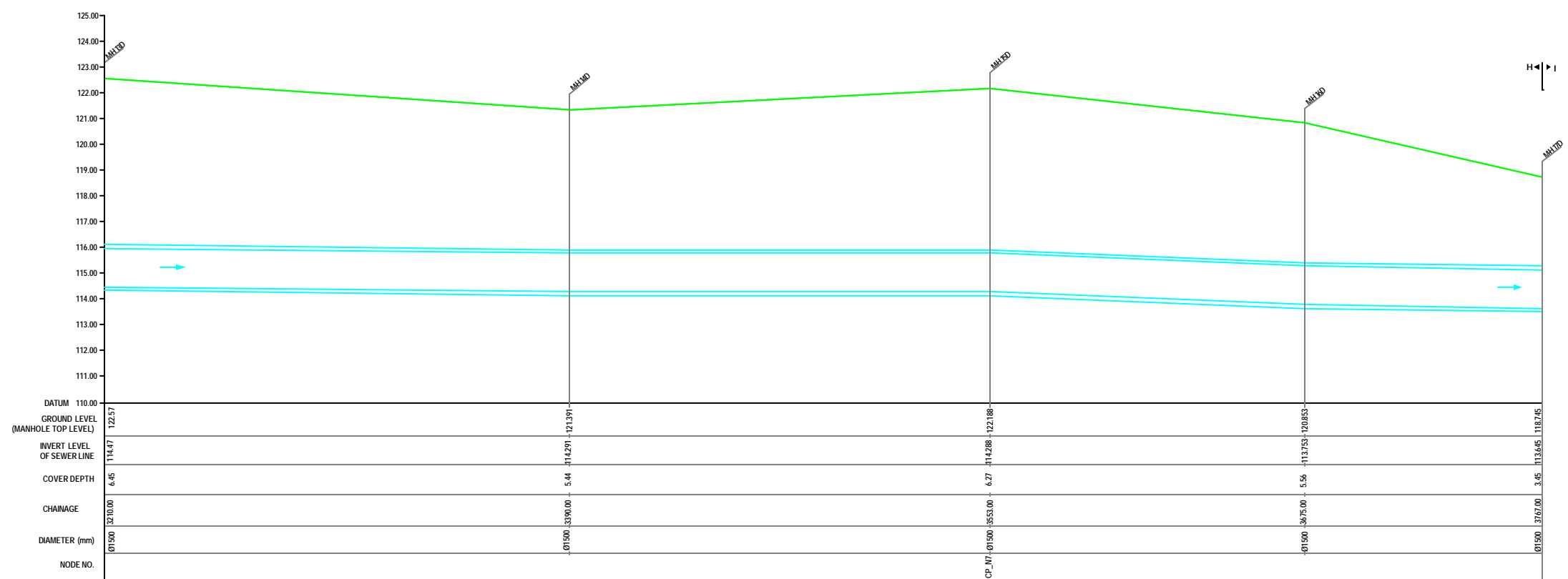
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR KANPUR CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM PHOOL BAUG TO CHABBILE PURWA (MEETING POINT OF 84" LINE TRUNK SEWER) (SHEET 7/10)

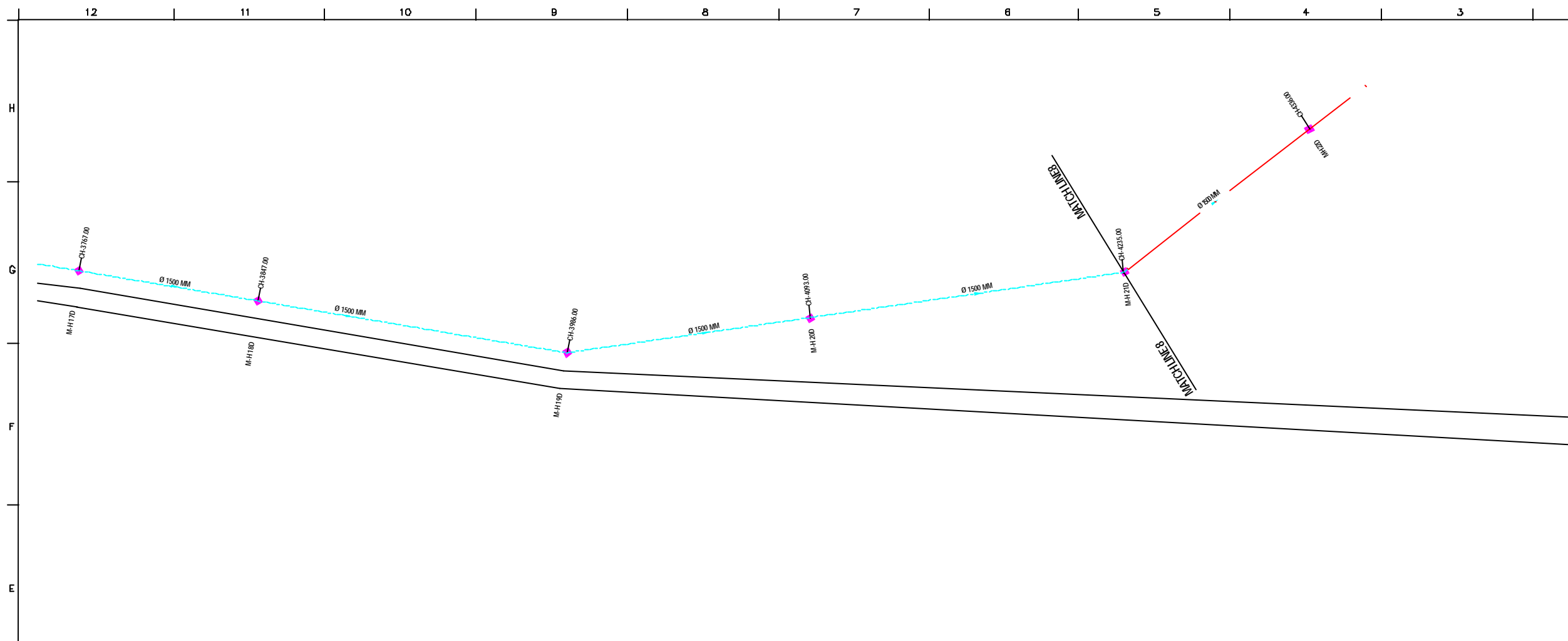
DRAWING NO. **KAN-PPM-PC-7** SR. NO. **74**



PLAN
 SCALE= 1 : 1000



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



PLAN
SCALE= 1 : 1000

NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

SEWER LINE REPLACEMENT	
EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BENCH MARK	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD CUMBER	
MOSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	
MANHOLE TOP COVER	

REFERENCE DRAWING :

1) BASE MAP WITH SEWERAGE ZONES	KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS	KAN-BASE MAP-2
3) KEY PLAN	KAN-KP-1
4) DATCHMENT AREA	KAN-CAN-D1-1

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

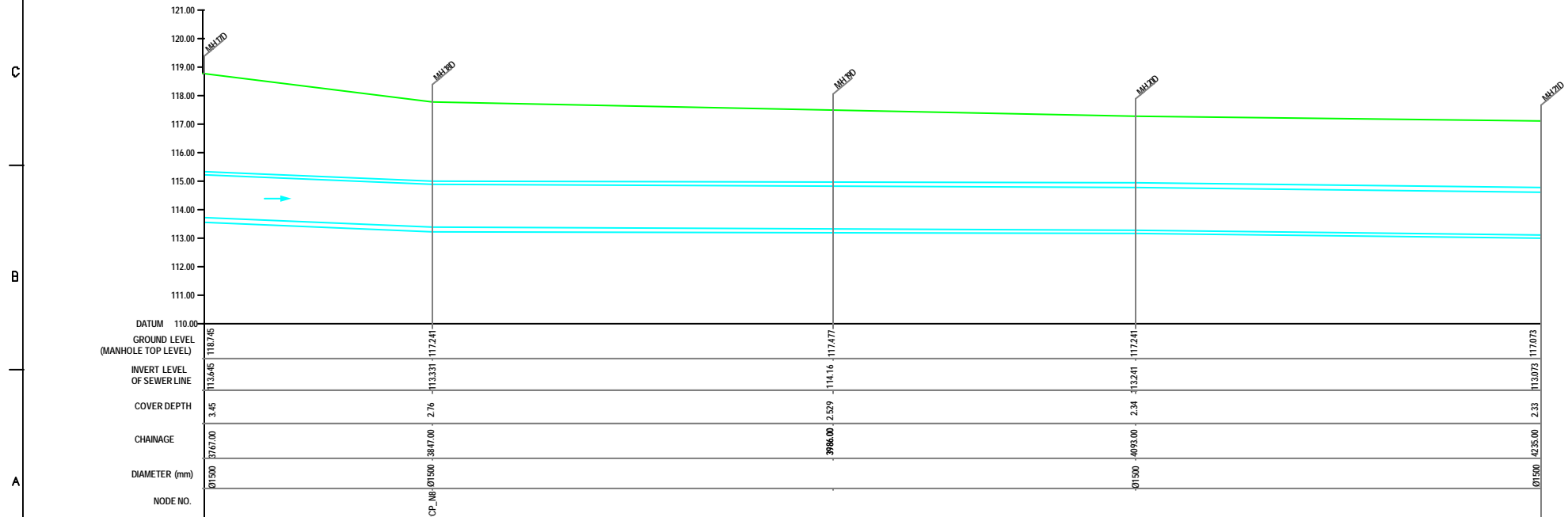
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 APPROVED BY: **V.N.SCHTAKKE**
 DRAWN: **D.S.KURODKAR**
 DESIGNED: **SCALE AS SHOWN**
 SURVEYED: **VENTEC ENGR. DATE 28-12-2004**



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

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM PHOOL BAUG TO CHABBILE PURWA (MEETING POINT OF 84" LINE TRUNK SEWER) (SHEET 8/10)

DRAWING NO. **KAN-PPM-PC-8** SR. NO. **75**



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



NOTE:
 1) PERMANENT BENCH MARK TAKEN FROM OLD RAILWAY STATION AND RL IS 127.510 M.
 2) ALL THE LEVELS ARE IN METERS.

LEGEND

SEWER LINE REPLACEMENT	
EXISTING SEWER LINE	
ROAD	
RAILWAY LINE	
BORE HOLE	
ELECTRICAL POLE	
PLOT BOUNDARY	
BUILDING	
TEMPLE	
BRIDGE / CULVERT	
ROAD CROWN	
MOSQUE	
SPOT LEVEL	
NALLA	
TEMPORARY BENCH MARK	
MANHOLE TOP COVER	

REFERENCE DRAWING :

1) BASE MAP WITH SEWERAGE ZONES	KAN-BASE MAP-1
2) BASE MAP WITH WARD BOUNDARIES & PROPOSED PRIORITY PROJECTS	KAN-BASE MAP-2
3) KEY PLAN	KAN-KP-1
4) DATCHMENT AREA	KAN-CAN-01-1

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

REV.	DESCRIPTION OF REVISIONS	DATE	CHECKED

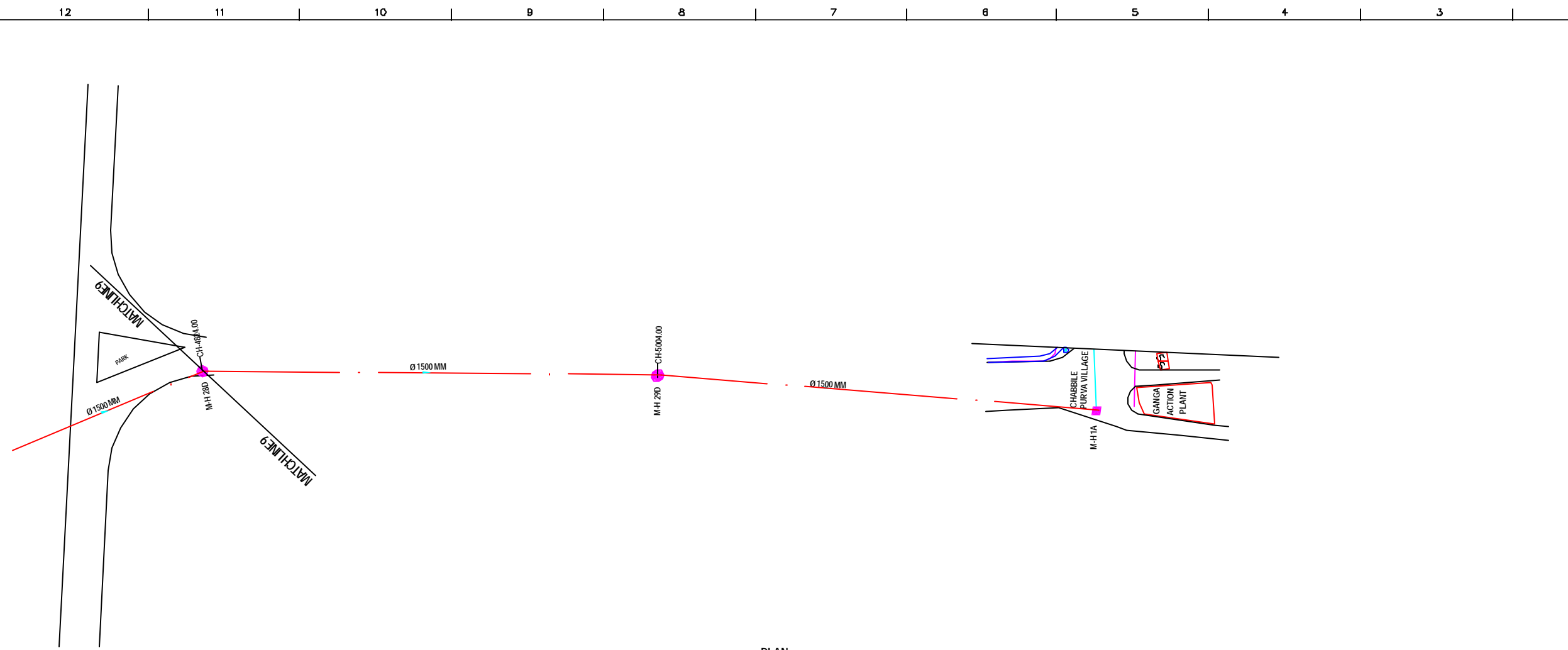
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 APPROVED BY: **V.N.SCHTAKKE**
 DRAWN: **D.S.KURODKAR**
 DESIGNED: **SCALE AS SHOWN**
 SURVEYED: **VENTEC ENGR. DATE 28-12-2004**

JICA INTERNATIONAL COOPERATION AGENCY
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTE ENGINEERING INTERNATIONAL CO., LTD.
 SHYAM SUDAN PURVAHAI LIMITED

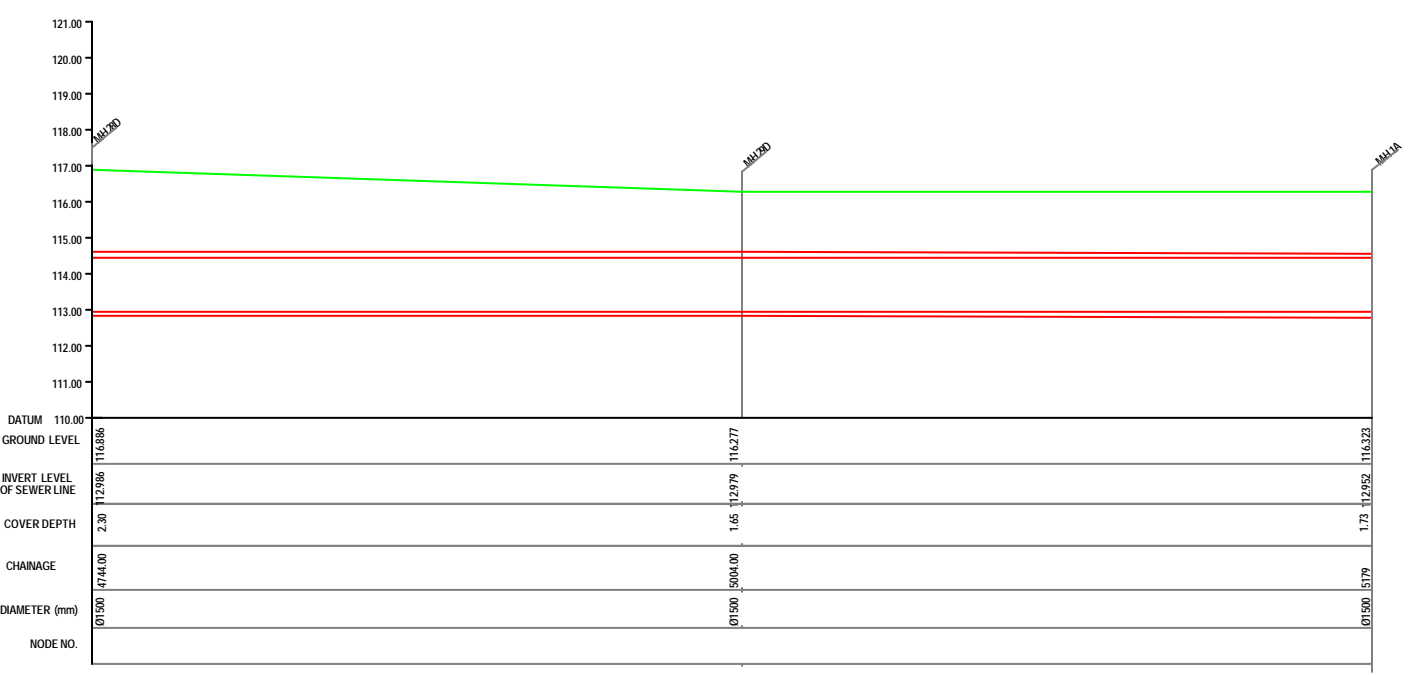
PROJECT:
 THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
 FEASIBILITY STUDY FOR KANPUR CITY

SHEET CONTENTS:
 PLAN AND PROFILE OF MANHOLE SURVEY FROM PHOOL BAUG TO CHABBILE PURWA (MEETING POINT OF 84" LINE TRUNK SEWER) (SHEET 10/10)

DRAWING NO. **KAN-PPM-PC-10** SR. NO. **77**



PLAN
 SCALE= 1 : 1000



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