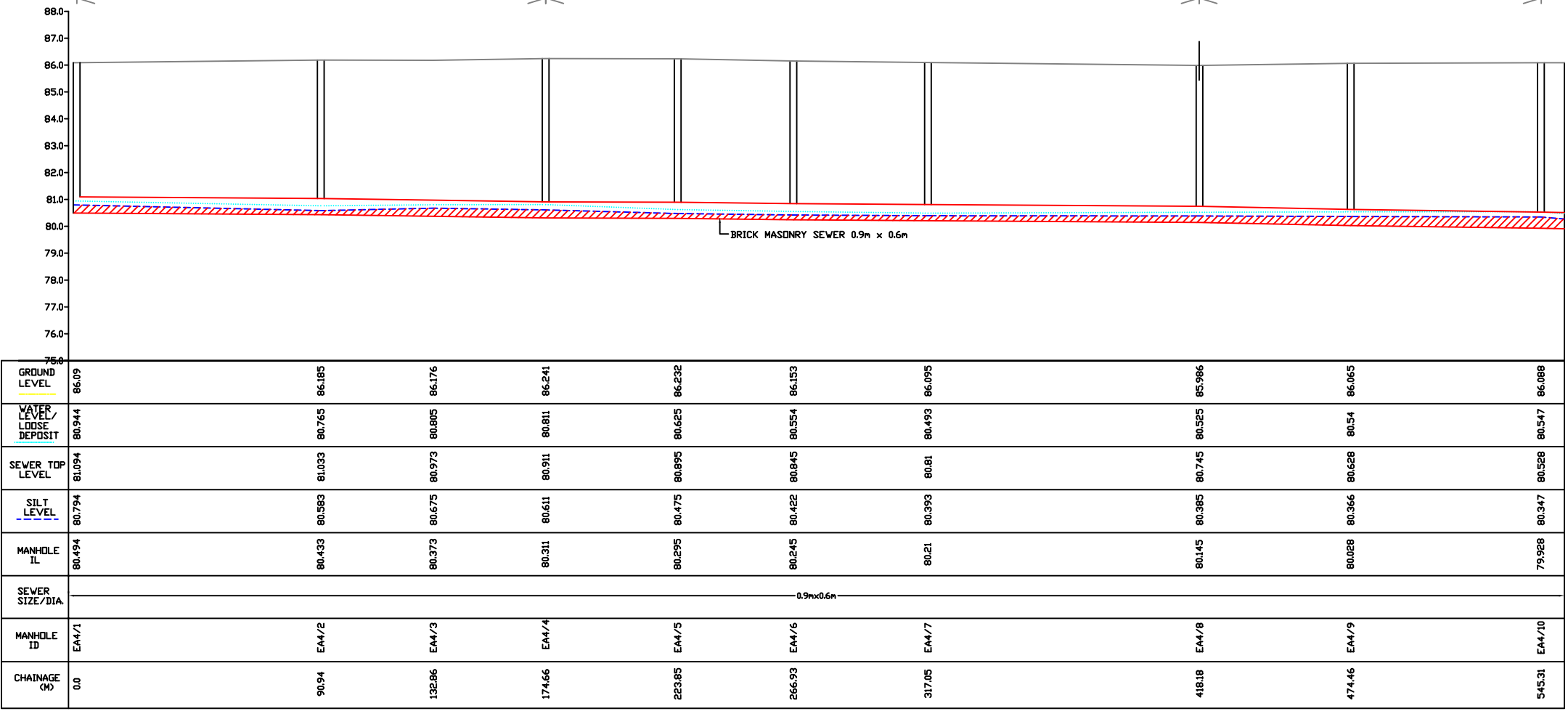
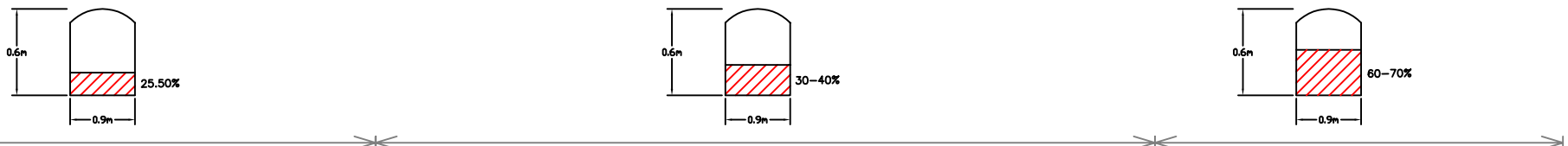


PLAN



L-SECTION

- NOTES:**
- GTS BENCH MARK ON YAMUNA BRIDGE LOCATED ON STONE AT EAST END OF 9th PIER FROM SOUTH OF YAMUNA BRIDGE 292.075 (Feet) /89.024 (m)
 - ALL LEVELS ARE IN METERS
- LEGEND**
- PROPOSED SEWER LINE
 - PROPOSED RISING MAIN
 - ROAD EDGE
 - UNDERGROUND LINES
 - CULVERT/BRIDGE
 - HANDPUMP
 - ELECTRIC POLE
 - ELECTRIC LINE
 - TELEPHONE POLE
 - TELEPHONE LINE
 - TRANSFORMER
 - OFC PILLAR
 - KILOMETER POST
 - TREE
 - HECTOMETER POST
 - LAMP POST
 - RAILWAY LINE
 - NALA
 - WATER MAIN
 - EXISTING SEWER
 - TRENCHLESS TECHNOLOGY
 - NALA CROSSING
 - RAILWAY LINE CROSSING
 - % OF SILT DEPOSITION
- REFERENCE DRAWING:**

| REV. NO. | 0 | 1 | 2 | 3 | 4 |
|----------|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| REV. | DESCRIPTION OF REVISIONS | DATE | CHECKED |
|------|--------------------------|------|---------|
| | | | |
| | | | |
| | | | |

CHECKED BY: R.MITTAL
CHECK

APPROVED BY: D.SARKAR
APPROVE

DESIGNED: ANJESH
SCALE: H=1:1000
V=1:100

SURVEYED: S.SHARMA
DATE: 03-01-05

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

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

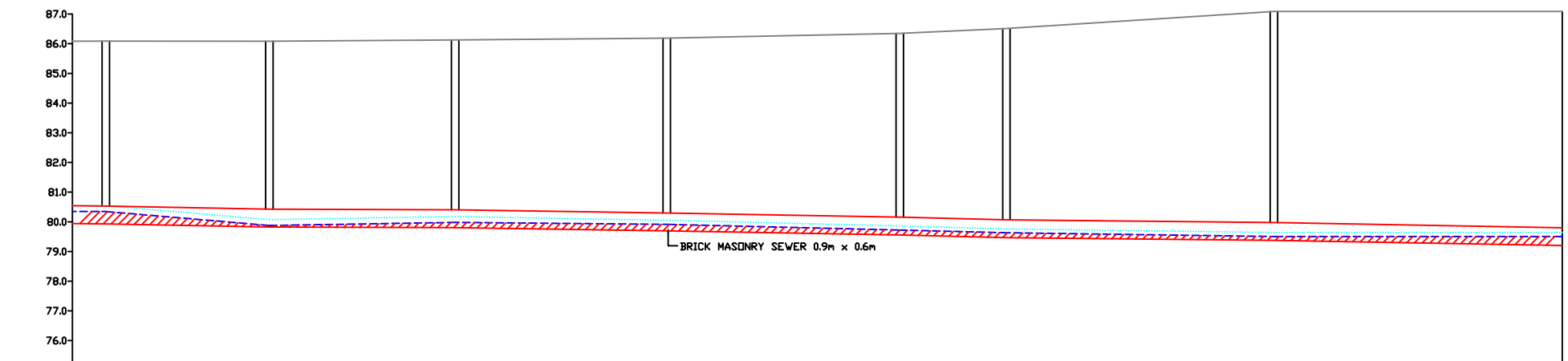
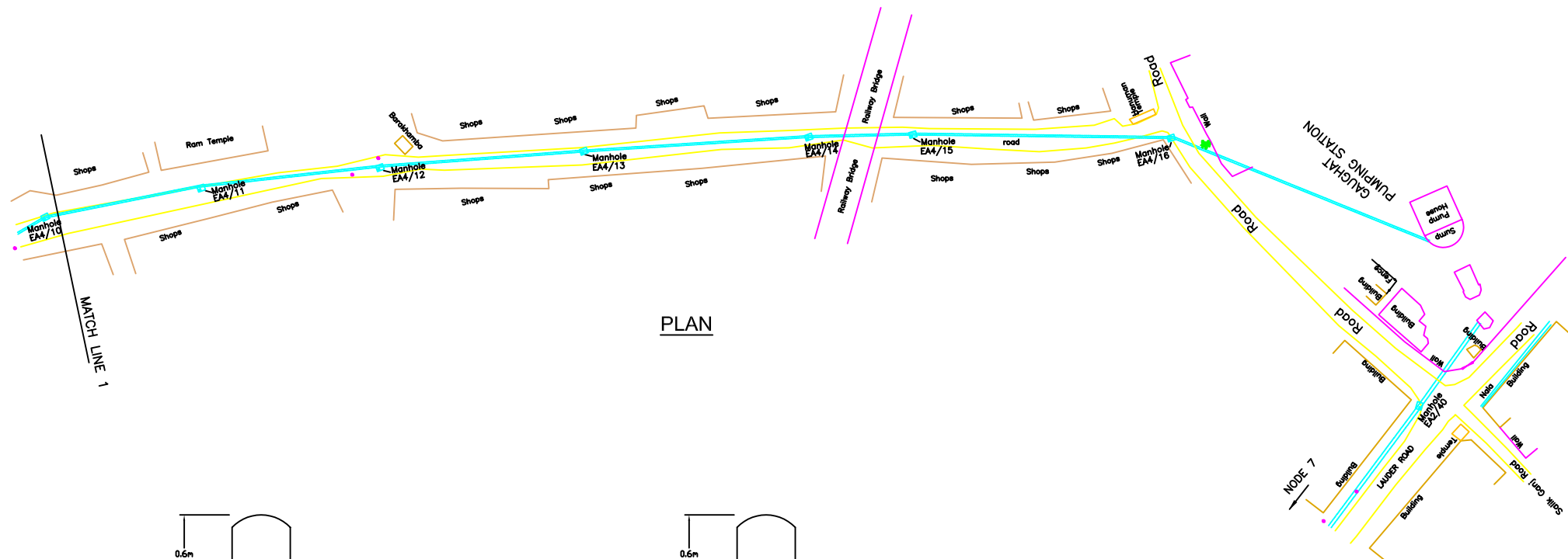
PROJECT:
THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA
FEASIBILITY STUDY FOR ALLAHABAD CITY

CORRIDOR: District : A
Krishna Nagar to Gaughat PS
Node : 14 -15

SHEET CONTENTS: PLAN AND PROFILE (1/2)
(Existing Sewer)
(Ch. 00 - 545.31)

| | | | |
|-------------|----------------------|----------|----|
| DRAWING NO. | ALD-ES-A (KN-GGPS)-1 | SHT. NO. | 81 |
|-------------|----------------------|----------|----|

NODE 14 ← 0.9m x 0.6m (DESILTING + CCTV) → GAUGHAT SPS



| | | | | | | | |
|----------------------------|-------------|--------|--------|--------|--------|--------|--------------|
| GROUND LEVEL | 86.088 | 86.083 | 86.125 | 86.186 | 86.347 | 86.512 | 87.088 |
| WATER LEVEL/ LOOSE DEPOSIT | 80.547 | 80.076 | 80.18 | 80.055 | 79.864 | 79.762 | 79.645 |
| SEWER TOP LEVEL | 80.528 | 80.425 | 80.405 | 80.295 | 80.158 | 80.068 | 79.975 |
| SILT LEVEL | 80.347 | 79.876 | 79.98 | 79.915 | 79.723 | 79.632 | 79.505 |
| MANHOLE IL | 79.928 | 79.825 | 79.805 | 79.695 | 79.558 | 79.468 | 79.375 |
| SEWER SIZE/DIA. | 0.9m x 0.6m | | | | | | |
| MANHOLE ID | EAA/10 | EAA/11 | EAA/12 | EAA/13 | EAA/14 | EAA/15 | EAA/16 |
| CHAINAGE (M) | 545.31 | 600.42 | 663.01 | 734.27 | 812.8 | 848.71 | 938.85 |
| | | | | | | | GAUGHAT SUMP |

L-SECTION

NOTES:

- GTS BENCH MARK ON YAMUNA BRIDGE LOCATED ON STONE AT EAST END OF 9th PIER FROM SOUTH OF YAMUNA BRIDGE 292.075 (Feet) /89.024 (m)
- ALL LEVELS ARE IN METERS

LEGEND

- PROPOSED SEWER LINE
- PROPOSED RISING MAIN
- ROAD EDGE
- UNDERGROUND LINES
- CULVERT/BRIDGE
- HANDPUMP
- ELECTRIC POLE
- ELECTRIC LINE
- TELEPHONE POLE
- TELEPHONE LINE
- TRANSFORMER
- OFC PILLAR
- KILOMETER POST
- TREE
- HECTOMETER POST
- LAMP POST
- RAILWAY LINE
- NALA
- WATER MAIN
- EXISTING SEWER
- TRENCHLESS TECHNOLOGY
- NALA CROSSING
- RAILWAY LINE CROSSING
- % OF SILT DEPOSITION

REFERENCE DRAWING:

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

| REV. | DESCRIPTION OF REVISIONS | DATE | CHECKED |
|------|--------------------------|------|---------|
| | | | |

CHECKED BY: R. MITTAL
CHECK

APPROVED BY: D. SARKAR
APPROVE

DRAWN: S. MITRA

DESIGNED: ANJESH
SCALE: H=1:1000, V=1:100

SURVEYED: S. SHARMA
DATE: 03-01-05

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

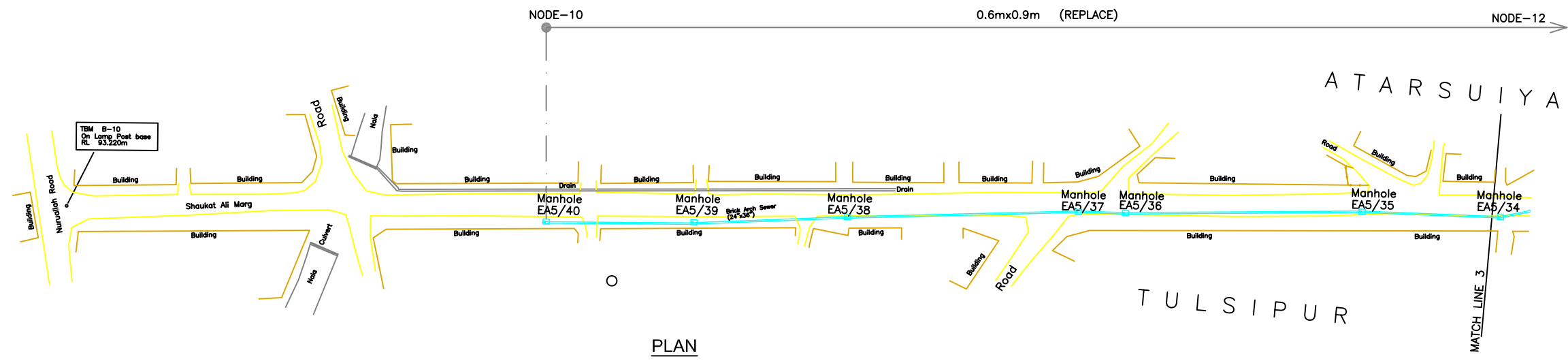
CONSULTANTS:

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

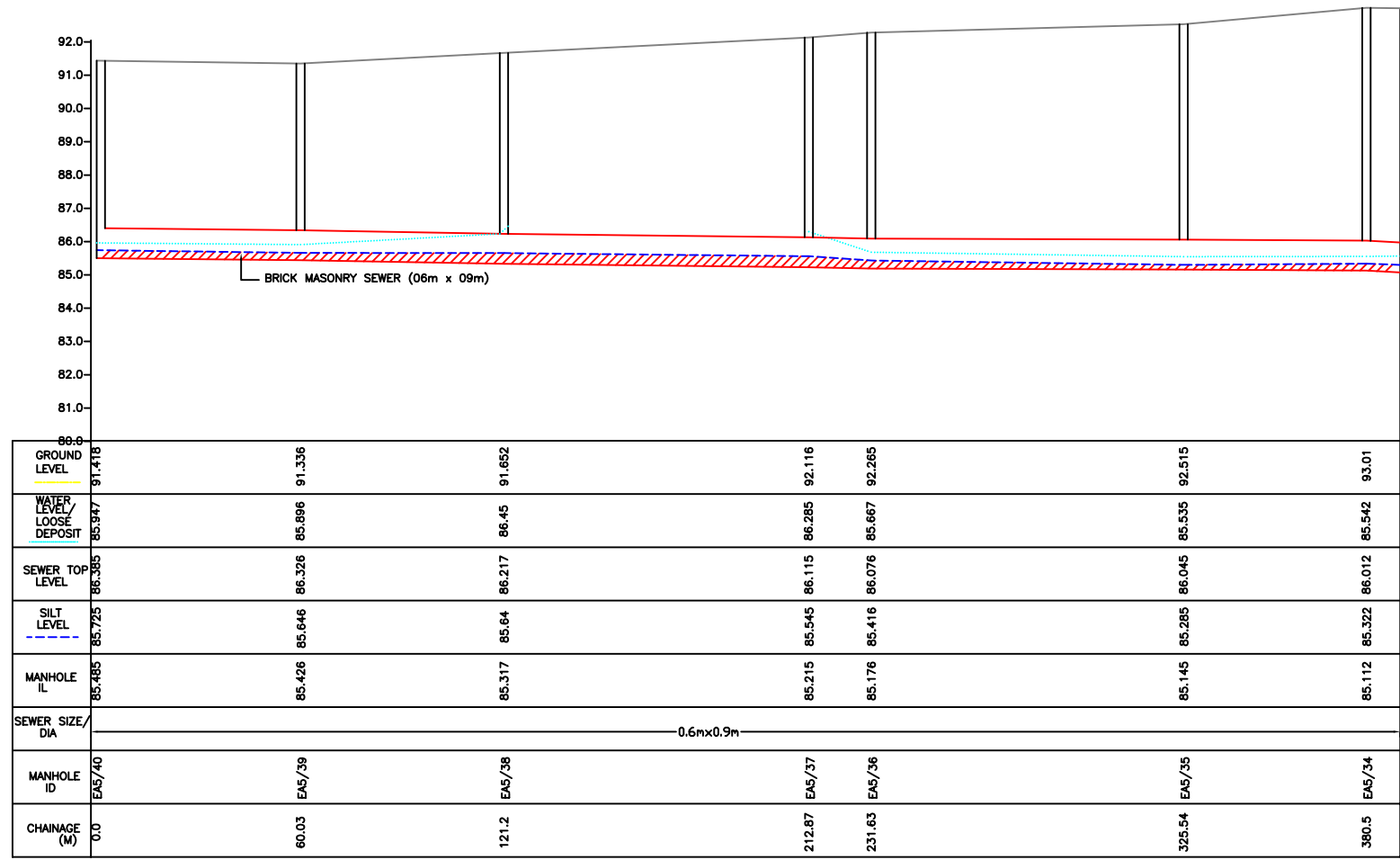
CORRIDOR: District : A
 Krishna Nagar to Gaughat PS
 Node : 14 -15

SHEET CONTENTS: PLAN AND PROFILE (2/2)
 (Existing Sewer)
 (Ch. 545.31 - 1036)

DRAWING NO. ALD-ES-A (KN-GGPS)-2
SHT. NO. 82



PLAN



L-SECTION
0.6m x 0.9m

NOTES:

- GTS BENCH MARK ON YAMUNA BRIDGE LOCATED ON STONE AT EAST END OF 9th PIER FROM SOUTH OF YAMUNA BRIDGE 292.075 (Feet) /89.024 (m)
- ALL LEVELS ARE IN METERS

LEGEND

- PROPOSED SEWER LINE
- PROPOSED RISING MAIN
- ROAD EDGE
- UNDERGROUND LINES
- CULVERT/BRIDGE
- HANDPUMP
- ELECTRIC POLE
- ELECTRIC LINE
- TELEPHONE POLE
- TELEPHONE LINE
- TRANSFORMER
- OFC PILLAR
- KILOMETER POST
- TREE
- HECTOMETER POST
- LAMP POST
- RAILWAY LINE
- NALA
- WATER MAIN
- EXISTING SEWER
- TRENCHLESS TECHNOLOGY
- NALA CROSSING
- RAILWAY LINE CROSSING
- % OF SILT DEPOSITION

REFERENCE DRAWING:

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

| REV. | DESCRIPTION OF REVISIONS | DATE | CHECKED |
|------|--------------------------|------|---------|
| | | | |

CHECKED BY: R. MITTAL
APPROVED BY: D.SARKAR

DRAWN: S.MITRA
APPROVE: [Signature]

DESIGNED: ANESH
SCALE: H=1:1000, V=1:100

SURVEYED: S.SHARMA
DATE: 03-01-05

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

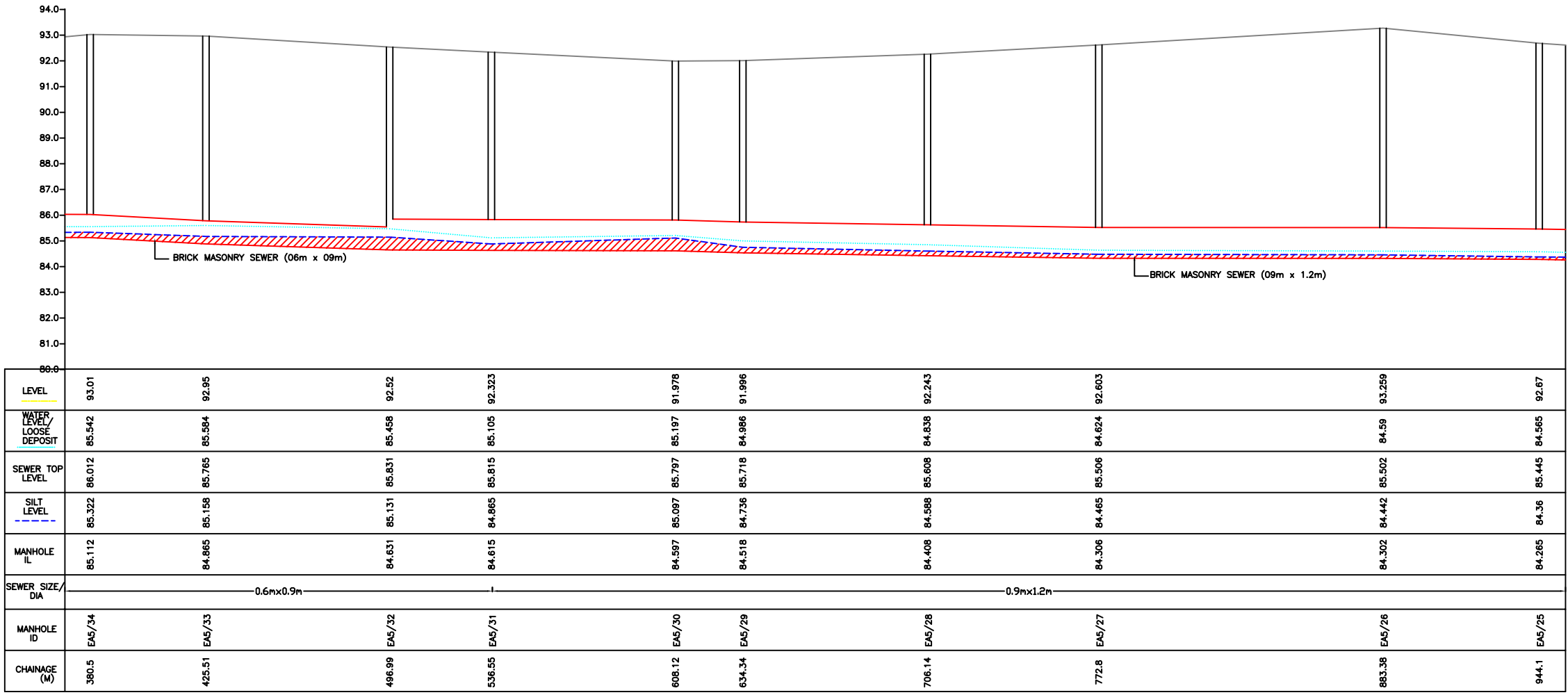
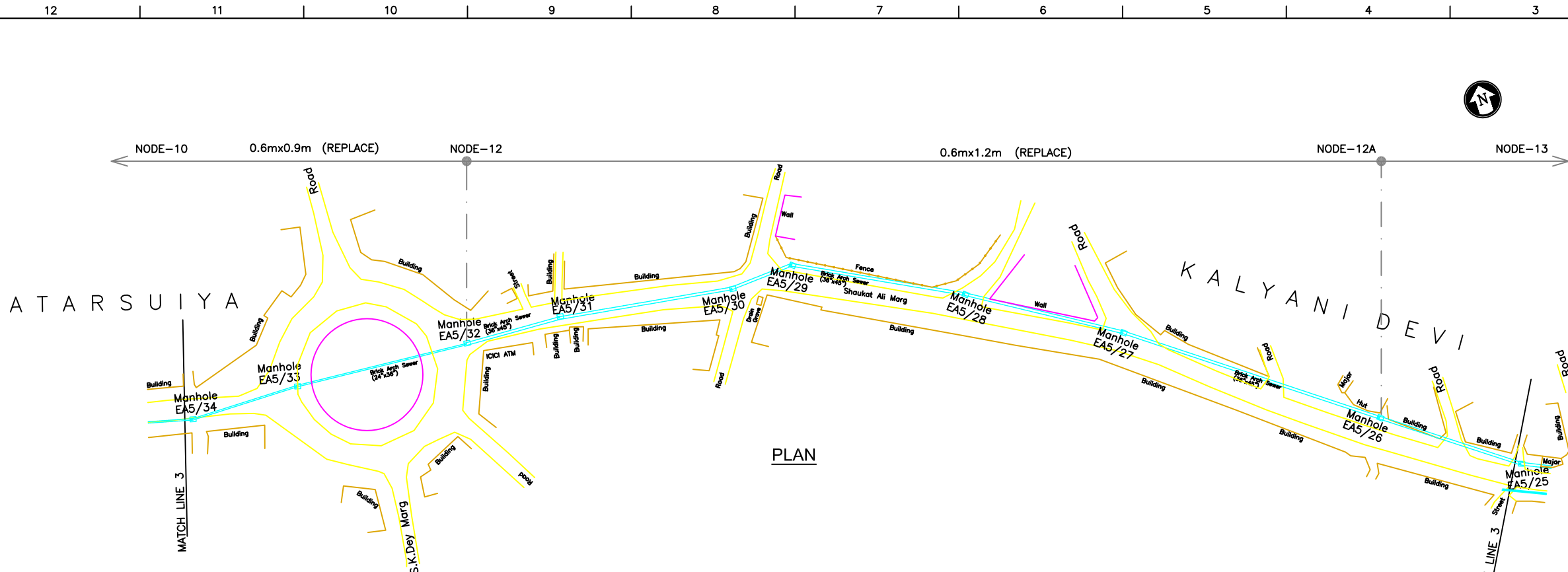
CONSULTANTS:

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

CORRIDOR: District : A
 Atarsuiya to Gaughat PS
 Node : 10-12-12A-13-P

SHEET CONTENTS: PLAN AND PROFILE (1/5)
 (Existing Sewer)
 (Ch. 00 - 380.50)

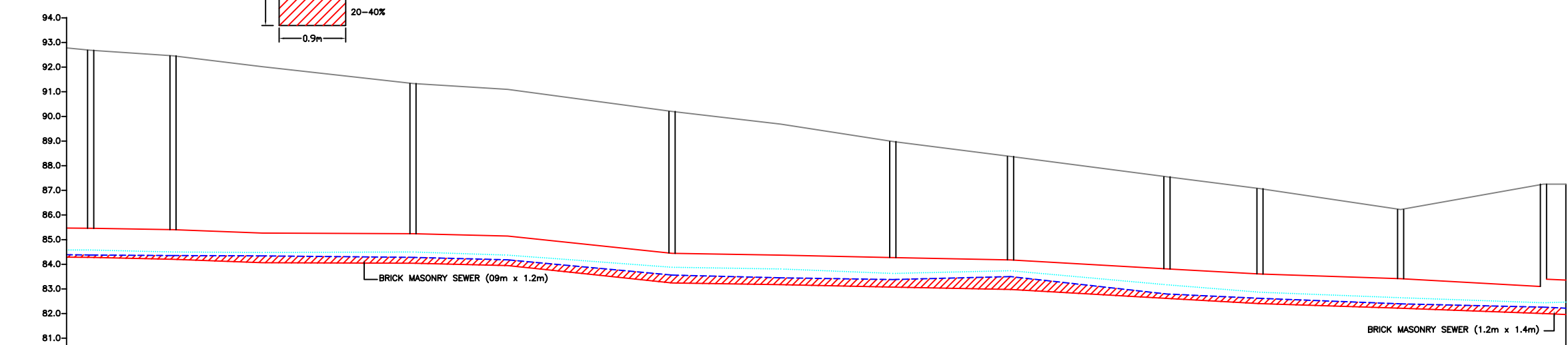
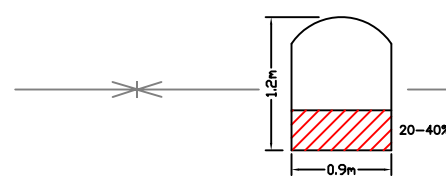
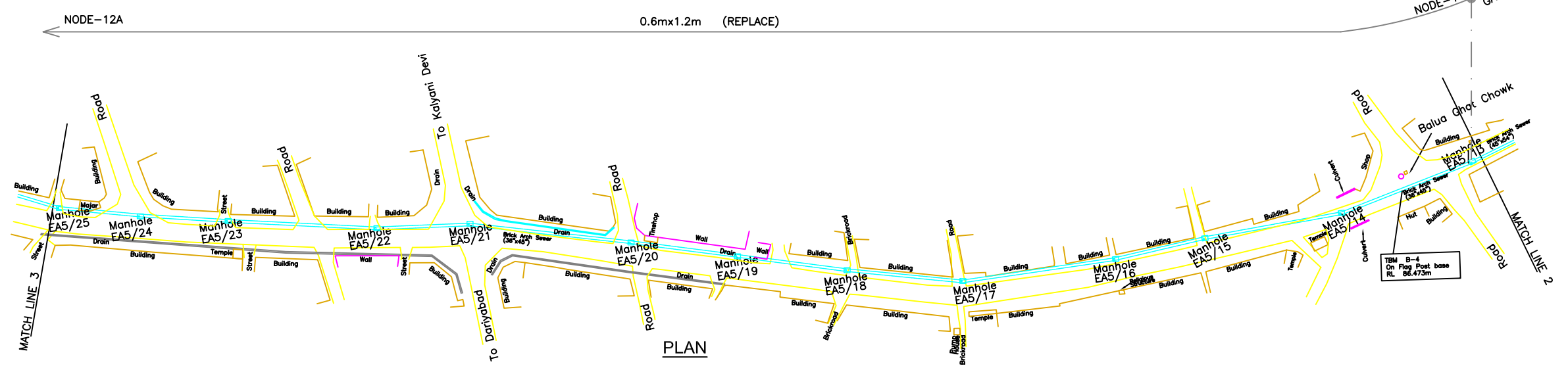
DRAWING NO. ALD-ES-A (AS-GGPS)-1
SHT. NO. 83



L-SECTION

- NOTES:**
- GTS BENCH MARK ON YAMUNA BRIDGE LOCATED ON STONE AT EAST END OF 9th PIER FROM SOUTH OF YAMUNA BRIDGE 292.075 (Feet) /89.024 (m)
 - ALL LEVELS ARE IN METERS
- LEGEND**
- PROPOSED SEWER LINE
 - PROPOSED RISING MAIN
 - ROAD EDGE
 - UNDERGROUND LINES
 - CULVERT/BRIDGE
 - HANDPUMP
 - ELECTRIC POLE
 - ELECTRIC LINE
 - TELEPHONE POLE
 - TELEPHONE LINE
 - TRANSFORMER
 - OFC PILLAR
 - KILOMETER POST
 - TREE
 - HECTOMETER POST
 - LAMP POST
 - RAILWAY LINE
 - NALA
 - WATER MAIN
 - EXISTING SEWER
 - TRENCHLESS TECHNOLOGY
 - NALA CROSSING
 - RAILWAY LINE CROSSING
 - % OF SILT DEPOSITION
- REFERENCE DRAWING:**

| | | | | | |
|--|--------------------------|---|-----------------------|---------|-----------------------|
| INST. | | | | | |
| ELEC. | | | | | |
| MECH. | | | | | |
| STRU. | | | | | |
| CIVIL | | | | | |
| REV. NO. | 0 | 1 | 2 | 3 | 4 |
| REV. | DESCRIPTION OF REVISIONS | | DATE | CHECKED | |
| CHECKED BY: | R. MITTAL | | APPROVED BY: D.SARKAR | | |
| | CHECK | | APPROVE | | |
| DRAWN | S.MITRA | | SCALE | | |
| DESIGNED | ANJESH | | H=1:1000 | | |
| SURVEYED | S.SHARMA | | V=1:100 | | |
| | DATE | | 03-01-05 | | |
| | | | | | |
| PROJECT: THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA FEASIBILITY STUDY FOR ALLAHABAD CITY | | | | | |
| CORRIDOR: District : A Atarsuiya to Gaughat PS Node : 10-12-12A-13-P | | | | | |
| SHEET CONTENTS: PLAN AND PROFILE (2/5) (Existing Sewer) (Ch. 380.50 - 944.10) | | | | | |
| DRAWING NO. ALD-ES-A (AS-GGPS)-2 | | | | | SHT. NO. 84 |



| STATION | 944.1 | 977.48 | 1013.64 | 1074.76 | 1113.13 | 1179.77 | 1223.85 | 1269.25 | 1316.95 | 1380.36 | 1418.07 | 1475.08 | 1532.97 |
|----------------------------|-----------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| GROUND LEVEL | 92.67 | 92.442 | 92.002 | 91.32 | 91.083 | 90.187 | 89.671 | 88.966 | 88.359 | 87.535 | 87.052 | 86.207 | 87.234 |
| WATER LEVEL/ LOOSE DEPOSIT | 84.565 | 84.485 | 84.465 | 84.485 | 84.358 | 83.865 | 83.795 | 83.615 | 83.725 | 83.154 | 82.852 | 82.629 | 82.425 |
| SEWER TOP LEVEL | 85.445 | 85.388 | 85.25 | 85.225 | 85.131 | 84.427 | 84.355 | 84.256 | 84.162 | 83.798 | 83.588 | 83.399 | 83.385 |
| SILT LEVEL | 84.36 | 84.338 | 84.325 | 84.285 | 84.165 | 83.546 | 83.435 | 83.365 | 83.485 | 82.778 | 82.602 | 82.379 | 82.245 |
| MANHOLE IL | 84.265 | 84.188 | 84.05 | 84.025 | 83.931 | 83.227 | 83.155 | 83.056 | 82.962 | 82.598 | 82.388 | 82.199 | 81.985 |
| SEWER SIZE/DIA | 0.9mx1.2m | | | | | | | | | | | | |
| MANHOLE ID | EAS/25 | EAS/24 | EAS/23 | EAS/22 | EAS/21 | EAS/20 | EAS/19 | EAS/18 | EAS/17 | EAS/16 | EAS/15 | EAS/14 | EAS/13 |
| CHAINAGE (M) | 944.1 | 977.48 | 1013.64 | 1074.76 | 1113.13 | 1179.77 | 1223.85 | 1269.25 | 1316.95 | 1380.36 | 1418.07 | 1475.08 | 1532.97 |

L-SECTION

- NOTES:**
- GTS BENCH MARK ON YAMUNA BRIDGE LOCATED ON STONE AT EAST END OF 9th PIER FROM SOUTH OF YAMUNA BRIDGE 292.075 (Feet) /89.024 (m)
 - ALL LEVELS ARE IN METERS

LEGEND

| | |
|-----------------------|--|
| PROPOSED SEWER LINE | |
| PROPOSED RISING MAIN | |
| ROAD EDGE | |
| UNDERGROUND LINES | |
| CULVERT/BRIDGE | |
| HANDPUMP | |
| ELECTRIC POLE | |
| ELECTRIC LINE | |
| TELEPHONE POLE | |
| TELEPHONE LINE | |
| TRANSFORMER | |
| OFC PILLAR | |
| KILOMETER POST | |
| TREE | |
| HECTOMETER POST | |
| LAMP POST | |
| RAILWAY LINE | |
| NALA | |
| WATER MAIN | |
| EXISTING SEWER | |
| TRENCHLESS TECHNOLOGY | |
| NALA CROSSING | |
| RAILWAY LINE CROSSING | |
| % OF SILT DEPOSITION | |

REFERENCE DRAWING:

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

| | | | |
|-------------|--------------------------|--------------|---------------------|
| REV. | DESCRIPTION OF REVISIONS | DATE | CHECKED |
| CHECKED BY: | R. MITTAL | APPROVED BY: | D.SARKAR |
| DRAWN | S.MITRA | SCALE | H=1:1000 V=1:100 |
| DESIGNED | ANJESH | DATE | 03-01-05 |
| SURVEYED | S.SHARMA | | |

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

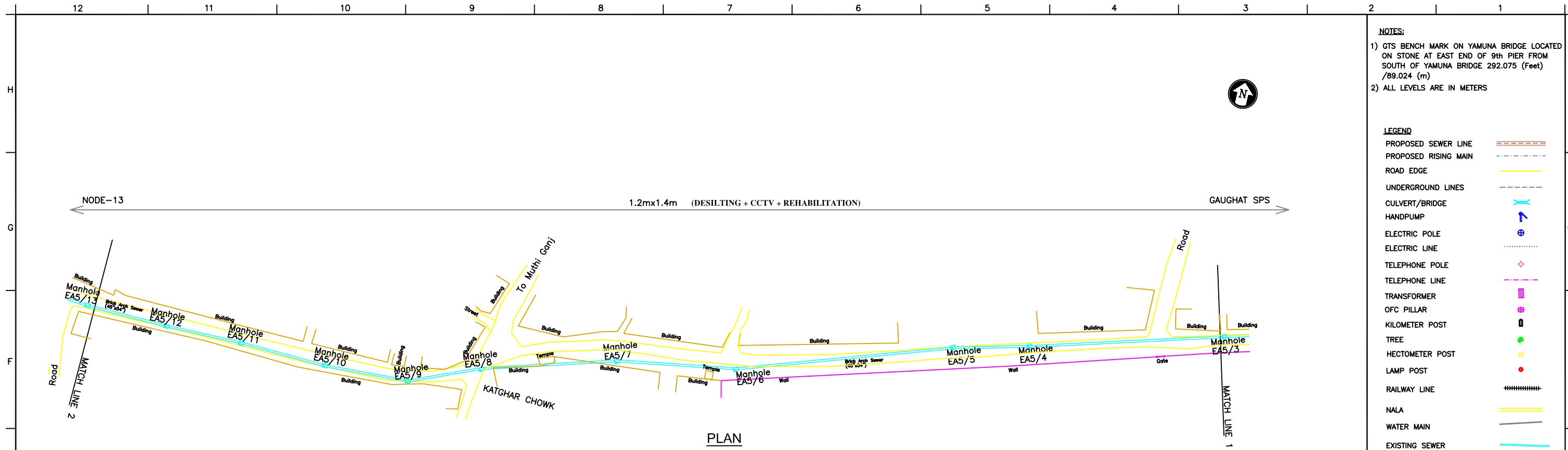
CONSULTANTS:

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

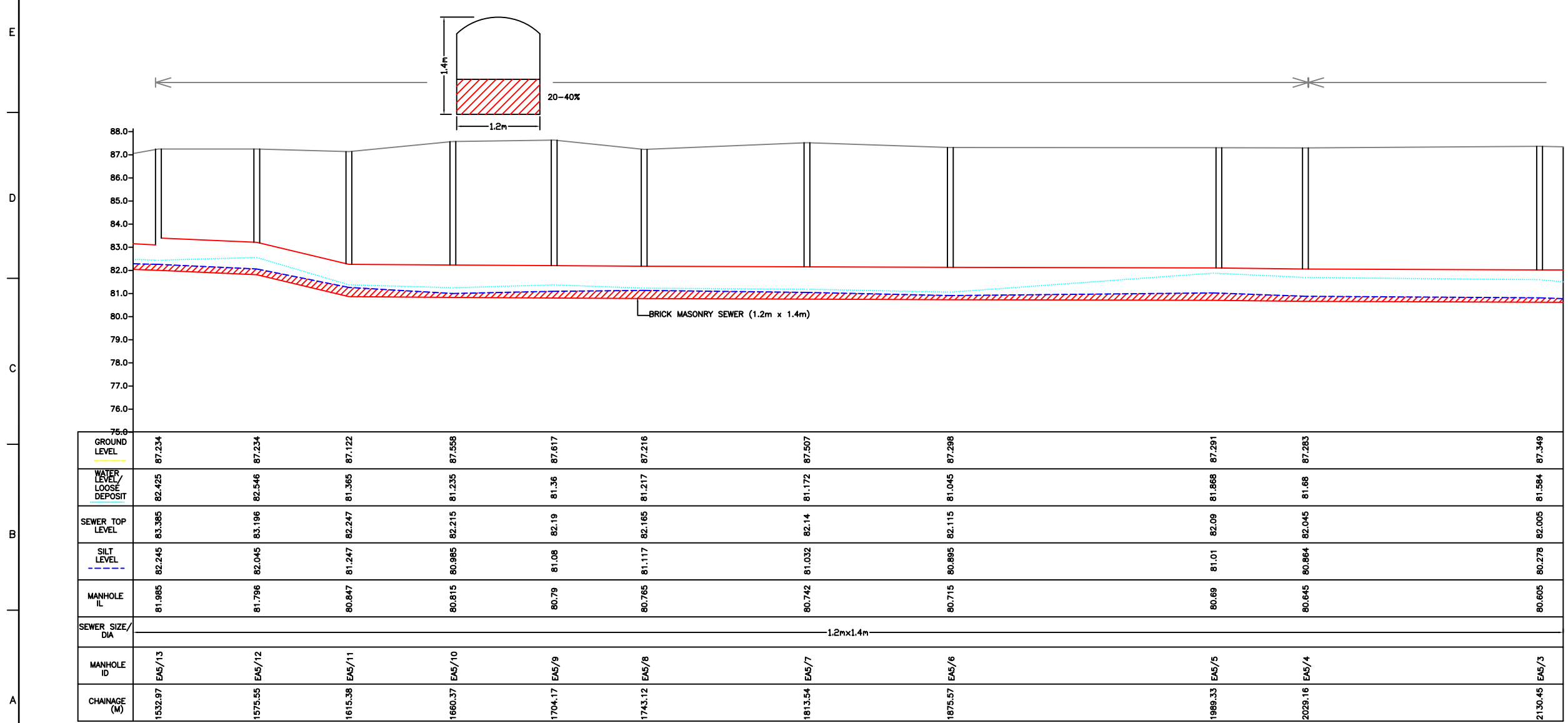
CORRIDOR: District : A
 Atarsuiya to Gaughat PS
 Node : 10-12-12A-13-P

SHEET CONTENTS: PLAN AND PROFILE (3/5)
 (Existing Sewer)
 (Ch. 944.10 - 1532.97)

| | | | |
|-------------|----------------------|----------|----|
| DRAWING NO. | ALD-ES-A (AS-GGPS)-3 | SHT. NO. | 85 |
|-------------|----------------------|----------|----|



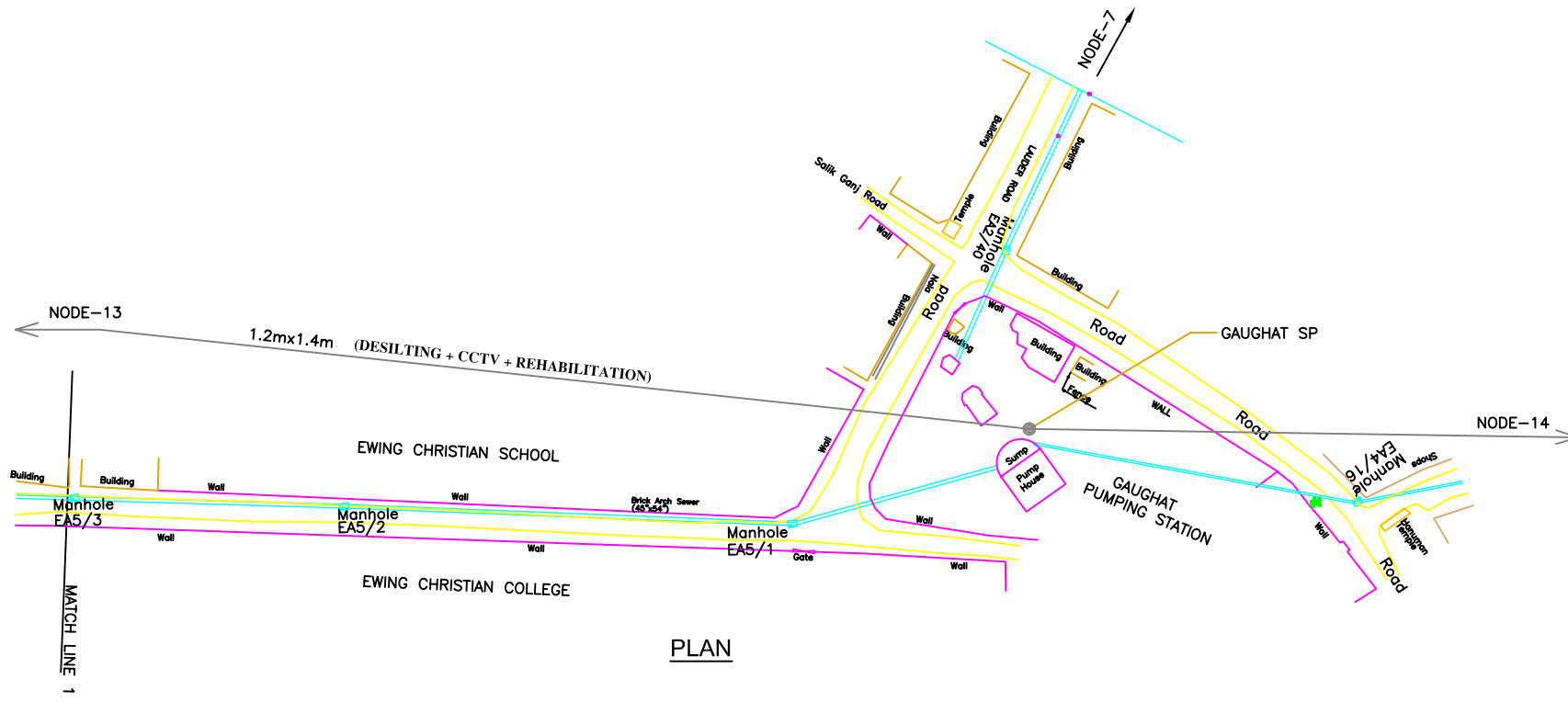
PLAN



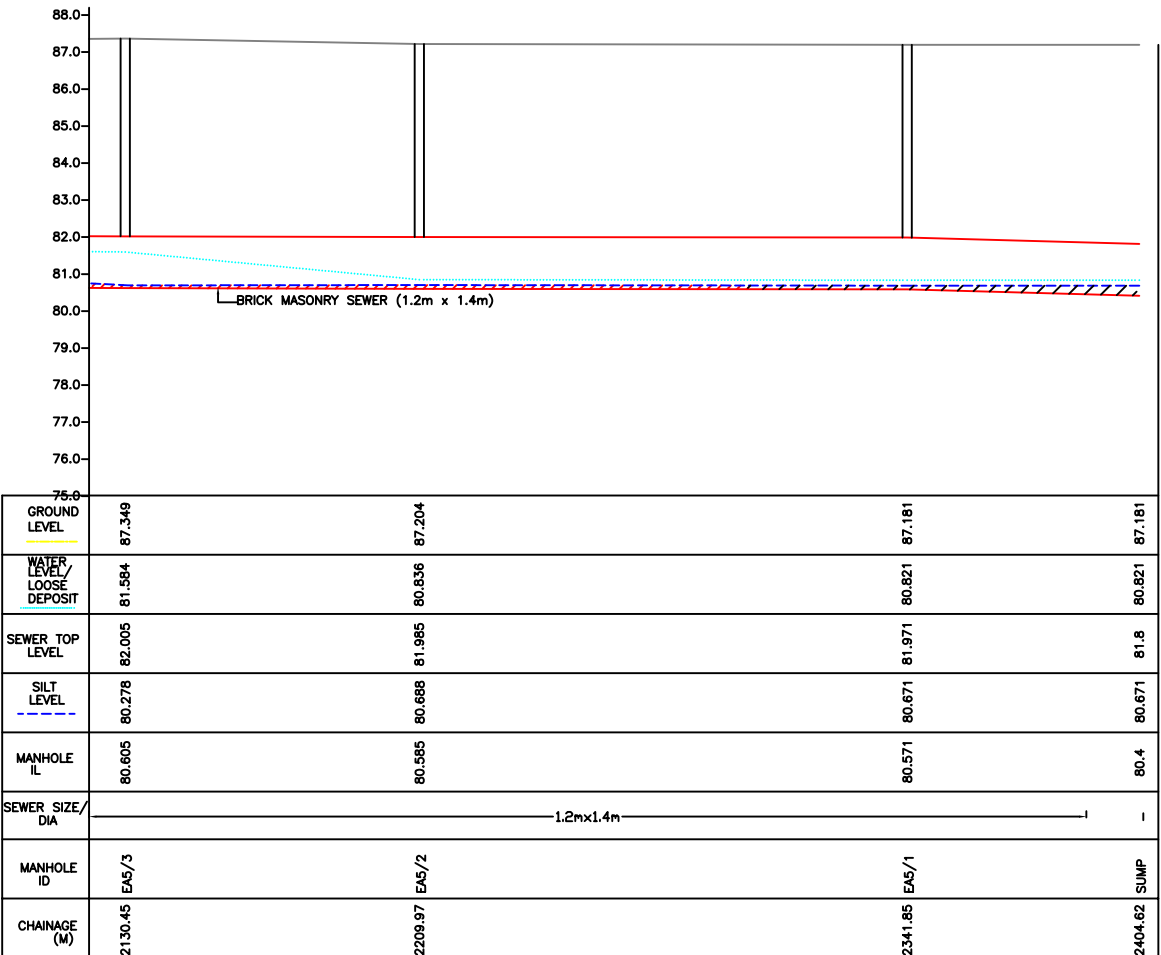
L-SECTION

- NOTES:**
- GTS BENCH MARK ON YAMUNA BRIDGE LOCATED ON STONE AT EAST END OF 9th PIER FROM SOUTH OF YAMUNA BRIDGE 292.075 (Feet) /89.024 (m)
 - ALL LEVELS ARE IN METERS
- LEGEND**
- PROPOSED SEWER LINE
 - PROPOSED RISING MAIN
 - ROAD EDGE
 - UNDERGROUND LINES
 - CULVERT/BRIDGE
 - HANDPUMP
 - ELECTRIC POLE
 - ELECTRIC LINE
 - TELEPHONE POLE
 - TELEPHONE LINE
 - TRANSFORMER
 - OFC PILLAR
 - KILOMETER POST
 - TREE
 - HECTOMETER POST
 - LAMP POST
 - RAILWAY LINE
 - NALA
 - WATER MAIN
 - EXISTING SEWER
 - TRENCHLESS TECHNOLOGY
 - NALA CROSSING
 - RAILWAY LINE CROSSING
 - % OF SILT DEPOSITION
- REFERENCE DRAWING:**

| | | | | | |
|--|--------------------------|---|--------------|---------------------|-------------|
| INST. | | | | | |
| ELEC. | | | | | |
| MECH. | | | | | |
| STRU. | | | | | |
| CIVIL | | | | | |
| REV NO. | 0 | 1 | 2 | 3 | 4 |
| REV. | DESCRIPTION OF REVISIONS | | DATE | CHECKED | |
| CHECKED BY: | R. MITTAL | | APPROVED BY: | D.SARKAR | |
| DRAWN | S.MITRA | | APPROVE | | |
| DESIGNED | ANJESH | | SCALE | H=1:1000 V=1:100 | |
| SURVEYED | S.SHARMA | | DATE | 03-01-05 | |
| <p>CONSULTANTS: TOKYO ENGINEERING CONSULTANTS CO., LTD. CTI ENGINEERING INTERNATIONAL CO., LTD. STUP CONSULTANTS LTD.</p> | | | | | |
| <p>PROJECT: THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA FEASIBILITY STUDY FOR ALLAHABAD CITY</p> | | | | | |
| <p>CORRIDOR: District : A Atarsuiya to Gaughat PS Node : 10-12-12A-13-P</p> | | | | | |
| <p>SHEET CONTENTS: PLAN AND PROFILE (4/5) (Existing Sewer) (Ch. 1532.97 - 2130.45)</p> | | | | | |
| DRAWING NO. ALD-ES-A (AS-GGPS)-4 | | | | | SHT. NO. 86 |



PLAN



L-SECTION

NOTES:

- GTS BENCH MARK ON YAMUNA BRIDGE LOCATED ON STONE AT EAST END OF 9th PIER FROM SOUTH OF YAMUNA BRIDGE 292.075 (Feet) /89.024 (m)
- ALL LEVELS ARE IN METERS

LEGEND

- PROPOSED SEWER LINE
- PROPOSED RISING MAIN
- ROAD EDGE
- UNDERGROUND LINES
- CULVERT/BRIDGE
- HANDPUMP
- ELECTRIC POLE
- ELECTRIC LINE
- TELEPHONE POLE
- TELEPHONE LINE
- TRANSFORMER
- OFC PILLAR
- KILOMETER POST
- TREE
- HECTOMETER POST
- LAMP POST
- RAILWAY LINE
- NALA
- WATER MAIN
- EXISTING SEWER
- TRENCHLESS TECHNOLOGY
- NALA CROSSING
- RAILWAY LINE CROSSING
- % OF SILT DEPOSITION

REFERENCE DRAWING:

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

| REV. | DESCRIPTION OF REVISIONS | DATE | CHECKED |
|------|--------------------------|------|---------|
| | | | |

CHECKED BY: R. MITTAL
 APPROVED BY: D.SARKAR

DRAWN: S.MITRA
 APPROVE: ANJESH

DESIGNED: ANJESH
 SURVEYED: S.SHARMA

SCALE: H=1:1000, V=1:100
 DATE: 03-01-05

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

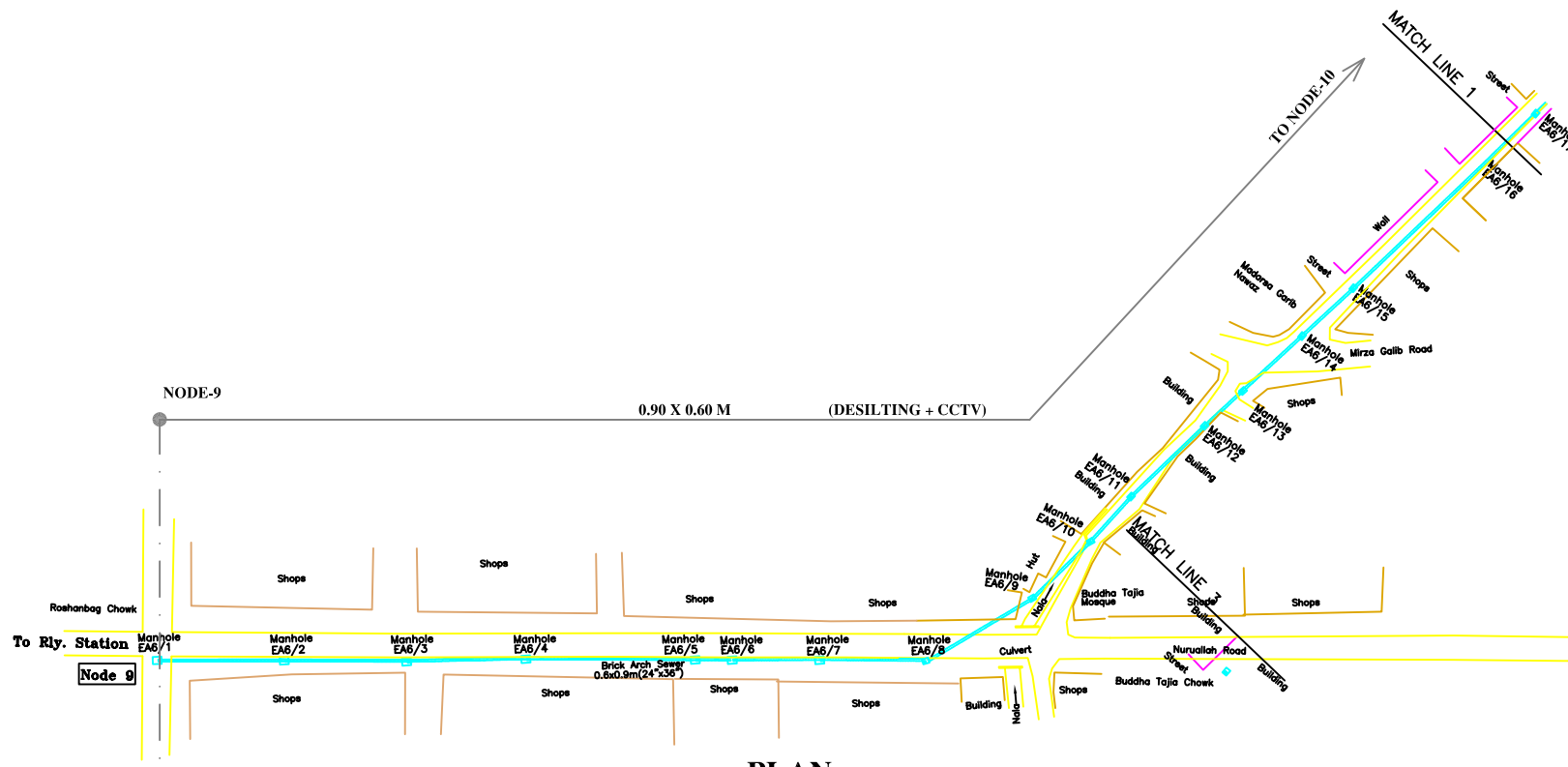
CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTI ENGINEERING INTERNATIONAL CO., LTD.
 STUP CONSULTANTS LTD.

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

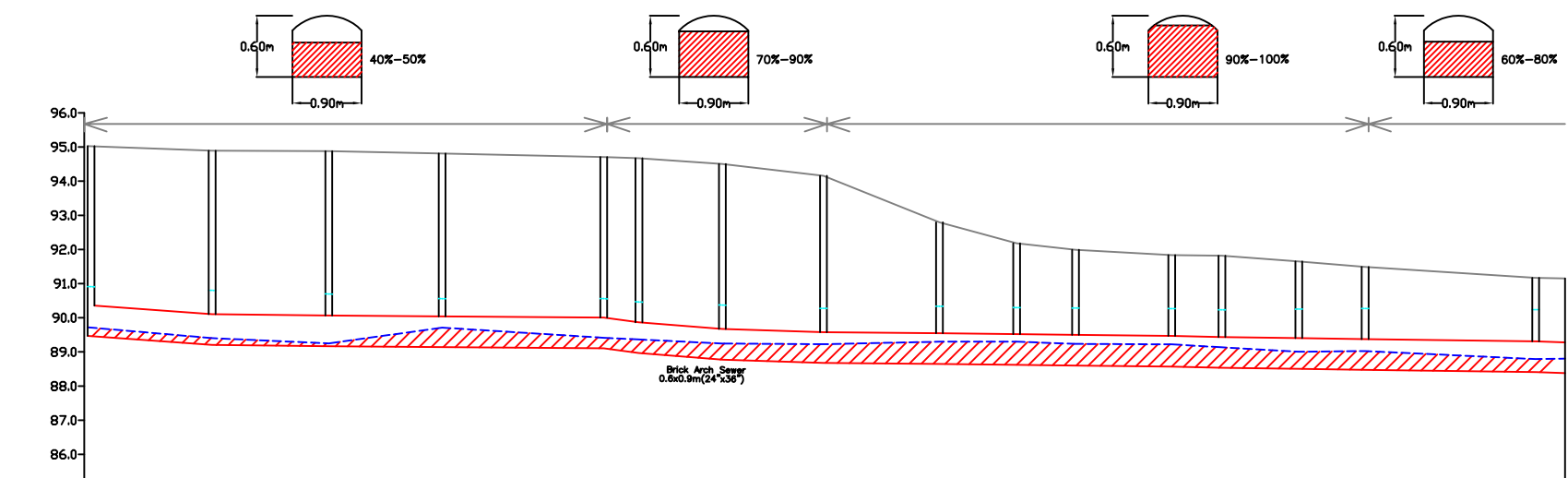
CORRIDOR: District : A
 Atarsuliya to Gaughat PS
 Node : 10-12-12A-13-P

SHEET CONTENTS: PLAN AND PROFILE (5/5)
 (Existing Sewer)
 (Ch. 2130.45 - 2404.62)

DRAWING NO. ALD-ES-A (AS-GGPS)-5
SHT. NO. 87



PLAN



L-SECTION

| | | | | | | | | | | | | | | | | |
|-------------------------------|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| GROUND LEVEL | 95.026 | 94.894 | 94.881 | 94.811 | 94.707 | 94.674 | 94.503 | 94.159 | 92.797 | 92.18 | 91.99 | 91.835 | 91.819 | 91.65 | 91.49 | 91.17 |
| WATER LEVEL/ LOOSE DEPOSIT | 90.912 | 90.804 | 90.699 | 90.561 | 90.564 | 90.465 | 90.374 | 90.276 | 90.34 | 90.3 | 90.285 | 90.271 | 90.234 | 90.255 | 90.275 | 90.24 |
| SEWER TOP LEVEL | 90.362 | 90.104 | 90.065 | 90.04 | 90.005 | 89.869 | 89.674 | 89.576 | 89.549 | 89.52 | 89.5 | 89.471 | 89.434 | 89.405 | 89.375 | 89.31 |
| SILT LEVEL | 89.712 | 89.404 | 89.249 | 89.711 | 89.414 | 89.365 | 89.245 | 89.226 | 89.299 | 89.3 | 89.235 | 89.221 | 89.134 | 89.005 | 89.025 | 88.79 |
| INVERT LEVEL | 89.462 | 89.204 | 89.165 | 89.14 | 89.105 | 88.969 | 88.774 | 88.676 | 88.649 | 88.62 | 88.6 | 88.571 | 88.534 | 88.505 | 88.475 | 88.41 |
| SEWER DIA./ SIZE | 0.90m x 0.60m | | | | | | | | | | | | | | | |
| MANHOLE ID | EA6/1 | EA6/2 | EA6/3 | EA6/4 | EA6/5 | EA6/6 | EA6/7 | EA6/8 | EA6/9 | EA6/10 | EA6/11 | EA6/12 | EA6/13 | EA6/14 | EA6/15 | EA6/16 |
| CHAINAGE (M) | 0.0 | 35.48 | 69.66 | 102.9 | 150.26 | 160.57 | 185.02 | 214.65 | 248.67 | 271.29 | 288.53 | 316.75 | 331.46 | 353.99 | 373.43 | 423.41 |

- NOTES:
- GTS BENCH MARK ON YAMUNA BRIDGE LOCATED ON STONE AT EAST END OF 9th PIER FROM SOUTH OF YAMUNA BRIDGE 292.075 (Feet) /89.024 (m)
 - ALL LEVELS ARE IN METERS

LEGEND

| | |
|-----------------------|--|
| PROPOSED SEWER LINE | |
| PROPOSED RISING MAIN | |
| ROAD EDGE | |
| UNDERGROUND LINES | |
| CULVERT/BRIDGE | |
| HANDPUMP | |
| ELECTRIC POLE | |
| ELECTRIC LINE | |
| TELEPHONE POLE | |
| TELEPHONE LINE | |
| TRANSFORMER | |
| OFC PILLAR | |
| KILOMETER POST | |
| TREE | |
| HECTOMETER POST | |
| LAMP POST | |
| RAILWAY LINE | |
| NALA | |
| WATER MAIN | |
| EXISTING SEWER | |
| TRENCHLESS TECHNOLOGY | |
| NALA CROSSING | |
| RAILWAY LINE CROSSING | |
| % OF SILT DEPOSITION | |

REFERENCE DRAWING:

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

| | | | |
|-------------|----------|--------------|---------------------|
| CHECKED BY: | R.MITTAL | APPROVED BY: | |
| DRAWN | M.PAHUJA | SCALE | H=1:1000 V=1:100 |
| DESIGNED | ANJESH | DATE | 03-01-05 |
| SURVEYED | S.SHARMA | | |

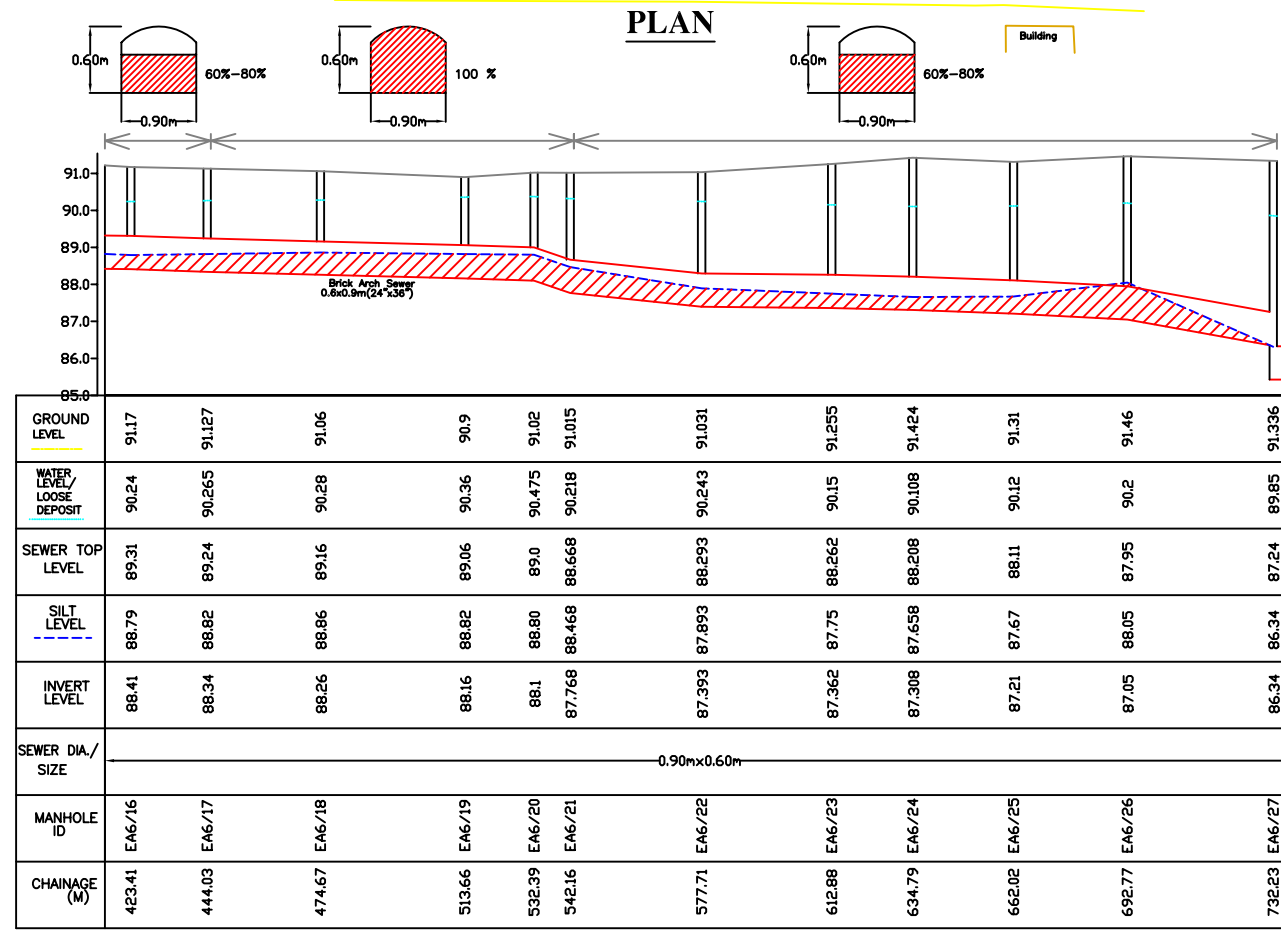
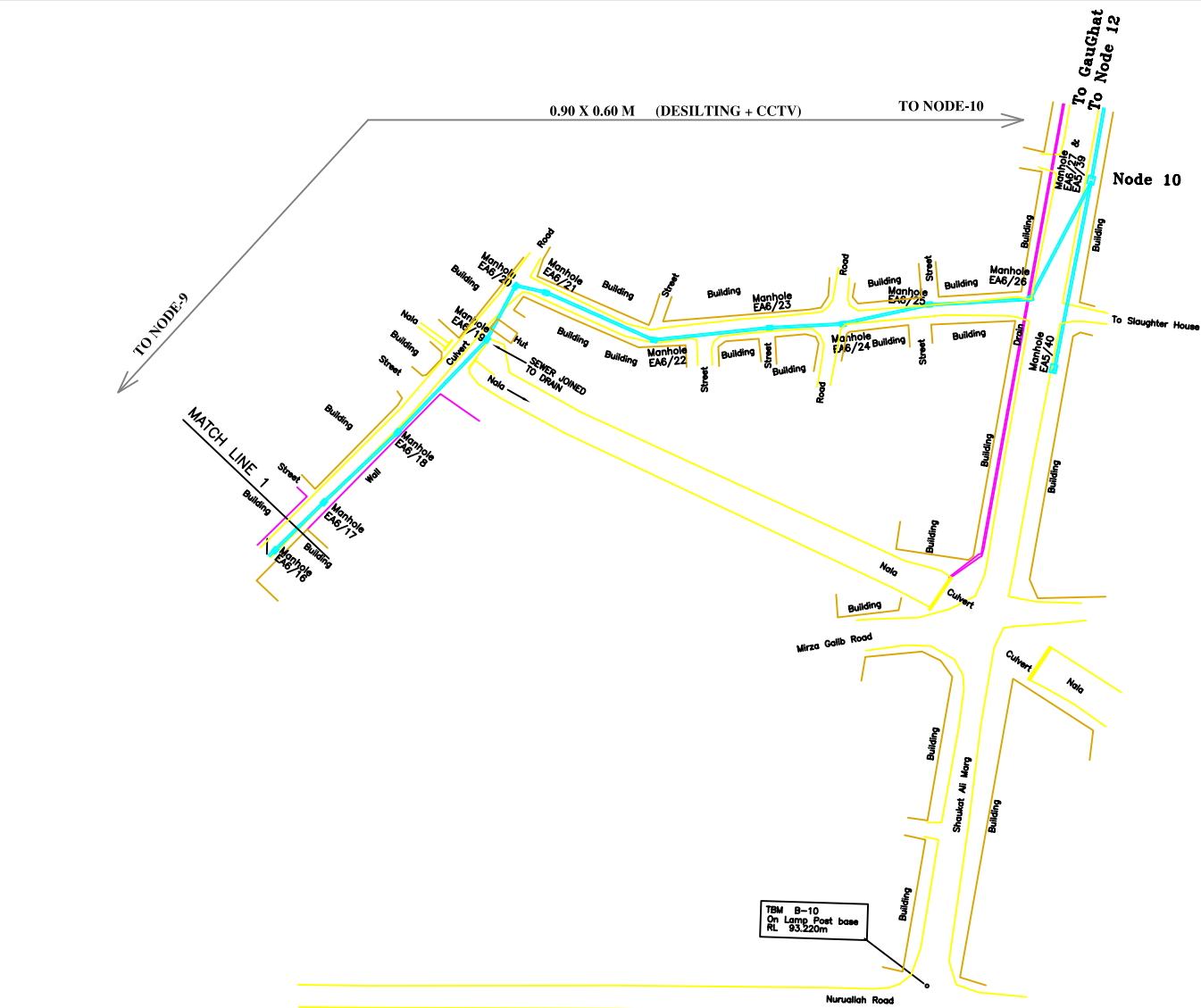
JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 CONSULTANTS:
 TOKYO ENGINEERING CONSULTANTS CO., LTD.
 CTI ENGINEERING INTERNATIONAL CO., LTD.
 STUP CONSULTANTS LTD.

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

CORRIDOR: District : A
 NURULLAH ROAD
 Node : 9-10

SHEET CONTENTS:
 PLAN AND PROFILE (1/2)
 (Existing Sewer)
 (Ch. 00 - 423.41)

| | | | |
|-------------|-----------------|----------|----|
| DRAWING NO. | ALD-ES-A (NR)-1 | SHT. NO. | 88 |
|-------------|-----------------|----------|----|



L-SECTION

NOTES:

- GTS BENCH MARK ON YAMUNA BRIDGE LOCATED ON STONE AT EAST END OF 9th PIER FROM SOUTH OF YAMUNA BRIDGE 292.075 (Feet) /89.024 (m)
- ALL LEVELS ARE IN METERS

LEGEND

- PROPOSED SEWER LINE
- PROPOSED RISING MAIN
- ROAD EDGE
- UNDERGROUND LINES
- CULVERT/BRIDGE
- HANDPUMP
- ELECTRIC POLE
- ELECTRIC LINE
- TELEPHONE POLE
- TELEPHONE LINE
- TRANSFORMER
- OFC PILLAR
- KILOMETER POST
- TREE
- HECTOMETER POST
- LAMP POST
- RAILWAY LINE
- NALA
- WATER MAIN
- EXISTING SEWER
- TRENCHLESS TECHNOLOGY
- NALA CROSSING
- RAILWAY LINE CROSSING
- % OF SILT DEPOSITION

REFERENCE DRAWING:

| | | | | | |
|--|--------------------------|-------|---------------------|------|----------------|
| INST. | | | | | |
| ELEC. | | | | | |
| MECH. | | | | | |
| STRU. | | | | | |
| CIVIL | | | | | |
| REV NO. | 0 | 1 | 2 | 3 | 4 |
| REV. | DESCRIPTION OF REVISIONS | | | DATE | CHECKED |
| CHECKED BY: R.MITTAL CHECK | | | APPROVED BY: | | |
| DRAWN | M. PAHLUA | | APPROVE | | |
| DESIGNED | ANJESH | SCALE | H=1:1000 V=1:100 | | |
| SURVEYED | S.SHARMA | DATE | 03-01-05 | | |
| | | | | | |
| PROJECT: THE STUDY ON WATER QUALITY MANAGEMENT PLAN FOR GANGA RIVER IN THE REPUBLIC OF INDIA FEASIBILITY STUDY FOR ALLAHABAD CITY | | | | | |
| CORRIDOR: District : A NURULLAH ROAD Node : 9-10 | | | | | |
| SHEET CONTENTS: PLAN AND PROFILE (2/2) (Existing Sewer) (Ch. 423.41-732.23) | | | | | |
| DRAWING NO. ALD-ES-A (NR)-2 | | | | | SHT. NO. 89 |

| NODE- 5-8-11A | | 11A-11B | 11B-ALOPIBAG PS |
|---------------|---------------|---------------|------------------|
| 1. | BRICK MASONRY | BRICK MASONRY | BRICK MASONRY |
| 2. | 1.3mx1.1m | 1.3mx1.1m | 1.3mx1.1m |
| 3. | 212.63 | 281.16 | 222.05 |
| 4. | 201.73 | 175.39 | 197.36 |
| 5. | 13.65 | 22.55 | 54.26 |
| 6. | 13.31 | 24.75 | 14.00 |
| 7. | POOR | POOR | POOR |
| 8. | REPLACE | REPLACE | DESILTING + CCTV |
| 9. | - | -- | -- |
| 10. | - | -- | -- |
| 11. | 1258426.00 | | |

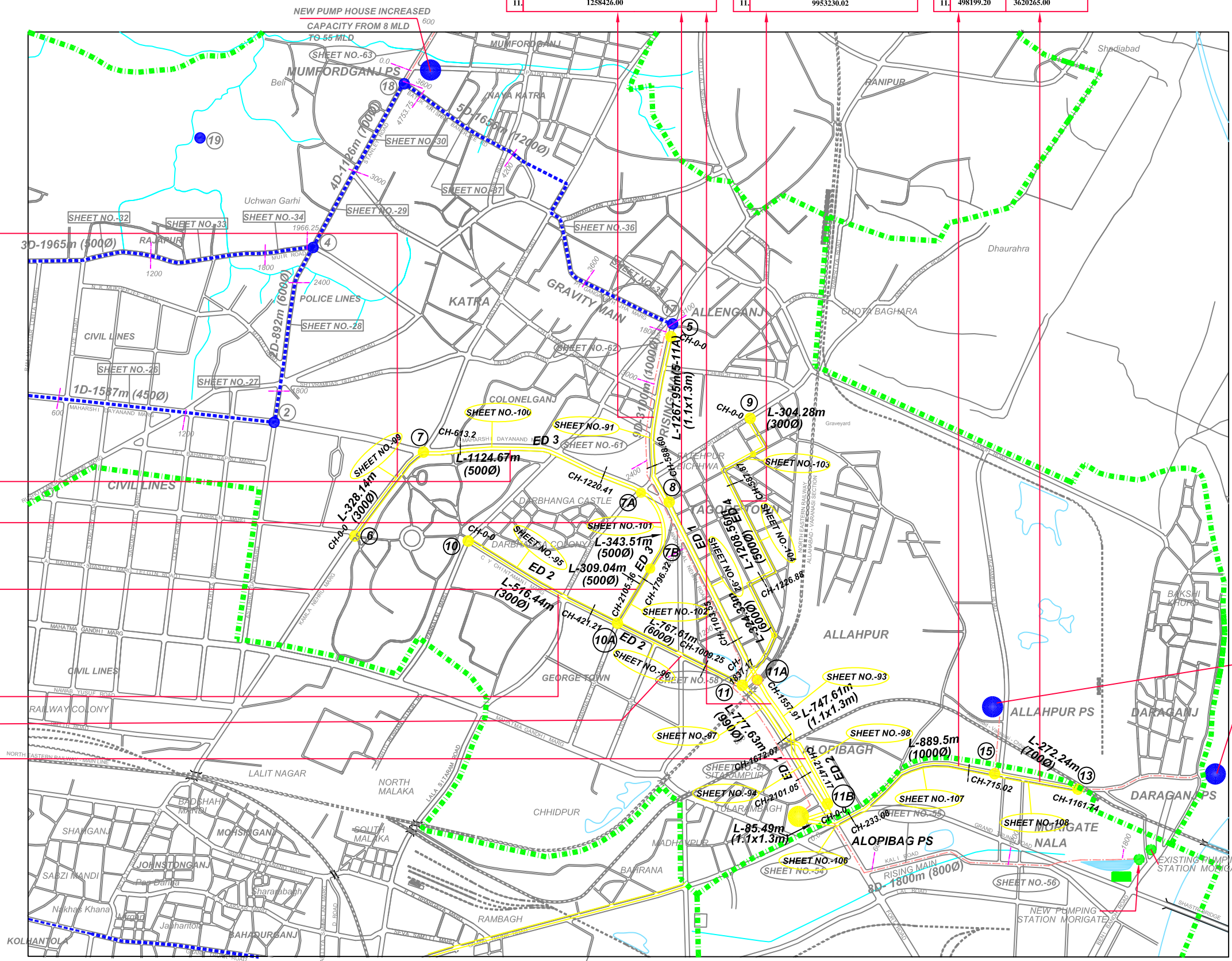
| NODE-9 - 11 | | | |
|-------------|---------------|---------------|---------------|
| 1. | BRICK MASONRY | BRICK MASONRY | BRICK MASONRY |
| 2. | 0.3m | 0.5m | 0.6m |
| 3. | 330.74 | 439.80 | 1287.02 |
| 4. | 3.43 | 11.61 | 11.04 |
| 5. | 12.10 | 12.10 | 12.10 |
| 6. | 69.00 | 91.10 | 45.80 |
| 7. | POOR | POOR | POOR |
| 8. | REPLACE | REPLACE | REPLACE |
| 9. | 500 | 600 | 700 |
| 10. | 330.74 | 439.80 | 1287.02 |
| 11. | 9953230.02 | | |

| NODE- 13-15 | | 15-ALOPIBAGH SPS |
|-------------|------------------|------------------|
| 1. | BRICK MASONRY | BRICK MASONRY |
| 2. | 0.7m | 1.0m |
| 3. | 760.45 | 1051.42 |
| 4. | 21.66 | 47.69 |
| 5. | 18.06 | 36.98 |
| 6. | 32.97 | 42.00 |
| 7. | POOR | POOR |
| 8. | DESILTING + CCTV | DESILTING + CCTV |
| 9. | -- | -- |
| 10. | -- | -- |
| 11. | 498199.20 | 3620265.00 |

| NODE-6-7 | |
|----------|------------------|
| 1. | CONCRETE PIPE |
| 2. | 0.3m |
| 3. | 260.43 |
| 4. | 3.86 |
| 5. | 5.96 |
| 6. | 100.00 |
| 7. | POOR |
| 8. | DESILTING + CCTV |
| 9. | 400m |
| 10. | 260.43 |
| 11. | 1422893.45 |

| NODE- 7-7A | | 7A-7B | 7B-10A |
|------------|---------------|---------------|------------------|
| 1. | CONCRETE PIPE | CONCRETE PIPE | CONCRETE PIPE |
| 2. | 0.5m | 0.5m | 0.5m |
| 3. | 67.73 | 379.57 | 386.78 |
| 4. | 30.30 | 12.80 | 12.68 |
| 5. | 8.55 | 8.55 | 8.55 |
| 6. | 36.25 | 71.49 | 28.40 |
| 7. | POOR | POOR | POOR |
| 8. | REPLACE | REPLACE | DESILTING + CCTV |
| 9. | - | 500mm | -- |
| 10. | - | 379.57 | -- |
| 11. | 1439577.60 | 1566092.54 | 395571.2 |

| NODE- 10-10A | | 10A-11 | 11-11B |
|--------------|---------------|---------------|------------------|
| 1. | CONCRETE PIPE | BRICK MASONRY | BRICK MASONRY |
| 2. | 0.3m | 0.6m | 0.99m (39") |
| 3. | 49.70 | 451.00 | 668.64 |
| 4. | 8.85 | 18.65 | 58.22 |
| 5. | 11.06 | 19.61 | 31.71 |
| 6. | 30.46 | 43.20 | 26.82 |
| 7. | POOR | POOR | POOR |
| 8. | REPLACE | REPLACE | DESILTING + CCTV |
| 9. | 400mm | 700m | -- |
| 10. | 49.70 | 451.00 | -- |
| 11. | 6273081.01 | 3172730.40 | -- |



NOTES :-
FOR DETAILS OF PIPELINE ALIGNMENT REFER RESPECTIVE DRAWING.

LEGEND

- EXISTING SEWERS
- PROPOSED GRAVITY SEWER
- PROPOSED RISING MAIN
- OTHER ROAD / FOOTPATH
- RAILWAY
- RIVER/WATER BODIES
- DRAIN
- SEWER ZONE BOUNDARY
- LOCALITY
- NODE
- MATERIAL
- DIA / SIZE(M)
- AVERAGE SLOPE
- AVERAGE DISCHARGE
- CAPACITY (MLD)
- PROPOSED DESIGN DISCHARGE (MLD)
- AVERAGE SILTING %
- CONDITION
- PROPOSAL
- ESTIMATED COST

REFERENCE DRAWING:
BASE MAP ---- ALD-BM-ABCD-1

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

| REV. | DESCRIPTION OF REVISIONS | DATE | CHECKED |
|------|--------------------------|------|---------|
| | | | |

CHECKED BY: R.Mittal
APPROVED BY: D.Sarkar

DESIGNED: ANJESH
SCALE: 1:1000

SURVEYED: S.Sharma
DATE: 3-1-2005

JICA JAPAN INTERNATIONAL COOPERATION AGENCY

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

SHEET CONTENTS:
KEY PLAN OF EXISTING SEWER (DISTRICT-D)

DRAWING NO. ALD-ES-D-1
SHT. NO. 90