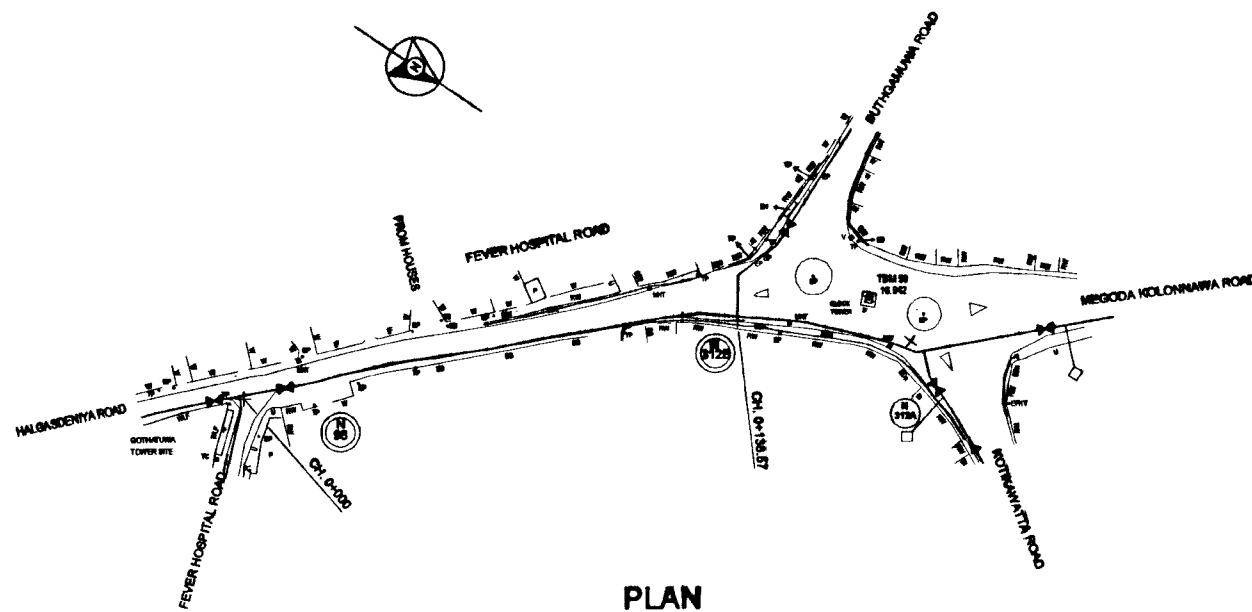


LONGITUDINAL SECTION



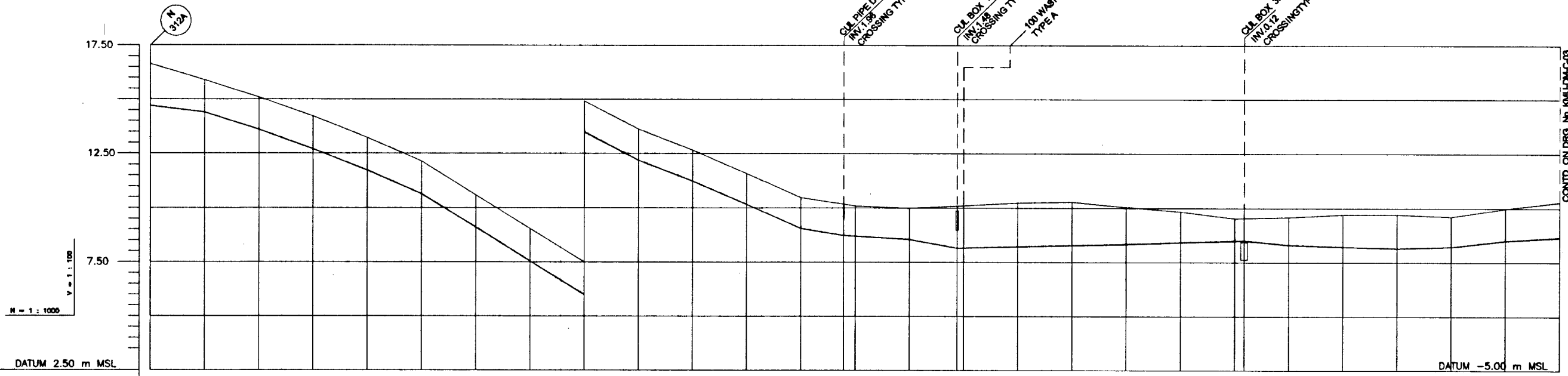
PLAN

NOTES

1. ALL DI PIPES SHALL BE PROVIDED WITH PE SLEEVING EXCEPT AT RESTRAINED LENGTHS.
2. THE LOCATION AND INVERT LEVELS OF PROPOSED PIPELINES ARE ONLY INDICATIVE.
3. PVC WATER DISTRIBUTION PIPES AND TELECOMMUNICATION CABLES EXIST ON ALL ROADS OF THE PROJECT AREA.
4. CONTRACTOR SHALL EXCAVATE TRIAL PITS AT REGULAR INTERVALS TO VERIFY THE LOCATION AND LEVELS OF EXISTING UTILITIES. THE LOCATION AND LEVELS OF THE PROPOSED DISTRIBUTION PIPES SHALL BE DECIDED BASED ON THE DATA OBTAINED FROM FIELD STUDIES.
5. EXCAVATION SHALL BE DONE MANUALLY WHEREVER INSTRUCTED BY THE ENGINEER.
6. PLANS INDICATING APPROXIMATE LOCATION OF WATER PIPES AND TELECOMMUNICATION CABLE ARE AVAILABLE AT NWSDB FOR REFERENCE.
7. TRAFFIC MOVEMENTS SHALL BE MAINTAINED WITHOUT INTERRUPTION EXCEPT AT ROADS WHERE THE TOTAL CLOSURE IS PERMITTED BY THE ENGINEER.
8. FOR TYPICAL DETAILS OF CULVERT CROSSING REFER DRG. No. STD/C-01.
9. FOR TYPICAL DETAILS OF VALVE CHAMBERS AND SURFACE BOXES REFER DRG. No. STD/C-02.
10. FOR TYPICAL DETAILS OF AIR VALVES REFER DRG. No. STD/C-03.
11. FOR TYPICAL DETAILS OF WASHOUT VALVES AND OUTLETS, REFER DRG. No. STD/C-04.
12. FOR TYPICAL DETAILS OF MARKER POSTS AND BOUNDARY POSTS, REFER DRG. No. STD/C-05.
13. FOR TYPICAL DETAILS OF FIRE HYDRANT AND WASTE METERS, REFER DRG. No. STD/C-06.
14. FOR TYPICAL DETAILS OF THRUST BLOCKS, PIPE BEDDING & TRENCHES, REFER DRG. No. STD/C-08.
15. AS EXISTING WATER TABLE IS SHALLOW IN SOME AREAS FLOATATION OF PIPES SHALL BE AVOIDED DURING CONSTRUCTION.
16. LS DRAWINGS FOR DISTRIBUTION PIPES THROUGH NODES 1074, 1096, 1085, 1086, 888, 823, 22 AND UP TO TOWER OUTLET ARE INCORPORATED IN TRANSMISSION MAIN DRAWINGS Nos. KMUDMIC-1 TO C-7.
17. FOR JUNCTION DETAILS REFER DRAWING No. KMUDMIC-08 THROUGH C-75.

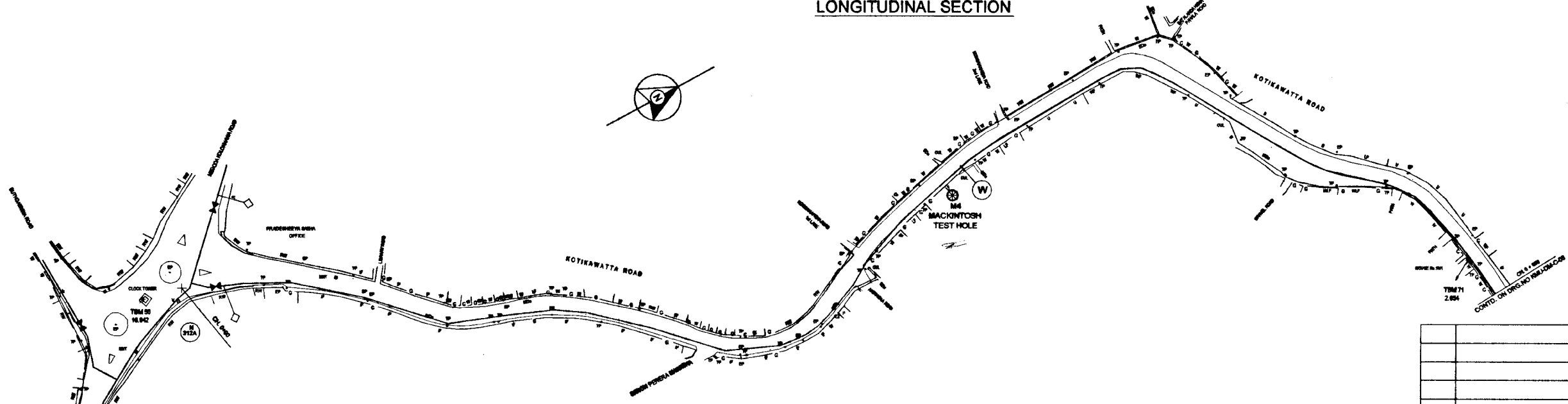
DO NOT SCALE

| | | | | |
|---|---|--|--|-----------------------------------|
| | NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | | TITLE: KOTIKAWATTA MULLERIYAWA | |
| | DESCRIPTION: FEBER HOSPITAL ROAD | | DATE: JAN 2007 | |
| DESIGNED: <i>[Signature]</i> | | CHECKED: <i>[Signature]</i> | | CONTRACT NO.: NRW / CW |
| BY: <i>[Signature]</i> | | DATE: 20.01.07 | | SCALE: KMU / DM / C - 1 |
| PROJECT: JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN | | REVISIONS: 1. <i>[Signature]</i> | | |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|----------------|-------|-------|-------|-------|-------|-------|------|-------|------|------|-------|------|-------|------|------|------|------|------|------|------|------|------|--------|-------|------|-------|------|------|------|--|--|
| GROUND LEVEL (m) | 14.70 | 14.39 | 13.99 | 13.71 | 13.16 | 12.08 | 10.52 | 8.97 | 7.42 | 6.12 | 5.16 | 4.06 | 2.06 | 2.88 | 2.80 | 2.47 | 2.59 | 2.61 | 2.74 | 2.76 | 2.53 | 2.34 | 2.03 | 2.03 | 2.06 | 2.21 | 2.21 | 2.11 | 2.48 | 2.78 | | |
| INVERT LEVELS (m) | 14.70 | 14.39 | 13.99 | 12.71 | 11.73 | 10.65 | 9.10 | 7.54 | 6.00 | 4.69 | 3.73 | 2.86 | 1.66 | 1.23 | 1.20 | 1.04 | 0.65 | 0.66 | 0.71 | 0.77 | 0.83 | 0.91 | 1.00 | 0.80 | 0.72 | 0.84 | 0.72 | 1.00 | 1.14 | 1.14 | | |
| PIPE DETAILS | 400 DI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 0 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 315.7 | 325 | 350 | 372 | 376 | 400 | 425 | 450 | 475 | 500 | 504.43 | 525 | 550 | 575 | 600 | 625 | 650 | | |
| REMARKS | TYPE C BEDDING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | 22.5 | | | | | 22.5 | | | 11.25 | | 22.5 | 11.25 | | | | | 22.5 | 22.5 | | | | | | | 11.25 | | 11.25 | | 22.5 | | | |

LONGITUDINAL SECTION



PLAN

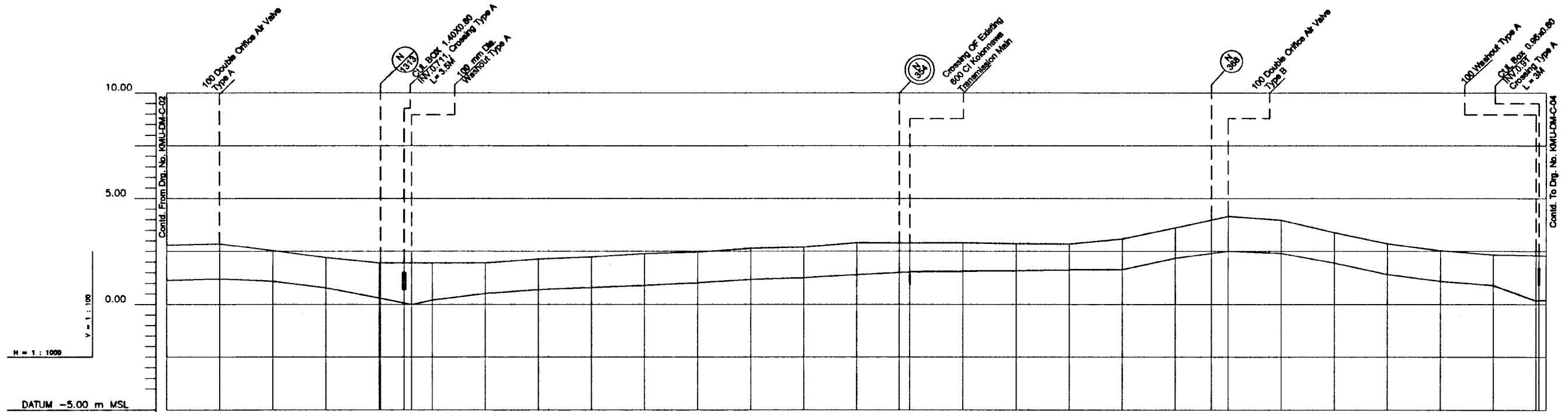
NOTE
1. FOR GENERAL NOTES, REFER DRG. No. RBLJCMC-1

DO NOT SCALE

| | | |
|--|---|---|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | <p>SUB PROJECT: KOTIKAWATTA MULLERIYAWA</p> | <p>TITLE: KOTIKAWATTA ROAD</p> |
| | <p>SHEET 1 OF 3</p> | |
| <p>DESIGNED: <i>[Signature]</i></p> | <p>DRAWN: <i>[Signature]</i></p> | <p>DATE: JAN 2001</p> |
| <p>CHECKED: <i>[Signature]</i></p> | <p>PERMITTED BY: <i>[Signature]</i></p> | <p>CONTRACT NO: NRW / CW</p> |
| <p>CH. TEAM LEADER: <i>[Signature]</i></p> | <p>A.S.M. PER. INCHG: <i>[Signature]</i></p> | <p>DWG. No: KMU / DM / C - 2</p> |
| <p>TEAM LEADER: <i>[Signature]</i></p> | <p>D.A.M. PER. INCHG: <i>[Signature]</i></p> | |

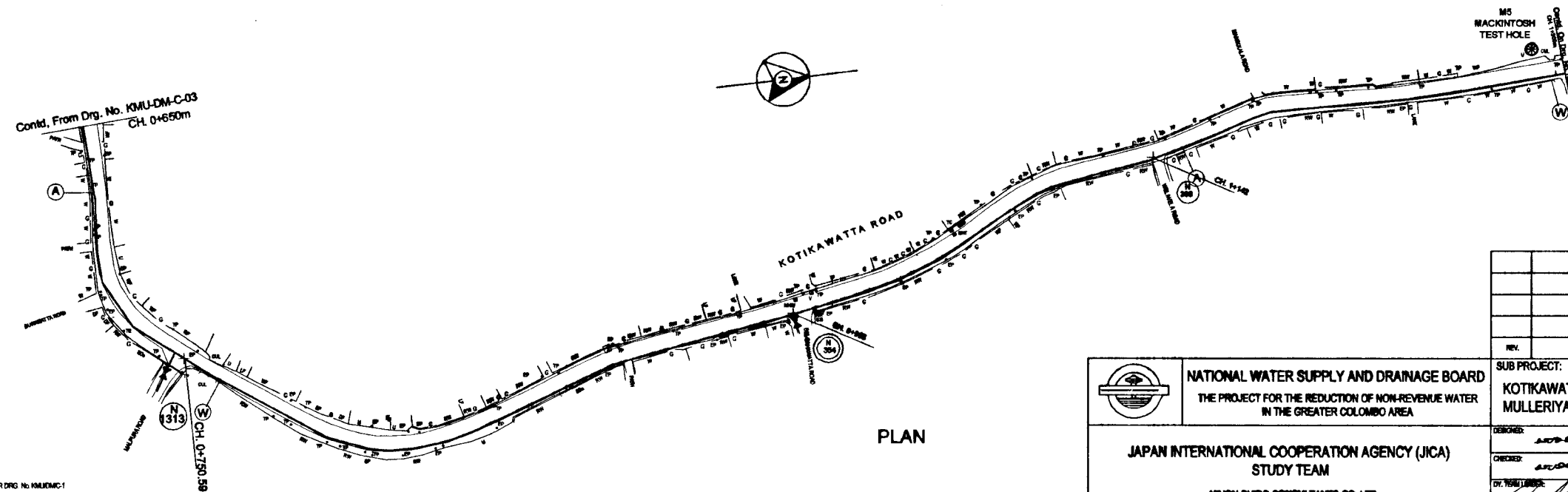
CONTD. ON DRG. No. KMLJDMC-03

CONTD. ON DRG. No. RBLJCMC-03



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|----------------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| GROUND LEVEL (m) | 2.78 | 2.84 | 2.53 | 2.21 | 1.98 | 1.96 | 1.95 | 1.95 | 2.14 | 2.23 | 2.39 | 2.46 | 2.65 | 2.70 | 2.90 | 2.89 | 2.89 | 2.90 | 2.86 | 2.85 | 3.06 | 3.61 | 3.98 | 4.16 | 3.97 | 3.38 | 2.85 | 2.53 | 2.34 | 2.39 | | |
| INVERT LEVELS (m) | 1.14 | 1.20 | 1.10 | 0.78 | 0.30 | 0.00 | 0.20 | 0.52 | 0.70 | 0.80 | 0.90 | 1.03 | 1.18 | 1.22 | 1.40 | 1.53 | 1.56 | 1.56 | 1.63 | 1.63 | 1.85 | 2.18 | 2.40 | 2.50 | 2.40 | 1.96 | 1.42 | 1.10 | 0.90 | 0.18 | | |
| PIPE DETAILS | 800 C/I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 650 | 675 | 700 | 725 | 750 | 761.8 | 775 | 800 | 825 | 850 | 875 | 900 | 925 | 950 | 975 | 995 | 1000 | 1025 | 1050 | 1075 | 1100 | 1125 | 1142 | 1150 | 1175 | 1200 | 1250 | 1250 | 1275 | 1300 | | |
| REMARKS | TYPE C BEDDING | | | | | | | | | | | | | | | TYPE C BEDDING | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | 11.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION

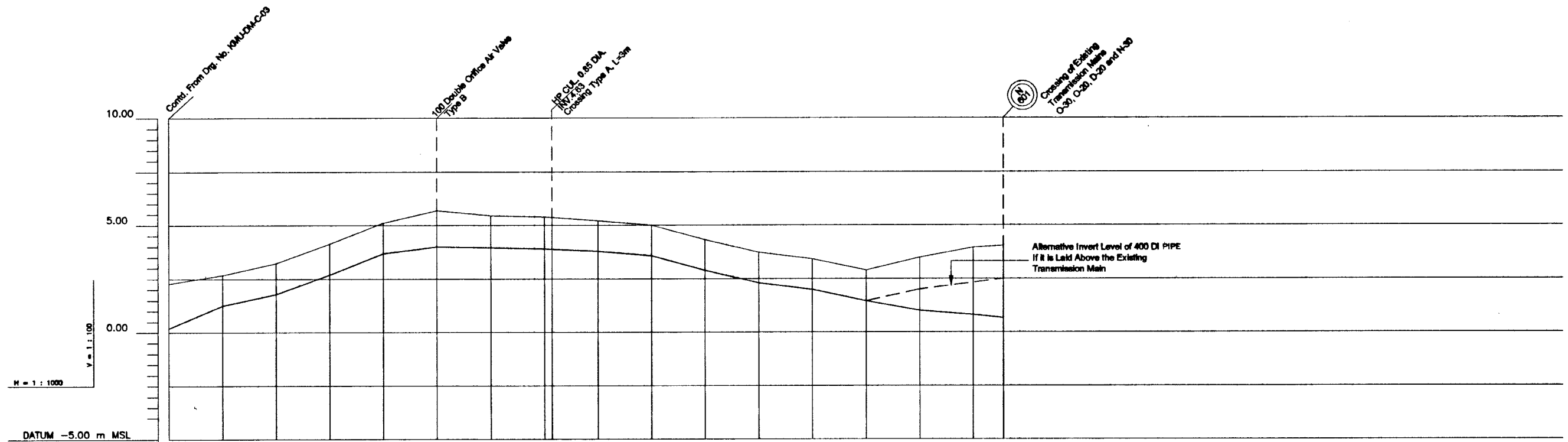


PLAN

DO NOT SCALE

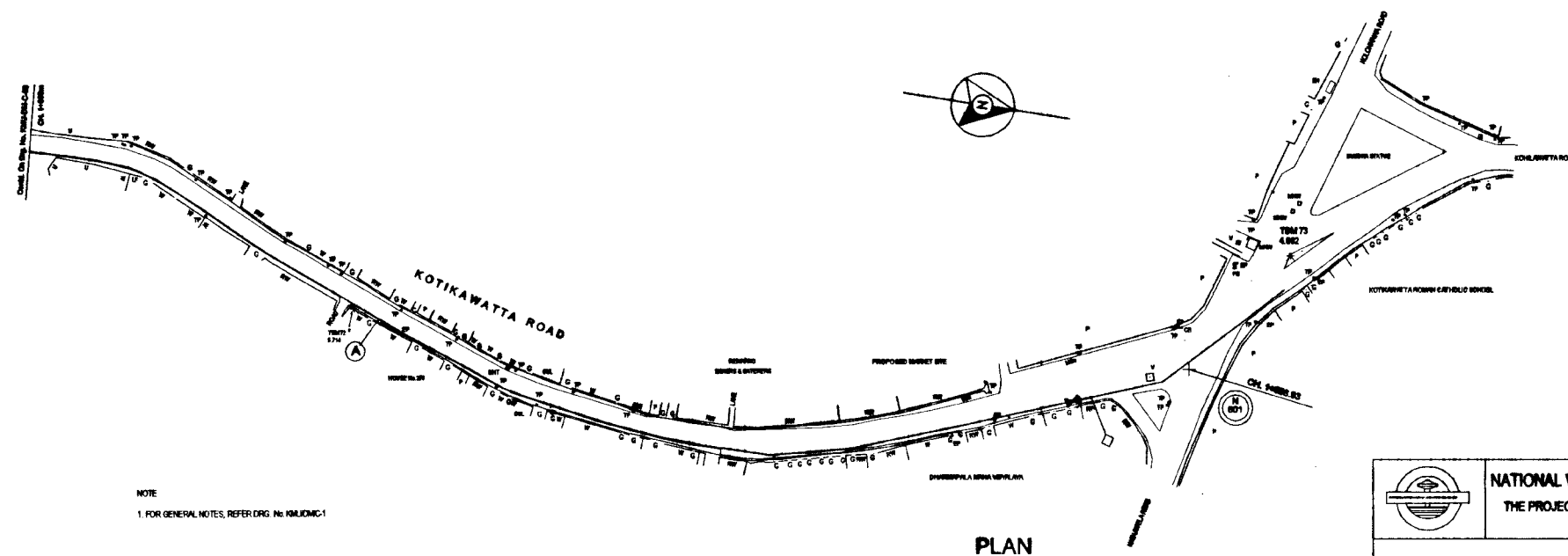
NOTE
1. FOR GENERAL NOTES, REFER DRG. No. NM/MCMC-1

| | | | |
|--|---|------------------------------------|--|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | <p>SUB PROJECT: KOTIKAWATTA MULLERIYAWA</p> | <p>TITLE: KOTIKAWATTA ROAD</p> | <p>SHEET 2 OF 3</p> |
| | <p>DESIGNED: <i>[Signature]</i></p> | <p>DATE: JAN 2001</p> | <p>CONTRACT No: NRW / CW</p> |
| <p>CHECKED: <i>[Signature]</i></p> | <p>DR. NAME: <i>[Signature]</i></p> | <p>DATE: <i>[Signature]</i></p> | <p>DRG. No: KMU / DM / C - 03</p> |
| <p>DATE: <i>[Signature]</i></p> | <p>DATE: <i>[Signature]</i></p> | <p>DATE: <i>[Signature]</i></p> | <p>DATE: <i>[Signature]</i></p> |




| | | | | | | | | | | | | | | | | | | |
|----------------------|----------------|------|------|------|------|------|------|------|---------|------|------|------|------|------|------|------|------|---------|
| GROUND LEVEL (m) | 2.29 | 2.69 | 3.23 | 4.13 | 5.11 | 5.89 | 5.46 | 5.20 | 5.20 | 5.21 | 5.00 | 4.32 | 3.73 | 3.42 | 2.89 | 3.48 | 3.98 | 4.03 |
| INVERT LEVELS (m) | 0.20 | 1.30 | 1.80 | 2.70 | 3.68 | 4.00 | 3.95 | 3.90 | 3.90 | 3.78 | 3.57 | 2.89 | 2.30 | 1.99 | 1.46 | 1.00 | 0.90 | 0.97 |
| PIPE DETAILS | 400 DI | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 1300 | 1325 | 1350 | 1375 | 1400 | 1425 | 1450 | 1475 | 1478.83 | 1500 | 1525 | 1550 | 1575 | 1600 | 1625 | 1650 | 1675 | 1688.83 |
| REMARKS | TYPE C BEDDING | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | 22.50° | | | | | | | | | | | | | | | | | |

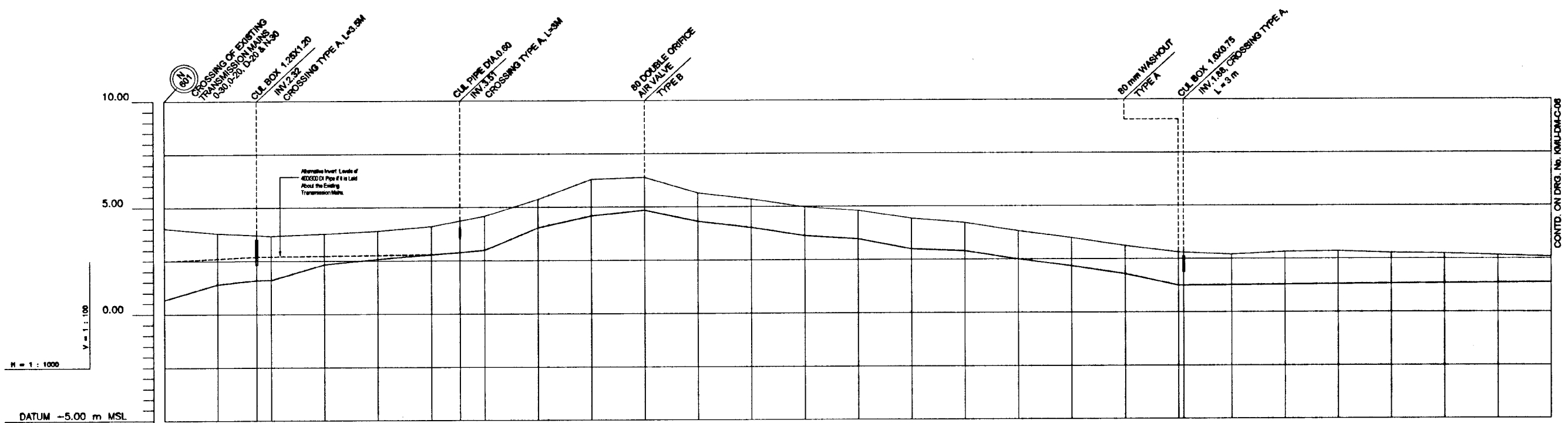
LONGITUDINAL SECTION



NOTE
1. FOR GENERAL NOTES, REFER DRG. NO. NMU/DM-C-1

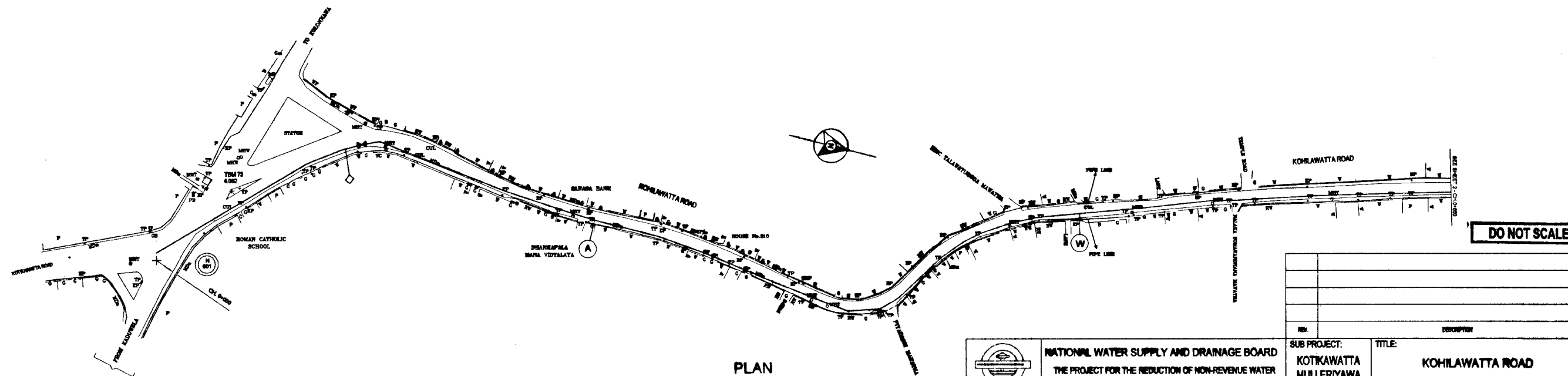
PLAN

| | | |
|---|---|-----------------------------------|
|  NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | TITLE: KOTIKAWATTA ROAD |
| | SHEET 3 OF 3 JAN 2001 | |
| DESIGNED: <i>[Signature]</i> | DRAWN: <i>[Signature]</i> | DATE: JAN 2001 |
| CHECKED: <i>[Signature]</i> | IN CHARGE: <i>[Signature]</i> | CONTRACT NO.: NRW/CW |
| BY TEAM LEADER: <i>[Signature]</i> | A.S.M. (P.W.) NAME: R. D. A. | SHEET NO.: KMU/DM/C-4 |
| TIME LIAISON: <i>[Signature]</i> | O.S.M. (P.W.) NAME: [Signature] | |
| JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIPPON KAIYO CONSULTANTS CO. LTD., TOKYO, JAPAN | | |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--------|------|-------|------|------|------|------|--------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|------|------|------|------|------|------|--|--|
| GROUND LEVEL (m) | 4.03 | 3.80 | 3.71 | 3.66 | 3.77 | 3.91 | 4.12 | 4.37 | 4.59 | 5.37 | 6.30 | 6.38 | 5.65 | 5.36 | 4.97 | 4.81 | 4.43 | 4.23 | 3.84 | 3.51 | 3.13 | 2.82 | 2.81 | 2.70 | 2.83 | 2.85 | 2.77 | 2.75 | 2.68 | 2.60 | | | |
| INVERT LEVELS (m) | 0.87 | 1.40 | 1.59 | 1.80 | 2.34 | 2.58 | 2.78 | 2.88 | 3.00 | 4.04 | 4.80 | 4.85 | 4.32 | 4.03 | 3.64 | 3.48 | 3.00 | 2.90 | 2.51 | 2.16 | 1.80 | 1.26 | 1.26 | 1.26 | 2.70 | 2.83 | 2.85 | 2.77 | 2.75 | 2.68 | 2.60 | | |
| PIPE DETAILS | 400 DI | | | | | | | | | | 900 DI | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 0 | 25 | 43.21 | 50 | 75 | 100 | 125 | 138.47 | 150 | 175 | 200 | 225 | 280 | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 450 | 475 | 477.47 | 500 | 525 | 550 | 575 | 600 | 625 | 650 | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | 4° | | | | | | | | | | 11.25° | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION

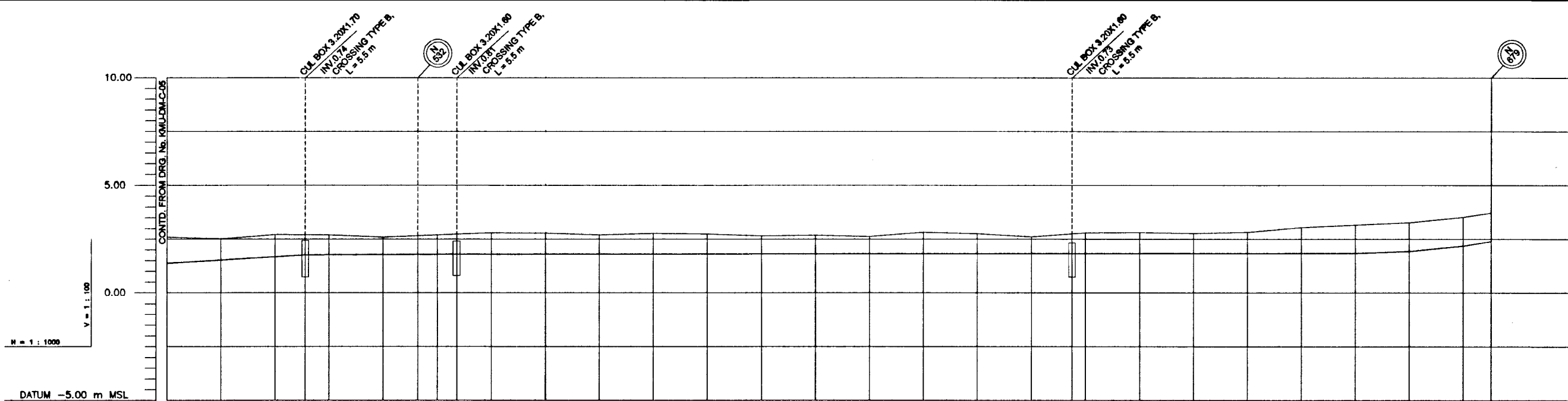


PLAN

DEPTH OF EXISTING TRANSMISSION MAINS AND OTHER UTILITIES SHALL BE DETERMINED AT SITE AND THE INVERT LEVELS OF 400 PIPE SHALL BE CORRECTED IF NECESSARY.

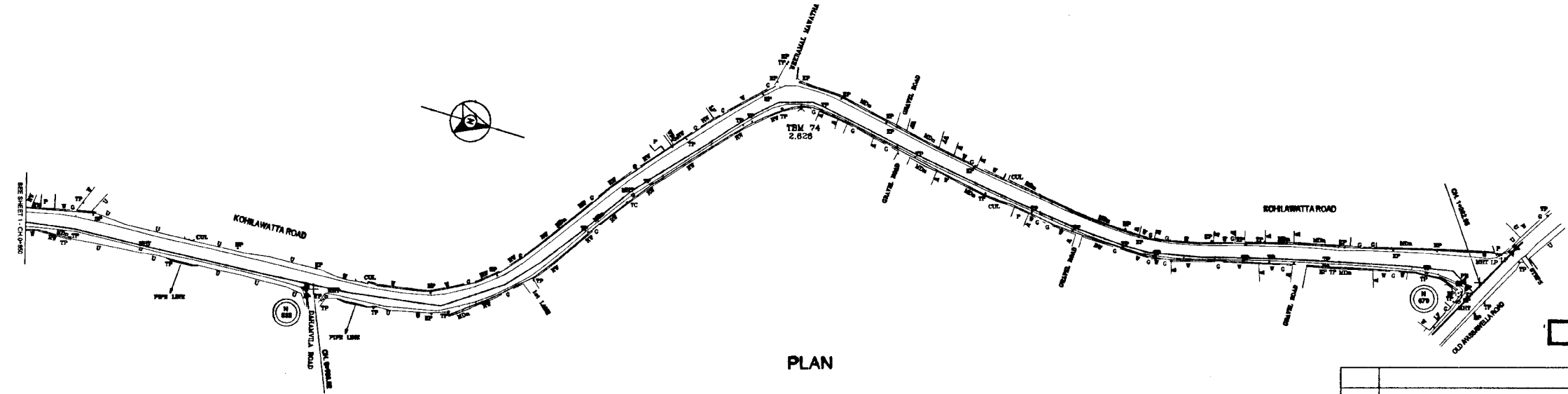
NOTE
1. FOR GENERAL NOTES, REFER DRG. No. KM/JDM/C-1

| | | | |
|--|---|--------------------------------------|----------------------------|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | SUB PROJECT: KOTKAWATTA MULLERIYAWA | | TITLE: KOHILAWATTA ROAD |
| | DESIGNED: <i>[Signature]</i> | DRAWN: <i>[Signature]</i> | DATE: JAN 2004 |
| | CHECKED: <i>[Signature]</i> | IN CHARGE: <i>[Signature]</i> | CONTRACT NO.: NRW / CW |
| | DR. YONG LEE SENG <i>[Signature]</i> | A.S.M (P&E) INCHARGE: S. D. S. S. | DATE: 10/1/04 |
| <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p> | | <p>DRG. NO.: KM/JDM/C-5</p> | |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|------|------|--------|------|------|--------|------|--------|------|------|------|------|------|------|------|------|------|------|------|---------|------|------|------|------|------|------|------|------|---------|--|--|
| GROUND LEVEL (m) | 2.60 | 2.51 | 2.71 | 2.70 | 2.70 | 2.60 | 2.60 | 2.70 | 2.74 | 2.80 | 2.78 | 2.70 | 2.77 | 2.74 | 2.66 | 2.66 | 2.63 | 2.63 | 2.76 | 2.61 | 2.75 | 2.80 | 2.81 | 2.77 | 2.82 | 3.05 | 3.17 | 3.28 | 3.52 | 3.73 | | |
| INVERT LEVELS (m) | 1.37 | | | 1.77 | 2.70 | | | 1.80 | 2.74 | 2.80 | | | | | | | | | | | 1.82 | 2.80 | | | | | 1.84 | 1.93 | 2.19 | 2.40 | | |
| PIPE DETAILS | 300 DI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 650 | 675 | 700 | 713.94 | 725 | 750 | 766.02 | 775 | 784.02 | 800 | 825 | 850 | 875 | 900 | 925 | 950 | 975 | 1000 | 1025 | 1050 | 1068.74 | 1075 | 1100 | 1125 | 1150 | 1175 | 1200 | 1225 | 1250 | 1262.85 | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | <div style="display: flex; justify-content: space-between;"> 22.54° 11.28° 22.50° 22.50° 12.78° 42° </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

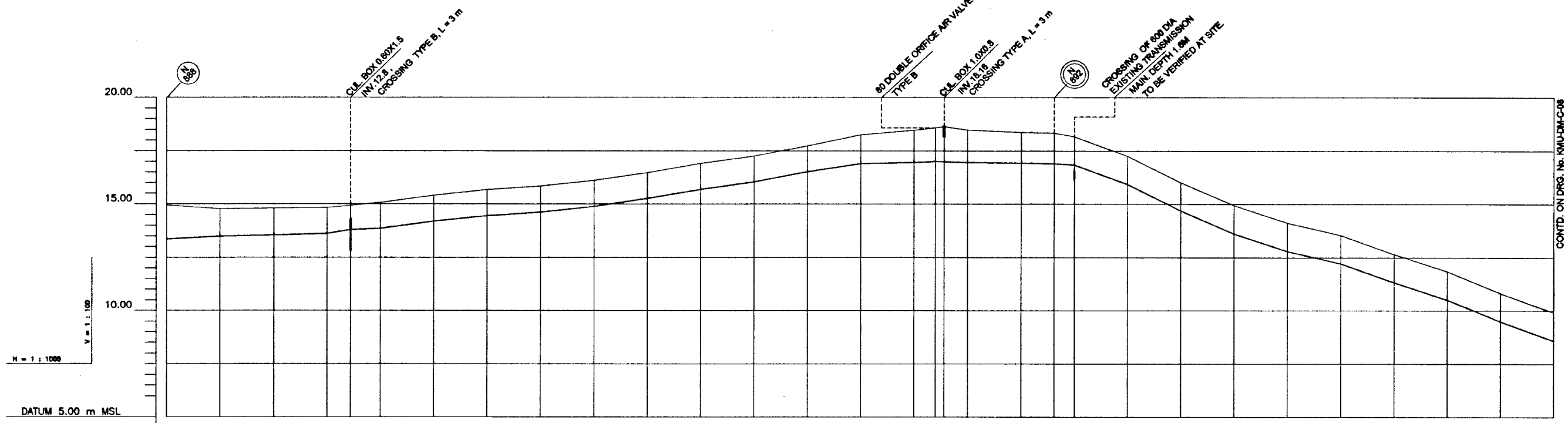
LONGITUDINAL SECTION



PLAN

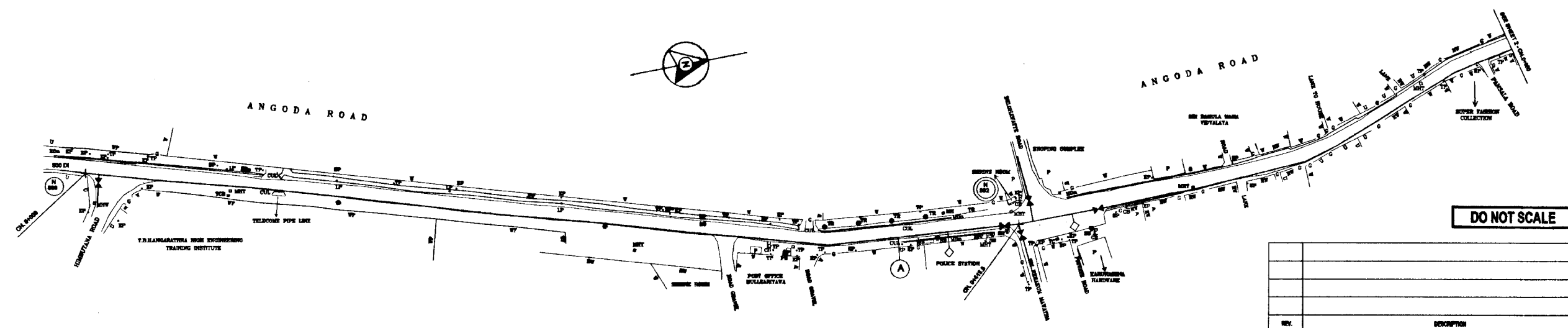
NOTE
1. FOR GENERAL NOTES, REFER DRG. No. KMLU-DM-C-1

| | | |
|--|--|--|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | <p>SUB PROJECT: KOTIKAWATTA MULLERIYAWA</p> | <p>TITLE: KOHILAWATTA ROAD</p> |
| | <p>SHEET 2 OF 2 JAN 2001</p> | |
| <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p> | <p>DESIGNED: <i>[Signature]</i></p> <p>CHECKED: <i>[Signature]</i></p> <p>BY: <i>[Signature]</i></p> <p>DATE: <i>[Signature]</i></p> | <p>DATE: <i>[Signature]</i></p> <p>CONTRACT NO: NRW / CW</p> <p>DRAWN BY: KMU / DM / C - 6</p> |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--|--|
| GROUND LEVEL (m) | 14.85 | 14.77 | 14.79 | 14.83 | 14.82 | 15.07 | 15.41 | 15.67 | 15.84 | 16.11 | 16.48 | 16.91 | 17.26 | 17.74 | 18.26 | 18.47 | 18.64 | 18.64 | 18.48 | 18.38 | 18.34 | 18.17 | 17.26 | 18.02 | 14.94 | 14.13 | 13.54 | 12.86 | 11.84 | 10.82 | 9.92 | | |
| INVERT LEVELS (m) | 13.38 | 13.46 | 13.35 | 13.61 | 13.80 | 13.85 | 14.19 | 14.45 | 14.62 | 14.89 | 15.28 | 15.89 | 16.04 | 16.62 | 16.90 | 16.96 | 17.00 | 18.64 | 18.96 | 18.93 | 16.90 | 16.84 | 15.93 | 14.89 | 13.61 | 12.80 | 12.21 | 11.33 | 10.51 | 9.48 | 8.59 | | |
| PIPE DETAILS | 300 DI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 0 | 25 | 50 | 75 | 88 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 364 | 364 | 375 | 400 | 415.5 | 425 | 450 | 475 | 500 | 525 | 550 | 575 | 600 | 625 | 650 | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION

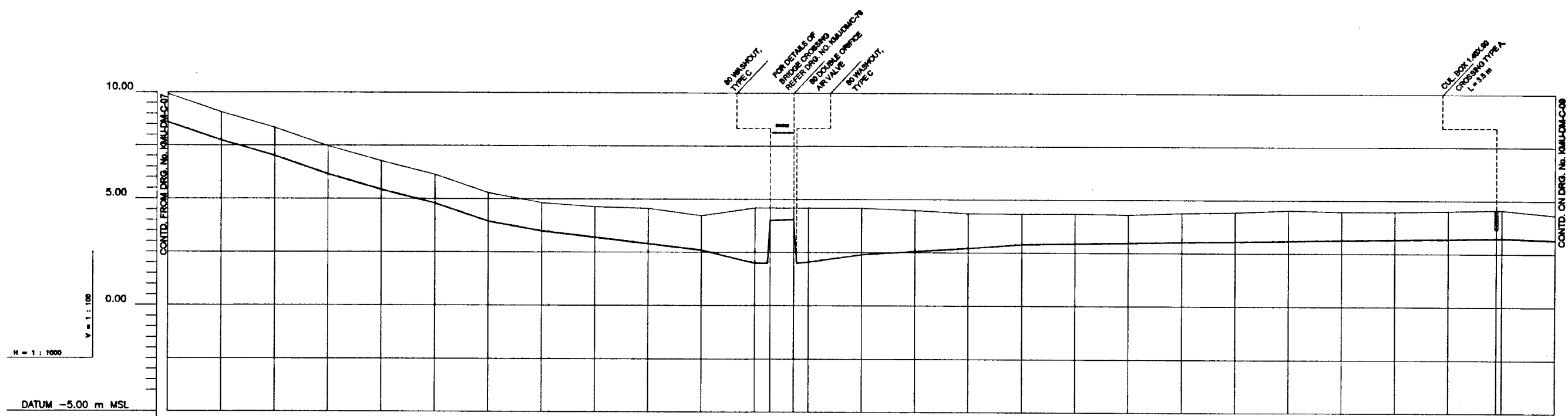


PLAN

NOTE
1 FOR GENERAL NOTES, REFER DRG. No. K/MU/DM/C-1

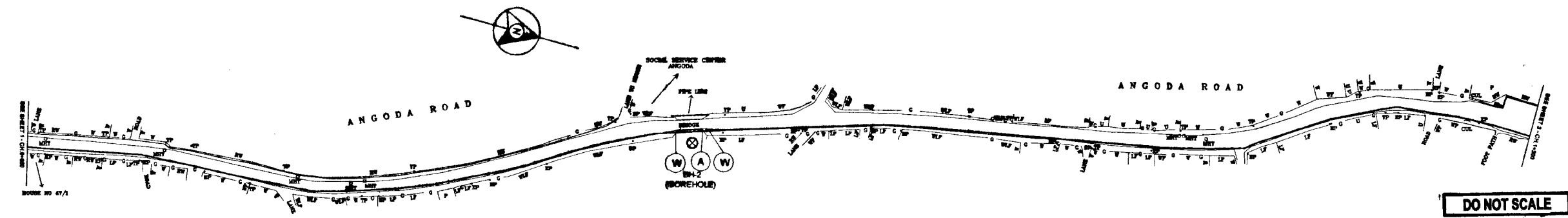
| | | |
|--|---|--|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | <p>SUB PROJECT: KOTIKAWATTA MULLERIYAWA</p> | <p>TITLE: ANGODA ROAD & SIRISUMANA MAWATHA</p> |
| | <p>DESIGNED: <i>[Signature]</i></p> | <p>DRAWN: <i>[Signature]</i></p> |
| <p>CHECKED: <i>[Signature]</i></p> | <p>IN CHARGE: <i>[Signature]</i></p> | <p>CONTRACT NO: NRW / CW</p> |
| <p>BY TEAM LEADER: <i>[Signature]</i></p> | <p>DATE: 2.3.2001</p> | <p>DWG. NO: KMU / DM / C - 7</p> |
| <p>TEAM LEADER: <i>[Signature]</i></p> | <p>DATE: <i>[Signature]</i></p> | |

CONTD. ON DRG. No. K/MU-DM-C-08



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|--|--|
| GROUND LEVEL (m) | 9.92 | 9.07 | 8.33 | 7.48 | 6.78 | 6.12 | 5.28 | 4.82 | 4.84 | 4.58 | 4.23 | 4.59 | 4.80 | 4.80 | 4.59 | 4.80 | 4.36 | 4.34 | 4.36 | 4.31 | 4.40 | 4.44 | 4.54 | 4.47 | 4.48 | 4.53 | 4.59 | 4.57 | 4.32 | | | |
| INVERT LEVELS (m) | 8.89 | 7.74 | 7.00 | 6.15 | 5.43 | 4.79 | 3.95 | 3.48 | 3.20 | 2.90 | 2.80 | 2.00 | 4.02 | 2.05 | 2.40 | 2.86 | 2.72 | 2.80 | 2.94 | 2.98 | 3.02 | 3.08 | 3.10 | 3.14 | 3.17 | 3.20 | 3.24 | 3.18 | | | | |
| PIPE DETAILS | 300 DI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 650 | 675 | 700 | 725 | 750 | 775 | 800 | 825 | 850 | 875 | 900 | 925 | 932.2 | 943.1 | 960 | 975 | 1000 | 1025 | 1050 | 1075 | 1100 | 1125 | 1150 | 1175 | 1200 | 1225 | 1250 | 1272.5 | 1275 | 1300 | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |


LONGITUDINAL SECTION

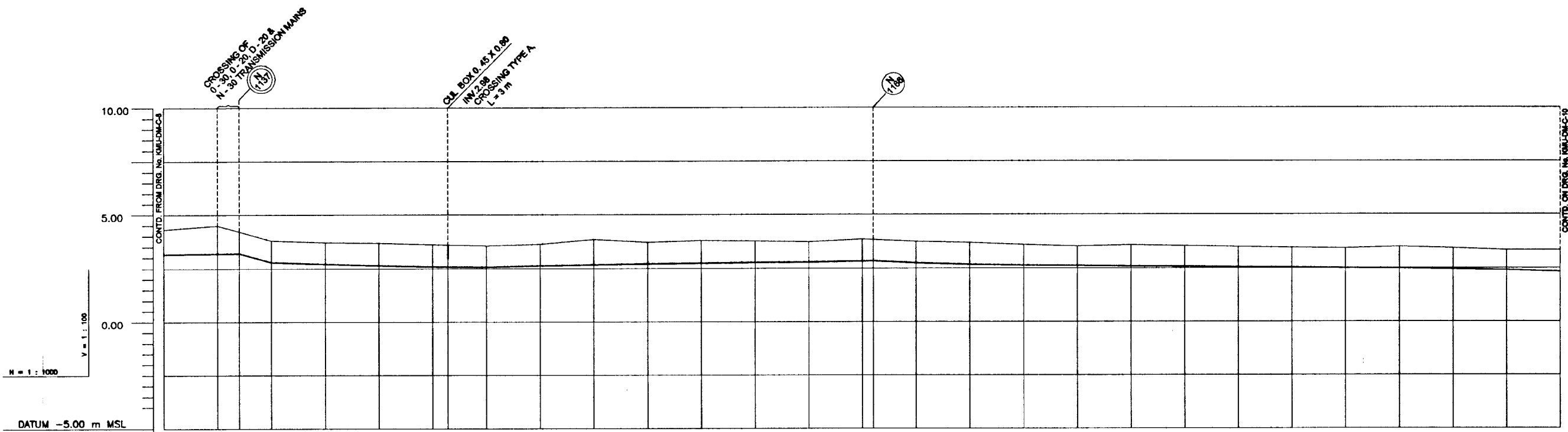


PLAN

NOTE
1. FOR GENERAL NOTES, REFER DRG. NO. KMJ/DM-C-1

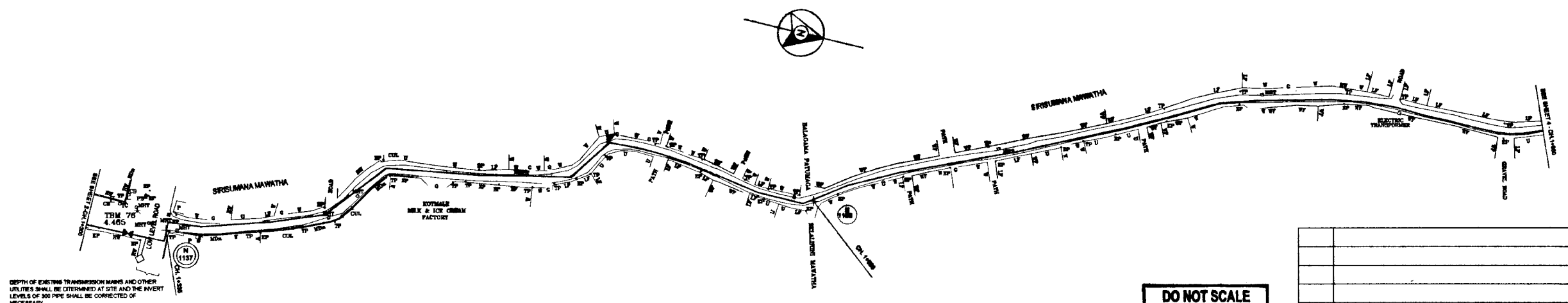
DO NOT SCALE

| | | |
|---|--|--|
|  NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | TITLE: ANGODA ROAD & SIRISUMANA MAWATHA |
| | ORDER: <i>Aspe</i> CHECKED: <i>Aspe</i> DT. TECH. INCHG: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i> | DRAWN: <i>[Signature]</i> IN CHARGE: <i>[Signature]</i> A.S.M (P) INCHG: <i>[Signature]</i> D.S.M (P) INCHG: <i>[Signature]</i> |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---------------------|------|------|------|------|------|------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| GROUND LEVEL (m) | 4.32 | 4.48 | 4.21 | 3.79 | 3.70 | 3.68 | 3.81 | 3.59 | 3.56 | 3.62 | 3.85 | 3.83 | 3.74 | 3.68 | 3.57 | 3.52 | 3.57 | 3.52 | 3.48 | 3.43 | 3.42 | 3.48 | 3.41 | 3.33 | 3.32 | | | |
| INVERT LEVELS (m) | 3.16 | 3.18 | 3.20 | 2.78 | 2.70 | 2.64 | 2.58 | 2.58 | 2.82 | 2.86 | 2.71 | 2.74 | 2.76 | 2.78 | 2.83 | 2.74 | 2.67 | 2.62 | 2.60 | 2.58 | 2.56 | 2.54 | 2.52 | 2.48 | 2.44 | 2.40 | 2.32 | |
| PIPE DETAILS | 110 PVC (TYPE 1000) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 1300 | 1325 | 1335 | 1350 | 1375 | 1400 | 1425 | 1432.11 | 1460 | 1475 | 1600 | 1608 | 1650 | 1675 | 1700 | 1725 | 1750 | 1775 | 1800 | 1825 | 1850 | 1875 | 1900 | 1925 | 1950 | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION

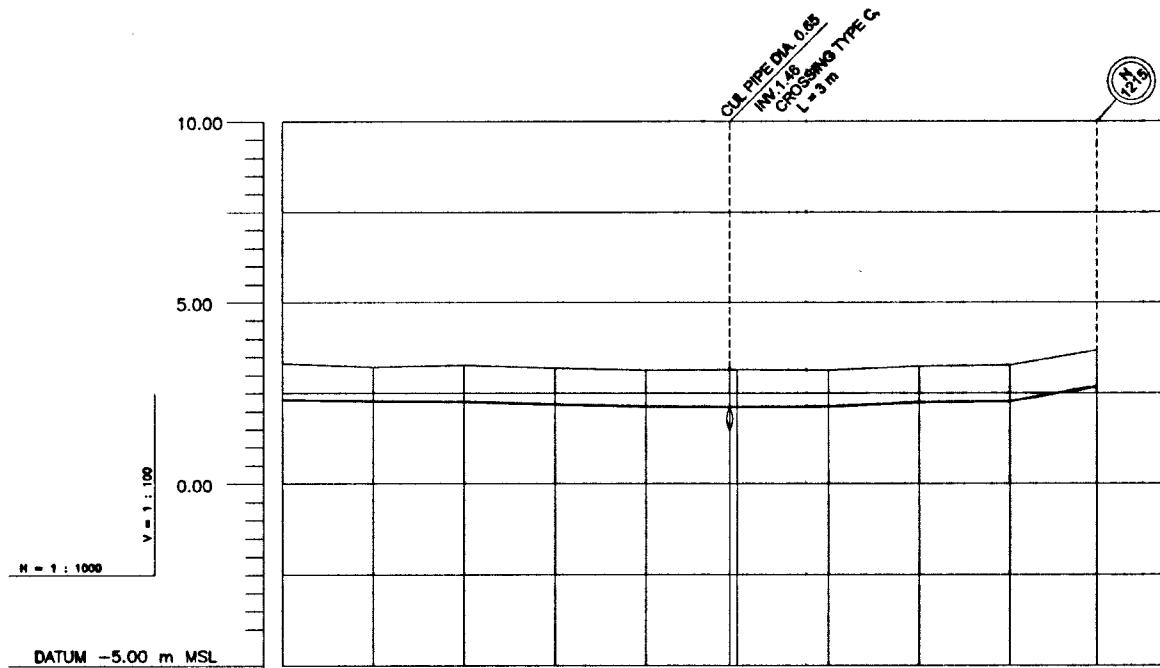


PLAN

DEPTH OF EXISTING TRANSMISSION MAINS AND OTHER UTILITIES SHALL BE DETERMINED AT SITE AND THE INVERT LEVELS OF 300 PIPE SHALL BE CORRECTED IF NECESSARY.

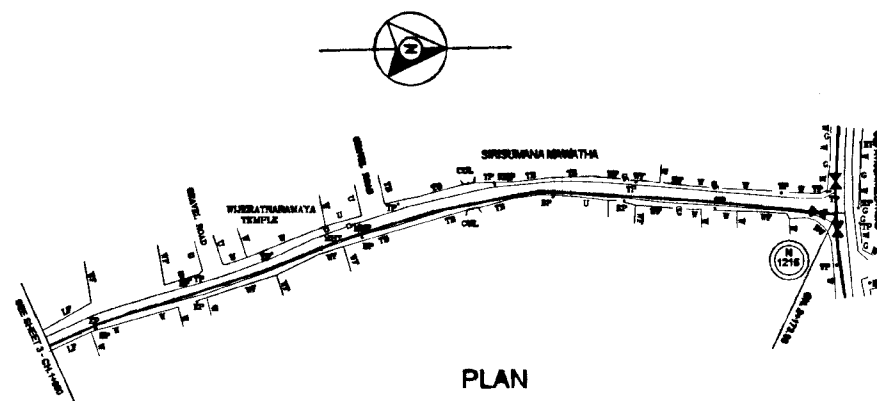
NOTE
1. FOR GENERAL NOTES REFER TO THE DRAWING.

| | | |
|--|---|--|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | <p>SUB PROJECT: KOTIKAWATTA MULLERIYAWA</p> | <p>TITLE: ANGODA ROAD & SIRISUMANA MAWATHA</p> |
| | <p>SEARCHED: <i>wasir</i></p> | <p>DATE: <i>Jan 2001</i></p> |
| <p>CHECKED: <i>wasir</i></p> | <p>NO. OF SHEETS: <i>2</i></p> | <p>CONTRACT NO.: NRW / CW</p> |
| <p>BY: <i>Alfina</i></p> | <p>DATE: <i>8.12.2000</i></p> | <p>DRAWING NO.: KMJ/DM/C-9</p> |
| <p>DESIGNED: <i>Alfina</i></p> | <p>DATE: <i>20</i></p> | |




| | | | | | | | | | | | |
|----------------------|-------------------------|------|------|------|------|---------|------|------|------|------|---------|
| GROUND LEVEL (m) | 3.32 | 3.22 | 3.27 | 3.19 | 3.14 | 3.16 | 3.15 | 3.14 | 3.25 | 3.27 | 3.69 |
| INVERT LEVELS (m) | 2.32 | 2.28 | 2.28 | 2.19 | 2.14 | 2.12 | 2.14 | 2.25 | 2.27 | 2.69 | |
| PIPE DETAILS | ← 110 PVC (TYPE 1000) → | | | | | | | | | | |
| DISTANCE (m) | 1950 | 1975 | 2000 | 2025 | 2050 | 2072.53 | 2075 | 2100 | 2125 | 2150 | 2173.98 |
| REMARKS | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | |

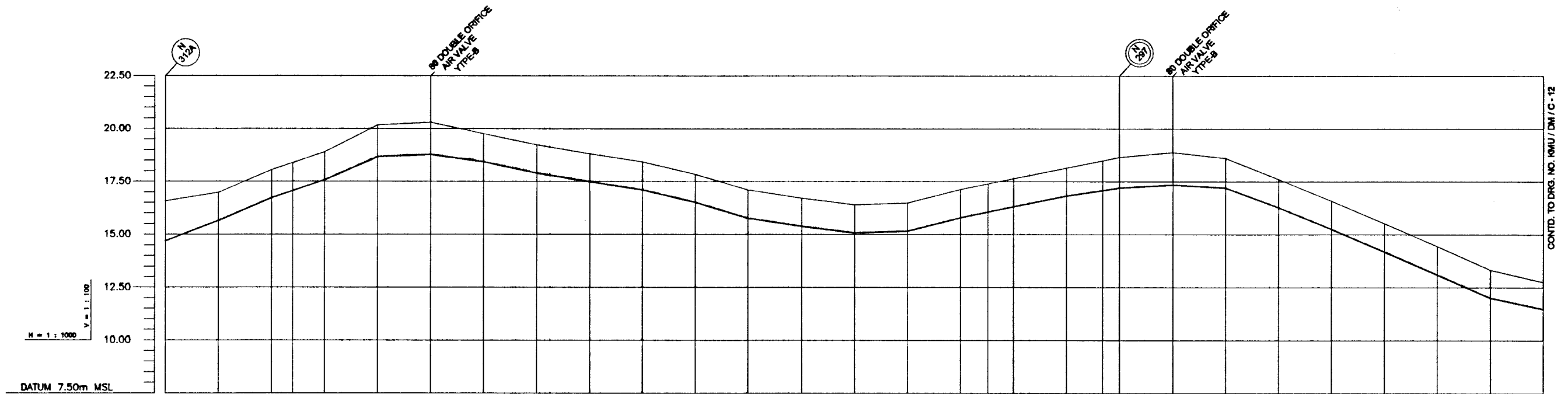
LONGITUDINAL SECTION



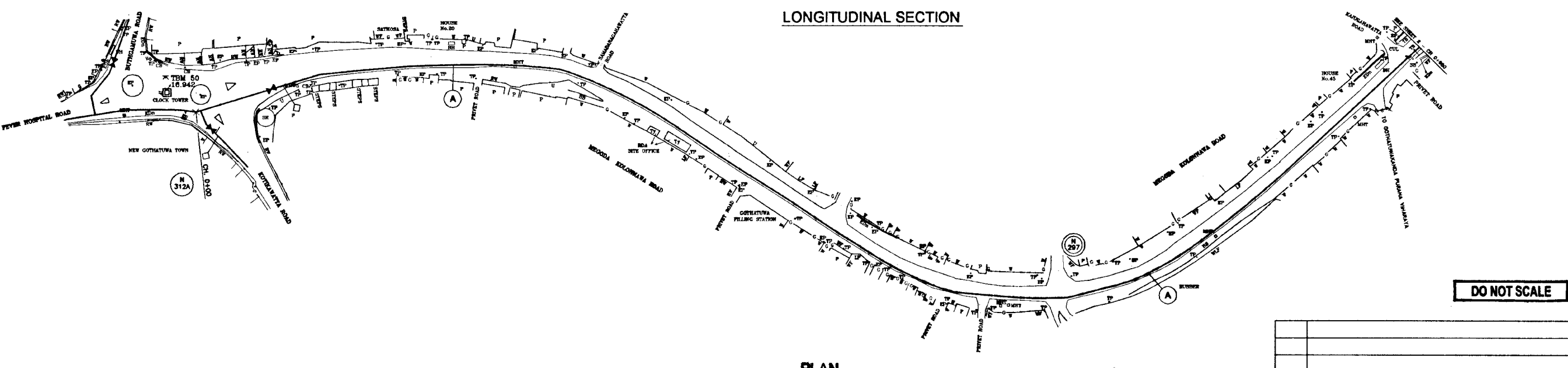
PLAN

DO NOT SCALE

| | | |
|---|---|---|
|  NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | TITLE: ANGODA ROAD IN SIRISUMANA MAWATHA |
| | JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIPPON KAIYO CONSULTANTS CO. LTD., TOKYO, JAPAN | DATE: JUN 2009 PROJECT NO: NRW / CW DRAWING NO: KMJ / DM / C - 10 |



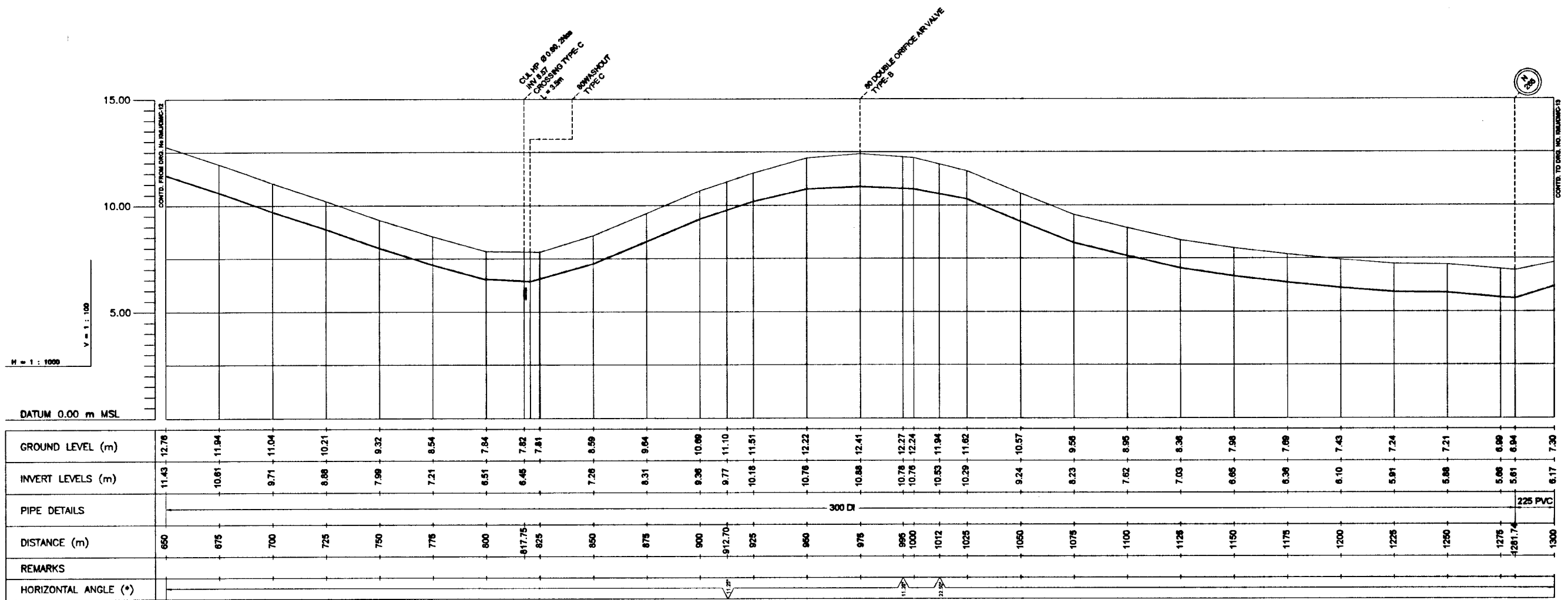
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| GROUND LEVEL (m) | 14.70 | 16.57 | 16.98 | 18.05 | 16.57 | 18.90 | 20.17 | 20.30 | 19.76 | 19.23 | 18.82 | 18.43 | 17.84 | 17.10 | 16.40 | 16.49 | 17.13 | 17.40 | 17.65 | 18.15 | 18.50 | 18.85 | 18.88 | 18.82 | 17.81 | 16.59 | 15.53 | 14.45 | 13.34 | 12.76 | | |
| INVERT LEVELS (m) | 14.70 | 15.65 | 16.72 | 14.70 | 17.57 | 18.68 | 18.77 | 18.43 | 17.90 | 17.49 | 17.10 | 16.51 | 15.77 | 15.38 | 15.07 | 15.16 | 15.80 | 16.07 | 16.32 | 16.82 | 17.08 | 17.20 | 17.35 | 17.20 | 16.28 | 15.26 | 14.20 | 13.12 | 12.01 | 11.43 | | |
| PIPE DETAILS | 300 CI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 0 | 25 | 50 | 60 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 375 | 400 | 425 | 425 | 450 | 475 | 500 | 525 | 550 | 575 | 600 | 625 | 650 | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



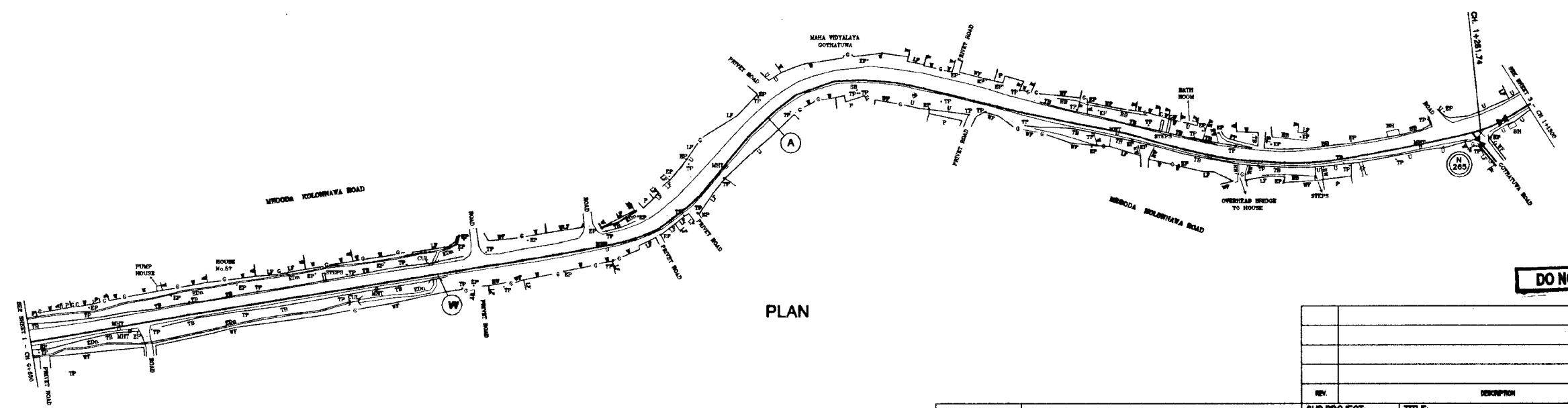
NOTE
1. FOR GENERAL NOTES, REFER DRG. NO. NAW/DM/C-1

| | | | | |
|---|---|-------------------------------|--|-----------------------------|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p> | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | | TITLE: MEGODA KOLONNAWA ROAD & KATUPELELLA ROAD | |
| | DESIGNED: <i>[Signature]</i> | DRAWN: <i>[Signature]</i> | DATE: JAN 2001 | PROJECT NO: NRW / CW |
| | CHECKED: <i>[Signature]</i> | IN CHARGE: <i>[Signature]</i> | SCALE: 1:1000 | DATE: JAN 2001 |
| | BY: <i>[Signature]</i> | DATE: 2001 | SCALE: 1:1000 | DATE: JAN 2001 |

CONTD. TO DRG. NO. KMW / DM / C - 12



LONGITUDINAL SECTION

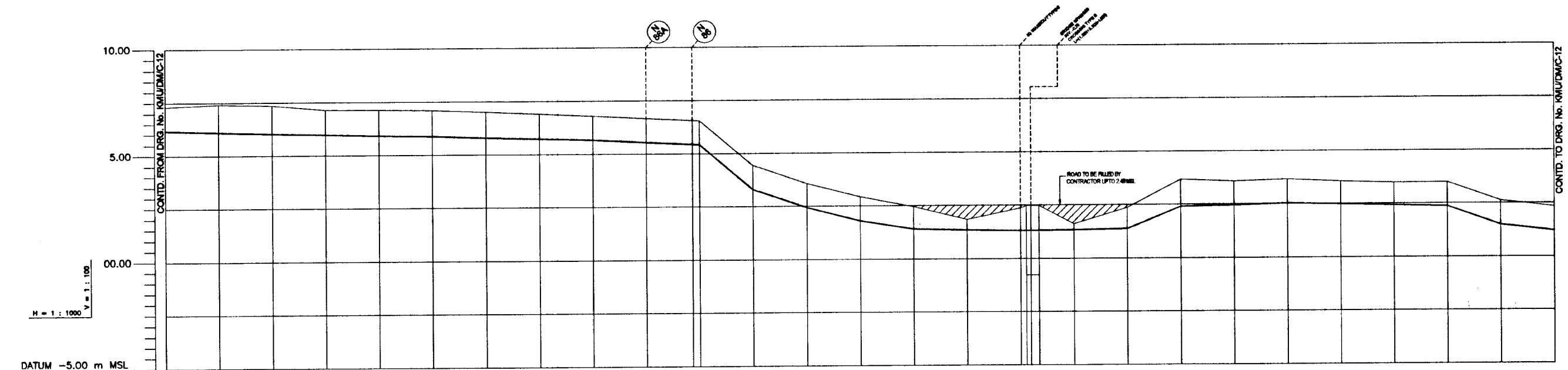


PLAN

DO NOT SCALE

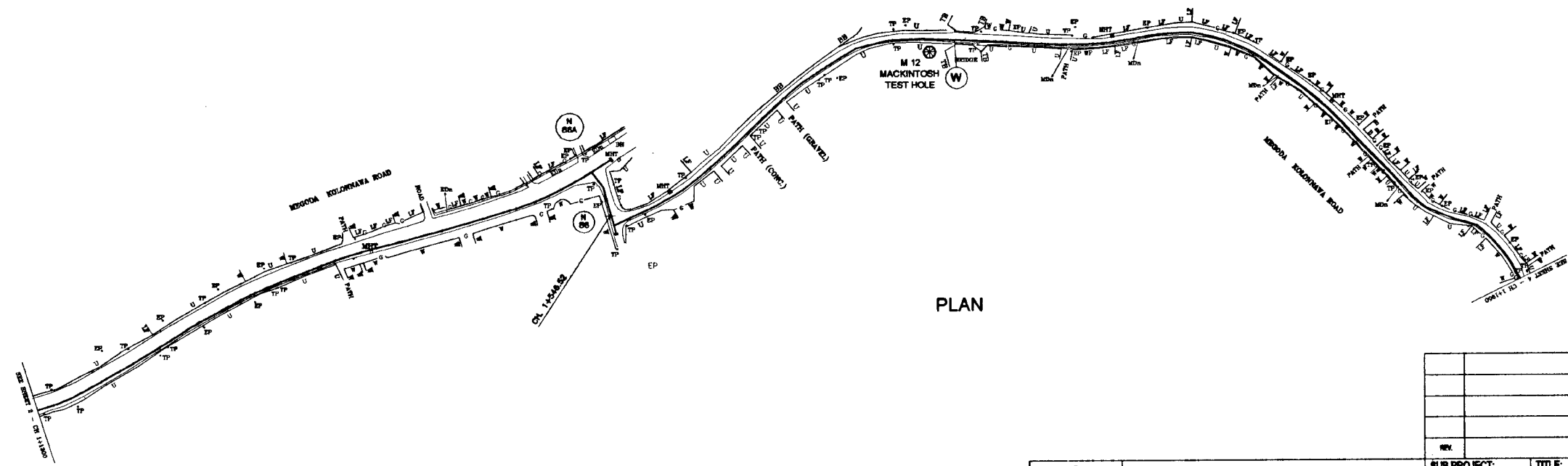
NOTE
1. FOR GENERAL NOTES, REFER DRG. No. KMU/DM/C-1

| | | |
|--|---|--|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | <p>SUB PROJECT: KOTIKAWATTA MULLERIYAWA</p> | <p>TITLE: MEGODA KOLONNAWA ROAD & KATUPELELLA ROAD</p> |
| | <p>DESIGNED: <i>[Signature]</i> DATE: JAN 2001</p> <p>CHECKED: <i>[Signature]</i> COMMENTS: NRW / CW</p> <p>BY: <i>[Signature]</i> A.R.M. (P.W. INCH) DATE: 12/12/00</p> <p>TEAM LEADER: <i>[Signature]</i> D.R.M. (P.W. INCH) DATE: 12/12/00</p> | |
| <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p> | | <p>PROJECT NO. KMU/DM/C-12</p> |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|------|------|------|------|------|------|------|------|---------|------|------|------|------|------|------|---------------------|---------|---------|------|------|------|------|------|------|------|------|------|------|--|--|
| GROUND LEVEL (m) | 7.30 | 7.41 | 7.38 | 7.14 | 7.13 | 7.11 | 7.01 | 6.90 | 6.80 | 6.67 | 6.57 | 6.56 | 4.43 | 3.56 | 2.93 | 2.45 | 1.84 | 2.36 | 2.48 | 1.62 | 2.36 | 3.68 | 3.56 | 3.68 | 3.54 | 3.46 | 3.50 | 2.62 | 2.33 | | | |
| INVERT LEVELS (m) | 6.17 | 6.10 | 6.04 | 5.88 | 5.82 | 5.86 | 5.80 | 5.74 | 5.67 | 5.54 | 5.44 | 5.43 | 3.30 | 2.43 | 1.80 | 1.40 | 1.35 | 1.30 | 2.48 | 1.33 | 1.37 | 2.40 | 2.45 | 2.53 | 2.48 | 2.42 | 2.37 | 1.49 | 1.20 | | | |
| PIPE DETAILS | | | | | | | | | | | | | | | | | | 225 PVC (TYPE 1000) | | | | | | | | | | | | | | |
| DISTANCE (m) | 1300 | 1325 | 1350 | 1375 | 1400 | 1425 | 1450 | 1475 | 1500 | 1525 | 1548.52 | 1550 | 1575 | 1600 | 1625 | 1650 | 1675 | 1700 | 1704.74 | 1708.53 | 1725 | 1750 | 1775 | 1800 | 1825 | 1850 | 1875 | 1900 | 1925 | 1950 | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |


LONGITUDINAL SECTION

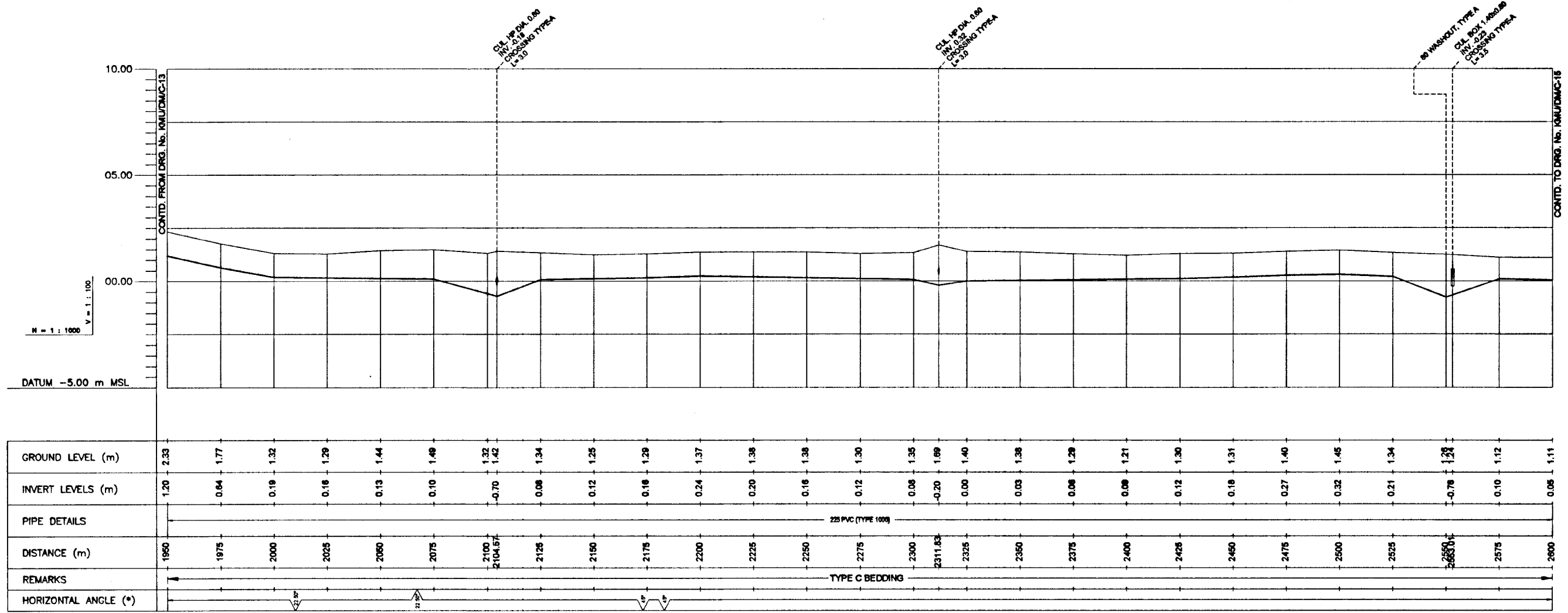


PLAN

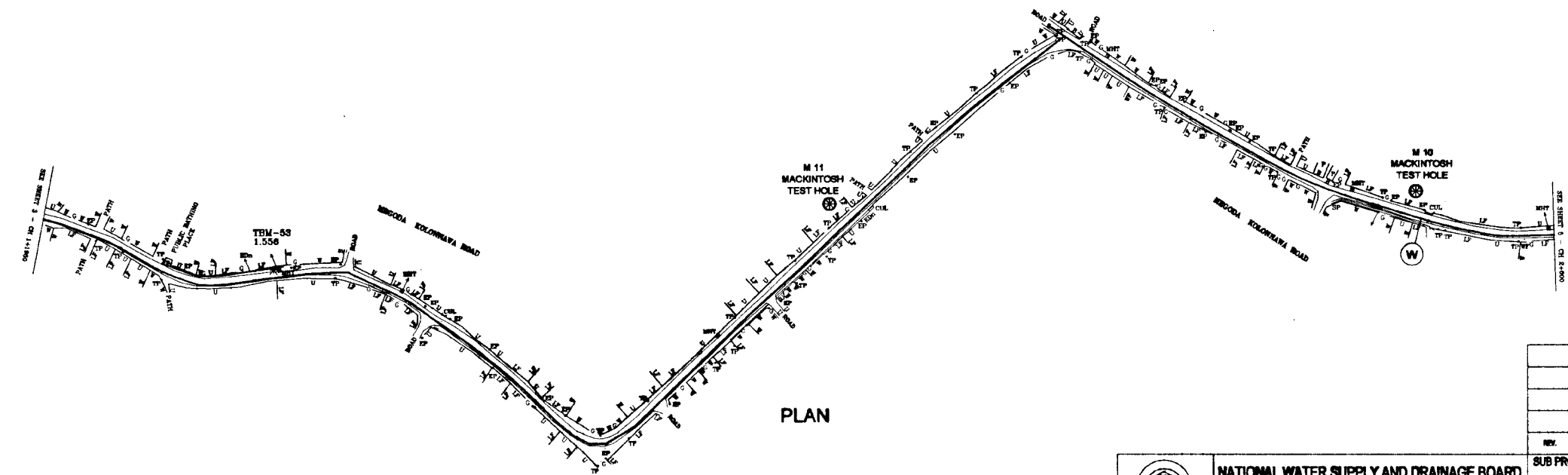
DO NOT SCALE

NOTE
1. FOR GENERAL NOTES, REFER DRG. NO. KMJ/DM/C-1

| | | | |
|---|---|--|---|
|  NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | TITLE: MEGODA KOLONNAWA ROAD & KATUPELELLA ROAD | |
| | DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> DR. YASUHIRO <i>[Signature]</i> TOSHIO <i>[Signature]</i> | DRAWN: <i>[Signature]</i> PU. SUDARATNE <i>[Signature]</i> A.S.H. P.D. SENEVIRATNE <i>[Signature]</i> R.D.A. <i>[Signature]</i> S.A.H. P.D. SENEVIRATNE <i>[Signature]</i> | DATE: JAN 2001 ORGANIZATION: NRW/CW DRAWING NO.: KMJ/DM/C-13 |
| | JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIKON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN | | |
| | (Empty space for additional notes or signatures) | | |




LONGITUDINAL SECTION

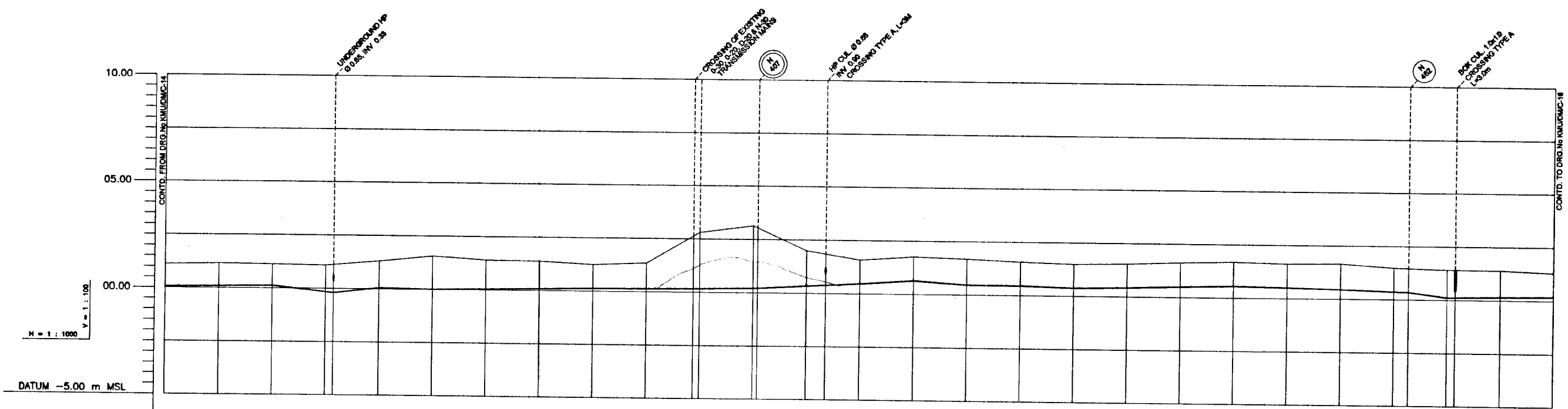


PLAN

NOTE
1. FOR GENERAL NOTES, REFER DRG. NO. NML/DM/C-1

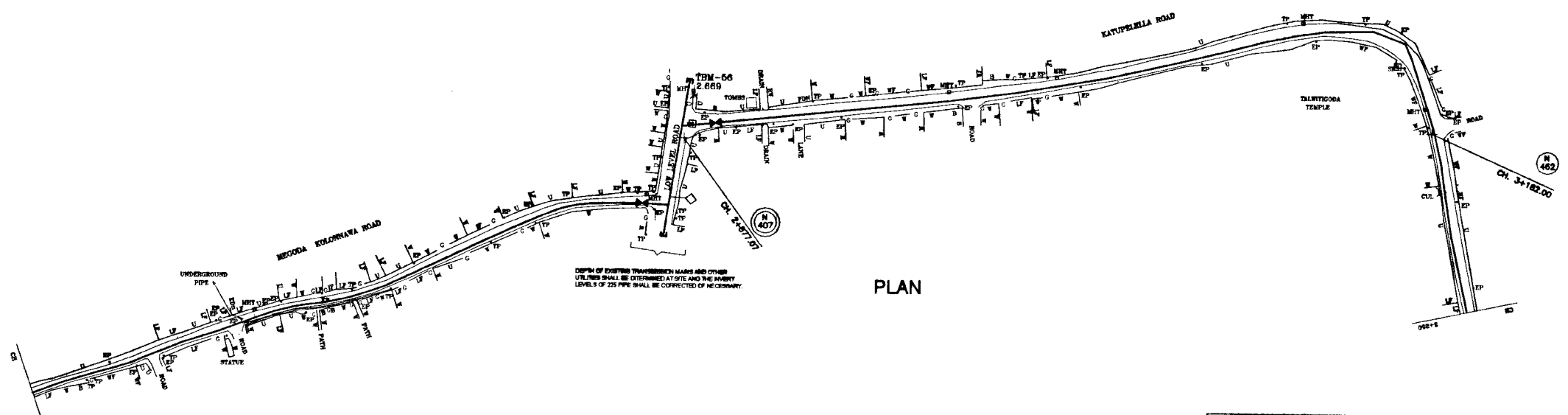
DO NOT SCALE

| | | |
|---|--|---|
|  NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: KOTKAWATTA MULLERIYAWA | TITLE: MEGODA KOLONNAROAD & KATUPELELLA ROAD |
| | DESIGNED: <i>[Signature]</i> | DRAWN: <i>[Signature]</i> |
| CHECKED: <i>[Signature]</i> | APPROVED BY: <i>[Signature]</i> | ORGANIZATION: NRW/CW |
| BY: <i>[Signature]</i> TITLE: <i>[Signature]</i> | A.S.P. PERMITTED: <i>[Signature]</i> | SHEET NO.: KMU/DM/C-14 |
| JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIKON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN | O.S.P. PERMITTED: <i>[Signature]</i> | |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---------------------|-------|-------|-------|---------|-------|------|------|------|------|------|------|------|---------|------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|------|--|
| GROUND LEVEL (m) | 1.11 | 1.15 | 1.12 | 1.10 | 1.13 | 1.30 | 1.57 | 1.40 | 1.37 | 1.25 | 1.35 | 2.82 | 3.15 | 3.05 | 2.00 | 1.86 | 1.50 | 1.76 | 1.68 | 1.57 | 1.51 | 1.54 | 1.82 | 1.88 | 1.83 | 1.85 | 1.49 | 1.47 | 1.42 | 1.42 | 1.41 | 1.31 | |
| INVERT LEVELS (m) | -0.05 | -0.08 | -0.11 | -0.20 | -0.13 | -0.04 | 0.00 | 0.04 | 0.08 | 0.12 | 0.14 | 0.16 | 0.20 | 0.20 | 0.37 | 0.46 | 0.63 | 0.46 | 0.44 | 0.38 | 0.41 | 0.49 | 0.56 | 0.50 | 0.45 | 0.36 | 0.34 | 0.11 | 0.15 | 0.18 | | | |
| PIPE DETAILS | 225 PVC (TYPE 1000) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 2800 | 2825 | 2850 | 2875 | 2876.72 | 2700 | 2725 | 2750 | 2775 | 2800 | 2825 | 2850 | 2875 | 2877.07 | 2900 | 2908.94 | 2925 | 2950 | 2975 | 3000 | 3025 | 3050 | 3075 | 3100 | 3125 | 3150 | 3175 | 3182 | 3200 | 3203.85 | 3225 | 3250 | |
| REMARKS | TYPE C BEDDING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |


LONGITUDINAL SECTION

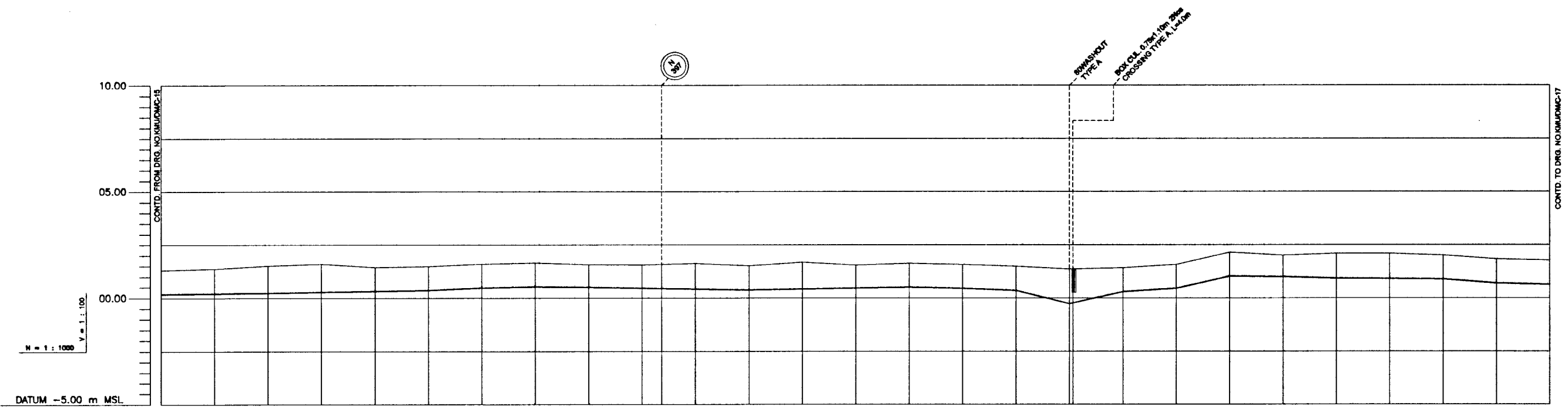


PLAN

DO NOT SCALE

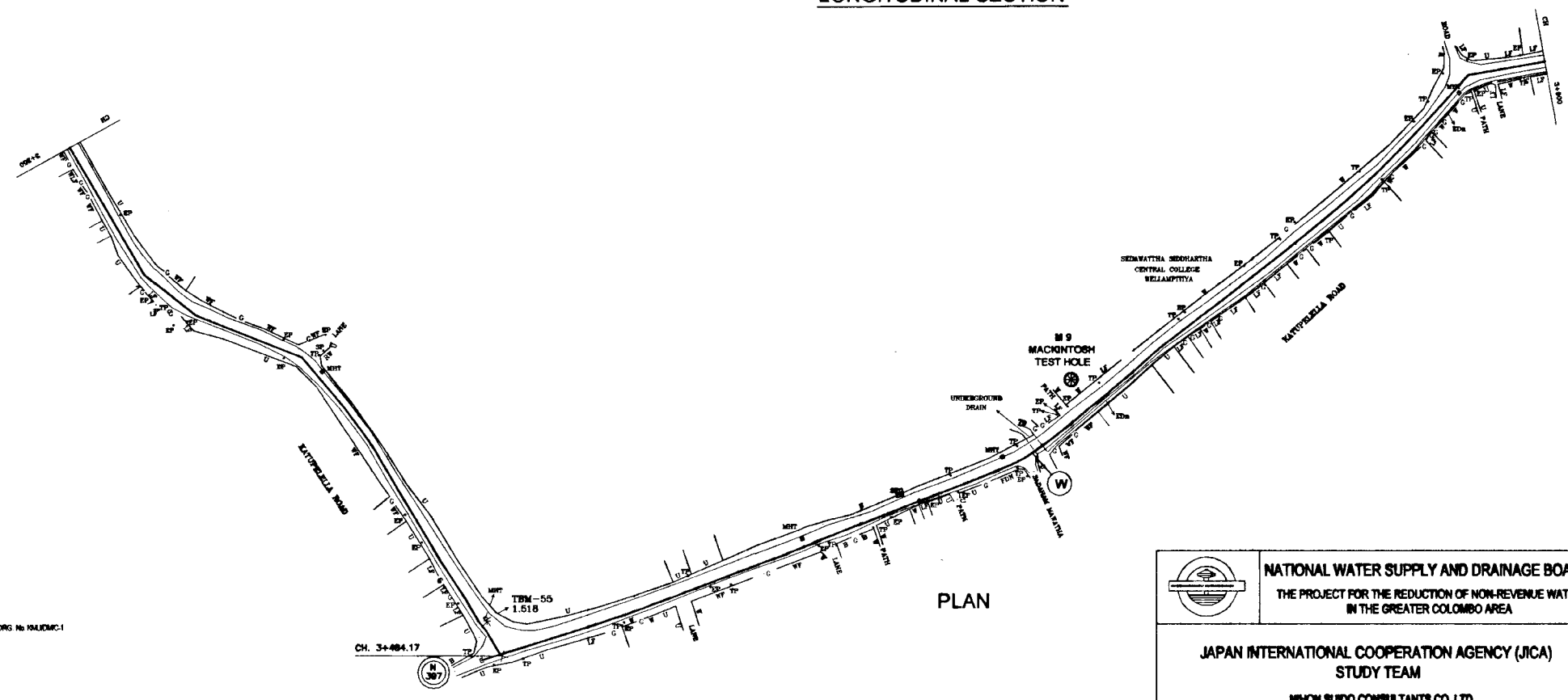
NOTE
1 FOR GENERAL NOTES, REFER DRG. NO. KH/UDMC-1

| | | |
|---|--|---|
|  NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | TITLE: MEGODA KOLONNAWA ROAD & KATUPELELLA ROAD |
| | DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> DR. YEAR: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i> | DATE: <i>[Signature]</i> IN CHARGE: <i>[Signature]</i> A.S.M. (P) INCH: <i>[Signature]</i> O.A.M. (P) INCH: <i>[Signature]</i> |
| JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIKON SUJIDO CONSULTANTS CO. LTD., TOKYO, JAPAN | | |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---------------------|------|------|------|------|------|------|------|------|------|---------|------|------|------|------|------|------|------|------|---------|------|------|------|------|------|------|------|------|------|--|--|--|
| GROUND LEVEL (m) | 1.31 | 1.37 | 1.51 | 1.61 | 1.45 | 1.49 | 1.61 | 1.66 | 1.57 | 1.56 | 1.59 | 1.63 | 1.51 | 1.69 | 1.55 | 1.63 | 1.57 | 1.48 | 1.36 | 1.38 | 1.42 | 1.57 | 2.16 | 2.01 | 2.09 | 2.10 | 2.01 | 1.82 | 1.76 | | | |
| INVERT LEVELS (m) | 0.18 | 0.21 | 0.24 | 0.28 | 0.32 | 0.38 | 0.48 | 0.53 | 0.50 | 0.48 | 0.44 | 0.41 | 0.38 | 0.42 | 0.46 | 0.50 | 0.44 | 0.35 | 0.27 | 0.29 | 0.44 | 1.03 | 1.00 | 0.96 | 0.92 | 0.88 | 0.89 | 0.83 | | | | |
| PIPE DETAILS | 225 PVC (TYPE 1000) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 3250 | 3275 | 3300 | 3325 | 3350 | 3375 | 3400 | 3425 | 3450 | 3475 | 3494.17 | 3500 | 3525 | 3550 | 3575 | 3600 | 3625 | 3650 | 3675 | 3678.65 | 3700 | 3725 | 3750 | 3775 | 3800 | 3825 | 3850 | 3875 | 3900 | | | |
| REMARKS | TYPE C BEDDING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION

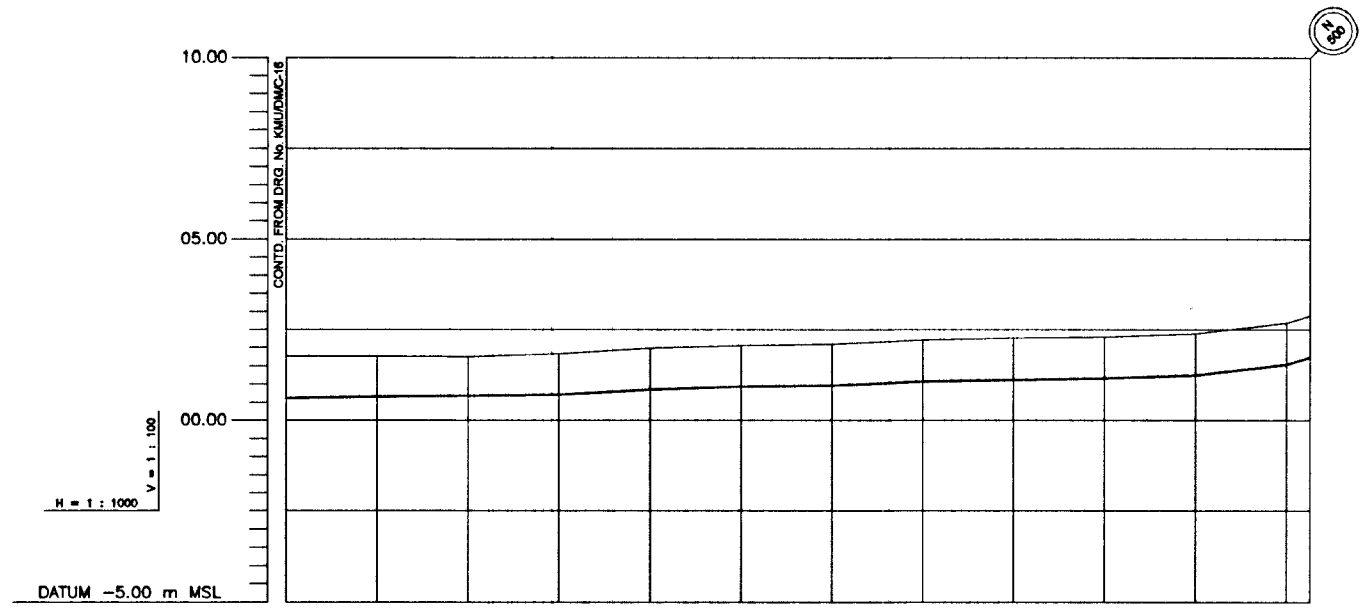


PLAN

NOTE
1 FOR GENERAL NOTES, REFER DRG. NO. KM/DM/C-1

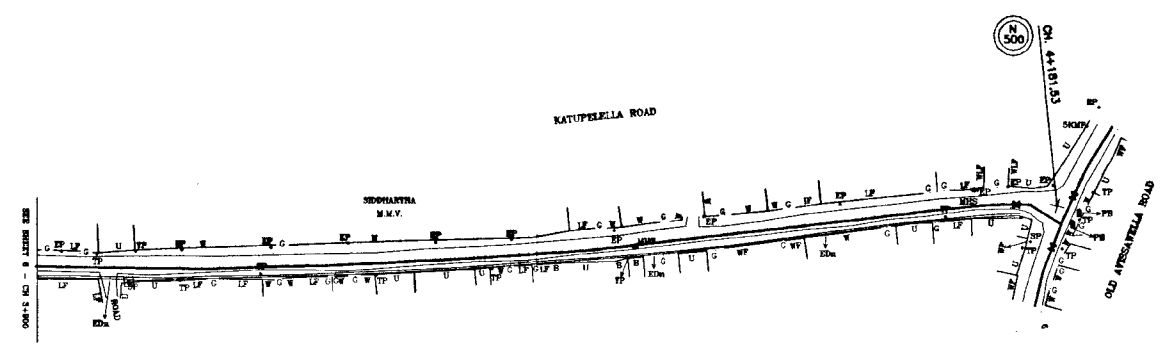
DO NOT SCALE

| | | |
|--|--|---|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | <p>SUB PROJECT: KOTIKAWATTA MULLERIYAWA</p> | <p>TITLE: MEGODA KOLONNAWA ROAD & KATUPELELLA ROAD</p> |
| | <p>DESIGNED: <i>[Signature]</i></p> <p>CHECKED: <i>[Signature]</i></p> <p>DR. TIRTHA LAKSHMI</p> | <p>DATE: <i>[Signature]</i></p> <p>PM (PROVIDER): <i>[Signature]</i></p> <p>SCALE: S. D. A. 2</p> |
| <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p> | | |



| | | | | | | | | | | | | | |
|----------------------|---------------------|------|------|------|------|------|------|------|------|------|------|------|---------|
| GROUND LEVEL (m) | 1.76 | 1.76 | 1.75 | 1.64 | 1.99 | 2.06 | 2.11 | 2.22 | 2.28 | 2.30 | 2.39 | 2.69 | 2.88 |
| INVERT LEVELS (m) | 0.63 | 0.66 | 0.69 | 0.71 | 0.66 | 0.93 | 0.98 | 1.09 | 1.13 | 1.17 | 1.26 | 1.58 | 1.75 |
| PIPE DETAILS | 225 PVC (TYPE 1000) | | | | | | | | | | | | |
| DISTANCE (m) | 3900 | 3925 | 3950 | 3975 | 4000 | 4025 | 4050 | 4075 | 4100 | 4125 | 4150 | 4175 | 4181.53 |
| REMARKS | ← TYPE C BEDDING → | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | ↘ | | | | | | | | | | | | |


LONGITUDINAL SECTION

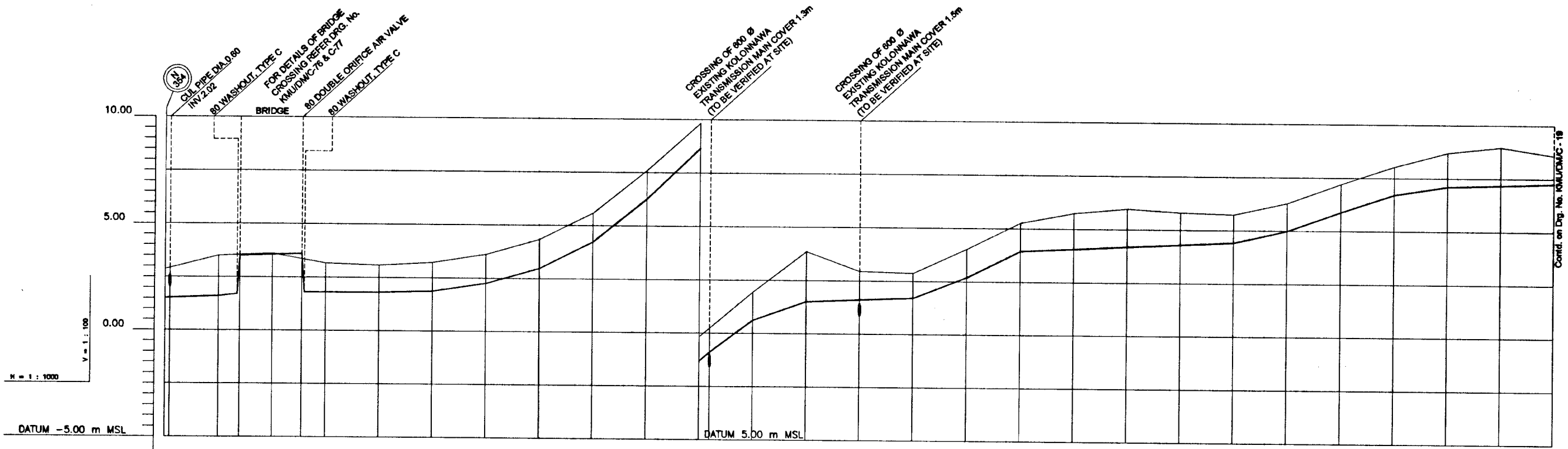


PLAN

NOTE
1. FOR GENERAL NOTES, REFER DRG. No. KM/JOMC-1

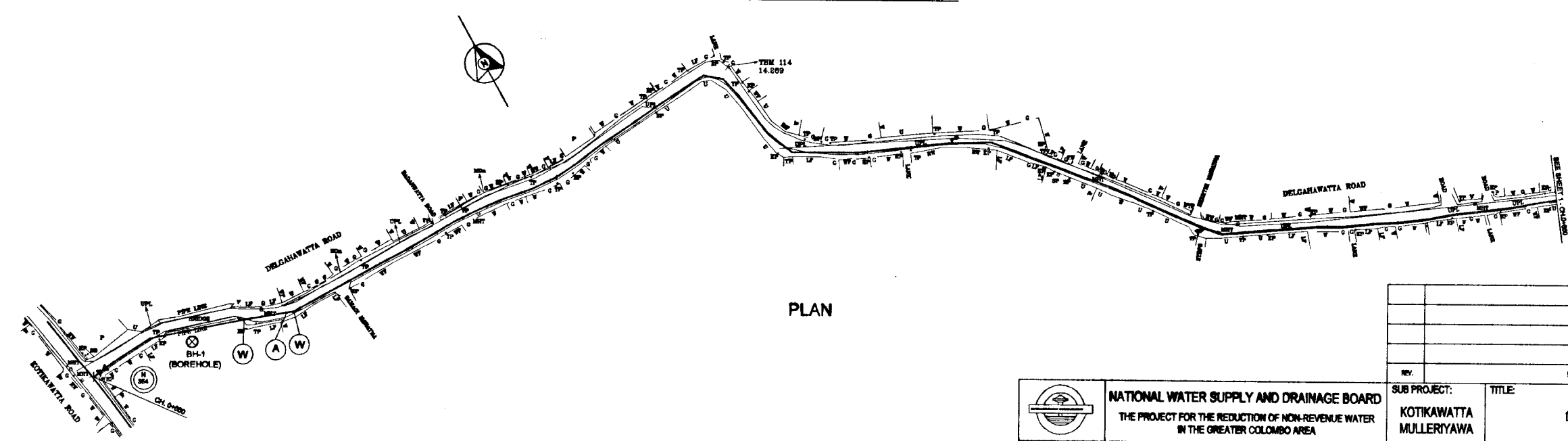
DO NOT SCALE

| | | |
|---|---|--|
|  NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: KOTKAWATTA MULLERIYAWA | TITLE: MEGODA KOLONNAWA ROAD AND KATUPELELLA ROAD |
| | JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIKON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN | DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> DATE: JAN 2001 |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--------|------|-------|------|-------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| GROUND LEVEL (m) | 2.89 | 3.50 | 3.53 | 3.59 | 3.36 | 3.16 | 3.07 | 3.22 | 3.81 | 4.33 | 5.58 | 7.81 | 9.83 | 10.25 | 11.96 | 13.85 | 12.98 | 12.88 | 14.02 | 13.93 | 15.28 | 15.75 | 15.97 | 15.81 | 18.74 | 16.30 | 17.21 | 18.04 | 18.70 | 18.96 | 18.59 | | |
| INVERT LEVELS (m) | 1.53 | 1.60 | 1.70 | 3.55 | 1.80 | 1.78 | 1.82 | 1.89 | 2.28 | 3.00 | 4.25 | 6.28 | 8.68 | 9.10 | 10.82 | 11.50 | 11.60 | 11.70 | 12.88 | 13.93 | 14.05 | 14.17 | 14.29 | 14.41 | 14.97 | 16.30 | 15.88 | 16.71 | 17.10 | 17.18 | 17.26 | | |
| PIPE DETAILS | 300 DI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 2.25 | 25 | 34.78 | 50 | 63.86 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 255 | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 450 | 475 | 500 | 525 | 550 | 575 | 600 | 625 | 650 | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION

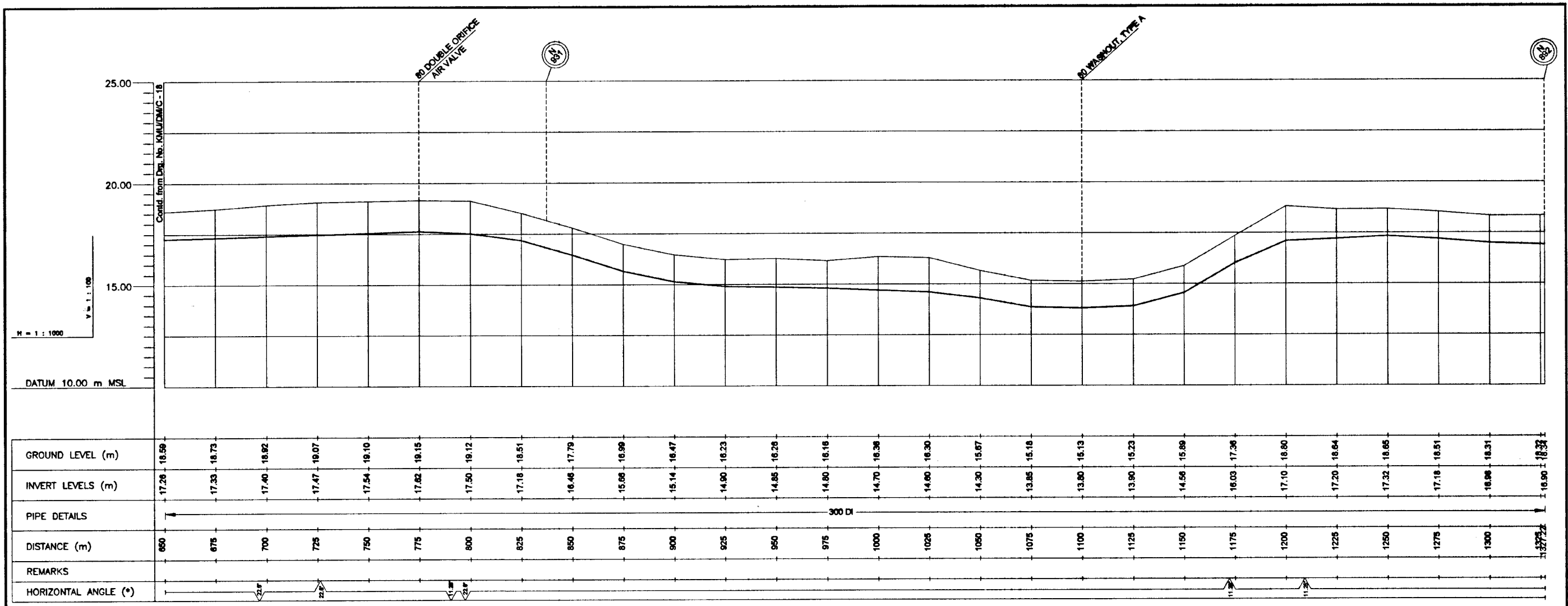


PLAN

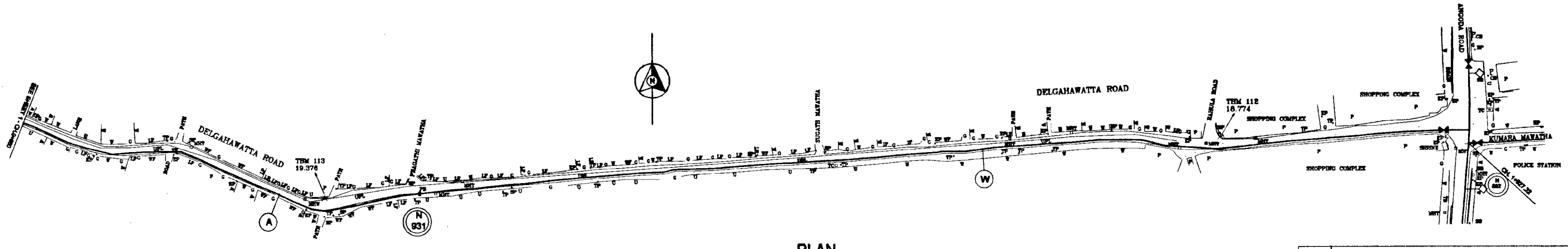
DO NOT SCALE

NOTE
1. FOR GENERAL NOTES, REFER DRG. No. KMU/DM/C-1

| | | |
|--|--|---|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | SUB PROJECT: | TITLE: |
| | KOTIKAWATTA MULLERTYAWA | DELGAHAWATTA ROAD |
| <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p> | <p>DESIGNED: <i>[Signature]</i></p> <p>CHECKED: <i>[Signature]</i></p> <p>DATE: <i>[Signature]</i></p> | <p>DATE: JAN 2001</p> <p>PROJECT NO: NRWTCW</p> <p>DWG. NO: KMU/DM/C-18</p> |



LONGITUDINAL SECTION

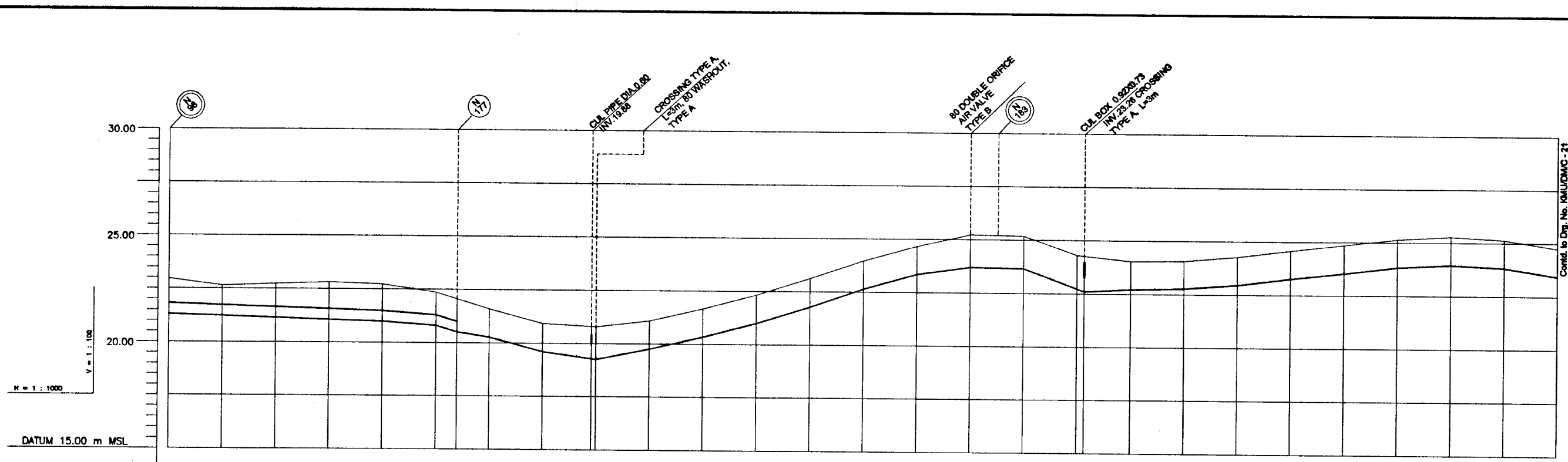


PLAN

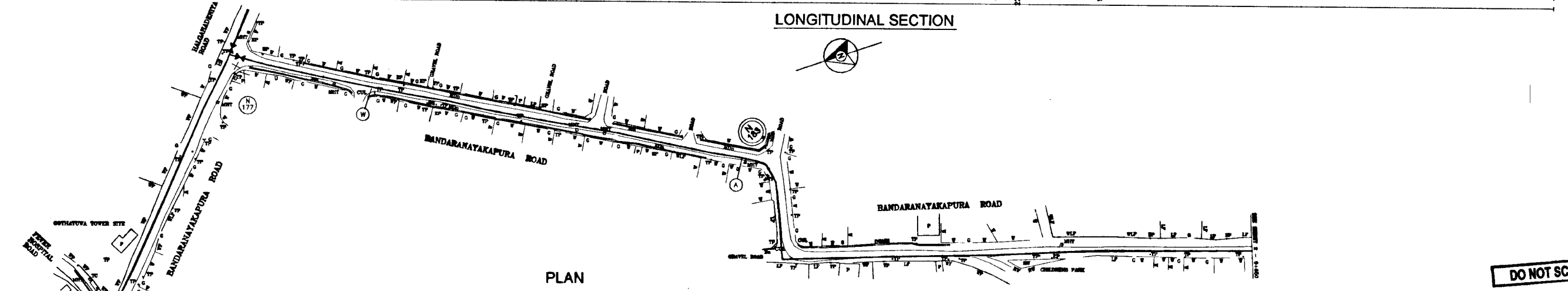
DO NOT SCALE

NOTE
1. FOR GENERAL NOTES, REFER DRG. No. KMU/DM/C-1

| | | |
|--|--|--|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | <p>SUB PROJECT: KOTKAWATTA MULLERIYAWA</p> | <p>TITLE: DELGAHAWATTA ROAD</p> |
| | <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>MIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p> | <p>DESIGNED: [Signature]</p> <p>CHECKED: [Signature]</p> <p>BY TEAM LEADER: [Signature]</p> <p>APPROVED: [Signature]</p> |



| GROUND LEVEL (m) | 23.30 | 22.64 | 22.73 | 22.80 | 22.73 | 22.35 | 22.05 | 21.59 | 20.92 | 20.78 | 21.09 | 21.66 | 22.33 | 23.11 | 23.96 | 24.67 | 25.24 | 25.19 | 24.30 | 24.36 | 24.04 | 24.08 | 24.28 | 24.58 | 24.88 | 25.15 | 25.28 | 25.15 | 24.75 | | | |
|----------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|
| INVERT LEVELS (m) | 21.30 | 21.22 | 21.14 | 21.06 | 20.96 | 20.80 | 20.50 | 20.26 | 19.60 | 19.26 | 19.76 | 20.33 | 21.00 | 21.76 | 22.63 | 23.34 | 23.70 | 23.65 | 22.80 | 22.80 | 22.70 | 22.76 | 22.96 | 23.25 | 23.53 | 23.82 | 23.95 | 23.82 | 23.42 | | | |
| PIPE DETAILS | 500 DI | | | | | | | | | | | | | | | 300 DI | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 0 | 25 | 50 | 75 | 100 | 125 | 135 | 150 | 175 | 192.87 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 428.33 | 460 | 475 | 500 | 525 | 550 | 575 | 600 | 625 | 650 | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



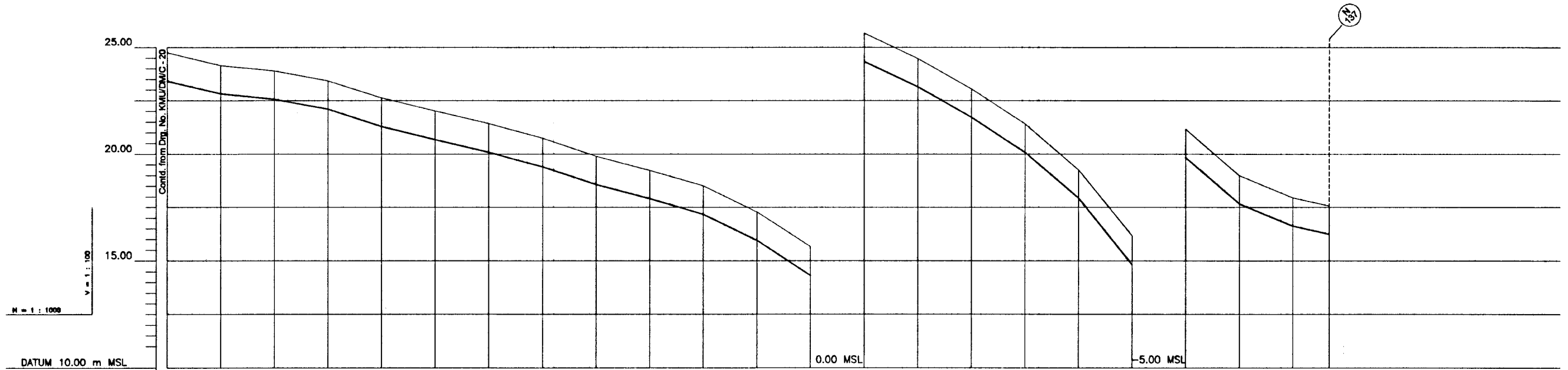
LONGITUDINAL SECTION

PLAN

DO NOT SCALE

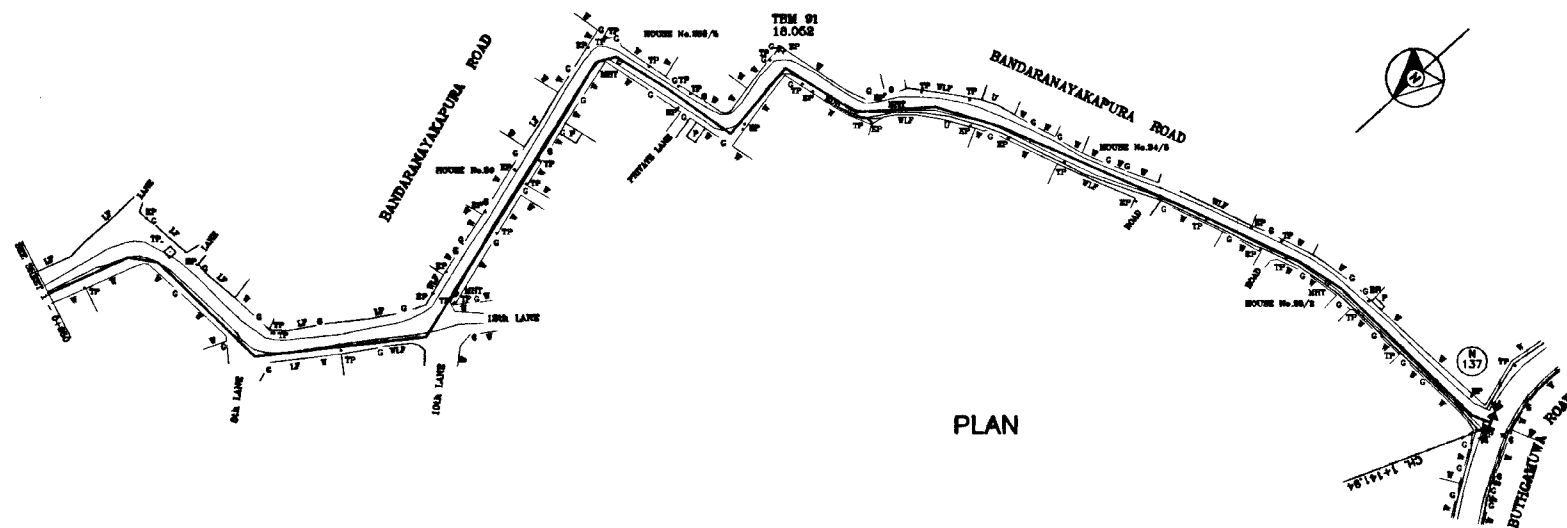
| | | |
|--|--|---|
| NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: | TITLE: |
| | KOTIKAWATTA MULLARIYAWA | BANDARANAYAKAPURA ROAD |
| JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NISON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN | REVISIONS: CHECKED: BY: YENI LESANA YENI LESANA | DATE: JAN 2001 DRAWN BY: SHRUTI CH SCALE: KM/DM/C/20 |

NOTE
1. FOR GENERAL NOTES, REFER DRG. No. KM/DM/C-1



| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|---------|--|
| GROUND LEVEL (m) | 24.75 | 24.15 | 23.98 | 23.43 | 22.62 | 22.01 | 21.42 | 20.74 | 19.90 | 19.24 | 18.51 | 17.20 | 15.98 | 15.98 | 14.47 | 13.05 | 11.41 | 9.27 | 6.17 | 6.17 | 4.00 | 2.96 | 2.57 | |
| INVERT LEVELS (m) | 23.42 | 22.82 | 22.56 | 22.10 | 21.29 | 20.68 | 20.09 | 19.41 | 18.57 | 17.91 | 17.16 | 15.96 | 14.33 | 14.33 | 13.14 | 11.72 | 10.08 | 7.98 | 4.84 | 4.84 | 2.87 | 1.63 | 1.24 | |
| PIPE DETAILS | 300 ϕ | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 650 | 675 | 700 | 725 | 750 | 775 | 800 | 825 | 850 | 875 | 900 | 925 | 950 | 950 | 975 | 1000 | 1025 | 1050 | 1075 | 1075 | 1100 | 1125 | 1141.84 | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | 45° | 22.5° | | 45° | 45° | | | 45° | 45° | | 90° | 90° | 45° | 22.5° | | | | | | | | | 22.5° | |


LONGITUDINAL SECTION

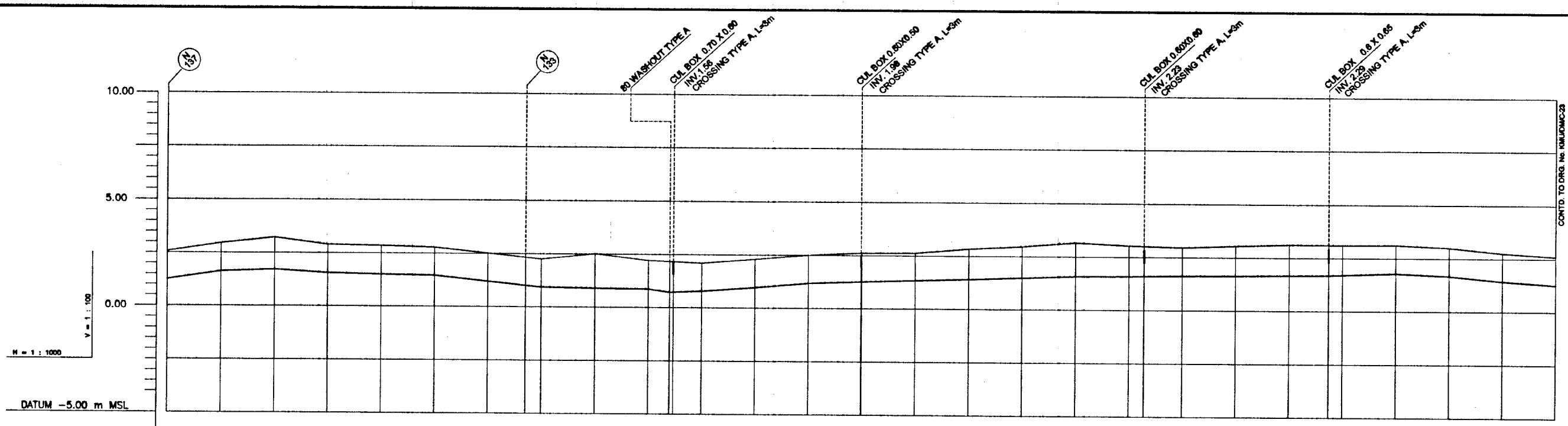


PLAN

NOTE
1. FOR GENERAL NOTES, REFER DRG. No. KMU/DM/C-1

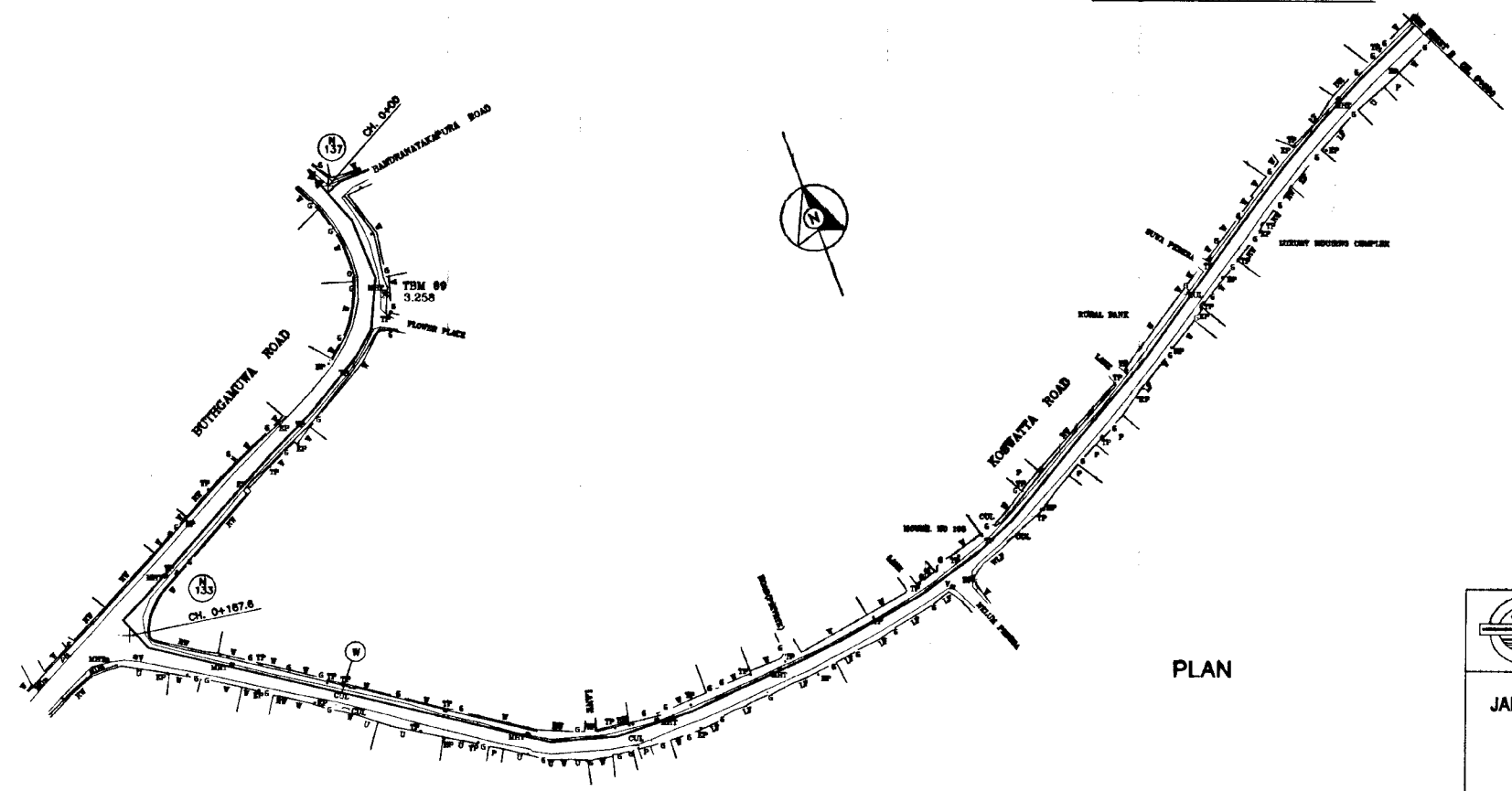
DO NOT SCALE

| | | |
|---|---|---|
|  NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: KOTIKAWATTA MULLARIYAWA | TITLE: BANDARANAYAKAPURA ROAD |
| | JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIPPON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN | |
| DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> BY: <i>[Signature]</i> REVIEWED: <i>[Signature]</i> | DRAWN: <i>[Signature]</i> A.S.D. (PRO) INCHG: <i>[Signature]</i> D.S.M. (PRO) INCHG: <i>[Signature]</i> | DATE: JAN 2001 COMMENTS: NRW/CW DRG. NO: KMU/DM/C/21 |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|----------------|------|------|------|------|------|------|-------|------|------|------|-------|------|------|------|-------|------|------|------|------|------|-------|------|------|------|-------|------|------|------|------|------|--|--|
| GROUND LEVEL (m) | 2.57 | 2.96 | 3.21 | 2.88 | 2.84 | 2.78 | 2.62 | 2.33 | 2.28 | 2.50 | 2.22 | 2.16 | 2.10 | 2.29 | 2.50 | 2.81 | 2.63 | 2.84 | 2.96 | 3.16 | 3.04 | 3.01 | 2.86 | 3.06 | 3.12 | 3.11 | 3.10 | 3.11 | 3.00 | 2.75 | 2.59 | | |
| INVERT LEVELS (m) | 1.24 | 1.62 | 1.70 | 1.55 | 1.50 | 1.45 | 1.19 | 1.00 | 0.83 | 0.88 | 0.86 | 0.72 | 0.77 | 0.96 | 1.17 | 1.25 | 1.32 | 1.40 | 1.48 | 1.56 | 1.88 | 1.80 | 1.62 | 1.84 | 1.86 | 1.88 | 1.78 | 1.87 | 1.42 | 1.26 | | | |
| PIPE DETAILS | 300mm DI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 0 | 25 | 50 | 75 | 100 | 125 | 150 | 167.6 | 175 | 200 | 223 | 238.7 | 250 | 275 | 300 | 324.5 | 350 | 375 | 400 | 425 | 450 | 457.1 | 475 | 500 | 525 | 543.5 | 550 | 575 | 600 | 625 | 650 | | |
| REMARKS | TYPE C BEDDING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | 11.2 | 21.5 | 22.5 | | | | 90 | 49 | | | | | | | 22.8 | 1.2 | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION

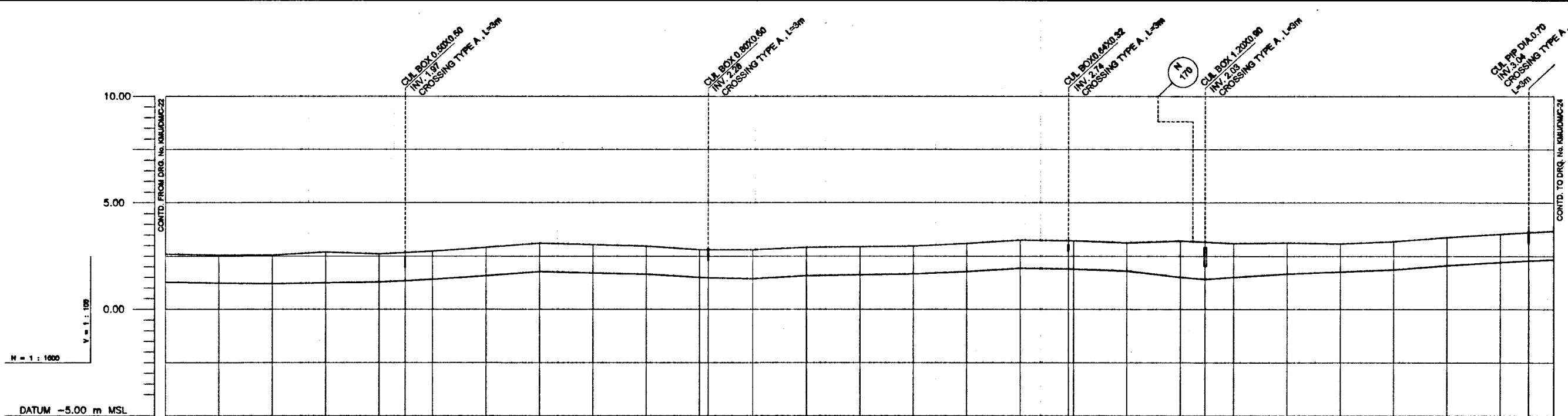


PLAN

NOTE
1. FOR GENERAL NOTES, REFER DRG. No. KMU/DM/C-1

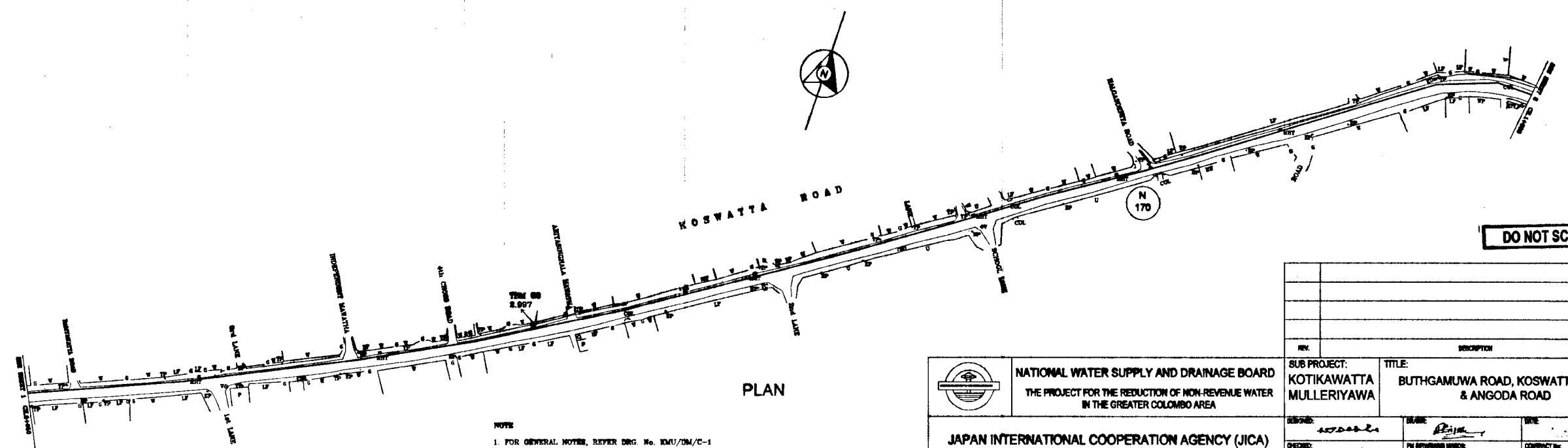
DO NOT SCALE

| | | | |
|--|--|---|---|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | | TITLE: BUTHGAMUWA ROAD, KOSWATTA ROAD & ANGODA ROAD |
| | DATE: JAN 2001 | | |
| | CONTRACT NO: NRW / CW | | |
| | D.R.M. NO: KMU/DM/C/22 | | |
| <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p> | | | |
| DESIGNED: <i>Asaoka</i> CHECKED: <i>Asaoka</i> BY: <i>Asaoka</i> TOWN: <i>Asaoka</i> | DRAWN: <i>Asaoka</i> IN CHARGE: <i>Asaoka</i> A.E.M. (PRO) INCHARGE: <i>Asaoka</i> D.R.M. (PRO) INCHARGE: <i>Asaoka</i> | DATE: <i>Asaoka</i> CONTRACT NO: <i>Asaoka</i> D.R.M. NO: <i>Asaoka</i> | SHEET 1 OF 4 |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|----------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|------|------|------|------|---------|------|--|
| GROUND LEVEL (m) | 2.59 | 2.55 | 2.55 | 2.69 | 2.61 | 2.67 | 2.73 | 2.91 | 3.11 | 3.04 | 2.97 | 2.81 | 2.81 | 2.80 | 2.91 | 2.95 | 2.97 | 3.10 | 3.26 | 3.23 | 3.23 | 3.13 | 3.22 | 3.16 | 3.10 | 3.12 | 3.09 | 3.16 | 3.38 | 3.54 | 3.61 | 3.67 | |
| INVERT LEVELS (m) | 1.26 | 1.23 | 1.20 | 1.24 | 1.28 | 1.34 | 1.40 | 1.58 | 1.78 | 1.71 | 1.64 | 1.48 | 1.44 | 1.58 | 1.62 | 1.66 | 1.77 | 1.93 | 1.90 | 1.90 | 1.80 | 1.80 | 1.50 | 1.40 | 1.50 | 1.66 | 1.76 | 1.86 | 2.05 | 2.21 | 2.288.2 | 2.34 | |
| PIPE DETAILS | 300mm DI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 650 | 675 | 700 | 725 | 750 | 762.2 | 775 | 800 | 825 | 850 | 875 | 900 | 904 | 925 | 950 | 975 | 1000 | 1025 | 1050 | 1075 | 1075 | 1100 | 1125 | 1136.7 | 1150 | 1175 | 1200 | 1225 | 1250 | 1275 | 1288.2 | 1300 | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (*) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

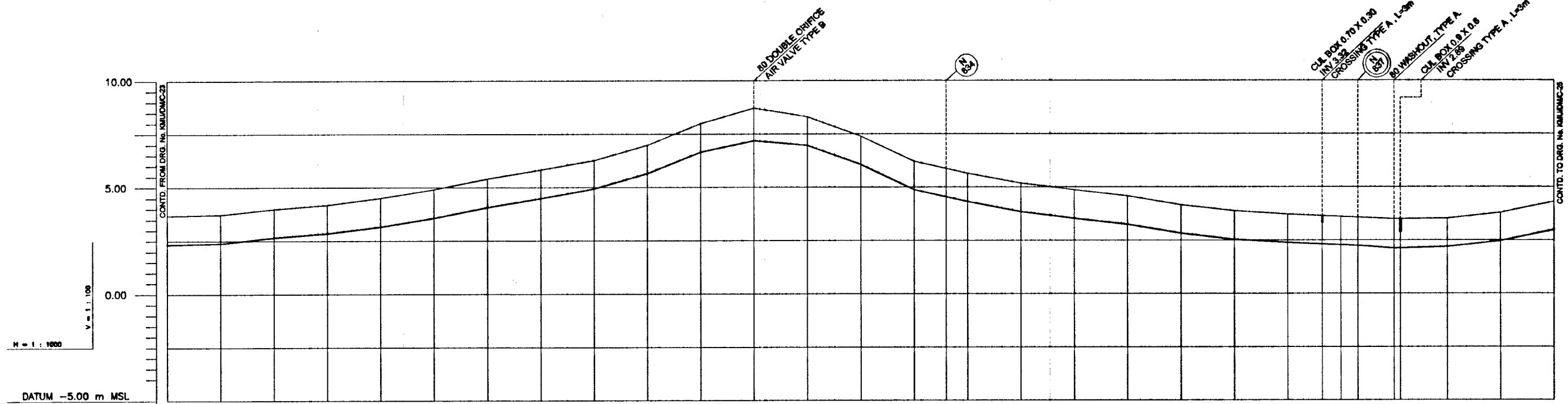
LONGITUDINAL SECTION



PLAN

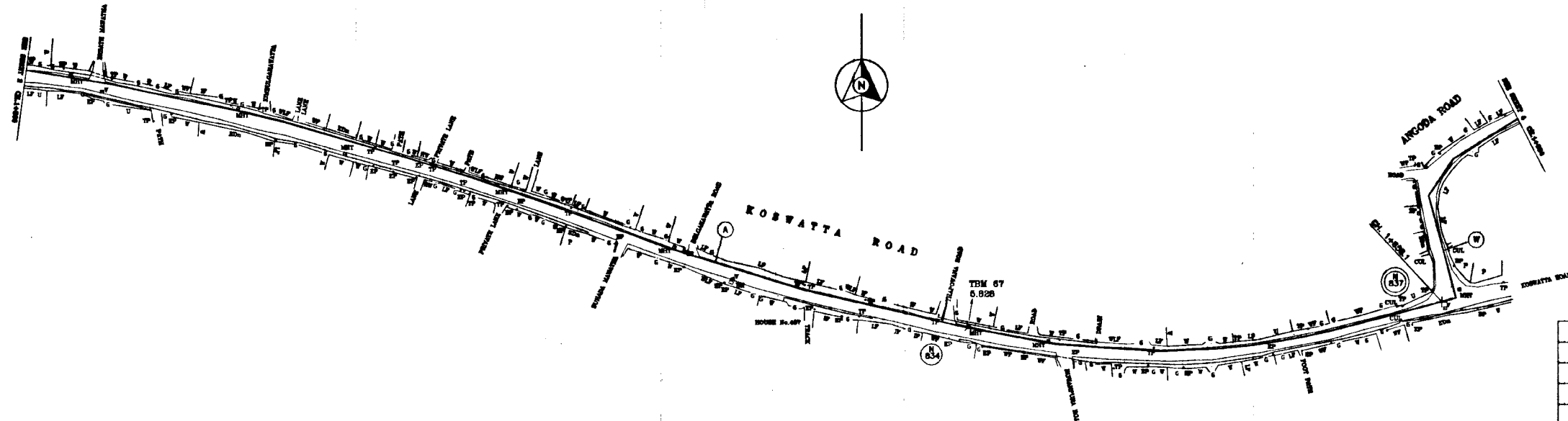
NOTE
1. FOR GENERAL NOTE, REFER DRG. No. KMJ/DW/C-1

| | | | | |
|--|--|--|---|--|
| | NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | TITLE: BUTHGAMUWA ROAD, KOSWATTA ROAD & ANGODA ROAD |
| | JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIHOH SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN | | REV. 1 DATE: JAN 2001 | CONTRACT NO.: NRW/CW DRAWING NO.: KMJ/DWC/23 |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|---------|------|--------|------|------|------|------|------|------|--|
| GROUND LEVEL (m) | 3.67 | 3.73 | 3.98 | 4.19 | 4.50 | 4.81 | 5.40 | 5.82 | 6.28 | 6.98 | 7.98 | 8.72 | 8.30 | 7.38 | 6.20 | 5.87 | 5.08 | 5.18 | 4.88 | 4.16 | 3.87 | 3.72 | 3.88 | 3.81 | 3.58 | 3.50 | 3.52 | 3.79 | 4.31 | | | |
| INVERT LEVELS (m) | 2.34 | 2.40 | 2.68 | 2.88 | 3.17 | 3.58 | 4.07 | 4.48 | 4.93 | 5.05 | 6.08 | 7.19 | 8.07 | 6.06 | 4.87 | 4.54 | 4.32 | 3.88 | 3.83 | 3.28 | 2.83 | 2.54 | 2.38 | 2.32 | 3.08 | 3.81 | 2.25 | 2.12 | 2.19 | 2.48 | 2.98 | |
| PIPE DETAILS | | | | | | | | | | | | | | | | | | 300mm CI | | | | | | | | | | | | | | |
| DISTANCE (m) | 1300 | 1325 | 1350 | 1375 | 1400 | 1425 | 1450 | 1475 | 1500 | 1525 | 1550 | 1575 | 1600 | 1625 | 1650 | 1675 | 1700 | 1725 | 1750 | 1775 | 1800 | 1825 | 1841.31 | 1850 | 1858.1 | 1875 | 1900 | 1925 | 1950 | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION



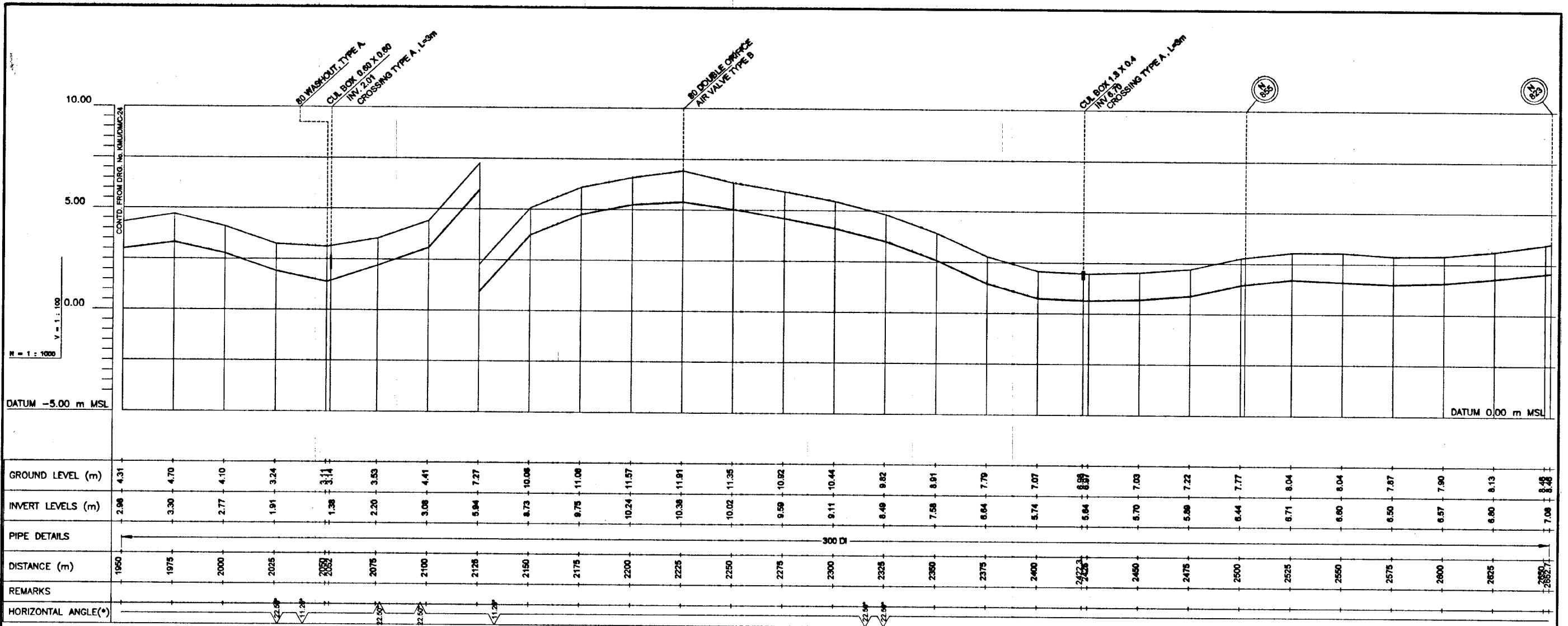
PLAN

NOTE
1. FOR GENERAL NOTES, REFER DRG. No. KMJ/DM/C-1

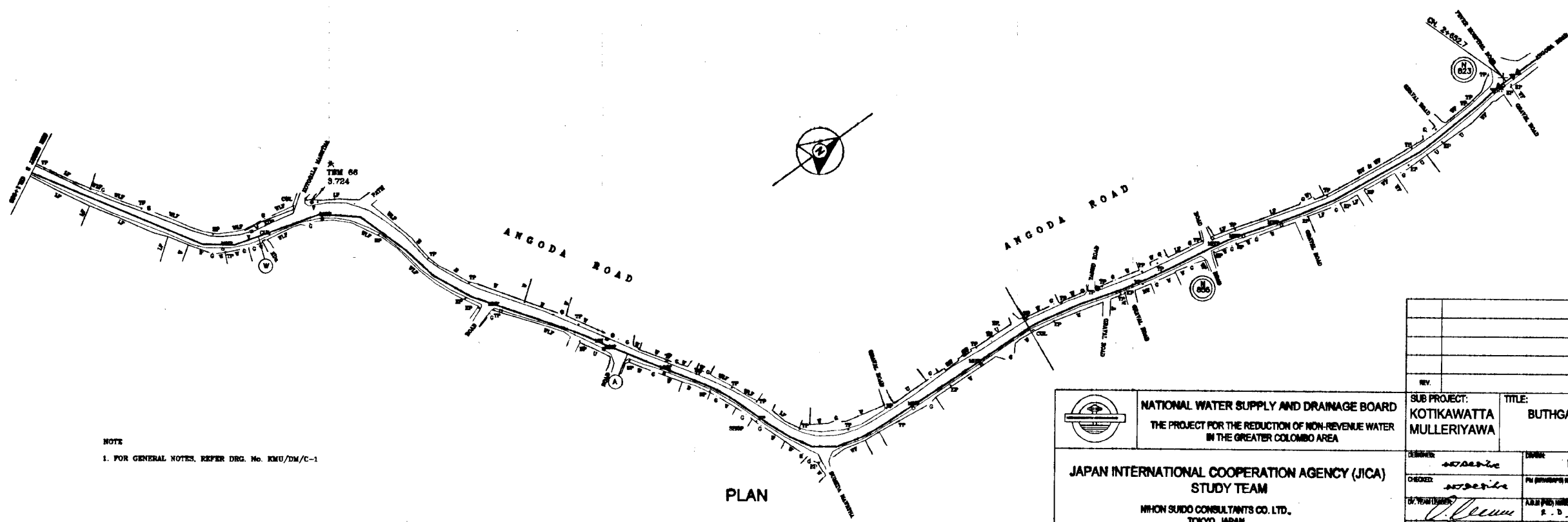
DO NOT SCALE

| | | |
|--|---|--|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | <p>SUB PROJECT: KOTIKAWATTA MULLERIYAWA</p> | <p>TITLE: BUTHGAMUWA ROAD, KOSWATTA ROAD & ANGODA ROAD</p> |
| | <p>DESIGNED: [Signature]</p> | <p>CHECKED: [Signature]</p> |
| <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> | | <p>DATE: [Signature]</p> |
| <p>NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p> | | <p>DATE: [Signature]</p> |
| <p>DATE: [Signature]</p> | | <p>DATE: [Signature]</p> |

SHEET 3 OF 4
JAN 2001
NRW/CW
KMJ/DWC/24



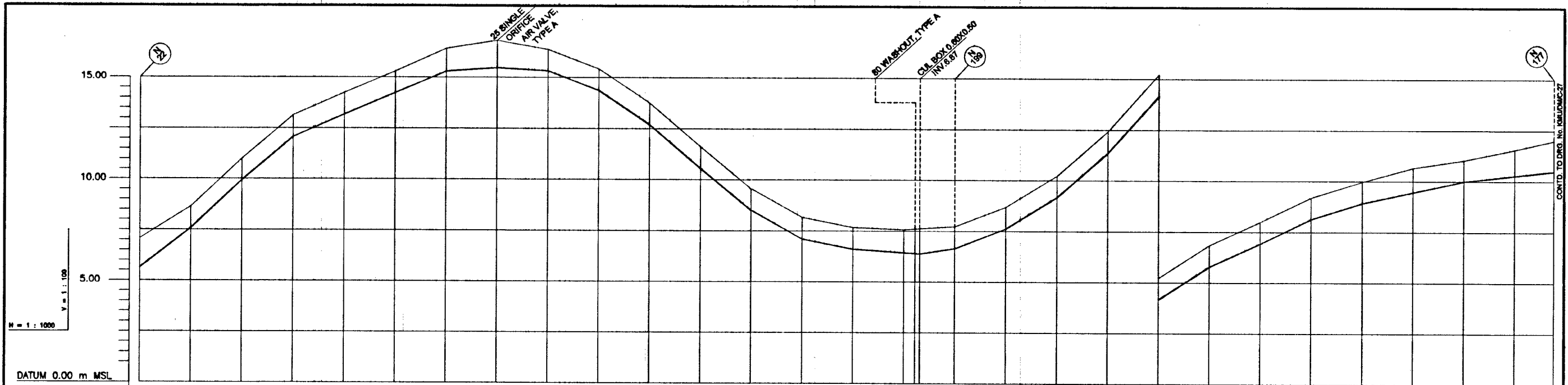
LONGITUDINAL SECTION



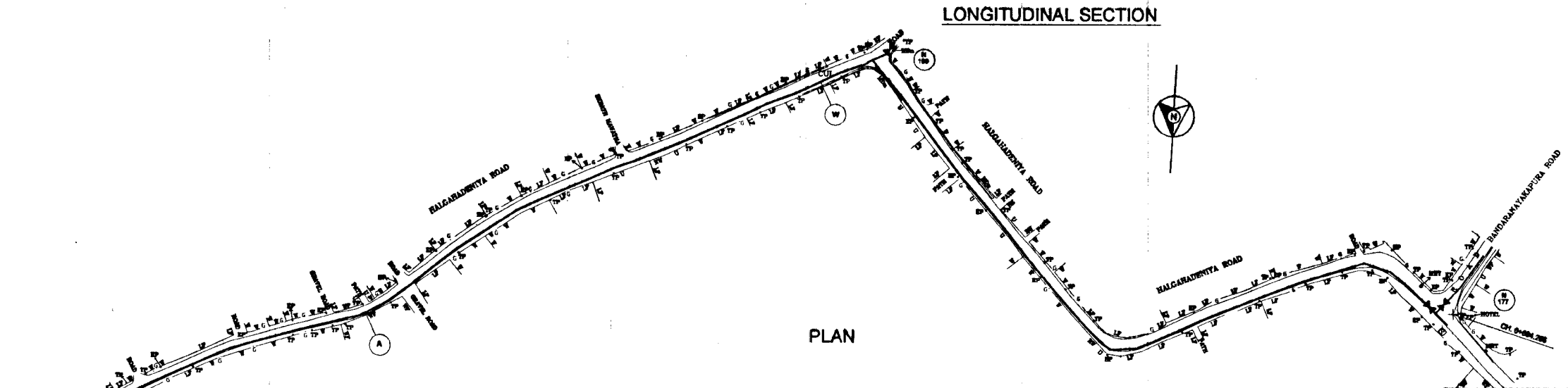
NOTE
1. FOR GENERAL NOTES, REFER DRG. No. KMU/DM/C-1

PLAN

| | | |
|--|---|--|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | <p>SUB PROJECT: KOTIKAWATTA MULLERIYAWA</p> | <p>TITLE: BUTHGAMUWA ROAD, KOSWATTA ROAD & ANGODA ROAD</p> |
| | <p>DESIGNED: <i>[Signature]</i></p> | <p>DATE: JAN 2001</p> |
| <p>CHECKED: <i>[Signature]</i></p> | <p>FOR APPROVAL: <i>[Signature]</i></p> | <p>CONTRACT: NRW / CW</p> |
| <p>DR. TEAM LEADER: <i>[Signature]</i></p> | <p>AREA PROJ. INCHG: <i>[Signature]</i></p> | <p>DRG. NO: KMU/DM/C/25</p> |
| <p>TEAM LEADER: <i>[Signature]</i></p> | <p>D.B.M PROJ. INCHG: <i>[Signature]</i></p> | |

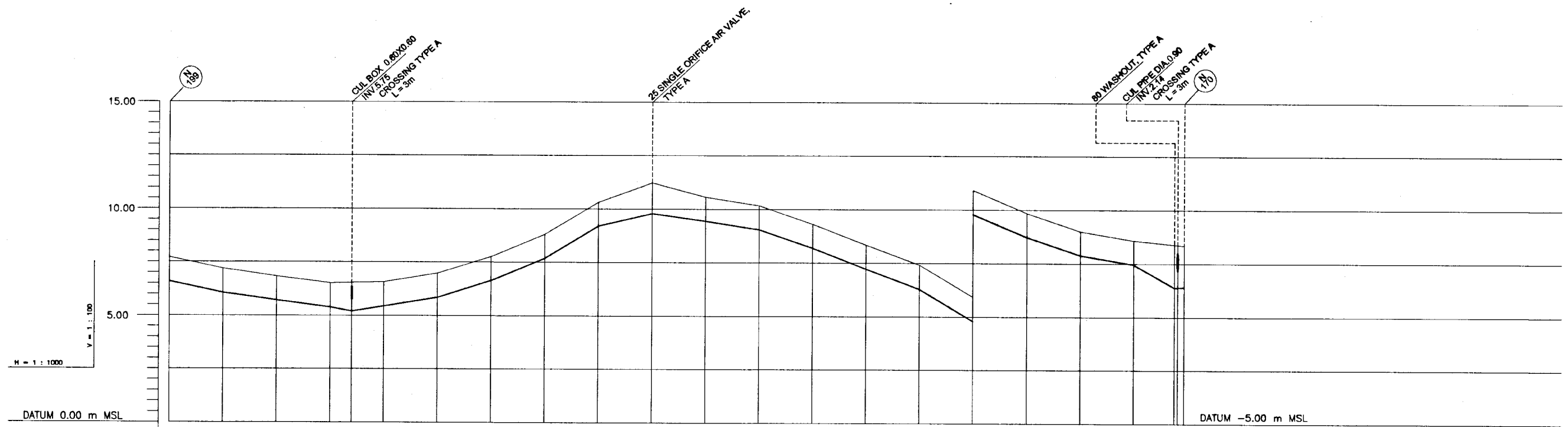


| | 0 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 382.8 | 400 | 425 | 450 | 475 | 600 | 525 | 550 | 575 | 600 | 625 | 650 | 675 | 694.28 | | |
|----------------------|---------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|-------|---------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|----|--|
| GROUND LEVEL (m) | 7.07 | 8.64 | 11.01 | 13.14 | 14.24 | 15.30 | 16.43 | 16.82 | 16.39 | 15.43 | 13.76 | 11.62 | 9.55 | 8.16 | 7.66 | 7.56 | 7.60 | 7.71 | 6.68 | 10.24 | 12.43 | 15.22 | 16.84 | 17.99 | 19.19 | 19.98 | 20.67 | 21.05 | 21.57 | 22.05 | | |
| INVERT LEVELS (m) | 5.64 | 7.58 | 9.95 | 12.08 | 13.18 | 14.24 | 15.30 | 15.46 | 15.33 | 14.37 | 12.70 | 10.56 | 8.49 | 7.10 | 6.80 | 6.36 | 6.58 | 6.58 | 7.55 | 9.11 | 11.30 | 14.09 | 16.71 | 16.86 | 18.05 | 18.85 | 19.54 | 19.02 | 20.40 | 20.50 | | |
| PIPE DETAILS | 160 PVC (TYPE 1000) | | | | | | | | | | | | | | | | | 225 PVC (TYPE 1000) | | | | | | | | | | | | | | |
| DISTANCE (m) | 0 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 382.8 | 400 | 425 | 450 | 475 | 600 | 525 | 550 | 575 | 600 | 625 | 650 | 675 | 694.28 | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | 45 | 15 | 22 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |



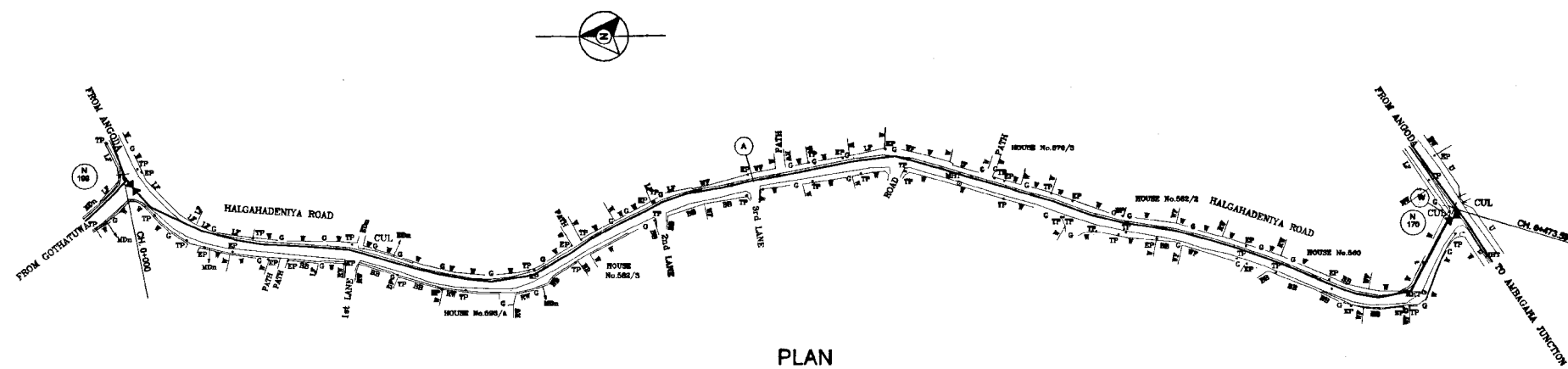
NOTE
1. FOR GENERAL NOTES, REFER DRC. No. KMU/DW/C-1

| | | | | |
|--|--|--|---|---|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | | TITLE: HALGAHADENIYA ROAD | |
| | <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p> | | <p>DATE: JAN 2001</p> <p>PROJECT: NRW/CW</p> <p>DRAWING NO: KMU/DW/C-28</p> | <p>DATE: JAN 2001</p> <p>PROJECT: NRW/CW</p> <p>DRAWING NO: KMU/DW/C-28</p> |



| | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---------------------|------|------|------|-------|------|------|------|------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|--------|
| GROUND LEVEL (m) | 7.71 | 7.18 | 6.82 | 6.51 | 6.53 | 6.56 | 6.98 | 7.76 | 8.81 | 10.32 | 11.23 | 10.57 | 10.18 | 9.31 | 8.35 | 7.41 | 5.93 | 4.86 | 4.01 | 3.56 | 3.31 | 3.31 |
| INVERT LEVELS (m) | 6.58 | 6.05 | 5.70 | 5.38 | 5.20 | 5.43 | 5.85 | 6.63 | 7.68 | 9.20 | 9.80 | 9.44 | 9.05 | 8.18 | 7.22 | 6.28 | 4.80 | 3.73 | 2.88 | 2.45 | 1.38 | 1.40 |
| PIPE DETAILS | 225 PVC (TYPE 1000) | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 0 | 25 | 50 | 75 | 85.14 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 450 | 475 | 478.83 |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (*) | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION

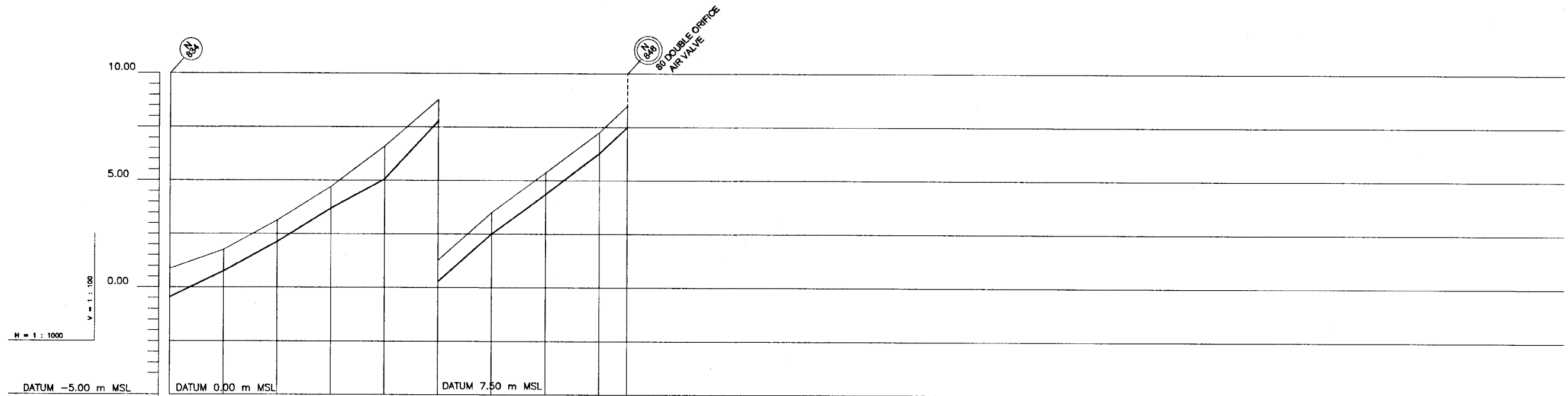


PLAN

DO NOT SCALE

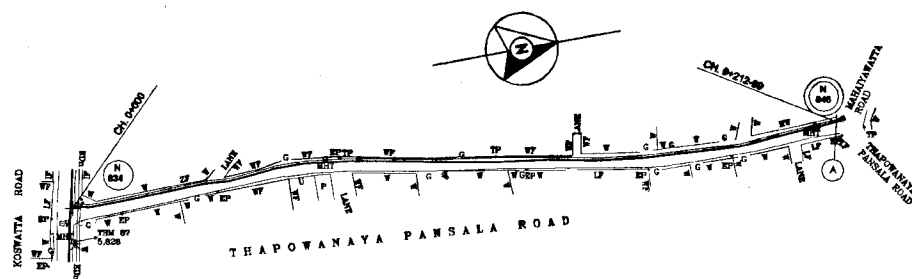
NOTE
1. FOR GENERAL NOTES, REFER DRG. No. KMJ/DM/C-1

| | | | |
|--|---|--|--|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | | TITLE: HALGAHADENIYA ROAD |
| | <p>DERIVED: <i>[Signature]</i></p> <p>CHECKED: <i>[Signature]</i></p> <p>DR. TEAM LEADER: <i>[Signature]</i></p> <p>TEAM LEADER: <i>[Signature]</i></p> | | <p>DATE: JAN 2007</p> <p>CONTRACT No: NRW / CW</p> <p>DWG. No: KMJ / DM / C - 27</p> |
| <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p> | | | |



| | | | | | | | | | | |
|----------------------|--------|------|------|------|-------|-------|-------|-------|-------|--------|
| GROUND LEVEL (m) | 5.87 | 6.76 | 8.14 | 9.71 | 11.60 | 13.76 | 16.02 | 17.87 | 19.77 | 21.00 |
| INVERT LEVELS (m) | 4.54 | 5.76 | 7.14 | 8.71 | 10.60 | 12.78 | 15.02 | 16.87 | 18.77 | 20.00 |
| PIPE DETAILS | 250 DI | | | | | | | | | |
| DISTANCE (m) | 0 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 212.99 |
| REMARKS | | | | | | | | | | |
| HORIZONTAL ANGLE (*) | | | | | | | | | | |


LONGITUDINAL SECTION

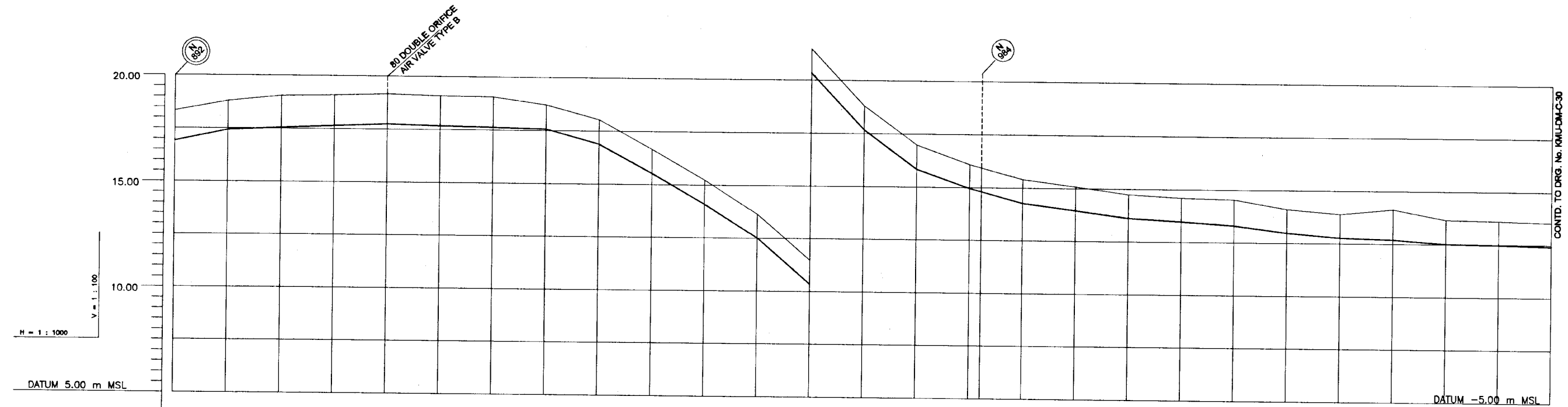


PLAN

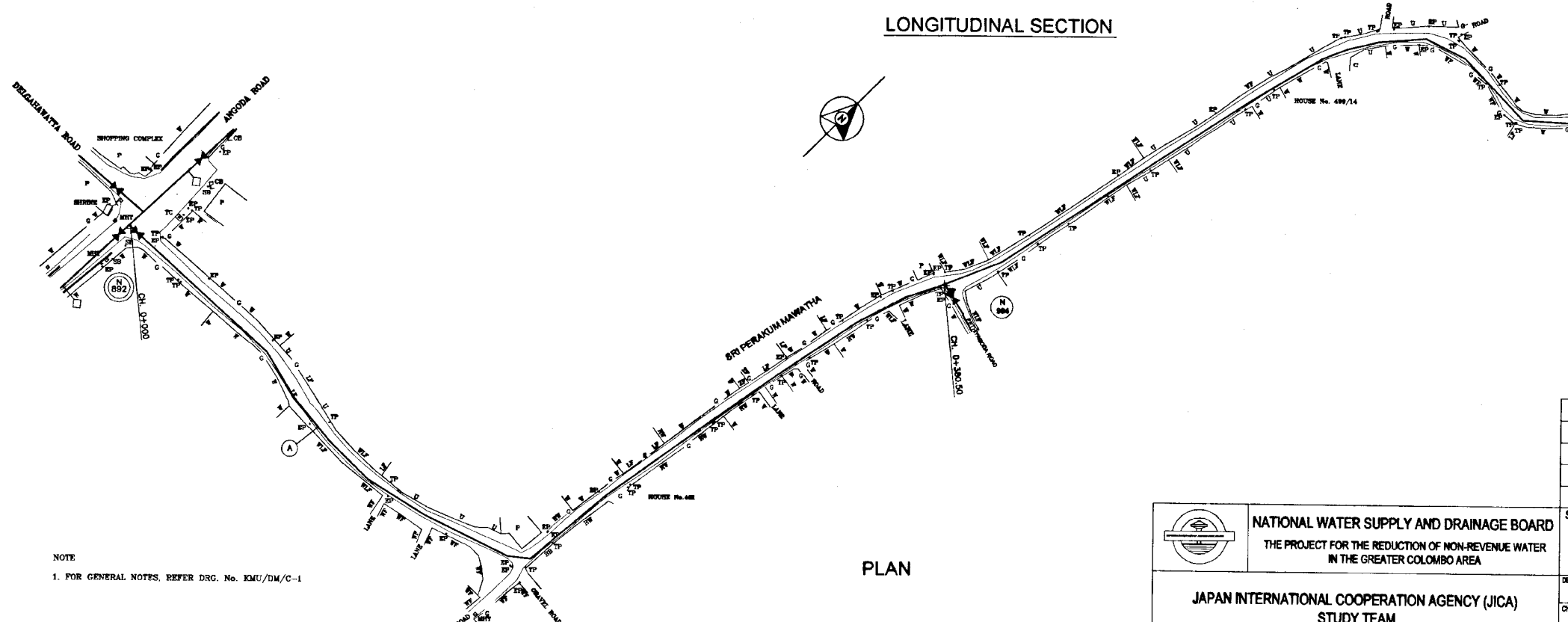
NOTE
1. FOR GENERAL NOTES, REFER DRG. No. KMU/DM/C-1

DO NOT SCALE

| | | | | |
|---|----------------------------|-------------|--------------------------|--|
|  NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: | | TITLE: | |
| | KOTIKAWATTA MULLERIYAWA | | THAPOWANAYA PANSALA ROAD | |
| DESIGNER: | DRINK: | DATE: | JAN - 2007 | |
| CHECKED: | PLANNING/INSPECTION: | CONTRACTOR: | NRW / CW | |
| DR. TEAM LEADER: | A.S.M (PMD) INCHARGE: | DATE INC: | | |
| TEAM LEADER: | D.O.M (PMD) INCHARGE: | | KMU/DM/C-28 | |




| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| GROUND LEVEL (m) | 18.34 | 18.79 | 19.05 | 19.09 | 19.16 | 19.09 | 19.06 | 18.70 | 18.02 | 16.66 | 15.23 | 13.64 | 11.48 | 8.81 | 6.98 | 6.09 | 5.94 | 5.41 | 5.08 | 4.75 | 4.60 | 4.55 | 4.11 | 3.90 | 4.14 | 3.65 | 3.62 | 3.55 | | |
| INVERT LEVELS (m) | 16.80 | 17.43 | 17.53 | 17.63 | 17.73 | 17.67 | 17.62 | 17.57 | 16.89 | 15.53 | 14.10 | 12.51 | 10.35 | 7.68 | 5.85 | 4.98 | 4.81 | 4.28 | 3.95 | 3.62 | 3.47 | 3.30 | 2.98 | 2.77 | 2.70 | 2.52 | 2.49 | 2.42 | | |
| PIPE DETAILS | 300 DI | | | | | | | | | | | | | | | 225 PVC (TYPE 1000) | | | | | | | | | | | | | | |
| DISTANCE (m) | 0 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 450 | 475 | 500 | 525 | 550 | 575 | 600 | 625 | 650 | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

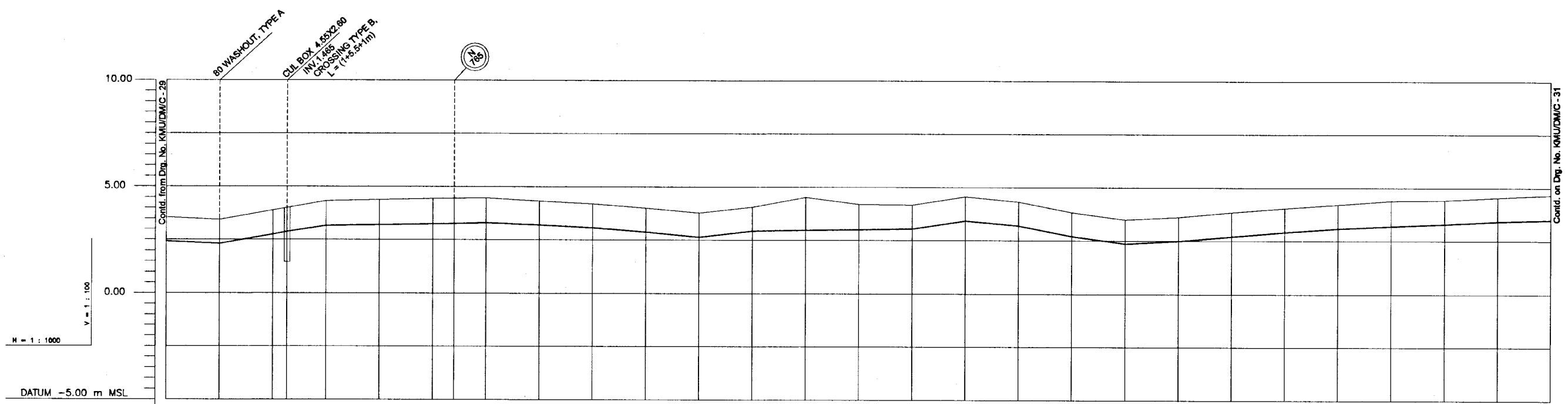


NOTE
1. FOR GENERAL NOTES, REFER DRG. No. KMU/DM/C-1

DO NOT SCALE

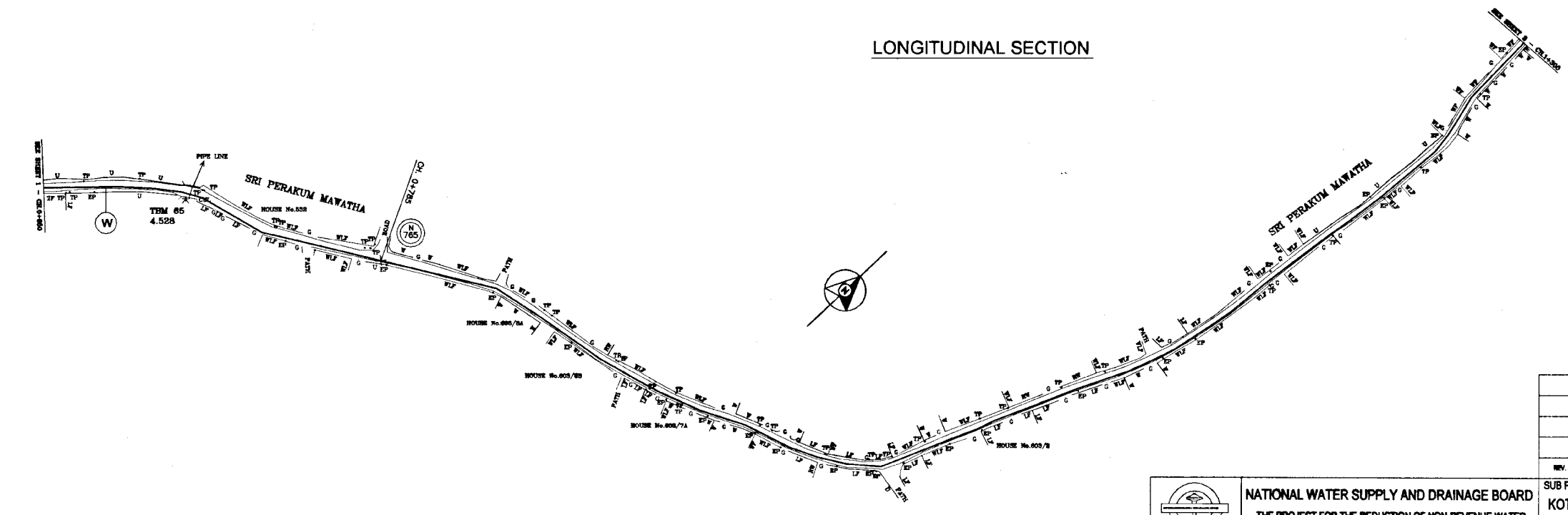
| | | | |
|--|---|--|--------------------------|
|  NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | TITLE: SRI PERAKUM MAWATHA & RANABIMA MAWATHA | SHEET 1 OF 4 |
| | DESIGNER: <i>W.D. Jayasinghe</i> | DRAWN: <i>[Signature]</i> | DATE: JAN 2001 |
| CHECKED: <i>W.D. Jayasinghe</i> | PM (NWS&D) INCHARGE: <i>[Signature]</i> | CONTRACT No.: NRW / CW | |
| DT. TEAM LEADER: <i>[Signature]</i> | A.G.M (P&D) INCHARGE: <i>[Signature]</i> | DRG. No.: KMU/DM/C - 29 | |
| TEAM LEADER: <i>[Signature]</i> | D.G.M (P&D) INCHARGE: <i>[Signature]</i> | | |

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
STUDY TEAM
NIHON SUIDO CONSULTANTS CO. LTD.,
TOKYO, JAPAN



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---------------------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|
| GROUND LEVEL (m) | 3.55 | 3.44 | 3.88 | 4.0 | 4.32 | 4.39 | 4.44 | 4.45 | 4.46 | 4.33 | 4.20 | 4.00 | 3.77 | 4.06 | 4.53 | 4.20 | 4.17 | 4.56 | 4.33 | 3.83 | 3.49 | 3.62 | 3.84 | 4.05 | 4.22 | 4.40 | 4.43 | 4.55 | 4.67 | | | |
| INVERT LEVELS (m) | 2.42 | 2.31 | 2.75 | 2.87 | 3.16 | 3.20 | 3.24 | 3.28 | 3.30 | 3.20 | 3.07 | 2.87 | 2.64 | 2.93 | 2.97 | 3.00 | 3.04 | 3.43 | 2.70 | 2.70 | 2.36 | 2.49 | 2.71 | 2.92 | 3.09 | 3.20 | 3.30 | 3.42 | 3.50 | | | |
| PIPE DETAILS | 225 PVC (TYPE 1000) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 660 | 675 | 700 | 706.65 | 725 | 750 | 775 | 785 | 800 | 825 | 850 | 875 | 900 | 925 | 950 | 975 | 1000 | 1025 | 1050 | 1075 | 1100 | 1125 | 1150 | 1175 | 1200 | 1225 | 1250 | 1275 | 1300 | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (*) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

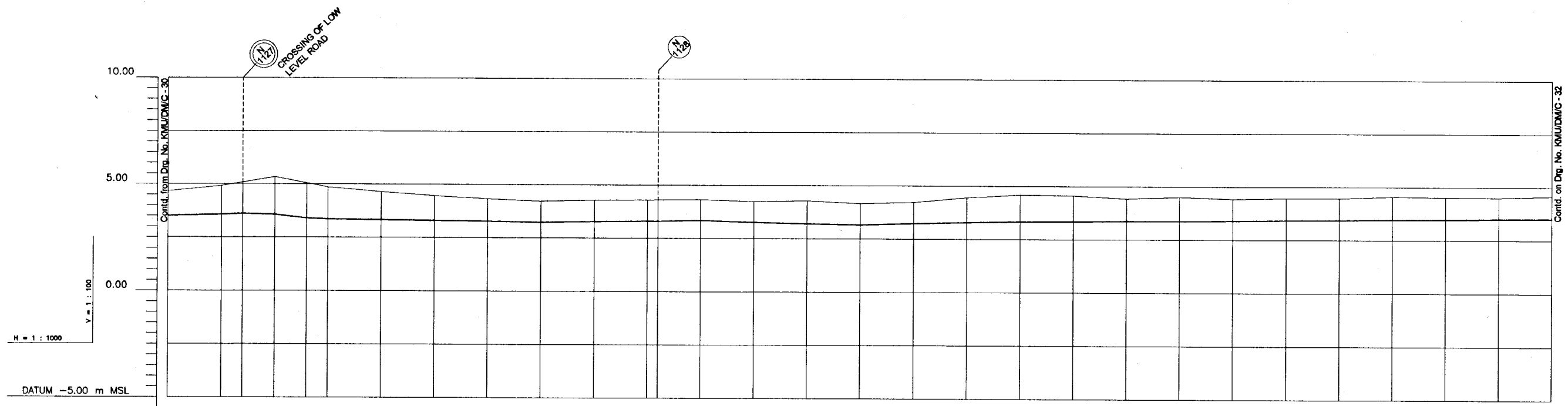
LONGITUDINAL SECTION



NOTE
1. FOR GENERAL NOTES, REFER DRG. No. KMU/DM/C-1

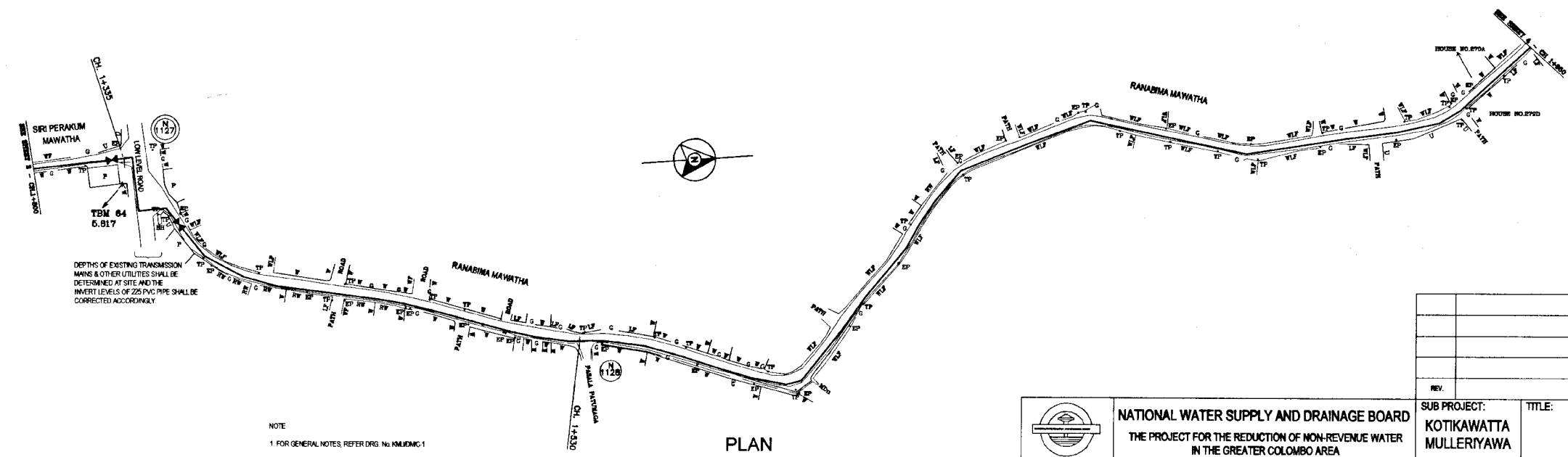
PLAN

| | | |
|--|--|--|
| NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | TITLE: SRI PERAKUM MAWATHA & RANABIMA MAWATHA |
| | DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> CIV. TEAM LEADER: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i> | DRAWN: <i>[Signature]</i> PW (REVISED) NUMBER: <i>[Signature]</i> A.S.M (P) NUMBER: <i>[Signature]</i> D.G.M (P) NUMBER: <i>[Signature]</i> |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|-------------------------|------|------|------|------|------|------|------|------|------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| GROUND LEVEL (m) | 4.87 | 4.91 | 5.08 | 5.35 | 5.05 | 4.88 | 4.65 | 4.47 | 4.32 | 4.23 | 4.29 | 4.29 | 4.30 | 4.33 | 4.25 | 4.28 | 4.16 | 4.23 | 4.46 | 4.59 | 4.56 | 4.42 | 4.51 | 4.42 | 4.47 | 4.46 | 4.56 | 4.52 | 4.50 | 4.58 | | | |
| INVERT LEVELS (m) | 3.50 | 3.56 | 3.60 | 3.56 | 3.40 | 3.35 | 3.32 | 3.29 | 3.26 | 3.23 | 3.26 | 3.29 | 3.30 | 3.33 | 3.25 | 3.20 | 3.18 | 3.23 | 3.28 | 3.32 | 3.34 | 3.36 | 3.36 | 3.40 | 3.42 | 3.44 | 3.46 | 3.46 | 3.48 | 3.50 | 3.52 | | |
| PIPE DETAILS | ← 225 PVC (TYPE 1000) → | | | | | | | | | | ← 110 PVC (TYPE 1000) → | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 1300 | 1325 | 1335 | 1350 | 1365 | 1375 | 1400 | 1425 | 1450 | 1475 | 1500 | 1525 | 1530 | 1550 | 1575 | 1600 | 1625 | 1650 | 1675 | 1700 | 1725 | 1750 | 1775 | 1800 | 1825 | 1850 | 1875 | 1900 | 1925 | 1950 | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (*) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION

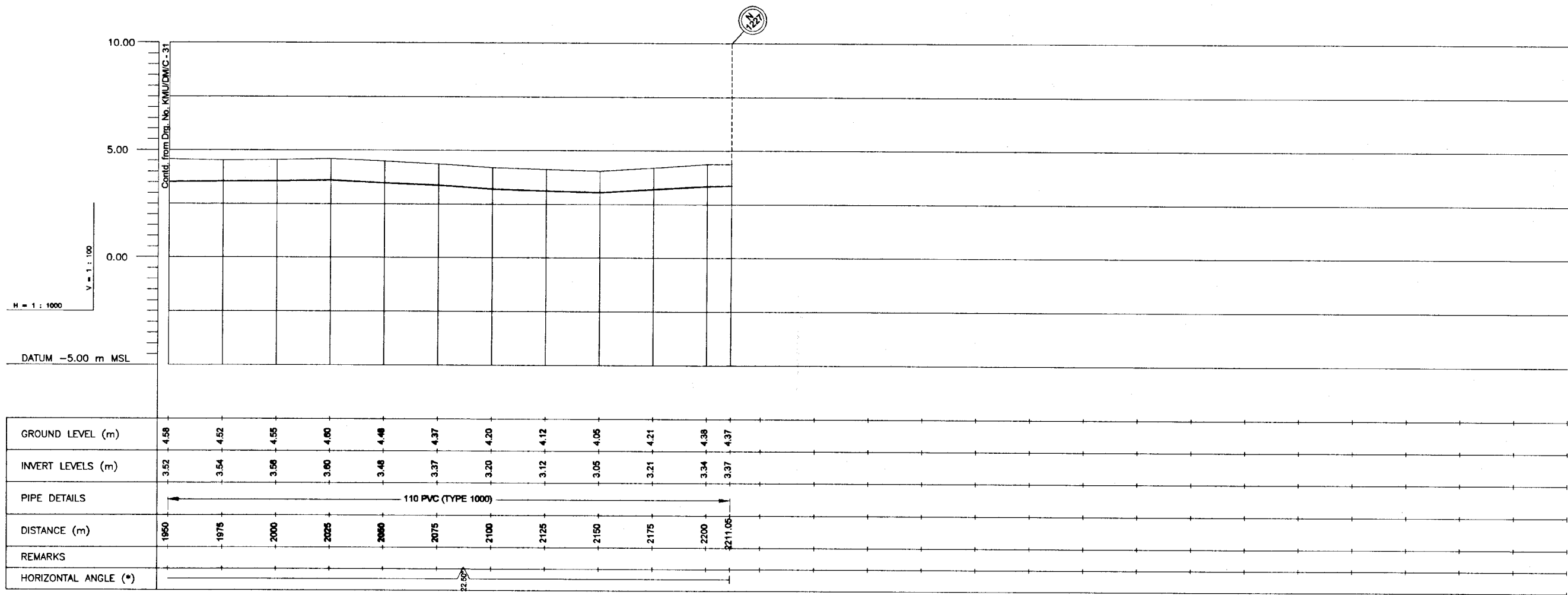


PLAN

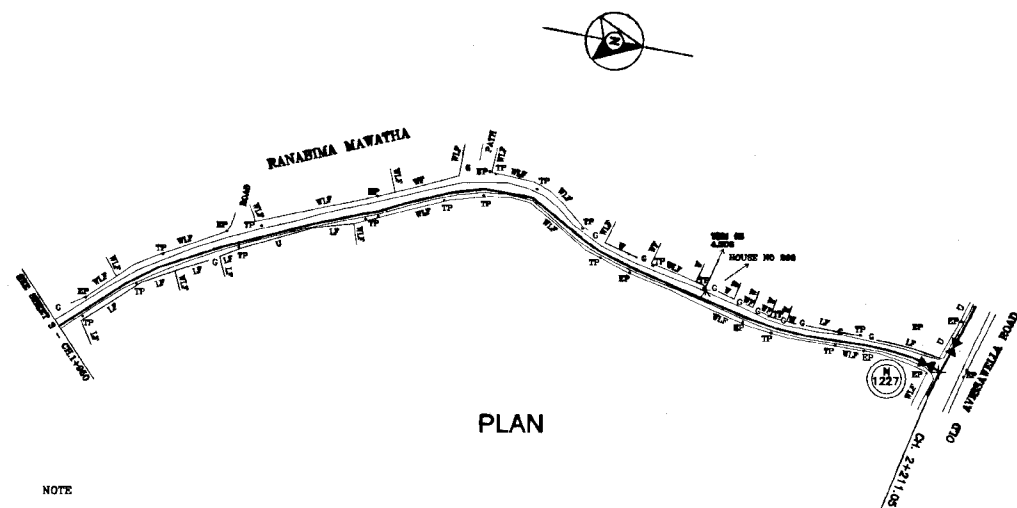
DO NOT SCALE

| | | | |
|--|--|---------------------------|---|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | SUB PROJECT: KOTIKAWATTA MULLERYAWA | | TITLE: SRI PERAKUM MAWATHA & RANABIMA MAWATHA |
| | <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> <p>NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p> | | |
| | DESIGNED: <i>ASAP/IC</i> | DRAWN: <i>ASAP/IC</i> | DATE: JAN 2001 |
| | CHECKED: <i>ASAP/IC</i> | IN CHARGE: <i>ASAP/IC</i> | CONTRACT NO: NRW/CW |
| DR. TEAM LEADER: <i>ASAP/IC</i> | A.G.M (P&D) MEMBER: <i>F. D. A. J.</i> | DRG. NO: KMU/DM/C-31 | |
| TEAM LEADER: <i>ASAP/IC</i> | D.G.M (P&D) MEMBER: <i>ASAP/IC</i> | | |

NOTE
1 FOR GENERAL NOTES, REFER DRG. NO. KMU/DM/C-1




LONGITUDINAL SECTION

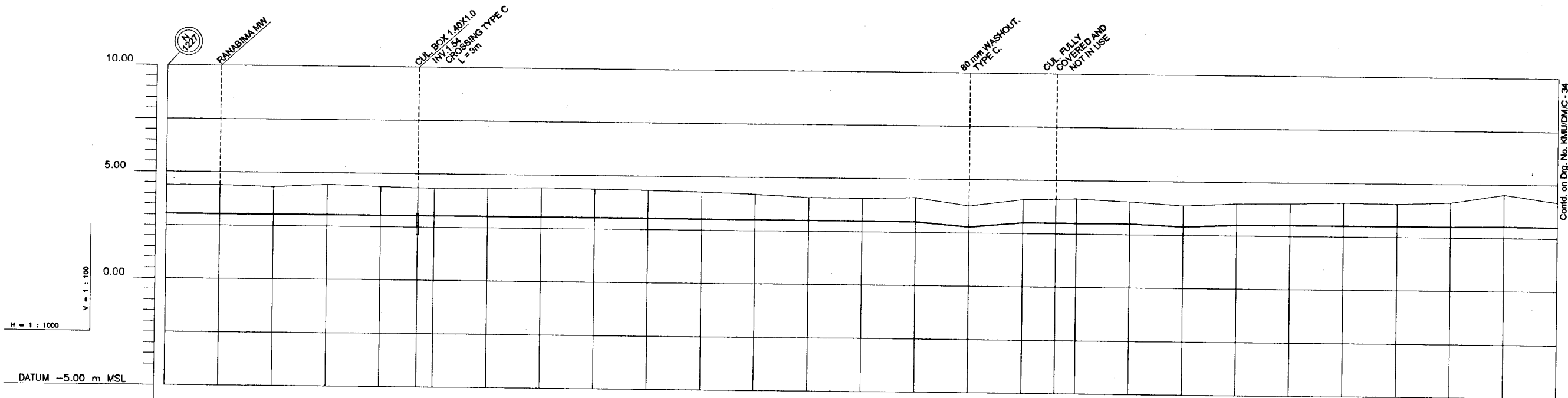


PLAN

NOTE
1. FOR GENERAL NOTES, REFER DRG. No. KMU/DM/C-1

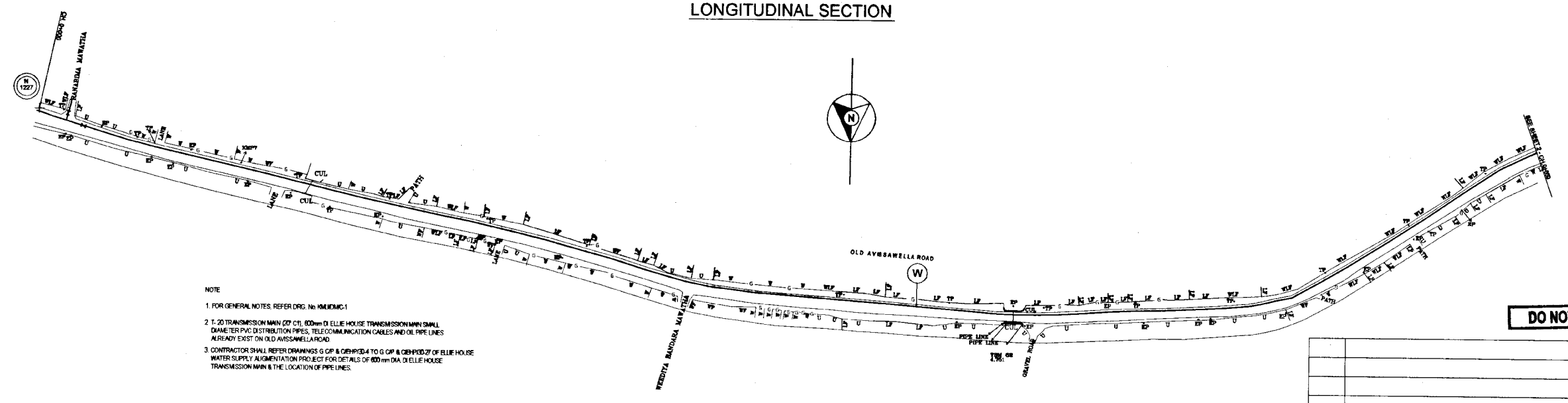
DO NOT SCALE

| | | | | |
|---|---|--|--|--|
|  NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | | TITLE: SRI PERAKUM MAWATHA & RANABIMA MAWATHA | |
| | DESIGNED: <i>W.D.A.</i> | DRAWN: <i>[Signature]</i> | DATE: JAN 2001 | |
| | CHECKED: <i>W.D.A.</i> | PM (NRW/SP) INCHG: <i>[Signature]</i> | CONTRACTOR: NRW / CW | |
| | DR. TEAM LEADER: <i>[Signature]</i> | A.G.M (P&I) INCHG: R. D. A. | DRG. NO.: KMU/DM/C/32 | |
| JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIPPON KAIWA CONSULTANTS CO. LTD., TOKYO, JAPAN | | D.G.M (P&I) INCHG: <i>[Signature]</i> | | |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---------------------|------|------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| GROUND LEVEL (m) | 4.37 | 4.37 | 4.39 | 4.32 | 4.45 | 4.38 | 4.34 | 4.33 | 4.35 | 4.41 | 4.37 | 4.33 | 4.30 | 4.21 | 4.07 | 4.08 | 4.12 | 3.78 | 4.10 | 4.13 | 4.15 | 4.04 | 3.89 | 4.00 | 4.02 | 4.08 | 4.05 | 4.14 | 4.53 | 4.18 | | |
| INVERT LEVELS (m) | 3.37 | 3.37 | 3.35 | 3.32 | 3.45 | 3.38 | 3.34 | 3.33 | 3.35 | 3.41 | 3.37 | 3.33 | 3.28 | 3.21 | 3.07 | 3.04 | 3.00 | 2.78 | 3.10 | 3.13 | 3.15 | 3.04 | 2.89 | 3.00 | 3.02 | 3.04 | 3.06 | 3.14 | 3.40 | 3.18 | | |
| PIPE DETAILS | 110 PVC (TYPE 1000) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 0 | 25 | 50 | 75 | 100 | 117.36 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 415.44 | 425 | 450 | 475 | 500 | 525 | 550 | 575 | 600 | 625 | 650 | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

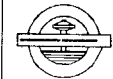
LONGITUDINAL SECTION



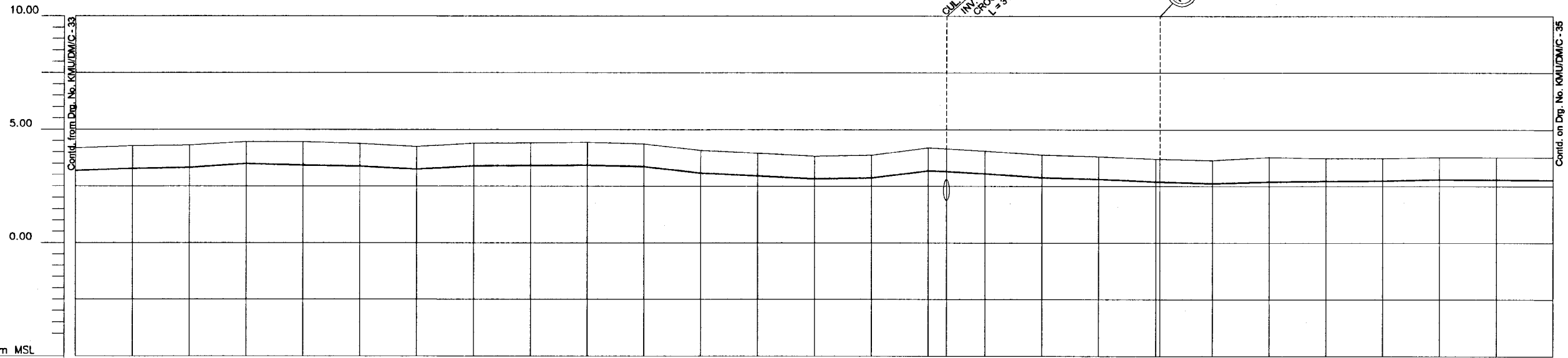
PLAN

- NOTE
- FOR GENERAL NOTES REFER DRG. No. KMJDMIC-1
 - T. 20 TRANSMISSION MAIN (Ø 21), 800mm DI. ELLIE HOUSE TRANSMISSION MAIN SMALL DIAMETER PVC DISTRIBUTION PIPES, TELECOMMUNICATION CABLES AND OIL PIPE LINES ALREADY EXIST ON OLD AVISSAWELLA ROAD
 - CONTRACTOR SHALL REFER DRAWINGS G.C.P. & G.C.P.2 TO G.C.P. & G.C.P.2 OF ELLIE HOUSE WATER SUPPLY ALIGNMENT PROJECT FOR DETAILS OF 800mm DIA. DI. ELLIE HOUSE TRANSMISSION MAIN & THE LOCATION OF PIPE LINES.

DO NOT SCALE

| | | |
|--|---|---|
|  <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | <p>SUB PROJECT: KOTIKAWATTA MULLERIYAWA</p> | <p>TITLE: OLD AVISSAWELLA ROAD</p> |
| | <p>DESIGNED: <i>[Signature]</i></p> | <p>CHECKED: <i>[Signature]</i></p> |
| <p>JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM</p> | <p>DR. TEAM LEADER: <i>[Signature]</i></p> | <p>CONTRACT NO.: NRW / CW</p> |
| <p>NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN</p> | <p>TEAM LEADER: <i>[Signature]</i></p> | <p>DWG. No.: KMU / DM / C - 33</p> |

Contd. on Drg. No. KMJDMIC - 34

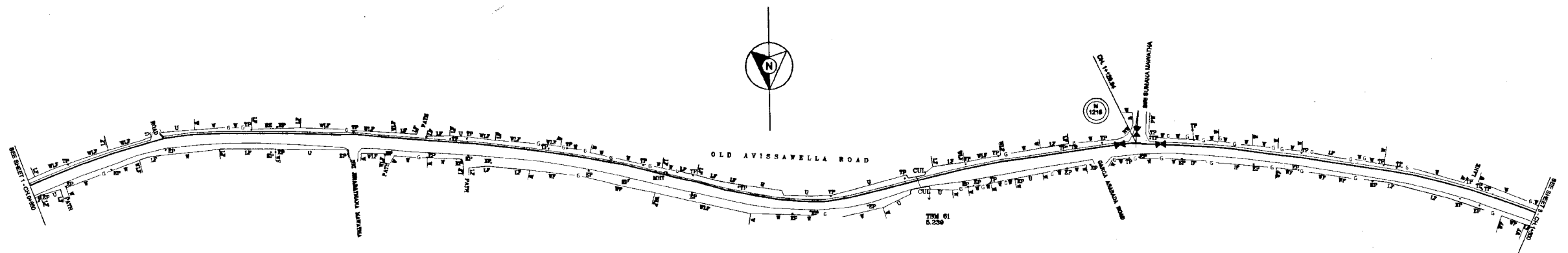


H = 1 : 1000

DATUM -5.00 m MSL

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|------|------|------|---------|------|------|------|------|------|------|------|--|--|--|
| GROUND LEVEL (m) | 4.18 | 4.27 | 4.31 | 4.46 | 4.45 | 4.37 | 4.25 | 4.39 | 4.41 | 4.42 | 4.36 | 4.07 | 3.95 | 3.82 | 3.86 | 4.18 | 4.14 | 4.05 | 3.88 | 3.81 | 3.69 | 3.68 | 3.63 | 3.78 | 3.72 | 3.73 | 3.79 | 3.77 | 3.77 | | | |
| INVERT LEVELS (m) | 3.18 | 3.27 | 3.31 | 3.46 | 3.42 | 3.37 | 3.25 | 3.36 | 3.40 | 3.42 | 3.36 | 3.07 | 2.95 | 2.82 | 2.86 | 3.18 | 3.14 | 3.05 | 2.88 | 2.81 | 2.69 | 2.68 | 2.63 | 2.70 | 2.72 | 2.73 | 2.79 | 2.78 | 2.77 | | | |
| PIPE DETAILS | 110 PVC (TYPE 1000) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 650 | 675 | 700 | 725 | 750 | 775 | 800 | 825 | 850 | 875 | 900 | 925 | 950 | 975 | 1000 | 1025 | 1033.06 | 1050 | 1075 | 1100 | 1125 | 1126.54 | 1150 | 1175 | 1200 | 1225 | 1250 | 1275 | 1300 | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION



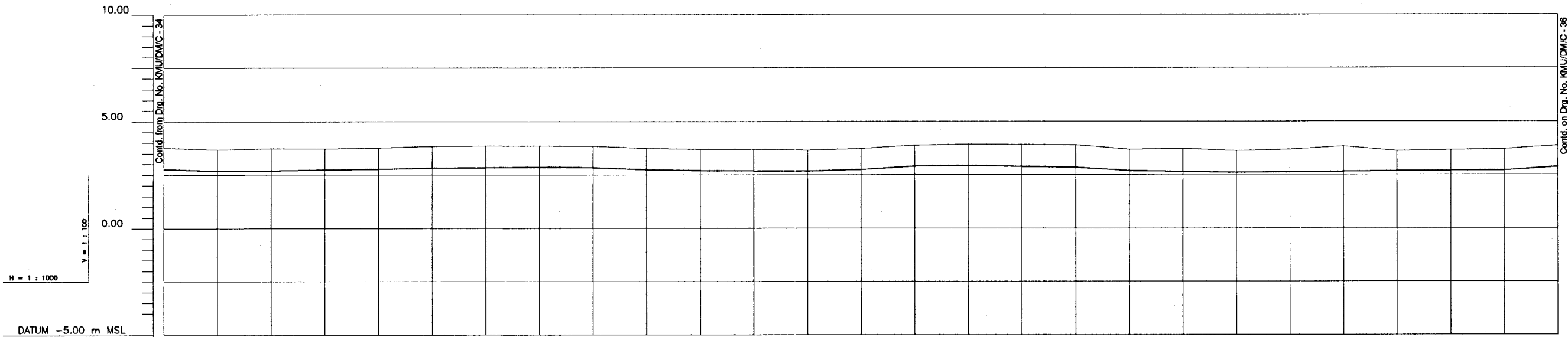
PLAN

NOTE

- FOR GENERAL NOTES, REFER DWG. No. K/MU/DM/C-1
- T. 20 TRANSMISSION MAIN (ØP Ø1), 600mm DI. ELLE HOUSE TRANSMISSION MAIN (SMALL DIAMETER PVC DISTRIBUTION PIPES, TELECOMMUNICATION CABLES AND OIL PIPE LINES ALREADY EXIST ON OLD AVISSAWELLA ROAD)
- CONTRACTOR SHALL REFER DRAWINGS Ø CP & Ø CP Ø 4 TO Ø CP Ø 4 Ø CP Ø 7 OF ELLE HOUSE WATER SUPPLY AUGMENTATION PROJECT FOR DETAILS OF ØD 110 DIA. DI. ELLE HOUSE TRANSMISSION MAIN & THE LOCATION OF PIPE LINES

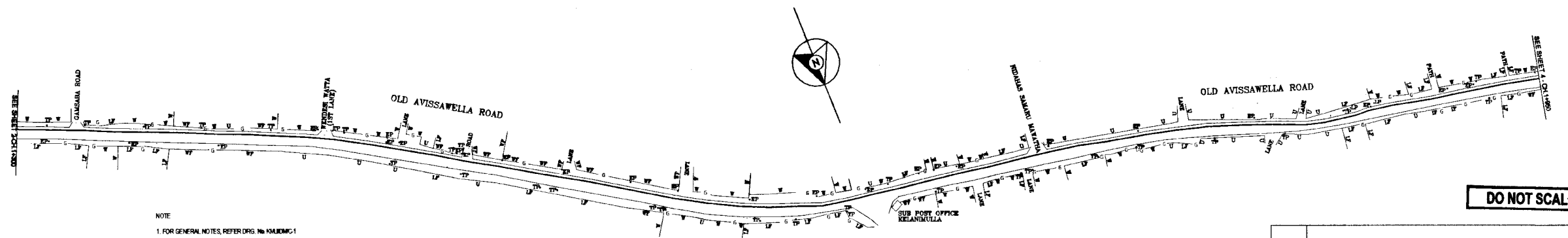
DO NOT SCALE

| | | | |
|--|---|--|---|
| | NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | TITLE: OLD AVISSAWELLA ROAD |
| | JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIKON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN | DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> BY TEAM LEADER: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i> | DRAWN: <i>[Signature]</i> P.I. (PROVISED) NUMBER: <i>[Signature]</i> A.G.M (P.D) NUMBER: <i>[Signature]</i> D.G.M (P.D) NUMBER: <i>[Signature]</i> |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| GROUND LEVEL (m) | 3.77 | 3.68 | 3.74 | 3.73 | 3.76 | 3.84 | 3.88 | 3.86 | 3.84 | 3.74 | 3.70 | 3.70 | 3.68 | 3.73 | 3.89 | 3.92 | 3.81 | 3.89 | 3.68 | 3.73 | 3.61 | 3.69 | 3.82 | 3.61 | 3.65 | 3.70 | 3.87 | |
| INVERT LEVELS (m) | 2.77 | 2.68 | 2.70 | 2.73 | 2.76 | 2.82 | 2.84 | 2.86 | 2.84 | 2.74 | 2.70 | 2.68 | 2.68 | 2.73 | 2.89 | 2.92 | 2.86 | 2.84 | 2.68 | 2.64 | 2.60 | 2.62 | 2.64 | 2.66 | 2.68 | 2.70 | 2.87 | |
| PIPE DETAILS | 110 PVC (TYPE 1000) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 1300 | 1325 | 1350 | 1375 | 1400 | 1425 | 1450 | 1475 | 1500 | 1525 | 1550 | 1575 | 1600 | 1625 | 1650 | 1675 | 1700 | 1725 | 1750 | 1775 | 1800 | 1825 | 1850 | 1875 | 1900 | 1925 | 1950 | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (*) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION

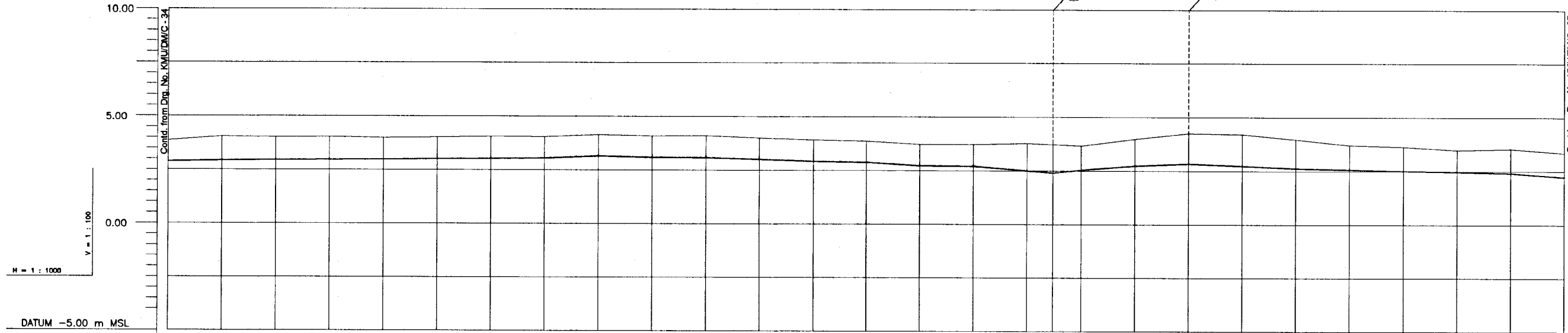


PLAN

NOTE
 1. FOR GENERAL NOTES, REFER DRG. No. KMU/DM/C-1
 2. 7.20 TRANSMISSION MAIN (ØP 110, 600mm Ø) ELIIE HOUSE TRANSMISSION MAIN SMALL DIAMETER PVC DISTRIBUTION PIPES, TELECOMMUNICATION CABLES AND OIL PIPE LINES ALREADY EXIST ON OLD AVISSAWELLA ROAD.
 3. CONTRACTOR SHALL REFER DRAWINGS G-OP & GEP-OP-4 TO G-OP & GEP-OP-7 OF ELIIE HOUSE WATER SUPPLY AUGMENTATION PROJECT FOR DETAILS OF 600 mm DIA. OF ELIIE HOUSE TRANSMISSION MAIN & THE LOCATION OF PIPE LINES.

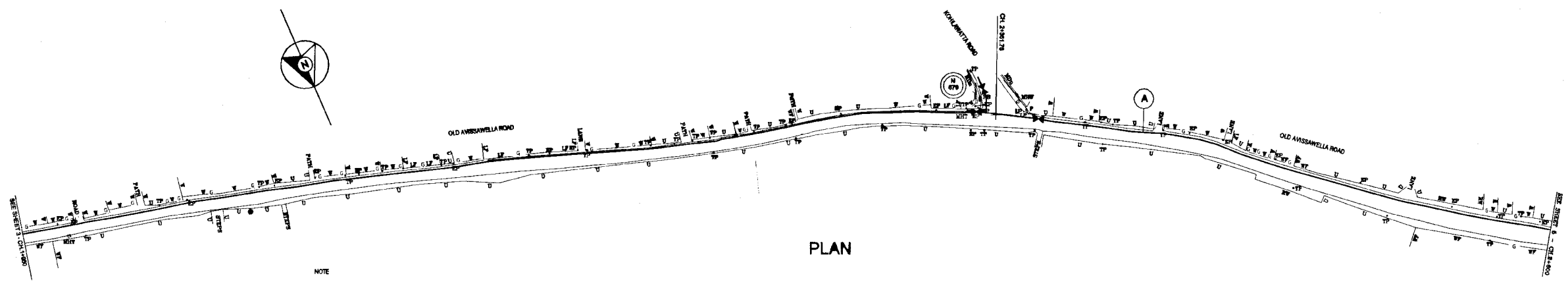
DO NOT SCALE

| | | |
|--|--|--------------------------------|
| NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: | TITLE: |
| | KOTIKAWATTA MULLERIYAWA | OLD AVISSAWELLA ROAD |
| DESIGNED: <i>[Signature]</i> | DRAWN: <i>[Signature]</i> | DATE: JAN 2001 |
| CHECKED: <i>[Signature]</i> | FM (R/RM/APS) INCHARGE: <i>[Signature]</i> | CONTRACT No: NRW / CW |
| DV. TEAM LEADER: <i>[Signature]</i> | A.G.M (P/ED) INCHARGE: <i>[Signature]</i> | DRL No: KMU / DM / C-35 |
| TEAM LEADER: <i>[Signature]</i> | O.G.M (P/ED) INCHARGE: <i>[Signature]</i> | |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------|------|---------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| GROUND LEVEL (m) | 3.87 | 4.04 | 4.02 | 4.03 | 3.98 | 4.01 | 4.06 | 4.04 | 4.14 | 4.09 | 4.10 | 4.00 | 3.92 | 3.87 | 3.72 | 3.73 | 3.78 | 3.73 | 3.66 | 3.99 | 4.28 | 4.22 | 3.97 | 3.70 | 3.64 | 3.49 | 3.54 | 3.36 | | | | |
| INVERT LEVELS (m) | 2.87 | 2.92 | 2.94 | 2.96 | 2.98 | 3.00 | 3.02 | 3.04 | 3.14 | 3.09 | 3.07 | 3.00 | 2.92 | 2.87 | 2.72 | 2.70 | 2.90 | 2.40 | 2.53 | 2.73 | 2.83 | 2.73 | 2.62 | 2.57 | 2.51 | 2.46 | 2.41 | 2.23 | | | | |
| PIPE DETAILS | 110 PVC (TYPE 1000) | | | | | | | | | | | | | | | 225 PVC (TYPE 1000) | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 1850 | 1975 | 2000 | 2025 | 2050 | 2075 | 2100 | 2125 | 2150 | 2175 | 2200 | 2225 | 2250 | 2275 | 2300 | 2325 | 2350 | 2381.76 | 2375 | 2400 | 2425 | 2450 | 2475 | 2500 | 2525 | 2550 | 2575 | 2600 | | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION

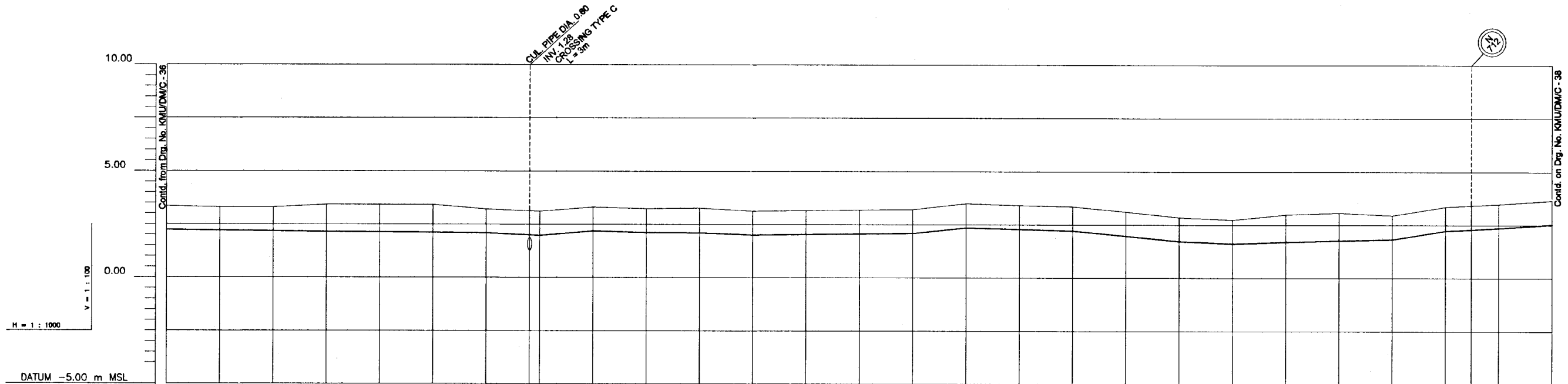


PLAN

- NOTE
- FOR GENERAL NOTES, REFER DRG. NO. KMU/DM/C-1
 - 7.20 TRANSMISSION MAIN (Ø7 C1), 600mm Ø ELIE HOUSE TRANSMISSION MAIN SMALL DIAMETER PVC DISTRIBUTION PIPES, TELECOMMUNICATION CABLES AND OIL PIPE LINES ALREADY EXIST ON OLD AVISSAWELLA ROAD.
 - CONTRACTOR SHALL REFER DRAWINGS G-OP & GEP-PC-4 TO G-OP & GEP-PC-7 OF ELIE HOUSE WATER SUPPLY ALIGNMENT PROJECT FOR DETAILS OF 600mm DIA. DI. ELIE HOUSE TRANSMISSION MAIN & THE LOCATION OF PIPE LINES.

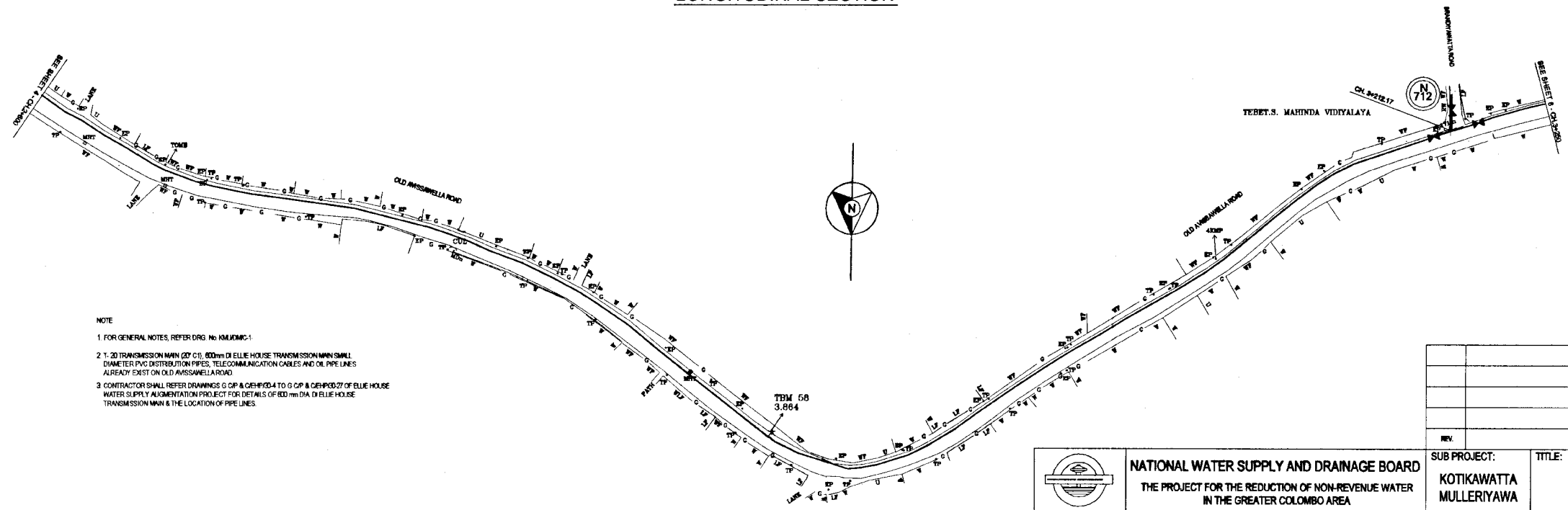
DO NOT SCALE

| | | |
|---|----------------------------|----------------------|
| NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: | TITLE: |
| | KOTIKAWATTA MULLERIYAWA | OLD AVISSAWELLA ROAD |
| JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIHON SUDO CONSULTANTS CO. LTD., TOKYO, JAPAN | DESIGNED: | DATE: |
| | CHECKED: | JAN 2001 |
| | BY: TEAM LEADER: | CORRECTED BY: |
| | TEAM LEADER: | NRW / CW |
| | | KMU / DM / C - 36 |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|-------------------------|------|------|------|------|------|------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|------|------|--|--|--|
| GROUND LEVEL (m) | 3.36 | 3.31 | 3.30 | 3.43 | 3.43 | 3.43 | 3.22 | 3.13 | 3.11 | 3.32 | 3.25 | 3.27 | 3.14 | 3.16 | 3.19 | 3.22 | 3.49 | 3.41 | 3.35 | 3.11 | 2.85 | 2.74 | 3.00 | 3.07 | 2.85 | 3.38 | 3.42 | 3.49 | 3.65 | | | |
| INVERT LEVELS (m) | 2.23 | 2.20 | 2.17 | 2.15 | 2.13 | 2.11 | 2.09 | 1.98 | 1.98 | 2.19 | 2.12 | 2.10 | 2.01 | 2.03 | 2.06 | 2.09 | 2.36 | 2.28 | 2.22 | 1.98 | 1.72 | 1.81 | 1.70 | 1.78 | 1.82 | 2.23 | 2.29 | 2.36 | 2.52 | | | |
| PIPE DETAILS | ← 225 PVC (TYPE 1000) → | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 2600 | 2625 | 2650 | 2675 | 2700 | 2725 | 2750 | 2770.24 | 2775 | 2800 | 2825 | 2850 | 2875 | 2900 | 2925 | 2950 | 2975 | 3000 | 3025 | 3050 | 3075 | 3100 | 3125 | 3150 | 3175 | 3200 | 3212.17 | 3225 | 3250 | | | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION

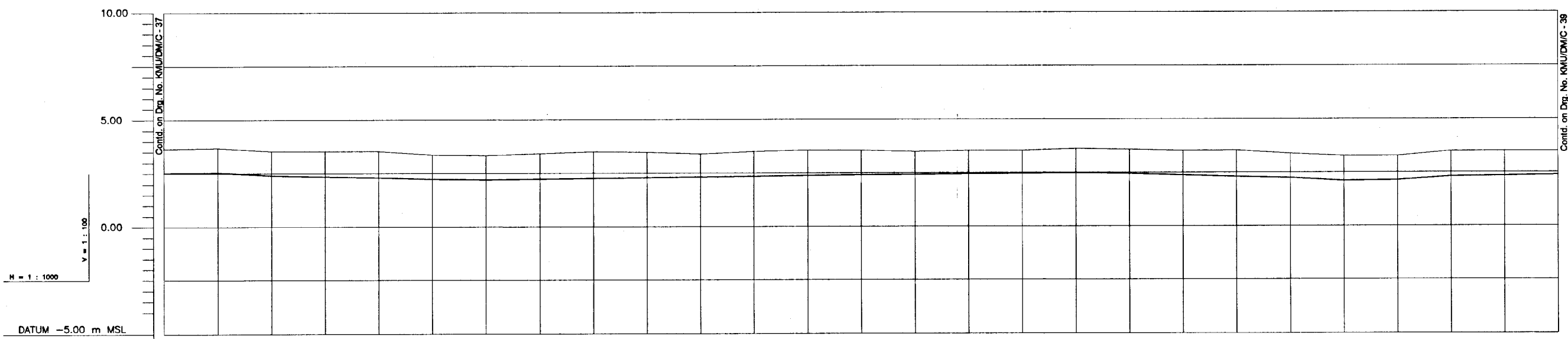


NOTE
 1. FOR GENERAL NOTES, REFER DRG. No. KMJ/DM/C-36
 2. 1.20 TRANSMISSION MAIN (ØP Ø110) 800mm DI ELLIE HOUSE TRANSMISSION MAIN (ØMØL DIAMETER) PVC DISTRIBUTION PIPES, TELECOMMUNICATION CABLES AND OIL PIPE LINES ALREADY EXIST ON OLD AVISSAWELLA ROAD
 3. CONTRACTOR SHALL REFER DRAWINGS G-ØP & G-ØHØD-4 TO G-ØP & G-ØHØD-27 OF ELLIE HOUSE WATER SUPPLY AUGMENTATION PROJECT FOR DETAILS OF 800mm DIA. DI ELLIE HOUSE TRANSMISSION MAIN & THE LOCATION OF PIPE LINES

DO NOT SCALE

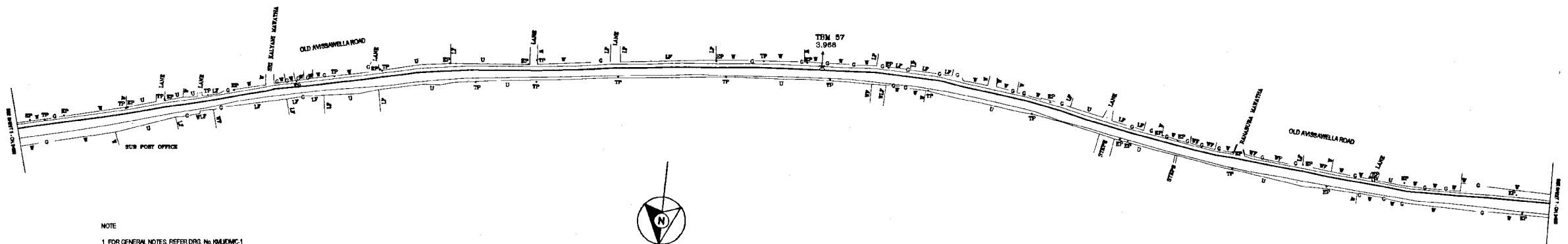
| | | |
|---|---|--|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | TITLE: OLD AVISSAWELLA ROAD |
| | DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> BY: TEAM LEADER TEAM LEADER: <i>[Signature]</i> | DRAWN: <i>[Signature]</i> IN CHARGE: <i>[Signature]</i> A.S.M. PRED. INSUR: <i>[Signature]</i> C.S.M. PRED. INSUR: <i>[Signature]</i> |

PLAN



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| GROUND LEVEL (m) | 3.65 | 3.68 | 3.63 | 3.53 | 3.52 | 3.36 | 3.33 | 3.43 | 3.50 | 3.47 | 3.39 | 3.51 | 3.56 | 3.54 | 3.49 | 3.53 | 3.62 | 3.58 | 3.51 | 3.53 | 3.38 | 3.28 | 3.28 | 3.49 | 3.49 | 3.50 | | |
| INVERT LEVELS (m) | 2.52 | 2.55 | 2.40 | 2.35 | 2.30 | 2.23 | 2.20 | 2.23 | 2.26 | 2.28 | 2.32 | 2.35 | 2.38 | 2.40 | 2.42 | 2.44 | 2.46 | 2.49 | 2.44 | 2.38 | 2.31 | 2.25 | 2.10 | 2.13 | 2.30 | 2.33 | 2.37 | |
| PIPE DETAILS | 225 PVC (TYPE 1000) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 3250 | 3275 | 3300 | 3325 | 3350 | 3375 | 3400 | 3425 | 3450 | 3475 | 3500 | 3525 | 3550 | 3575 | 3600 | 3625 | 3650 | 3675 | 3700 | 3725 | 3750 | 3775 | 3800 | 3825 | 3850 | 3875 | 3900 | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (*) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION



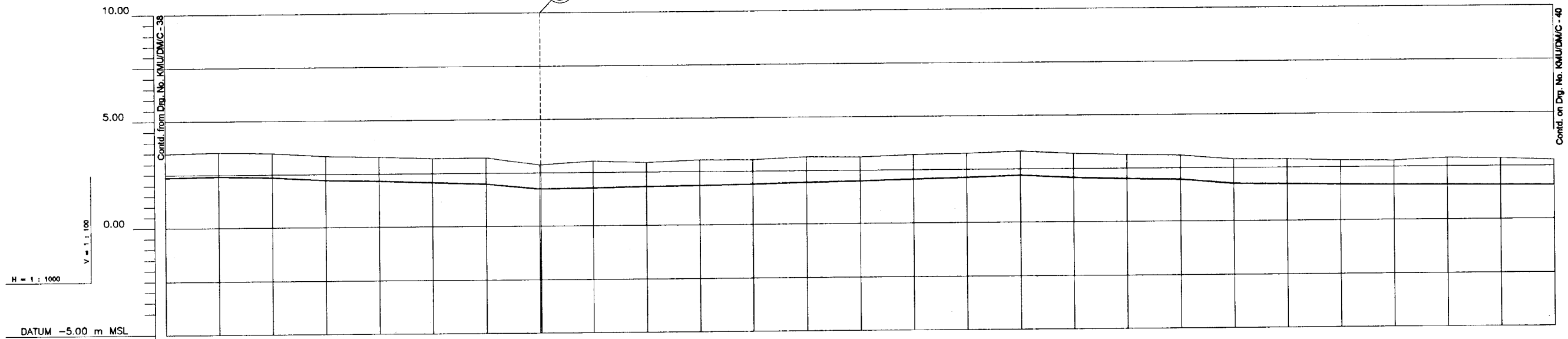
- NOTE
- FOR GENERAL NOTES, REFER DRS No. KMJ/DM/C-1
 - 7.20 TRANSMISSION MAIN (Ø7 C1), 100mm Ø ELITE HOUSE TRANSMISSION MAIN SMALL DIAMETER PVC DISTRIBUTION PIPES, TELECOMMUNICATION CABLES AND OIL PIPELINES ALREADY EXIST ON OLD AVISSAWELLA ROAD.
 - CONTRACTOR SHALL REFER DRAWINGS G-OP & C-OP-4 TO G-OP & C-OP-7 OF ELITE HOUSE WATER SUPPLY ALIGNMENT PROJECT FOR DETAILS OF 100mm DIA DI ELITE HOUSE TRANSMISSION MAIN & THE LOCATION OF PIPELINES.

PLAN

DO NOT SCALE

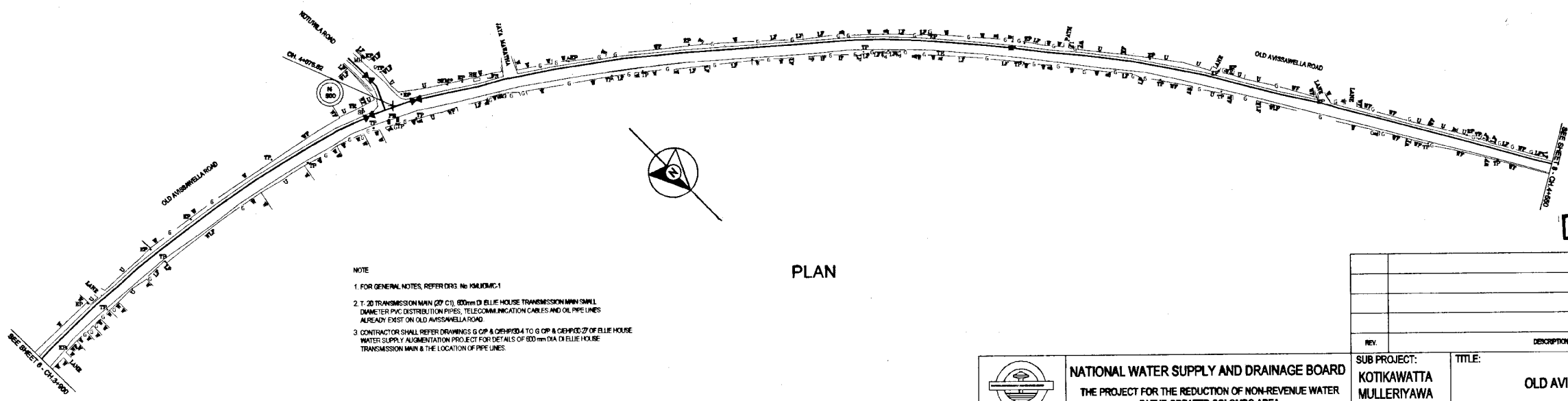
| | | |
|--|---|--|
| <p>NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA</p> | <p>SUB PROJECT: KOTIKAWATTA MULLERIYAWA</p> | <p>TITLE: OLD AVISSAWELLA ROAD</p> |
| | <p>DATE: JAN 2001</p> | |
| <p>DESIGNED: <i>soesika</i></p> | <p>DRAWN: <i>shy</i></p> | <p>CHECKED: <i>soesika</i></p> |
| <p>BY TEAM LEADER: <i>[Signature]</i></p> | <p>A.A.M (PMD) INCHARGE: <i>[Signature]</i></p> | <p>CONTRACT NO: NRW/CW</p> |
| <p>TEAM LEADER: <i>[Signature]</i></p> | <p>C.O.M (PMD) INCHARGE: <i>[Signature]</i></p> | <p>DWG. NO: KMJ/DM/C-38</p> |

Contd. on Dwg. No. KMU/DM/C-40




| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| GROUND LEVEL (m) | 3.50 | 3.55 | 3.49 | 3.35 | 3.29 | 3.21 | 3.22 | 2.88 | 3.05 | 2.95 | 3.05 | 3.03 | 3.16 | 3.13 | 3.21 | 3.25 | 3.34 | 3.21 | 3.14 | 3.09 | 2.89 | 2.88 | 2.81 | 2.78 | 2.89 | 2.86 | 2.78 | |
| INVERT LEVELS (m) | 2.37 | 2.42 | 2.36 | 2.22 | 2.16 | 2.08 | 2.00 | 1.75 | 1.79 | 1.82 | 1.86 | 1.90 | 1.95 | 2.00 | 2.06 | 2.12 | 2.21 | 2.08 | 2.01 | 1.98 | 1.76 | 1.72 | 1.68 | 1.66 | 1.64 | 1.62 | 1.60 | |
| PIPE DETAILS | 225 PVC (TYPE 1000) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCE (m) | 3900 | 3925 | 3950 | 3975 | 4000 | 4025 | 4050 | 4075 | 4100 | 4125 | 4150 | 4175 | 4200 | 4225 | 4250 | 4275 | 4300 | 4325 | 4350 | 4375 | 4400 | 4425 | 4450 | 4475 | 4500 | 4525 | 4550 | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

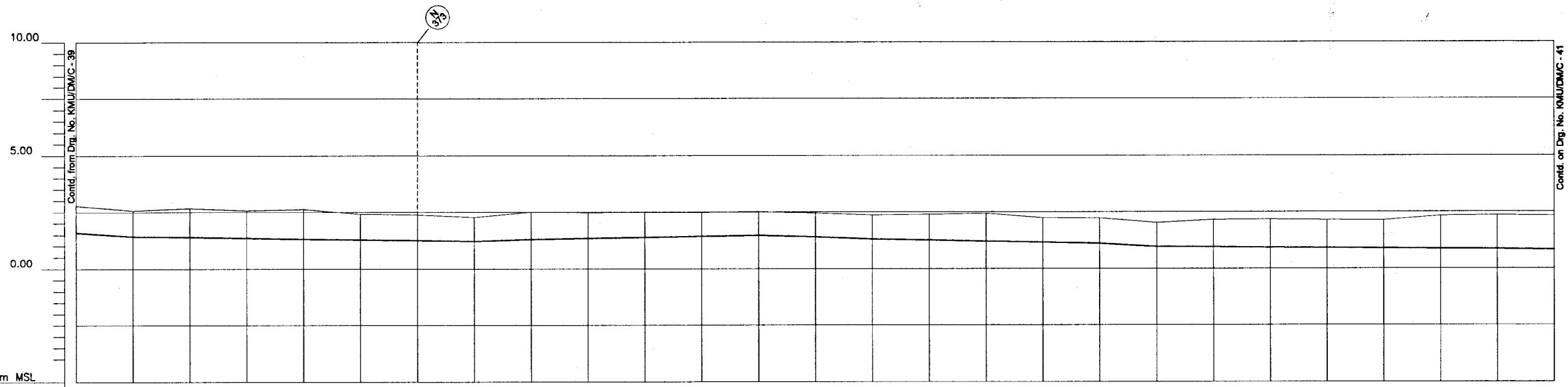
LONGITUDINAL SECTION



PLAN

- NOTE
- FOR GENERAL NOTES, REFER DRS No. KMU/DM/C-1
 - 1.25 TRANSMISSION MAIN (Ø 215), 800mm DI BLUE HOUSE TRANSMISSION MAIN SMALL DIAMETER PVC DISTRIBUTION PIPES, TELECOMMUNICATION CABLES AND OIL PIPE LINES ALREADY EXIST ON OLD AVISSAWELLA ROAD.
 - CONTRACTOR SHALL REFER DRAWINGS G-OP & GEP-1004 TO G-OP & GEP-1027 OF BLUE HOUSE WATER SUPPLY AUGMENTATION PROJECT FOR DETAILS OF 800mm DIA DI BLUE HOUSE TRANSMISSION MAIN & THE LOCATION OF PIPE LINES.

| | | | | |
|---|---|------------------------------|------------------------------------|--|
|  NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | | TITLE: OLD AVISSAWELLA ROAD | |
| | DESIGNED: <i>[Signature]</i> | | DATE: JAN 2001 | |
| CHECKED: <i>[Signature]</i> | | CONTRACT NO: NRW / CW | | |
| DT. TEAM LEADER: <i>[Signature]</i> | | DRG. NO: KMU/DM/C-39 | | |
| TEAM LEADER: <i>[Signature]</i> | | | | |



Cont'd. on Dwg. No. KMU/DM/C-41

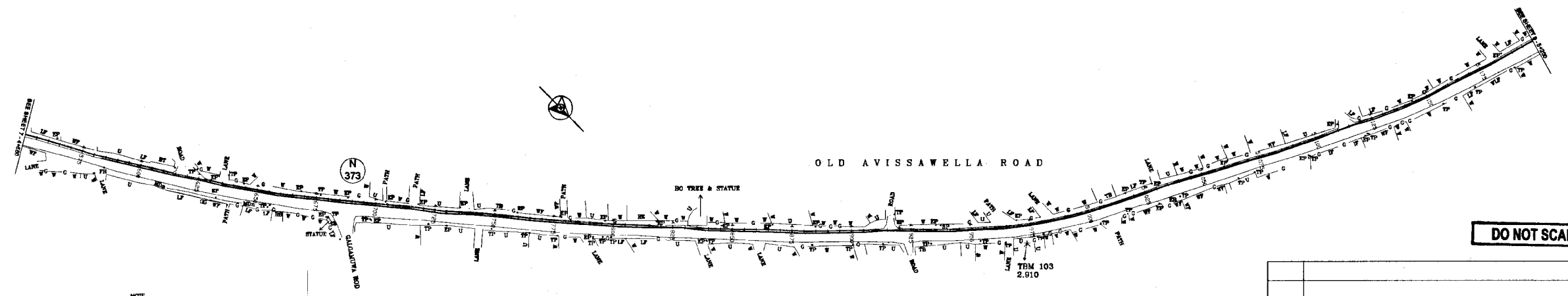
H = 1 : 1000

V = 1 : 100

DATUM -5.00 m MSL


| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------------|------|------|------|------|------|----------------|------|------|------|------|------|------|--|
| GROUND LEVEL (m) | 2.78 | 2.56 | 2.66 | 2.57 | 2.62 | 2.41 | 2.38 | 2.27 | 2.49 | 2.46 | 2.48 | 2.52 | 2.45 | 2.38 | 2.39 | 2.43 | 2.23 | 2.21 | 2.02 | 2.14 | 2.16 | 2.13 | 2.11 | 2.32 | 2.34 | 2.31 | | |
| INVERT LEVELS (m) | 1.60 | 1.43 | 1.38 | 1.35 | 1.31 | 1.28 | 1.25 | 1.21 | 1.30 | 1.34 | 1.38 | 1.42 | 1.46 | 1.39 | 1.30 | 1.25 | 1.20 | 1.15 | 1.10 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.88 | 0.84 | 0.82 | |
| PIPE DETAILS | ← 225 PVC (TYPE 1000) → | | | | | | | | | | | | | | ← 160 PVC (TYPE 1000) → | | | | | | | | | | | | | |
| DISTANCE (m) | 4550 | 4575 | 4600 | 4625 | 4650 | 4675 | 4700 | 4725 | 4750 | 4775 | 4800 | 4825 | 4850 | 4875 | 4900 | 4925 | 4950 | 4975 | 5000 | 5025 | 5050 | 5075 | 5100 | 5125 | 5150 | 5175 | 5200 | |
| REMARKS | | | | | | | | | | | | | | | | | | | | | TYPE C BEDDING | | | | | | | |
| HORIZONTAL ANGLE (°) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION



- NOTE
- FOR GENERAL NOTES, REFER DRG. NO. KMU/DM/C-1
 1. 20 TRANSMISSION MAIN (Ø 100 mm) DI ELLIE HOUSE TRANSMISSION MAIN SHALL DIAMETER PVC DISTRIBUTION PIPES, TELECOMMUNICATION CABLES AND OIL PIPE LINES ALREADY EXIST ON OLD AVISSAWELLA ROAD
 - CONTRACTOR SHALL REFER DRAWINGS G-OP & C&E-1004 TO G-OP & C&E-1007 OF ELLIE HOUSE WATER SUPPLY ALIGNMENT PROJECT FOR DETAILS OF 600 mm DIA. DI ELLIE HOUSE TRANSMISSION MAIN & THE LOCATION OF PIPE LINES

PLAN

| | | | |
|---|---|---|--|
|  NATIONAL WATER SUPPLY AND DRAINAGE BOARD THE PROJECT FOR THE REDUCTION OF NON-REVENUE WATER IN THE GREATER COLOMBO AREA | SUB PROJECT: KOTIKAWATTA MULLERIYAWA | | TITLE: OLD AVISSAWELLA ROAD |
| | JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STUDY TEAM NIHON SUIDO CONSULTANTS CO. LTD., TOKYO, JAPAN | | SHEET NO. OF 3 JAN 2001 NRW / CW KMU / DM / C - 40 |
| DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> DR. TEAM LEADER: <i>[Signature]</i> TEAM LEADER: <i>[Signature]</i> | DRAWN: <i>[Signature]</i> PM (NRW/S&P) INVOICE: <i>[Signature]</i> A.&M (P&I) INVOICE: <i>[Signature]</i> D.&M (P&I) INVOICE: <i>[Signature]</i> | DATE: JAN 2001 CONTRACTING: NRW / CW DRG. NO.: KMU / DM / C - 40 | REV. DESCRIPTION |