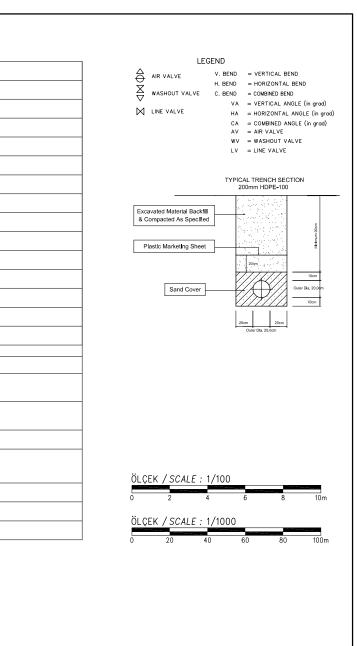
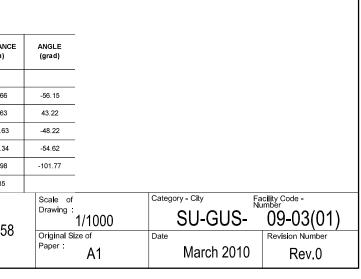
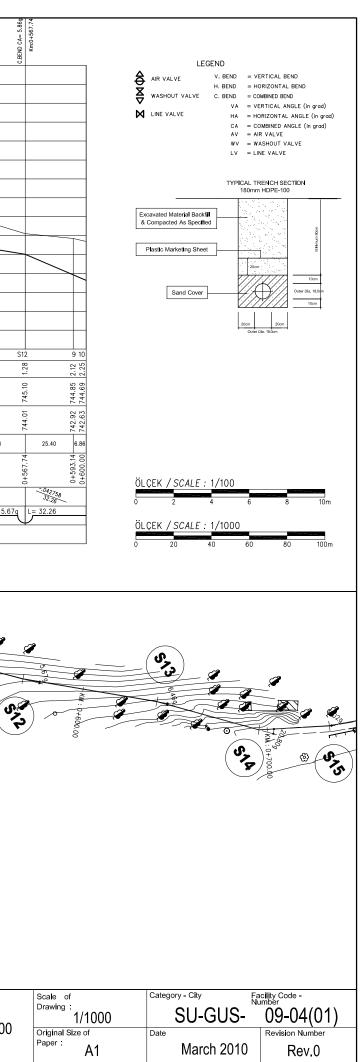
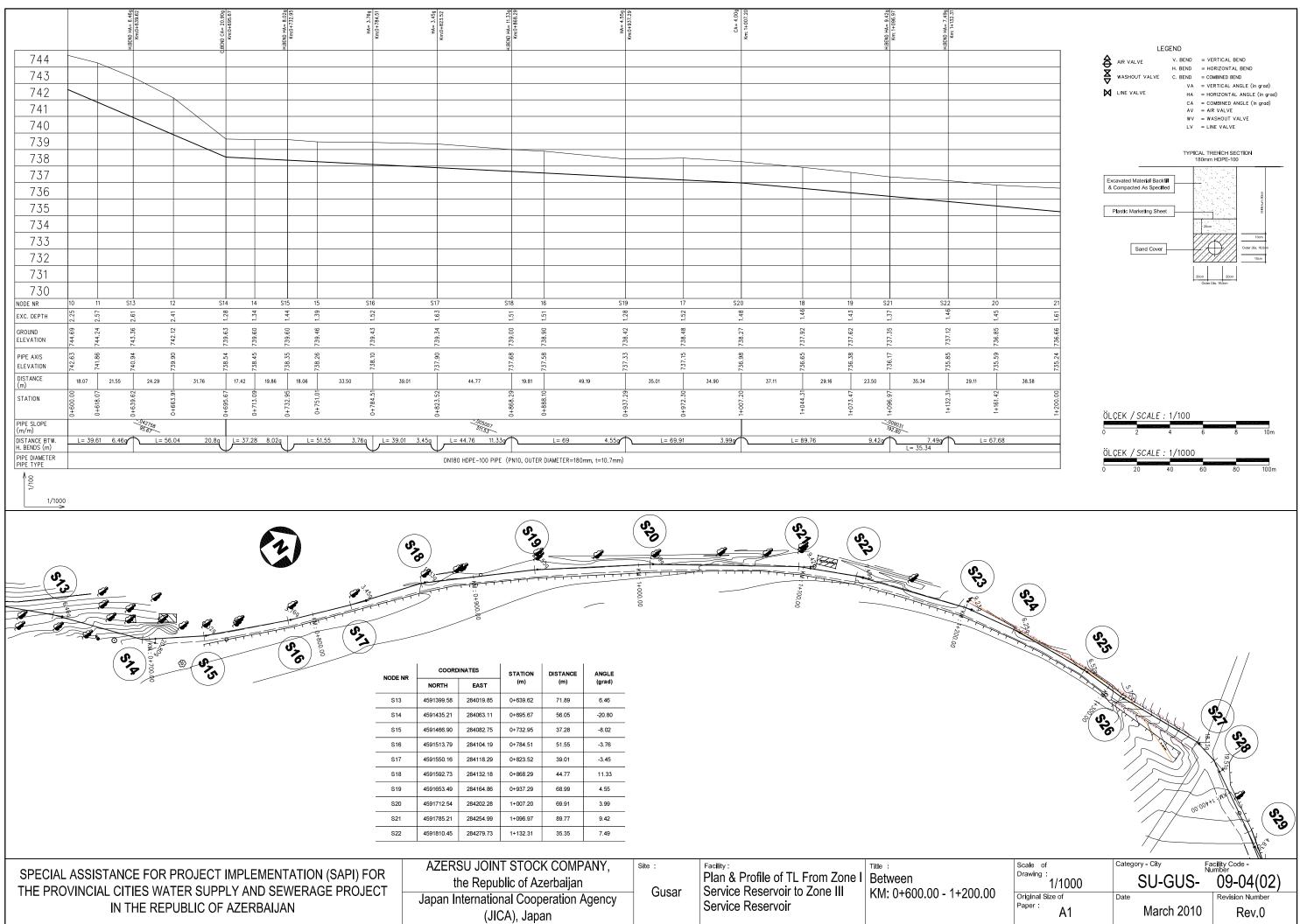
| S TART OF LINE<br>S TART OF LINE<br>Km0-0000.79<br>Km0-0000.79<br>Km0-1000.70<br>Km0-1000.79<br>Km0-1000.79<br>Km0-105.60<br>LBEND HA= 48.229<br>Km0-150.92<br>Km0-150.92  | VA= 4.099<br>Km0+237.00<br>Km0+255.629<br>Km0+255.62<br>Km0+255.62<br>Km0+255.62<br>Km0+255.58<br>Km0+281.23<br>Km0+281.23<br>Km0+285.58   |   |  |           |                      |                 |
|--|--|---|--|-----------|----------------------|-----------------|
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| 767     75X     74       766     756     74  |  |   |  |           |                      |                 |
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| 765 755 74   |  |   |  |           |                      |                 |
|  |  |   |  |           |                      |                 |
| 763 753 74   |  |   |  |           |                      |                 |
| 762     752     74       761     751     73  |  |   |  |           |                      |                 |
|  |  |   |  |           |                      |                 |
| 759 749 73   |  |   |  |           |                      |                 |
| 758 748 73   | 6 WV-1 V   |   |  |           |                      |                 |
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| 755     1     745     1     73       NODE NR     0     1     2     3     52     4     5     6     7     8     9     10     13     14     15  | 1617 18 19 20 21 22 23 S4 24 25 S5 26  |   |  |           |                      |                 |
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|  | 743.74<br>743.74<br>743.74<br>743.74<br>739.74<br>739.14<br>738.32<br>737.35<br>737.35<br>737.35<br>737.35<br>737.35<br>737.35<br>737.35<br>737.35<br>737.35<br>737.35   |   |  |           |                      |                 |
| DISTANCE 9.79 8.89 12.40 6.23 48.15 18.16 8.04 11.05 6.92 9.80 8.28 5.25.93 9.66 8.18 8.74 8.70 11.68  | 4.05<br>7.63 5.31 11.36 4.84 9.37 5.50 7.11 14.90 3.96   |   |  |           |                      |                 |
| 0+100.00<br>0+1016.66<br>0+1016.66<br>0+1016.66<br>0+1016.66<br>0+101.60<br>0+101.60<br>0+102.64<br>0+120.69<br>0+120.69<br>0+120.69<br>0+120.69<br>0+120.69<br>0+120.69<br>0+120.69<br>0+120.69<br>0+120.69<br>0+120.69<br>0+156.81<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.85<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55<br>0+156.55   | 0+203.81-<br>0+205.86-<br>0+215.98-<br>0+220.80-<br>0+232.06-<br>0+232.05-<br>0+232.05-<br>0+235.26-<br>0+285.26-<br>0+2815.58-<br>0+285.58-<br>0+285.58-<br>0+285.58-   |   |  |           |                      |                 |
| STATION     0.000-00   | → → → → → → → → → → → → → → → → → → →  |   |  |           |                      |                 |
| - tet. 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10   | <u>-064566</u><br>9027<br>3 54.62g101.77g  |   |  |           |                      |                 |
| H. BENDS (m) $L = 16.6$ $L = 18.63$<br>PIPE DIAMETER DN200 HDPE_100 DIPE (DN6 OUTER DIAMETER 200mm +-7 3mm)  | L= 25.97 4.34  |   |  |           |                      |                 |
|  |  |   |  |           |                      |                 |
| ∑<br>1/1000  |  |   |  |           |                      |                 |
|  |  |   |  |           |                      |                 |
|  |  |   |  |           |                      |                 |
| LWL = 770.0 m  |  |   |  |           |                      |                 |
|  |  |   |  |           |                      |                 |
|  |  |   |  |           |                      |                 |
| <b>\$1 \$2 \$2</b>   |  |   |  |           |                      |                 |
| S1   |  |   |  |           |                      |                 |
|  |  | $\times$                                  |  |           |                      |                 |
|  |  | $\bigwedge \bigwedge / \bigwedge / / / /$ |  |           |                      |                 |
|  | E IV<br>RVOIR  |   |  |           |                      |                 |
| Live =1  | 39.8 m   |   |  |           |                      |                 |
|  |  |   |  |           |                      | 1               |
|  |  |   | NODE NR NORTH  | EAST      | STATION<br>(m)       | DISTANCE<br>(m) |
|  |  |   | 0 4590871.17   |           | 0+000.00             |                 |
|  | #  |   | S1 4590858.78  |           | 0+016.66             | 16.66           |
|  | SS SS  |   | S2 4590859.60  | 283776.07 | 0+035.29             | 18.63           |
| \$3 * 5  | SS<br>SS   |   | S3 4590791.00  |           | 0+150.92             | 115.63          |
| V/////////////////////////////////////   |  | // \$//,                                  | S4 4590803.73  |           | 0+255.26             | 104.34          |
|  | <b>S4 S4</b>   |   | S5     4590825.3 <sup>-1</sup> 26     4590827.63 <sup>-1</sup> |           | 0+281.23<br>0+285.58 | 25.98<br>4.35   |
|  | AZERSU JOINT STOCK COMPANY,  | Site : Facility :                         |  | Title :   | 5.200.00             | 4.00            |
| SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR   | the Republic of Azerbaijan   | Plan & Profile o                          |  | Between   |                      |                 |
| THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT<br>IN THE REPUBLIC OF AZERBAIJAN   | Japan International Cooperation Agency   | Gusar Zone I Service I<br>Zone II Service |  | KM: 0+00  | JO.UO - 0.           | +200.08         |
|  | (JICA), Japan  |   |  |           |                      |                 |
|  |  |   |  |           |                      |                 |



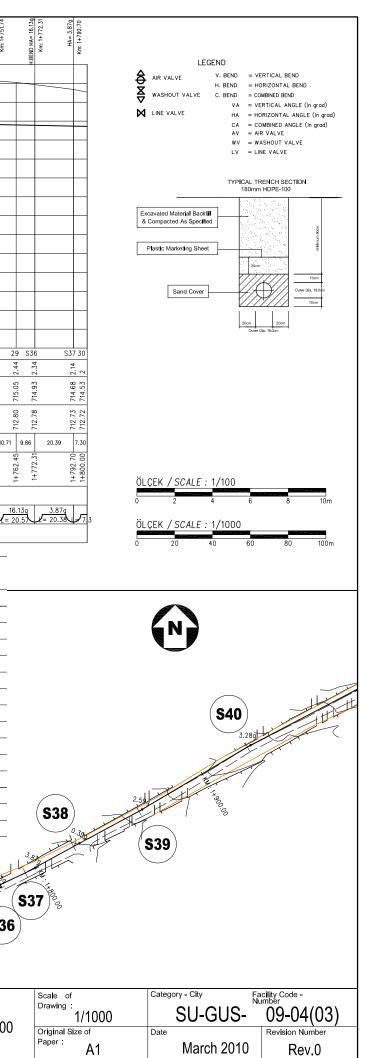


| i.  | BEND HAE 97.129<br>Km:0+000.00<br>BEND HAE 97.129<br>Km:0+014.71                      | END HA= 32.559<br>Km:0+036.31<br>BEND CA= 6.48q | Km:0+055.81<br>HA= 3.45a                         | Km:0+081.29     | 0 HA= 24.63g<br>Km:0+117.42 | 10 HA= 28.56g | Km:0+161.46 | VA= 4.58g  | Km:0+204.62<br>ND HA= 8.67a | Km:0+226.39        | ND HA= 12.339<br>Km:0+262.20      | END HA= 8.4a             | Km:0+318.28  |            |   | 4D CA= 17.66g<br>Km:0+407.47   |  |  | BEND HA= 22.59 <u>0</u>   | Km:0+491.95   |           |
|---|---|---|--|-----------------|-----------------------------|---------------|-------------|------------|-----------------------------|--------------------|-----------------------------------|--------------------------|--------------|------------|---|--|--|--|---|---|-----------|
| 773   | "HBEN   | C.BEN   |  |                 | H                           | HIBENC        |             |            | HBFA                        | 763                | s<br>n<br>r                       | 8.H                      |              | 753        |   | C.BEND   |  |  | H.BENC  |   |           |
| 772   |   |   |  |                 |                             |               |             |            |                             | 762                |                                   |                          |              | 752        |   |  |  |  |   |   |           |
| 771   |   |   | -  |                 |                             |               |             |            |                             | 781                |                                   |                          |              | 751        | <b>\</b>  |  |  |  |   |   |           |
| 770   |   |   |  |                 |                             |               |             |            |                             | 760                |                                   |                          |              | 750        |   |  |  |  |   |   |           |
| 769   |   |   |  |                 |                             |               |             |            |                             | 759 🔪              |                                   |                          |              | 749        | $\backslash$  |  |  |  |   |   |           |
| 768   |   |   |  |                 |                             |               |             |            |                             | 758                |                                   |                          |              | 748        |   | $\rightarrow$  |  |  |   |   |           |
| 767   |   | $\searrow$                                      |  |                 |                             |               | <u> </u>    |            |                             | 757                |                                   |                          |              | 747        |   | $\searrow$   |  |  |   |   |           |
| 766   |   |   |  |                 |                             |               |             | $\searrow$ |                             | 756                |                                   | $\leftarrow$             |              | 746        |   |  |  |  |   |   | _         |
| 765<br>764  |   |   |  |                 |                             |               | _           |            |                             | 755<br>754         |                                   | $\vdash$                 |              | 745<br>744 |   |  |  |  |   |   |           |
| 763   |   |   |  |                 |                             |               |             |            | $\overline{}$               | 753                |                                   |                          | $\backslash$ | 743        |   |  |  |  |   |   |           |
| 762   |   |   |  |                 |                             |               |             |            | $\overline{}$               | 752                |                                   |                          |              | 742        |   |  |  |  |   |   |           |
| 761   |   |   |  |                 |                             |               |             |            |                             | 751                |                                   |                          |              | 741        |   |  |  |  |   |   |           |
| 760   |   |   |  |                 |                             |               |             |            |                             | 750                |                                   |                          |              | 740        |   |  |  |  |   |   |           |
| 759   |   |   | 1  |                 |                             |               |             |            |                             | 749                |                                   |                          |              | 739        |   |  |  |  |   |   |           |
| DDE NR  | 2.98 10 12 10 12 10 12 10 12 10 12 10 12 12 10 12 12 12 12 12 12 12 12 12 12 12 12 12 |   | 6.<br>53   |                 | s5<br>=                     | 56            |             | 2.04 C     |                             |                    |                                   |                          |              |            | 6   | S10  | C C C C C C C C C C C C C C C C C C C  |  | S11<br>ខ្ម  |   | 1.75 ∞    |
| XC. DEPTH   |   |   |  | ò               | 27 4.11                     | 16 2.61       |             |            |                             | 2                  | 51 2.                             | <u>8</u>                 | p            |            |   |  |  |  | 35 1.5  |   | =         |
| LEVATION  | 773.64<br>773.00<br>771.50  |   |  |                 | 769.27                      | 767.16        |             | 766.       |                             | `                  | 761                               | 758                      | 9<br>6<br>/  |            | 01.16/  | 748.28   | 93 LYL   |  | 746.  |   | 746.      |
| IPE AXIS<br>LEVATION  | 769.60<br>769.30<br>768.71  | 767.40  | 766.22   | 09.00           | 765.35                      | 764.74        |             | 76.4.37    |                             | 67.70/             | 759.17                            | 756.00                   | 55.46        | 752.26     | /49.82  | 746.64   | 90 97<br>20  |  | 745.25  |   | 744.55    |
| DISTANCE<br>m)  | 4.89 9.82 21.60   |   | 25.48  | 36.13           | 44.04                       |               | 25.80       | 17.36      | 21.77                       | 35.81              | 36.69                             | 19.39                    | 24.04        | 28.27      | 36.88   |  | 35.33  | 49.1   |   | 42.81   | 32.98     |
| TATION  | 0+000.00<br>0+004.89<br>0+014.71  | 0+036.31-                                       | 155.81   | -67-180+        | 17.42                       | 61.46-        |             | +187.26    |                             |                    |                                   | 98.89                    |              | 42.32      | -65.0/  | 107.47   | 00 07 7  |  | 91.95-  |   | 34.76     |
| IPE ȘLOPE   | 0+0 +0 -000   |   | 0+055.   |                 | 0140                        | 0+161         |             | 0+187      |                             |                    | 0+2                               |                          | 0+518        | 0+342      | 0+5/0   | 0+4  | Ċ  | 0<br>+   |   |   | 0+53      |
| 1 - 2001 -  |   |   |  |                 |                             |               |             |            |                             |                    |                                   |                          |              |            |   |  |  |  |   |   |           |
|   | 060<br>55.8<br>97.120 32.5  |   | 3,45a  | L= 36.12 24.630 | 14046 148.87                | 28.56g        | L= 6        | 64.92      | 8.670                       | L= 35.81 12.35g    | L= 56.07                          | 086222<br>202.85<br>8.40 | <u> </u>     | L= 89.19   |   | 7.230  | L= 8   | 34.48  | 22.590  |   | 75.78 5.  |
| ISTANCE BTW.<br>I. BENDS (m)<br>PIPE DIAMETER   | 97.12g<br>L = 14. L = 21.4<br>L = 21.4  | 5.92g   | <u>3.45</u><br>L= 25.47                          | L= 36.12 24.63g |                             | 28.569        | L= 6        | 64.92      | <u>8.67</u>                 | L= 35.81 12.35g    | L= 56.07<br>PE (PN10, OUTER DIAME | 8.49                     |              | L= 89.19   |   | 7.239  | L= 8   |  | 22.599  | <u> </u>  | 75.78 5.  |
| 1/100   | 97.12g<br>L = 14. L = 21.4<br>L = 21.4  | 5.92  | ZONE I<br>ESERVC<br>Coph= 55.81 L<br>LWL = 770.0 |                 |                             | <u>28.56</u>  | <u>L= 6</u> | 64.92      | 8.67¢                       |                    | $\mathcal{V}$                     | 8.49                     |              | L= 89.19   | NODE NR<br>0  | SIO NO. 100  | L = 8  | 54.48<br>STATION<br>(m)<br>0+000.00  | 22.599  |   | 75.78 5.6 |
| DISTANCE BTW.<br>H. BENDS (m)<br>PIPE DIAMETER<br>PIPE TYPE<br>A B<br>1/100             | 97.12g<br>L = 14. L = 21.4<br>L = 21.4  | 5.92  |  | DIR<br>m        |                             |               |             | 64.92      | 8.679                       | DN180 HDPE-100 PIF | VE (PN10, OUTER DIAME             | 8.49                     | , t=10.7mm)  | L= 89.19   | NODE NR   | COORD<br>NORTH   | DINATES<br>EAST  | STATION<br>(m)   | 22.59g  | L= ;  |           |
| STANCE BTW.<br>BENDS (m)<br>IPE DIAMETER<br>IPE TYPE                                    | 97.12g<br>L = 14. L = 21.4<br>L = 21.4  | 5.92  |  |                 |                             |               |             |            | 8.679                       | DN180 HDPE-100 PIF | VE (PN10, OUTER DIAME             | 8.49                     | , t=10.7mm)  | L= 89.19   | NODE NR<br>0<br>51<br>52  | COORD<br>NORTH<br>4590869.38<br>4590858.38   | DINATES<br>EAST<br>283745.55<br>283755.32<br>283772.10   | STATION<br>(m)<br>0+000.00<br>0+014.71<br>0+036.31   | 22.599<br>DISTANCE<br>(m)<br>14.71<br>21.60   | L= ;<br>2.599<br>ANGLE<br>(grad)<br>-97.12<br>-32.55  |           |
| STANCE BTW.<br>BENDS (m)<br>IPE DIAMETER<br>IPE TYPE                                    | 97.12g<br>L = 14. L = 21.4<br>L = 21.4  | 5.92  |  | DIR<br>m        |                             |               |             | 64.92      | 8.679                       | DN180 HDPE-100 PIF | $\mathcal{V}$                     | 8.49                     | , t=10.7mm)  |            | NODE NR<br>0<br>51<br>52<br>53  | COORD<br>NORTH<br>4590869.38<br>4590871.97<br>4590890.08   | DINATES<br>EAST<br>283745.55<br>283775.32<br>283772.10<br>283779.31  | STATION<br>(m)<br>0+000.00<br>0+014.71<br>0+036.31<br>0+055.81   | 22.59g  | L= ;  |           |
| ISTANCE BTW.<br>BENDS (m)<br>IPE DIAMETER<br>IPE DIAMETER<br>IPE TYPE<br>1/100<br>1/100 | 97.12g<br>L = 14. L = 21.4<br>L = 21.4  | 5.92  |  | DIR<br>m        |                             |               |             |            | 8.67g                       | DN180 HDPE-100 PIF | VE (PN10, OUTER DIAME             | 8.49                     | , t=10.7mm)  | L= 89.19   | NODE NR<br>0<br>51<br>52  | COORD<br>NORTH<br>4590869.38<br>4590858.38   | DINATES<br>EAST<br>283745.55<br>283755.32<br>283772.10   | STATION<br>(m)<br>0+000.00<br>0+014.71<br>0+036.31   | 22.599<br>DISTANCE<br>(m)<br>14.71<br>21.60   | L= ;<br>2.599<br>ANGLE<br>(grad)<br>-97.12<br>-32.55  |           |
| STANCE BTW.<br>BENDS (m)<br>IPE DIAMETER<br>IPE TYPE<br>1/100<br>1/100                  | 97.12g<br>L = 14. L = 21.4<br>L = 21.4  | 5.92  |  | DIR<br>m        |                             |               |             |            | 8.67g                       | DN180 HDPE-100 PIF | VE (PN10, OUTER DIAME             | 8.49                     | , t=10.7mm)  | L= 89.19   | NODE NR<br>0<br>51<br>52<br>53<br>54                                      | COORD<br>NORTH<br>4590869.38<br>4590871.97<br>4590890.08<br>4590914.53   | DINATES<br>EAST<br>283745.55<br>283775.32<br>283772.10<br>283779.31<br>283786.49   | STATION<br>(m)<br>0+000.00<br>0+014.71<br>0+036.31<br>0+055.81<br>0+081.29   | 22.59g  | L= :<br>KM : 04.500<br>ANGLE (grad)<br>-97.12<br>-32.55<br>-5.92<br>-3.45   |           |
| ISTANCE BTW.<br>BENDS (m)<br>IPE DIAMETER<br>IPE TYPE<br>1/100<br>1/100<br>660          | 97.12g<br>L = 14. L = 21.4<br>L = 21.4  | 5.92  |  |                 |                             |               |             |            | 8.67g                       | DN180 HDPE-100 PIF | VE (PN10, OUTER DIAME             | 8.49                     | , t=10.7mm)  | L= 89.19   | NODE NR<br>0<br>51<br>52<br>53<br>54<br>55<br>56<br>57                    | COORD<br>NORTH<br>4590869.38<br>4590858.38<br>4590871.97<br>4590890.08<br>4590914.53<br>4590949.70<br>4590949.70   | DINATES<br>EAST<br>283745.55<br>283755.32<br>283772.10<br>283779.31<br>283786.49<br>283794.78<br>283820.31<br>283820.31<br>283831.27                           | STATION<br>(m)<br>0+000.00<br>0+014.71<br>0+036.31<br>0+055.81<br>0+081.29<br>0+117.42<br>0+161.46<br>0+226.39                         | 22.599<br>DISTANCE<br>(m)<br>14.71<br>21.60<br>19.50<br>25.48<br>36.13<br>44.04<br>64.93                            | L= ;<br>ANGLE<br>(grad)<br>-97.12<br>-32.55<br>-5.92<br>-3.45<br>24.63<br>-28.56<br>8.67                            |           |
| ISTANCE BTW.<br>BENDS (m)<br>IPE DIAMETER<br>IPE DIAMETER<br>IPE TYPE<br>1/100<br>1/100 | 97.12g<br>L = 14. L = 21.4<br>L = 21.4  | 5.92  |  | DIR<br>m        |                             |               |             |            | 8.679                       | DN180 HDPE-100 PIF | VE (PN10, OUTER DIAME             | 8.49                     | , t=10.7mm)  | L= 89.19   | NODE NR<br>0<br>51<br>52<br>53<br>54<br>55<br>56<br>57<br>58              | COORD<br>NORTH<br>4590869.38<br>4590871.97<br>4590890.08<br>4590914.53<br>4590949.70<br>4590985.59<br>4591049.59<br>4591049.59   | DINATES<br>EAST<br>283745.55<br>283755.32<br>283772.10<br>283779.31<br>283786.49<br>283794.78<br>283820.31<br>283831.27<br>283831.27<br>283842.05              | <b>STATION</b><br>(m)<br>0+000.00<br>0+014.71<br>0+036.31<br>0+055.81<br>0+081.29<br>0+117.42<br>0+161.46<br>0+226.39<br>0+226.39      | 22.599<br>DISTANCE<br>(m)<br>14.71<br>21.60<br>19.50<br>25.48<br>36.13<br>44.04<br>64.93<br>35.81                   | L= ;<br>ANGLE<br>(grad)<br>-97.12<br>-32.55<br>-5.92<br>-3.45<br>24.63<br>-28.56<br>8.67<br>-12.35                  |           |
| ISTANCE BTW.<br>BENDS (m)<br>IPE DIAMETER<br>IPE TYPE<br>1/100<br>1/100                 | 97.12g<br>L = 14. L = 21.4<br>L = 21.4  | 5.92  |  |                 |                             |               |             |            | 8.679                       | DN180 HDPE-100 PIF | VE (PN10, OUTER DIAME             | 8.49                     | , t=10.7mm)  | L= 89.19   | NODE NR<br>0<br>51<br>52<br>53<br>54<br>55<br>56<br>57                    | COORD<br>NORTH<br>4590869.38<br>4590858.38<br>4590871.97<br>4590890.08<br>4590914.53<br>4590949.70<br>4590949.70   | DINATES<br>EAST<br>283745.55<br>283755.32<br>283772.10<br>283779.31<br>283786.49<br>283794.78<br>283820.31<br>283820.31<br>283831.27                           | STATION<br>(m)<br>0+000.00<br>0+014.71<br>0+036.31<br>0+055.81<br>0+081.29<br>0+117.42<br>0+161.46<br>0+226.39                         | 22.599<br>DISTANCE<br>(m)<br>14.71<br>21.60<br>19.50<br>25.48<br>36.13<br>44.04<br>64.93                            | L= ;<br>ANGLE<br>(grad)<br>-97.12<br>-32.55<br>-5.92<br>-3.45<br>24.63<br>-28.56<br>8.67                            |           |
| ISTANCE BTW.<br>BENDS (m)<br>IPE DIAMETER<br>IPE TYPE<br>1/100<br>1/100                 | 97.12g<br>L = 14. L = 21.4<br>L = 21.4  | 5.92  |  |                 |                             |               |             |            | 8.679                       | DN180 HDPE-100 PIF | VE (PN10, OUTER DIAME             | 8.49                     | , t=10.7mm)  |            | NODE NR<br>0<br>51<br>52<br>53<br>54<br>55<br>56<br>57<br>58<br>58<br>59  | COORD<br>NORTH<br>4590869.38<br>4590858.38<br>4590914.53<br>4590914.53<br>4590949.70<br>4590985.59<br>4591049.59<br>4591083.73<br>4591139.46   | DINATES<br>EAST<br>283745.55<br>283755.32<br>283772.10<br>283778.49<br>283794.78<br>283820.31<br>283842.05<br>283842.05<br>283848.31                           | STATION<br>(m)<br>0+000.00<br>0+014.71<br>0+036.31<br>0+055.81<br>0+081.29<br>0+117.42<br>0+161.46<br>0+226.39<br>0+262.20<br>0+318.28 | 22.599<br>DISTANCE<br>(m)<br>14.71<br>21.60<br>19.50<br>25.48<br>36.13<br>44.04<br>64.93<br>35.81<br>56.08          | L = ;<br>ANGLE<br>(grad)<br>-97.12<br>-32.55<br>-5.92<br>-3.45<br>24.63<br>-28.56<br>8.67<br>-12.35<br>8.40         |           |
| DISTANCE BTW.<br>H. BENDS (m)<br>PIPE DIAMETER<br>PIPE TYPE<br>A B<br>1/100             | 97.12g<br>L = 14. L = 21.4<br>L = 21.4  | 5.92  |  |                 |                             |               |             |            | 8.679                       | DN180 HDPE-100 PIF | VE (PN10, OUTER DIAME             | 8.49                     | , t=10.7mm)  |            | NODE NR<br>0<br>S1<br>S2<br>S3<br>S4<br>S5<br>S6<br>S7<br>S8<br>S9<br>S10 | COORE<br>NORTH<br>4590869.38<br>4590814.53<br>4590914.53<br>4590914.53<br>4590914.53<br>4590914.53<br>4590914.53<br>4590914.53<br>4590914.53<br>4590914.53<br>4591139.46<br>4591139.46 | DINATES<br>EAST<br>283745.55<br>283755.32<br>283772.10<br>283779.31<br>283786.49<br>283794.78<br>283820.31<br>283842.05<br>283842.05<br>283848.31<br>283869.84 | STATION<br>(m)<br>0+000.00<br>0+014.71<br>0+036.31<br>0+081.29<br>0+117.42<br>0+161.46<br>0+226.39<br>0+262.20<br>0+318.28<br>0+407.47 | 22.599<br>DISTANCE<br>(m)<br>14.71<br>21.60<br>19.50<br>25.48<br>36.13<br>44.04<br>64.93<br>35.81<br>56.08<br>89.19 | L= :<br>ANGLE<br>(grad)<br>-97.12<br>-32.55<br>-5.92<br>-3.45<br>24.63<br>-28.56<br>8.67<br>-12.35<br>8.40<br>17.23 |           |

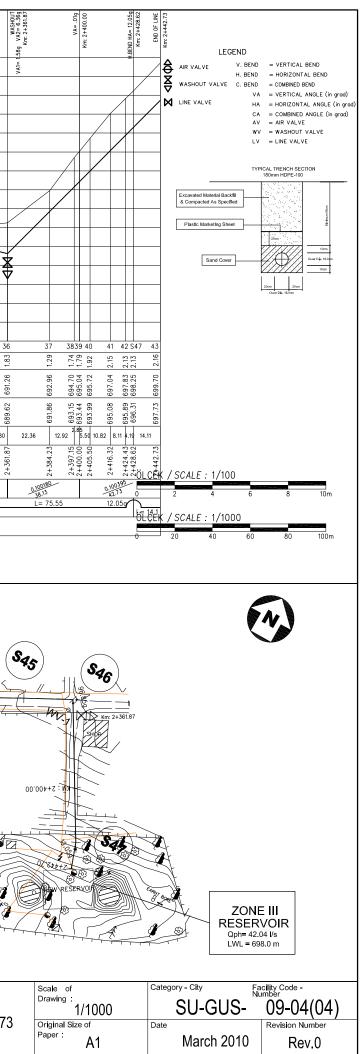


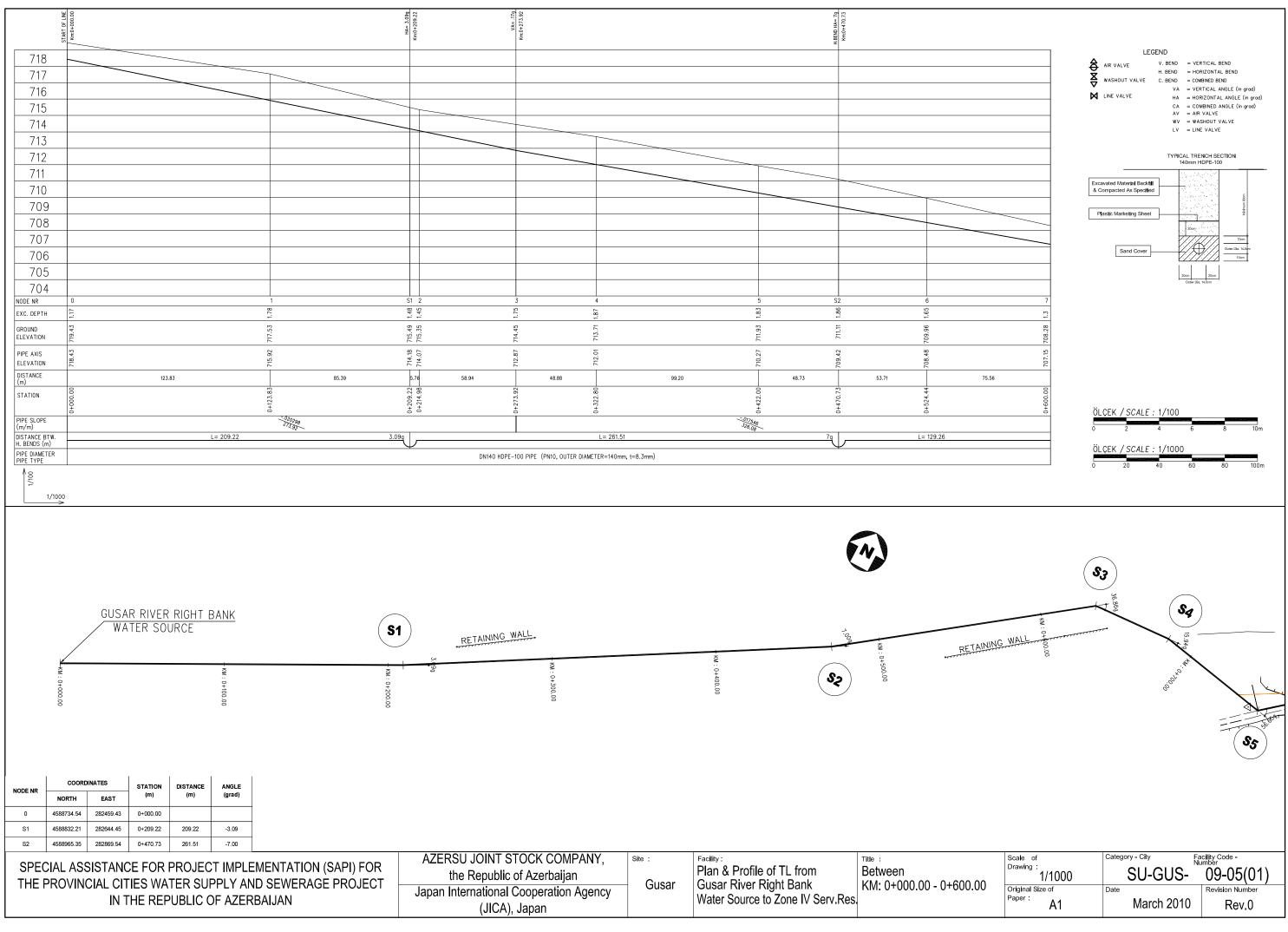


| END HA= 9.23g<br>Km: 1+201.22                  | END HA= 6.259<br>Km: 1+233.04        | END HA= 6.529<br>Km: 1+282.16<br>Km: 1+282.16<br>Km: 1+309.50 | LBEND C.A. 18.88g<br>http://www.19.82.91<br>http://www.19.851g<br>http://www.14.378.25 | HA= 4.63 <u>9</u><br>Km: 1+426.24 | HA= 2.57 <u>0</u><br>Km: 1+508.23       |               |               | CA= 3.06g | 80.090.1-1  |   | <u>I.BEND HA= 8.219</u><br>Km: 1+663.10   |  | HA= 4.31g<br>Kmc 1+718.51   | HA= 4.729<br>Km: 1+737.41<br>BEND HA= 12.279<br>Km: 1+751.74   |
|--|--------------------------------------|---|--|-----------------------------------|---|---------------|---------------|-----------|---|---|---|--|---|--|
| 736  | 8<br>                                | H H H H   | 725  |                                   |   |               |               |           | 715   |   | Ŧ   |  |   |  |
| 735  |                                      |   | 724  | $\rightarrow$                     |   |               |               |           | 714   |   |   |  |   |  |
| 734  |                                      |   | 723  |                                   |   |               |               |           | 713   |   |   |  |   |  |
| 733  |                                      |   | 722  |                                   |   |               |               |           | 712   |   |   |  |   |  |
| 732  |                                      |   | 721  |                                   |   |               |               |           | 711   |   |   |  |   |  |
| 731  |                                      |   | 720  |                                   |   |               |               |           | 710   |   |   |  |   |  |
| 730  |                                      |   | 719  |                                   |   |               |               |           | 709   |   |   |  |   |  |
| 729  |                                      |   | 718  |                                   |   | $\searrow$    |               |           | 708   |   |   |  |   |  |
| 728  |                                      |   | 717  |                                   |   | $\searrow$    | <u> </u>      |           | 707   |   |   |  |   |  |
| 727  |                                      |   | 716  |                                   |   | $\rightarrow$ |               |           | 706   |   |   |  |   |  |
| 726  |                                      |   | 715  |                                   |   |               | $\rightarrow$ |           | 705   |   |   |  |   |  |
| 725  |                                      |   | 714  |                                   |   |               |               |           | 704<br>703  |   |   |  |   |  |
| 724  |                                      |   | 712  |                                   |   |               |               |           | 702   |   |   |  |   |  |
| 723  |                                      |   | 712  |                                   |   |               |               |           | 702   |   |   |  |   |  |
| DDE NR 23                                      | R S24 23                             | S25 24 S26  | S27 S28  | S29 25                            | S30                                     | 26            | 2             | 7 S31     |   | 28  | S32   |  |   | 34 S35   |
| XC. DEPTH                                      |                                      | 2.16  | 1.28   | 2.06                              | 1.32                                    | 1.52          |               |           |   | 1.72  | 1.28  |  | 1.88  | 2.31   |
| ROUND 859<br>LEVATION 850                      | 736.63<br>736.47<br>736.29<br>736.29 | 736.47<br>736.50<br>735.34                                    | 726.65   | 724.46<br>723.37                  | 719.07                                  | 717.60        |               | 715.75    |   | 714.60  | 714.09  |  | 714.58  | 714.97<br>715.12   |
|  | 94<br>76                             | .50   | 13 98  | 48<br>50                          | 94                                      | 5.27          |               | 13.14     |   | 713.07  | 713.00  |  | 2.89  | 712.85<br>712.82   |
| ELEVATION                                      | 27.54 20.14 28.98                    |   | 3.41 15.34   | 77.99 17.63                       | 64.36                                   | 30.24         | 31.82         | 24.79     | 36.46   | 31.56   | 12  | 55.41  | 212<br>18.90  | 14.33 10   |
| (m)<br>[38] [38] [38] [38] [38] [38] [38] [38] | 18 04 04                             |   | 25   | 24                                | 23                                      | 47            |               | 80        |   |   | 2.10  | 00.11  | 21  |  |
| 1+200.<br>1+200.                               | 1+205.56<br>1+233.04<br>1+253.18     | 1+282.<br>1+298.<br>1+309.                                    | 1+362.   | 1+426.<br>1+443.                  | 1+508                                   | 1+538.        |               | 1+595.    |   | 1+631.54  | 1+663.10  |  | 1+718.  | 1+737.41<br>1+751.74   |
| PE DIAMETER                                    |                                      |   |  |                                   |   |               |               | \         |   |   |   |  | ↓L= 10.8  | 14.52  |
|  |                                      |   |  | DN180 HDPE-10                     | D PIPE (PN10, OUTER DIAMETER=180mm      | m, t=10.7mm)  |               |           |   | COORD   | DINATES   | STATION  | DISTANCE  | ANGLE  |
|  |                                      |   |  | DN180 HDPE-10                     | 0 PIPE (PN10, OUTER DIAMETER=180mm      | m, t=10.7mm)  |               | ¥         | NODE NR   | NORTH   | EAST  | (m)  | (m)   | ANGLE<br>(grad)  |
| 1/1000   |                                      |   |  | DN180 HDPE-10                     | L<br>O PIPE (PN10, OUTER DIAMETER=180mm | m, t=10.7mm)  |               |           | S23   | NORTH<br>4591853.65   | EAST<br>284333.42   | (m)<br>1+201.22  | (m)<br>68.91  | (grad)<br>9.23   |
| 1/1000   |                                      |   |  | DN180 HDPE-10                     | L<br>O PIPE (PN10, OUTER DIAMETER=180mm | m, t=10.7mm)  |               |           |   | NORTH   | EAST  | (m)  | (m)   | (grad)   |
| 1/1000   |                                      |   |  | DN180 HDPE-10                     | L<br>O PIPE (PN10, OUTER DIAMETER=180mm | m, t=10.7mm)  |               |           | \$23<br>\$24  | NORTH<br>4591853.65<br>4591869.80   | EAST<br>284333.42<br>284360.83  | (m)<br>1+201.22<br>1+233.04  | (m)<br>68.91<br>31.82   | (grad)<br>9.23<br>6.25   |
| ↑ 00<br>1/1000                                 |                                      |   |  | DN180 HDPE-10                     | D PIPE (PN10, OUTER DIAMETER=180mm      | m, t=10.7mm)  |               | ¥         | \$23<br>\$24<br>\$25<br>\$26<br>\$27  | NORTH       4591853.65       4591869.80       4591890.47       4591891.27   | EAST<br>284333.42<br>284360.83<br>284405.39<br>284431.24<br>284479.96   | (m)<br>1+201.22<br>1+233.04<br>1+282.16<br>1+309.50<br>1+362.91  | (m)<br>68.91<br>31.82<br>49.12<br>27.34<br>53.41  | (grad)<br>9.23<br>6.25<br>6.52<br>-5.75<br>18.13   |
| ↑ 00<br>1/1000                                 |                                      |   |  | DN180 HDPE-10                     | L<br>O PIPE (PN10, OUTER DIAMETER=180mm | m, t=10.7mm)  |               |           | S23       S24       S25       S26       S27       S28   | NORTH       4591853.65       4591869.80       4591890.47       4591899.38       4591921.27       4591923.38   | EAST<br>284333.42<br>284360.83<br>284405.39<br>284431.24<br>284479.96<br>284495.15  | (m)<br>1+201.22<br>1+233.04<br>1+282.16<br>1+309.50<br>1+362.91<br>1+378.25  | (m)<br>68.91<br>31.82<br>49.12<br>27.34<br>53.41<br>15.34   | (grad)<br>9.23<br>6.25<br>6.52<br>-5.75<br>18.13<br>19.51  |
| ↑ 00<br>1/1000                                 |                                      |   | S27 S28  |                                   | D PIPE (PN10, OUTER DIAMETER=180mm      | m, t=10.7mm)  |               |           | \$23<br>\$24<br>\$25<br>\$26<br>\$27  | NORTH       4591853.65       4591869.80       4591890.47       4591891.27   | EAST<br>284333.42<br>284360.83<br>284405.39<br>284431.24<br>284479.96   | (m)<br>1+201.22<br>1+233.04<br>1+282.16<br>1+309.50<br>1+362.91  | (m)<br>68.91<br>31.82<br>49.12<br>27.34<br>53.41  | (grad)<br>9.23<br>6.25<br>6.52<br>-5.75<br>18.13   |
| 1/1000   |                                      |   | \$27, \$28   | DN180 HDPE-10                     | D PIPE (PN10, OUTER DIAMETER=180mm      | m, t=10.7mm)  |               |           | S23       S24       S25       S26       S27       S28       S29   | NORTH       4591853.65       4591869.80       4591890.47       4591899.38       4591921.27       4591923.38       4591923.31  | EAST<br>284333.42<br>284360.83<br>284405.39<br>284431.24<br>284479.96<br>284495.15<br>284542.46   | (m)<br>1+201.22<br>1+233.04<br>1+282.16<br>1+309.50<br>1+362.91<br>1+378.25<br>1+426.24  | (m)<br>68.91<br>31.82<br>49.12<br>27.34<br>53.41<br>15.34<br>47.98  | (grad)<br>9.23<br>6.25<br>6.52<br>-5.75<br>18.13<br>19.51<br>4.63  |
| 1/1000   |                                      |   | S27 S28  |                                   |   | m, t=10.7mm)  |               |           | S23       S24       S25       S26       S27       S28       S29       S30       S31       S32   | NORTH       4591853.65       4591869.80       4591890.47       4591899.38       4591921.27       4591923.38       4591915.31       4591895.69       4591895.69       4591871.52       4591852.89  | EAST<br>284333.42<br>284360.83<br>284405.39<br>284431.24<br>284479.96<br>284495.15<br>284542.46<br>284542.46<br>284622.06<br>284705.49<br>284770.90   | (m)<br>1+201.22<br>1+233.04<br>1+282.16<br>1+309.50<br>1+362.91<br>1+378.25<br>1+426.24<br>1+508.23<br>1+595.08<br>1+663.10  | (m)<br>68.91<br>31.82<br>49.12<br>27.34<br>53.41<br>15.34<br>47.98<br>81.99<br>86.85<br>68.02   | (grad)<br>9.23<br>6.25<br>6.52<br>-5.75<br>18.13<br>19.51<br>4.63<br>2.57<br>-0.29<br>-8.21  |
| 1/1000   | S25                                  | 5. 200 July   |  |                                   | O PIPE (PN10, OUTER DIAMETER=180mm      | m, t=10.7mm)  |               |           | S23       S24       S25       S26       S27       S28       S29       S30       S31       S32       S33   | NORTH       4591853.65       4591869.80       4591890.47       4591899.38       4591921.27       4591923.38       4591915.31       4591895.69       4591895.69       4591871.52       4591852.89       459184.70  | EAST<br>284333.42<br>284360.83<br>284405.39<br>284431.24<br>284479.96<br>284495.15<br>284542.46<br>284622.06<br>284705.49<br>284770.90<br>284825.70   | (m)<br>1+201.22<br>1+233.04<br>1+282.16<br>1+309.50<br>1+362.91<br>1+378.25<br>1+426.24<br>1+508.23<br>1+508.23<br>1+595.08<br>1+663.10<br>1+718.51  | (m)       68.91       31.82       49.12       27.34       53.41       15.34       47.98       81.99       86.85       68.02       55.41                                     | (grad)<br>9.23<br>6.25<br>6.52<br>-5.75<br>18.13<br>19.51<br>4.63<br>2.57<br>-0.29<br>-8.21<br>-4.31   |
| 1/1000   | <u>6</u> .                           | 5,200   | S27 S28  |                                   |   | m, t=10.7mm)  |               |           | S23       S24       S25       S26       S27       S28       S29       S30       S31       S32   | NORTH       4591853.65       4591869.80       4591890.47       4591899.38       4591921.27       4591923.38       4591915.31       4591895.69       4591895.69       4591871.52       4591852.89  | EAST<br>284333.42<br>284360.83<br>284405.39<br>284431.24<br>284479.96<br>284495.15<br>284542.46<br>284542.46<br>284622.06<br>284705.49<br>284770.90   | (m)<br>1+201.22<br>1+233.04<br>1+282.16<br>1+309.50<br>1+362.91<br>1+378.25<br>1+426.24<br>1+508.23<br>1+595.08<br>1+663.10  | (m)<br>68.91<br>31.82<br>49.12<br>27.34<br>53.41<br>15.34<br>47.98<br>81.99<br>86.85<br>68.02   | (grad)<br>9.23<br>6.25<br>6.52<br>-5.75<br>18.13<br>19.51<br>4.63<br>2.57<br>-0.29<br>-8.21  |
| ↑ 00<br>1/1000                                 | (S24)                                |   |  |                                   | S30                                     | m, t=10.7mm)  |               |           | S23       S24       S25       S26       S27       S28       S29       S30       S31       S32       S33       S34                               | NORTH       4591853.65       4591869.80       4591890.47       4591899.38       4591921.27       4591923.38       4591915.31       4591895.69       4591852.89       4591852.89       4591843.18  | EAST<br>284333.42<br>284360.83<br>284405.39<br>284431.24<br>284479.96<br>284495.15<br>284542.46<br>284622.06<br>284705.49<br>284770.90<br>284825.70<br>284825.70  | (m)<br>1+201.22<br>1+233.04<br>1+282.16<br>1+309.50<br>1+362.91<br>1+378.25<br>1+426.24<br>1+508.23<br>1+595.08<br>1+663.10<br>1+718.51<br>1+778.41  | (m)       68.91       31.82       49.12       27.34       53.41       15.34       47.98       81.99       86.85       68.02       55.41       18.90                         | (grad)<br>9.23<br>6.25<br>6.52<br>-5.75<br>18.13<br>19.51<br>4.63<br>2.57<br>-0.29<br>-8.21<br>-4.31<br>-4.72                                  |
|  | <u>6</u> .                           | 5.00  |  |                                   |   | m, t=10.7mm)  |               |           | S23       S24       S25       S26       S27       S28       S29       S30       S31       S32       S33       S34       S35                     | NORTH       4591853.65       4591869.80       4591890.47       4591899.38       4591921.27       4591923.38       4591953.31       4591895.69       4591895.69       4591852.89       459184.70       4591843.08  | EAST<br>284333.42<br>284360.83<br>284405.39<br>284431.24<br>284479.96<br>284495.15<br>284542.46<br>284622.06<br>284705.49<br>284770.90<br>284825.70<br>284825.70  | (m)       1+201.22       1+233.04       1+282.16       1+309.50       1+362.91       1+378.25       1+426.24       1+508.23       1+595.08       1+663.10       1+718.51       1+737.41       1+751.74 | (m)       68.91       31.82       49.12       27.34       53.41       15.34       47.98       81.99       86.85       68.02       55.41       18.90       14.33             | (grad)<br>9.23<br>6.25<br>6.52<br>-5.75<br>18.13<br>19.51<br>4.63<br>2.57<br>-0.29<br>-8.21<br>-4.31<br>-4.72<br>-12.27                        |
| 1/1000   | <u>6</u> .                           |   |  |                                   | S30                                     | m, t=10.7mm)  | S31           |           | S23       S24       S25       S26       S27       S28       S29       S30       S31       S32       S33       S34       S35       S36       S37 | NORTH       4591853.65       4591869.80       4591890.47       4591890.38       45919121.27       4591923.38       4591923.38       4591915.31       4591895.69       4591895.89       4591852.89       459184.70       459184.08       4591843.08       4591846.89 | EAST<br>284333.42<br>284360.83<br>284405.39<br>284431.24<br>284479.96<br>284495.15<br>284542.46<br>284622.06<br>284705.49<br>284770.90<br>284825.70<br>284825.70<br>284845.54<br>284858.87<br>284858.87 | (m)<br>1+201.22<br>1+233.04<br>1+282.16<br>1+309.50<br>1+362.91<br>1+378.25<br>1+426.24<br>1+508.23<br>1+508.23<br>1+508.23<br>1+508.23<br>1+663.10<br>1+718.51<br>1+772.31<br>1+772.31<br>1+772.70    | (m)       68.91       31.82       49.12       27.34       53.41       15.34       47.98       81.99       86.85       68.02       55.41       18.90       14.33       20.57 | (grad)<br>9.23<br>6.25<br>6.52<br>-5.75<br>18.13<br>19.51<br>4.63<br>2.57<br>-0.29<br>-8.21<br>-4.31<br>-4.72<br>-12.27<br>-16.13<br>-3.87<br> |



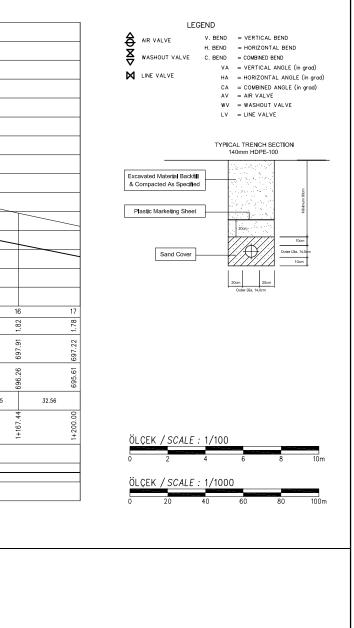
|                               | СА= 1.92 <u>0</u><br>Кт: 1+821.81 |                        | HA= 2.59 <u>9</u><br>Km: 1+861.1 <u>3</u> |                 | HA= 3.28g         | Km: 1+927.78 | 697 E - VV             | Mm: 2+009.21<br>Mm: 2+009.21<br>HA= 1.16g<br>Mm: 2+033.91 |  |               | CA= 4.019<br>Km: 2+122.17 |                 | HA= .52g<br>Km: 2+191.34                          |                                 |                        | HA= .04g<br>Km: 2+299.14               | HA= .96 <u>9</u><br>Km: 2+327.08 | .BEND HA= 96.859<br>Km: 2+353.07<br>w.schnirt |
|-------------------------------|-----------------------------------|------------------------|---|-----------------|-------------------|--------------|------------------------|---|--|---------------|---------------------------|-----------------|---|---------------------------------|------------------------|--|----------------------------------|---|
| 714                           |                                   |                        |   |                 |                   |              |                        | 704   |  |               |                           |                 |   | 699                             |                        |  |                                  |   |
| 713                           |                                   |                        |   |                 |                   |              |                        | 703   | \  |               |                           |                 |   | 698                             |                        |  |                                  |   |
| 712                           |                                   | $\overline{}$          |   |                 |                   |              |                        | 702   | $\overline{)}$                               |               |                           |                 |   | 697                             |                        |  |                                  |   |
| 711                           |                                   |                        |   |                 |                   |              |                        | 701   | $\angle$                                     |               |                           |                 |   | 696                             |                        |  |                                  |   |
| 710                           |                                   |                        |   |                 |                   |              |                        | 700   | //   |               |                           |                 |   | 695                             |                        |  |                                  |   |
| 709                           |                                   |                        |   |                 |                   |              |                        | 699   |  |               |                           |                 |   | 694                             |                        |  |                                  |   |
| 708                           |                                   |                        |   |                 |                   |              |                        | 698   | $\longrightarrow$                            | $\rightarrow$ |                           |                 |   | 693                             |                        |  |                                  |   |
| 707                           |                                   |                        |   |                 |                   |              |                        | 697   |  | $\overline{}$ |                           |                 |   | 692                             |                        |  |                                  |   |
| 706                           |                                   |                        |   |                 |                   |              |                        | 696   |  | $\rightarrow$ |                           |                 |   | 691                             |                        |  |                                  |   |
| 705                           |                                   |                        |   |                 |                   |              |                        | 695   |  |               | $\sim$                    |                 |   | 690                             |                        |  |                                  | $\rightarrow$                                 |
| 703                           |                                   |                        |   |                 |                   |              |                        | 694   |  |               |                           |                 |   | 689                             |                        |  |                                  |   |
|                               |                                   |                        |   |                 |                   |              |                        | N   |  |               |                           |                 |   | 688                             |                        |  |                                  | WV-1 V  |
| 703                           |                                   |                        |   |                 |                   |              |                        | 693   |  |               |                           |                 |   | ~                               |                        |  |                                  | WV-1 ¥  |
| 702                           |                                   |                        |   |                 |                   |              |                        | 692   |  |               |                           |                 |   | 687                             |                        |  |                                  |   |
| 701                           |                                   |                        |   |                 |                   |              |                        | 691   |  |               |                           |                 |   | 686                             |                        |  |                                  |   |
| 700<br>NODE NR                | 30 S38                            |                        | S39                                       |                 | S40               |              | 31                     | 690<br>32 S41   | 33   |               | S42                       |                 | S43 34  | <u>685</u>                      |                        |  | S45                              | S46 36  |
| EXC. DEPTH                    | 1.59                              |                        | 1.47                                      |                 | 1.53              |              |                        | 1.68 1.68   | 1.35   |               | 2.75                      |                 | 2.28  | 1.54                            |                        | 1.45                                   | 1.55                             | 1.49 5  |
| GROUND                        | 714.08                            |                        | 712.60                                    |                 | 710.35            |              |                        | 36 28   |  |               | 698.12                    |                 | 94  | 6                               |                        | 43                                     |                                  | 691.14 1<br>691.26 1                          |
| ELEVATION                     |                                   |                        |   |                 |                   |              |                        | 707.  | 64.669                                       |               |                           |                 | 695.9   | 694.                            |                        | 692.                                   | 691.84                           |   |
| PIPE AXIS<br>ELEVATION        | 712.72<br>712.68                  |                        | 711.32                                    |                 | 709.01            |              | 707.76                 | 706.19  | 698.63                                       |               | 695.56                    |                 | 693.85<br>693.30                                  | 692.75                          |                        | 691.17                                 | 690.48                           | 689.84<br>689.62                              |
| DISTANCE                      | 21.81                             | 39.32                  |   | 66.65           |                   | 35.98        | 45.45                  | 24.70   | 55.65  | 32.61         |                           | 69.17           | 21.99   | 22.20                           | 63.61                  |  |                                  | 25.99 8.80                                    |
| (m)<br>STATION                | 8                                 |                        | 1.13                                      |                 | .78               |              |                        | 6 31  |  |               | 1                         |                 | 34  | 23                              |                        |  |                                  |   |
|                               | 1+800.(                           |                        | 1+861.13                                  |                 | 1+927.            |              |                        | 2+009.<br>2+033.  | 2+089.56                                     |               | 2+122.                    |                 | 2+191.34<br>2+213.33                              | 2+235.                          |                        | 2+299.14                               | 2+327.                           | 2+353.07-<br>2+361.87                         |
| PIPE SLOPE<br>(m/m)           | 002029                            |                        |   |                 | -034632<br>187.40 |              |                        |   | 094104<br>112.96                             |               |                           |                 |   | 239.70                          |                        |  |                                  |   |
| DISTANCE BTW.<br>H. BENDS (m) |                                   | L= 39.31 2.            | 59g                                       | L= 66.65        | 3.289             | \            | L= 106.13              | 1.16q   | L= 88.25                                     |               | .729                      | L= 69.17        | 52q   | L= 107.79                       |                        | .04g                                   |                                  | 96.859  |
| PIPE DIAMETER<br>PIPE TYPE    | L= 21.81                          |                        | _Ψ  |                 |                   |              |                        |   | DN180 HDPE-100 PIPE                          | (PN10, OU     | TER DIAMETER=180m         | m, t=10.7mm)    | $\nabla$  |                                 |                        | L= 2                                   | (7.94 L=)                        | 25.98   |
| 1/1000<br>4.300<br>5.34       |                                   | //                     | <b>\$38</b>                               |                 |                   | (            | <b>S40</b>             | -/ At   |  | 1             | , H                       | S42             |   | [[]. [ <sup>2</sup> 0. ]. [].   |                        |  |                                  |   |
|                               | COORD<br>NORTH                    | INATES<br>EAST         | STATION<br>(m)                            | DISTANCE<br>(m) | ANGLE<br>(grad)   | 1+900.00     |                        |   | S41  |               |                           |                 |   | SA3.00                          |                        |  | <b>S</b> 44                      | +   |
|                               | 4591869.53                        | 284923.08              | 1+821.81                                  | 29.11           | 0.39              |              |                        |   |  |               |                           |                 |   |                                 |                        |  |                                  |   |
|                               | 4591888.18                        | 284957.70              | 1+861.13                                  | 39.32           | -2.59             |              |                        |   |  |               |                           |                 |   |                                 |                        |  |                                  |   |
|                               | 4591922.16                        | 285015.05              | 1+927.78                                  | 66.66           | 3.28              |              |                        |   |  |               |                           |                 |   |                                 |                        |  |                                  | A.  |
|                               | 4591971.49                        | 285109.01              | 2+033.91                                  | 106.13          | -1.16             |              |                        |   |  |               |                           |                 |   |                                 |                        |  |                                  |   |
| S42                           | 4592013.92                        | 285186.40              | 2+122.17                                  | 88.26           | 0.72              |              |                        |   |  |               |                           |                 |   |                                 |                        |  |                                  | F.  |
| S43                           | 4592046.48                        | 285247.42              | 2+191.34                                  | 69.17           | -0.52             |              |                        |   |  |               |                           |                 |   |                                 |                        |  |                                  | A   |
| S44                           | 4592098.01                        | 285342.12              | 2+299.14                                  | 107.81          | -0.04             |              |                        |   |  |               |                           |                 |   |                                 |                        |  |                                  | 1   |
| S45                           | 4592111.38                        | 285366.65              | 2+327.08                                  | 27.94           | 0.96              |              |                        |   |  |               |                           |                 |   |                                 |                        |  |                                  | 0 1/2   |
| S46<br>                       | 4592123.48                        | 285389.65<br>285428.05 | 2+353.07<br>2+428.58                      | 25.99<br>75.51  | 96.85             |              |                        |   |  |               |                           |                 |   |                                 |                        |  |                                  | · ·   |
|                               | 4592058.46<br>4592045.17          | 285428.05              | 2+428.58                                  | 75.51           | 12.05             |              |                        |   |  |               |                           |                 |   |                                 |                        |  |                                  |   |
| SPECIA                        | L ASSIS <sup>-</sup>              | TANCE F                | FOR PR                                    | OJECT IN        | Y AND S           | EWERAGE      | SAPI) FOR<br>E PROJECT |   | OINT STOCK<br>epublic of Az<br>ational Coope | erbaija       | an                        | site :<br>Gusar | Facility :<br>Plan & Pr<br>Service R<br>Service R | ofile of TL Fr<br>eservoir to Z | rom Zone I<br>Zone III | <sup>⊤itle</sup><br>Betweer<br>KM: 1+8 |                                  | 2+442.73                                      |

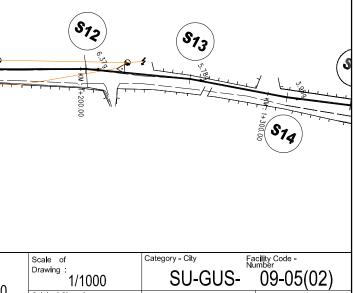


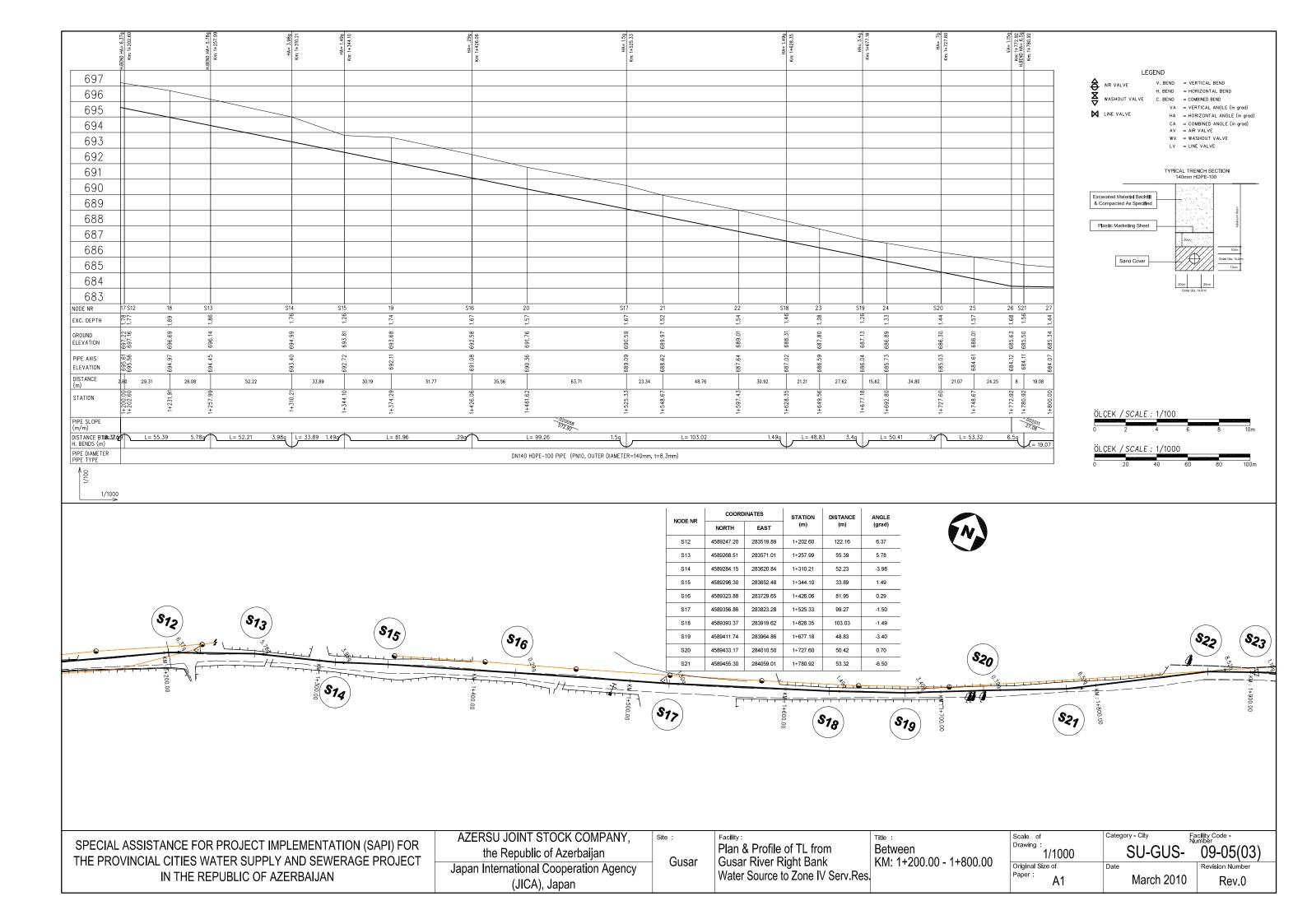


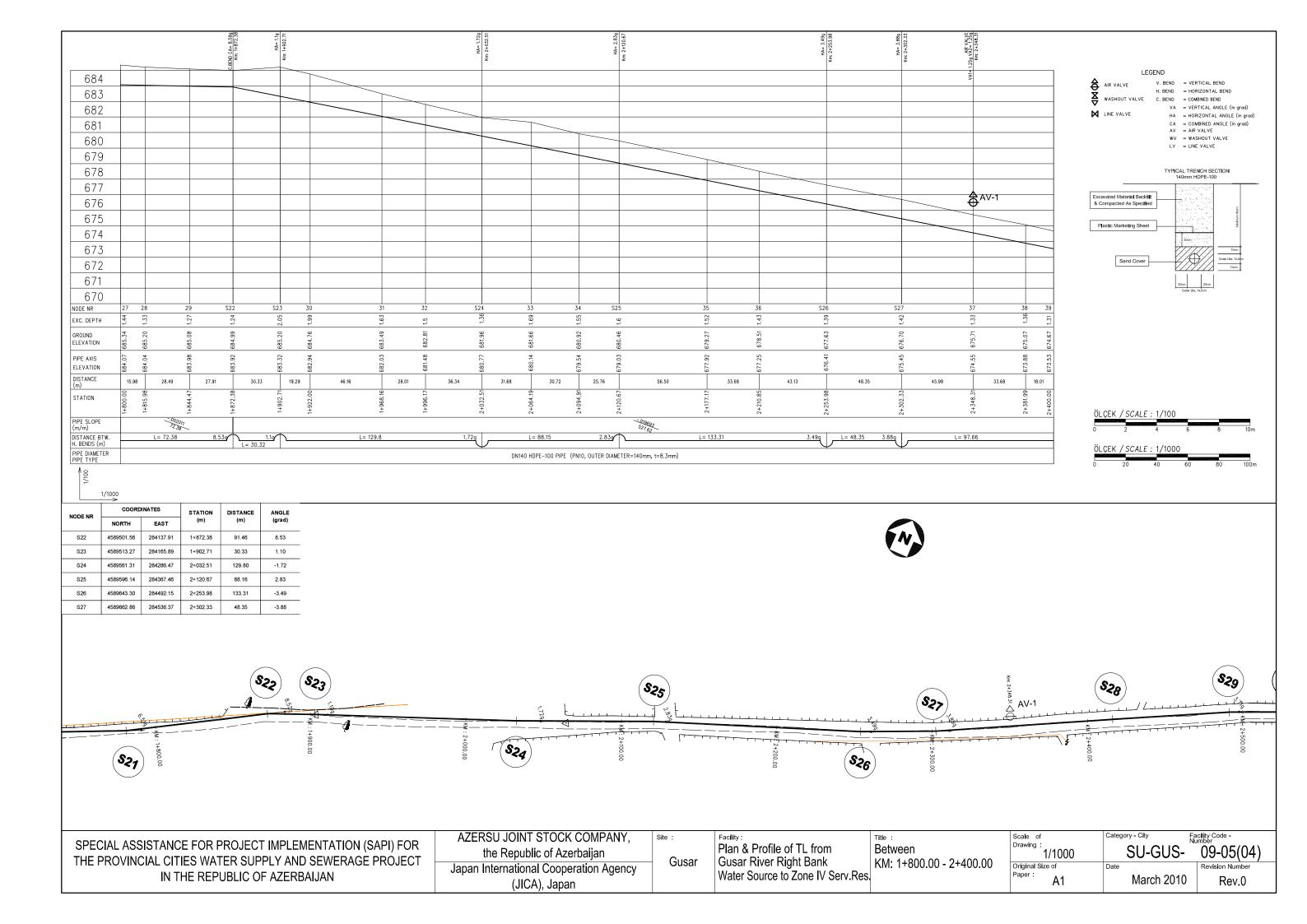
| <u></u> | Drawing 1/1000                    | SU-GUS-            | 09-05(01)       |
|---------|-----------------------------------|--------------------|-----------------|
| 00      | Original Size of<br>Paper :<br>A1 | Date<br>March 2010 | Revision Number |

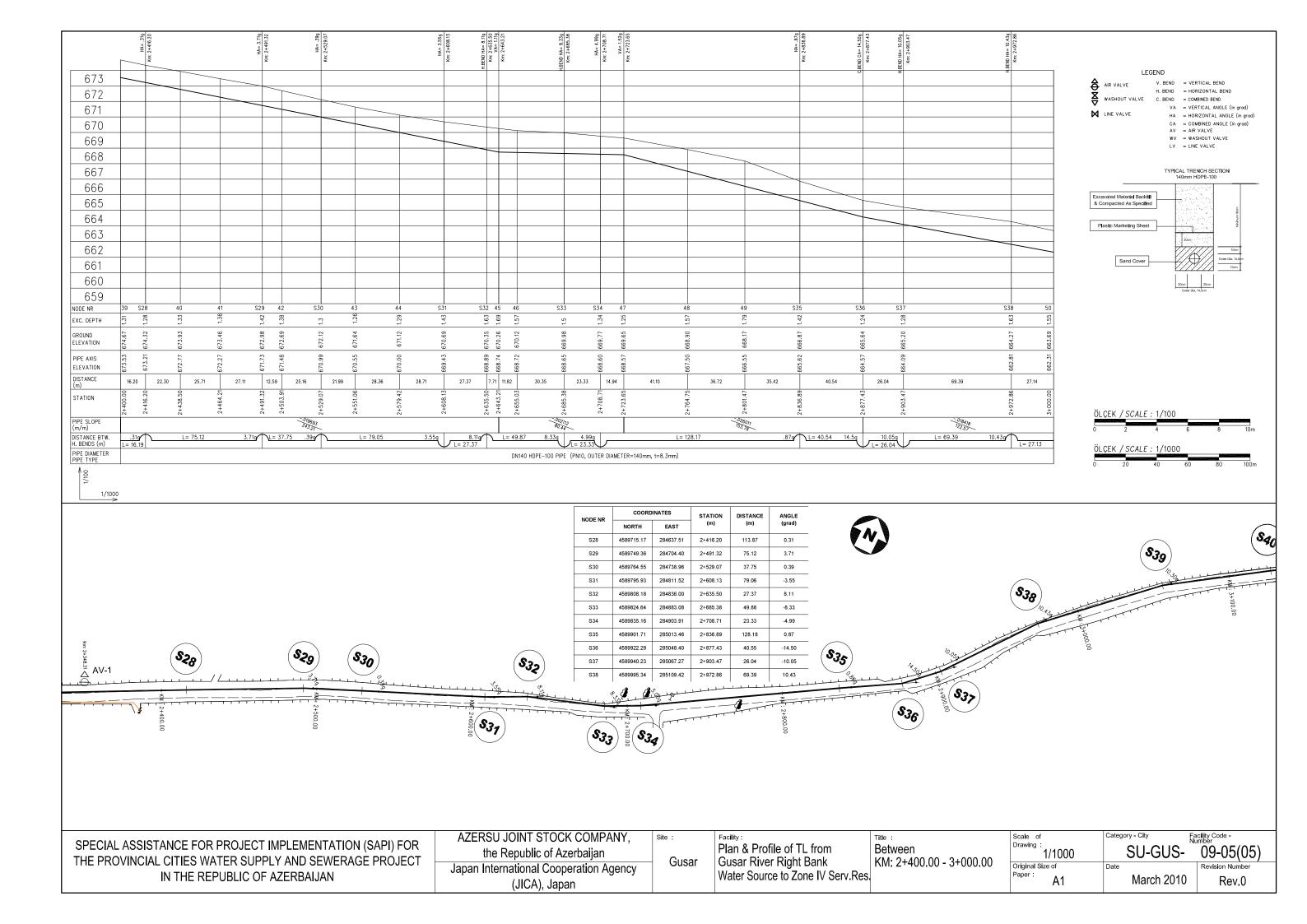
| HA= 36.86 <u>9</u><br>Km0+63.1.95<br>Km0+63.1.95<br>Km0+63.2.99<br>Km0+732.54<br>Km0+732.54   | Mr:D+798.27<br>Mr:D+798.27<br>Mr:D+798.27<br>Mr:D+835.94<br>Mr:D+835.94<br>Mr:D+890.23<br>Mr:D+890.23   |   | HA= 2.48 <u>0</u><br>Km: 1+080.43   |  |
|---|---|---|---|--|
| 707     90       706     705  |   |   |   | AIR VALVE V. BEND = VERTICAL BEND<br>AIR VALVE V. BEND = HORIZONTAL BEND<br>WASHOUT VALVE C. BEND = COMBINED BEND<br>VA = VERTICAL ANGLE (in grad) |
| 703     704       703     702   |   |   |   | LINE VALVE<br>HA = HORIZONTAL ANGLE (in grad)<br>CA = COMBINED ANGLE (in grad)<br>AV = AIR VALVE<br>WV = WASHOUT VALVE<br>LV = LINE VALVE          |
| 701     1       700     1       699     1   |   |   |   | TYPICAL TRENCH SECTION<br>140mm HDPE-100   |
| 698     697     696   |   |   |   | Plastic Marketing Sheet  |
| 695   | S6     10     S7     S8     11  | 12 S9 13 S10  | S11 14 15 16 17   | Sand Cover   |
| All     All <td>3.67 704.74 1.24<br/>3.23 704.51 1.45<br/>22.91 704.41 1.67<br/>21.82 703.76 2.11<br/>01.82 703.26 2.17</td> <td>3.25 702.13 2.05<br/>3.94 701.75 1.98<br/>3.49 701.31 1.99<br/>8.91 700.82 2.08</td> <td>8.01 699.82 1.98<br/>7.48 699.18 1.87<br/>5.75 698.45 1.87<br/>5.26 697.91 1.82<br/>5.61 697.22 1.78</td> <td></td> | 3.67 704.74 1.24<br>3.23 704.51 1.45<br>22.91 704.41 1.67<br>21.82 703.76 2.11<br>01.82 703.26 2.17   | 3.25 702.13 2.05<br>3.94 701.75 1.98<br>3.49 701.31 1.99<br>8.91 700.82 2.08  | 8.01 699.82 1.98<br>7.48 699.18 1.87<br>5.75 698.45 1.87<br>5.26 697.91 1.82<br>5.61 697.22 1.78                          |  |
| (m)     (m)       0+601,00     0+601,00       0+612,80     0+612,80       0+612,55     0       0+772,822,54     0   | 102     15.92     54.29     28.23       25.45     21.75     15.92     54.29     28.23       25.45     21.75     15.92     54.29     99.8166+0       26.45     21.75     15.92     54.29     99.8166+0 | 50.11     15.59     22.21     29.34     44.72       10     15.59     22.21     29.34     44.72       10     15     91     15     15       10     10     15     10     15       10     10     10     10     10       10     10     10     10     10       10     10     10     10     10 | 69     36.82     24.05     32.56       26.14     36.82     24.05     32.56       EY-080+11     65     57.14     00.007.14 | ÖLÇEK / <i>SCALE</i> : 1/100   |
| PIPE SLOPE<br>(m/m)     -07246       DISTANCE BTW.     L= 33.95 36.86g     L= 48.64     15.94g     L= 69.94     56.65g     L= 45.73       H. BENDS (m)     PIPE DIAMETER<br>PIPE TYPE   | 7.229 L= 37.66 15.879 L= 54.28 .369 L= 93<br>DN140 HDPE-100 PIPE (PN10, OUTER DIAMETER=14   |   | 8g L= 119.56  | 0 2 4 6 8 10m<br>ÖLÇEK <i>/ SCALE</i> : 1/1000<br>0 20 40 60 80 100m   |
| 1/1000<br>S<br>S<br>RETAINING WALL<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S   | So S>   | <b>S</b> 9  |   |  |
| NODE NR     COORDINATES     STATION<br>(m)     DISTANCE<br>(m)     ANGLE<br>(grad)       S3     4589063.36     283000.05     0+633.95     163.21     36.86       S4     4589066.52     283048.59     0+682.59     48.65     15.94   | 0+800.00<br><b>\$8</b><br><b>0</b> 0000   | S10 (   | S72<br>S72<br>S72<br>S72<br>S72<br>S72<br>S72<br>S72  |  |
| S5     4589053.63     283117.34     0+752.54     69.94     -56.65       S6     4589083.26     283152.18     0+798.27     45.73     7.22       S7     4589104.25     283183.46     0+835.94     37.67     15.87       S8     458912.45     28323.61     0+890.23     54.28     -0.36       S9     4589154.44     283322.92     0+984.16     93.93     3.27       S10     4589169.48     283372.23     1+035.71     51.55     -10.17       S11     4589189.17     283412.38     1+080.43     44.72     -2.48  |   |   |   | STA  |
| SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) F<br>THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJE<br>IN THE REPUBLIC OF AZERBAIJAN  |   | Site : Facility :<br>Plan & Profile of TL from<br>Gusar Gusar River Right Bank<br>Water Source to Zone IV Serv.R  | Title :<br>Between<br>KM: 0+600.00 - 1+200.00   | 00 Category - City Facility Code -<br>Number<br>SU-GUS- 09-05(02)  |

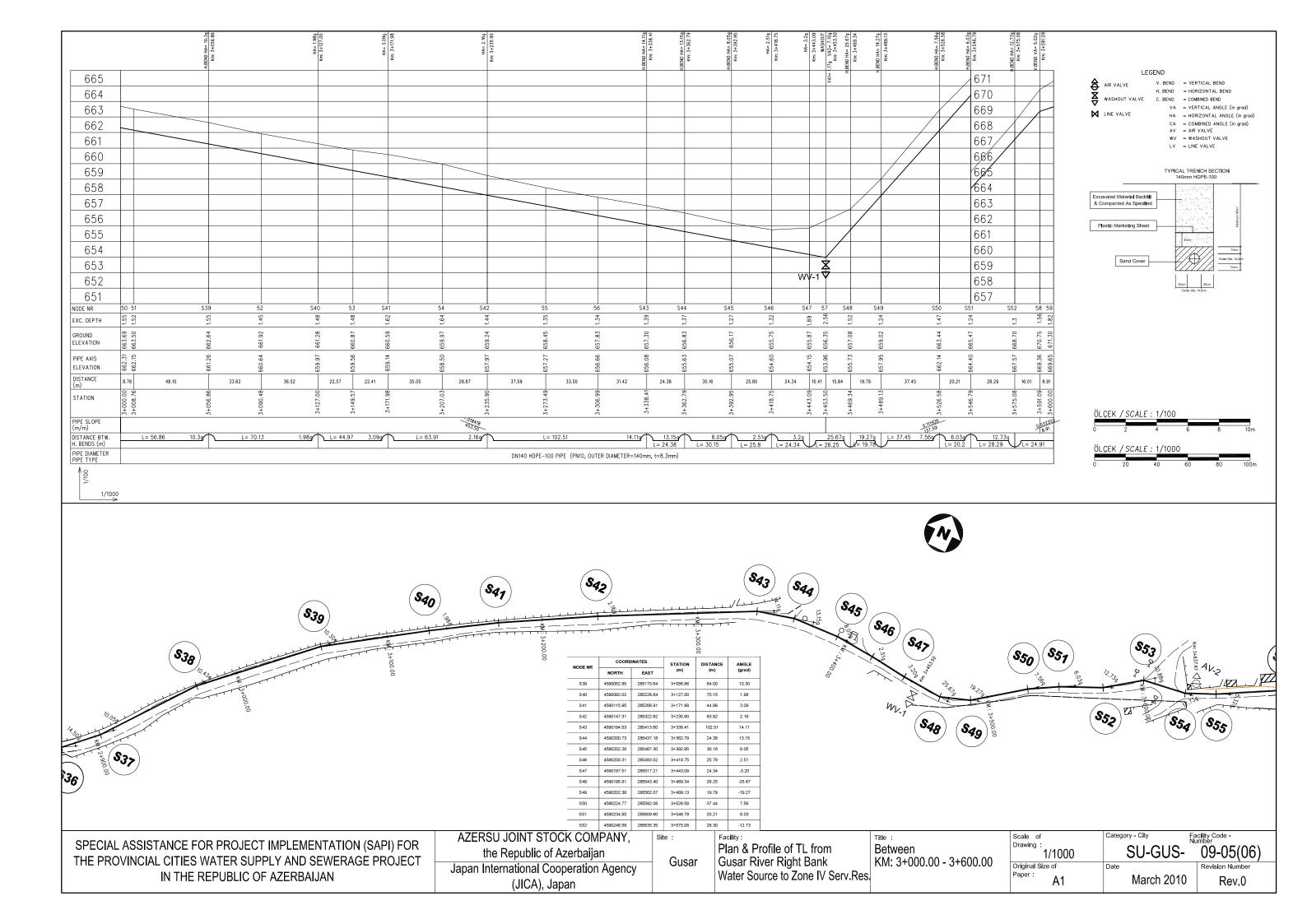


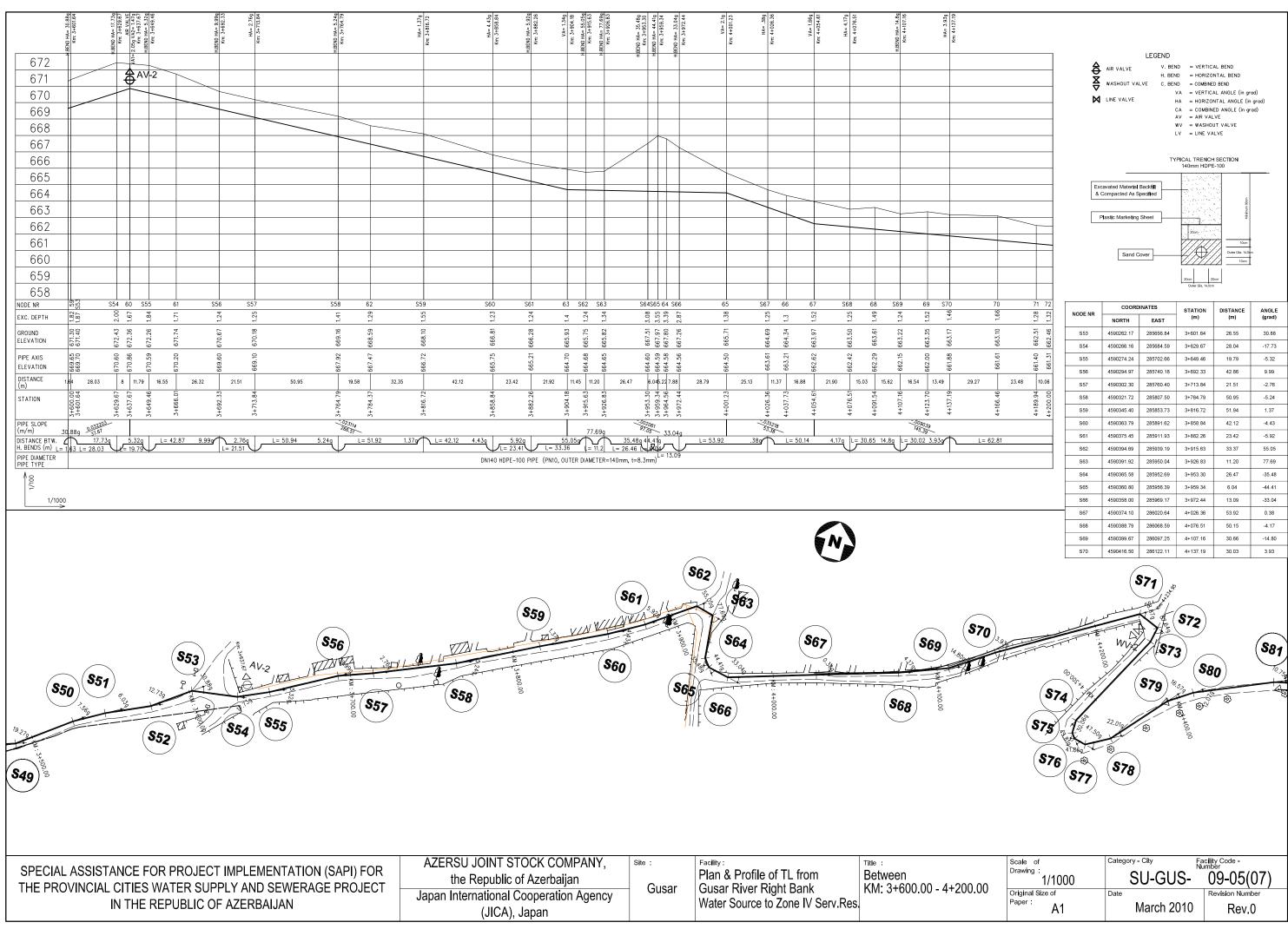




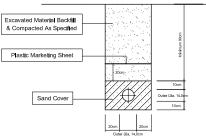






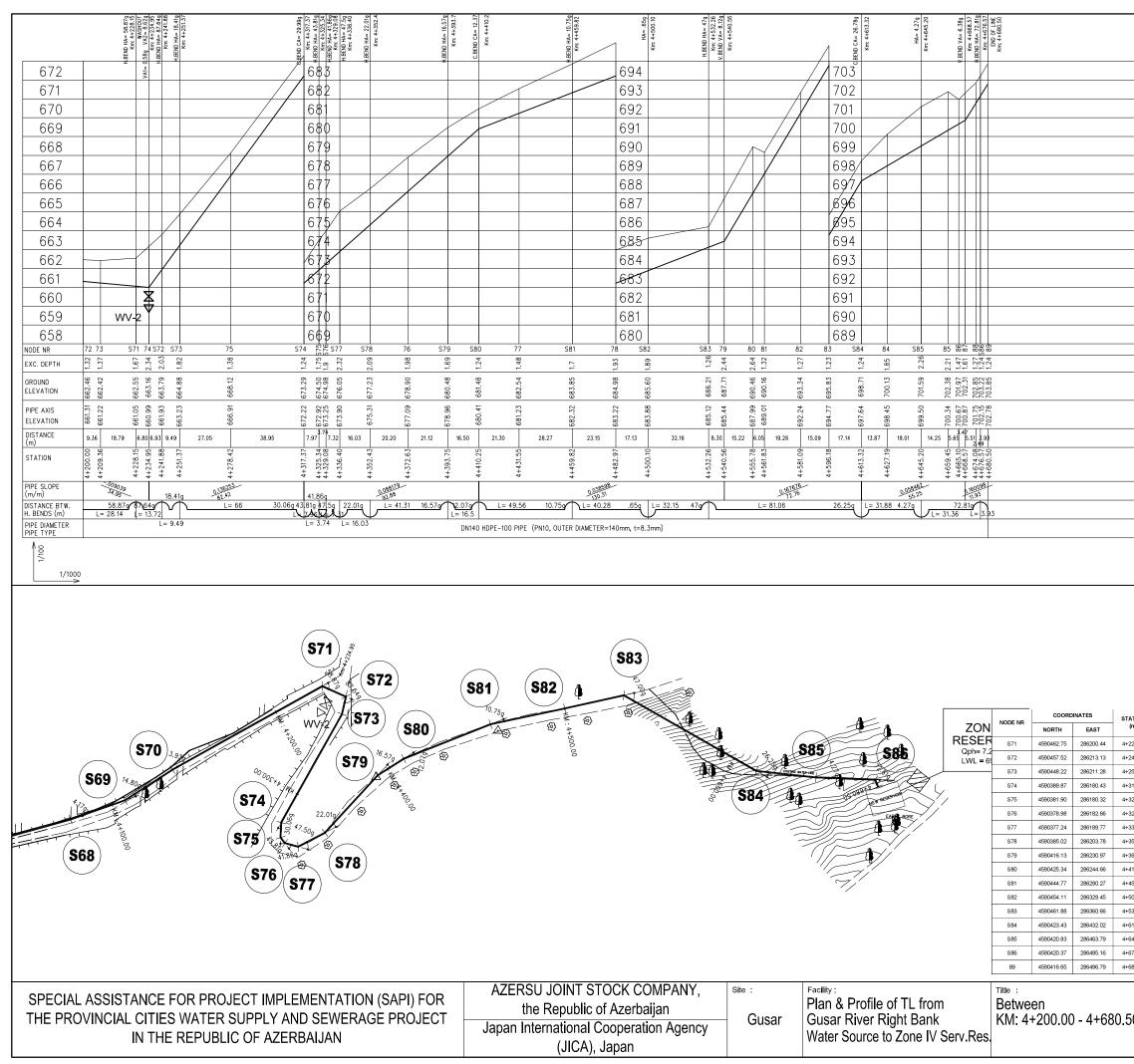






| NODE NR | COORD      | INATES    | STATION  | DISTANCE | ANGLE  |
|---------|------------|-----------|----------|----------|--------|
| NODE NR | NORTH      | EAST      | (m)      | (m)      | (grad) |
| S53     | 4590262.17 | 285656.84 | 3+601.64 | 26.55    | 30.88  |
| S54     | 4590266.16 | 285684.59 | 3+629.67 | 28.04    | -17.73 |
| S55     | 4590274.24 | 285702.66 | 3+649.46 | 19.79    | -5.32  |
| S56     | 4590294.97 | 285740.18 | 3+692.33 | 42.86    | 9.99   |
| S57     | 4590302.30 | 285760.40 | 3+713.84 | 21.51    | -2.76  |
| S58     | 4590321.72 | 285807.50 | 3+764.79 | 50.95    | -5.24  |
| S59     | 4590345.40 | 285853.73 | 3+816.72 | 51.94    | 1.37   |
| S60     | 4590363.79 | 285891.62 | 3+858.84 | 42.12    | -4.43  |
| S61     | 4590375.45 | 285911.93 | 3+882.26 | 23.42    | -5.92  |
| S62     | 4590394.69 | 285939.19 | 3+915.63 | 33.37    | 55.05  |
| S63     | 4590391.92 | 285950.04 | 3+926.83 | 11.20    | 77.69  |
| S64     | 4590365.58 | 285952.69 | 3+953.30 | 26.47    | -35.48 |
| S65     | 4590360.80 | 285956.39 | 3+959.34 | 6.04     | -44.41 |
| S66     | 4590358.00 | 285969.17 | 3+972.44 | 13.09    | -33.04 |
| S67     | 4590374.10 | 286020.64 | 4+026.36 | 53.92    | 0.38   |
| S68     | 4590388.79 | 286068.59 | 4+076.51 | 50.15    | -4.17  |
| S69     | 4590399.67 | 286097.25 | 4+107.16 | 30.66    | -14.80 |
| S70     | 4590416.50 | 286122.11 | 4+137.19 | 30.03    | 3.93   |

|    | Scale of            | Category - City Fa | acility Code -<br>umber |
|----|---------------------|--------------------|-------------------------|
| 00 | Drawing :<br>1/1000 | SU-GUS-            | 09-05(07)               |
| 00 | Original Size of    | Date               | Revision Number         |
|    | Paper : A1          | March 2010         | Rev.0                   |



|                  |                 |                  | ₿  | AIR VALVE  | GEND<br>V. BEND    | = VER        |                     |                          |         |
|------------------|-----------------|------------------|----|--|--------------------|--------------|---------------------|--------------------------|---------|
|                  |                 |                  | Ž  | WASHOUT VALVE                                      | H. BEND<br>C. BEND | = COME       | IZONTAI<br>BINED BE | ND                       |         |
|                  |                 |                  | M  | LINE VALVE   | VA<br>HA           | = HOR        | IZONTAL             | NGLE (in g<br>. ANGLE (i | n grad) |
|                  |                 |                  |    |  | CA<br>AV           | = AIR        | VALVE               | NGLE (in ç               | rad)    |
|                  |                 |                  |    |  | WV<br>LV           |              | HOUT V<br>VALVE     | ALVE                     |         |
|                  |                 |                  |    |  | TYPIC              | AL TREM      | ICH SE              | CTION                    |         |
|                  |                 |                  |    |  | 14                 | 40mm HI      | DPE-100             |                          |         |
|                  |                 |                  |    | avated Material Backfill<br>Compacted As Specified |                    |              |                     | E                        |         |
|                  |                 |                  |    | la dia Mandradia an Obrasi                         | إ ر                |              |                     | Minimum 90cm             |         |
|                  |                 |                  |    | lastic Marketing Sheet                             |                    | 20cm         |                     | 2                        |         |
|                  |                 |                  |    |  |                    |              |                     | 10cm                     | ţ       |
|                  |                 |                  |    | Sand Cover   |                    | ///          |                     | Outer Dia, 14.0          | em<br>T |
|                  |                 |                  |    |  | Ī                  | 20cm         | 20cm                |                          |         |
|                  |                 |                  |    |  | F                  | Outer Dia, 1 |                     |                          |         |
|                  |                 |                  |    |  |                    |              |                     |                          |         |
|                  |                 |                  |    |  |                    |              |                     |                          |         |
|                  |                 |                  |    |  |                    |              |                     |                          |         |
|                  |                 |                  |    |  |                    |              |                     |                          |         |
|                  |                 |                  |    |  |                    |              |                     |                          |         |
|                  |                 |                  |    |  |                    |              |                     |                          |         |
|                  |                 |                  |    |  |                    |              |                     |                          |         |
|                  |                 |                  | ÖL | .ÇEK / SCALE                                       | : <u>1/1</u> 00    |              |                     |                          |         |
|                  |                 |                  | 0  | 2  | 4                  | 6            |                     | 8                        | 10m     |
|                  |                 |                  | öı | .ÇEK / SCALE                                       | • 1/1000           | h            |                     |                          |         |
|                  |                 |                  |    | 20   | 40                 | ,<br>60      |                     | 80                       | 100m    |
|                  |                 |                  | 0  | 20   | 40                 | 00           |                     | 00                       | 100111  |
|                  |                 |                  |    |  |                    |              |                     |                          |         |
|                  |                 |                  |    |  |                    |              |                     |                          |         |
| ATION<br>(m)     | DISTANCE<br>(m) | ANGLE<br>(grad)  |    |  |                    |              |                     |                          |         |
| 228.15           | 90.96           | 58.87            |    |  |                    |              |                     |                          |         |
| 241.88           | 13.73           | 87.64            |    |  |                    |              |                     |                          |         |
| 251.37<br>317.37 | 9.48            | -30.06           |    |  |                    |              |                     |                          |         |
| 325.34           | 7.97            | -43.81           |    |  |                    |              |                     |                          |         |
| 329.08           | 3.75            | -41.86           |    |  |                    |              |                     |                          |         |
| 336.40<br>352.43 | 7.32            | -47.50<br>-22.01 |    |  |                    |              |                     |                          |         |
| 352.43<br>393.75 | 41.32           | -22.01           |    |  |                    |              |                     |                          |         |
| 410.25           | 16.50           | 12.07            |    |  |                    |              |                     |                          |         |
| 459.82           | 49.57           | 10.75            |    |  |                    |              |                     |                          |         |
| 500.10           | 40.29           | -0.65            |    |  |                    |              |                     |                          |         |
| 532.26<br>613.32 | 32.16<br>81.06  | 47.00            |    |  |                    |              |                     |                          |         |
| 645.20           | 31.88           | -4.27            |    |  |                    |              |                     |                          |         |
| 676.57           | 31.37           | 72.81            | 1  |  |                    |              |                     |                          |         |
| 680.50           | 3.93            |                  |    |  |                    |              |                     |                          |         |
|                  |                 | of               |    | Category - City                                    |                    | Fa<br>Nu     | cility C<br>mber    | ode -                    |         |
| -0               | Drawing         | 1/1000           | )  | SU-  | GUS                | )—           | 09                  | -05(                     | (08)    |
| 50               | Original        |                  |    | Date   |                    |              |                     | sion Nun                 | · /     |
|                  | Paper :         | A1               |    | Mar  | ch 201             | 0            |                     | Rev                      | .0      |
|                  | 1               |                  |    | 1  |                    |              |                     |                          |         |