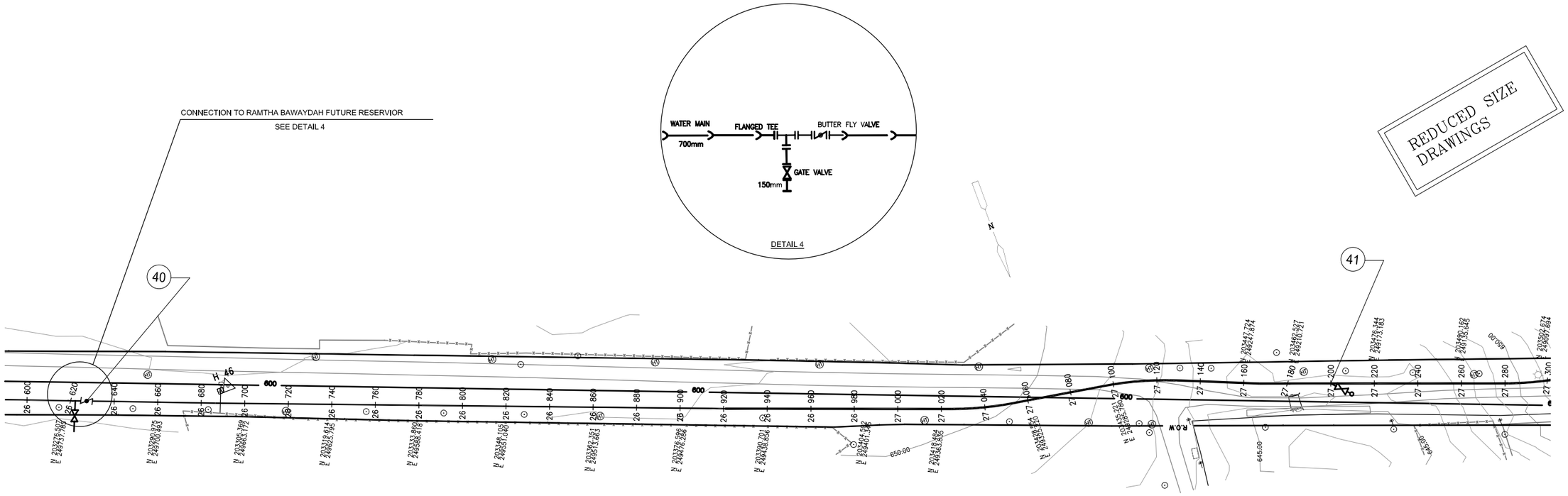
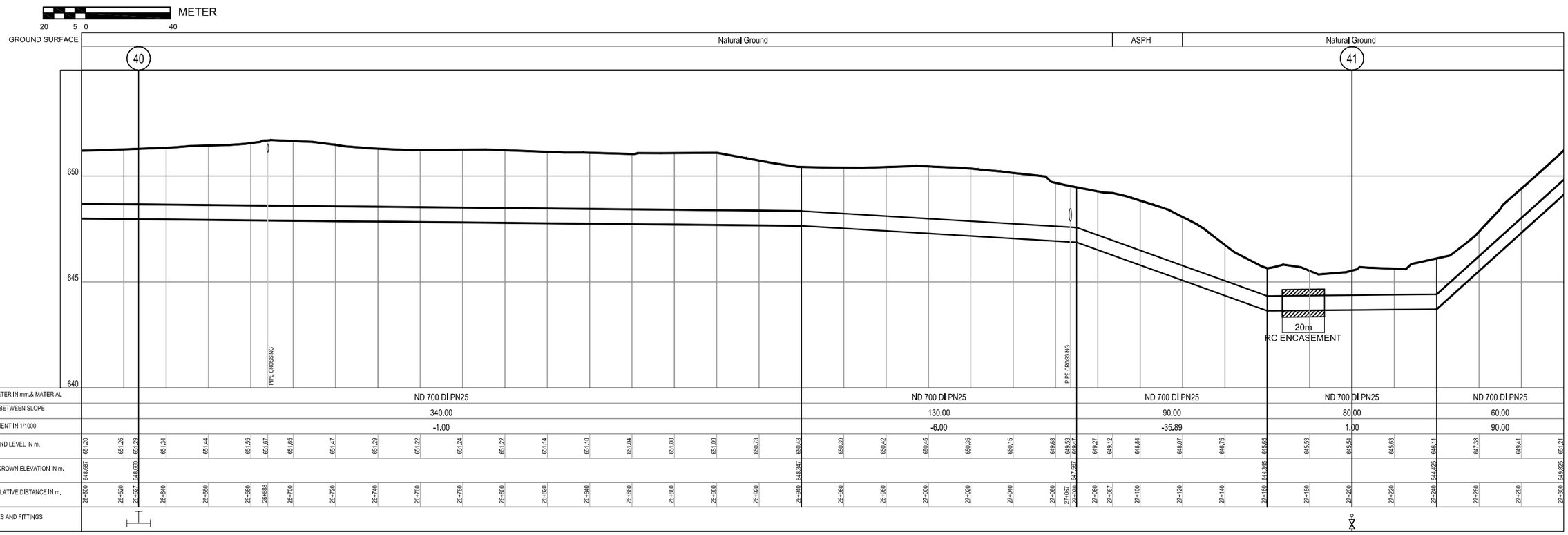



| REV. | DATE | DRAWN | CHKD | REMARKS |
|---|---|---|---|---|
| | | | | |

| DESIGNED: | CHECKED: | SCALE: |
|---|---|---|
| L.H. & A.H. | S.Q. | V= 1:100 H= 1:1000 |
| DRAWN: N.K. | APPROVED: M.M. | DATE: NOV. 2005 |

CDM International Inc.

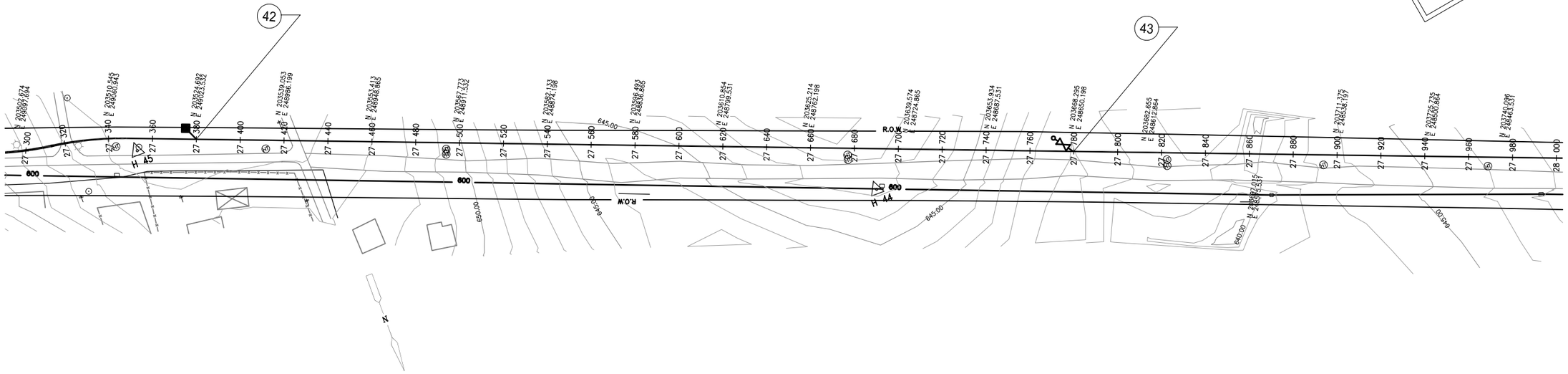
NORTHERN GOVERNORATES WATER TRANSMISSION
Eastern Primary Transmission System

**PIPELINE PLAN AND PROFILE**
**ST.** 26+600 - 27+300

PROJECT NO. : 3029-42324

DRAWING NO. : P-39

REDUCED SIZE DRAWINGS




METER
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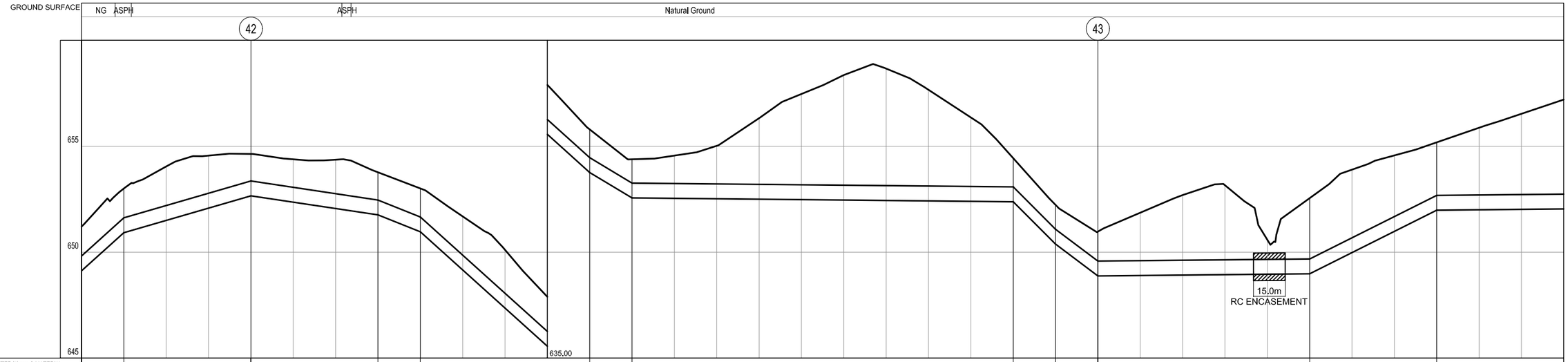



| DIAMETER IN mm.& MATERIAL | ND 700 DI PN25 | ND 700 DI PN25 | ND 700 DI PN25 | ND 700 DI PN25 | ND 700 DI PN25 | ND 700 DI PN25 | ND 700 DI PN25 | ND 700 DI PN25 | ND 700 DI PN25 | ND 700 DI PN25 | ND 700 DI PN25 | ND 700 DI PN25 | ND 700 DI PN25 | ND 700 DI PN25 | ND 700 DI PN25 | ND 700 DI PN25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DIST. BETWEEN SLOPE | 20.00 | 60.00 | 60.00 | 20.00 | 80.00 | 20.00 | 180.00 | 20.00 | 20.00 | 100.00 | 60.00 | 60.00 |
| GRADIENT IN 1/1000 | 90.00 | 29.00 | -15.00 | -40.00 | -90.00 | -60.00 | -1.00 | +100.00 | -75.00 | 1.00 | 50.00 | 1.00 |
| GROUND LEVEL IN m. | 651.21 652.63 653.01 653.19 654.05 654.56 654.64 654.38 654.37 654.38 654.32 653.77 653.01 651.69 650.11 647.90 645.80 | 644.38 644.56 645.02 646.33 647.47 648.36 648.68 647.68 646.36 644.44 642.23 640.97 641.86 642.69 643.16 640.58 642.55 643.50 644.57 645.18 645.87 646.53 647.20 |
| PIPE CROWN ELEVATION IN m. | 649.825 651.625 653.365 652.465 651.665 644.465 643.265 643.085 641.085 639.885 639.885 642.885 642.285 |
| CUMULATIVE DISTANCE IN m. | 27+300 27+316 27+320 27+324 27+340 27+360 27+380 27+400 27+420 27+423 27+427.3 27+440 27+460 27+480 27+500 27+520 27+540 27+560 27+580 27+600 27+620 27+640 27+660 27+680 27+700 27+720 27+740 27+760 27+780 27+800 27+820 27+840 27+860 27+880 27+900 27+920 27+940 27+960 27+980 28+000 |
| VALVES AND FITTINGS | ◆ | ⧖ |

| REV. | DATE | DRAWN | CHKD | REMARKS |
|---|---|---|---|---|
| | | | | |

| DESIGNED: | CHECKED: | SCALE: |
|---|---|---|
| L.H. & A.H. | S.Q. | V= 1:100 H= 1:1000 |
| DRAWN: | APPROVED: | DATE: |
| N.K. | M.M. | NOV. 2005 |

CDM
CDM International Inc.

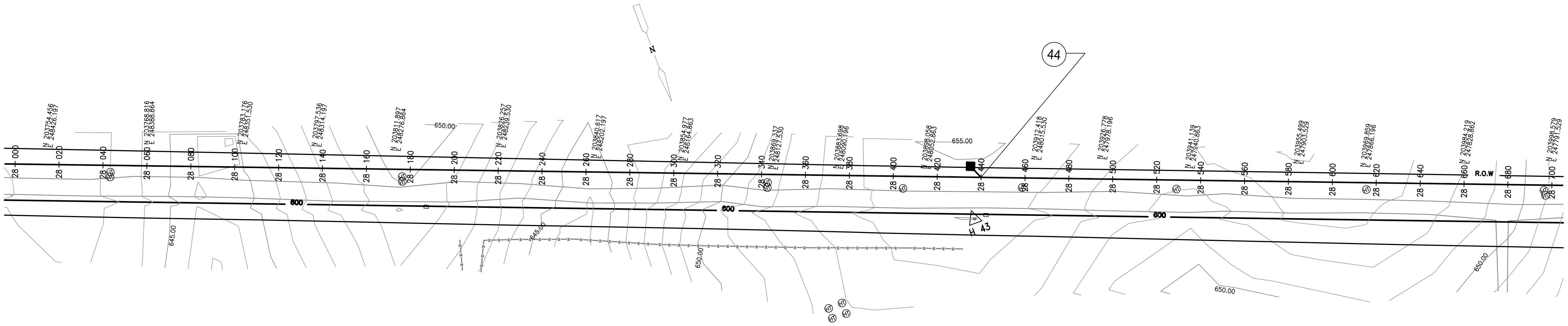
NORTHERN GOVERNORATES WATER TRANSMISSION
Eastern Primary Transmission System

**PIPELINE PLAN AND PROFILE**
**ST.** 27+300 - 28+000

PROJECT NO. : 3029-42324

DRAWING NO. : P-40

REDUCED SIZE DRAWINGS




METER
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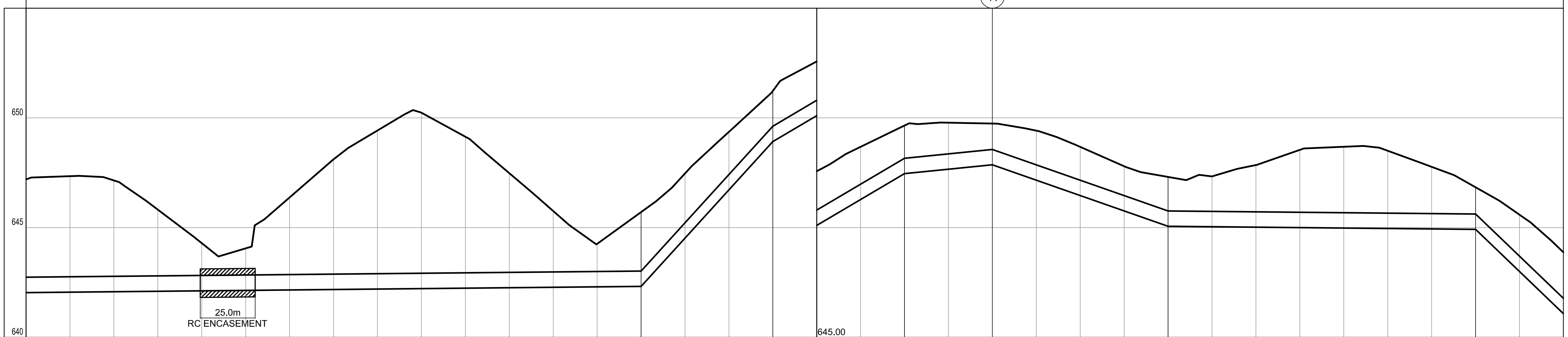



| DIAMETER IN mm.& MATERIAL | DIST. BETWEEN SLOPE | GRADIENT IN 1/1000 | From | To |
|---|---|---|---|---|
| ND 700 DI PN25 | 280.00 | 1.00 | 28+000 | 28+280 |
| ND 700 DI PN25 | 60.00 | 110.00 | 28+280 | 28+340 |
| ND 700 DI PN25 | 60.00 | 59.00 | 28+340 | 28+400 |
| ND 700 DI PN25 | 40.00 | 10.00 | 28+400 | 28+440 |
| ND 700 DI PN25 | 80.00 | -35.00 | 28+440 | 28+520 |
| ND 700 DI PN25 | 140.00 | -1.00 | 28+520 | 28+660 |
| ND 700 DI PN25 | 40.00 | -96.00 | 28+660 | 28+700 |

| CUMULATIVE DISTANCE IN m. | GROUND LEVEL IN m. | PIPE CROWN ELEVATION IN m. | VALVES AND FITTINGS |
|---|---|---|---|
| 28+000 | 647.20 | 642.745 | |
| 28+020 | 647.34 | | |
| 28+040 | 647.15 | | |
| 28+060 | 645.82 | | |
| 28+080 | 644.29 | | |
| 28+100 | 644.05 | | |
| 28+120 | 646.37 | | |
| 28+140 | 648.11 | | |
| 28+160 | 649.43 | | |
| 28+180 | 650.24 | | |
| 28+200 | 649.14 | | |
| 28+220 | 647.48 | | |
| 28+240 | 645.76 | | |
| 28+260 | 644.26 | | |
| 28+280 | 645.71 | 643.025 | |
| 28+300 | 647.47 | | |
| 28+320 | 649.36 | | |
| 28+340 | 651.23 | 649.625 | |
| 28+360 | 652.57 | | |
| 28+380 | 653.68 | | |
| 28+400 | 654.65 | 653.165 | |
| 28+420 | 654.78 | | |
| 28+440 | 654.74 | 653.565 | |
| 28+460 | 654.42 | | |
| 28+480 | 653.68 | | |
| 28+500 | 652.80 | | |
| 28+520 | 652.31 | 650.765 | |
| 28+540 | 652.33 | | |
| 28+560 | 652.85 | | |
| 28+580 | 653.55 | | |
| 28+600 | 653.69 | | |
| 28+620 | 653.50 | | |
| 28+640 | 652.77 | | |
| 28+660 | 651.84 | 650.625 | |
| 28+680 | 650.59 | | |
| 28+700 | 648.87 | 646.785 | |

| REV. | DATE | DRAWN | CHKD | REMARKS |
|---|---|---|---|---|
| | | | | |

| DESIGNED: | CHECKED: | SCALE: |
|---|---|---|
| L.H. & A.H. | S.Q. | V= 1:100 H= 1:1000 |
| DRAWN: N.K. | APPROVED: M.M. | DATE: NOV. 2005 |

Water Authority - Jordan

USAID FROM THE AMERICAN PEOPLE

CDM International Inc.

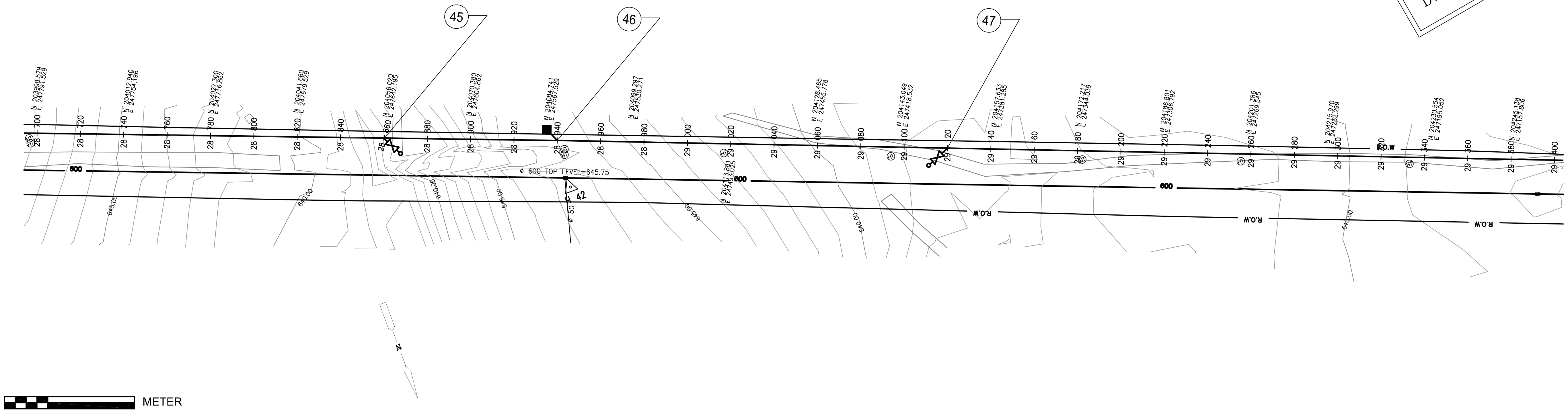
NORTHERN GOVERNORATES WATER TRANSMISSION
Eastern Primary Transmission System

**PIPELINE PLAN AND PROFILE**
**ST.** 28+000 - 28+700

PROJECT NO. : 3029-42324

DRAWING NO. : P-41

REDUCED SIZE DRAWINGS




METER

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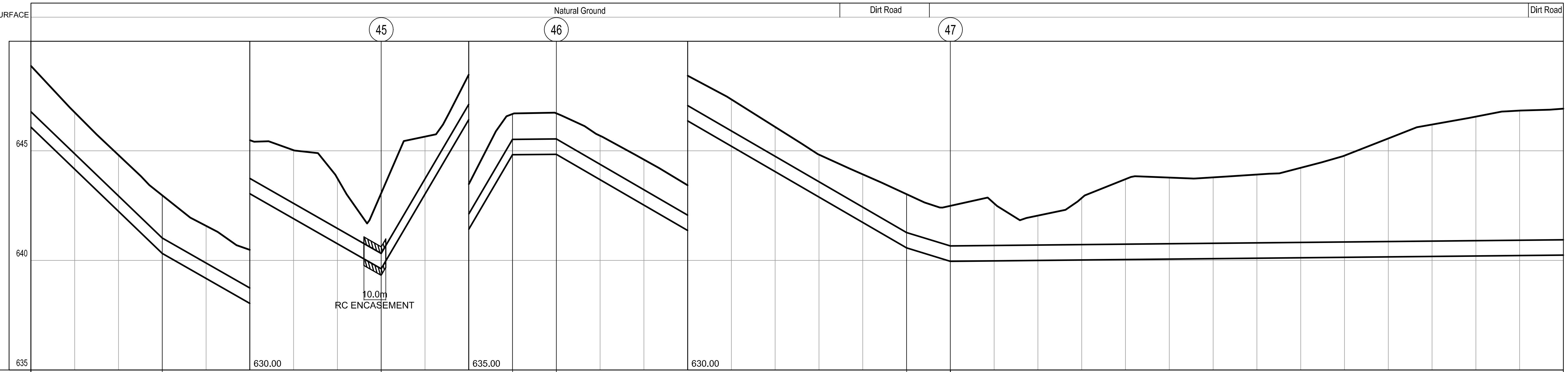


| DIAMETER IN mm.& MATERIAL | DIST. BETWEEN SLOPE | GRADIENT IN 1/1000 |
|---|---|---|
| ND 700 DI PN25 | 60.00 | -96.00 |
| ND 700 DI PN25 | 100.00 | -57.00 |
| ND 700 DI PN25 | 60.00 | 170.00 |
| ND 700 DI PN25 | 20.00 | 1.00 |
| ND 700 DI PN25 | 160.00 | -57.94 |
| ND 700 DI PN25 | 20.00 | -30.50 |
| ND 700 DI PN25 | 280.00 | 1.00 |

| CUMULATIVE DISTANCE IN m. | GROUND LEVEL IN m. | PIPE CROWN ELEVATION IN m. | VALVES AND FITTINGS |
|---|---|---|---|
| 28+700 | 648.87 | 646.785 | |
| 28+720 | 646.75 | | |
| 28+740 | 644.81 | | |
| 28+760 | 642.97 | 641.025 | |
| 28+780 | 641.57 | | |
| 28+800 | 640.48 | | |
| 28+820 | 640.03 | | |
| 28+840 | 638.75 | | |
| 28+860 | 638.07 | 635.325 | (valve symbol) |
| 28+880 | 640.65 | | |
| 28+900 | 643.47 | | |
| 28+920 | 646.68 | 645.525 | |
| 28+940 | 646.71 | 645.545 | ◆ |
| 28+960 | 645.69 | | |
| 28+980 | 644.60 | | |
| 29+000 | 643.43 | | |
| 29+020 | 642.34 | | |
| 29+040 | 641.09 | | |
| 29+060 | 639.83 | | |
| 29+069.5 | 639.39 | | |
| 29+080 | 638.93 | | |
| 29+100 | 638.02 | 636.265 | |
| 29+110.4 | 637.57 | | |
| 29+120 | 637.49 | 635.665 | (valve symbol) |
| 29+140 | 637.60 | | |
| 29+160 | 637.04 | | |
| 29+180 | 637.85 | | |
| 29+200 | 638.71 | | |
| 29+220 | 638.78 | | |
| 29+240 | 638.79 | | |
| 29+260 | 638.92 | | |
| 29+280 | 639.23 | | |
| 29+300 | 639.78 | | |
| 29+320 | 640.56 | | |
| 29+340 | 641.20 | | |
| 29+360 | 641.56 | | |
| 29+380 | 641.83 | | |
| 29+384 | 641.84 | | |
| 29+400 | 641.92 | 635.945 | |

| REV. | DATE | DRAWN | CHKD | REMARKS |
|---|---|---|---|---|

| DESIGNED: L.H. & A.H. | CHECKED: S.Q. | SCALE: V= 1:100 H= 1:1000 |
|---|---|---|
| DRAWN: N.K. | APPROVED: M.M. | DATE: NOV. 2005 |

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Eastern Primary Transmission System

**PIPELINE PLAN AND PROFILE**
**ST.** 28+700 - 29+400

PROJECT NO. : 3029-42324

DRAWING NO. : P-42