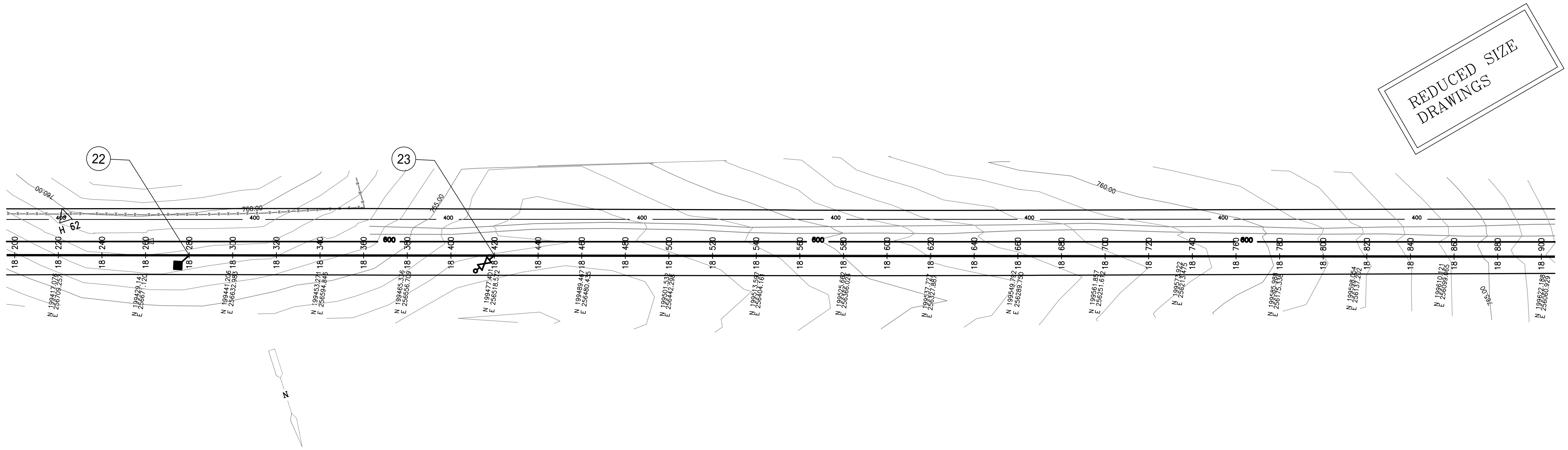
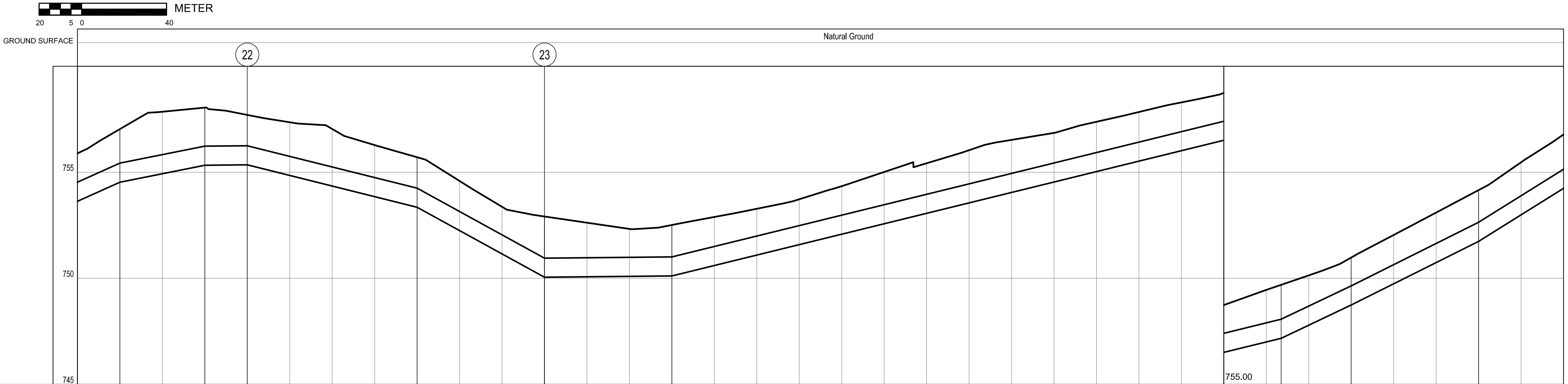




DIAMETER IN mm.& MATERIAL	DIST. BETWEEN SLOPE	GRADIENT IN 1/1000	Stations
ND 900 DI PN16	20.00	45.00	18+200 – 18+220
ND 900 DI PN16	40.00	20.00	18+220 – 18+260
ND 900 DI PN16	20.00	1.00	18+260 – 18+280
ND 900 DI PN16	80.00	-25.00	18+280 – 18+360
ND 900 DI PN16	60.00	-55.00	18+360 – 18+420
ND 900 DI PN16	60.00	1.00	18+420 – 18+480
ND 900 DI PN16	287.00	24.60	18+480 – 18+767
ND 900 DI PN16	33.00	47.58	18+767 – 18+800
ND 900 DI PN16	60.00	50.00	18+800 – 18+860
ND 900 DI PN16	40.00	62.50	18+860 – 18+900

CUMULATIVE DISTANCE IN m.	GROUND LEVEL IN m.	PIPE CROWN ELEVATION IN m.	VALVES AND FITTINGS
18+200	755.89	754.532	
18+220	757.04	755.432	
18+240	757.85		
18+260	758.05	756.232	
18+280	757.71	756.252	◆
18+300	757.36		
18+320	757.04		
18+340	756.28		
18+360	755.71	754.252	
18+380	754.59		
18+400	753.37		
18+420	752.91	750.952	valve
18+440	752.62		
18+460	752.33		
18+480	752.51	751.012	
18+500	752.89		
18+520	753.28		
18+540	753.73		
18+560	754.34		
18+580	755.01		
18+600	755.42		
18+620	756.04		
18+640	756.53		
18+660	756.86		
18+680	757.38		
18+700	757.84		
18+720	758.29		
18+740	758.74		
18+760	759.45		
18+767	759.69	758.072	
18+780	760.14		
18+800	760.98	759.64	
18+820	762.04		
18+840	763.10		
18+860	764.16	762.64	
18+880	765.47		
18+900	766.78		

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

CDM International Inc.

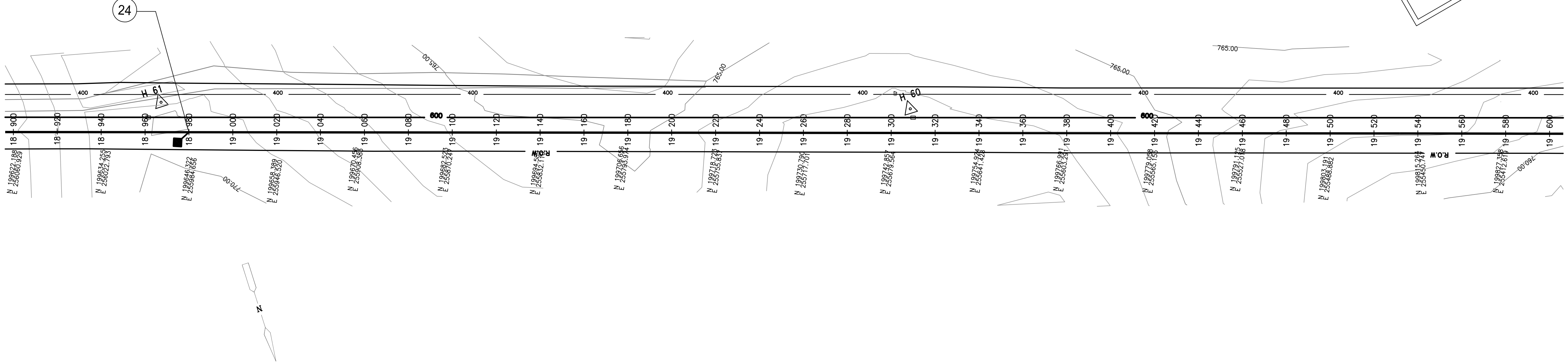
NORTHERN GOVERNORATES WATER TRANSMISSION
Eastern Primary Transmission System

PIPELINE PLAN AND PROFILE
ST. 18+200 - 18+900

PROJECT NO. : 3029-42324

DRAWING NO. : P-27

REDUCED SIZE
DRAWINGS



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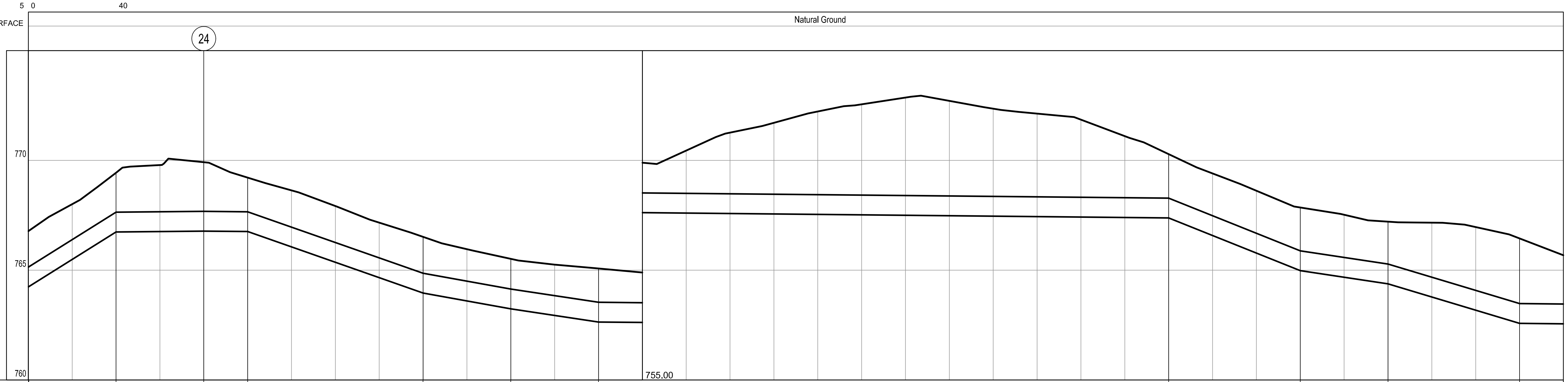

DIAMETER IN mm.& MATERIAL	DIST. BETWEEN SLOPE	GRADIENT IN 1/1000
ND 900 DI PN16	40.00	62.50
ND 900 DI PN16	40.00	1.00
ND 900 DI PN16	20.00	-1.00
ND 900 DI PN16	80.00	-35.00
ND 900 DI PN16	40.00	-18.00
ND 900 DI PN16	40.00	-15.00
ND 900 DI PN16	260.00	-1.00
ND 900 DI PN16	60.00	-40.00
ND 900 DI PN16	40.00	-15.00
ND 900 DI PN16	60.00	-30.00
ND 900 DI PN16	20.00	-1.00

CUMULATIVE DISTANCE IN m.	GROUND LEVEL IN m.	PIPE CROWN ELEVATION IN m.	VALVES AND FITTINGS
18+900	766.78	765.14	
18+920	768.01		
18+940	769.44	767.64	
18+960	769.79		
18+980	769.92	767.68	◆
19+000	769.21	767.66	
19+020	768.64		
19+040	767.92		
19+060	767.17		
19+080	766.52	764.86	
19+100	765.96		
19+120	765.52	764.14	
19+140	765.25		
19+160	765.08	763.54	
19+180	764.90		
19+200	765.45		
19+220	766.26		
19+240	766.71		
19+260	767.23		
19+280	767.55		
19+300	767.86		
19+320	767.71		
19+340	767.35		
19+360	767.13		
19+380	766.85		
19+400	766.10		
19+420	765.29	763.28	
19+440	764.41		
19+460	763.62		
19+480	762.86	760.88	
19+500	762.53		
19+520	762.21	760.28	
19+540	762.17		
19+560	761.97		
19+580	761.45	758.48	
19+600	760.68	758.46	

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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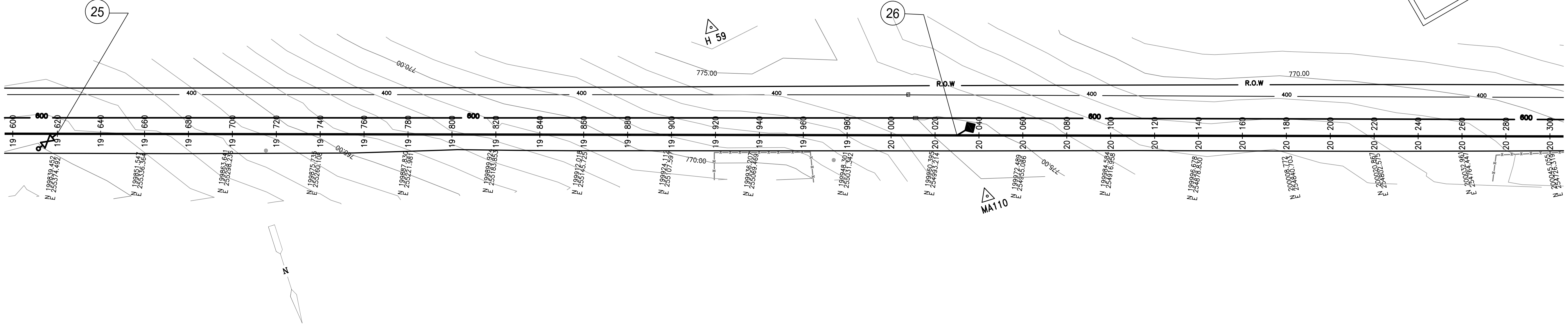
CDM International Inc.

NORTHERN GOVERNORATES WATER TRANSMISSION Eastern Primary Transmission System	PROJECT NO. : 3029-42324
PIPELINE PLAN AND PROFILE **ST.** 18+900 - 19+600	DRAWING NO. : P-28

REDUCED SIZE DRAWINGS



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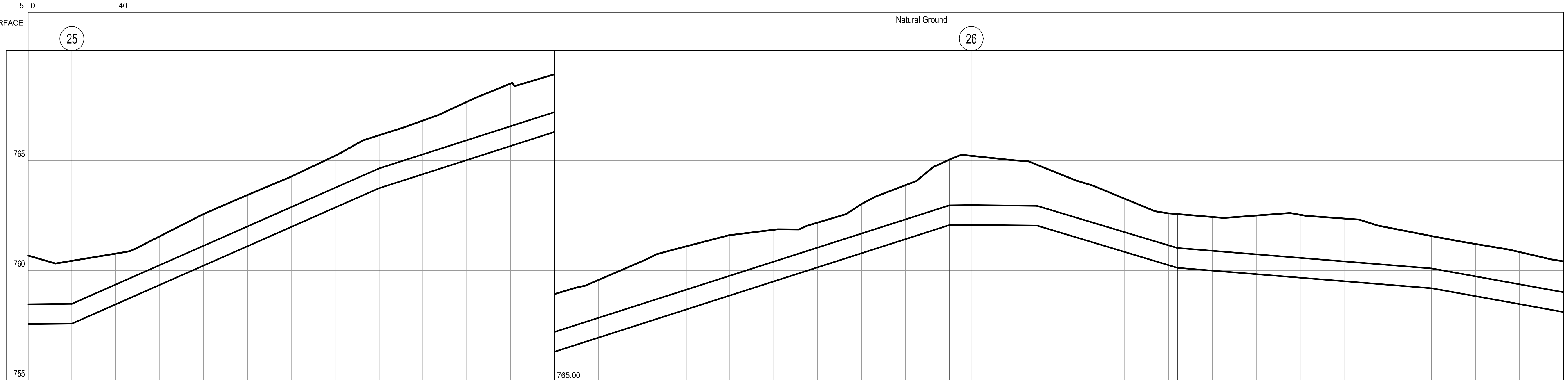

DIAMETER IN mm.& MATERIAL	DIST. BETWEEN SLOPE	GRADIENT IN 1/1000
ND 900 DI PN16	20.00	1.00
ND 900 DI PN16	140.00	44.00
ND 900 DI PN16	260.00	32.00
ND 900 DI PN16	10.00	1.00
ND 900 DI PN16	30.00	-1.00
ND 900 DI PN16	64.00	-30.00
ND 900 DI PN16	116.00	-8.02
ND 900 DI PN16	60.00	-18.00

CUMULATIVE DISTANCE IN m.	GROUND LEVEL IN m.	PIPE CROWN ELEVATION IN m.	VALVES AND FITTINGS
19+600	760.68	758.46	
19+620	760.44	758.48	
19+640	760.77		
19+660	761.55		
19+680	762.57		
19+700	763.43		
19+720	764.27		
19+740	765.22		
19+760	766.15	764.64	
19+780	766.82		
19+800	767.67		
19+820	768.50		
19+840	768.92		
19+860	769.56		
19+880	770.42		
19+900	771.09		
19+920	771.60		
19+940	771.85		
19+960	772.18		
19+980	773.02		
20+000	773.88		
20+020	775.04	772.96	
20+030	775.07	772.97	
20+040	775.11		
20+060	774.80	772.94	
20+080	774.02		
20+100	773.26		
20+120	772.60		
20+124	772.56	771.02	
20+140	772.43		
20+160	772.50		
20+180	772.53		
20+200	772.36		
20+220	771.95		
20+240	771.56	770.092	
20+260	771.20		
20+280	770.84		
20+300	770.41	769.012	

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

Water Authority - Jordan

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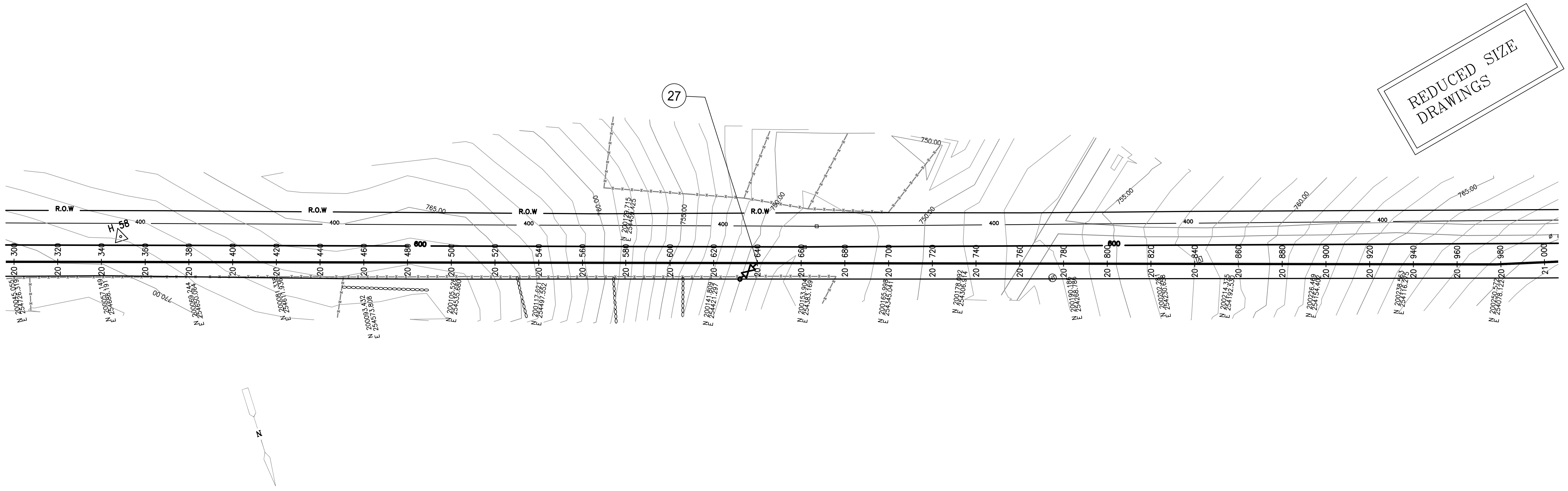
CDM International Inc.

NORTHERN GOVERNORATES WATER TRANSMISSION
Eastern Primary Transmission System

PIPELINE PLAN AND PROFILE
ST. 19+600 - 20+300

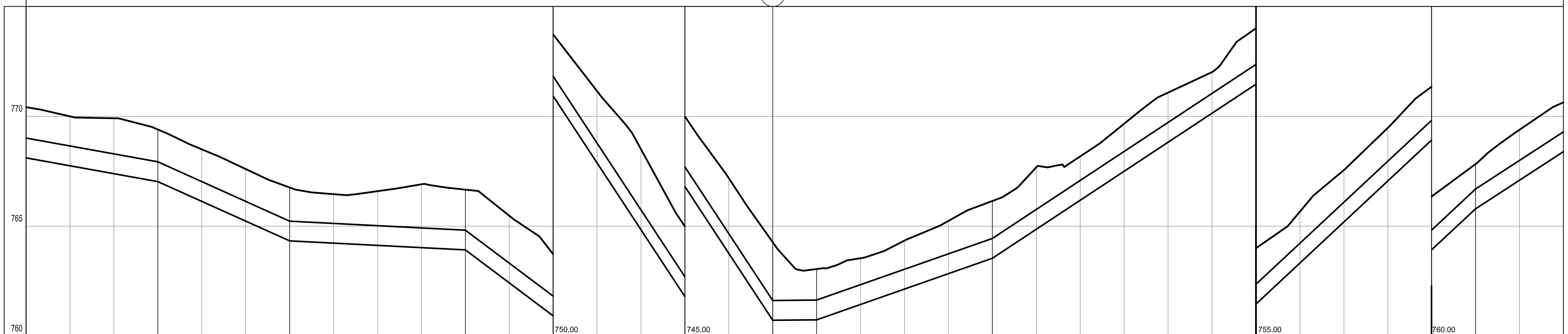
PROJECT NO. : 3029-42324

DRAWING NO. : P-29



METER
20 5 0 40

GROUND SURFACE	Natural Ground	ASPH	Natural Ground



DIAMETER IN mm.& MATERIAL	ND 900 DI PN16	ND 900 DI PN16	ND 900 DI PN16	ND 900 DI PN16	ND 900 DI PN16	ND 900 DI PN16	ND 900 DI PN16	ND 900 DI PN16	ND 900 DI PN16	ND 900 DI PN16
DIST. BETWEEN SLOPE	60.00	60.00	80.00	40.00	100.00	20.00	80.00	120.00	100.00	40.00
GRADIENT IN 1/1000	-18.00	-45.00	-5.13	-75.00	-152.00	1.00	35.00	66.00	93.30	65.00

CUMULATIVE DISTANCE IN m.	20+300	20+320	20+340	20+360	20+380	20+400	20+420	20+440	20+460	20+480	20+500	20+520
GROUND LEVEL IN m.	770.41	770.00	769.91	769.40	768.50	767.60	766.76	766.46	766.59	766.90	766.66	765.47
PIPE CROWN ELEVATION IN m.	769.012			767.932			765.232				764.816	
VALVES AND FITTINGS												

CUMULATIVE DISTANCE IN m.	20+540	20+560	20+580	20+600	20+620	20+640	20+660	20+680	20+700	20+720	20+740	20+760
GROUND LEVEL IN m.	763.73	761.15	758.50	754.99	752.18	749.27	748.05	748.54	749.35	750.24	751.15	752.68
PIPE CROWN ELEVATION IN m.	761.816					746.616	746.636				749.436	
VALVES AND FITTINGS												

CUMULATIVE DISTANCE IN m.	20+780	20+800	20+820	20+840	20+860	20+880	20+900	20+920	20+940	20+960	20+980	21+000
GROUND LEVEL IN m.	753.18	754.66	756.08	757.01	759.00	760.67	762.55	764.48	766.35	767.82	769.39	770.64
PIPE CROWN ELEVATION IN m.					757.356					766.686		769.286
VALVES AND FITTINGS												

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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NORTHERN GOVERNORATES WATER TRANSMISSION
Eastern Primary Transmission System

PIPELINE PLAN AND PROFILE
ST. 20+300 - 21+000

PROJECT NO. : 3029-42324

DRAWING NO. : P-30