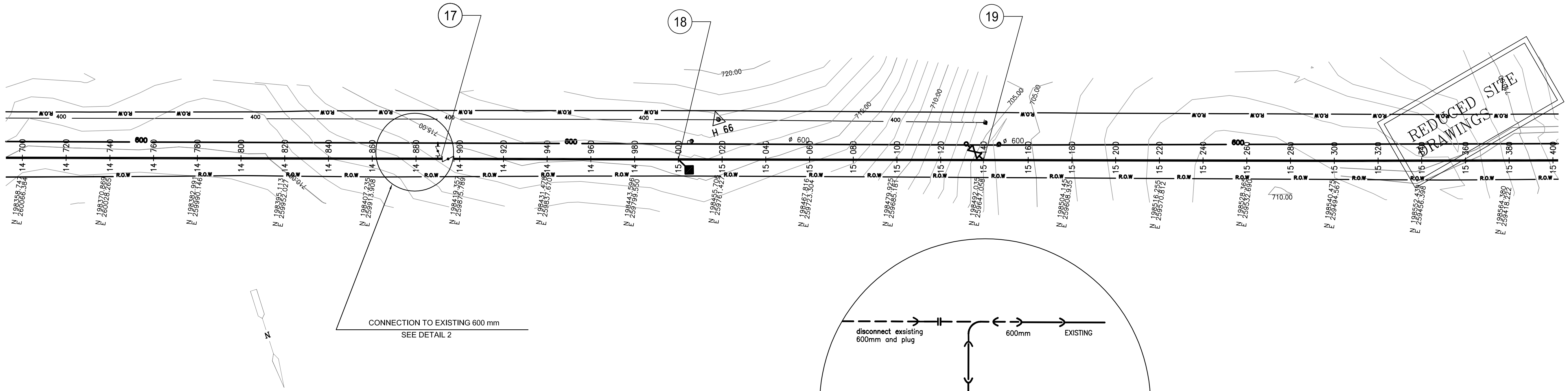
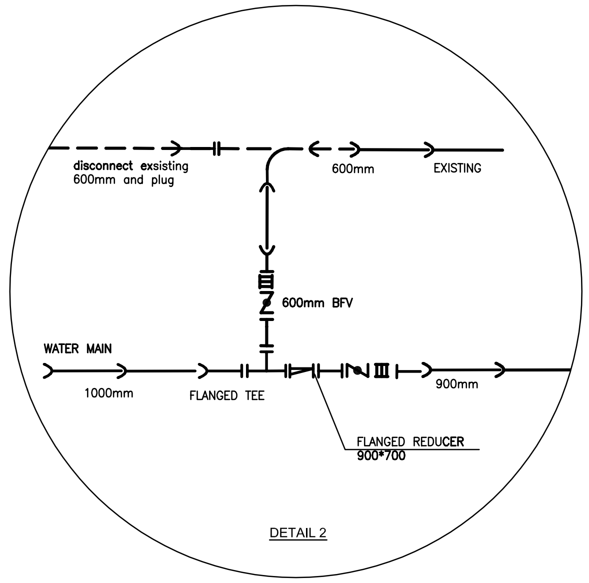
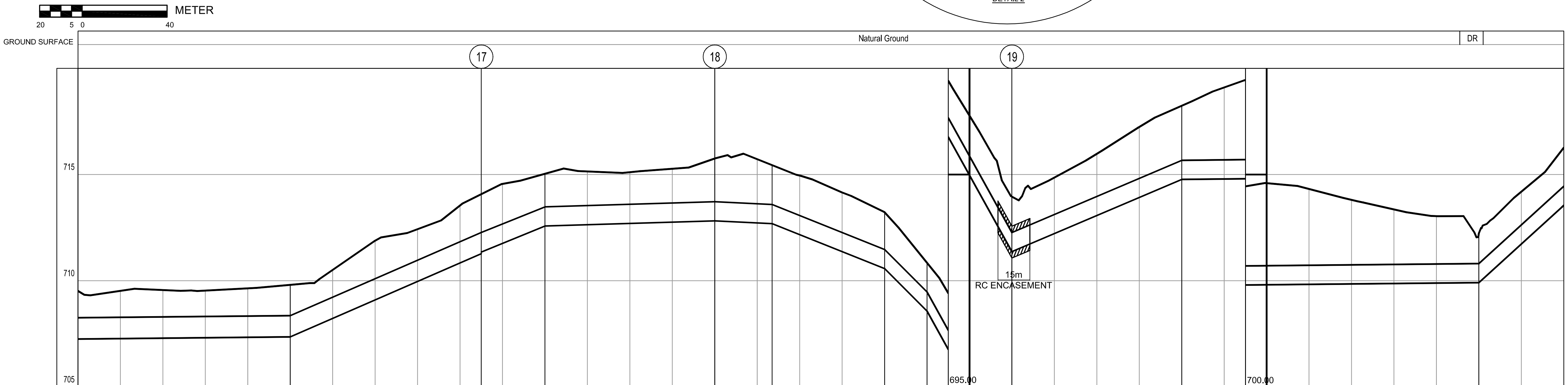




DETAIL 2



DIAMETER IN mm.& MATERIAL	DIST. BETWEEN SLOPE	GRADIENT IN 1/1000
ND 1000 DI PN16	100.00	1.00
ND 1000 DI PN16	90.00	43.50
ND 900 DI PN16	30.00	43.50
ND 900 DI PN16	80.00	3.00
ND 900 DI PN16	27.00	-4.81
ND 900 DI PN16	53.00	-40.00
ND 900 DI PN16	20.00	-100.00
ND 900 DI PN16	40.00	-180.00
ND 900 DI PN16	80.00	42.50
ND 900 DI PN16	140.00	1.00
ND 900 DI PN16	40.00	91.00

CUMULATIVE DISTANCE IN m.	GROUND LEVEL IN m.	PIPE CROWN ELEVATION IN m.
14+700	709.52	708.262
14+720	709.53	
14+740	709.56	
14+760	709.54	
14+780	709.64	
14+800	709.81	708.362
14+820	710.51	
14+840	711.89	
14+860	712.43	
14+880	713.55	
14+890	714.06	712.277
14+900	714.56	
14+920	715.04	713.482
14+940	715.15	
14+960	715.11	
14+980	715.27	
15+000	715.75	713.722
15+020	715.72	
15+027	715.45	713.587
15+040	714.95	
15+060	714.15	
15+080	713.22	711.467
15+100	710.84	709.467
15+120	707.77	
15+140	703.96	702.267
15+160	704.86	
15+180	705.98	
15+200	707.24	
15+220	708.24	705.667
15+240	709.10	
15+260	709.59	
15+280	709.32	
15+300	708.81	
15+320	708.36	
15+340	708.04	
15+351	708.04	
15+360	707.24	705.807
15+362	707.61	
15+380	709.19	
15+400	711.27	709.447

VALVES AND FITTINGS

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

USAID FROM THE AMERICAN PEOPLE

CDM International Inc.

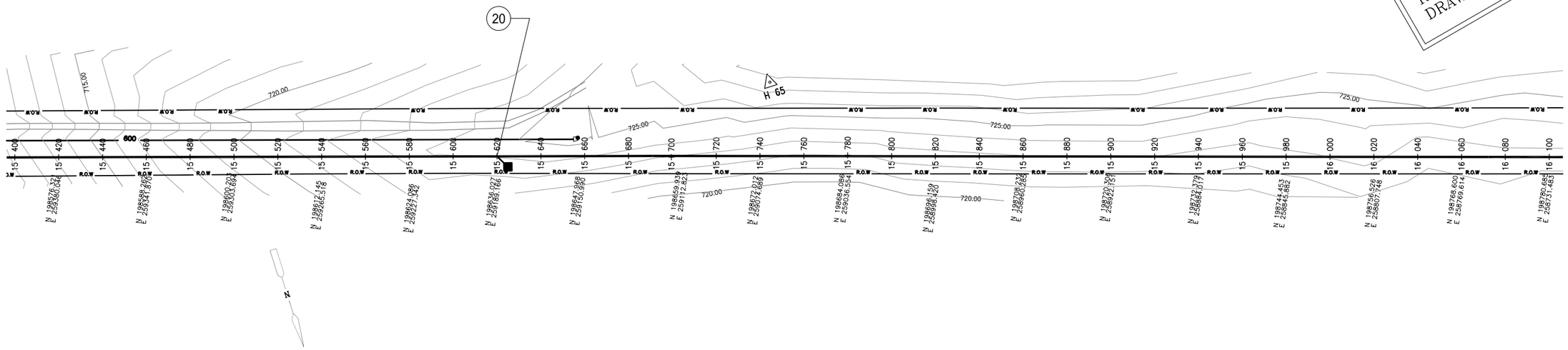
NORTHERN GOVERNORATES WATER TRANSMISSION
Eastern Primary Transmission System

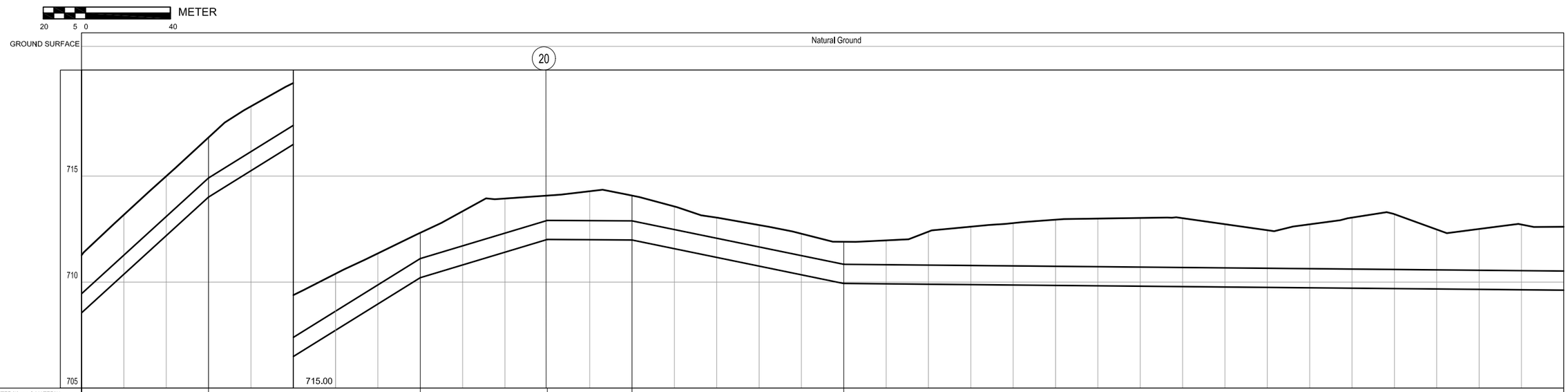
PIPELINE PLAN AND PROFILE
ST. 14+700 - 15+400

PROJECT NO. : 3029-42324

DRAWING NO. : P-22

REDUCED SIZE DRAWINGS





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
DIST. BETWEEN SLOPE	60.00	100.00	60.00	40.00	580.00	340.00
GRADIENT IN 1/1000	91.00	62.00	30.00	-1.00	-20.00	-1.00

CUMULATIVE DISTANCE IN m.	GROUND LEVEL IN m.	PIPE CROWN ELEVATION IN m.
15+400	711.27	709.447
15+420	713.18	
15+440	715.00	
15+460	716.82	714.907
15+480	718.29	
15+500	719.39	
15+520	720.40	
15+540	721.36	
15+560	722.32	721.107
15+580	723.34	
15+600	723.94	
15+620	724.08	722.907
15+640	724.28	
15+660	724.08	722.887
15+680	723.57	
15+700	723.04	
15+720	722.69	
15+740	722.28	
15+760	721.90	720.887
15+780	721.97	
15+800	722.38	
15+820	722.61	
15+840	722.78	
15+860	722.94	
15+880	722.89	
15+900	723.02	
15+920	723.01	
15+940	722.73	
15+960	722.45	
15+980	722.73	
16+000	723.04	
16+020	723.21	
16+040	722.48	
16+060	722.50	
16+080	722.72	
16+100	722.61	720.527

VALVES AND FITTINGS: ◆ (15+620)

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

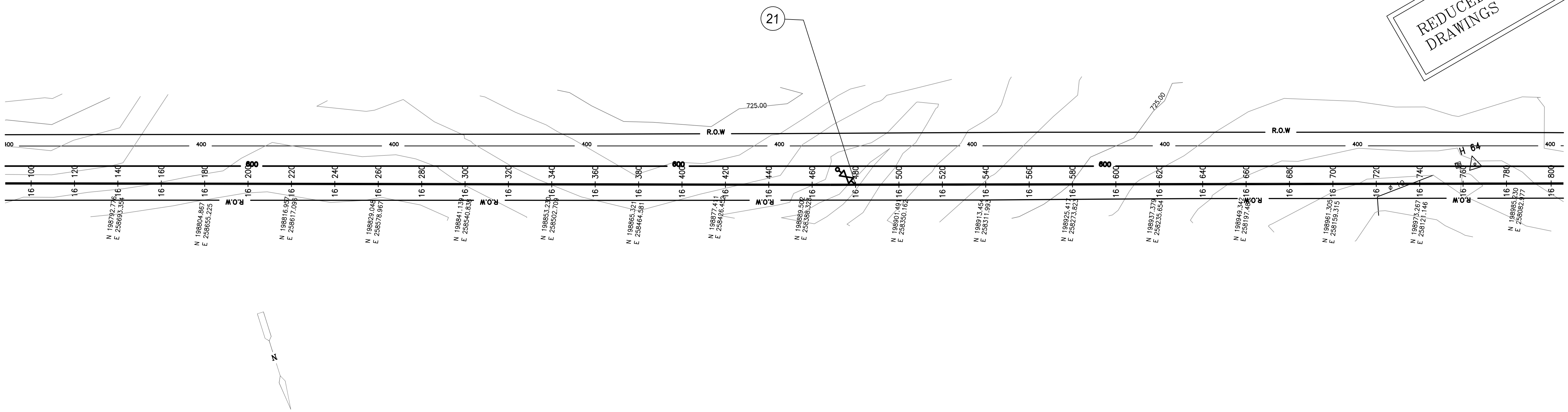
CDM International Inc.

NORTHERN GOVERNORATES WATER TRANSMISSION
Eastern Primary Transmission System

PIPELINE PLAN AND PROFILE
ST. 15+400 - 16+100

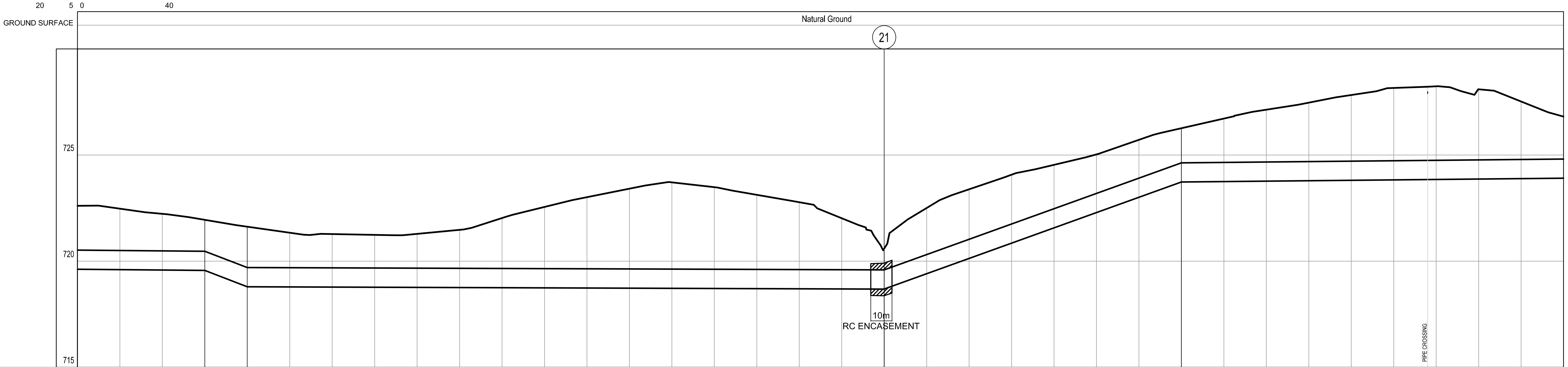
PROJECT NO. : 3029-42324

DRAWING NO. : P-23



REDUCED SIZE DRAWINGS

METER
20 5 0 40



DIAMETER IN mm.& MATERIAL	DIST. BETWEEN SLOPE	GRADIENT IN 1/1000
ND 900 DI PN16	60.00	-1.00
ND 900 DI PN16	20.00	-36.00
ND 900 DI PN16	300.00	-0.60
ND 900 DI PN16	140.00	36.00
ND 900 DI PN16	180.00	1.00

CUMULATIVE DISTANCE IN m.	GROUND LEVEL IN m.	PIPE CROWN ELEVATION IN m.	VALVES AND FITTINGS
16+100	722.61	720.527	
16+120	722.47		
16+140	722.23		
16+160	721.95	720.467	
16+180	721.62	720.527	
16+200	721.34		
16+220	721.28		
16+240	721.24		
16+260	721.29		
16+280	721.48		
16+300	722.03		
16+320	722.56		
16+340	723.02		
16+360	723.42		
16+380	723.71		
16+400	723.49		
16+420	723.13		
16+440	722.78		
16+460	722.02		
16+480	720.60	719.587	
16+500	722.50		
16+520	723.39		
16+540	724.07		
16+560	724.54		
16+580	725.03		
16+600	725.72		
16+620	726.26	724.627	
16+640	726.72		
16+660	727.14		
16+680	727.47		
16+700	727.83		
16+720	728.16		
16+736	728.22		
16+740	728.24		
16+760	728.09		
16+780	727.52		
16+800	726.81	724.807	

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

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CDM International Inc.

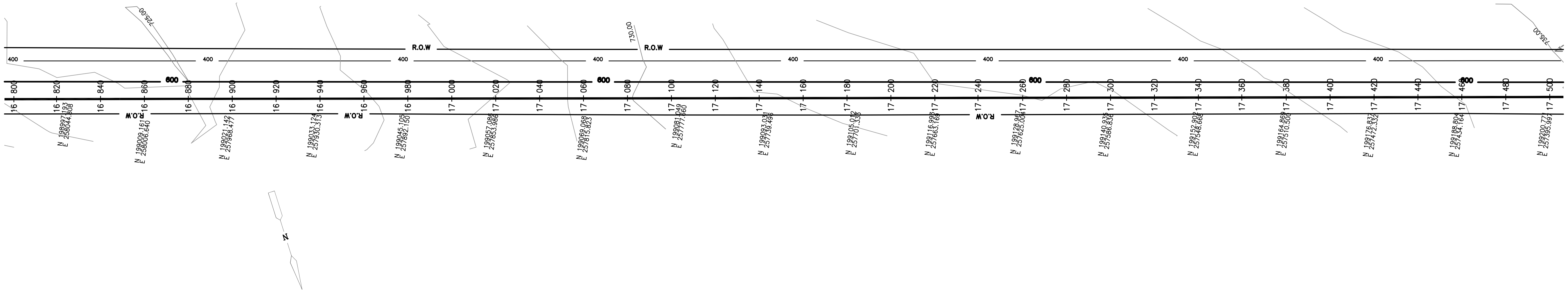
NORTHERN GOVERNORATES WATER TRANSMISSION
Eastern Primary Transmission System

PIPELINE PLAN AND PROFILE
ST. 16+100 - 16+800

PROJECT NO. : 3029-42324

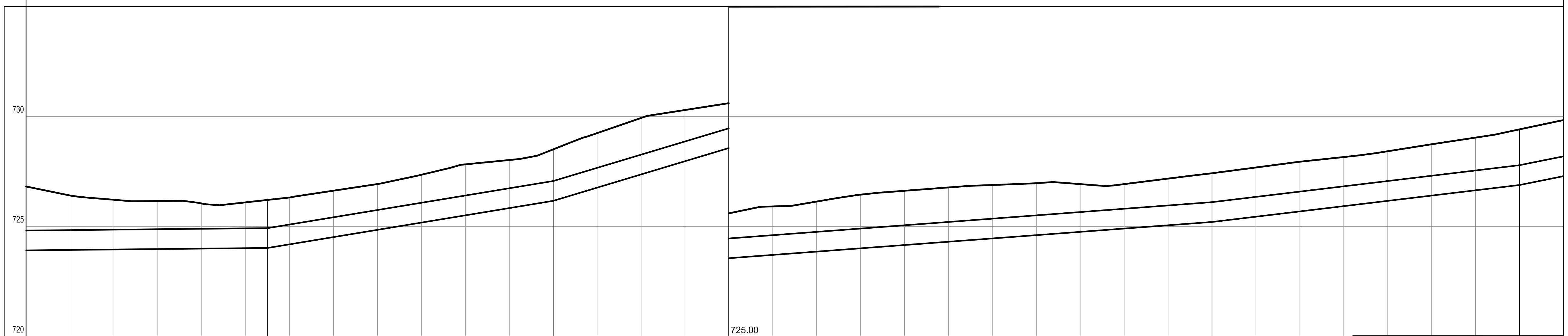
DRAWING NO. : P-24

REDUCED SIZE DRAWINGS



METER
20 5 0 40

GROUND SURFACE — Natural Ground



DIAMETER IN mm.& MATERIAL	DIST. BETWEEN SLOPE	GRADIENT IN 1/1000	From	To
ND 900 DI PN16	110.00	1.00	16+800	16+910
ND 900 DI PN16	130.00	16.46	16+910	17+040
ND 900 DI PN16	80.00	30.00	17+040	17+120
ND 900 DI PN16	220.00	7.50	17+120	17+340
ND 900 DI PN16	140.00	12.00	17+340	17+480
ND 900 DI PN16	20.00	20.00	17+480	17+500

CUMULATIVE DISTANCE IN m.	GROUND LEVEL IN m.	PIPE CROWN ELEVATION IN m.	VALVES AND FITTINGS
16+800	726.81	724.807	
16+820	726.41		
16+840	726.21		
16+860	726.15		
16+880	726.04		
16+900	726.09		
16+910	726.20	724.917	
16+920	726.31		
16+940	726.62		
16+960	726.93		
16+980	727.35		
17+000	727.82		
17+020	728.02		
17+040	728.50	727.062	
17+060	729.24		
17+080	729.93		
17+100	730.29		
17+120	730.60	729.462	
17+140	730.91		
17+160	731.14		
17+180	731.45		
17+200	731.63		
17+220	731.78		
17+240	731.89		
17+260	731.97		
17+280	731.93		
17+300	731.93		
17+320	732.18		
17+340	732.43	731.112	
17+360	732.69		
17+380	732.95		
17+400	733.16		
17+420	733.42		
17+440	733.74		
17+460	734.04		
17+480	734.42	732.792	
17+500	734.84	733.192	

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.

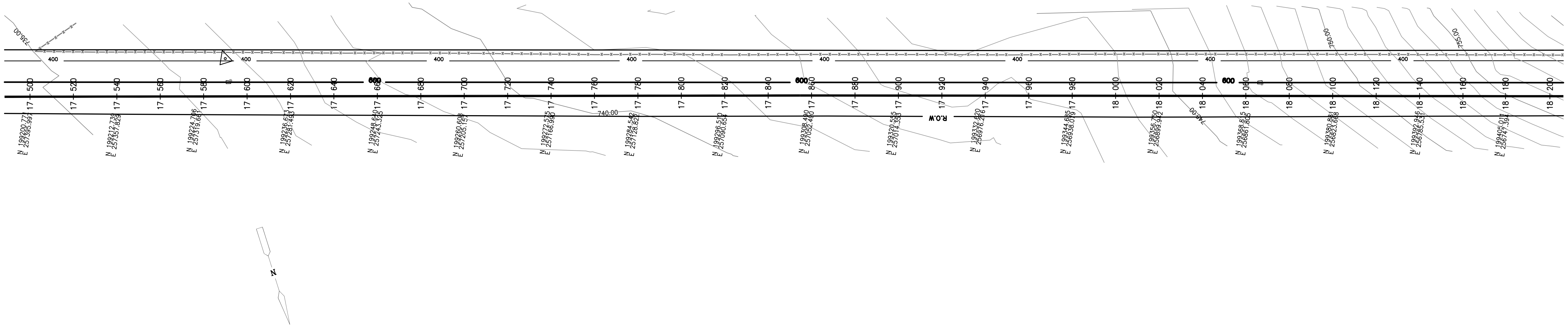
NORTHERN GOVERNORATES WATER TRANSMISSION
Eastern Primary Transmission System

PIPELINE PLAN AND PROFILE
ST. 16+800 - 17+500

PROJECT NO. : 3029-42324

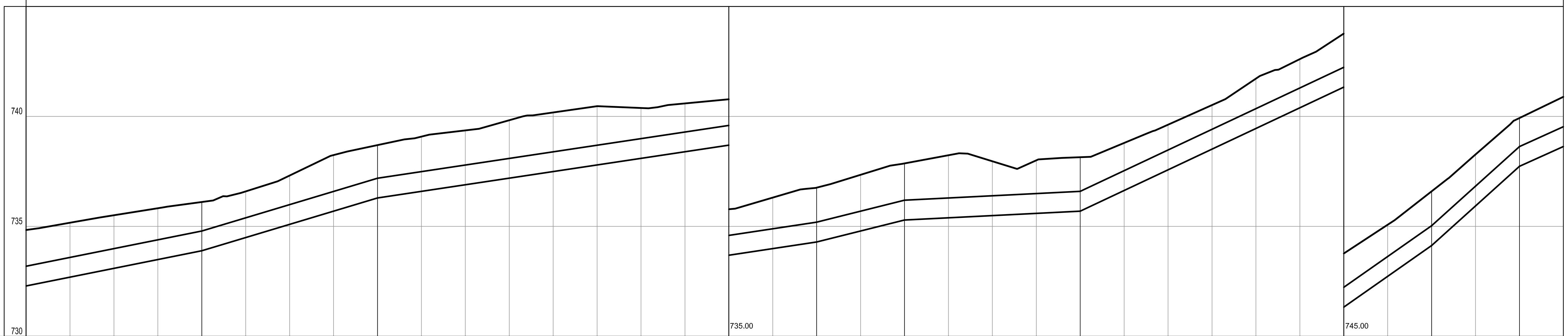
DRAWING NO. : P-25

REDUCED SIZE DRAWINGS



METER
20 5 0 40

GROUND SURFACE: Natural Ground



DIAMETER IN mm.& MATERIAL	DIST. BETWEEN SLOPE	GRADIENT IN 1/1000
ND 900 DI PN16	80.00	20.00
ND 900 DI PN16	80.00	30.00
ND 900 DI PN16	200.00	15.00
ND 900 DI PN16	40.00	25.00
ND 900 DI PN16	80.00	5.00
ND 900 DI PN16	120.00	47.00
ND 900 DI PN16	40.00	70.00
ND 900 DI PN16	40.00	90.00
ND 900 DI PN16	20.00	45.00

CUMULATIVE DISTANCE IN m.	GROUND LEVEL IN m.	PIPE CROWN ELEVATION IN m.
17+500	734.84	733.192
17+520	735.17	
17+540	735.51	
17+560	735.82	
17+580	736.11	734.792
17+600	736.59	
17+620	737.31	
17+640	738.24	
17+660	738.69	737.192
17+680	739.08	
17+700	739.36	
17+720	739.82	
17+740	740.18	
17+760	740.46	
17+780	740.38	
17+800	740.59	
17+820	740.78	
17+840	741.31	
17+860	741.76	740.192
17+880	742.35	
17+900	742.86	741.192
17+920	743.23	
17+940	742.96	
17+960	743.00	
17+980	743.14	741.592
18+000	743.79	
18+020	744.63	
18+040	745.51	
18+060	746.72	
18+080	747.60	
18+100	748.77	747.232
18+120	750.07	
18+140	751.59	750.032
18+160	753.27	
18+180	754.93	753.632
18+200	755.89	754.532

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. 17+500 - 18+200

PROJECT NO. : 3029-42324
DRAWING NO. : P-26