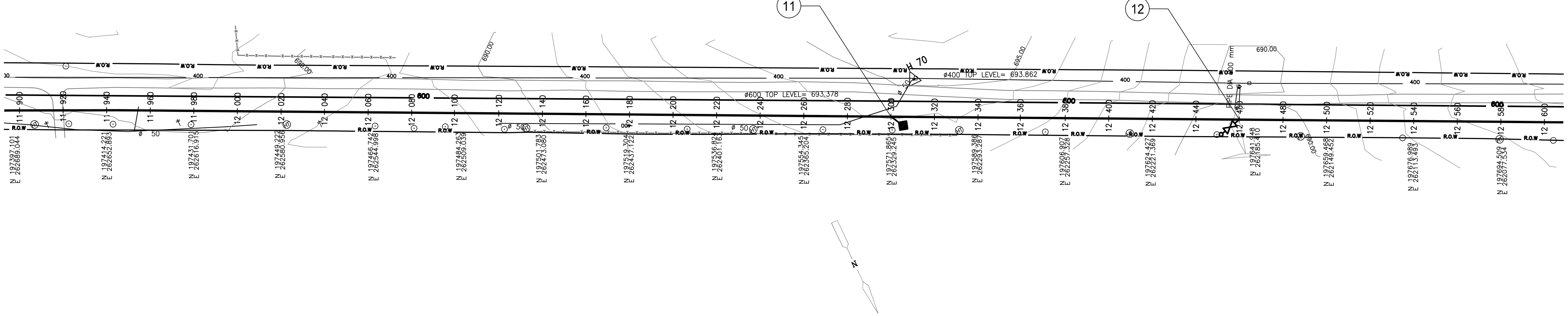
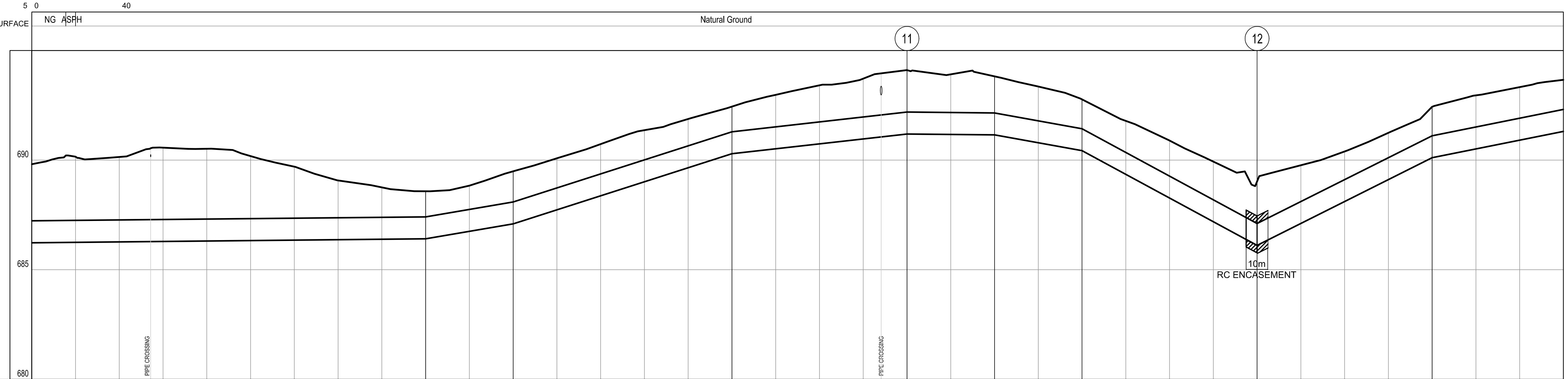
REDUCED SIZE DRAWINGS



METER
20 5 0 40



DIAMETER IN mm.& MATERIAL	DIST. BETWEEN SLOPE	GRADIENT IN 1/1000
ND 1000 DI PN25	180.00	1.00
ND 1000 DI PN25	40.00	17.00
ND 1000 DI PN25	100.00	32.00
ND 1000 DI PN25	80.00	11.25
ND 1000 DI PN25	40.00	-1.00
ND 1000 DI PN25	40.00	-18.00
ND 1000 DI PN25	80.00	-54.00
ND 1000 DI PN25	80.00	50.00
ND 1000 DI PN25	60.00	20.00

CUMULATIVE DISTANCE IN m.	GROUND LEVEL IN m.	PIPE CROWN ELEVATION IN m.
11+900	689.81	687.23
11+916	690.08	
11+920	690.16	
11+940	690.14	
11+954	690.45	
11+960	690.57	
11+980	690.52	
12+000	690.18	
12+020	689.70	
12+040	689.07	
12+060	688.76	
12+080	688.58	687.41
12+100	688.84	
12+120	689.49	688.09
12+140	690.08	
12+160	690.73	
12+180	691.36	
12+200	691.88	
12+220	692.44	691.29
12+240	692.98	
12+260	693.41	
12+280	693.71	
12+288	693.87	
12+300	694.11	692.194
12+320	693.91	
12+340	693.82	692.154
12+360	693.35	
12+380	692.77	691.434
12+400	691.79	
12+420	690.89	
12+440	689.93	
12+460	689.03	687.114
12+480	689.77	
12+500	690.39	
12+520	691.25	
12+540	692.43	691.114
12+560	692.95	
12+580	693.33	
12+600	693.66	692.314

VALVES AND FITTINGS

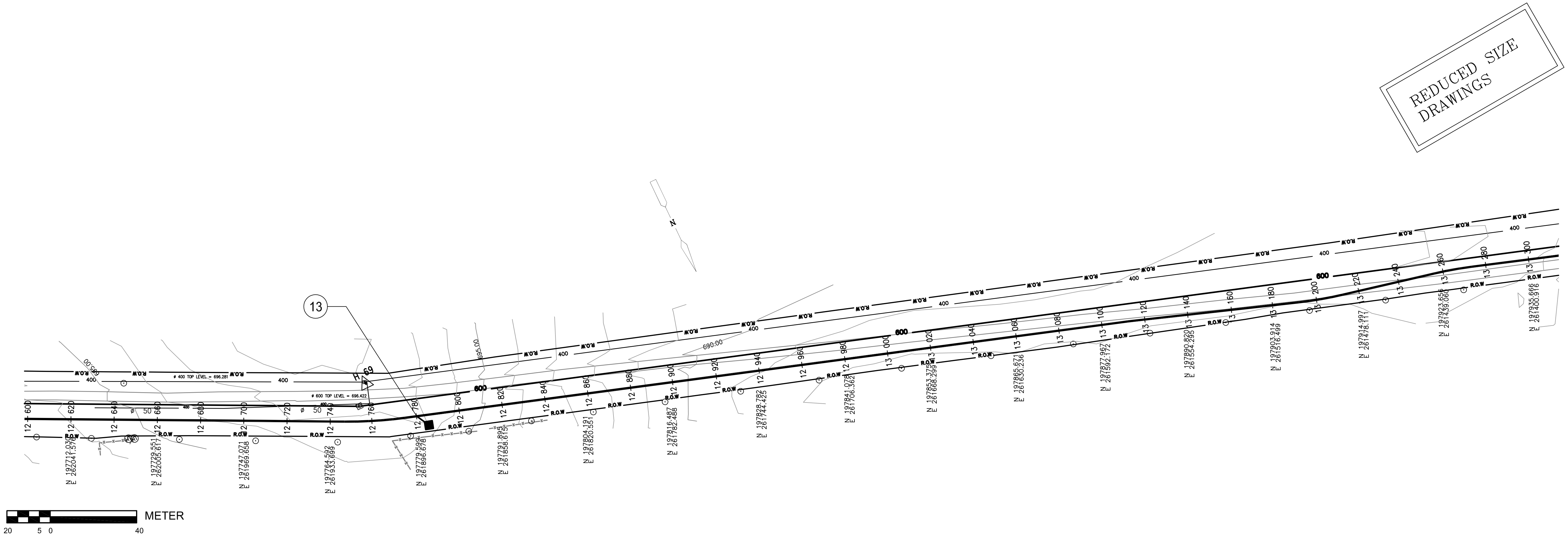
REV.	DATE	DRAWN	CHKD	REMARKS

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

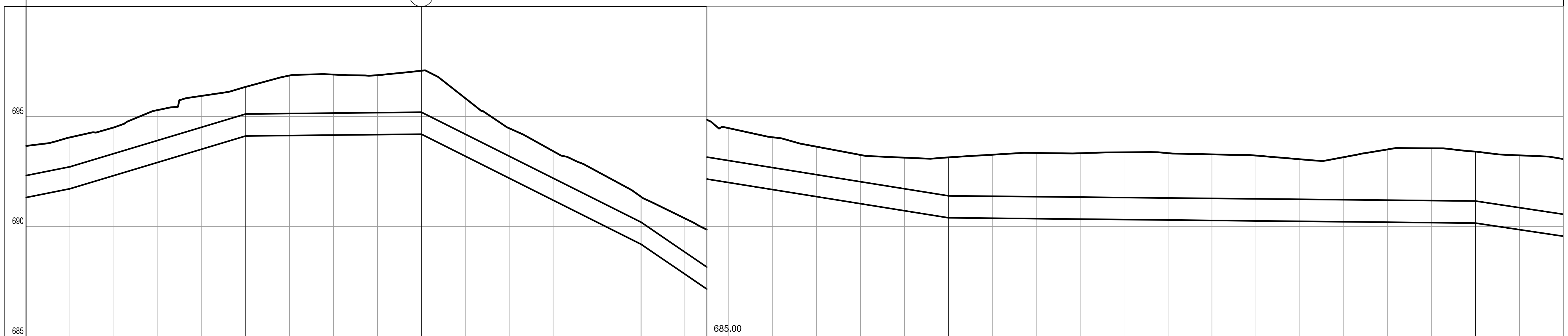
USAID FROM THE AMERICAN PEOPLE

CDM International Inc.

NORTHERN GOVERNORATES WATER TRANSMISSION Eastern Primary Transmission System	PROJECT NO. : 3029-42324
PIPELINE PLAN AND PROFILE **ST.** 11+900 - 12+600	DRAWING NO. : P-18



GROUND SURFACE: Natural Ground (12+600 – 13+160) | ASPH (13+160 – 13+240) | Natural Ground (13+240 – 13+300)



DIAMETER IN mm.& MATERIAL	DIST. BETWEEN SLOPE	GRADIENT IN 1/1000	From	To
ND 1000 DI PN25	20.00	20.00	12+600	12+620
ND 1000 DI PN25	80.00	30.00	12+620	12+700
ND 1000 DI PN25	80.00	1.00	12+700	12+780
ND 1000 DI PN25	100.00	-50.00	12+780	12+880
ND 1000 DI PN25	30.00	-68.00	12+880	12+910
ND 1000 DI PN25	110.00	-16.00	12+910	13+020
ND 1000 DI PN25	240.00	-1.00	13+020	13+260
ND 1000 DI PN25	40.00	-15.00	13+260	13+300

CUMULATIVE DISTANCE IN m.	GROUND LEVEL IN m.	PIPE CROWN ELEVATION IN m.	VALVES AND FITTINGS
12+600	693.66	692.314	
12+620	694.05	692.714	
12+640	694.50		
12+660	695.29		
12+680	695.93		
12+700	696.34	695.114	
12+720	696.86		
12+740	696.90		
12+760	696.88		
12+780	697.08	695.194	◆
12+800	695.82		
12+820	694.46		
12+840	693.42		
12+860	692.50		
12+880	691.35	690.194	
12+900	690.36		
12+910	689.91	688.154	
12+920	689.47		
12+940	689.05		
12+960	688.62		
12+980	688.25		
13+000	688.12		
13+020	688.14	686.394	
13+040	688.26		
13+060	688.34		
13+080	688.33		
13+100	688.37		
13+120	688.33		
13+140	688.27		
13+160	688.22		
13+180	688.05		
13+200	688.15		
13+220	688.50		
13+240	688.55		
13+260	688.40	686.154	
13+280	688.23		
13+300	688.06	685.554	

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

CDM International Inc.

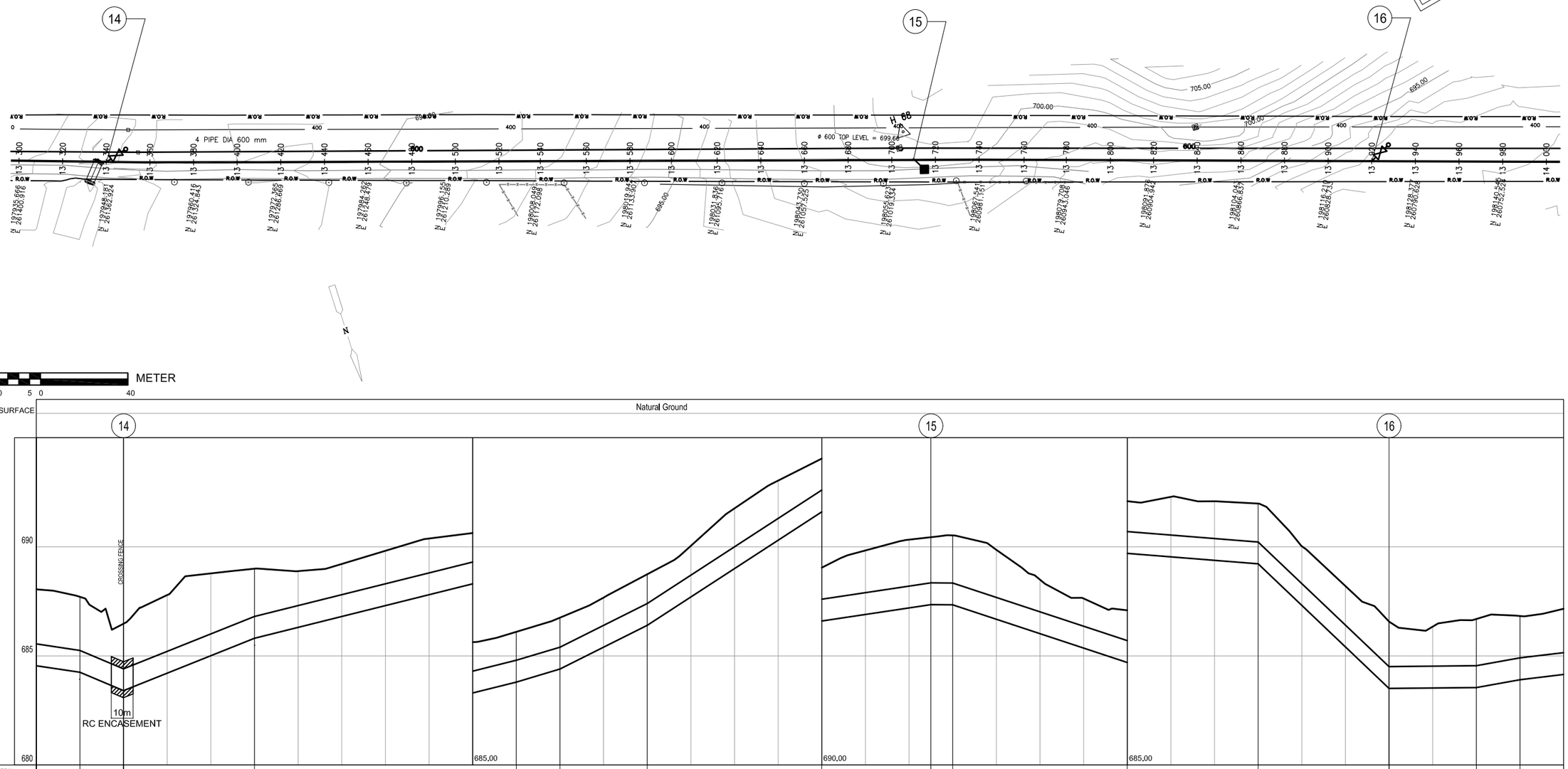
NORTHERN GOVERNORATES WATER TRANSMISSION
Eastern Primary Transmission System

PIPELINE PLAN AND PROFILE
ST. 12+600 - 13+300

PROJECT NO. : 3029-42324

DRAWING NO. : P-19

REDUCED SIZE DRAWINGS



DIAMETER IN mm.& MATERIAL	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25
DIST. BETWEEN SLOPE	20.00	20.00	60.00	120.00	20.00	40.00	80.00	50.00	10.00	80.00	60.00	60.00	40.00	20.00	20.00
GRADIENT IN 1/1000	-15.00	-42.00	40.00	24.92	30.00	50.00	65.00	15.00	-1.00	-33.00	-8.00	-95.17	1.00	18.00	12.00
GROUND LEVEL IN m.	688.06 687.71	686.69 686.48	687.79 688.78	689.00 688.89 689.21	689.82 690.38 690.63	691.10 691.75	692.67 693.74	695.04 696.76 698.03	699.04 699.83 700.33	700.43 700.52 699.86	698.50 697.63 697.09	697.29 697.09 696.98	695.03 693.20 691.57	691.34 691.69 691.83	692.16
PIPE CROWN ELEVATION IN m.	685.554 685.254	684.414	686.814	689.892	690.402 692.402	697.692	698.352 698.342	695.702	695.222	693.51	689.55	689.91	690.15		
CUMULATIVE DISTANCE IN m.	13+300 13+320	13+336 13+340	13+360 13+380	13+400 13+420	13+440 13+460	13+480 13+500	13+520 13+540	13+560 13+580	13+600 13+620	13+640 13+660	13+680 13+700	13+710 13+720	13+740 13+760	13+780 13+800	13+820 13+840	13+860 13+880	13+900 13+920
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

CDM International Inc.

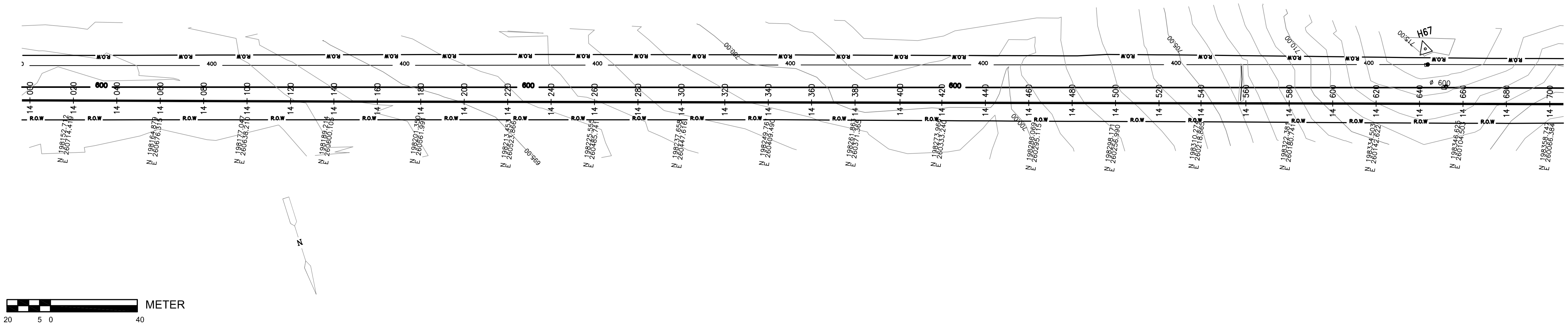
NORTHERN GOVERNORATES WATER TRANSMISSION
Eastern Primary Transmission System

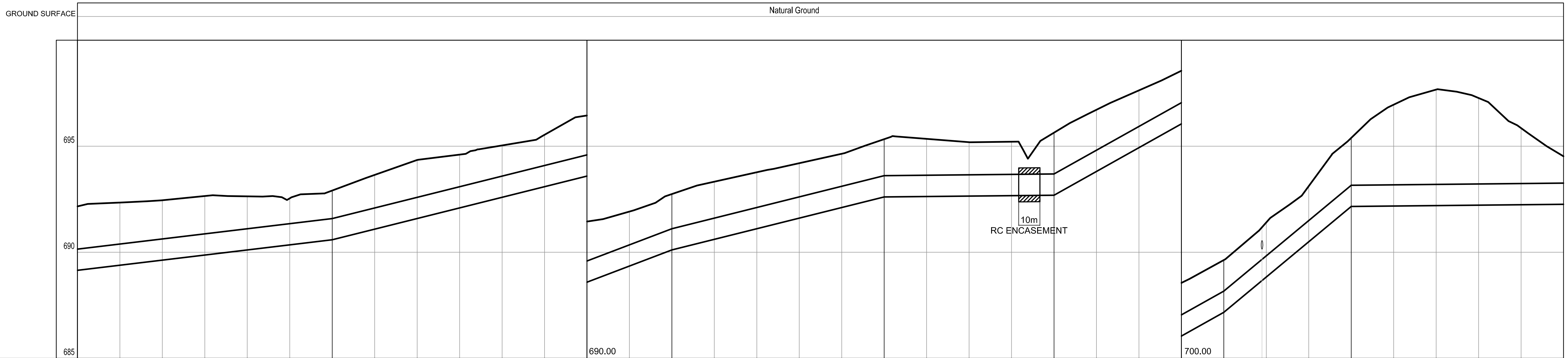
PIPELINE PLAN AND PROFILE
ST. 13+300 - 14+000

PROJECT NO. : 3029-42324

DRAWING NO. : P-20

REDUCED SIZE DRAWINGS





DIAMETER IN mm.& MATERIAL	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN25	ND 1000 DI PN16
DIST. BETWEEN SLOPE	120.00	120.00	40.00	100.00	80.00	80.00	60.00	100.00
GRADIENT IN 1/1000	12.00	25.00	38.00	25.00	1.00	56.00	83.17	1.00

CUMULATIVE DISTANCE IN m.	GROUND LEVEL IN m.	PIPE CROWN ELEVATION IN m.	VALVES AND FITTINGS
14+000	692.16	690.15	
14+020	692.34		
14+040	692.45		
14+060	692.65		
14+080	692.64		
14+100	692.54		
14+120	692.91	691.59	
14+140	693.65		
14+160	694.35		
14+180	694.60		
14+200	695.03		
14+220	695.54		
14+240	696.45	694.59	
14+260	696.92		
14+280	697.74	696.11	
14+300	698.33		
14+320	698.77		
14+340	699.20		
14+360	699.65		
14+380	700.33	698.61	
14+400	700.35		
14+420	700.19		
14+440	700.21		
14+460	700.64	698.69	
14+480	701.72		
14+500	702.63		
14+520	703.56		
14+540	704.63	703.17	
14+558	706.23		
14+560	706.41		
14+580	708.12		
14+600	710.39	708.162	
14+611	711.25		
14+620	711.96		
14+640	712.67		
14+660	712.27		
14+680	710.86		
14+700	709.52	708.262	

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

USAID FROM THE AMERICAN PEOPLE

CDM International Inc.

NORTHERN GOVERNORATES WATER TRANSMISSION
Eastern Primary Transmission System

PIPELINE PLAN AND PROFILE
ST. 14+000 - 14+700

PROJECT NO. : 3029-42324

DRAWING NO. : P-21