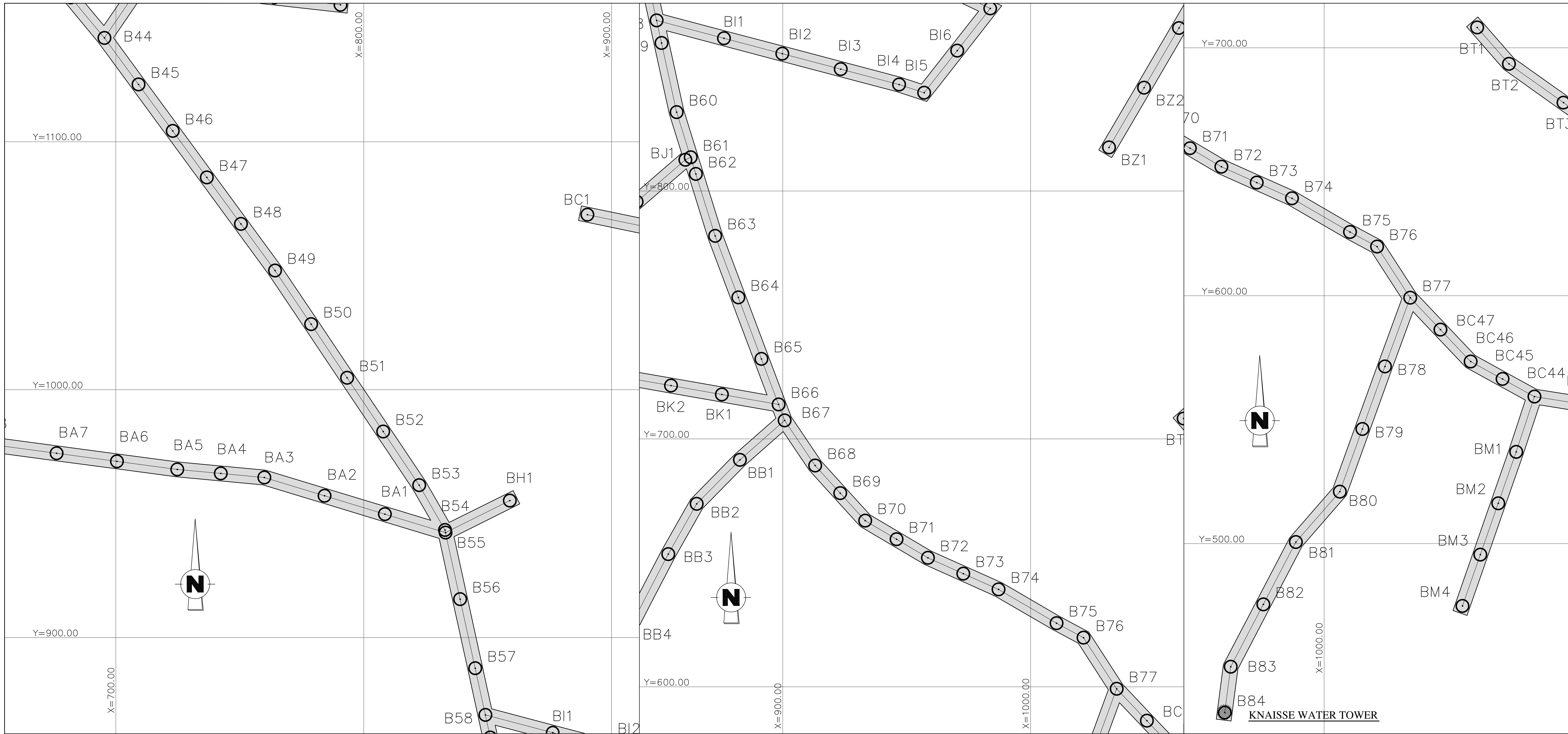

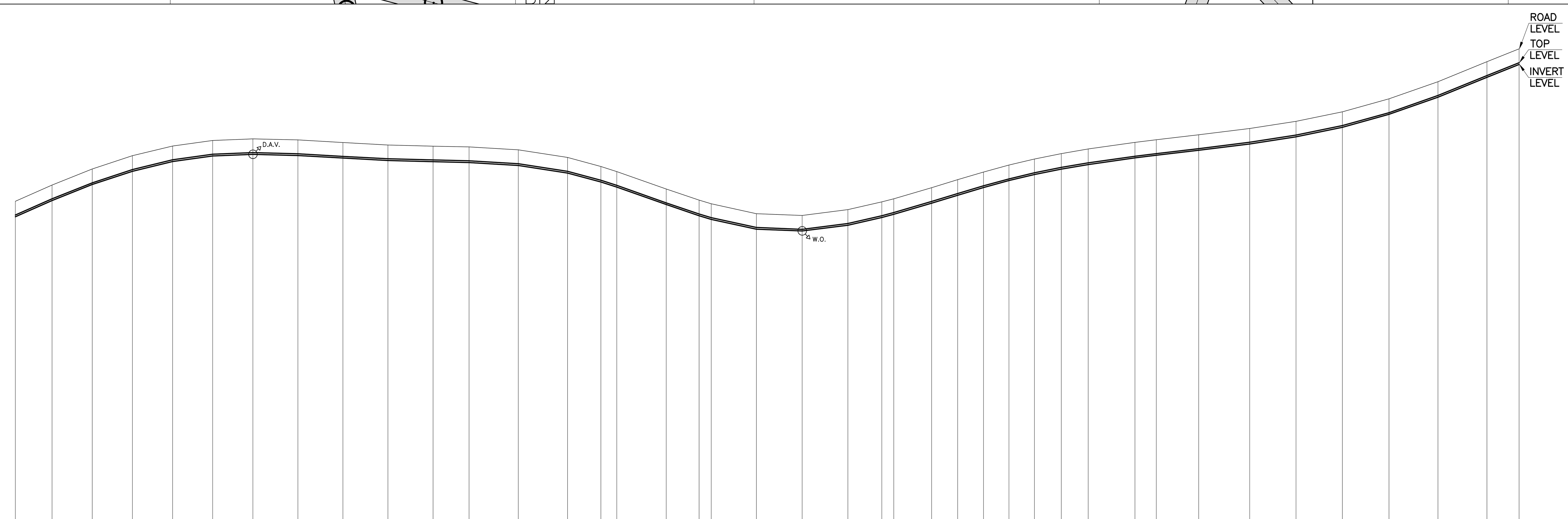

SCALE:
H: 1/2000
V: 1/200

DATUM ELEV = 515.00m

STAKES NUMBER	NATURAL GROUND LEVEL	TOP OF PIPE LEVEL	SPECIAL ACCESSORIES	PARTIAL DISTANCE (M)	CUMULATE DISTANCE
B44	533.74	532.94		21.22	1048.72
B45	534.68	533.88		23.27	1069.94
B46	535.61	534.81		23.27	1093.21
B47	536.38	535.58		23.27	1116.48
B48	536.95	536.15		23.27	1139.75
B49	537.27	536.47		23.27	1163.01
B50	537.36	536.56	D.A.V.	26.08	1186.28
B51	537.30	536.50		26.08	1212.36
B52	537.15	536.35		26.08	1238.45
B53	537.00	536.20		26.08	1264.53
B54	536.94	536.14	G.V.	20.84	1290.61
B55	536.89	536.09		28.55	1311.45
B56	536.72	535.92		28.55	1340.00
B57	536.28	535.48		19.26	1368.55
B58	535.76	534.96		9.29	1387.80
B59	535.46	534.66		28.55	1397.10
B60	534.45	533.65		19.07	1425.65
B61	533.81	533.01		7.07	1444.72
B62	533.60	532.80		26.14	1451.79
B63	533.02	532.22		26.52	1477.92
B64	532.92	532.12	W.O.	26.52	1504.44
B65	533.26	532.46		19.63	1530.96
B66	533.71	532.91	G.V.	6.89	1550.59
B67	533.89	533.09		21.98	1557.48
B68	534.53	533.73		15.02	1579.46
B69	534.99	534.19		15.02	1594.48
B70	535.44	534.64		14.70	1609.50
B71	535.84	535.04		14.70	1624.21
B72	536.19	535.39		15.60	1638.91
B73	536.50	535.70		15.60	1654.52
B74	536.77	535.97		27.06	1670.12
B75	537.15	536.35		12.37	1697.18
B76	537.31	536.51	G.V.	24.60	1709.55
B77	537.59	536.79	FH	29.53	1734.14
B78	537.96	537.16		26.83	1763.67
B79	538.38	537.58		26.83	1790.51
B80	538.93	538.13		26.98	1817.34
B81	539.68	538.88		28.36	1844.32
B82	540.67	539.87		28.36	1872.68
B83	541.83	541.03		18.69	1901.05
B84	542.57	541.77			1919.73

PIPES DIAMETER (MM): OD 110 HDPE PN16 (B44–B66/B67); OD 125 HDPE PN16 (B67–B77); OD 180 HDPE PN16 (B77–B84)

HECTOMETER: 11, 12, 13, 14, 15, 16, 17, 18, 19

NATURE OF SOIL:

LEGEND :

Symbol	Description
W.O.	WASH OUT
D.A.V.	DOUBLE AIR VALVE
G.V.	GATE VALVE
FH	FIRE HYDRANT
OIP	OBLIGATORY INTAKE POINT
EC	END CAP

REV.	DATE	DRAWN BY	CHECKED BY	APPROVED BY	MODIFICATION	STATUTS

UNITED NATIONS DEVELOPMENT PROGRAMME
LEBANON

NORTH LEBANON WATER SUPPLY
CONSTRUCTION OF WADI KHALED 2 WATER SUPPLY SYSTEM

KNAISSE WATER SUPPLY SYSTEM
LINE D2.20 (B44–B84)

SCALE : 1/1000 – 1/2000
DATE : SEPTEMBER 2014
DRAWING N° : WS-WK-216-A.dwg

LIBANCONSULT AGM
Consulting Engineers

N° : WSWK216
REV. A

H G F E D C B A
4 3 2 1
A1