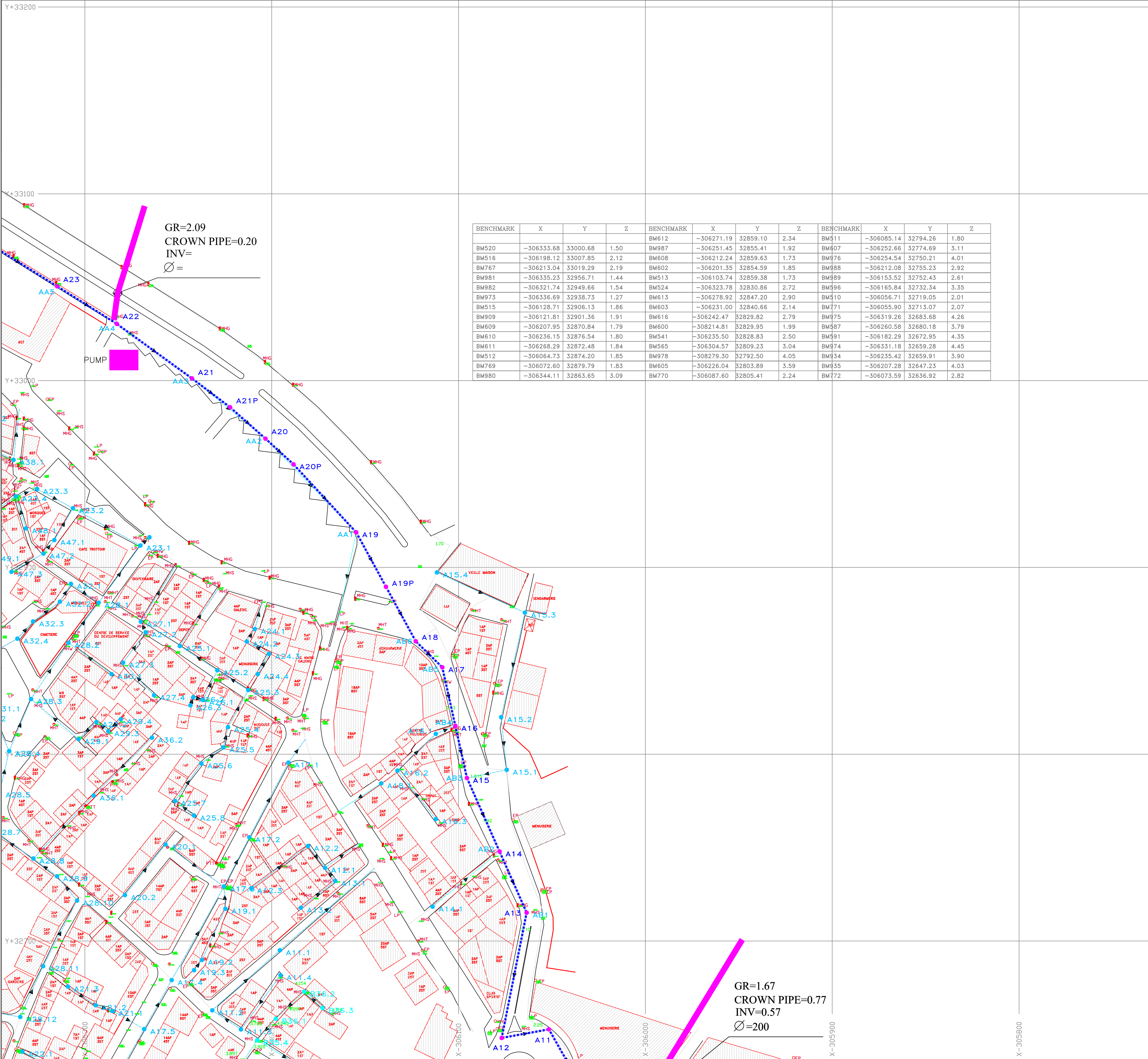




BENCHMARK	X	Y	Z	BENCHMARK	X	Y	Z	BENCHMARK	X	Y	Z
BM520	-306333.68	33000.68	1.50	BM612	-306271.19	32859.10	2.34	BM511	-306085.14	32794.26	1.80
BM516	-306198.12	33007.85	2.12	BM987	-306251.45	32855.41	1.92	BM607	-306252.66	32774.69	3.11
BM767	-306213.04	33019.29	2.19	BM608	-306212.24	32859.63	1.73	BM976	-306254.54	32750.21	4.01
BM981	-306335.23	32956.71	1.44	BM602	-306201.35	32854.59	1.85	BM988	-306212.08	32755.23	2.92
BM982	-306321.74	32949.66	1.54	BM513	-306103.74	32859.38	1.73	BM989	-306153.52	32752.43	2.61
BM973	-306336.69	32938.73	1.27	BM524	-306323.78	32830.86	2.72	BM996	-306165.84	32732.34	3.35
BM515	-306128.71	32906.13	1.86	BM613	-306278.92	32847.20	2.90	BM510	-306056.71	32719.05	2.01
BM909	-306121.81	32901.36	1.91	BM603	-306231.00	32840.66	2.14	BM771	-306055.90	32713.07	2.07
BM609	-306207.95	32870.84	1.79	BM616	-306242.47	32829.82	2.79	BM975	-306319.26	32683.68	4.26
BM610	-306236.15	32876.54	1.80	BM600	-308214.81	32829.95	1.99	BM587	-306260.58	32680.18	3.79
BM611	-306268.29	32872.48	1.84	BM541	-306235.50	32828.83	2.50	BM591	-306182.29	32672.95	4.35
BM512	-306064.73	32874.20	1.85	BM565	-306304.57	32809.23	3.04	BM974	-306331.18	32659.28	4.45
BM769	-306072.60	32879.79	1.83	BM978	-308279.30	32792.50	4.05	BM934	-306235.42	32659.91	3.90
BM980	-306344.11	32863.65	3.09	BM605	-306226.04	32803.89	3.59	BM935	-306207.28	32647.23	4.03
				BM770	-306087.60	32805.41	2.24	BM772	-306073.59	32636.92	2.82

NOTES:

- THE CONDITION OF THE EXISTING WASTEWATER LINES IS TO BE VERIFIED ON SITE BY THE CONTRACTOR.
- WHERE A NEW LINE IS CONNECTED TO AN EXISTING MANHOLE, THE INVERT LEVEL OF THE MANHOLE SHOULD BE VERIFIED ON SITE BY THE CONTRACTOR, AND THE CONTRACTOR WILL TAKE ALL THE MEASURES TO DEAL WITH FLOW.
- WHERE THE PIPE COVER IS LESS THEN 90cm A CONCRETE SURROUND WILL BE EXECUTED.
- WHERE THERE IS AN INTERSECTION WITH A WATER SUPPLY LINE A CONCRETE SURROUND WILL BE EXECUTED.
- THE NEW EXECUTED LINE WILL REPLACE THE EXISTING ONE WHICH WILL BE DISCONNECTED BY THE CONTRACTOR WHEN THE NEW SYSTEM WILL BE PUT IN SERVICE.
- FOR THE HOUSE CONNECTIONS REFER TO THE PARTICULAR SPECIFICATIONS.
- FOR MANHOLES DETAILS REFER TO THE PARTICULAR SPECIFICATIONS AND STANDARD DRAWINGS.
- FOR TRENCH DETAILS REFER TO THE PARTICULAR SPECIFICATIONS AND STANDARD DRAWINGS.

TOPOGRAPHICAL LEGEND				WW NETWORK LEGEND	
	BUILDING		CULVERT/BRIDGE		WASTEWATER LINE USED FOR CALCULATION PURPOSE ONLY
	FOUNDATION/BUILDING UNDER CONSTRUCTION		SPRING		NEW WASTEWATER LINE
	ROAD		WELL		NEW STORM WATER LINE
	TRACK		DECIDUOUS/PINE TREE		EXISTING STORM WATER LINE
	REFERENCE LINE		1160.12 SPOT HEIGHT		EXISTING WATER SUPPLY LINE
	SIDE WALK		TRAVERSING STATION		NEW MANHOLE
	RETAINING WALL		TRIANGULATION POINT		DROP MANHOLE
	RAILWAY		BENCH MARK		EXISTING MANHOLE
	CHANNEL		ML		MANHOLE USED FOR CALCULATION PURPOSE ONLY
	TERRACE		PLOT No		
	FENCE		BOUNDARY		
	STREAM/RIVER		CIRCUMSCRIPTION BOUNDARY		
			L.P		

REPUBLIC OF LEBANON

COUNCIL FOR DEVELOPMENT AND RECONSTRUCTION

BUREAU TECHNIQUE POUR LE DEVELOPPEMENT

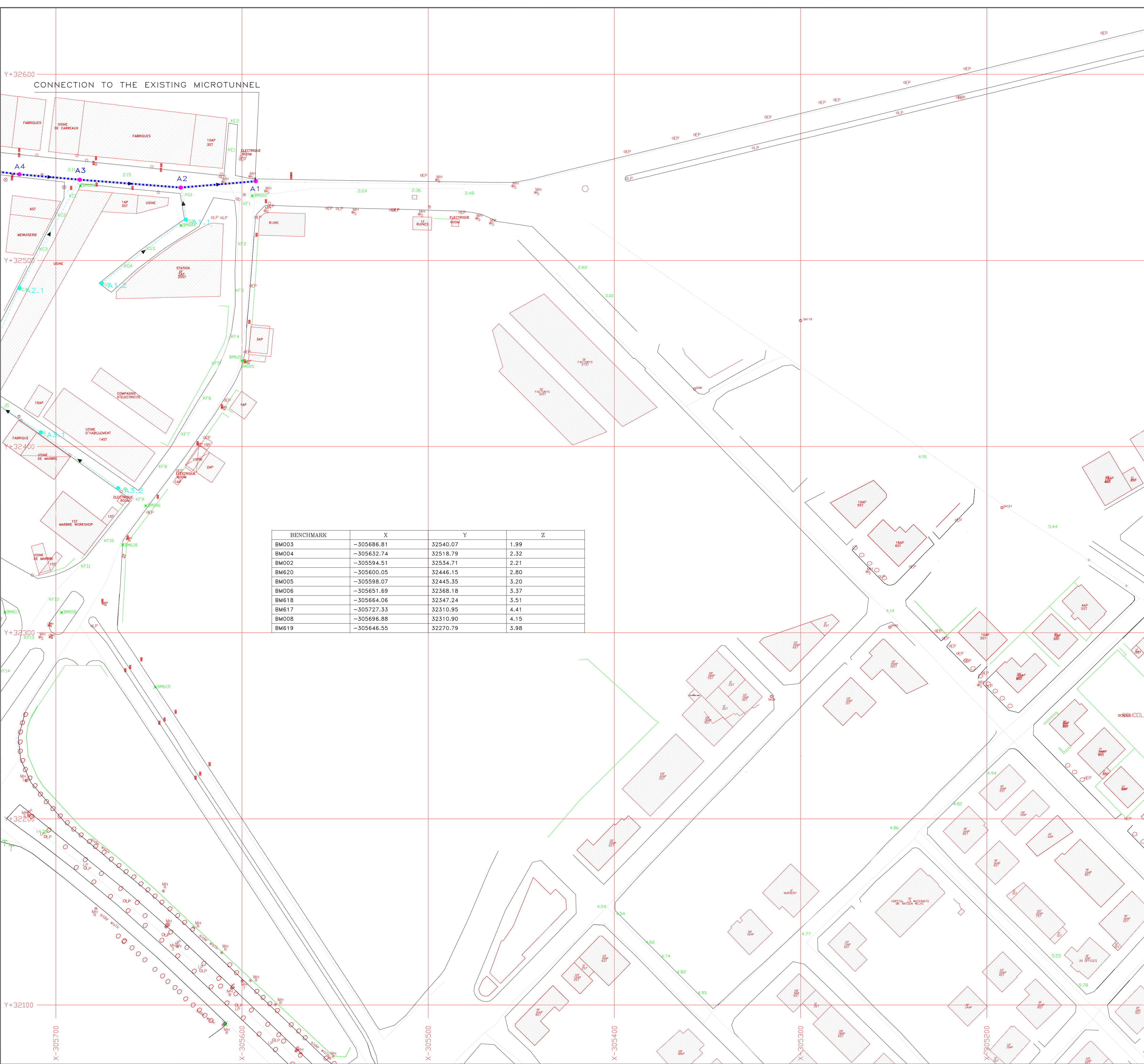
JALL ED DIB – HAJAL Bldg TEL:(04) 712157/712158
P.O.BOX:70492 – ANTELIAS FAX:(04) 712159

EL MINA REMAINING COASTAL SEWER COLLECTORS LOT 1 – COMPULSORY

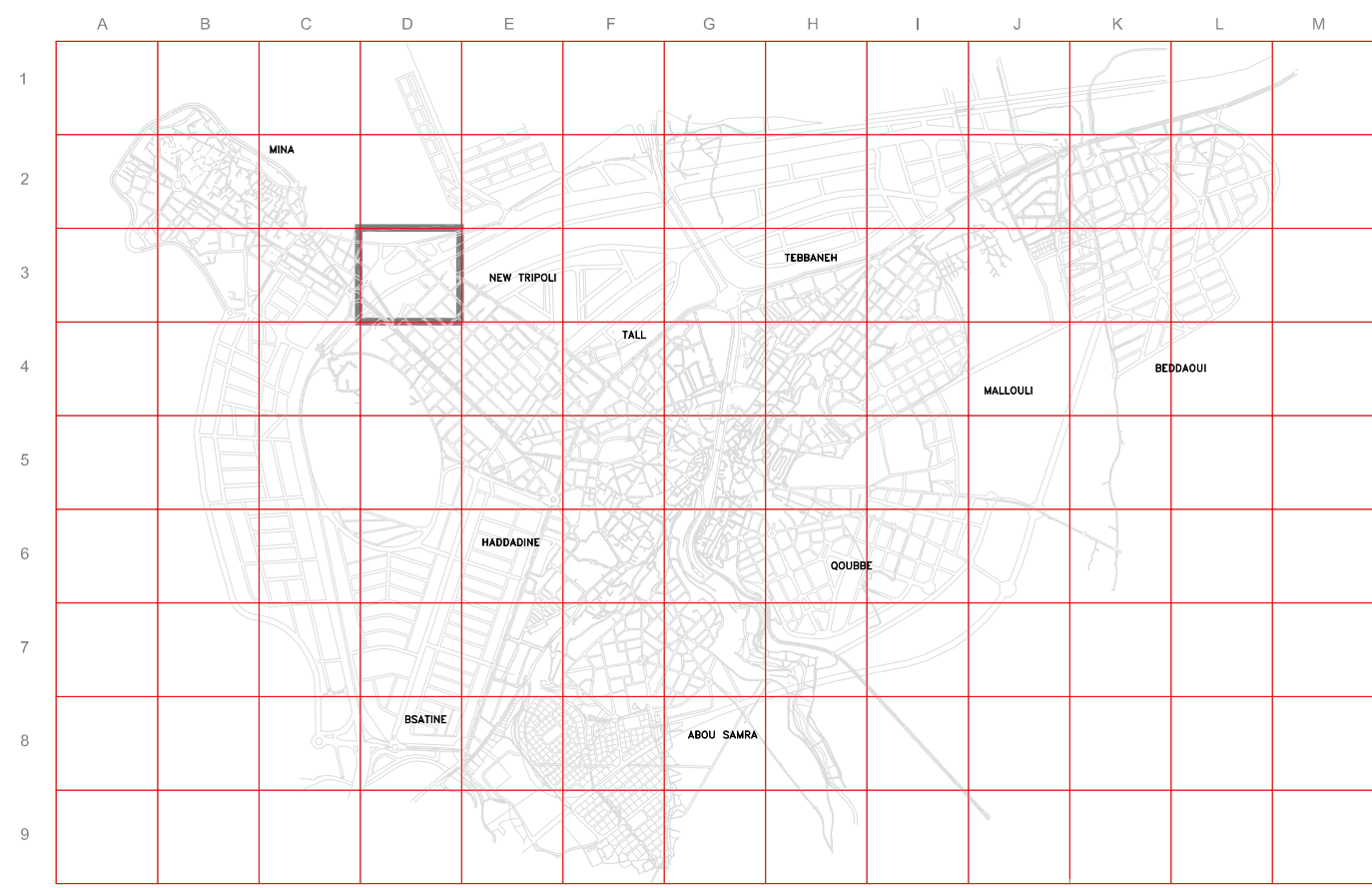
EL MINA REMAINING COASTAL SEWER COLLECTORS	LINE A PLAN
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FILE	DESIGNED BY	DRAWN BY	CHECKED BY
451W-AOPB1	B.T.D	B.T.D	B.T.D

DATE	SCALE	SHEET No.	DRAWING No.
DECEMBER 2025	1;1000	3/5	451W-A0PA02



BENCHMARK	X	Y	Z
BM003	-305686.81	32540.07	1.99
BM004	-305632.74	32518.79	2.32
BM002	-305594.51	32534.71	2.21
BM620	-305600.05	32446.15	2.80
BM005	-305598.07	32445.35	3.20
BM006	-305651.69	32368.18	3.37
BM618	-305664.06	32347.24	3.51
BM617	-305727.33	32310.95	4.41
BM008	-305696.88	32310.90	4.15
BM619	-305646.55	32270.79	3.98



NOTES:

- 1- THE CONDITION OF THE EXISTING WASTEWATER LINES IS TO BE VERIFIED ON SITE BY THE CONTRACTOR.
- 2- WHERE A NEW LINE IS CONNECTED TO AN EXISTING MANHOLE, THE INVERT LEVEL OF THE MANHOLE SHOULD BE VERIFIED ON SITE BY THE CONTRACTOR, AND THE CONTRACTOR WILL TAKE ALL THE MEASURES TO DEAL WITH FLOW.
- 3- WHERE THE PIPE COVER IS LESS THEN 90cm A CONCRETE SURROUND WILL BE EXECUTED.
- 4- WHERE THERE IS AN INTERSECTION WITH A WATER SUPPLY LINE A CONCRETE SURROUND WILL BE EXECUTED.
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- 6- FOR THE HOUSE CONNECTIONS REFER TO THE PARTICULAR SPECIFICATIONS.
- 7- FOR MANHOLES DETAILS REFER TO THE PARTICULAR SPECIFICATIONS AND STANDARD DRAWINGS.
- 8- FOR TRENCH DETAILS REFER TO THE PARTICULAR SPECIFICATIONS AND STANDARD DRAWINGS.

TOPOGRAPHICAL LEGEND				WW NETWORK LEGEND	
	BUILDING		CULVERT/BRIDGE		WASTEWATER LINE USED FOR CALCULATION PURPOSE ONLY
	FOUNDATION/BLDG UNDER CONSTRUCTION		SPRING		NEW WASTEWATER LINE
	ROAD		WELL		NEW STORM WATER LINE
	TRACK		DECIDUOUS/PINE TREE		EXISTING STORM WATER LINE
	REFERENCE LINE		ROCKS		EXISTING WATER SUPPLY LINE
	SIDE WALK		BUSHES		NEW MANHOLE
	RETAINING WALL		TRIANGULATION POINT		DROP MANHOLE
	RAILWAY		MH S MANHOLE SEWER		EXISTING MANHOLE
	CHANNEL		MH W MANHOLE WATER		MANHOLE USED FOR CALCULATION PURPOSE ONLY
	TERRACE		MH T MANHOLE TELEPHONE		
	FENCE		MH NI MANHOLE NOT IDENTIFIED		
	STREAM/RIVER		LP LIGHTING POLE		
			1160.12 SPOT HEIGHT		
			TRAVERSING STATION		
			BOUNDARY		
			CIRCUMSCRIPTION BOUNDARY		

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EL MINA REMAINING COASTAL SEWER COLLECTORS

LOT 1 – COMPULSORY

EL MINA REMAINING COASTAL SEWER COLLECTORS

LINE A PLAN

FILE	DESIGNED BY	DRAWN BY	CHECKED BY
451W-AOPC2	B.T.D	B.T.D	B.T.D

DATE	SCALE	SHEET No.	DRAWING No.
DECEMBER 2025	1;1000	5/5	451W-A0PA04