



Petra Development & Tourism Region Authority

سلطة اقليم البترا التنموي السياحي

Wadi Mousa Bqaah

2026

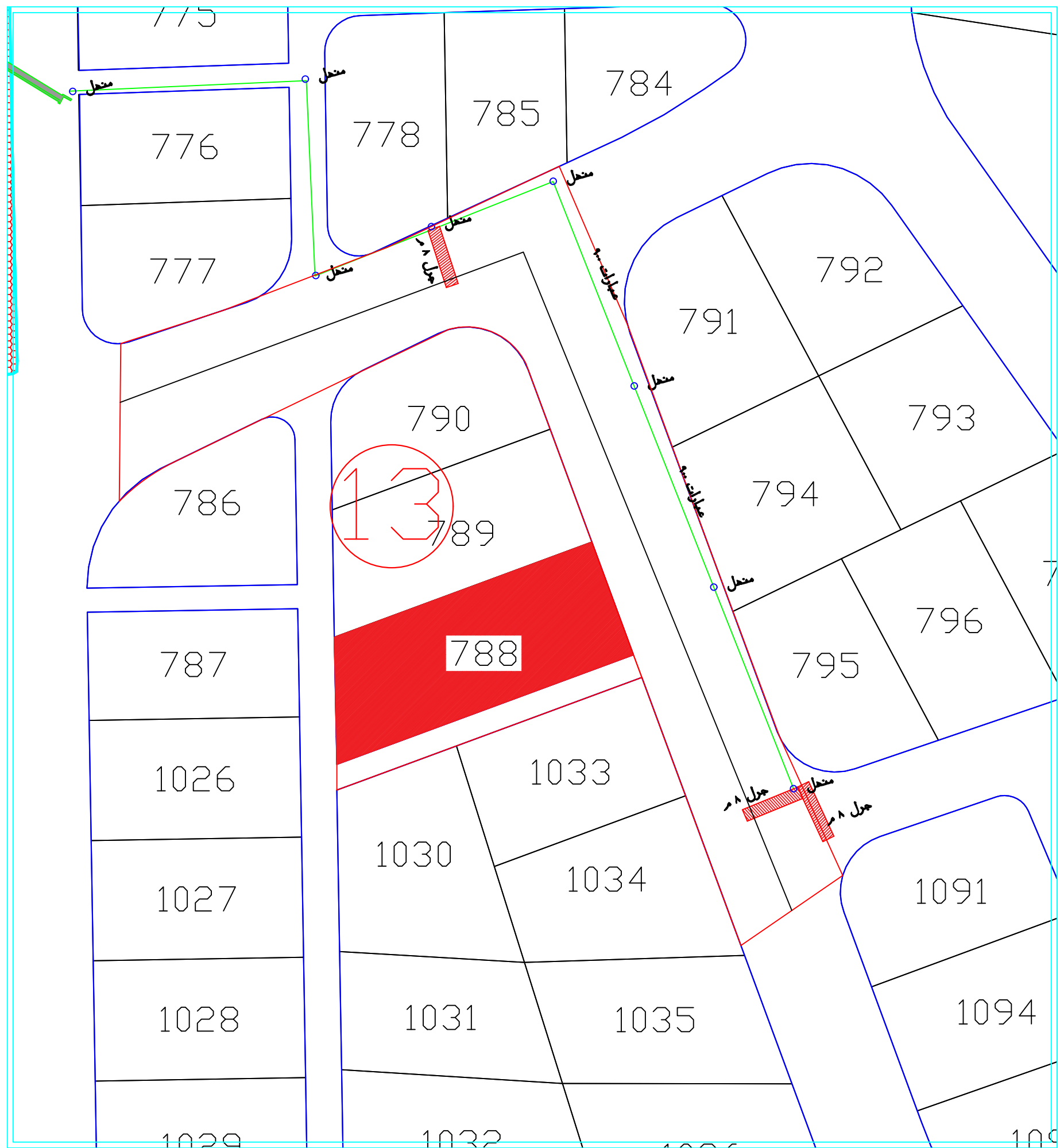


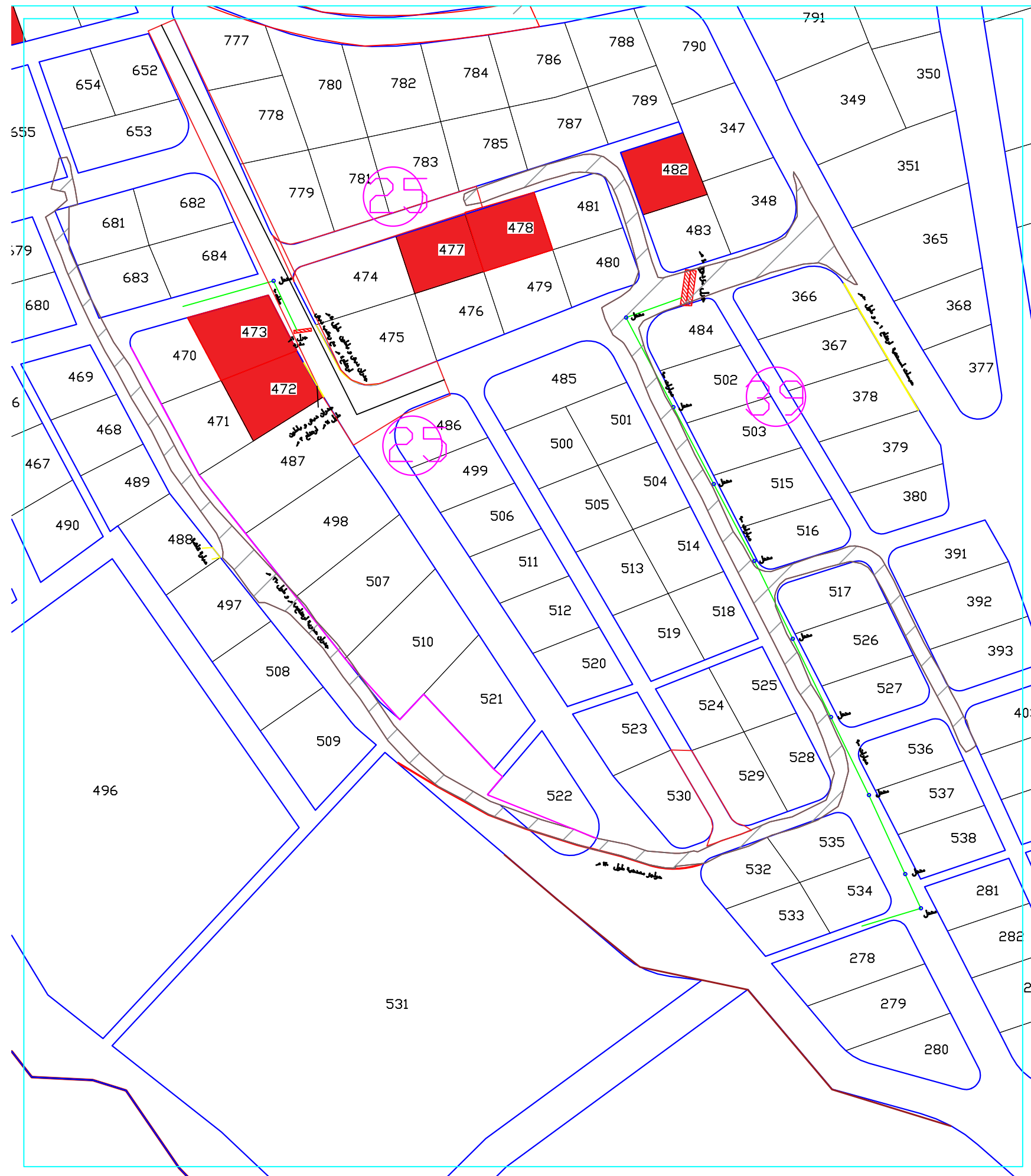
Petra Development & Tourism Region Authority

سلطة اقليم البترا التنموي السياحي

الجزء الاول

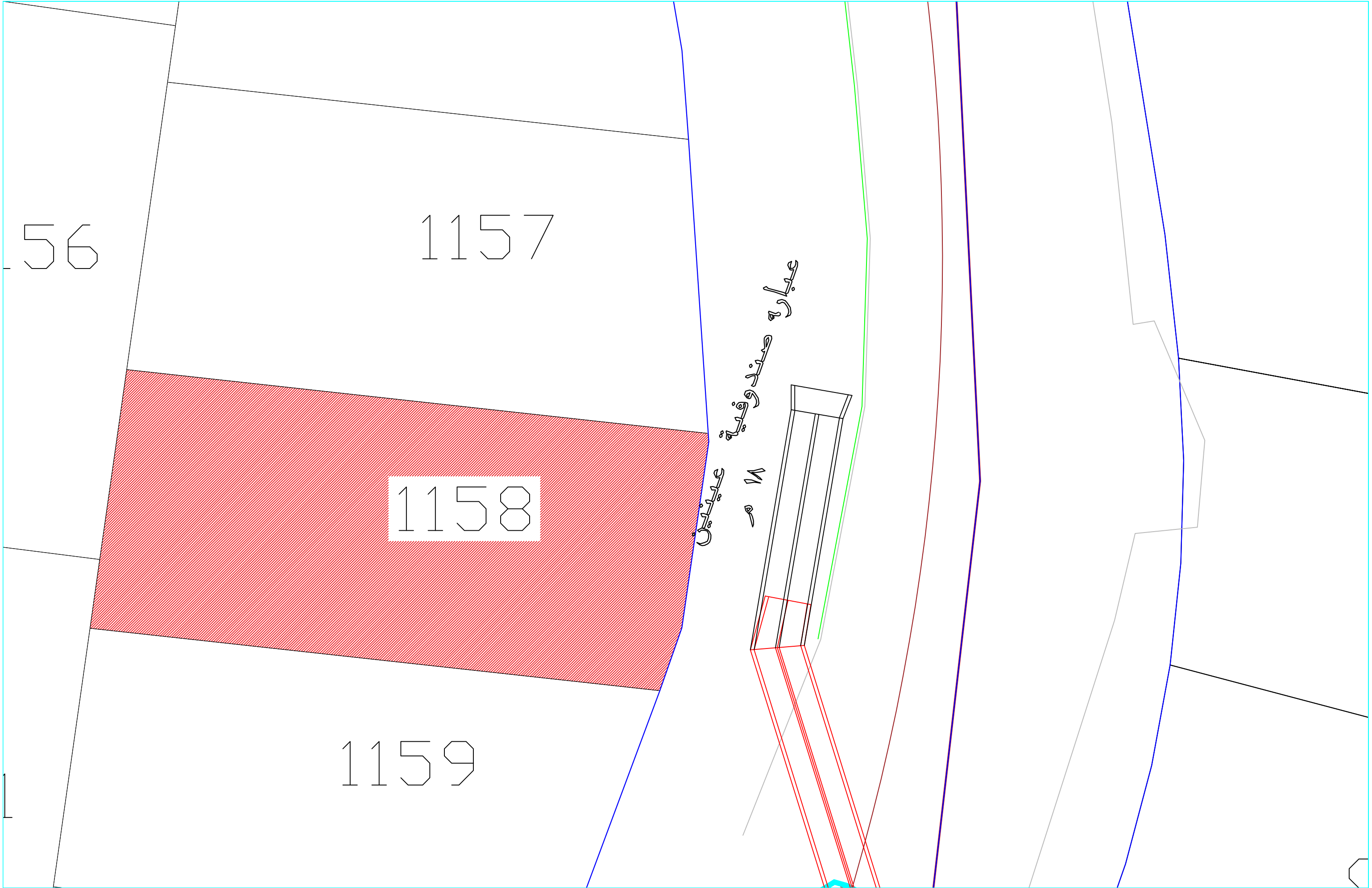
تصريف مياه امطار











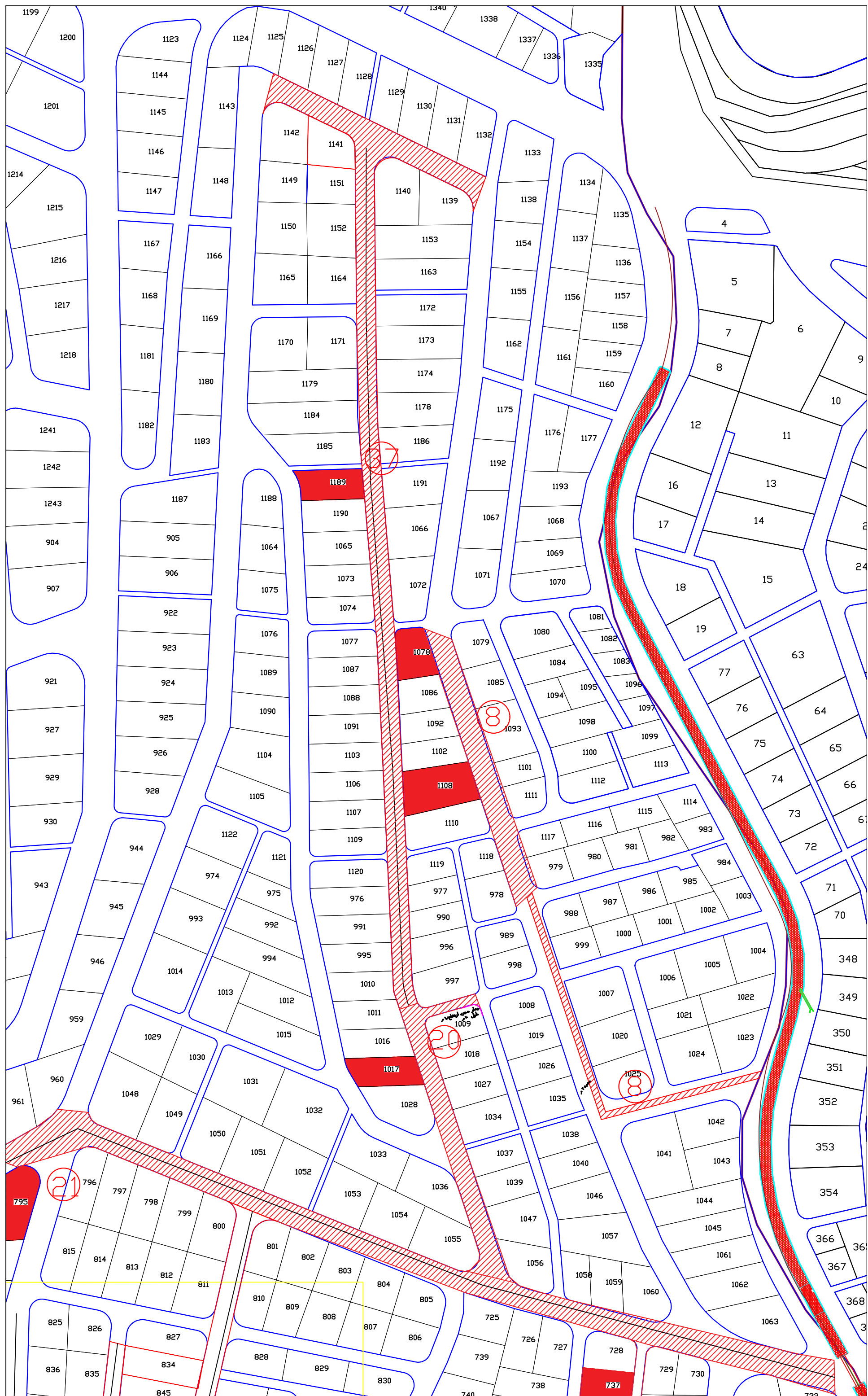


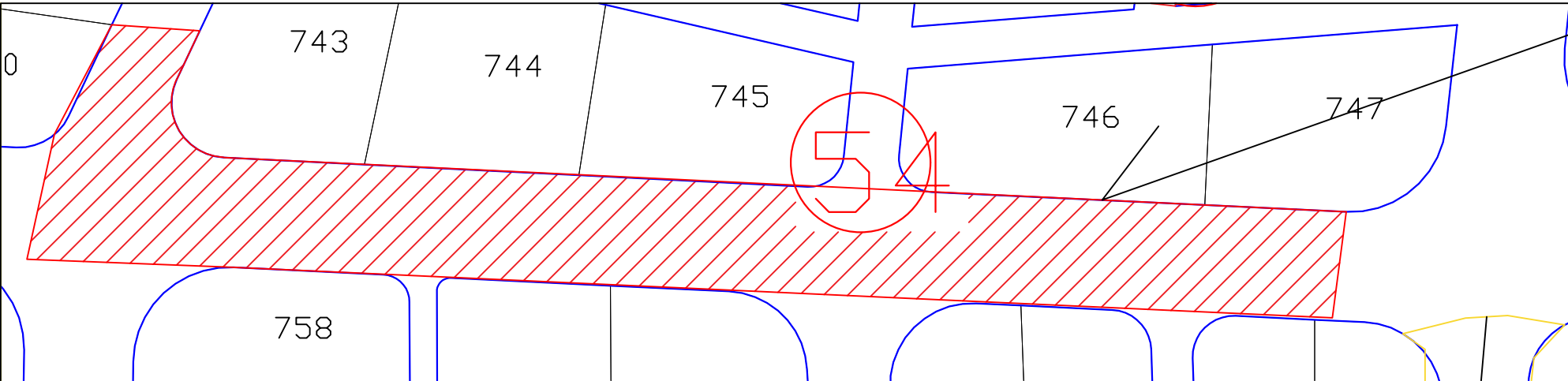
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سلطة اقليم البترا التنموي السياحي

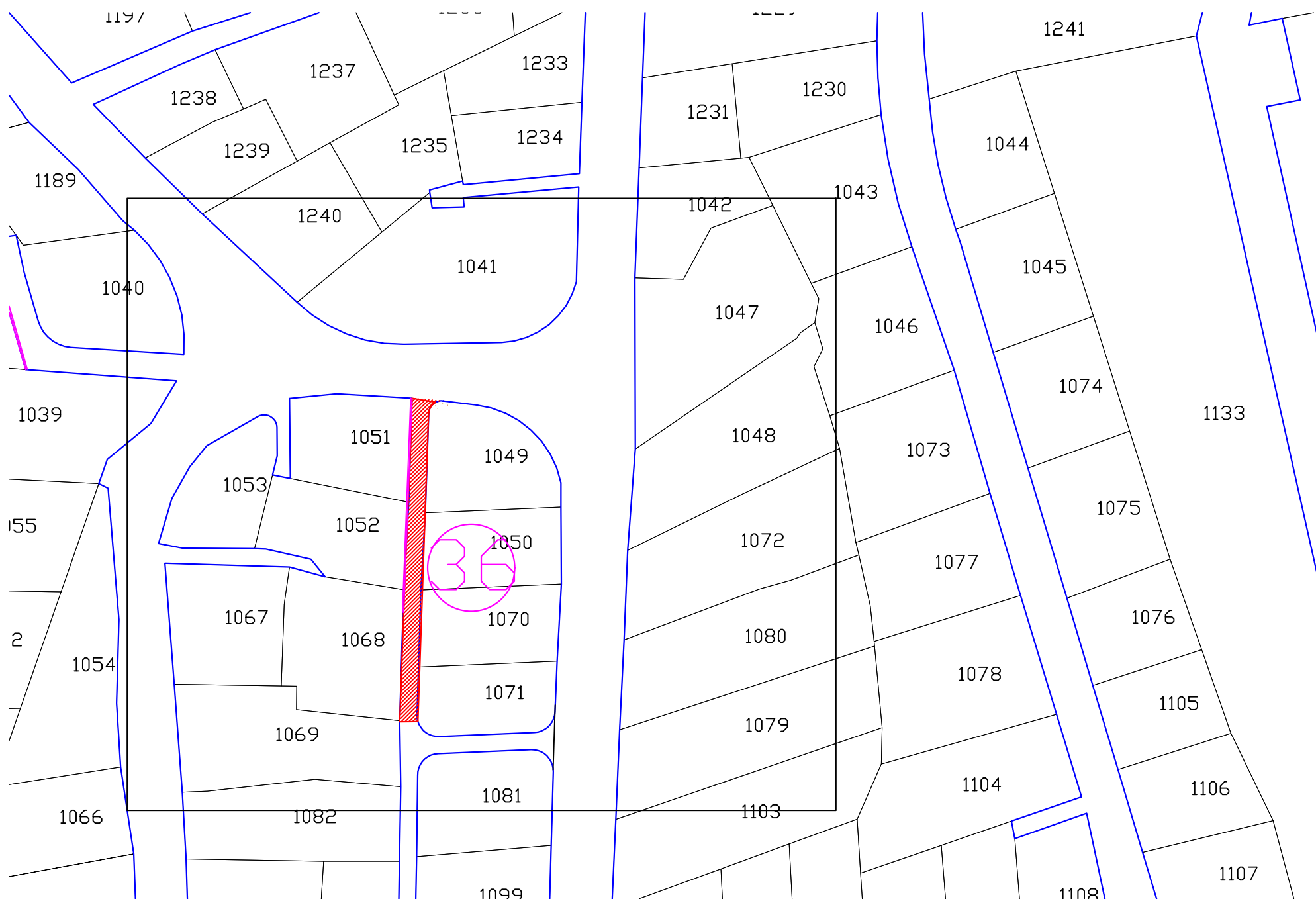
الجزء الثاني

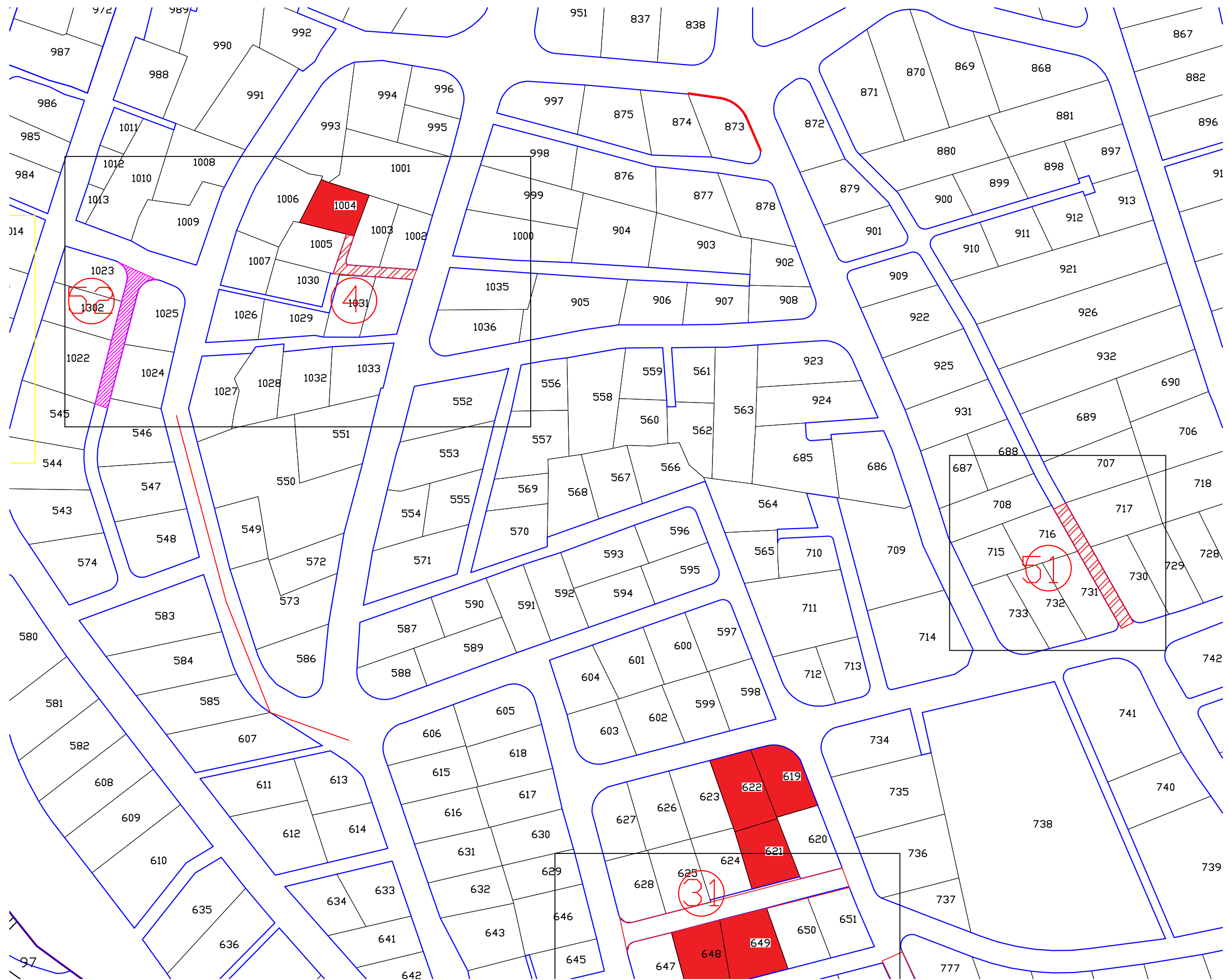
خلفات اسفلتية

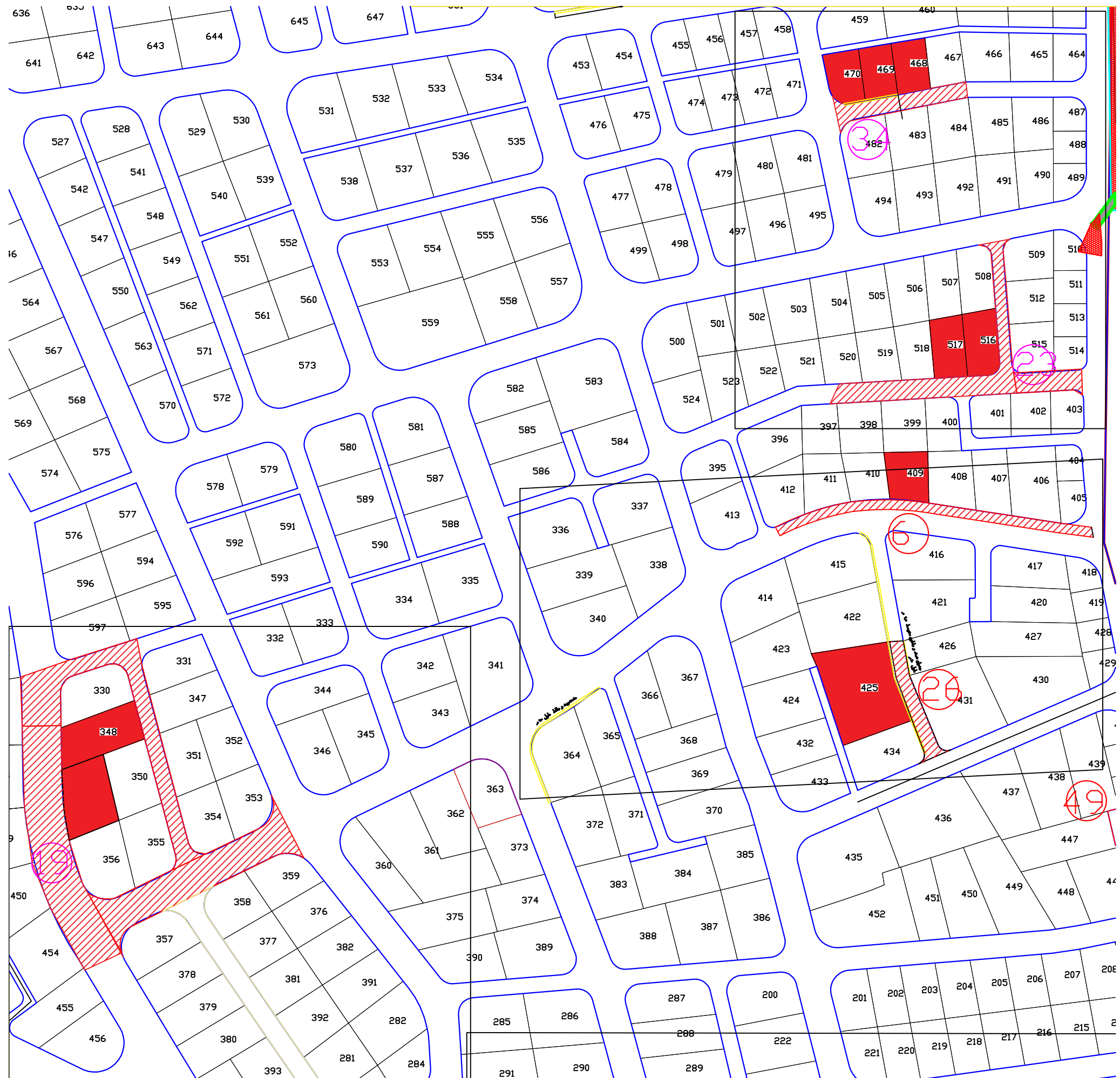


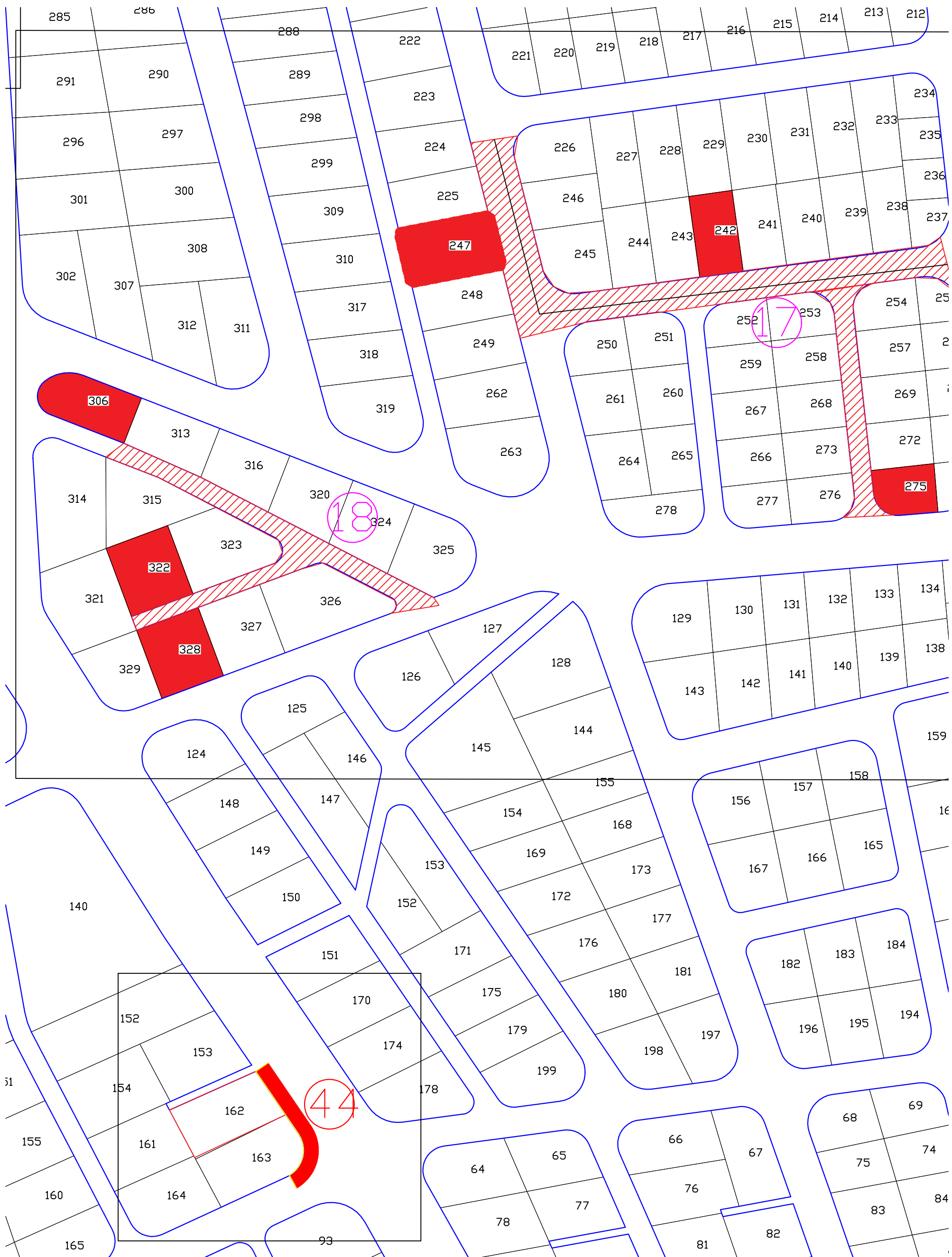




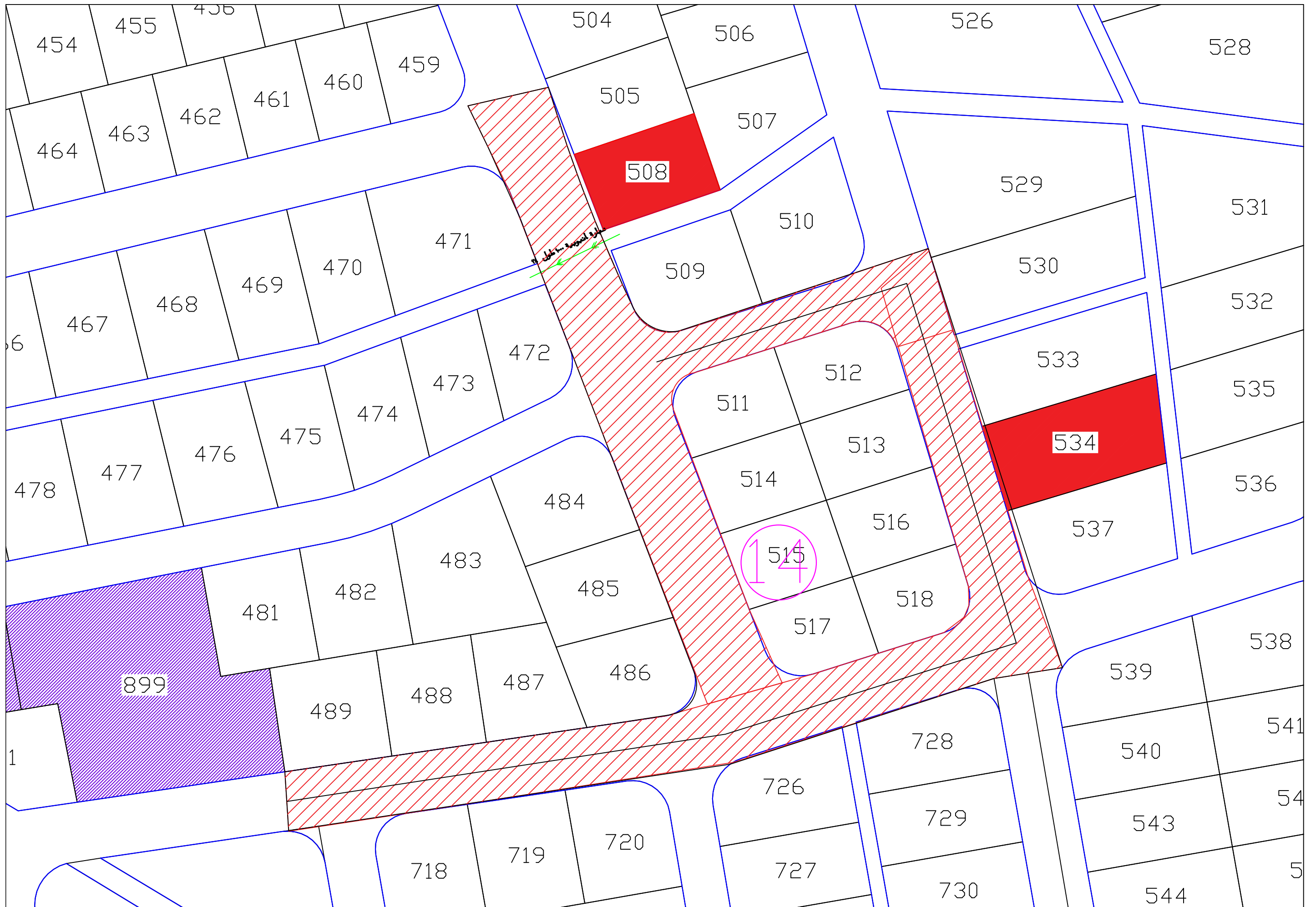


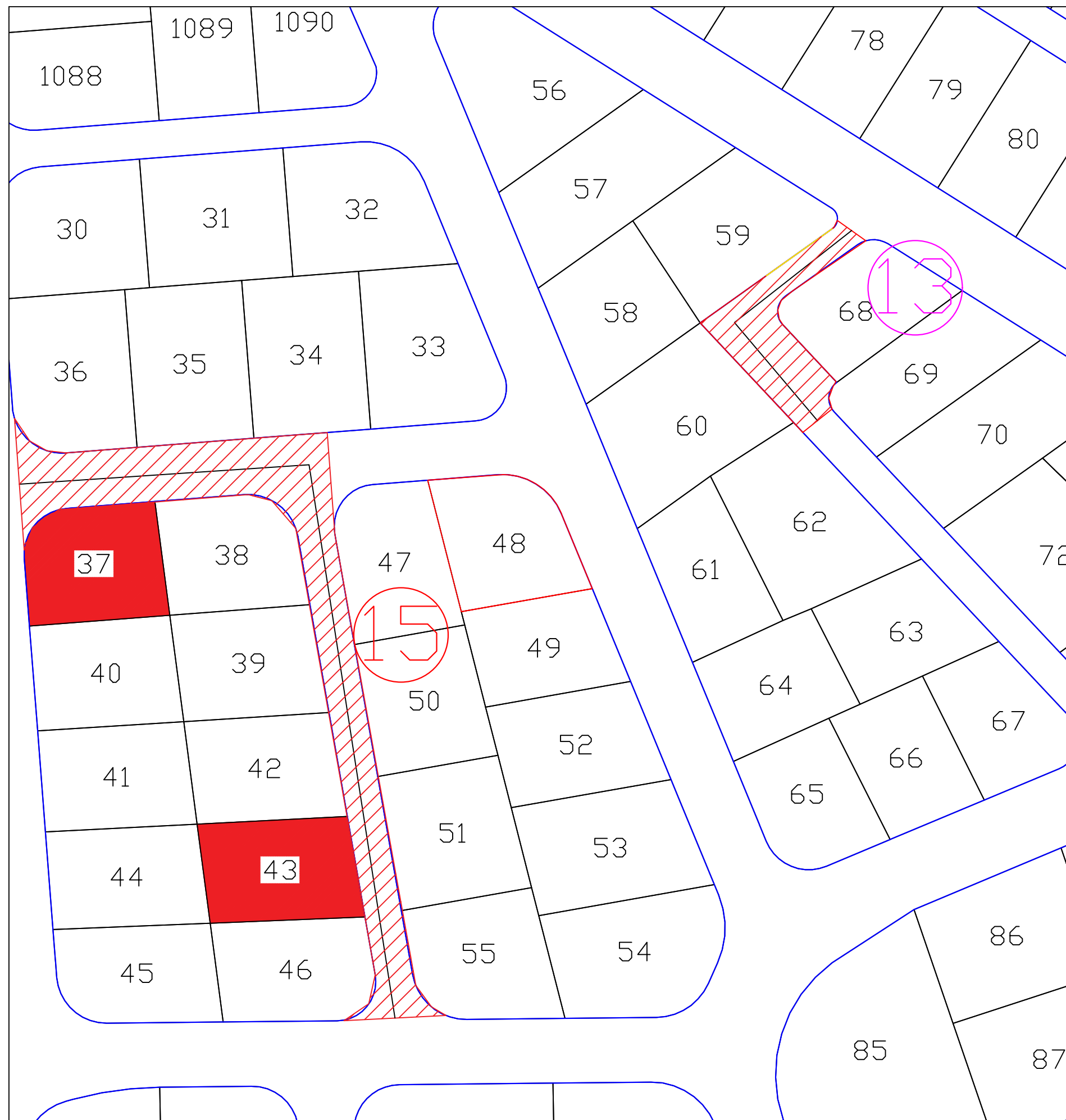


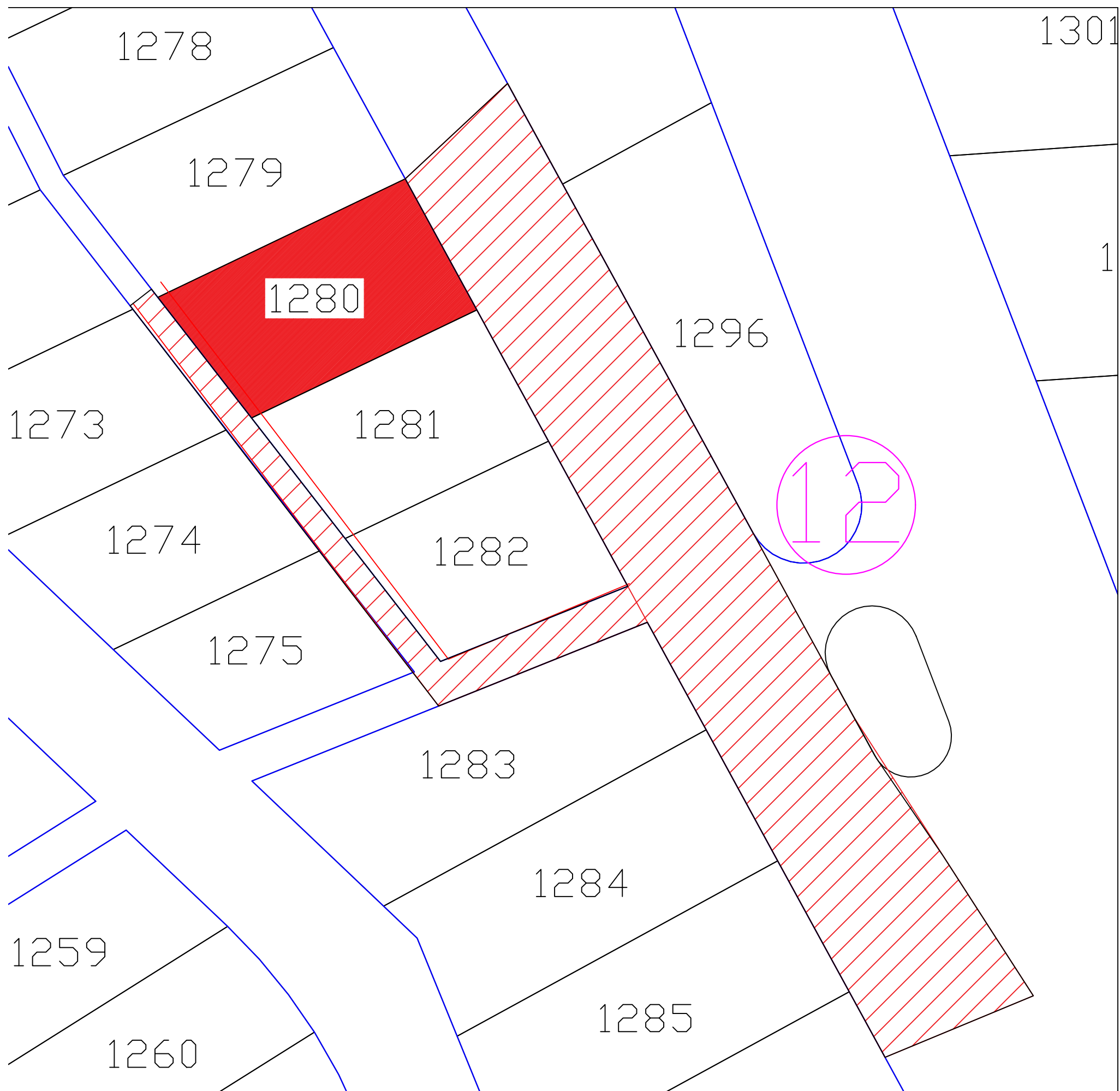






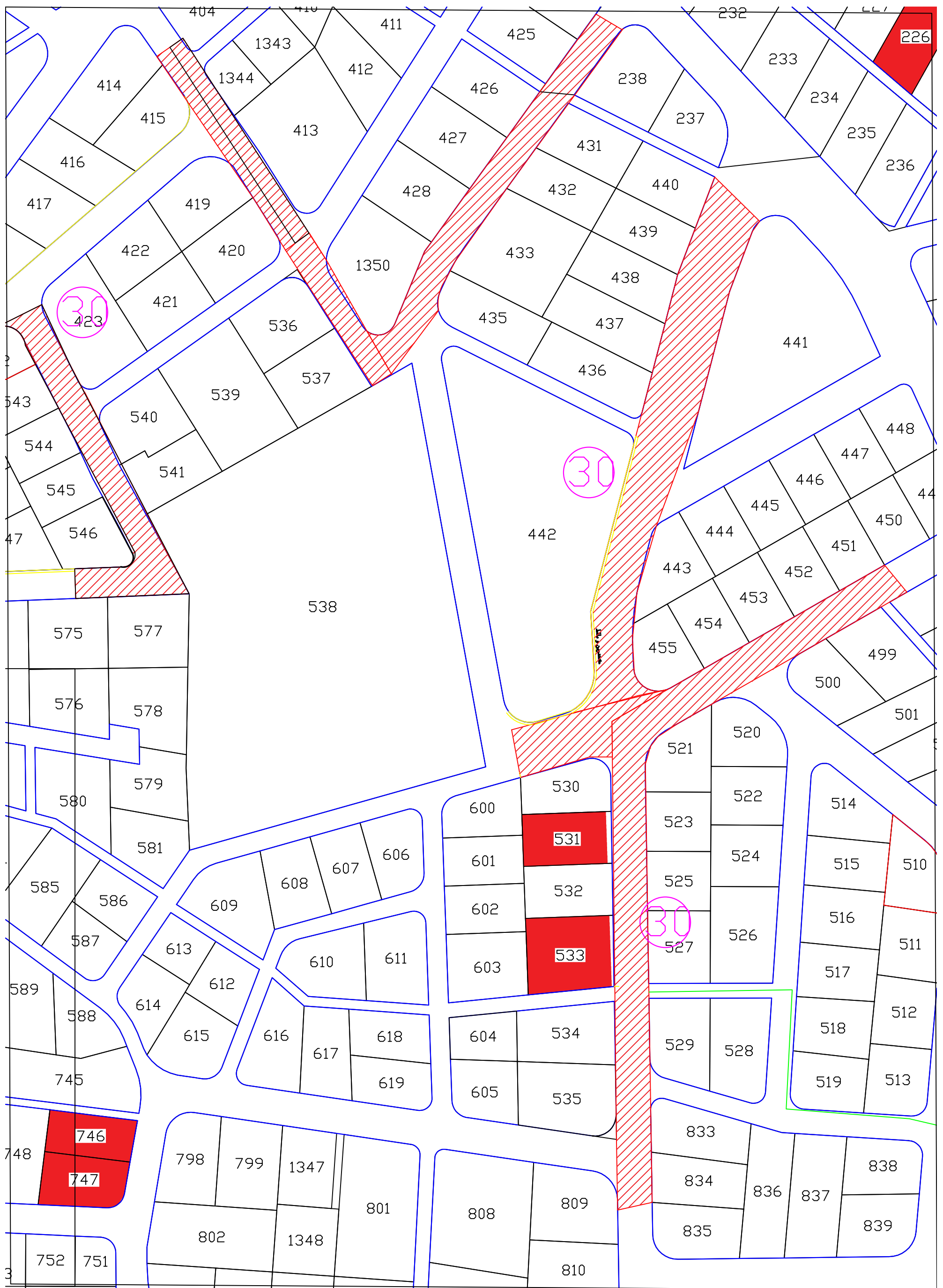


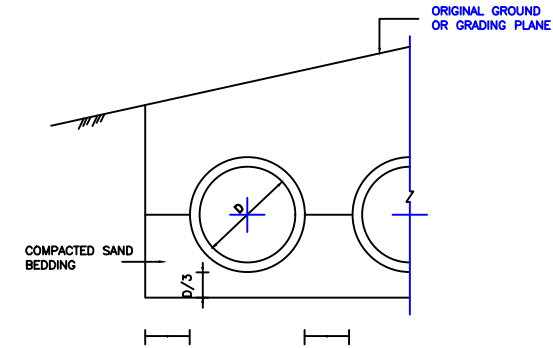
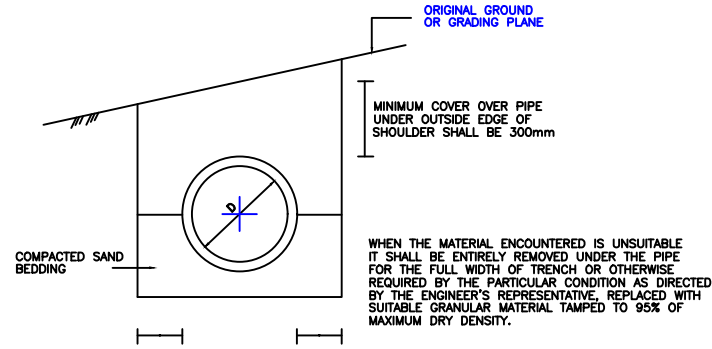




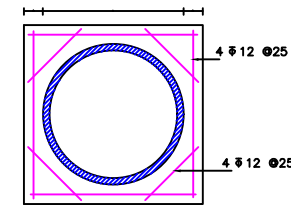




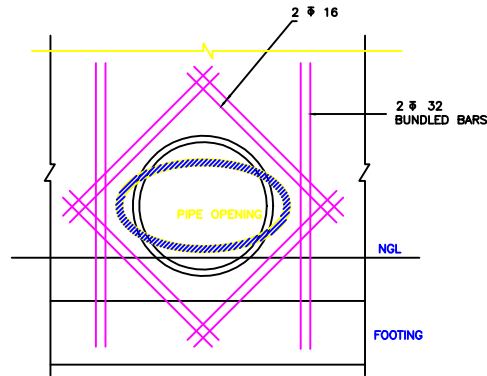




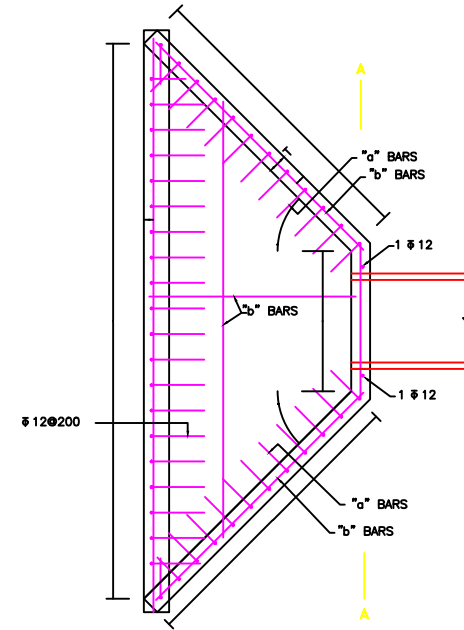
EXCAVATION AND BACKFILL OF PIPE TRENCHES AND BEDDING DETAIL



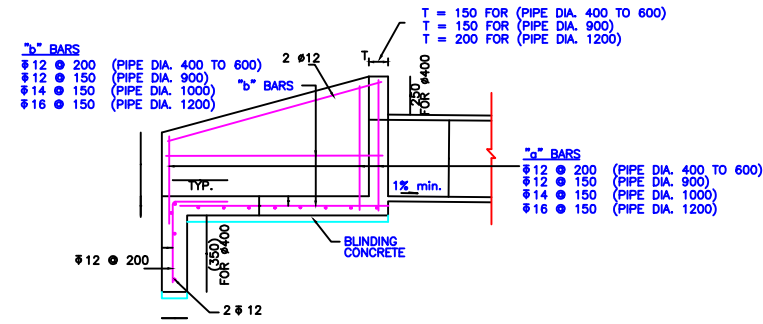
REINFORCED CONCRETE ENCASEMENT FOR PIPE CULVERT AND OUTLET PIPE



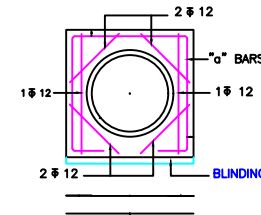
DETAIL IN RETAINING WALL AT PIPE INLET AND OUTLET



PLAN
PIPE CULVERT WING WALL



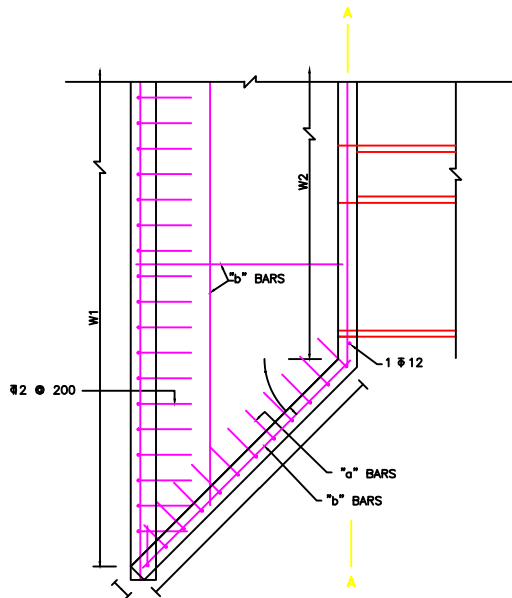
ELEVATION



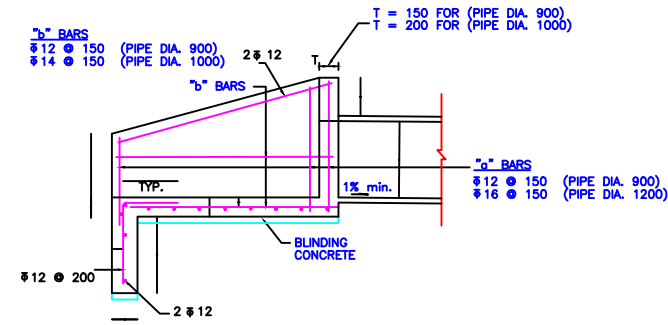
SECTION A - A

TABLE FOR SINGLE PIPE

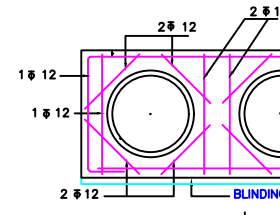
DIA. (mm.)	≤ 500	600	750	900	1000
L (cm.)	170	200	230	290	315
H (cm.)	50	50	60	70	75
W1 (cm.)	320	385	435	540	585
W2 (cm.)	90	100	110	130	140
Con. Cu. m. One Side Of Pipe	1.30	1.60	2.00	3.90	4.15



PLAN
MULTIPLE PIPE CULVERT HEAD WALL SKEW 0° TO 45°



ELEVATION



SECTION A - A

TABLE FOR MULTIPLE PIPE

DIA. (mm.)	No. OF PIPES	L (cm.)	H (cm.)	W1 (cm.)	W2 (cm.)	Con. Cu. m.
1000	2	315	75	735	290	4.30
	3	315	75	885	440	5.25
1200	2	370	80	865	340	5.90
	3	370	80	1045	520	7.20

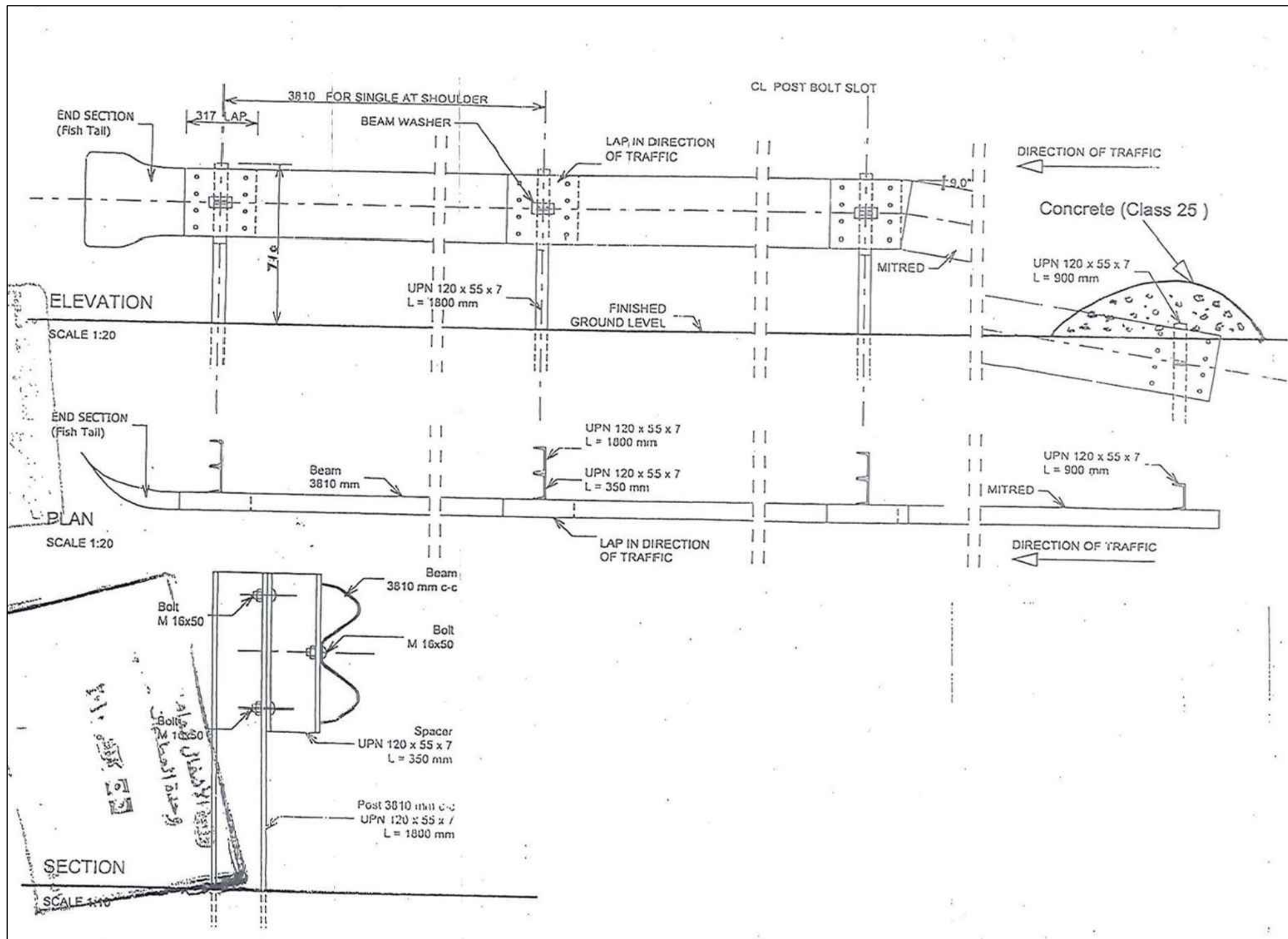


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DRAWING TITLE:

PIPE CULVERT
PLAN , SECTION & DETAILS

SCALE	Dimensions (mm.)	DRAWING NO.
1:1	1:1	

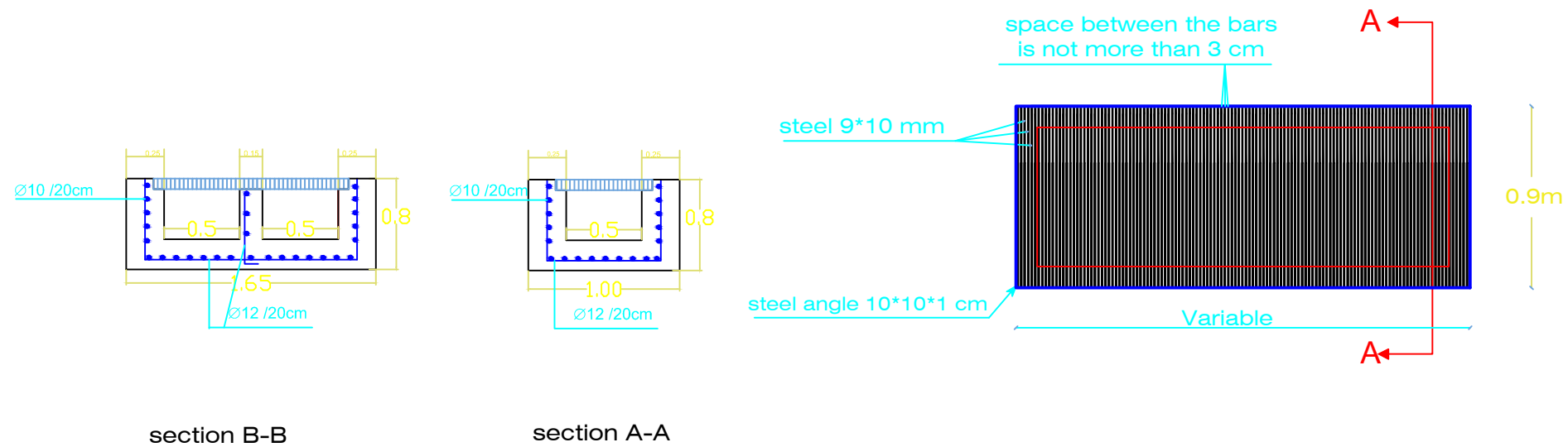


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 سلطة اقليم البترا التمتع

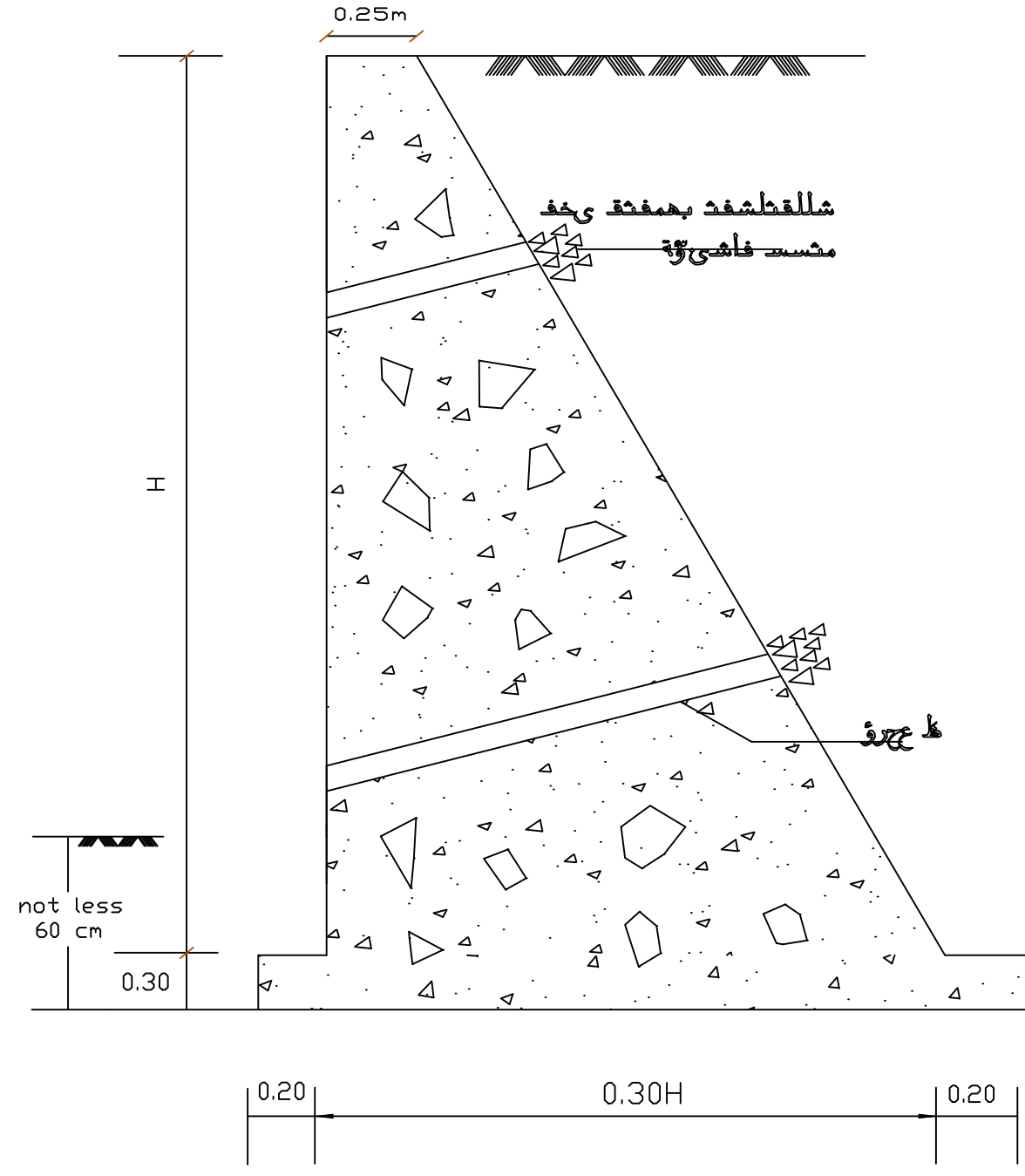
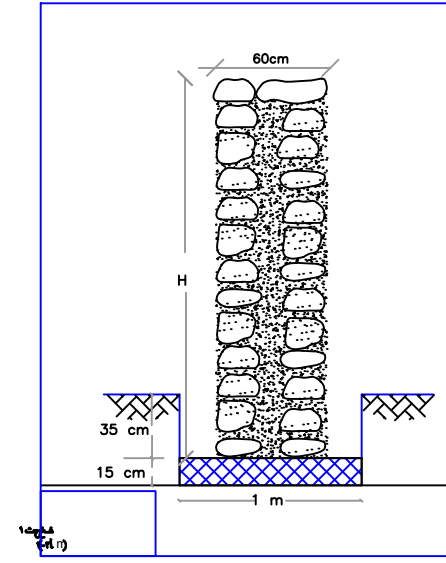
Wadi Mousa

Guardrail Details

SCALE	Dimensions	DRAWING NO.
	IN (m)	



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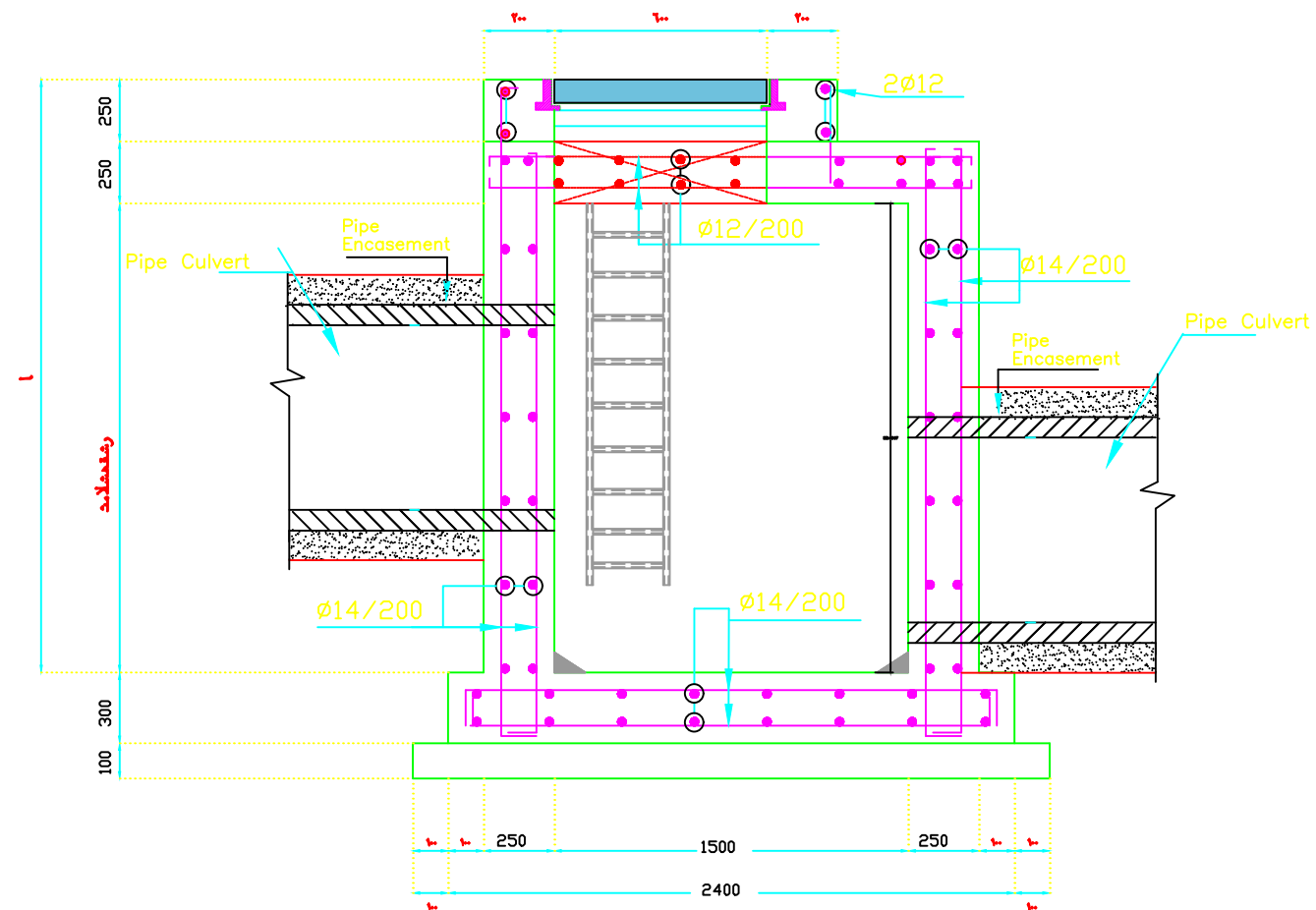
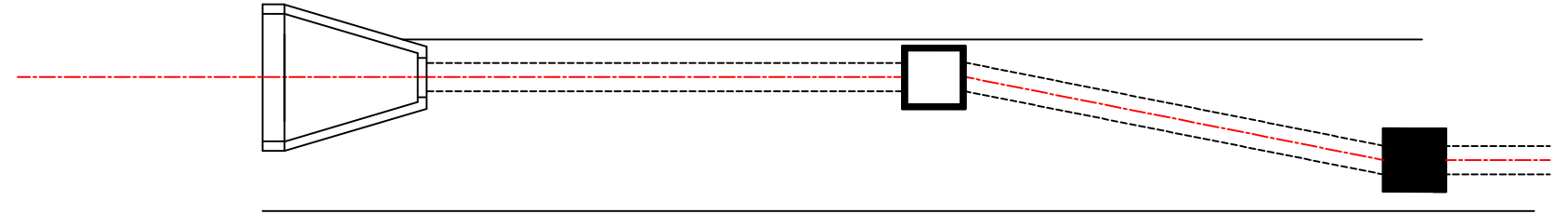
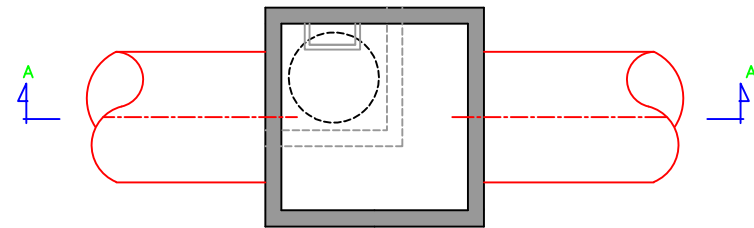


MASONRY RETAINING WALL - TYPICAL SEC.

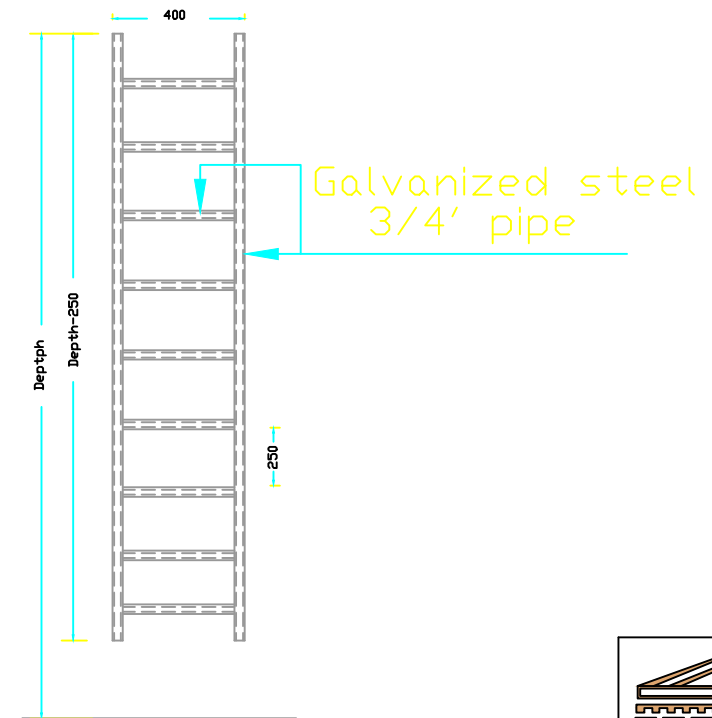


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DRAWING TITLE: Typical Details		
SCALE	Dimensions (mm)	DRAWING NO.
	1:1	



SECTION A-A
SCALE 1/20



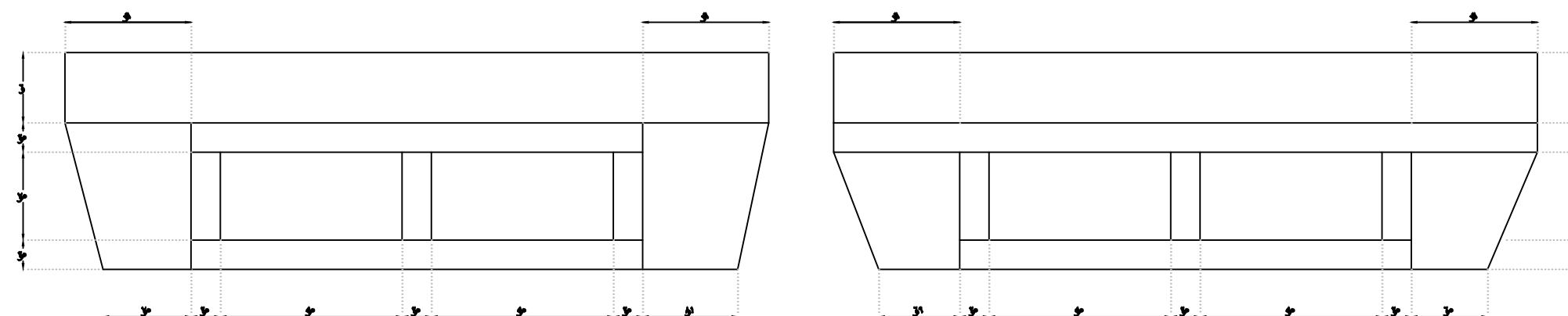
THE INSIDE STEEL STAIR DETAIL



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DRAWING TITLE:
PIPE MANHOLE

SCALE	Drawn by: Jm	DRAWING NO.
IN (m)		



خففه بفخف رهش

Contractor's	Consultant's

LEGEND:—

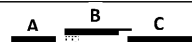
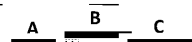
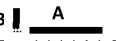
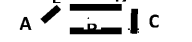
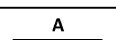
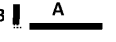
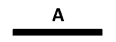
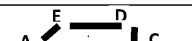
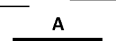
Consultant:

Contractor: _____

Title:	As built Plan & level & Qty. of Box culvert B-Q @ Sta. 1+150
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A horizontal scale bar labeled "METERS" with markings at 0, 20, 40, 60, 80, and 100.

Drawing Number:	Rev.:
ST- PT09 -AS- 601	0

Location: Box culvert B-Q @ Sta. 1+150															
BARREL															
Bar Coode	Dimension					Bar Shape	Bar Ø (mm)	Spacinng (mm)	No. of Bars Sets	No. of Same Type	Bar Length (m)	Total No. Bars (pcs)	Bar Wt (kg/m)	Total Bar Wt (kg)	Total Bar Wt (Ton)
	A	B	C	D	E										
A	3.75	0.37	0.37	0.00	0.00		14	200	2	126	4.49	252	1.210	1368.951	1.369
B	1.15	0.00	0.00	0.00	0.00		12	200	2	126	1.15	252	0.889	257.600	0.258
C	3.75	0.00	0.00	0.00	0.00		14	200	2	126	3.75	252	1.210	1143.333	1.143
E	12.00	12.00	2.55	0.00	0.00		12	200	4	19	26.55	76	0.889	1793.600	1.794
F	1.10	0.45	0.45	0.00	0.00		14	200	2	123	2.00	246	1.210	595.259	0.595
G	1.10	0.25	0.25	0.00	0.00		14	200	2	123	1.60	246	1.210	476.207	0.476
H	1.10	0.10	0.10	0.35	0.00		14	200	2	123	1.65	246	1.210	491.089	0.491
I	12.00	12.00	2.55	0.00	0.00		12	200	4	4	26.55	16	0.889	377.600	0.378
J	12.00	12.00	2.55	0.00	0.00		12	200	2	4	26.55	8	0.889	188.800	0.189
SIZE	8	10	12	14	16	18	20	25	30	TOTAL WEIGHT					
WEIGHT	0.00	0.00	2.62	4.07	0.00	0.00	0.00	0.00	0.00	6.69					
Inlet															
Location	Dimension					Bar Shape	Bar Ø (mm)	Spacinng (mm)	No. of Bars Sets	No. of Same Type	Bar Length (m)	Total No. Bars (pcs)	Bar Wt (kg/m)	Total Bar Wt (kg)	Total Bar Wt (Ton)
	A	B	C	D	E										
C	1.15	0.15	0.00	0.00	0.00		14	200	2	8	1.30	16	1.210	25.165	0.025
D- Wall 1	0.81	0.00	0.00	0.00	0.00		12	200	2	6	0.81	12	0.889	8.640	0.009
D- Wall 2	0.83	0.00	0.00	0.00	0.00		12	200	2	6	0.83	12	0.889	8.853	0.009
E	0.12	0.75	0.12	0.75	0.10		12	200	1	31	1.84	31	0.889	50.702	0.051
F	5.90	0.00	0.00	0.00	0.00		12	~	2	2	5.90	4	0.889	20.978	0.021
SIZE	8	10	12	14	16	18	20	25	30	TOTAL WEIGHT					
WEIGHT	0.00	0.00	0.09	0.03	0.00	0.00	0.00	0.00	0.00	0.11					
Outlet															
Location	Dimension					Bar Shape	Bar Ø (mm)	Spacinng (mm)	No. of Bars Sets	No. of Same Type	Bar Length (m)	Total No. Bars (pcs)	Bar Wt (kg/m)	Total Bar Wt (kg)	Total Bar Wt (Ton)
	A	B	C	D	E										
C	1.15	0.15	0.00	0.00	0.00		14	200	2	8	1.30	16	1.210	25.165	0.025
D- Wall 1	0.76	0.00	0.00	0.00	0.00		12	200	2	6	0.76	12	0.889	8.107	0.008
D- Wall 2	0.75	0.00	0.00	0.00	0.00		12	200	2	6	0.75	12	0.889	8.000	0.008
E	0.12	0.75	0.12	0.75	0.10		12	200	1	31	1.84	31	0.889	50.702	0.051
F	5.90	0.00	0.00	0.00	0.00		12	~	2	2	5.90	4	0.889	20.978	0.021
SIZE	8	10	12	14	16	18	20	25	30	TOTAL WEIGHT					
WEIGHT	0.00	0.00	0.09	0.03	0.00	0.00	0.00	0.00	0.00	0.11					
SIZE	8	10	12	14	16	18	20	25	30	TOTAL WEIGHT					
WEIGHT	0.00	0.00	2.79	4.13	0.00	0.00	0.00	0.00	0.00	6.92					

Contractor's	Consultant's