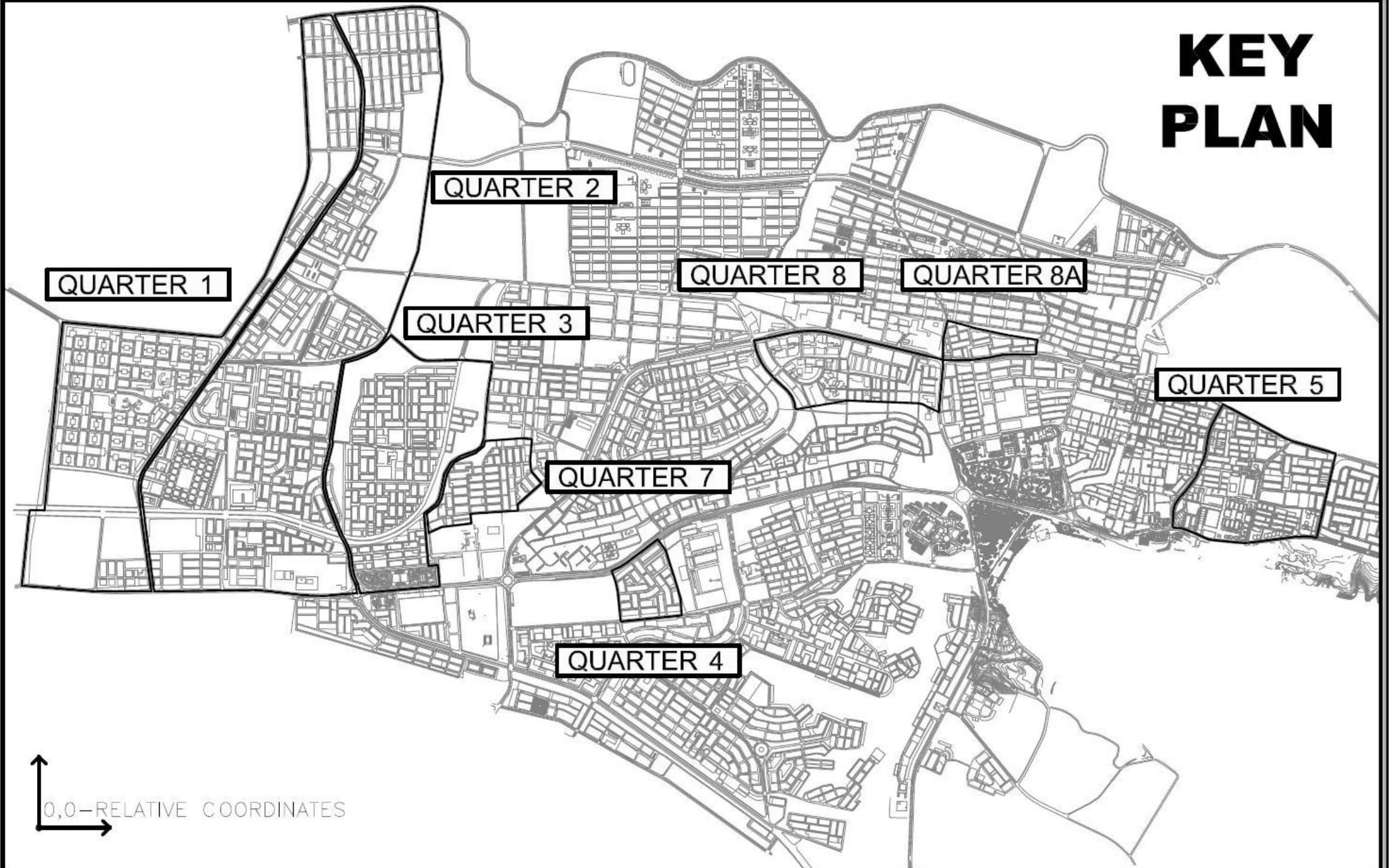


# KEY PLAN



# PROCEDURE FOLLOW TO CONSTRUCT ALL WORKS

TRACK DIGGING &  
EXCAVATE ROADS

SPREAD SHAPE AND  
COMPACT SUB-BASE LAYER

TRACK DIGGING &  
EXCAVATE SEWAGE OR  
STORM TRENCH





BEDDING LAY PIPE  
SURROUND  
BACKFILL  
SEWAGE TRENCH

TRACK DIGGING &  
EXCAVATE MAIN  
DRINKING WATER TRENCH

TRACK DIGGING &  
EXCAVATE  
HC SEWAGE





TRACK DIGGING &  
EXCAVATE  
SIDEWALK

BEDDING LAY PIPE  
SURROUND HC  
DRINKING WATER

BEDDING LAY PIPE  
SURROUND  
ELECTRICAL LV CABLE

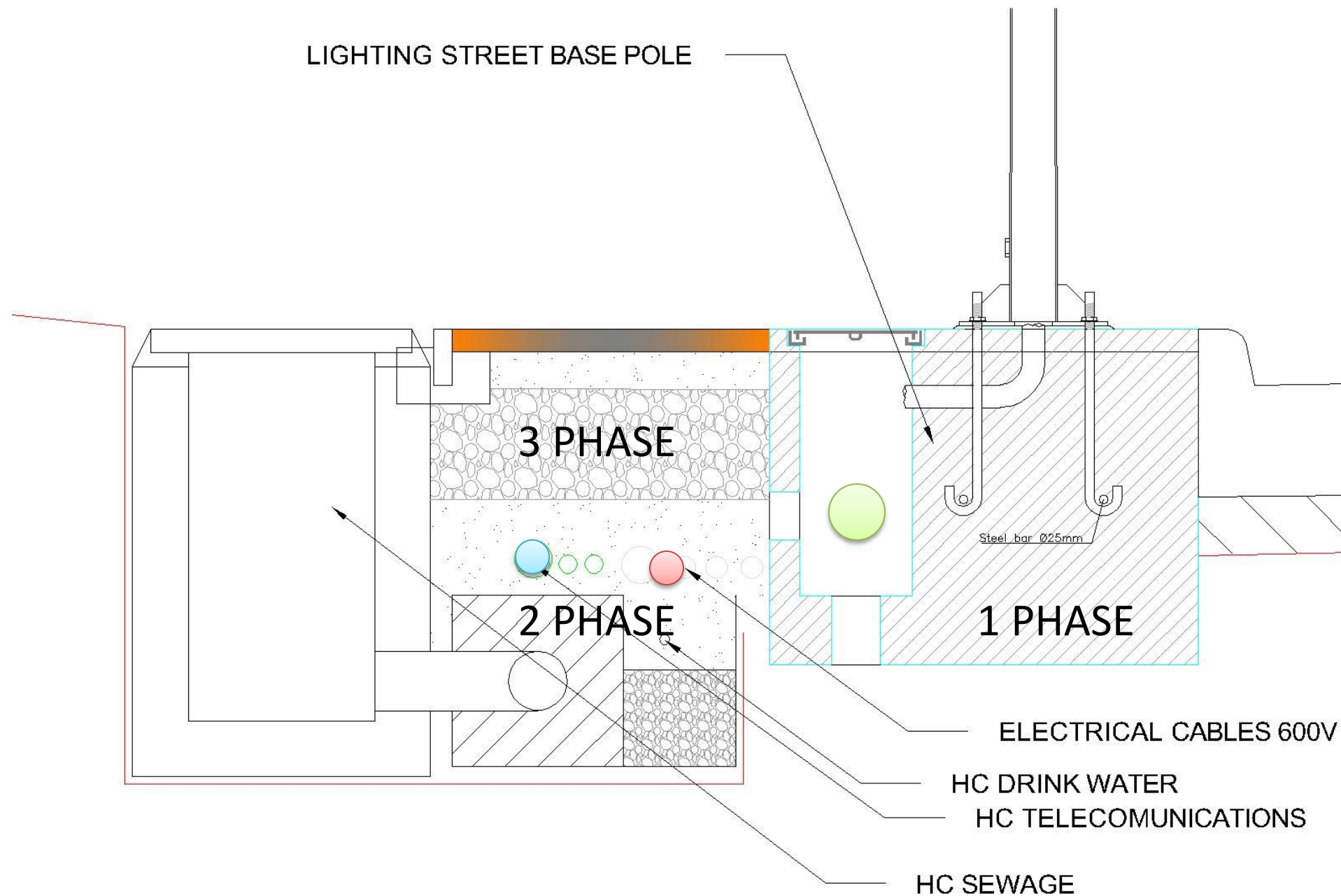




TRACK DIGGING &  
EXCAVATE AND LAY  
11 KV MV CABLE

BEDDING LAY PIPE  
SURROUND  
TELECOMMUNICATIONS  
UPVC PIPES

LAY BASE LIGHTING  
STREET POLE

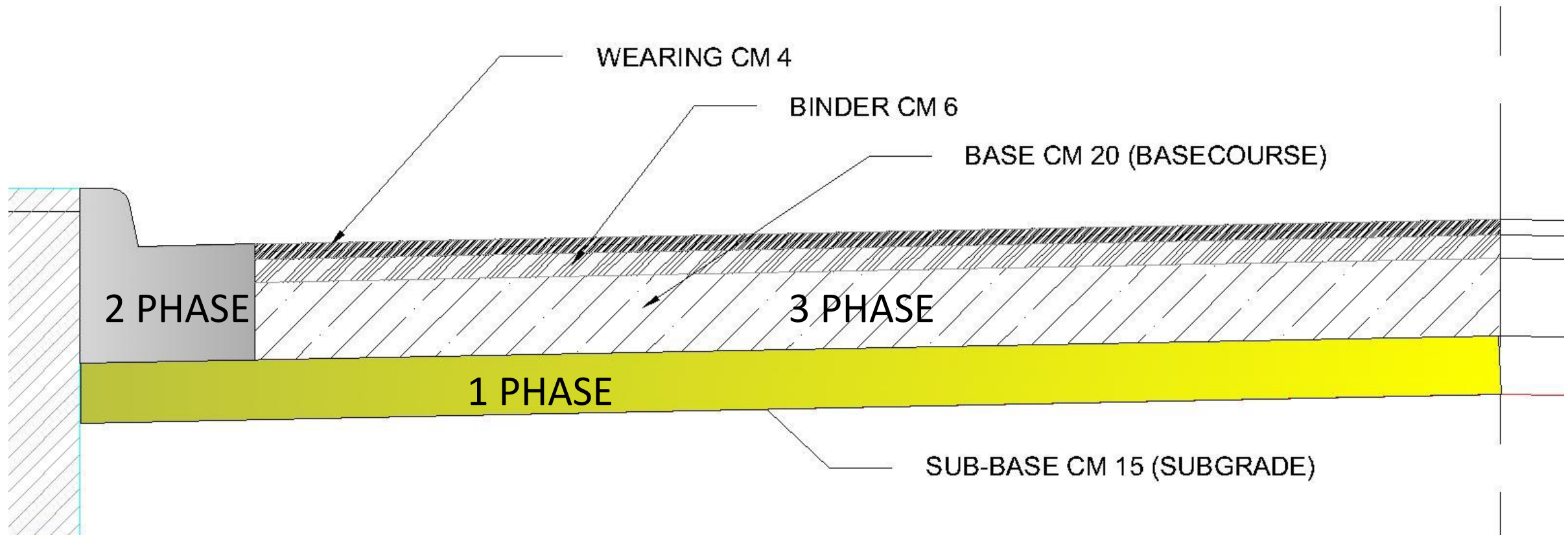




BEDDING LAY  
PIPE SURROUND  
LIGHTING STREET  
UPVC PIPES

SURROUND AND  
BACKFILL SIDEWALK

SPREAD SHAPE AND  
COMPACT SUB-BASE  
LAYER BY SUBGRADE





MADE CURBSTONES  
CASTING ON SITE WITH  
SPECIAL MACHINE

SPREAD SHAPE AND  
COMPACT BASE LAYER  
BY BASECOURSE

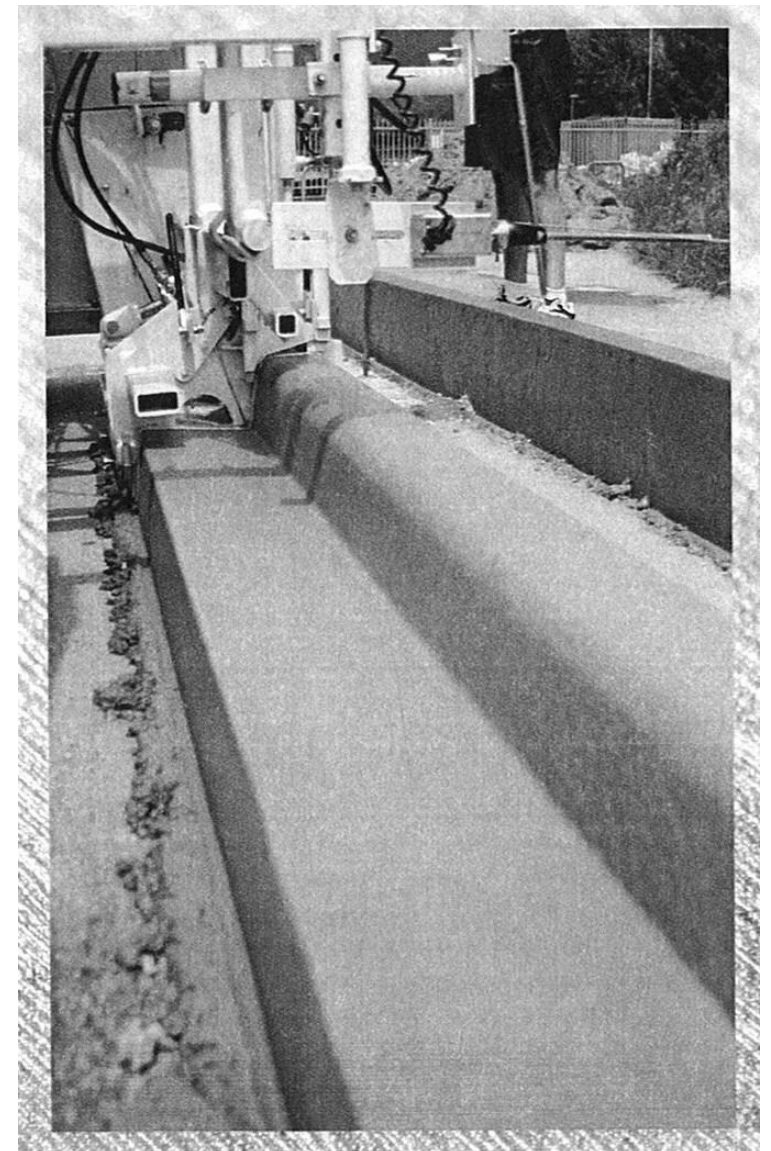
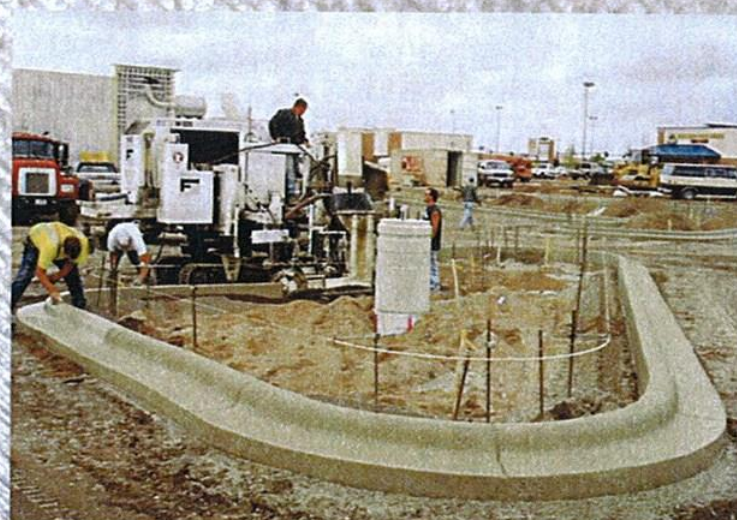
FINISHING WORKS BEFORE  
ASPHALT LAY IRON CAST  
COVER AND GULLIES



MARCIAPIEDI E CICLABILI



CUNETTE E CANALETTE



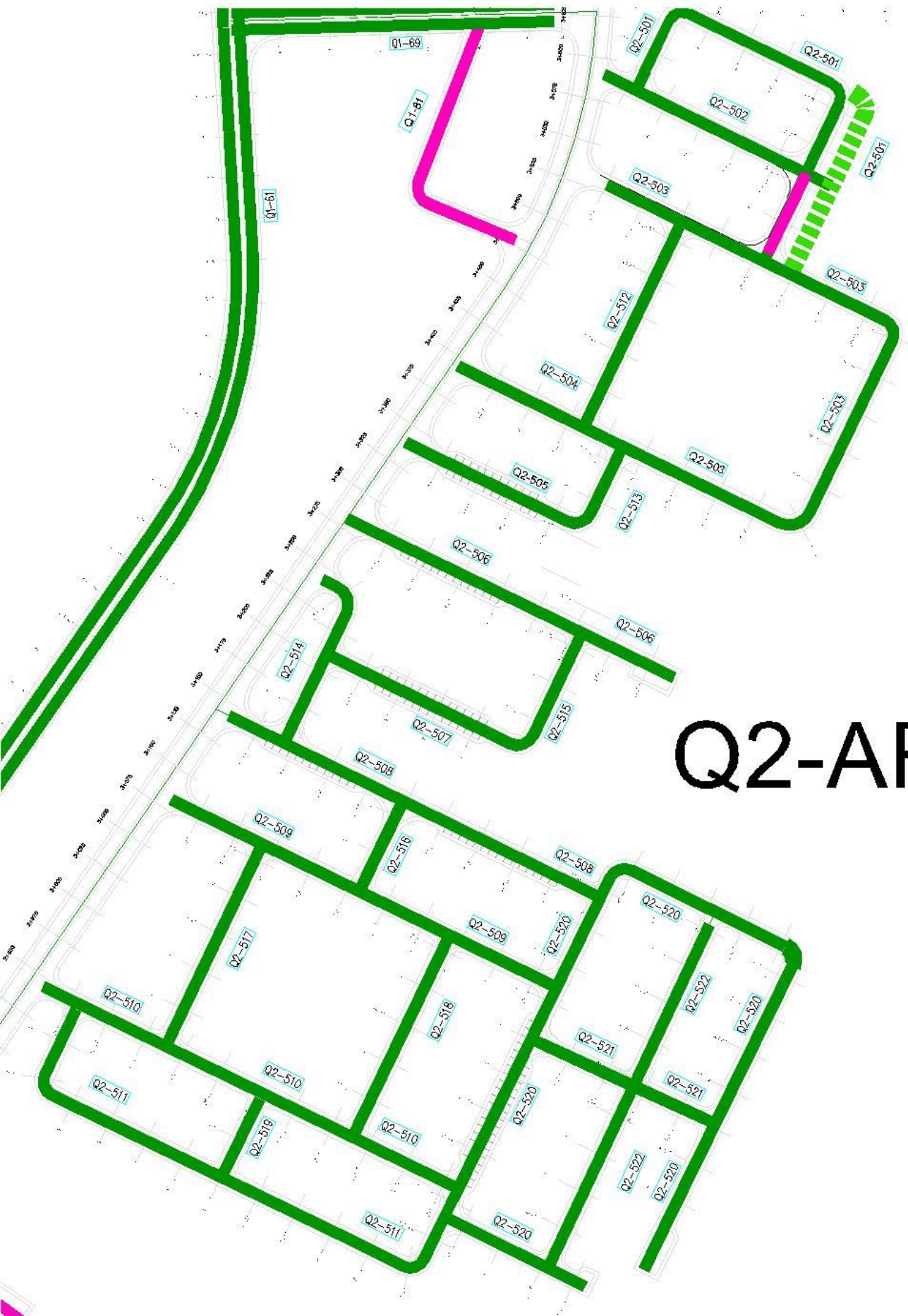


# Q2-AREA 6



Total on BOQ	14 512 lm
Done on Feb. '14	13 286 lm
Obstacle found	50 lm
Waiting HIB/CM-CS	1 176 lm (asphalt)
Ready to do at Feb. '14	-



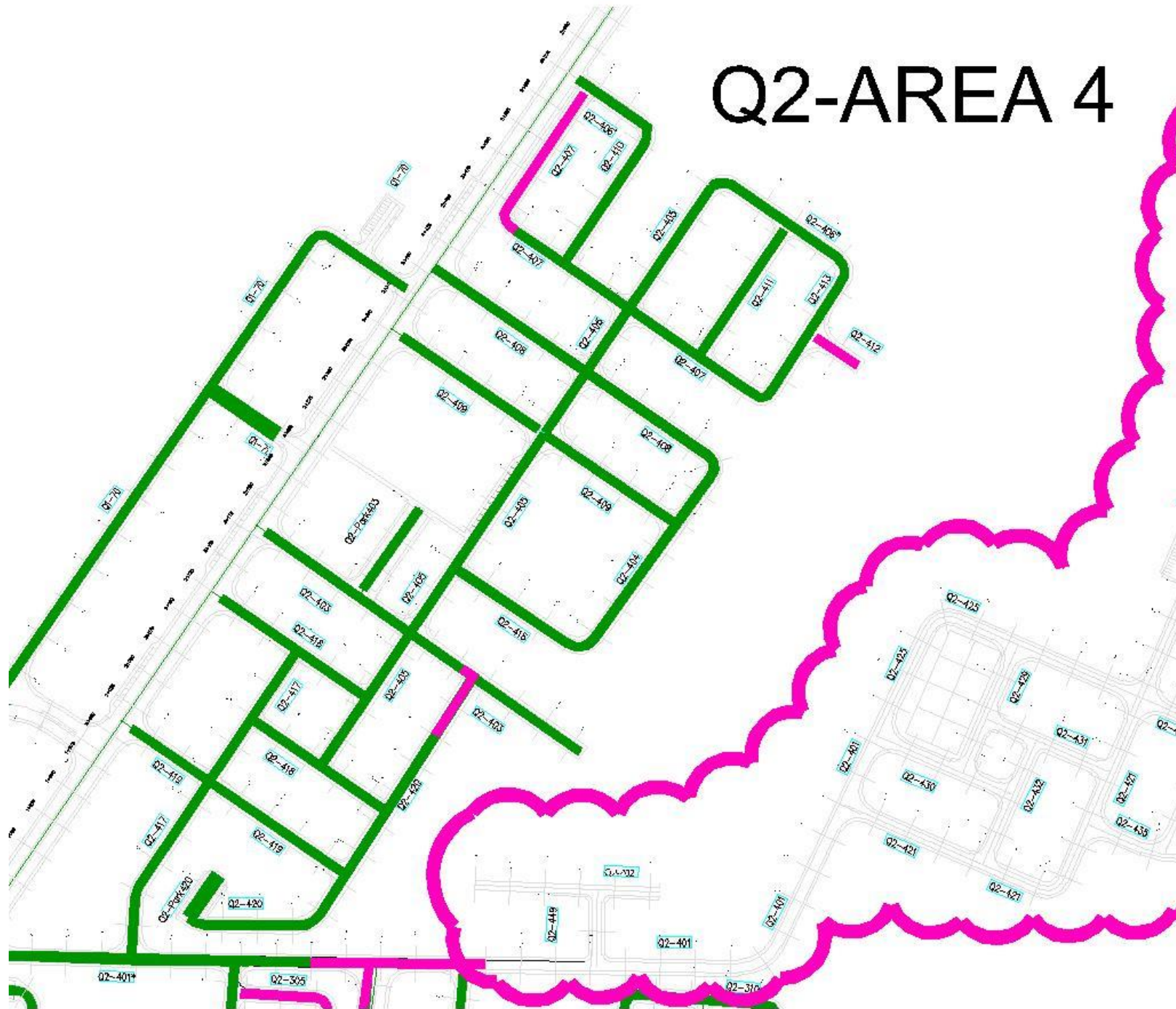


# Q2-AREA 5

Total on BOQ	5 255 lm
Done on Feb. '14	5 205 lm
Obstacle found	50 lm
Waiting HIB/CM-CS	-
Ready to do at Feb. '14	-

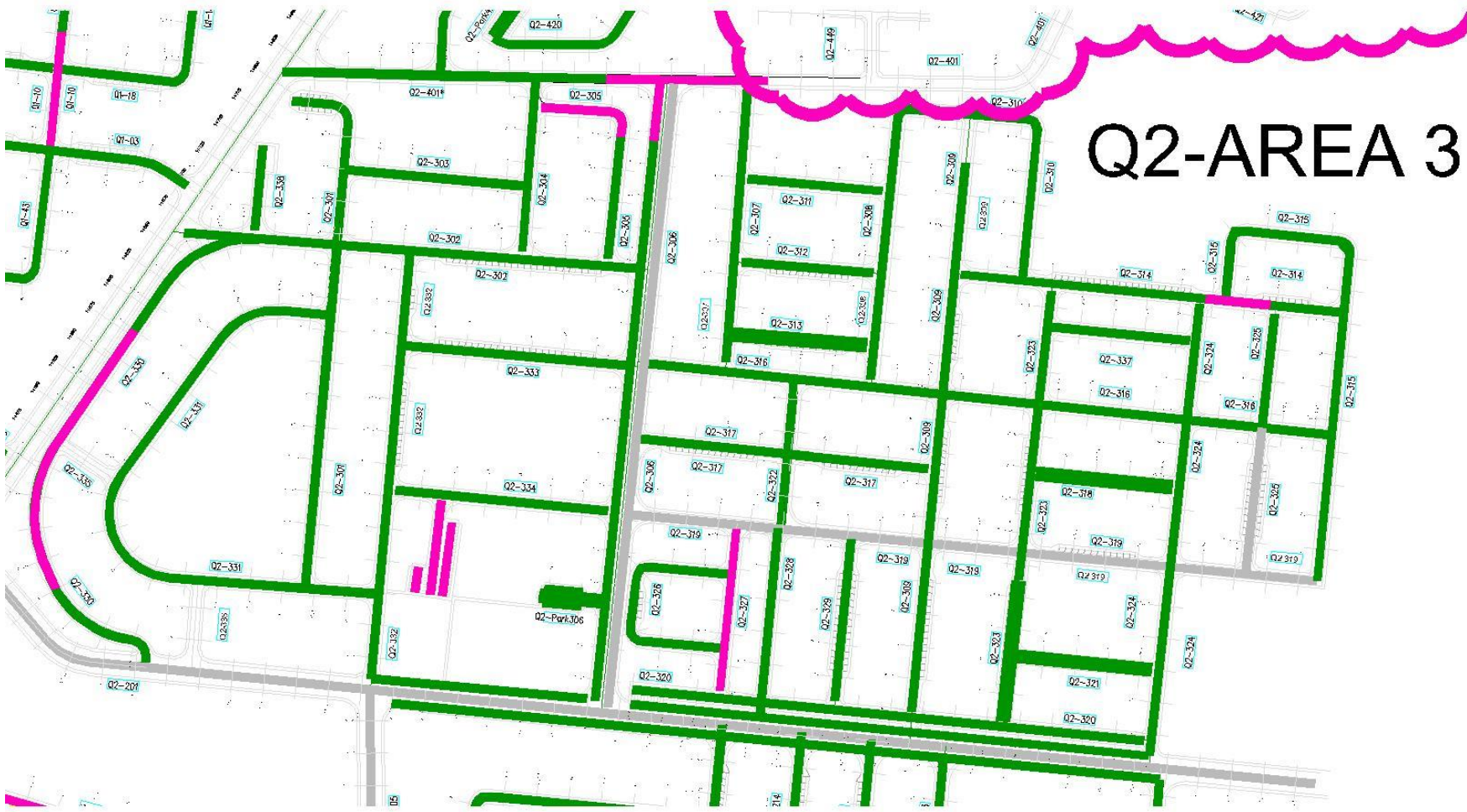


## Q2-AREA 4



Total on BOQ	4 542 lm
Done on Feb. '14	4 067 lm
Obstacle found	457 lm
Waiting HIB/CM-CS	-
Ready to do at Feb. '14	-





Q2-AREA 3

Total on BOQ	11 228 lm
Done on Feb. '14	8 236 lm
Obstacle found	772 lm
Waiting HIB/CM-CS	2 220 lm (asphalt)
Ready to do at Feb. '14	-





Total on BOQ	18 640 lm
Done on Feb. '14	13 286 lm
Obstacle found	1 513 lm
Waiting HIB/CM-CS	7 162 lm (resident area)
Ready to do at Feb. '14	-





# Q2-AREA 1

Total on BOQ	9 967 lm
Done on Feb. '14	7 245 lm
Obstacle found	742 lm
Waiting HIB/CM-CS	400 lm (cancel road)
Ready to do at Feb. '14	1 580 lm



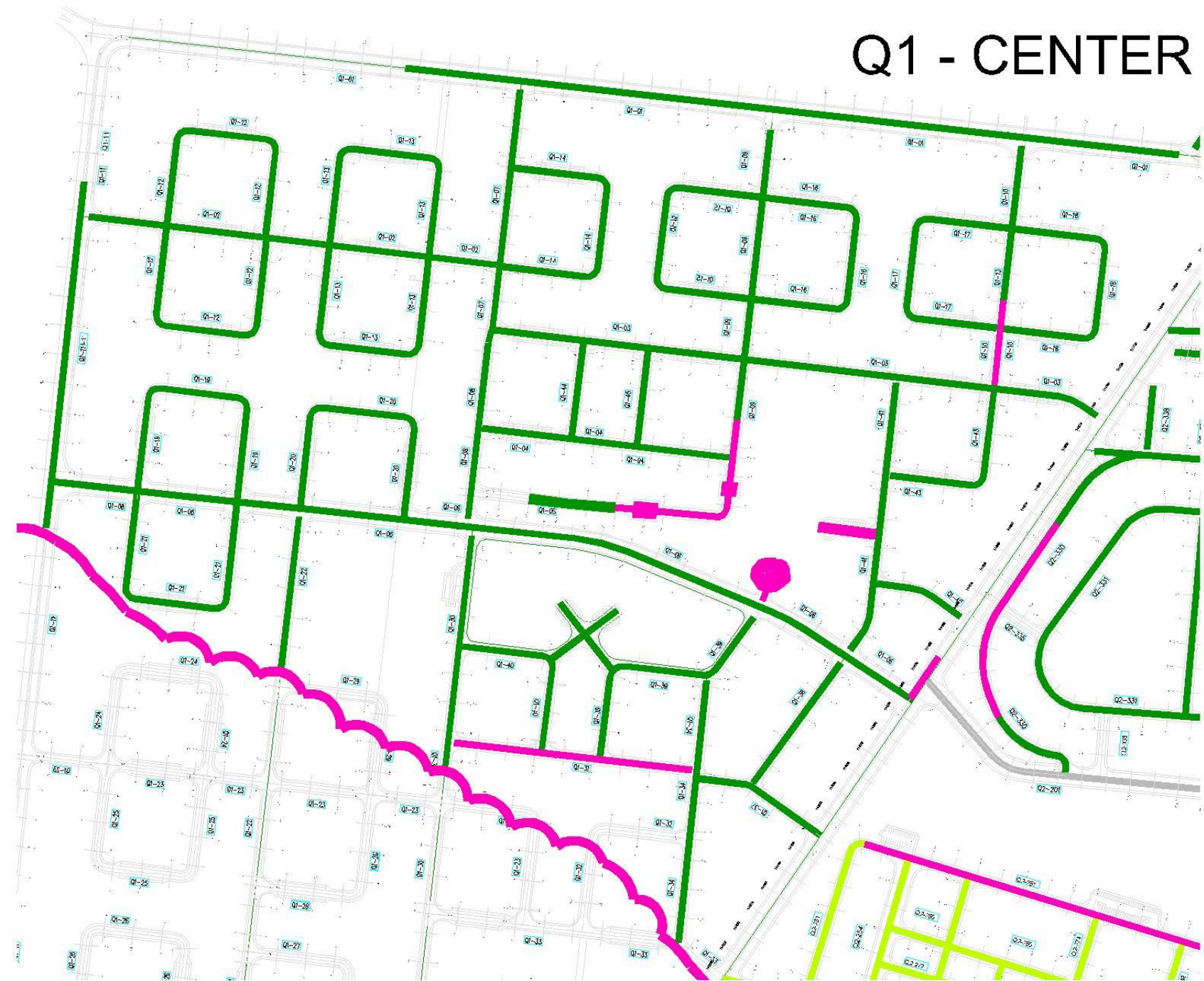
Q1 - NORTH



Total on BOQ	11 903 lm
Done on Feb. '14	11 482 lm
Obstacle found	421 lm
Waiting HIB/CM-CS	-
Ready to do at Feb. '14	-

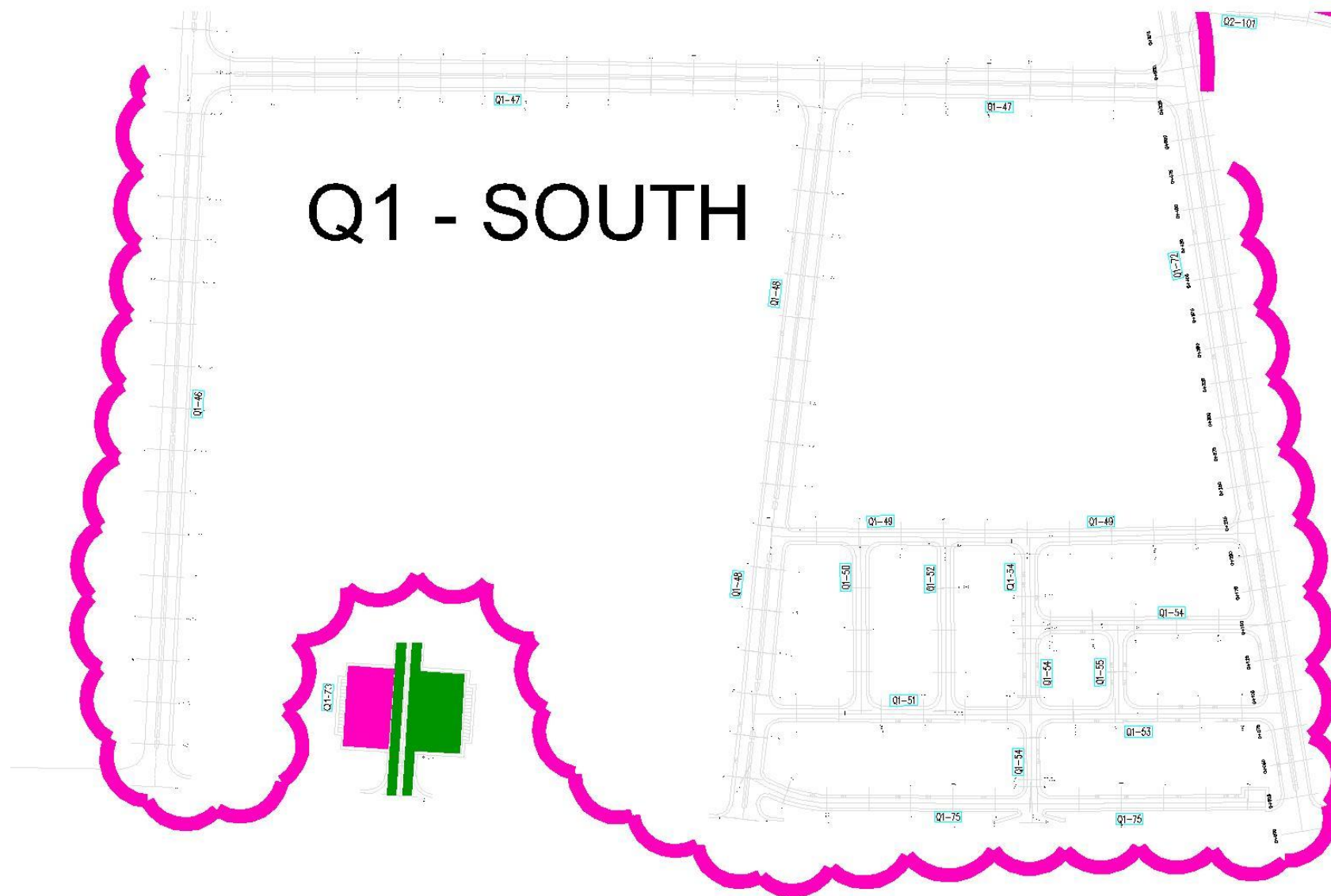


Q1 - CENTER



Total on BOQ	14 095 lm
Done on Feb. '14	13 230 lm
Obstacle found	410 lm
Waiting HIB/CM-CS	-
Ready to do at Feb. '14	455 lm





Total on BOQ	120 lm
Done on Feb. '14	120 lm
Obstacle found	1 900 m2 (park)
Waiting HIB/CM-CS	
Ready to do at Feb. '14	1 900 m2 (park)

# Q4



Total on BOQ	3 908 lm
Done on Feb. '14	3 208 lm
Obstacle found	
Waiting HIB/CM-CS	
Ready to do at Feb. '14	700 lm





# Q2-AREA 6

Total on BOQ	8 323 lm
Done on Feb. '14	8 098 lm
Obstacle found	50 lm
Waiting HIB/CM-CS	-
Ready to do at Feb. '14	175 lm

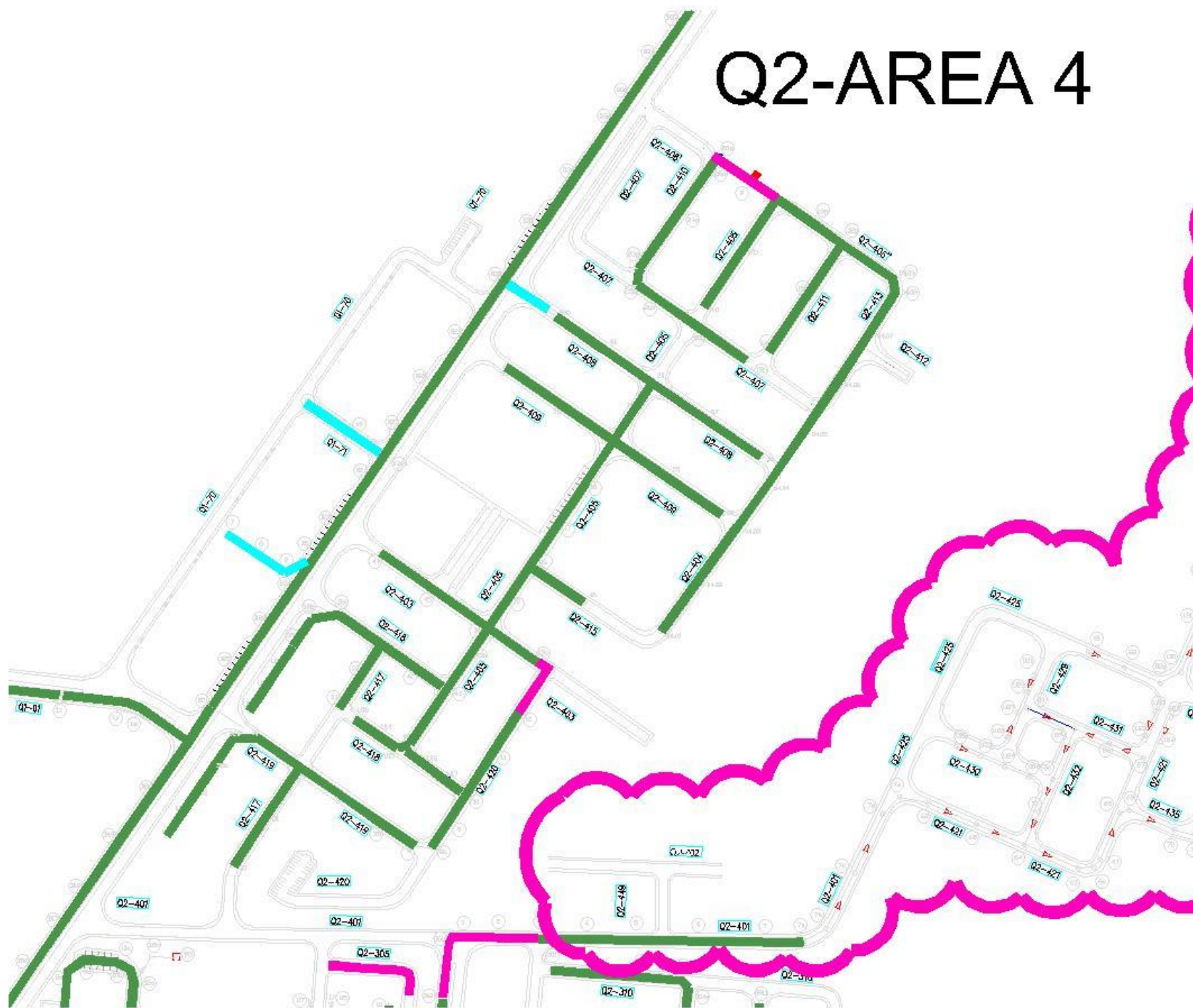


# Q2-AREA 5

Total on BOQ	3 628 lm
Done on Feb. '14	3 418 lm
Obstacle found	110 lm
Waiting HIB/CM-CS	-
Ready to do at Feb. '14	100 lm



## Q2-AREA 4



Total on BOQ	3 274 lm
Done on Feb. '14	3 183 lm
Obstacle found	43 lm
Waiting HIB/CM-CS	-
Ready to do at Feb. '14	48 lm



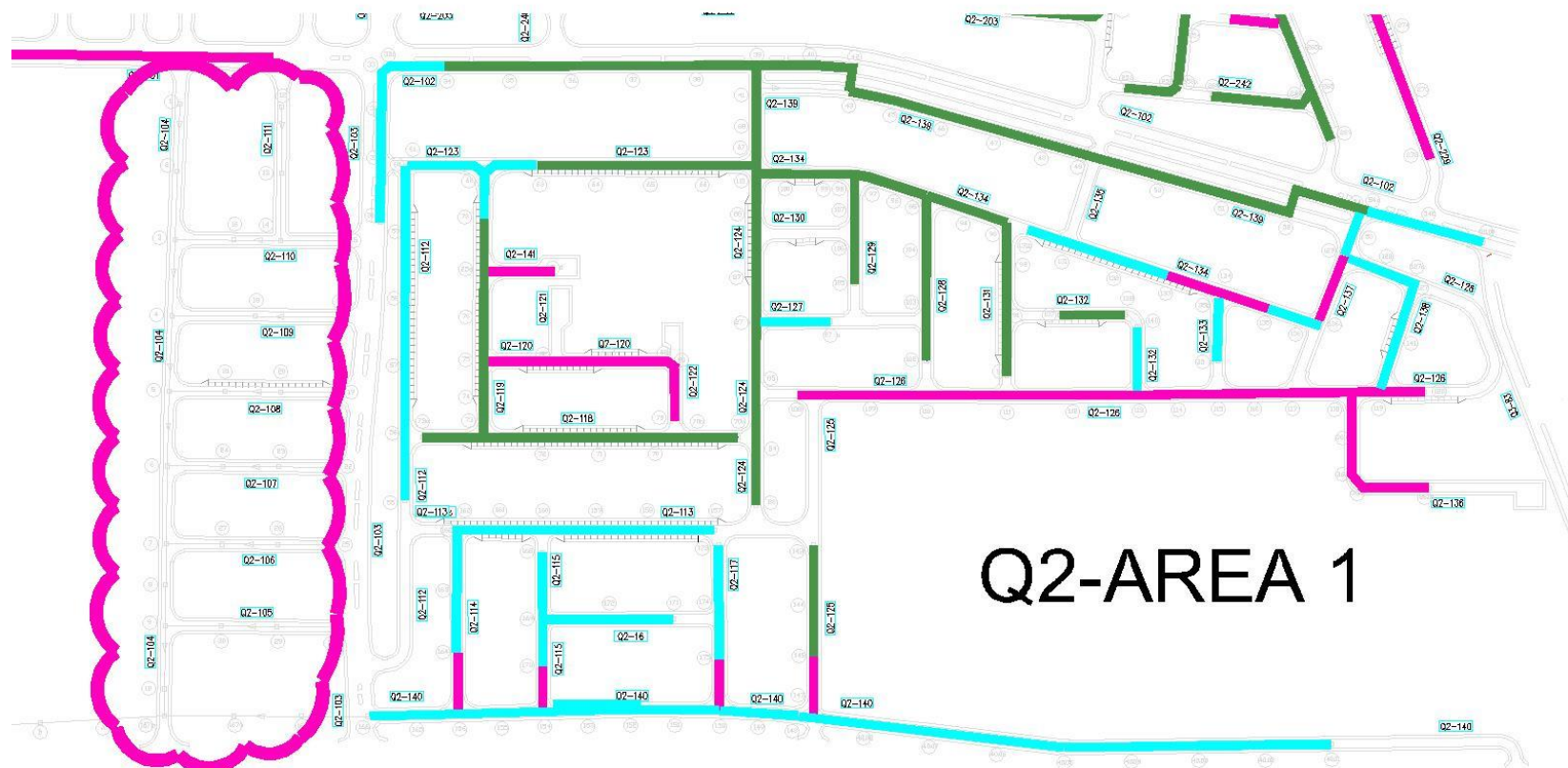
## Q2-AREA 3

Total on BOQ	7 965 lm
Done on Feb. '14	6 779 lm
Obstacle found	746 lm
Waiting HIB/CM-CS	400 lm (asphalt)Ready
Ready to do at Feb. '14	40 lm





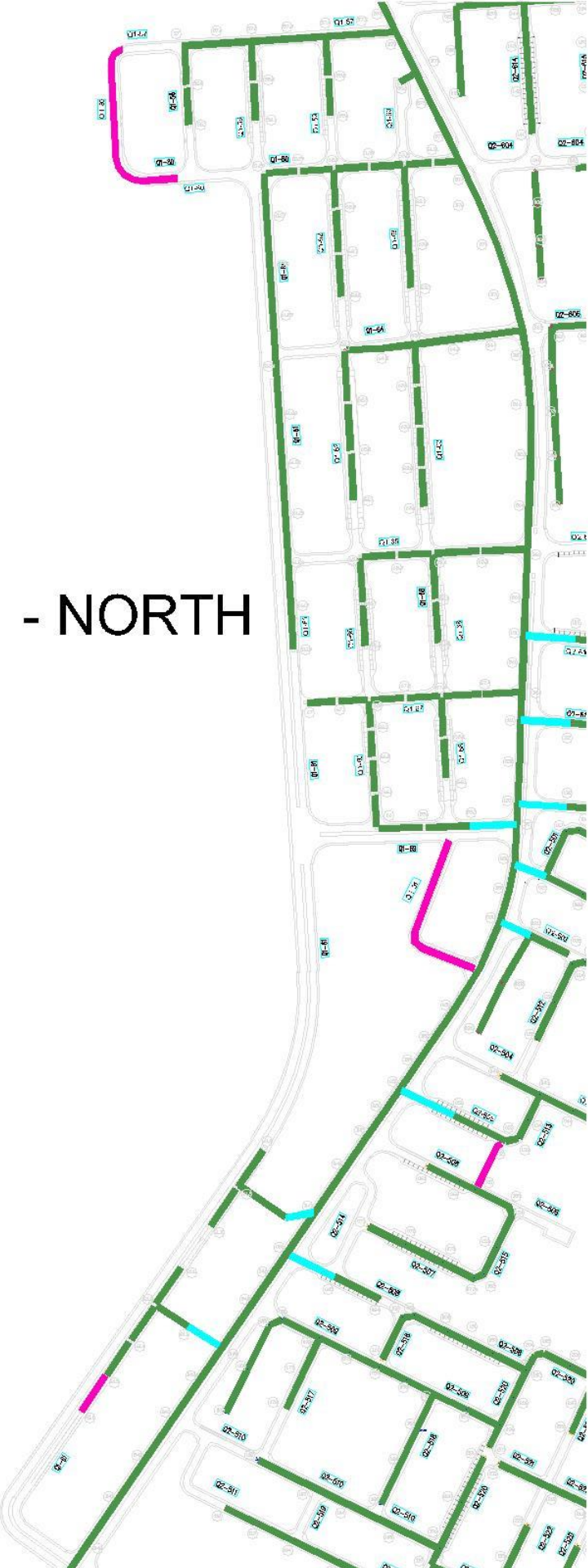
Total on BOQ	12 028 lm
Done on Feb. '14	7 252 lm
Obstacle found	274 lm
Waiting HIB/CM-CS	4 338 (resident area)
Ready to do at Feb. '14	164 lm



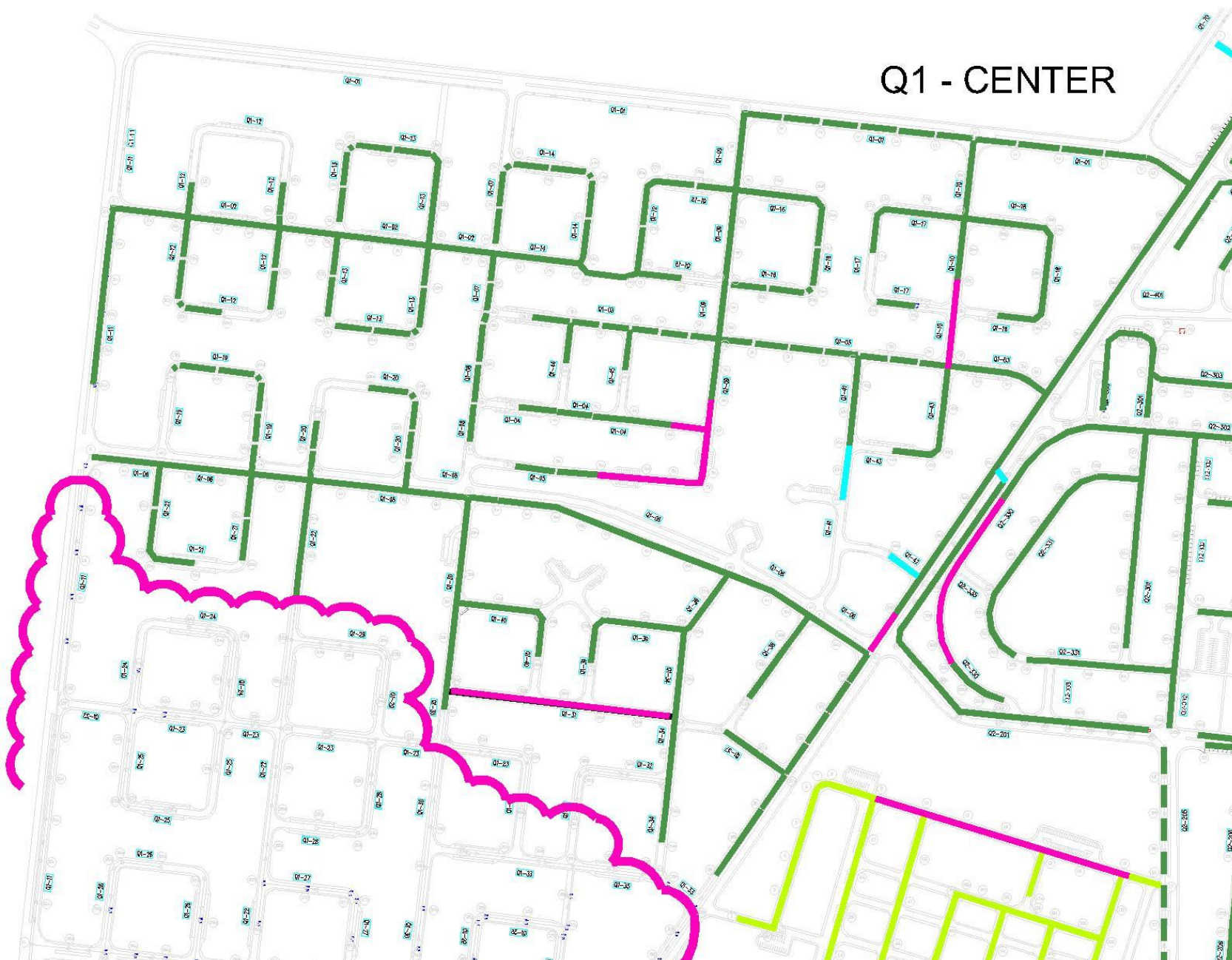
Total on BOQ	5 517 lm
Done on Feb. '14	2 791 lm
Obstacle found	256 lm
Waiting HIB/CM-CS	470 lm (asphalt)Ready
Ready to do at Feb. '14	2 000 lm



Q1 - NORTH



Total on BOQ	3 211 lm
Done on Feb. '14	2 941 lm
Obstacle found	160 lm
Waiting HIB/CM-CS	-
Ready to do at Feb. '14	110 lm



Q1 - CENTER

Total on BOQ	9 343 lm
Done on Feb. '14	8 354 lm
Obstacle found	846 lm
Waiting HIB/CM-CS	-
Ready to do at Feb. '14	143 lm





QUARTER 4



Total on BOQ	5 140 lm
Done on Feb. '14	4 720lm
Obstacle found	-
Waiting HIB/CM-CS	-
Ready to do at Feb. '14	420 lm



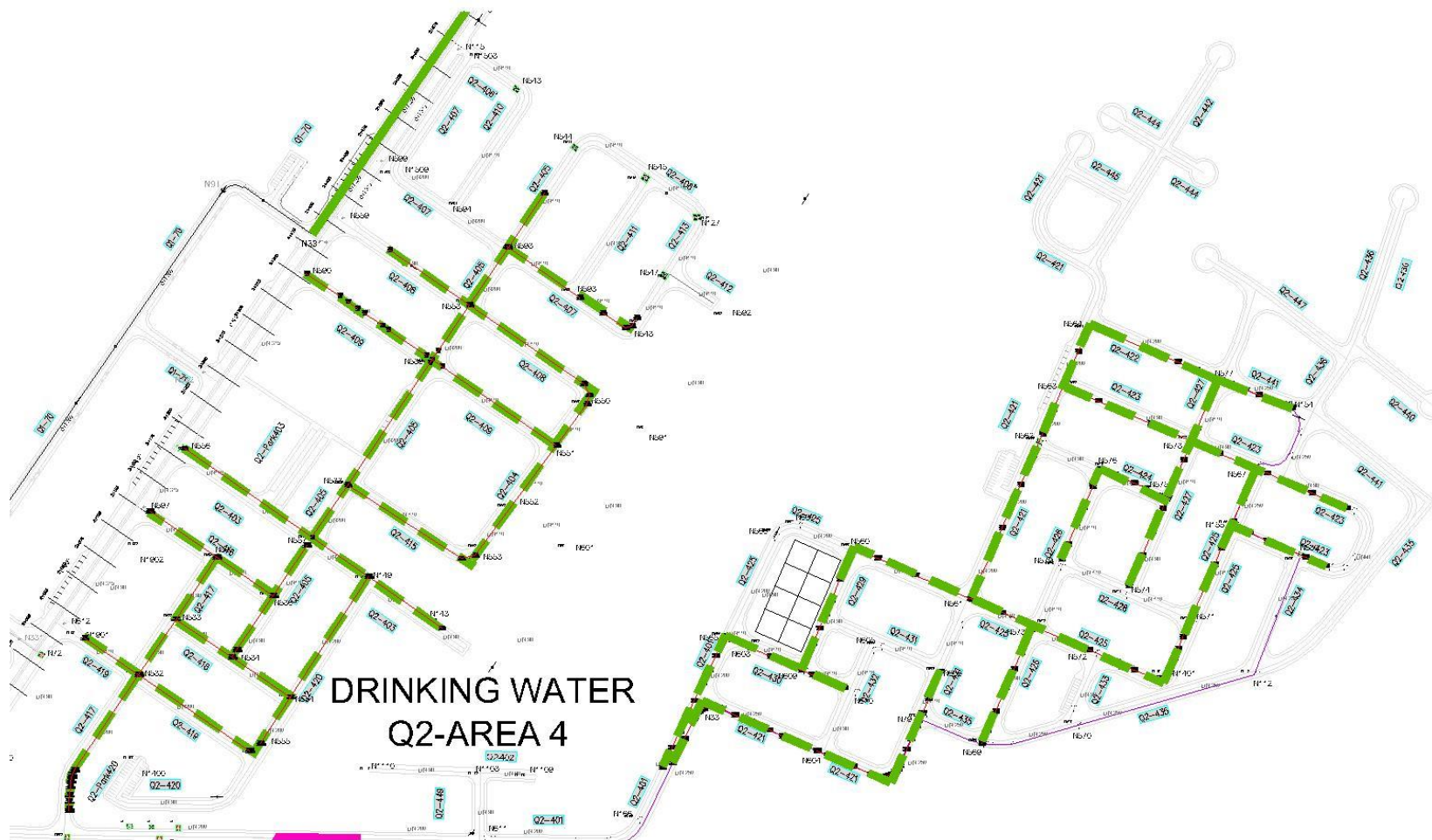




## DRINKING WATER Q2-AREA 5

Total on BOQ	5 475 lm
Done on Feb. '14	1 160 lm + 3 497 lm digg
Obstacle found	100 lm
Waiting HIB/CM-CS	-
Ready to do at Feb. '14	718 lm to digg 3 497 lm to lay



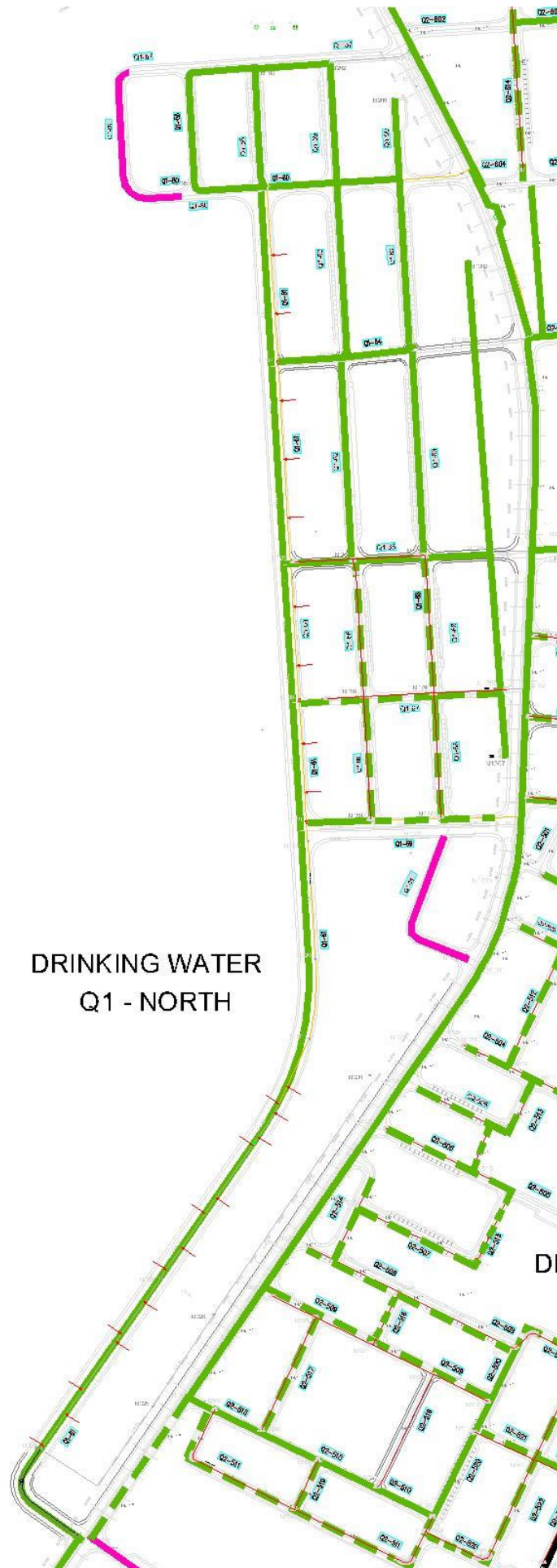


Total on BOQ	9 410 lm
Done on Feb. '14	4 577 lm digg
Obstacle found	1 620 lm
Waiting HIB/CM-CS	-
Ready to do at Feb. '14	3 213 lm to digg 4 577 lm to lay



Total on BOQ	12 298 lm
Done on Feb. '14	6 656 lm digg
Obstacle found	842 lm
Waiting HIB/CM-CS	1 015 lm (asphalt)Ready
Ready to do at Feb. '14	3 785 lm





Total on BOQ	7 859 lm
Done on Feb. '14	3 917 lm + 849 lm digg
Obstacle found	356 lm
Waiting HIB/CM-CS	-
Ready to do at Feb. '14	2 737 lm to digg 849 lm to lay

DRINKING WATER  
Q1 - CENTER

Total on  
BOQ

14 947 lm

Done on  
Feb. '14

895 lm +  
5 471lm digg

Obstacle  
found

655 lm

Waiting  
HIB/CM-CS

-

Ready to do  
at Feb. '14

7 926 lm to digg  
5 471 lm to lay



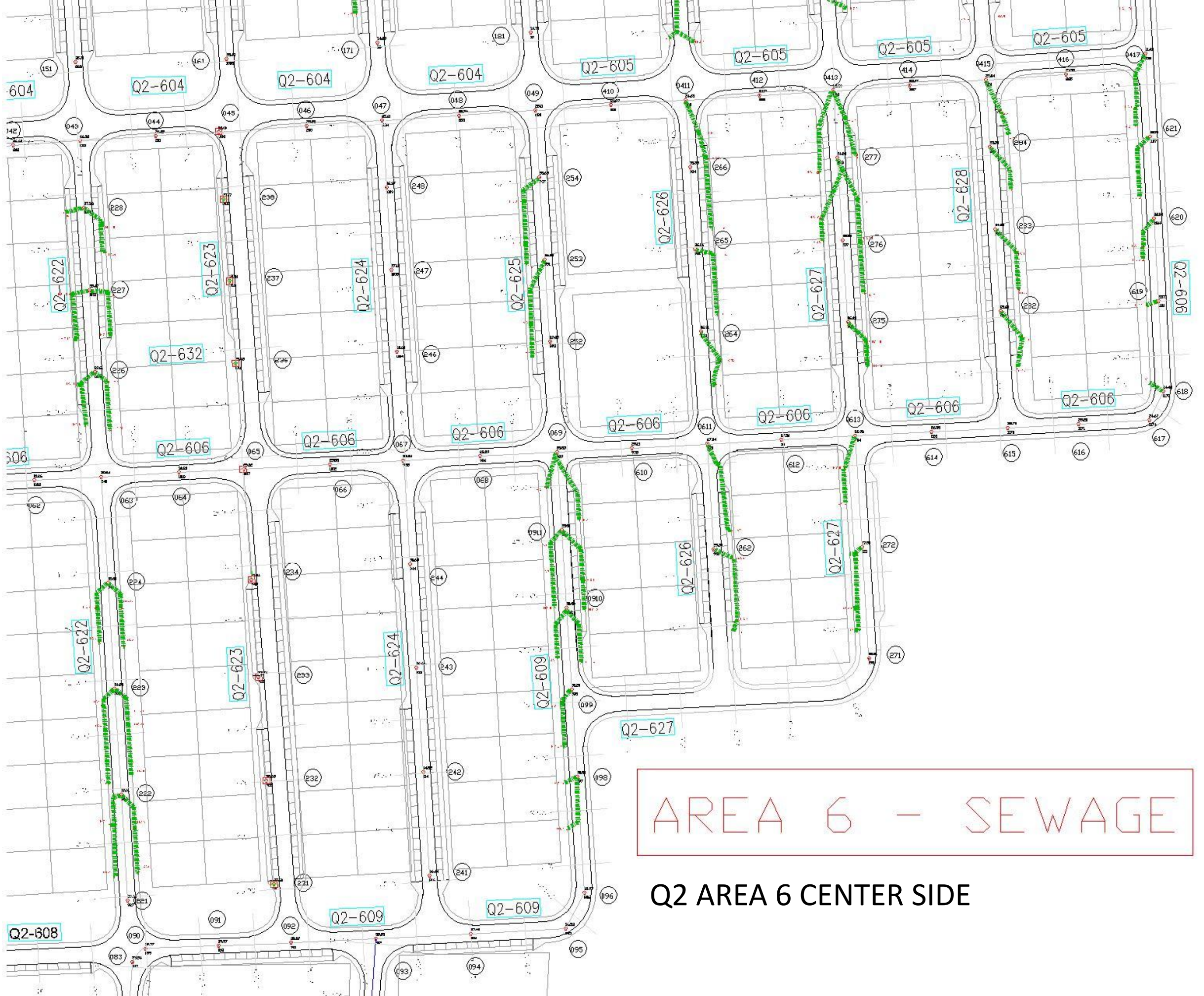
DRINKING WATER ( Q4 )



Total on BOQ	5 137 lm
Done on Feb. '14	3 070 lm + 777 digg
Obstacle found	100 lm
Waiting HIB/CM-CS	-
Ready to do at Feb. '14	1 190 lm to digg 1 967 lm to lay





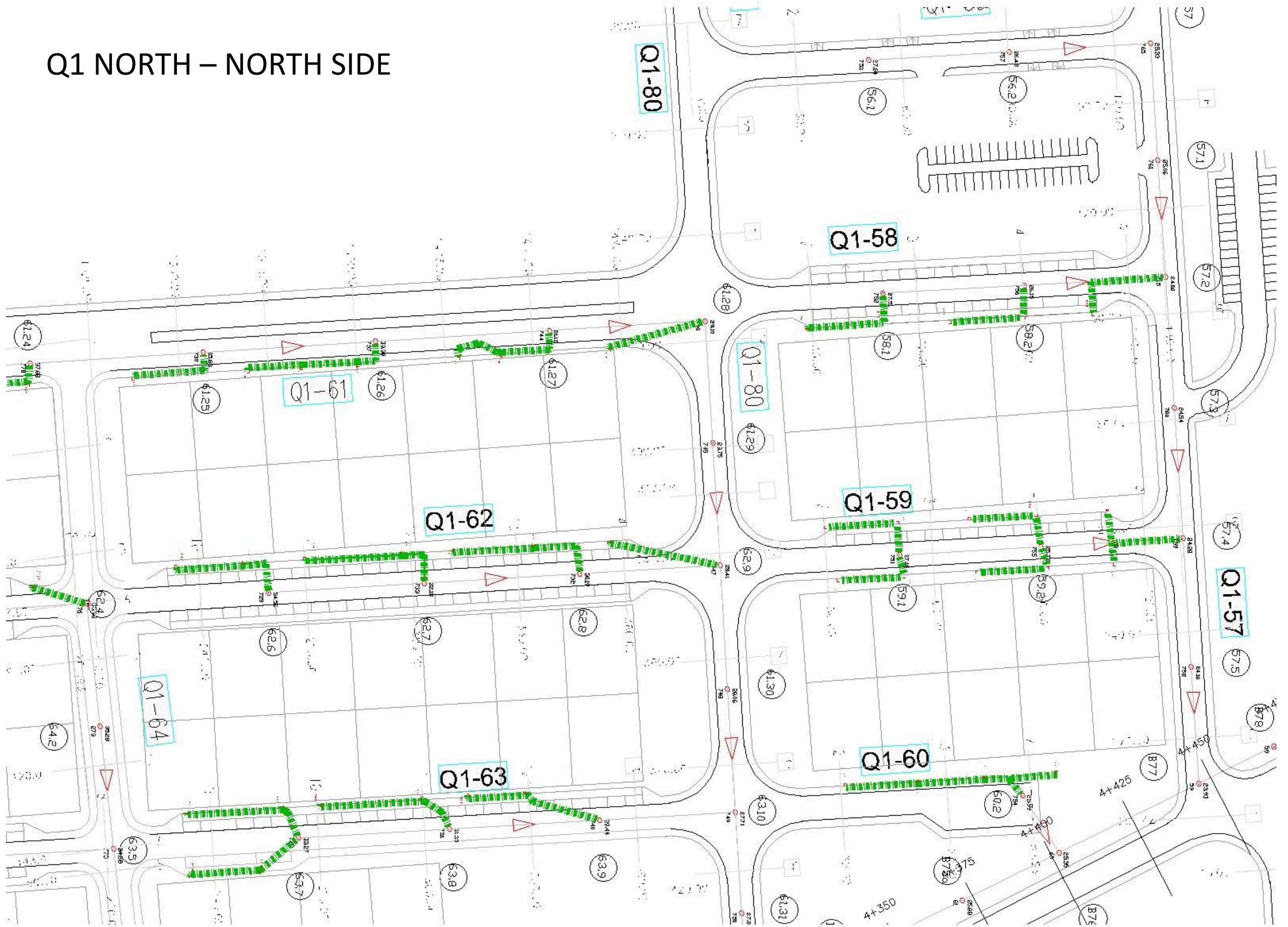


AREA 6 - SEWAGE

Q2 AREA 6 CENTER SIDE

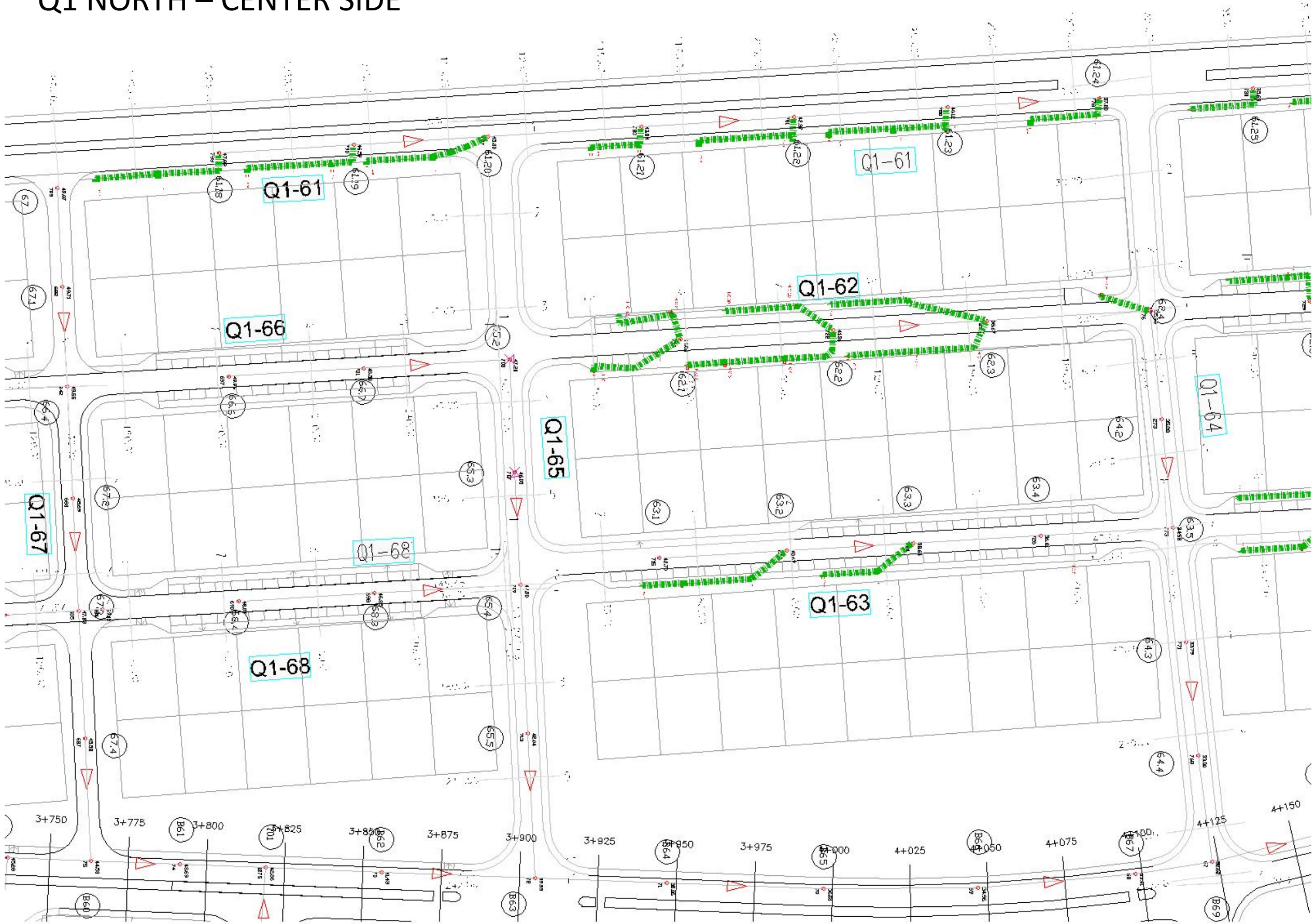


# Q1 NORTH – NORTH SIDE





Q1 NORTH – CENTER SIDE



## Q 4 ( ALNATHURA )





## QUARTER 2 (Al Hadaek) AREA 6



Yellow cloud on stop work





# QUARTER 1 (Al Kuds) North Q2 (Al Hadaek) Area 4 - 5



Yellow cloud on stop work



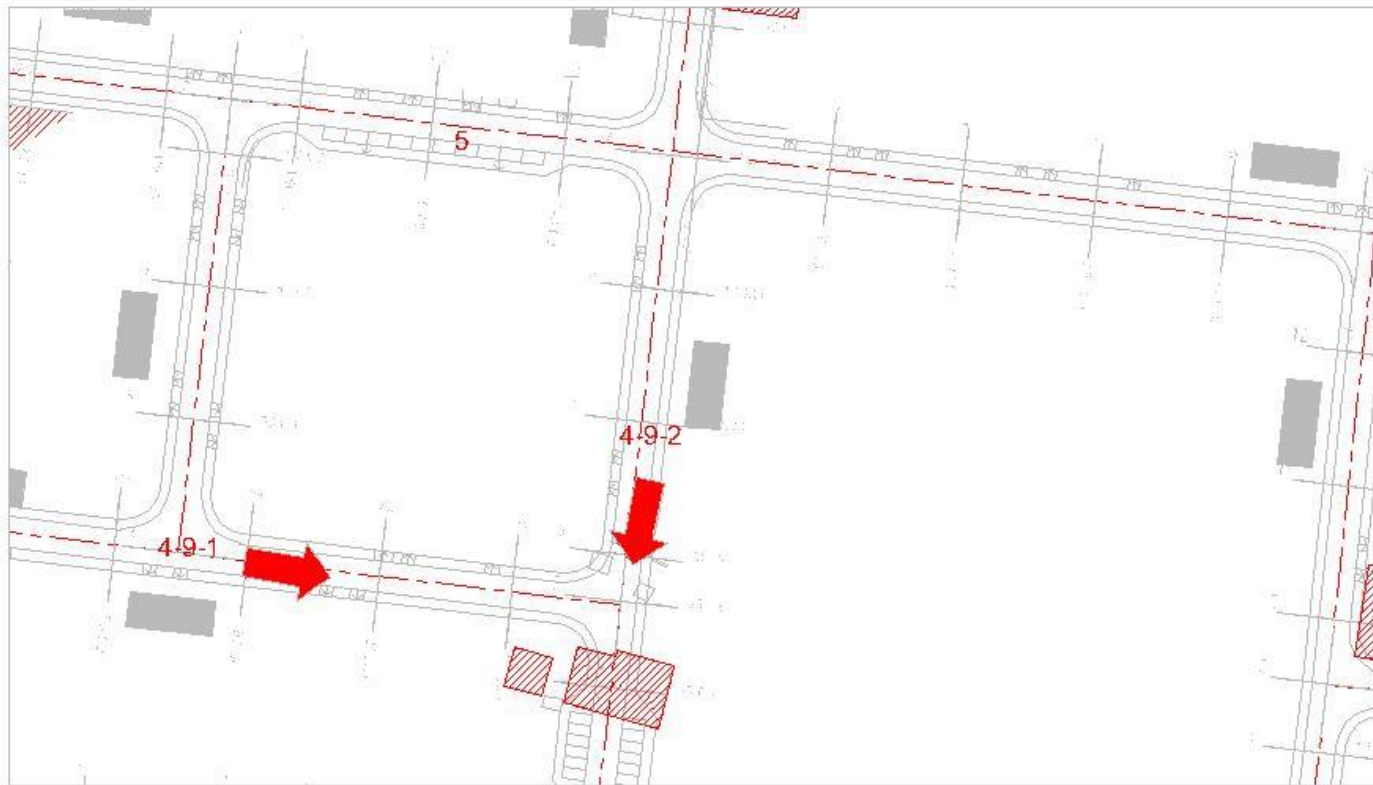


# QUARTER 1 (Al Kuds) Center



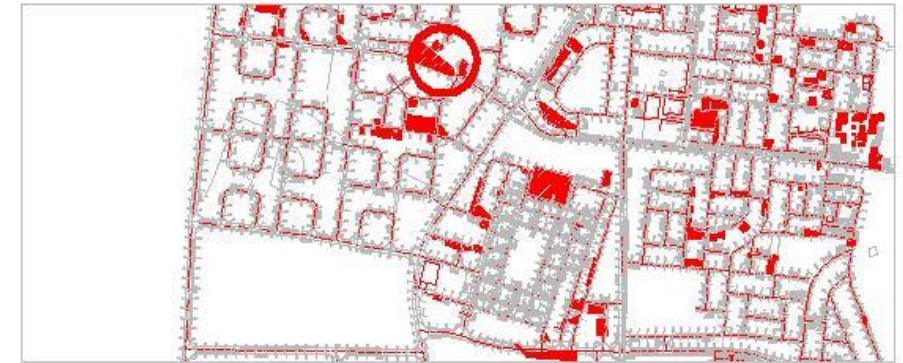


## Obstacle plan



ALL SEPTIC TANKS ARE OBSTACLE FOR SIDEWALK ALSO SEPTIC TANKS (A-B-C) ARE OBSTACLE FOR LOW VOLTAGE, STREET LIGHTING DISTRIBUTION AND PARKING  
AND SEPTIC TANK (D) IS OBSTACLE FOR WATER, DRINKABLE AND ROAD.

## General plan



LEGEND			
	HOUSES / WALLS / SIDE WALKS		SEPTIC TANK
	ELECTRICAL POLE		WATER TANK
	ELECTRICAL CABLE		STREET LIGHTING LINE
	WATER DRINKABLE		STREET LIGHTING POLE
	MV CABLE		TELECOMMUNICATION PIPE
	LV CABLE		STORM
	SEWAGE		

Obstacle Interference				
Type of Work	Excavations	Pipe/Cables	Manhole	Pole
Storm				
Sewage				
Water Drinkable	X	X	X	
Road/PARK	X			
Sidewalks	X			
Electrical Distribution	X	X		
Street Lighting	X	X	X	X
Telecommunications	X	X	X	



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DRAW CODE: OBSTACLE REPORT\_Q1 CENTER

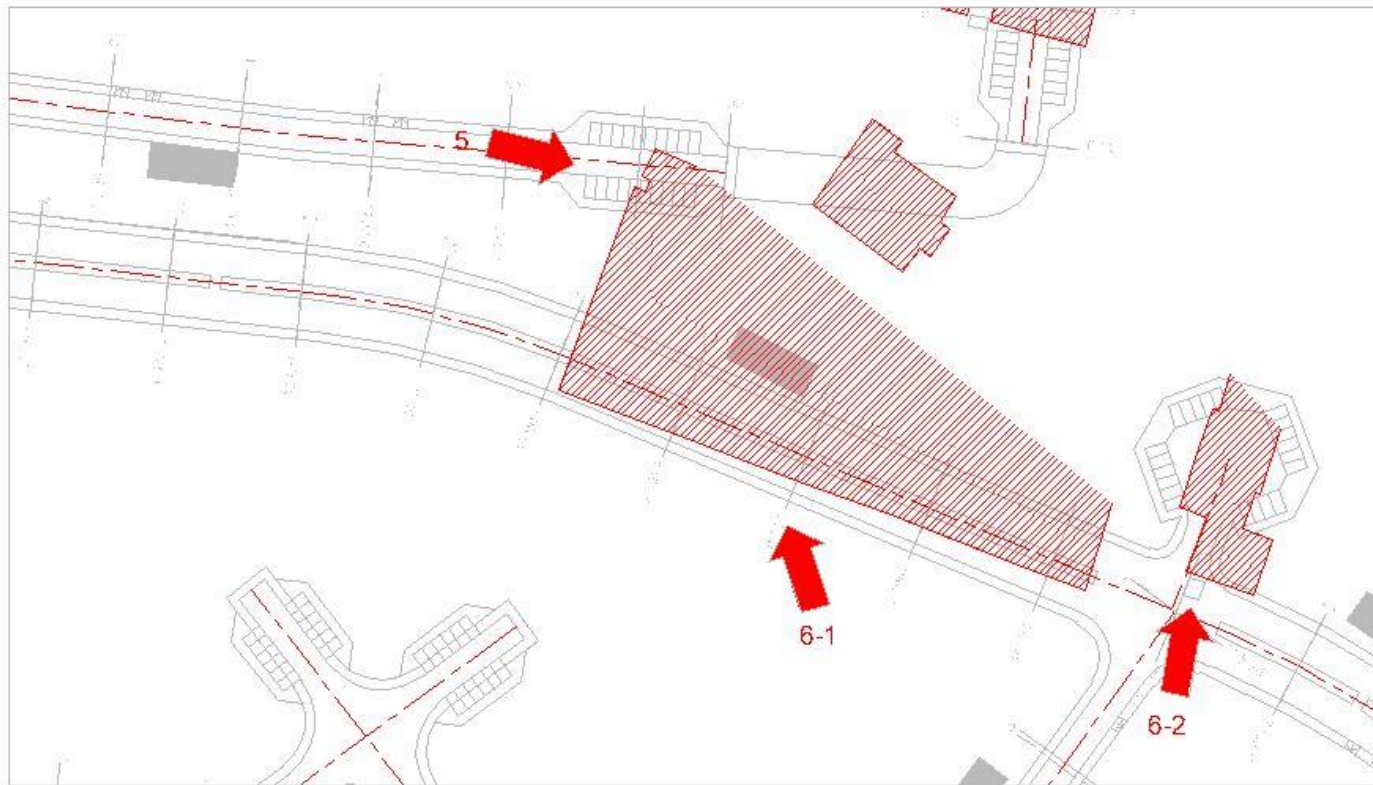
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SCALE: 1:1000

TITLE: Obstacles on Roads Q1-Ac-04-09

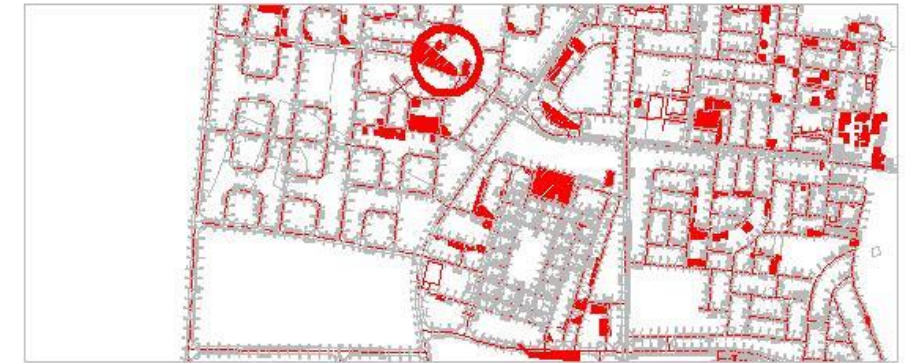


## Obstacle plan



ALL SEPTIC TANKS ARE OBSTACLE FOR SIDEWALK ALSO SEPTIC TANKS (A-B-C) ARE OBSTACLE FOR LOW VOLTAGE, STREET LIGHTING DISTRIBUTION AND PARKING  
AND SEPTIC TANK (D) IS OBSTACLE FOR WATER, DRINKABLE AND ROAD.

## General plan



LEGEND			
	HOUSES / WALLS / SIDE WALKS		SEPTIC TANK
	ELECTRICAL POLE		WATER TANK
	ELECTRICAL CABLE		STREET LIGHTING LINE
	WATER DRINKABLE		STREET LIGHTING POLE
	MV CABLE		TELECOMMUNICATION PIPE
	LV CABLE		STORM
	SEWAGE		

Obstacle Interference				
Type of Work	Excavations	Pipe/Cables	Manhole	pole
Storm				
Sewage				
Water Drinkable	X	X	X	
Road/PARK	X			
Sidewalks	X			
Electrical Distribution	X	X		
Street Lighting	X	X	X	X
Telecommunications	X	X	X	



مشروع مراجعة و استكمال التصميم و تنفيذ البنية التحتية  
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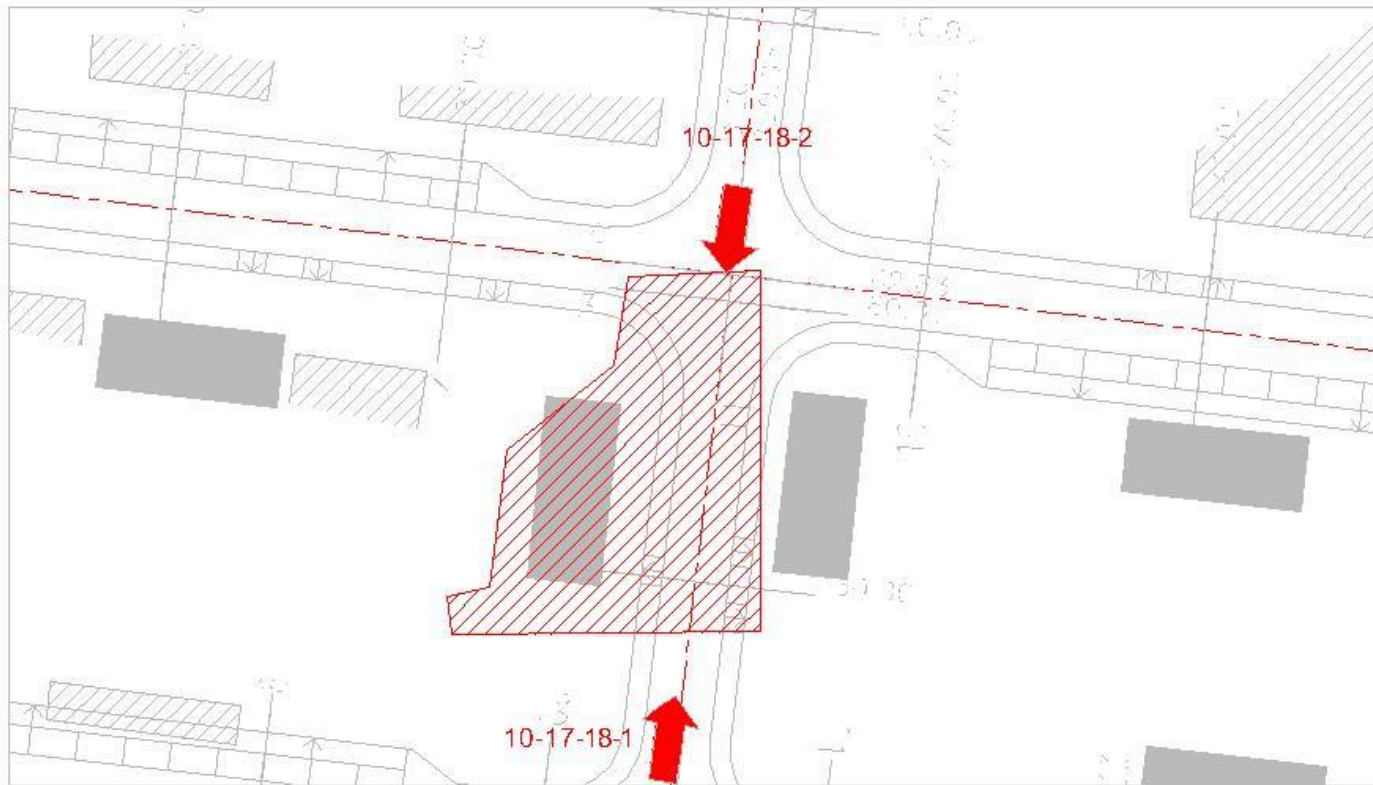
DATE: 07/08/2013

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TITLE: Obstacles on Roads Q1-Ac-06-05



## Obstacle plan



ALL SEPTIC TANKS ARE OBSTACLE FOR SIDEWALK ALSO SEPTIC TANKS (A-B-C) ARE OBSTACLE FOR LOW VOLTAGE, STREET LIGHTING DISTRIBUTION AND PARKING  
AND SEPTIC TANK (D) IS OBSTACLE FOR WATER, DRINKABLE AND ROAD.

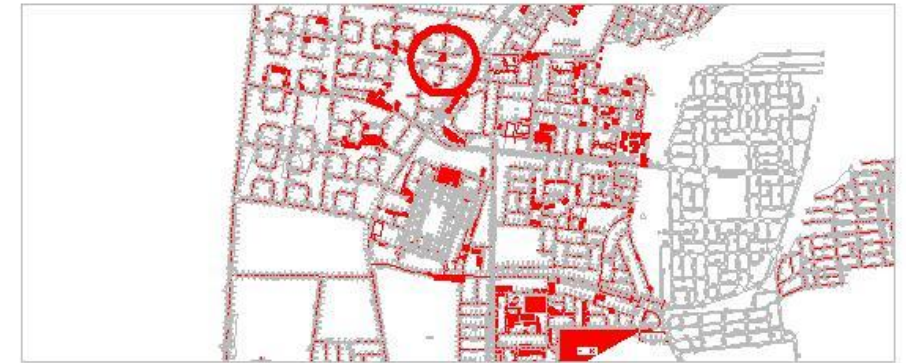
### LEGEND

	HOUSES / WALLS / SIDE WALKS		SEPTIC TANK
	ELECTRICAL POLE		WATER TANK
	ELECTRICAL CABLE		STREET LIGHTING LINE
	WATER DRINKABLE		STREET LIGHTING POLE
	MV CABLE		TELECOMMUNICATION PIPE
	LV CABLE		STORM
	SEWAGE		

### Obstacle Interference

Type of Work	Excavations	Pipe/Cables	Manhole	pole
Storm				
Sewage				
Water Drinkable	X	X	X	
Road/PARK	X			
Sidewalks	X			
Electrical Distribution	X	X		
Street Lighting	X	X	X	X
Telecommunications	X	X	X	

## General plan



مشروع مراجعة و استكمال التصاميم و تنفيذ البنية التحتية  
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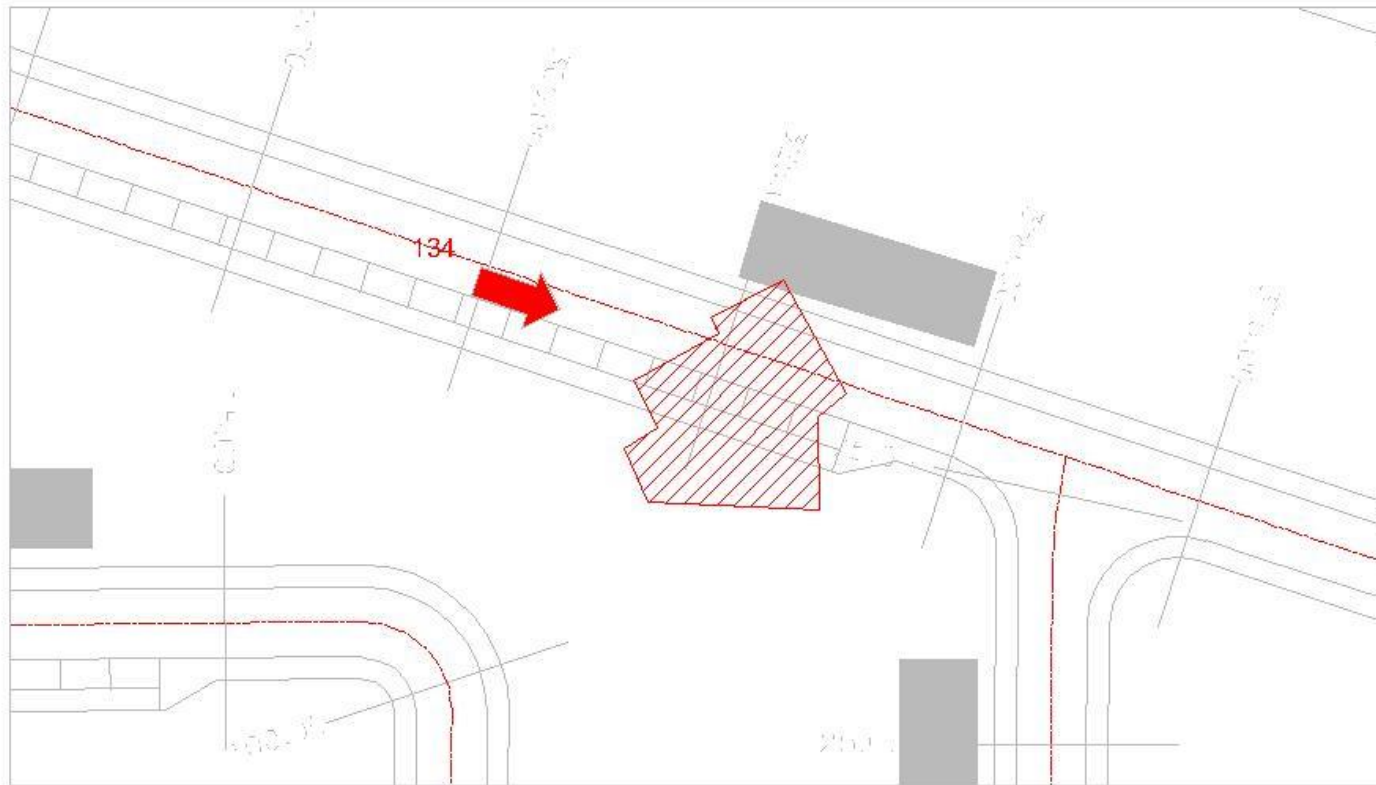
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TITLE: Obstacles on Roads Q1-C-10-17-18

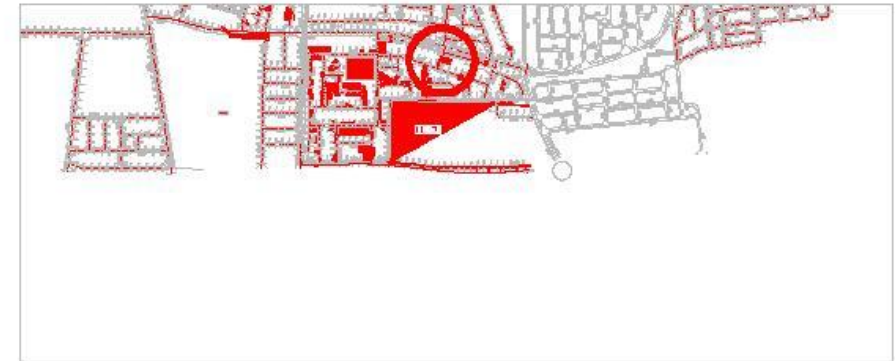


## Obstacle plan



ALL SEPTIC TANKS ARE OBSTACLE FOR SIDEWALK ALSO SEPTIC TANKS (A-B-C) ARE OBSTACLE FOR LOW VOLTAGE, STREET LIGHTING DISTRIBUTION AND PARKING  
AND SEPTIC TANK (D) IS OBSTACLE FOR WATER, DRINKABLE AND ROAD.

## General plan



LEGEND			
	HOUSES / WALLS / SIDEWALKS		SEPTIC TANK
	ELECTRICAL POLE		WATER TANK
	ELECTRICAL CABLE		STREET LIGHTING LINE
	WATER DRINKABLE		STREET LIGHTING POLE
	MV CABLE		TELECOMMUNICATION PIPE
	LV CABLE		STORM
	SEWAGE		

Obstacle Interference				
Type of Work	Excavations	Pipe/Cables	Manhole	Pole
Storm				
Sewage				
Water Drinkable	X	X	X	
Road/PARK	X			
Sidewalks	X			
Electrical Distribution	X	X		
Street Lighting	X	X	X	X
Telecommunications	X	X	X	



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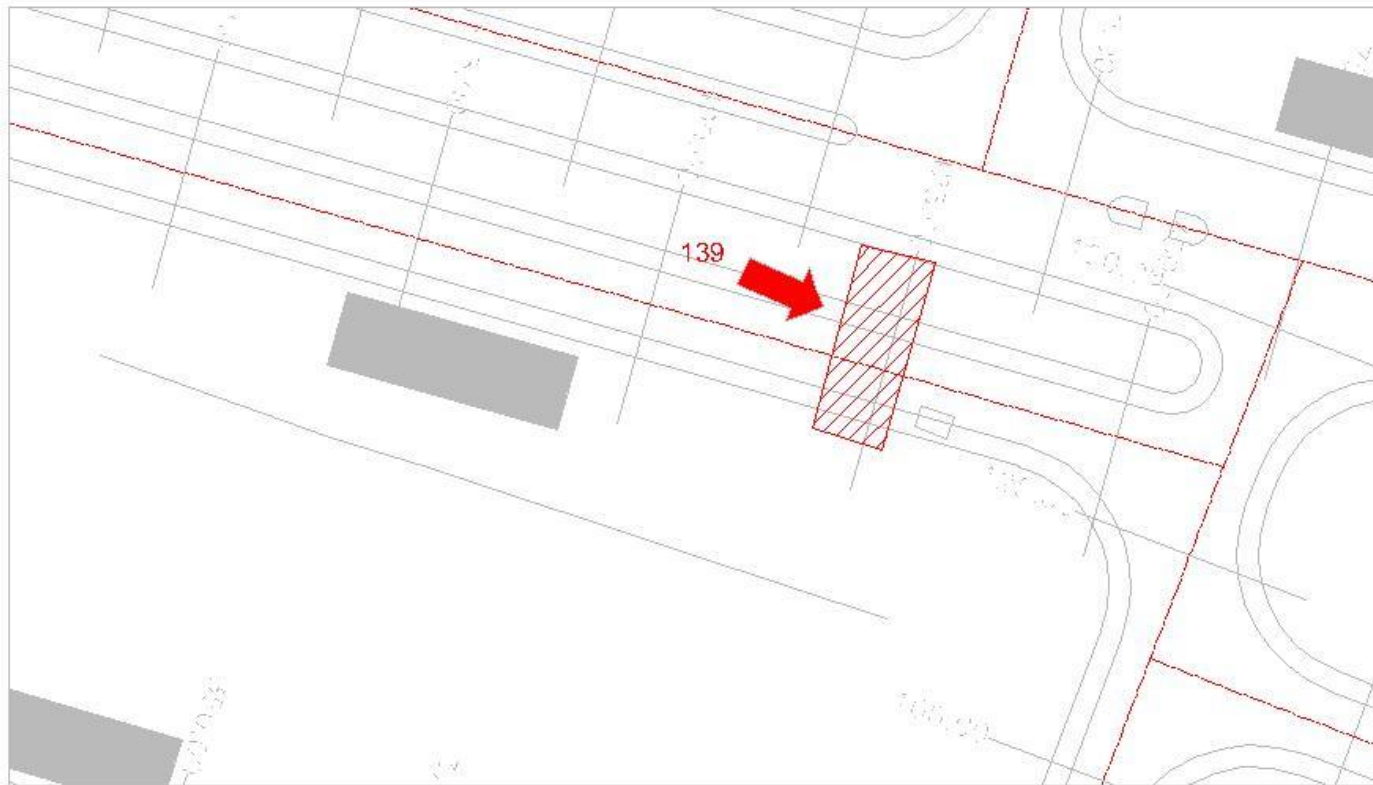
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DATE: 07/09/2013

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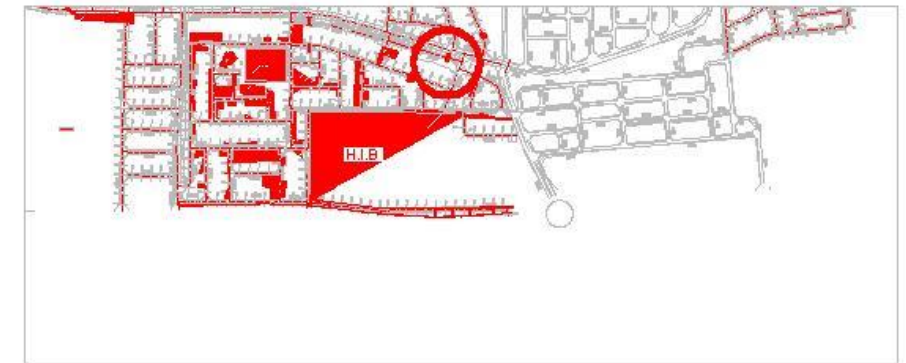
TITLE: Obstacles on Roads Q2-A1-134

## Obstacle plan



ALL SEPTIC TANKS ARE OBSTACLE FOR SIDEWALK ALSO SEPTIC TANKS (A-B-C) ARE OBSTACLE FOR LOW VOLTAGE, STREET LIGHTING DISTRIBUTION AND PARKING  
AND SEPTIC TANK (D) IS OBSTACLE FOR WATER, DRINKABLE AND ROAD.

## General plan



### LEGEND

	HOUSES / WALLS / SIDE WALKS		SEPTIC TANK
	ELECTRICAL POLE		WATER TANK
	ELECTRICAL CABLE		STREET LIGHTING LINE
	WATER DRINKABLE		STREET LIGHTING POLE
	MV CABLE		TELECOMMUNICATION PIPE
	LV CABLE		STORM
	SEWAGE		

### Obstacle Interference

Type of Work	Excavations	Pipe/Cables	Manhole	pole
Storm				
Sewage				
Water Drinkable	X	X	X	
Road/PARK	X			
Sidewalks	X			
Electrical Distribution	X	X		
Street Lighting	X	X	X	X
Telecommunications	X	X	X	



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DRAW CODE: OBSTACLE REPORT\_Q2\_A1

DATE: 07/08/2013

SCALE: 1:1000

TITLE: Obstacles on Roads Q2-A1-139

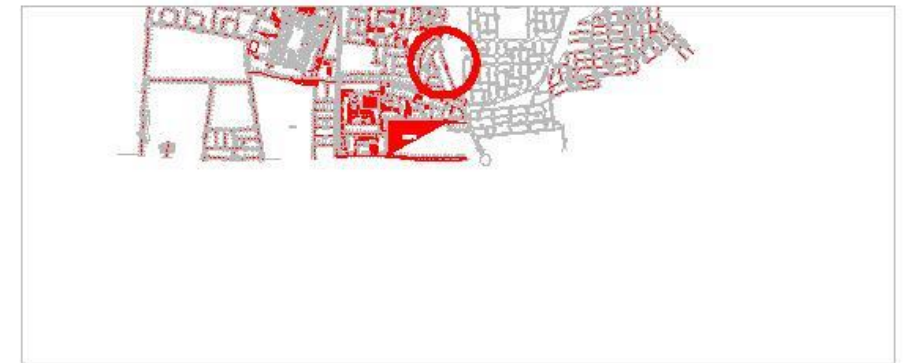


## Obstacle plan



ALL SEPTIC TANKS ARE OBSTACLE FOR SIDEWALK ALSO SEPTIC TANKS (A-B-C) ARE OBSTACLE FOR LOW VOLTAGE, STREET LIGHTING DISTRIBUTION AND PARKING  
AND SEPTIC TANK (D) IS OBSTACLE FOR WATER, DRINKABLE AND ROAD.

## General plan



### LEGEND

	HOUSES / WALLS / SIDE WALKS		SEPTIC TANK
	ELECTRICAL POLE		WATER TANK
	ELECTRICAL CABLE		STREET LIGHTING LINE
	WATER DRINKABLE		STREET LIGHTING POLE
	MV CABLE		TELECOMMUNICATION PIPE
	LV CABLE		STORM
	SEWAGE		

### Obstacle Interference

Type of Work	Excavations	Pipe/Cables	Manhole	pole
Storm				
Sewage				
Water Drinkable	X	X	X	
Road/PARK	X			
Sidewalks	X			
Electrical Distribution	X	X		
Street Lighting	X	X	X	X
Telecommunications	X	X	X	



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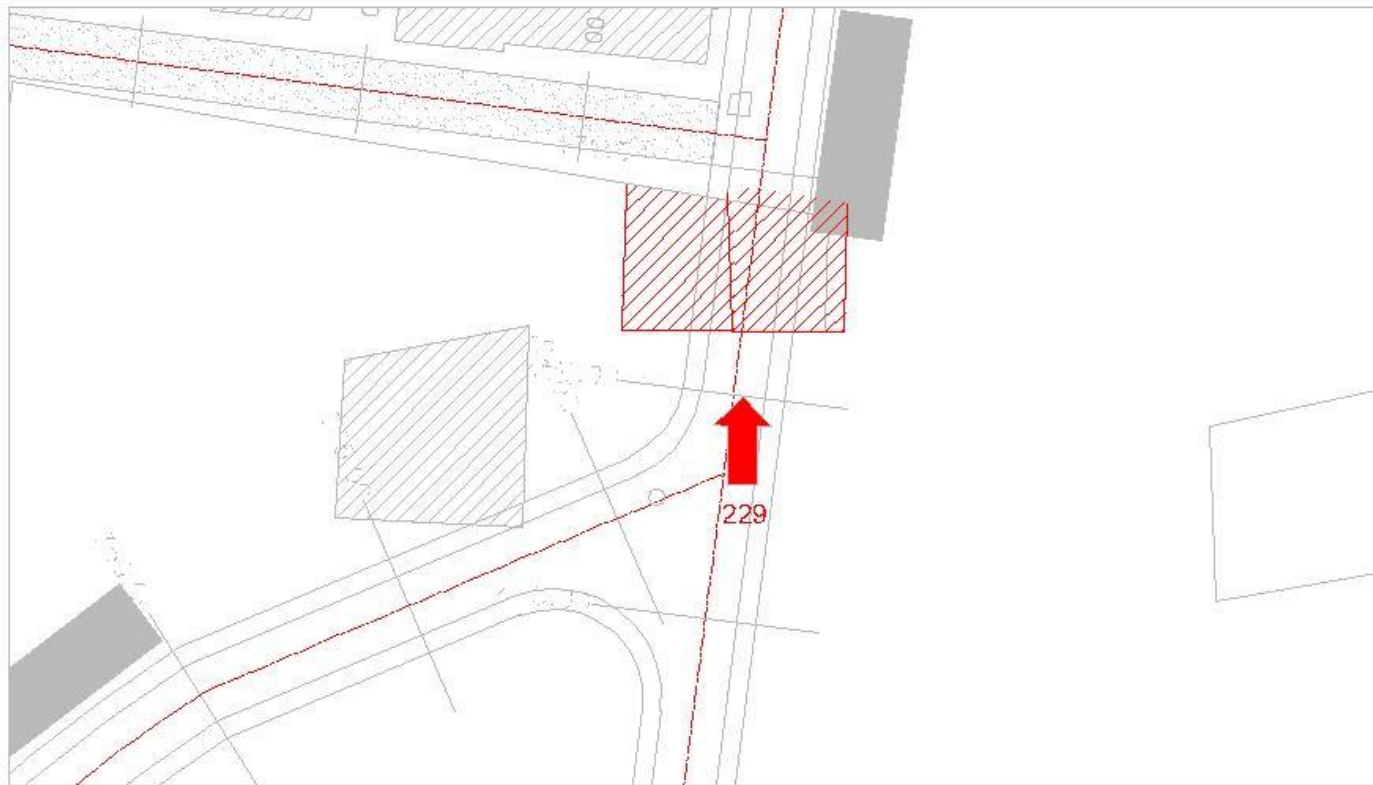
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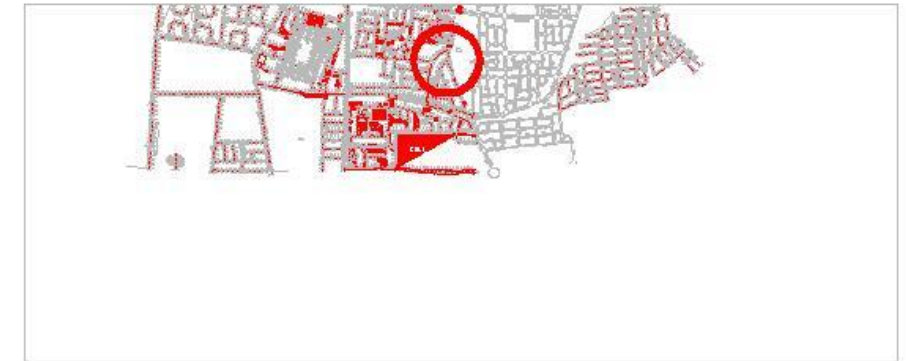
TITLE: Obstacles on Roads Q2-A2-229

## Obstacle plan



ALL SEPTIC TANKS ARE OBSTACLE FOR SIDEWALK ALSO SEPTIC TANKS (A-B-C) ARE OBSTACLE FOR LOW VOLTAGE, STREET LIGHTING DISTRIBUTION AND PARKING  
AND SEPTIC TANK (D) IS OBSTACLE FOR WATER, DRINKABLE AND ROAD.

## General plan



### LEGEND

	HOUSES / WALLS / SIDE WALKS		SEPTIC TANK
	ELECTRICAL POLE		WATER TANK
	ELECTRICAL CABLE		STREET LIGHTING LINE
	WATER DRINKABLE		STREET LIGHTING POLE
	MV CABLE		TELECOMMUNICATION PIPE
	LV CABLE		STORM
	SEWAGE		

### Obstacle Interference

Type of Work	Excavations	Pipe/Cables	Manhole	pole
Storm				
Sewage				
Water Drinkable	X	X	X	
Road/PARK	X			
Sidewalks	X			
Electrical Distribution	X	X		
Street Lighting	X	X	X	X
Telecommunications	X	X	X	



مشروع مراجعة و استكمال التصميم و تنفيذ البنية التحتية  
للأحياء ( الزهور , الحدائق , القدس , المطار القديم , الناطورة )

INFRASTRUCTURE DESIGN IN THE TOBRUK CITY

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DRAW CODE: OBSTACLE REPORT\_Q2\_A2

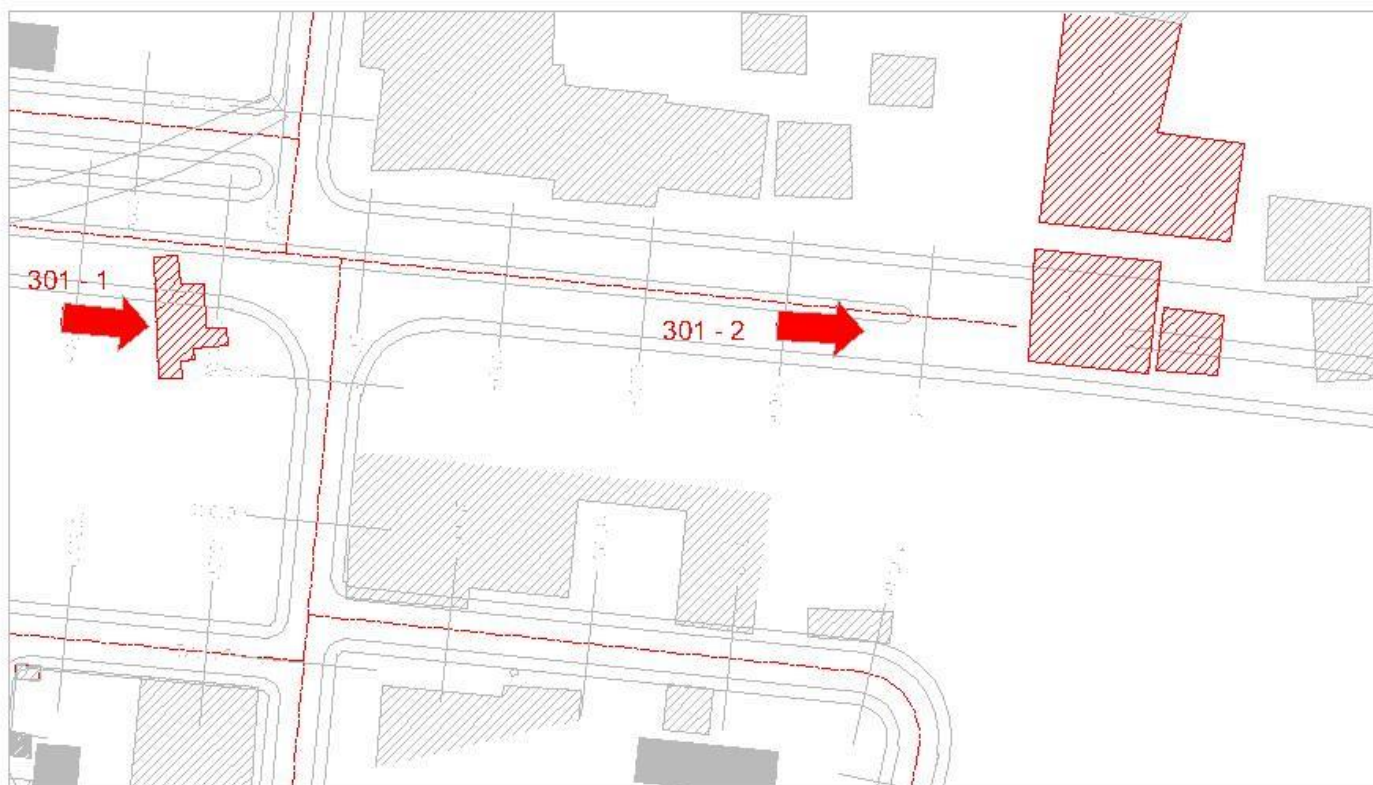
DATE: 07/08/2013

SCALE: 1:1000

TITLE: Obstacles on Roads Q2-A2-229



## Obstacle plan



ALL SEPTIC TANKS ARE OBSTACLE FOR SIDEWALK ALSO SEPTIC TANKS (A-B-C) ARE OBSTACLE FOR LOW VOLTAGE, STREET LIGHTING DISTRIBUTION AND PARKING  
AND SEPTIC TANK (D) IS OBSTACLE FOR WATER, DRINKABLE AND ROAD.

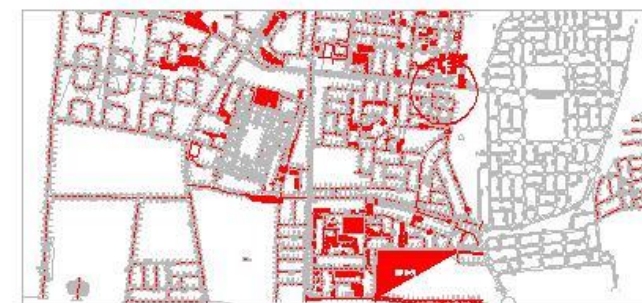
### LEGEND

	HOUSES / WALLS / SIDE WALKS		SEPTIC TANK
	ELECTRICAL POLE		WATER TANK
	ELECTRICAL CABLE		STREET LIGHTING LINE
	WATER DRINKABLE		STREET LIGHTING POLE
	MV CABLE		TELECOMMUNICATION PIPE
	LV CABLE		STORM
	SEWAGE		

### Obstacle Interference

Type of Work	Excavations	Pipe/Cables	Manhole	pole
Storm	X	X		
Sewage	X	X		
Water Drinkable	X	X	X	
Road/PARK	X			
Sidewalks	X			
Electrical Distribution	X	X		
Street Lighting	X	X	X	X
Telecommunications	X	X	X	

## General plan



مشروع مراجعة و استكمال التصميم و تنفيذ البنية التحتية  
للأحياء ( الزهور , الحدائق , القدس , المطار القديم , الناطورة )

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DATE: 07/08/2013

SCALE: 1:1000

TITLE: Obstacles on Roads Q2-A3-301

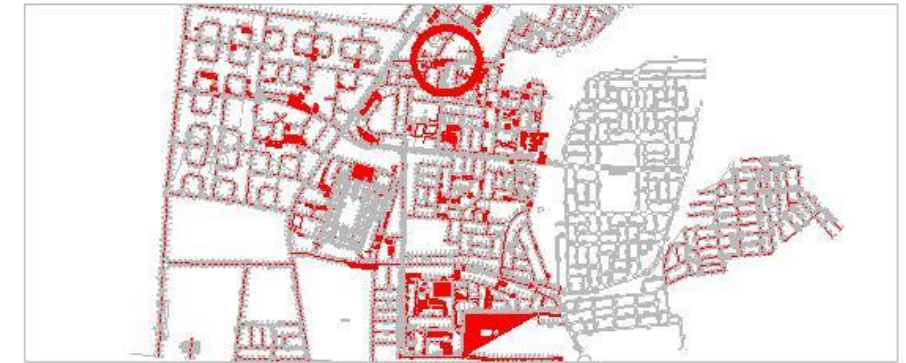


## Obstacle plan



ALL SEPTIC TANKS ARE OBSTACLE FOR SIDEWALK ALSO SEPTIC TANKS (A-B-C) ARE OBSTACLE FOR LOW VOLTAGE, STREET LIGHTING DISTRIBUTION AND PARKING  
AND SEPTIC TANK (D) IS OBSTACLE FOR WATER, DRINKABLE AND ROAD.

## General plan



LEGEND			
	HOUSES / WALLS / SIDE WALKS		SEPTIC TANK
	ELECTRICAL POLE		WATER TANK
	ELECTRICAL CABLE		STREET LIGHTING LINE
	WATER DRINKABLE		STREET LIGHTING POLE
	MV CABLE		TELECOMMUNICATION PIPE
	LV CABLE		STORM
	SEWAGE		

Obstacle Interference				
Type of Work	Excavations	Pipe/Cables	Manhole	Pole
Storm				
Sewage				
Water Drinkable	X	X	X	
Road/PARK	X			
Sidewalks	X			
Electrical Distribution	X	X		
Street Lighting	X	X	X	X
Telecommunications	X	X	X	



مشروع مراجعة و استكمال التصميم و تنفيذ البنية التحتية  
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DATE: 07/08/2013

SCALE: 1:1000

TITLE: Obstacles on Roads Q2-A3-306-401-305

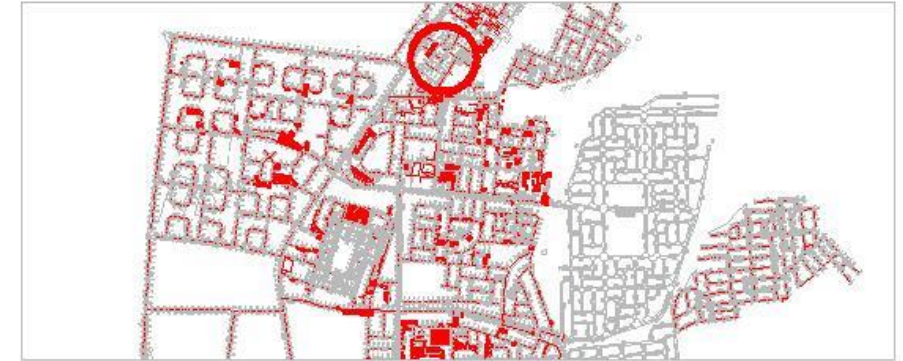


## Obstacle plan



ALL SEPTIC TANKS ARE OBSTACLE FOR SIDEWALK ALSO SEPTIC TANKS (A-B-C) ARE OBSTACLE FOR LOW VOLTAGE, STREET LIGHTING DISTRIBUTION AND PARKING  
AND SEPTIC TANK (D) IS OBSTACLE FOR WATER, DRINKABLE AND ROAD.

## General plan



LEGEND			
	HOUSES / WALLS / SIDE WALKS		SEPTIC TANK
	ELECTRICAL POLE		WATER TANK
	ELECTRICAL CABLE		STREET LIGHTING LINE
	WATER DRINKABLE		STREET LIGHTING POLE
	MV CABLE		TELECOMMUNICATION PIPE
	LV CABLE		STORM
	SEWAGE		

Obstacle Interference				
Type of Work	Excavations	Pipe/Cables	Manhole	pole
Storm				
Sewage				
Water Drinkable	X	X	X	
Road/PARK	X			
Sidewalks	X			
Electrical Distribution	X	X		
Street Lighting	X	X	X	X
Telecommunications	X	X	X	



مشروع مراجعة و استكمال التصميم و تنفيذ البنية التحتية  
للأحياء ( الزهور , الحدائق , القدس , المطار القديم , الناطورة )

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DRAW CODE: OBSTACLE REPORT\_Q2\_A4

DATE: 07/08/2013

SCALE: 1:1000

TITLE: Obstacles on Roads Q2-A4 420-405

## Obstacle plan



ALL SEPTIC TANKS ARE OBSTACLE FOR SIDEWALK ALSO SEPTIC TANKS (A-B-C) ARE OBSTACLE FOR LOW VOLTAGE, STREET LIGHTING DISTRIBUTION AND PARKING  
AND SEPTIC TANK (D) IS OBSTACLE FOR WATER, DRINKABLE AND ROAD.

## General plan



### LEGEND

	HOUSES / WALLS / SIDE WALKS		SEPTIC TANK
	ELECTRICAL POLE		WATER TANK
	ELECTRICAL CABLE		STREET LIGHTING LINE
	WATER DRINKABLE		STREET LIGHTING POLE
	MV CABLE		TELECOMMUNICATION PIPE
	LV CABLE		STORM
	SEWAGE		

### Obstacle Interference

Type of Work	Excavations	Pipe/Cables	Manhole	pole
Storm				
Sewage				
Water Drinkable	X	X	X	
Road/PARK	X			
Sidewalks	X			
Electrical Distribution	X	X		
Street Lighting	X	X	X	X
Telecommunications	X	X	X	



مشروع مراجعة و استكمال التصميم و تنفيذ البنية التحتية  
للأحياء ( الزهور , الحدائق , القدس , المطار القديم , الناطورة )

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DRAW CODE: OBSTACLE REPORT\_Q2 A6

DATE: 07/08/2013

SCALE: 1:100

TITLE: Obstacles on Roads Q2-A6-601



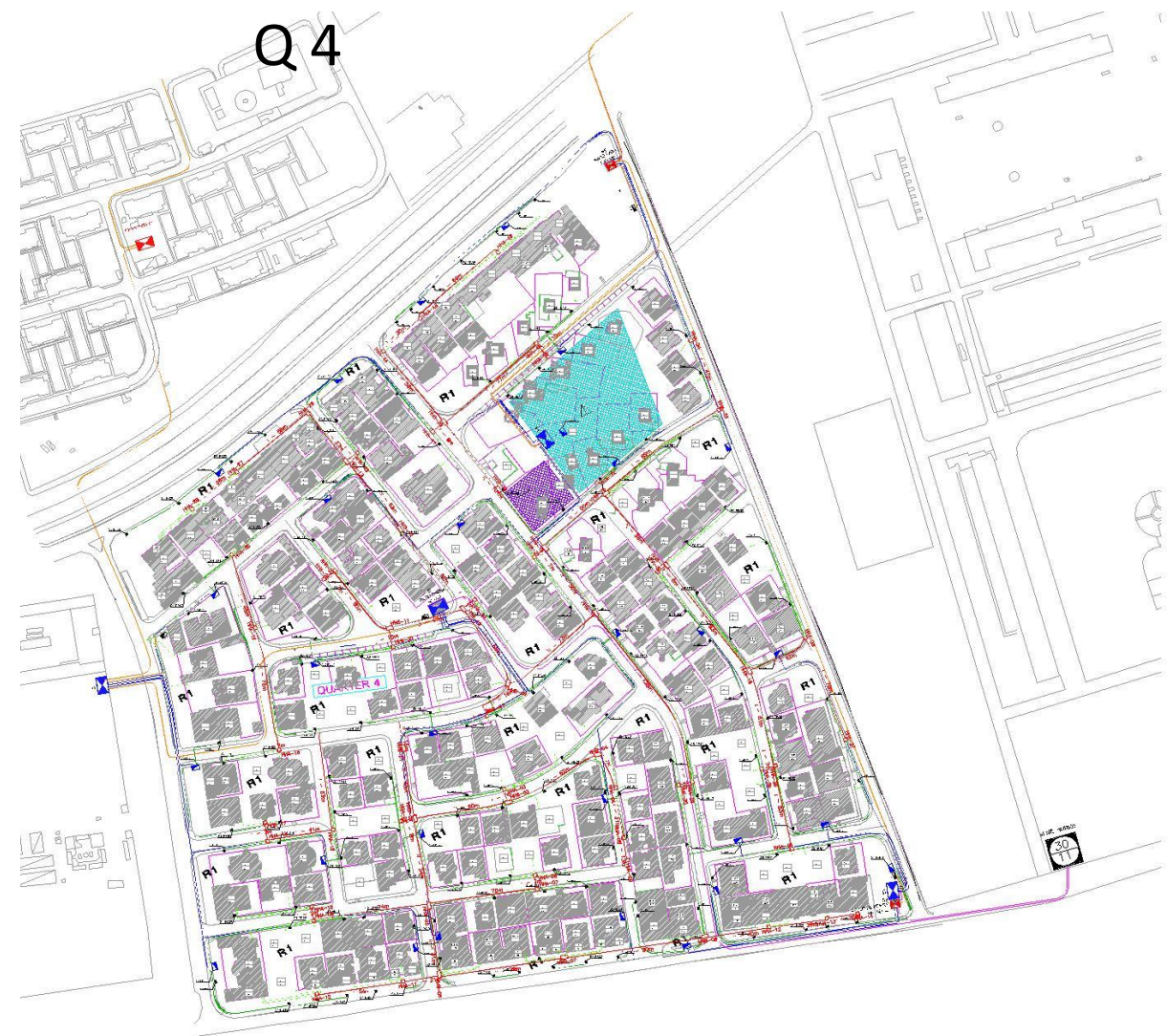
# Planning Works next 3 Months

We have plan to lay cables and pipes for electrical, telecommunications and lighting street : on Quarter 2 (Al Hadaek) area 6, Quarter 1 (Al Kuds) North and Quarter 4 (Al Nathura)

Q 1 NORTH - Q2 AREA 6



Q 4





ALSO WE HAVE PLAN TO COMPLETE MAIN DRINKING WATER ON QUARTER 1 (Al Kuds) North, Quarter 2 (Al Hadaek) area 6 – 5 and Quarter 4 (Al Nathura)

DRINKING WATER  
Q1 - NORTH



DRINKING WATER  
Q2-AREA 6



DRINKING WATER ( Q4 )



DRINKING WATER  
Q2-AREA 5

