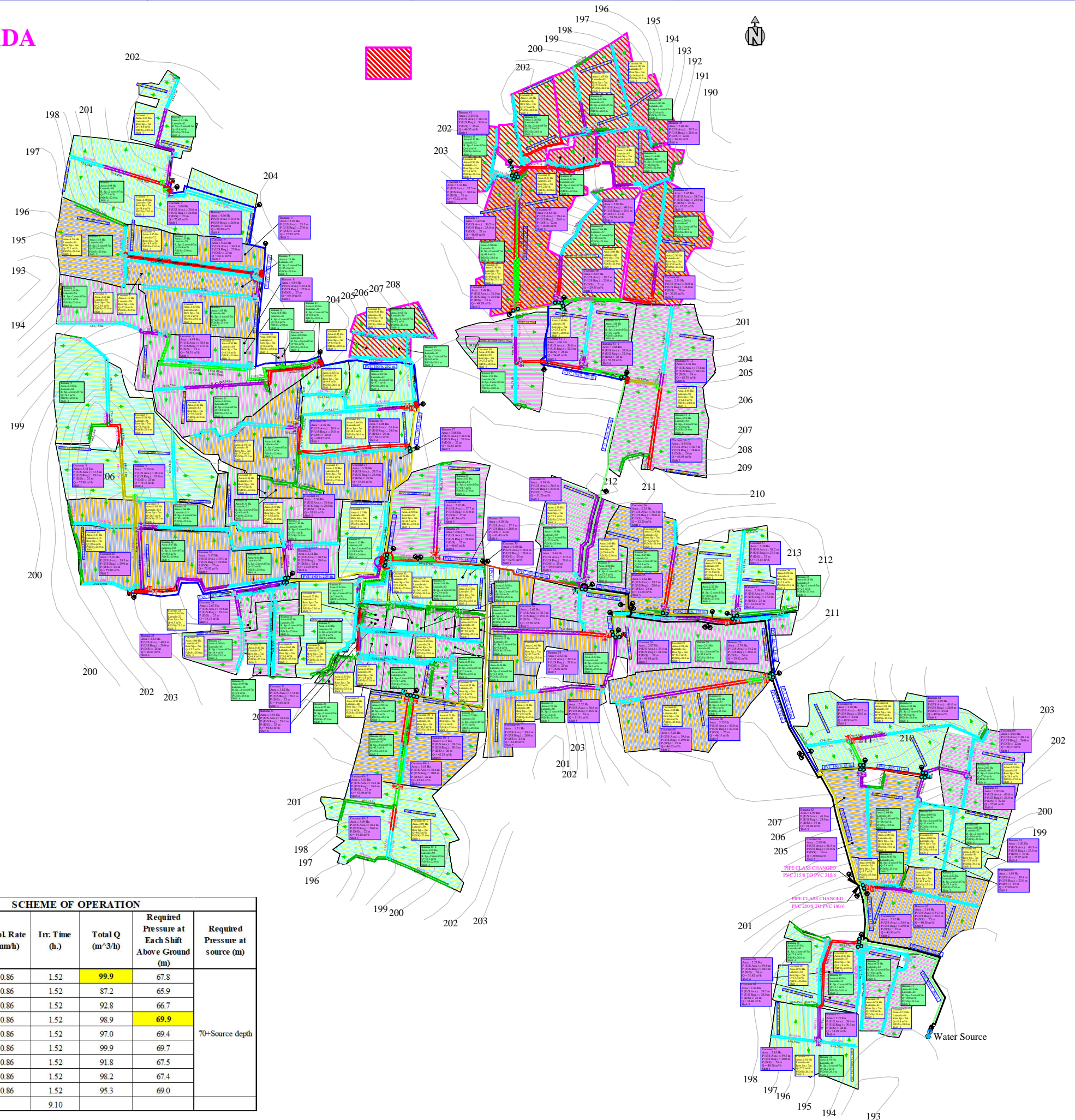
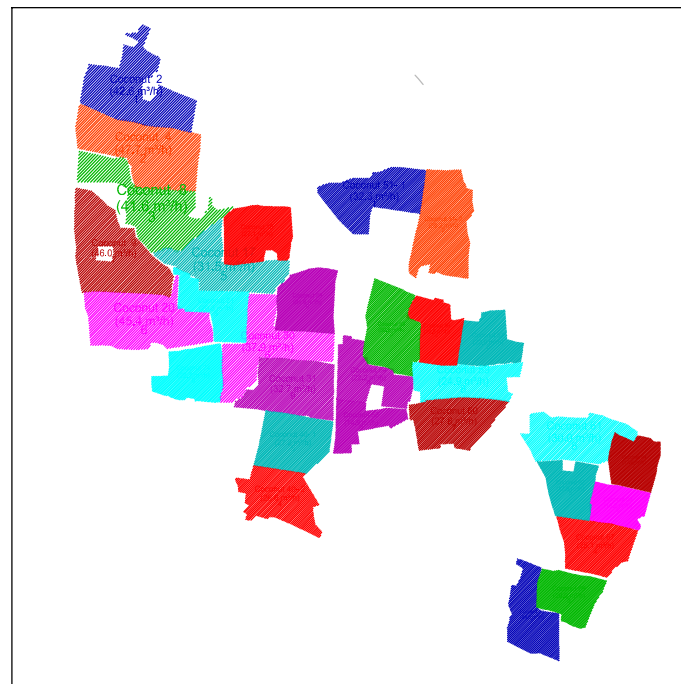


COCONUT CROP- MOONGILMADA



Irrigation Data - Natural Soil		
Description	Units	Details
Crop		Coconut
Irrigation Area (Net)	Ha.	126
Rows/Beds Spacing	Mtr.	7.00
Plants Spacing	Mtr.	7.00
Irrigation System		Drip
Emitter Type		DripNET PC 16008
Emitter - Min. Allowed Pressure	Mtr.	10.0
Emitter Discharge	L/H	3.0
Emitter Spacing	Mtr.	0.5
No. of Laterals per Row/Bed		1.0
Application Rate	mm/h	0.86
Max. Daily Consumption	mm/day	1.4
Irrigation Cycle (days)	Days	1.0
Number of Irrigation days per week	Days	7.0
Duration of one Operation	Hrs.	1.63
Number of Operations	No.	9.0
Max. Daily Operation Duration	Hrs.	14.7
Available Daily Duration	Hrs.	15.0
Maximum Discharge Required	m ³ /h	140.0
Maximum Discharge Available	m ³ /h	No Limitation
Required Pressure at Water Source	M	75+ Source Depth
Max. Flow Variation	%	0.0

Note: DNPC 16008 3 lph@0.5m looping of 7m at every 7m crop spacing.

SCHEME OF OPERATION						
Operation (#)	Net Area (ha.)	Appl Rate (mm/h)	Irr. Time (h.)	Total Q (m ³ /h)	Required Pressure at Each Shift Above Ground (m)	Required Pressure at source (m)
1	11.73	0.86	1.52	99.9	67.8	70+ Source depth
2	10.20	0.86	1.52	87.2	65.9	
3	10.80	0.86	1.52	92.8	66.7	
4	11.42	0.86	1.52	98.9	69.9	
5	11.47	0.86	1.52	97.0	69.4	
6	11.83	0.86	1.52	99.9	69.7	
7	10.86	0.86	1.52	91.8	67.5	
8	11.48	0.86	1.52	98.2	67.4	
9	11.12	0.86	1.52	95.3	69.0	
Total	100.91		9.10			