

Unidirectional Flushing — Field Sheet

Record _____ · Pressures in psi (kPa = psi × 6.895)

A · SEGMENT

A1 Date		A2 Zone	
A3 Crew			
A4 Segment ID		A5 Street	
A6 Flush hydrant		A7 Monitor hydrant	
A8 Start time		A9 End time	

B · PIPE & PLAN

SECT.	DIA MM	MATERIAL	LENGTH M
B1 S1			
B2 S2			
B3 S3			
B4 S4			
B5 S5			
B6 Target m/s	☐ 0.91 ☐ 1.5	B7 Exchanges	☐ 2 ☐ 3
B8 Volume L		B9 Flow needed L/min (gpm)	
B10 Min. flush min		B11 Target gauge psi	

C · VALVES (CLOSING ORDER)

#	VALVE ID	TURNS	RE-OPENED
C1 1			☐
C2 2			☐
C3 3			☐
C4 4			☐
C5 5			☐
C6 6			☐
C7 7			☐

D · PRESSURE & FLOW

D1 Flow from ☐ Nozzle insert _____ ☐ Pitot ☐ Meter			
D2 Static psi (kPa)		D3 Lowest residual psi (kPa)	
D4 Final static psi (kPa)		D5 Gauge psi	
D6 Flow L/min (gpm)		D7 Velocity m/s (ft/s)	
D8 Flush time min		D9 Water used L	

E · WATER QUALITY

	TIME	TURBIDITY NTU	TOTAL CL ₂ mg/L	COLOUR	
E1 Initial					
E2 Mid-peak					
E3 Final					
E4 NITRIFICATION (main condition)	pH	MONO mg/L	FREE NH ₃ mg/L	NO ₂ -N mg/L	TEMP °C
Optional · initial sample					

F · COMPLETE & RESTORED

☐ F1 Target velocity reached	☐ F2 Exchanges reached
☐ F3 Turbidity < 1 NTU	☐ F4 Total Cl ₂ ≥ 1 mg/L (report < 0.3)
☐ F5 Residual ≥ 20 psi (140 kPa)	☐ F6 Discharge dechlorinated
☐ F7 Valves re-opened, turns match	☐ F8 Hydrant drained & capped

G · ISSUES, NOTES & SIGN-OFF

☐ Customer complaint ☐ Drainage problem ☐ Valve failed ☐ Damage found ☐ Low pressure	
G1 Notes (valve problems, discoloured water, complaints, follow-up)	
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G2 Sign-off (both)	