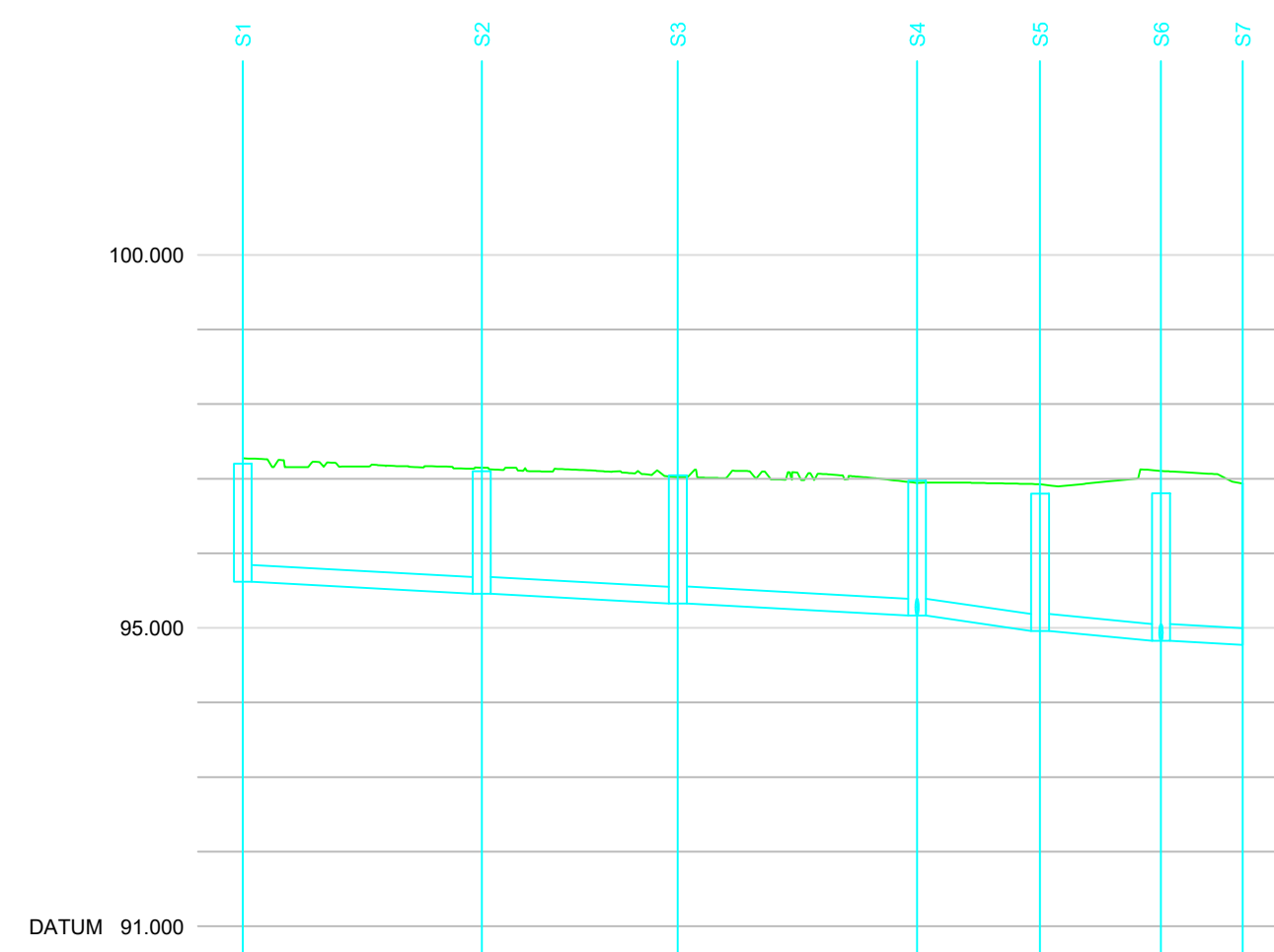


GENERAL NOTES:

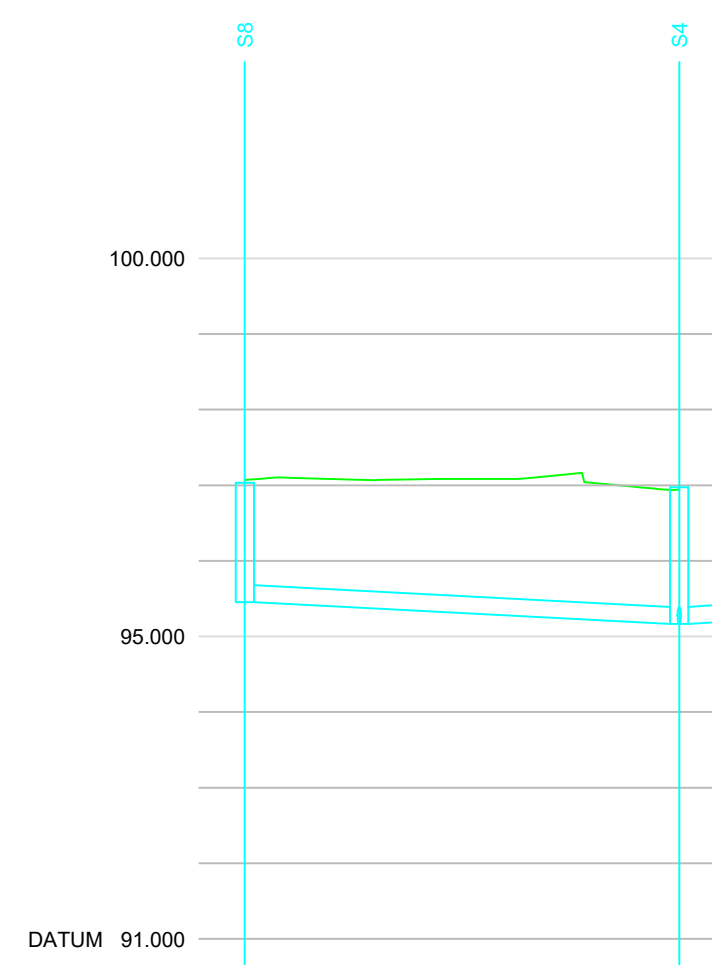
1. ALL DIMENSIONS AND LEVELS TO BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF THE WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECT'S AND OTHER CIVIL DRAWINGS.



GROUND LEVEL	97.273	97.173	97.098	97.063	97.047	96.941	97.063	
STORMWATER COVER LEVEL	97.200	97.100	97.045	96.975	96.800	96.805	96.935	
STORMWATER INVERT	95.619	95.459	95.328	95.166	94.960	94.825	94.770	
STORMWATER DETAILS	Pipe 1.000 Dia 225 uPVC 1 in 100	Pipe 1.001 Dia 225 uPVC 1 in 100	Pipe 1.002 Dia 225 uPVC 1 in 100	Pipe 1.003 Dia 225 uPVC 1 in 40	Pipe 1.004 Dia 225 uPVC 1 in 60	Pipe 1.005 Dia 225 uPVC 1 in 100		
STORMWATER LENGTHS	16.016	13.135	16.039	8.240	8.110	5.472		

NET 1: PIPES 1.000 – 1.005

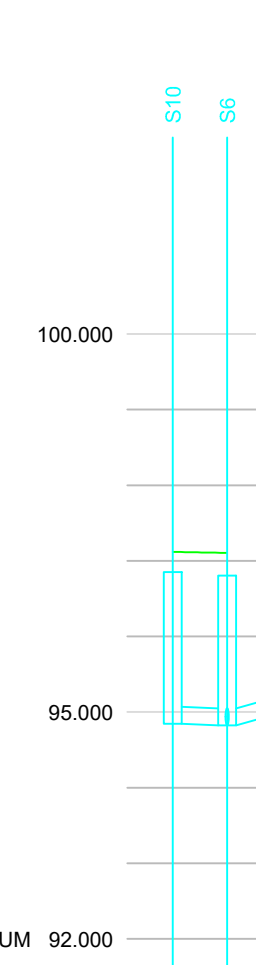
Hz SCALE 1:500
Vt SCALE 1:100



GROUND LEVEL	97.071	97.073	97.119
STORMWATER COVER LEVEL	97.031		96.975
STORMWATER INVERT	95.453		95.166
STORMWATER DETAILS	Pipe 2.000 Dia 225 uPVC 1 in 100		
STORMWATER LENGTHS	28.734		

NET 1: PIPE 2.000

Hz SCALE 1:500
Vt SCALE 1:100



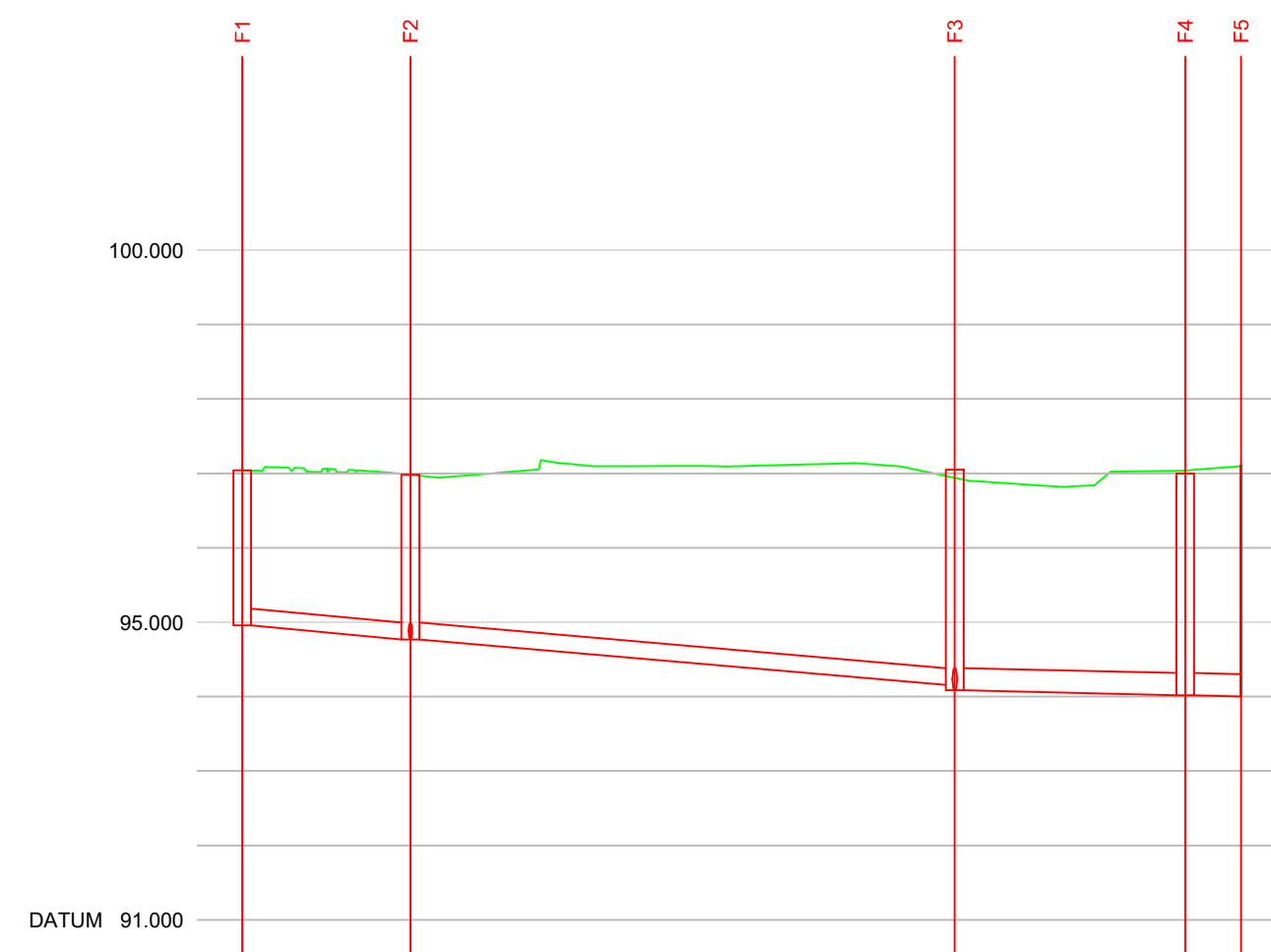
GROUND LEVEL	97.119
STORMWATER COVER LEVEL	96.850 96.805
STORMWATER INVERT	94.846 94.825
STORMWATER DETAILS	Pipe 3.000 Dia 225 uPVC 1 in 170
STORMWATER LENGTHS	3.599

NET 1: PIPE 3.000

Hz SCALE 1:500
Vt SCALE 1:100

Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Pipe Length	Upstream Manhole		Downstream Manhole		Manhole Dia. (mm)
					Number	Invert	Number	Invert	
1.000	225	100	uPVC	16.016	S1	95.619	S2	95.459	1200
1.001	225	100	uPVC	13.135	S2	95.459	S3	95.328	1200
1.002	225	100	uPVC	16.039	S3	95.328	S4	95.166	1200
1.003	225	40	uPVC	8.240	S4	95.166	S5	94.960	1200
1.004	225	60	uPVC	8.110	S5	94.960	S6	94.825	1200
1.005	225	100	uPVC	5.472	S6	94.825	S7	94.770	1200
2.000	225	100	uPVC	28.734	S8	95.453	S4	95.166	1200
3.000	225	170	uPVC	3.599	S10	94.846	S6	94.825	1200

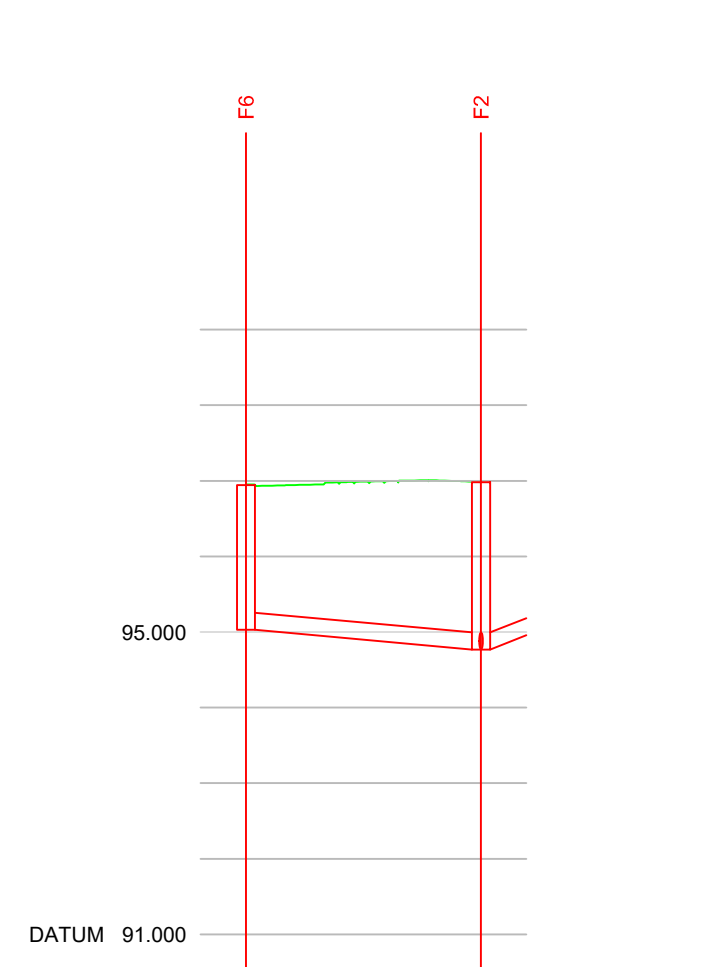
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Pipe Length	Upstream Manhole		Downstream Manhole		Manhole Dia. (mm)
					Number	Invert	Number	Invert	
1.000	225	60	uPVC	11.296	F1	94.957	F2	94.769	1200
1.001	225	60	uPVC	36.571	F2	94.769	F3	94.159	1200
1.002	300	238	uPVC	15.483	F3	94.084	F4	94.019	1200
1.003	300	234	uPVC	3.738	F4	94.019	F5	94.003	1200
2.000	225	60	uPVC	15.548	F6	95.028	F2	94.769	1200
3.000	300	244	uPVC	4.645	F7	94.378	F8	94.359	1200
3.001	300	239	uPVC	12.201	F8	94.359	F9	94.308	1200
3.002	300	240	uPVC	53.762	F9	94.308	F3	94.084	1200



GROUND LEVEL	97.075	97.007	97.125	97.098	97.132	96.886	97.028
FOULWATER COVER LEVEL	97.075	97.005		97.050		97.050	97.108
FOULWATER INVERT	94.857	94.769	94.769	94.159	94.084	94.019	94.003
FOULWATER DETAILS	Pipe 1.000 Dia 225 uPVC 1 in 60	Pipe 1.001 Dia 225 uPVC 1 in 60		Pipe 1.002 Dia 300 uPVC 1 in 240		Pipe 1.003 Dia 300 uPVC 1 in 240	
FOULWATER LENGTHS	11.296	36.571		15.483		3.738	

NET 1: PIPES 1.000 – 1.003

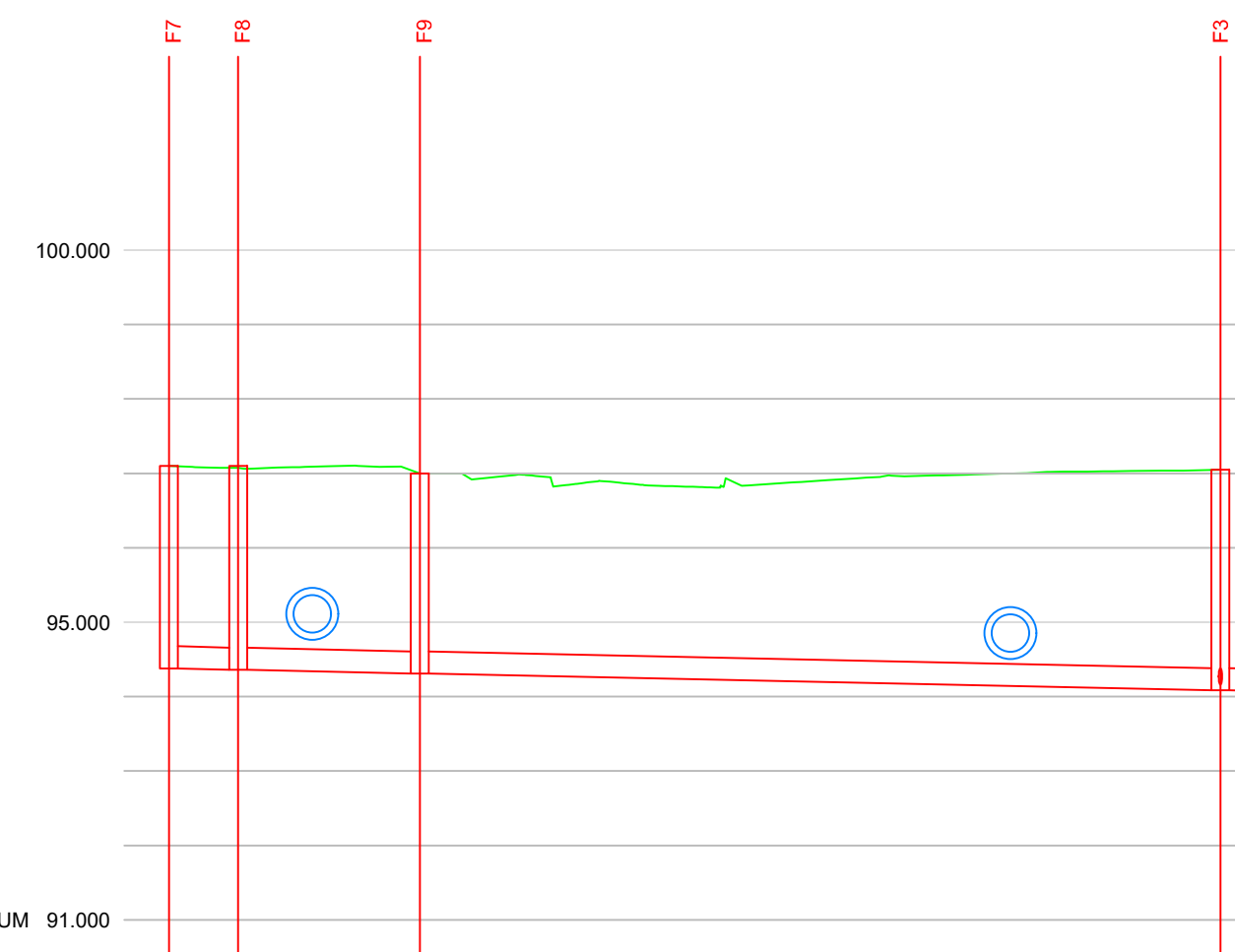
Hz SCALE 1:500
Vt SCALE 1:100



GROUND LEVEL	96.950	97.000
FOULWATER COVER LEVEL	96.725	97.005
FOULWATER INVERT	95.028	94.769
FOULWATER DETAILS	Pipe 2.000 Dia 225 uPVC 1 in 60	
FOULWATER LENGTHS	15.548	

NET 1: PIPE 2.000

Hz SCALE 1:500
Vt SCALE 1:100



GROUND LEVEL	96.854	96.945	96.910	96.879	96.853	96.863	97.022	96.864
FOULWATER COVER LEVEL	97.100	97.100	97.000				97.050	
FOULWATER INVERT	94.378	94.359	94.359	94.308	94.308		94.084	
FOULWATER DETAILS	Pipe 3.000 Dia 300 uPVC 1 in 240	Pipe 3.001 Dia 300 uPVC 1 in 240		Pipe 3.002 Dia 300 uPVC 1 in 240				
FOULWATER LENGTHS	4.645	12.201		53.762				

NET 1: PIPES 3.000 – 3.002

Hz SCALE 1:500
Vt SCALE 1:100

C	23.05.22	UPDATED TO LATEST LAYOUT	FM	MK
B	24.09.21	UPDATED TO LATEST LAYOUT	FM	MK
A	23.04.21	UPDATED TO LATEST LAYOUT	FM	MK
REV	DATE	DESCRIPTION	BY	APPR

DRAWING STATUS:	
PART_8	
CLIENT:	
WESTMEATH COUNTY COUNCIL	
JOB DESCRIPTION:	
15No. RAPID BUILD HOUSING UNITS, ENNELL COURT, MULLINGAR, COUNTY WESTMEATH	
DRAWING TITLE:	
DRAINAGE LONGSECTIONS	
PROJECT No.:	DRAWING No.:
P-3457	C-109
SCALE:	DATE:
1:250	21.09.2020
DRAWN BY:	APPROVED BY:
JR	PMCM

McMahon Associates
 Consulting Civil & Structural Engineers, Traffic Engineers
 PSDP/CDM Principal Designer, Project Managers
 Armagh Drogheda Croydon
 (028) 3752 2940 (041) 2137050 (0208) 2636051
 e: info@mcmahonengineers.com