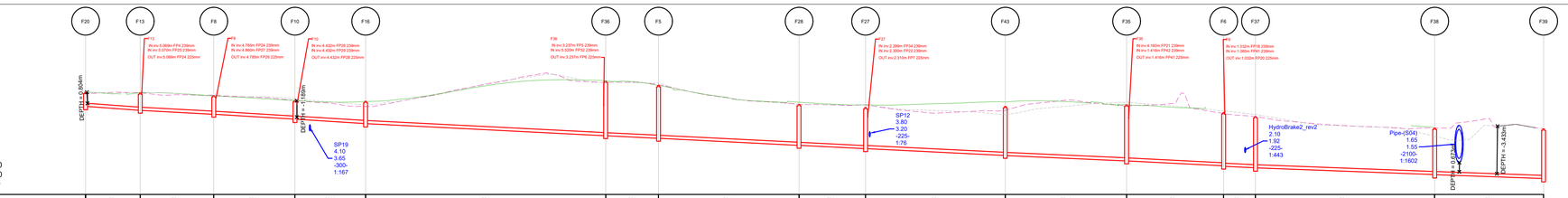
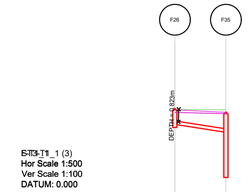


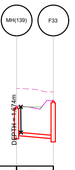
F-T1
Hor Scale 1:500
Ver Scale 1:100
DATUM: -1.000

PN	FP4	FP24	FP26	FP28	FP5	FP6	FP33	FP34	FP7	FP42	FP41	FP20	FP19	FP3
Pipe Dia. (mm)	225	225	225	225	225	225	225	225	225	225	225	225	225	225
Pipe Slope	1:68	1:94	1:83	1:80	1:99	1:101	1:100	1:100	1:101	1:111	1:100	1:101	1:132	1:140
Cover Level (m)	6.378 6.328	6.129	5.781	5.717	7.176	6.864	5.500	5.274	5.349	5.465	4.866	4.619	3.786	3.727
Invert Level (m)	5.395 5.07 5.07	4.79 4.79	4.43 4.43	4.11 4.11	3.24 3.24	3.05 3.05	2.94 2.94	2.30 2.31	1.81 1.81	1.42 1.42	1.06 1.03	0.92 0.92	0.43 0.43	0.15
Pipe Length (m)	19.77	26.60	29.37	25.56	86.82	19.12	50.84	24.06	50.52	43.88	35.11	11.51	64.82	39.40
Existing Ground Levels	6.37 6.33 6.17 6.11	6.03 5.90 3.70 5.58	5.58 5.97 6.35 6.77	7.05 7.63 7.15 7.10	8.00 6.37 6.03 5.74	5.48 5.46 5.45 5.22	4.98 4.96 5.02 5.50	5.72 5.50	5.42 5.50	4.88 4.68 4.39 4.19	3.92 3.84 3.75 3.80	3.96 3.97		
Proposed Ground Levels	6.28 6.33 6.32 6.21	5.97 5.85 5.73 5.66	5.79 6.02 6.34 6.69	7.19 7.28 7.26 7.16	6.78 6.37 6.06 5.78	5.63 5.52 5.47 5.45	5.58 5.64 5.69 5.75	5.64 5.51	5.43 5.34		3.96			



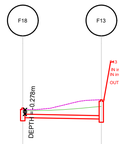
~~ST3-T1_1 (3)~~
Hor Scale 1:500
Ver Scale 1:100
DATUM: 0.000

PN	FP21
Pipe Dia. (mm)	225
Pipe Slope	1:32
Cover Level (m)	5.700 5.465
Invert Level (m)	4.68 4.16
Pipe Length (m)	16.67
Existing Ground Levels	5.41
Proposed Ground Levels	5.53



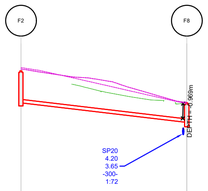
F-T3_2
Hor Scale 1:500
Ver Scale 1:100
DATUM: 3.000

PN	FP2A
Pipe Dia. (mm)	225
Pipe Slope	1:57
Cover Level (m)	6.842 7.229
Invert Level (m)	4.89 4.76
Pipe Length (m)	11.98
Existing Ground Levels	7.05
Proposed Ground Levels	



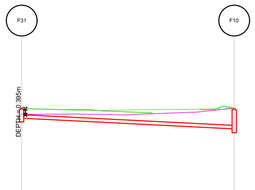
F-T1_6
Hor Scale 1:500
Ver Scale 1:100
DATUM: 3.000

PN	FP25
Pipe Dia. (mm)	225
Pipe Slope	1:268
Cover Level (m)	5.798 6.328
Invert Level (m)	5.17 5.07
Pipe Length (m)	25.65
Existing Ground Levels	5.65 5.90
Proposed Ground Levels	5.65 5.80



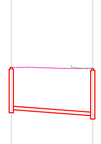
~~ST3-T1_1 (2)~~
Hor Scale 1:500
Ver Scale 1:100
DATUM: 0.000

PN	FP27
Pipe Dia. (mm)	225
Pipe Slope	1:42
Cover Level (m)	8.224 6.129
Invert Level (m)	6.14 4.86
Pipe Length (m)	54.18
Existing Ground Levels	8.03 7.75 7.50 6.88
Proposed Ground Levels	7.20 6.74 6.44



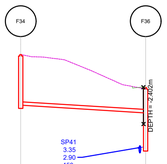
F-T1_4
Hor Scale 1:500
Ver Scale 1:100
DATUM: 0.000

PN	FP29
Pipe Dia. (mm)	225
Pipe Slope	1:99
Cover Level (m)	5.805 5.781
Invert Level (m)	5.14 4.43
Pipe Length (m)	69.40
Existing Ground Levels	5.39 5.40 5.38 5.41 5.98
Proposed Ground Levels	5.70 5.65 5.66 5.68 5.73



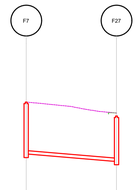
ST3-T1_1 (13)
Hor Scale 1:500
Ver Scale 1:100
DATUM: 0.000

PN	FP100
Pipe Dia. (mm)	225
Pipe Slope	1:67
Cover Level (m)	5.437 5.341
Invert Level (m)	2.69 2.29
Pipe Length (m)	26.61
Existing Ground Levels	5.46
Proposed Ground Levels	5.46



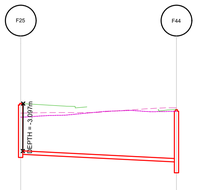
F-T1_3
Hor Scale 1:500
Ver Scale 1:100
DATUM: 2.000

PN	FP32
Pipe Dia. (mm)	225
Pipe Slope	1:82
Cover Level (m)	9.320 7.176
Invert Level (m)	6.02 5.52
Pipe Length (m)	40.80
Existing Ground Levels	9.10 8.52 7.65 7.17
Proposed Ground Levels	7.20



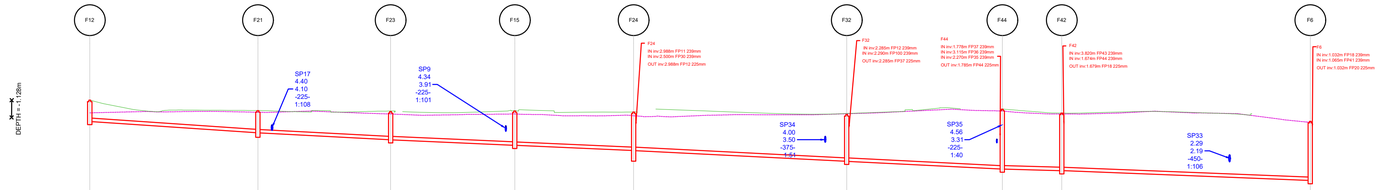
F-T1_2
Hor Scale 1:500
Ver Scale 1:100
DATUM: 0.000

PN	FP22
Pipe Dia. (mm)	225
Pipe Slope	1:60
Cover Level (m)	6.183 5.274
Invert Level (m)	2.80 2.30
Pipe Length (m)	29.50
Existing Ground Levels	5.98 5.88
Proposed Ground Levels	



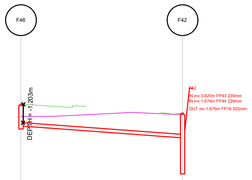
F-T2_11
Hor Scale 1:500
Ver Scale 1:100
DATUM: 0.000

PN	FP35
Pipe Dia. (mm)	225
Pipe Slope	1:100
Cover Level (m)	6.090 5.688
Invert Level (m)	2.78 2.27
Pipe Length (m)	50.86
Existing Ground Levels	5.31 5.43 5.66 5.59
Proposed Ground Levels	5.97 5.84



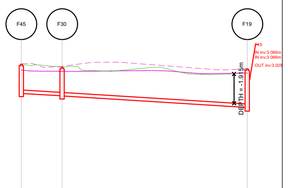
F-T2
Hor Scale 1:500
Ver Scale 1:100
DATUM: 0.000

PN	FP8	FP9	FP10	FP11	FP12	FP37	FP44	FP18	FP38
Pipe Dia. (mm)	225	225	225	225	225	225	225	225	225
Pipe Slope	1:74	1:95	1:112	1:114	1:99	1:100	1:175	1:125	1:91
Cover Level (m)	6.281	5.565	5.535	5.570	5.504	5.941	5.688	5.434	4.866
Invert Level (m)	4.89 4.15	4.15 3.69	3.69 3.33	3.33 2.99	2.99 2.29	2.29 1.78	1.78 1.07	1.07 0.92	0.92 0.10
Pipe Length (m)	54.89	43.34	40.53	38.62	69.58	50.79	19.42	81.13	11.91
Existing Ground Levels	5.50 5.53 5.53 5.55	5.49 5.55 5.50 5.43	5.30 5.33 5.36 5.36	5.26 5.27 5.23 5.19	5.33 5.33 5.33 5.35	5.48 5.58 5.68 5.60	5.41 5.38 5.40 5.48	5.45 5.42 5.26 5.00	
Proposed Ground Levels	5.84 5.84 5.66 5.65 5.62	5.57 5.51 5.50 5.54	5.48 5.47 5.53 5.61	5.48 5.50 5.66	5.51 5.44 5.38 5.37	5.50 5.61 5.79	5.51 5.43 5.47 5.53	5.48 5.41	



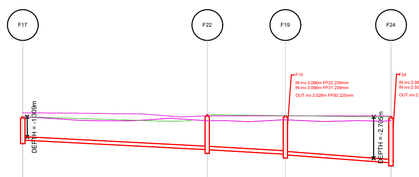
F-T2_1
Hor Scale 1:500
Ver Scale 1:100
DATUM: 0.000

PN	FP43
Pipe Dia. (mm)	225
Pipe Slope	1:68
Cover Level (m)	6.022 5.434
Invert Level (m)	4.59 3.92
Pipe Length (m)	52.76
Existing Ground Levels	5.22 5.31 5.42 5.45
Proposed Ground Levels	5.88 5.88



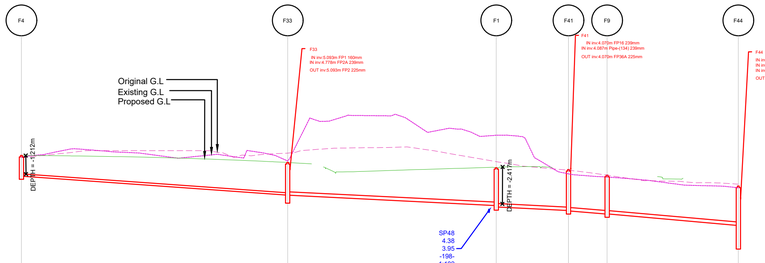
F-T2_2_1
Hor Scale 1:500
Ver Scale 1:100
DATUM: -3.000

PN	FP40	FP31
Pipe Dia. (mm)	225	225
Pipe Slope	1:85	1:80
Cover Level (m)	5.881	5.684 5.583
Invert Level (m)	3.99 3.82	3.82 3.07
Pipe Length (m)	13.31	60.46
Existing Ground Levels	5.43	5.42 5.45 5.47 5.27 5.30
Proposed Ground Levels	5.75	5.49 5.44 5.63 5.22



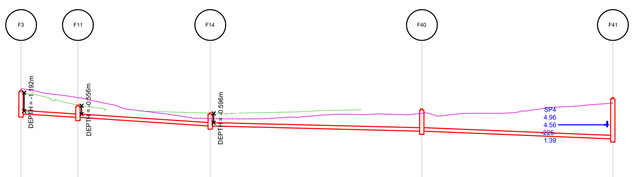
~~ST3-T2_1 (5)~~
Hor Scale 1:500
Ver Scale 1:100
DATUM: 0.000

PN	FP17	FP23	FP30
Pipe Dia. (mm)	225	225	225
Pipe Slope	1:97	1:86	1:85
Cover Level (m)	5.611 5.504	5.633	5.583
Invert Level (m)	3.99 3.36	3.36 3.07	3.03 2.40
Pipe Length (m)	60.24	25.50	34.49
Existing Ground Levels	5.58 5.28 5.25 5.30	5.26 5.23 5.26 5.31	5.28 5.25
Proposed Ground Levels	5.44 5.38 5.32 5.26	5.63 5.60 5.55	5.50



F-T3
Hor Scale 1:500
Ver Scale 1:100
DATUM: 0.000

PN	FP1	FP2	Pipe-(134)	FP36A	FP36
Pipe Dia. (mm)	150	225	225	225	225
Pipe Slope	1:70	1:100	1:99	1:60	1:57
Cover Level (m)	7.683	7.229	6.686	6.760	6.398 5.688
Invert Level (m)	6.34	5.09 5.09	4.41 4.32	4.09 4.07	3.86 3.57 3.11
Pipe Length (m)	86.94	68.11	23.58	12.62	42.85
Existing Ground Levels	7.96 8.09 7.94 7.41	7.08 7.08 7.08 7.41 8.46	10.29 10.37 9.94 9.46	8.99 7.25 6.44 6.26	5.92 5.73 5.96
Proposed Ground Levels	7.67 7.60 7.60 7.57	7.46 7.38 7.36 7.19	6.63 6.70 6.77 6.83	6.99 6.96	6.11



ST3-T1_1 (8)
Hor Scale 1:500
Ver Scale 1:100
DATUM: 0.000

PN	FP13	FP14	FP15	FP16
Pipe Dia. (mm)	225	225	225	225
Pipe Slope	1:78	1:76	1:202	1:123
Cover Level (m)	7.246	6.275	5.764	6.027 6.760
Invert Level (m)	5.70 5.47	5.48 4.90	4.81 4.57	4.58 4.07
Pipe Length (m)	18.57	43.19	69.08	62.38
Existing Ground Levels	6.98 6.72 6.30 5.98	5.96 5.77 5.79 5.83	5.96 5.68 5.72	5.75 5.54 5.75 6.04 6.19 6.35
Proposed Ground Levels	6.66 6.23 5.88	5.76 5.71 5.78 5.83	5.96	5.72 5.54 5.72 6.04 6.19 6.35

REVISION DETAILS	DATE

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LEGEND

PROPOSED SURFACE

EXISTING SURFACE

Issue: INFORMATION

Project: Housing Development Raheen, Co. Limerick

Client: Lawlor Burns & Associates

Drawing Title: Pipe Design Foul Pipe Longsections

DES.	SCALE	DRN.	DATE
	1:1000	DCM	12/10/18

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Project No.	Drawing No.	Revision
18112	C06	