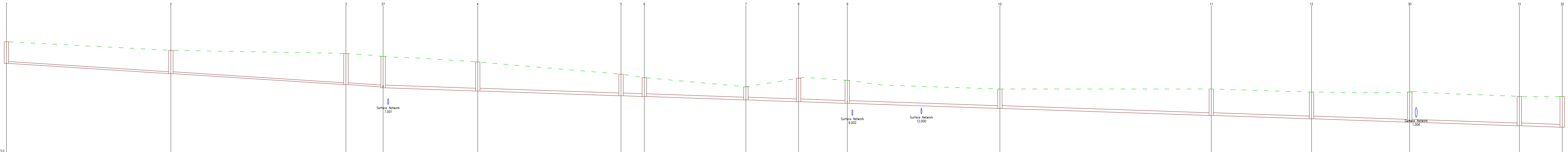
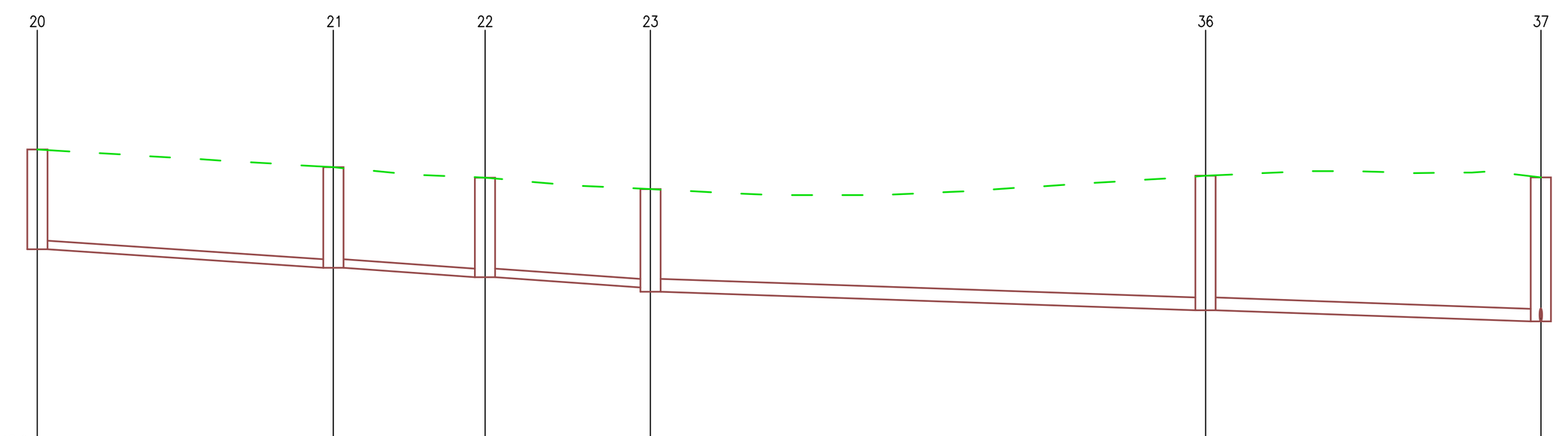


Vert exaggeration = 5.0

Datum = 43.0

Link Name		1.000		1.001		1.002		1.003		1.004		1.005		1.006		1.007		1.008
Section Type		100mm		100mm		100mm		150mm		150mm		150mm		150mm		150mm		150mm
Slope (1:X)		1:79.9		1:79.9		1:79.7		1:149.7		1:150.5		1:147.7		1:149.4		1:149.3		1:148.9
Cover Level (m)	49.056		48.586	48.430	48.412		48.254	47.996	47.952		47.287		47.100		46.600		47.065	
Invert Level (m)	47.876		47.316 47.316		46.720 46.720		46.593 46.543		46.371 46.371		46.112 46.112		46.069 46.069		45.884 45.884		45.788 45.788	
Length (m)		44.745		47.634		10.118		25.750		38.989		6.349		27.632		14.336		13.253

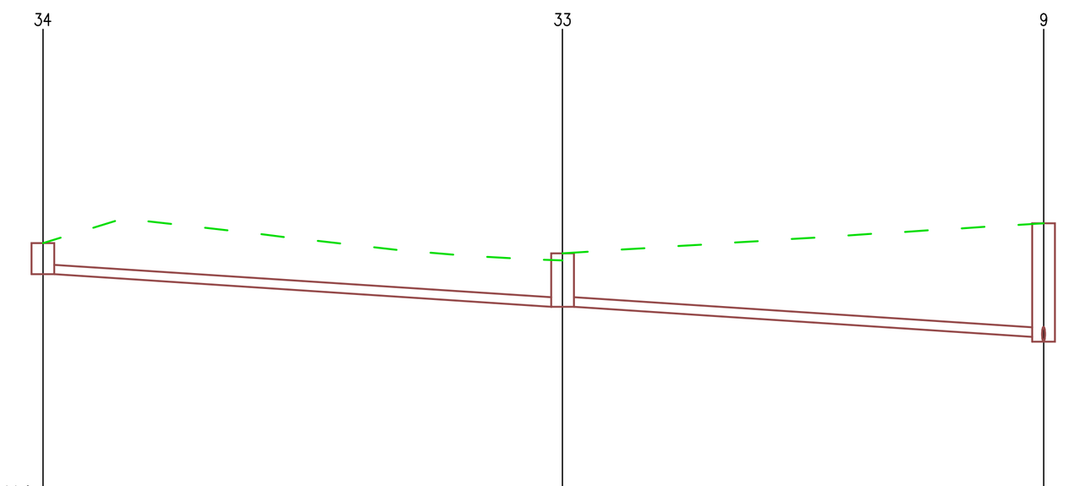
Link Name		1.009		1.010		1.011		1.012		1.013		1.014		
Section Type		150mm		150mm		150mm		150mm		150mm		150mm		
Slope (1:X)		1:149.9		1:149.8		1:149.9		1:149.3		1:149.9		1:149.5		
Cover Level (m)	46.951	46.692	46.481		46.481		46.310		46.322	46.282	46.078		46.070	
Invert Level (m)	45.699 45.699		45.422 45.422		45.038 45.038		44.856 44.856		44.677 44.677		44.478 44.478		44.400	
Length (m)		41.521		57.521		27.282		26.716		29.833		11.664		



Vert exaggeration = 5.0

Datum = 45.0

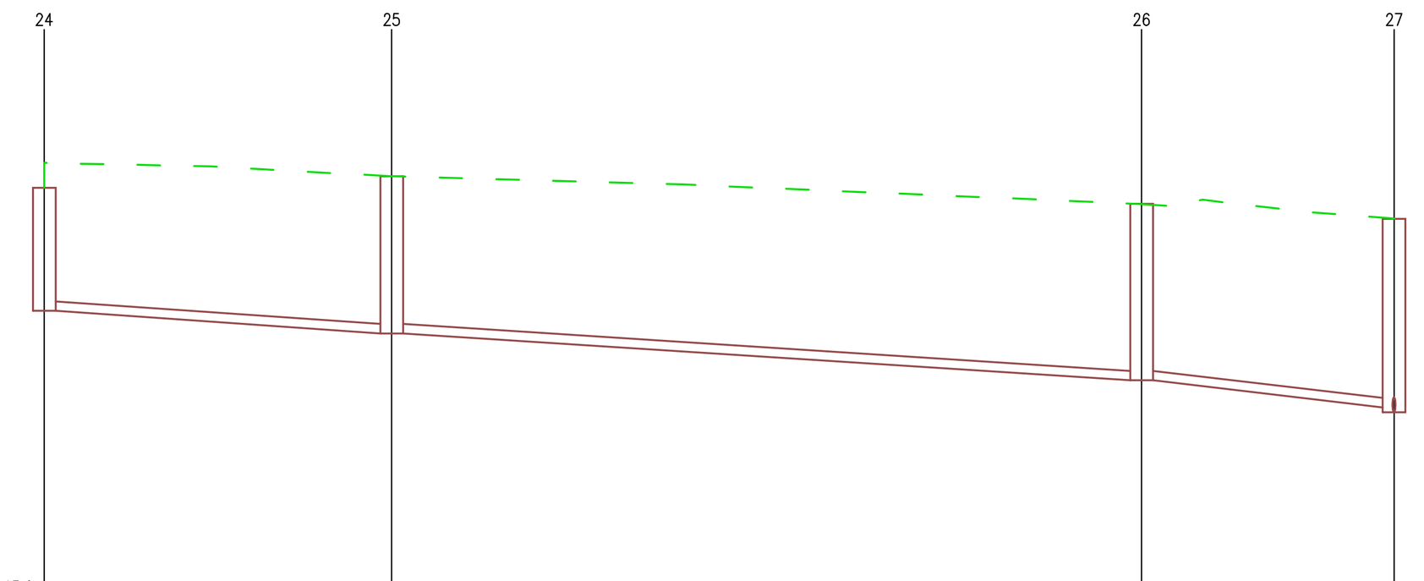
Link Name			2.000		2.001		2.002		2.003		2.004	
Section Type			100mm		100mm		100mm		150mm		150mm	
Slope (1:X)			1:79.9		1:79.8		1:80.5		1:149.9		1:149.7	
Cover Level (m)		48.584		48.373		48.250		48.113	48.043	48.271	48.328	48.254
Invert Level (m)		47.401		47.181 47.181		47.068 47.068		46.946 46.896		46.676 46.676		46.543
Length (m)			17.577		9.017		9.821		32.970		19.914	



Vert exaggeration = 5.0

Datum = 44.0

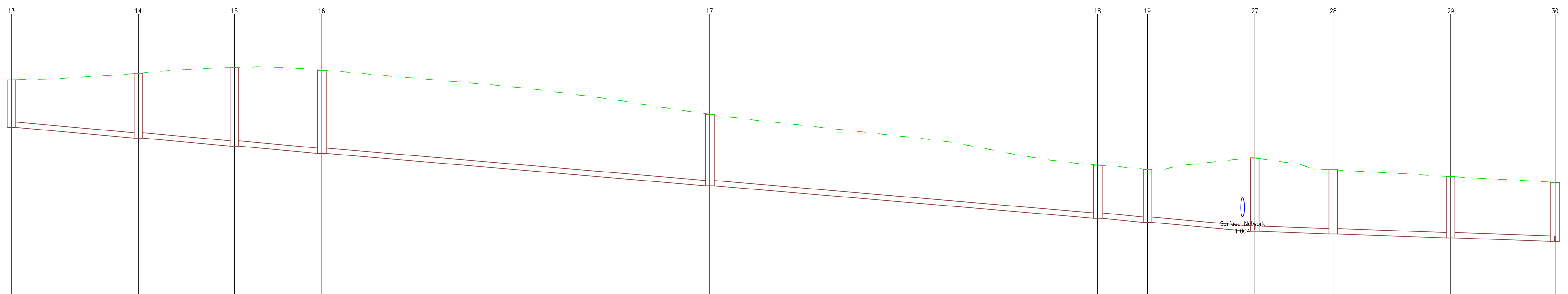
Link Name			3.000		3.001	
Section Type			100mm		100mm	
Slope (1:X)			1:80.0		1:79.9	
Cover Level (m)		46.740	47.000	46.631		46.951
Invert Level (m)		46.410		46.067 46.067		45.749
Length (m)			27.457		25.420	



Vert exaggeration = 5.0

Datum = 43.0

Link Name			5.000		5.001		5.003	
Section Type			100mm		100mm		100mm	
Slope (1:X)			1:77.1		1:79.9		1:46.7	
Cover Level (m)		47.326		47.448		47.156	47.200	47.000
Invert Level (m)		46.026		45.788 45.788		45.292 45.292		45.006
Length (m)			18.360		39.628		13.346	



Vert exaggeration = 5.0

Datum = 43.0

Link Name			4.000		4.001		4.002		4.003		4.004		4.005		4.006		4.007		4.008		4.009
Section Type			150mm		150mm		150mm		150mm		150mm		150mm		150mm		150mm		150mm		150mm
Slope (1:X)			1:59.9		1:59.8		1:59.7		1:60.0		1:60.0		1:59.9		1:59.9		1:149.8		1:150.4		1:150.3
Cover Level (m)		49.181		49.358	49.518	49.517	49.541	49.452		48.216		46.800		46.681		47.000		46.676		46.485	
Invert Level (m)		47.852		47.556 47.556		47.332 47.332		47.128 47.128		46.225 46.225		45.322 45.322		45.206 45.206		44.956 44.956		44.883 44.883		44.774 44.774	
Length (m)			17.733		13.396		12.185		54.152		54.152		6.945		14.980		10.934		16.397		14.578

(final columns of the 4.xxx table, at node 30)

Cover Level (m)	46.322
Invert Level (m)	44.677

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION, INC. RISK ASSESSMENTS AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
2. DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
3. ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METERS UNLESS OTHERWISE STATED.
4. TOPOGRAPHICAL SURVEY UNDERTAKEN BY EVANS & LANGFORD LLP IN MARCH 2021.

DRAINAGE NOTES

1. LATERAL PIPES TO BE 100Ø UNLESS OTHERWISE SPECIFIED.
2. RC DENOTES REQUIREMENT FOR RECESSED COVERS ON PPIC's
3. WHERE PPIC'S FALL WITHIN A PATIO, THESE MUST BE INSTALLED WITH A RECESSED COVER TYPE.
4. SVP/WC LATERAL PIPES TO BE INSTALLED AT MINIMUM 1:40 GRADIENT TO THE FIRST CHAMBER/PPIC. RWP LATERALS TO BE INSTALLED AT MINIMUM 1:80.
5. All MANHOLES AND INSPECTION CHAMBERS TO BE INSTALLED IN ACCORDANCE WITH THE SEWER SECTOR GUIDANCE APPENDIX C TYPE AS SHOWN. MANHOLE INSTALLATION CAN VARY FROM DETAIL SHOWN, I.E. A TYPE A MANHOLE CAN BE INSTALLED IN ACCORDANCE WITH SSG APPENDIX C FIGURE B4, B5, B6, B7, OR B8 AS LONG AS THE NOTES AT THE TOP OF THE FIGURE APPLY TO THE POSITION OF THE MANHOLE I.E. FIGURE B19 WOULD NOT BE CONSTRUCTED IN A ROAD BUT COULD BE CONSTRUCTED IN A DRIVEWAY, AND B20 COULD BE CONSTRUCTED IN A HIGHWAY.
6. ALL UNDERGROUND BENDS SHOULD BE CONSTRUCTED OUT OF LOW RADII BENDS WITH MINIMUM 400mm INTERNAL RADII TO ALLOW FOR RODDING.
7. ALL THERMOPLASTIC PIPES TO COMPLY WITH WITH THE RELEVANT PROVISIONS OF BS EN 1401-1 (PVC-U), BS EN 1852-1 (PP), OR BS EN 12666-1 (PE) AS APPROPRIATE.
8. UNREINFORCED AND REINFORCED CONCRETE PIPES AND FITTINGS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 1916 AND BS 5911-1 AND SHALL BE MANUFACTURED FROM CONCRETE WITH A DESIGN CHEMICAL CLASS DC-4.
9. PIPES UP TO 300Ø SHOULD BE CONSTRUCTED OF U-PVC TYPE MATERIAL. PIPES >300Ø SHOULD BE CONSTRUCTED OF CONCRETE OR OTHER IN ACCORDANCE WITH SEWER SECTOR GUIDANCE.
10. WHERE INSTALLING PIPES SOFFIT TO SOFFIT BETWEEN DIFFERING PIPE SIZES WOULD CAUSE THE GRADIENT TO FALL BELOW THE MINIMUM DESIRABLE GRADIENT, I.E. 1:80 FOR A 100mm, THE PIPES SHOULD BE INSTALLED INVERT TO INVERT.
11. SVP's FOR WET ROOMS TO BE CAPPED AT FLOOR LEVEL TO PREVENT SMELL INGRESS UNLESS CONVERTED INTO WETROOM. ONLY APPLICABLE TO ACCESSIBLE PLOTS IN FLATS.
12. WHERE DRAINAGE PIPES FALL WITHIN TREE ROOT AREAS SHOWN, THESE ARE TO BE PROTECTED WITH A ROOT PROTECTION BARRIER AS SPECIFIED BY THE LANDSCAPE ARCHITECT
13. RWP/SVP LOCATIONS ARE SHOWN INDICATIVELY, REFER TO THE ARCHITECTS PLANS FOR SETTING OUR LOCATIONS. ARDENT TO BE CONTACTED IF RUNS ARE TO BE AMENDED MORE THAN 50mm DUE TO SETTING OUT POSITIONS.
14. ALL ABOVE GROUND DRAINAGE TO INCORPORATE RODDING ACCESS FACILITIES
15. ALL IRONWORK WITH THE HIGHWAY AND PROPOSED ACCESS ROAD TO BE 150mm THICK CLASS D400
16. ALL RWP CONNECTIONS, TAP GULLIES & HEAT SOURCE GULLIES TO BE RODABLE TO ALLOW FOR JETTING/ RODDING IN ACCORDANCE WITH AD PART H

2.0m
0.5m
0m
Scale: 1:50 Vert.

0m 2m 10m
Scale: 1:250 Horz. @ A0

Rev	Description	Drn	Chk	App	Date
P1	INITIAL ISSUE	JSH	AMC	AD	12.12.25

Purpose: PRELIMINARY

Status: NOT YET APPROVED

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Client: VISTRY SOUTHERN

Project Title: TROWE'S LANE, SWALLOWFIELD

Drawing Title: SECTION 104 DRAINAGE LONGSECTIONS - SHEET 4

Drawn by	Checked by	Approved by	Revision
JSH	AMC	AD	P1

Scale	Date
1:250@A0	12-12-25

Drawing Number: 2507070-ACE-XX-XX-DR-C-1224