

RD1

| CHAINAGE | 0.000 | 6.352 | 7.994 | 10.000 | 15.000 | 13.446 | 18.949 | HP 21.145 | 25.000 | 30.893 | 32.252 | 40.000 | 49.958 | 60.000 | 64.326 | 70.000 | 75.000 | 77.518 | 80.000 | 81.948 | 85.000 | 86.396 | 90.000 | 95.000 | 100.000 | 105.000 | 106.948 | 110.000 | 120.000 | 127.175 | 130.000 | 135.000 | 140.421 | 141.642 | 144.863 | LP 145.494 | 150.000 | 160.000 | 164.113 | 168.273 | 169.601 | 170.000 | 178.265 | 180.000 | 190.000 | 200.000 | 202.753 | 207.419 | 209.971 | 212.115 | 219.100 | 220.000 | 225.716 | 227.321 | 230.000 | 230.386 | 235.000 | 240.000 | 244.820 | 245.000 | 250.000 | 252.392 | 260.000 | 260.046 | 264.180 | 266.026 | 270.000 | 273.225 | 275.000 | 280.000 | 281.118 | 285.000 | 285.397 | 290.000 | HP 292.240 | 295.668 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXISTING GROUND LEVEL | 98.154 | | 97.879 | | | | 97.716 | | | 97.713 | | 97.702 | 97.680 | 97.588 | | 97.404 | | 97.257 | | | | | 97.022 | | 96.681 | | | 96.342 | | 95.944 | 95.574 | 95.200 | | | | 94.792 | | 94.447 | | 94.071 | | | 94.089 | | 94.412 | | 94.558 | | 94.608 | | 94.794 | | 95.150 | | 95.495 | | 95.898 | | 96.267 | | | 96.511 | | 96.953 | | | 97.465 | | 97.787 |
| ALIGNMENT LEVEL | 97.777 | | 97.858 | 97.897 | 97.930 | | 97.938 | 97.937 | 97.919 | 97.876 | 97.860 | 97.752 | 97.627 | 97.502 | | 97.377 | | 97.252 | 97.228 | 97.180 | | | 97.062 | 96.894 | 96.676 | 96.408 | 96.290 | 96.100 | | 95.475 | 95.026 | 94.862 | 94.631 | 94.478 | | 94.401 | 94.396 | 94.388 | 94.383 | | 94.707 | | 94.830 | | 94.954 | | 95.077 | | 95.200 | | 95.324 | | 95.447 | | 95.539 | 95.574 | 95.664 | 95.782 | 95.927 | 96.100 | 96.193 | 96.497 | 96.738 | 96.903 | 97.127 | 97.371 | 97.633 | 97.914 | 98.027 | 97.863 |
| VERTICAL ALIGNMENT | G= 1.270% 1: 78.8 | L= 25.000 KF= -9.92229 | | | G= -1.250% 1: -80.0 | | | | | L= 25.000 KF= -5.0 | | G= -6.250% 1: -16.0 | | | KF= 3.24893 L= 19.379 | | G= 8.046% 1:12.4 | G= 1.234% 1: 81.0 | | | | | | | | | | | | | | | | | | | | | | KF= 9.03954 L= 25.000 | | G= 4.000% 1: 25.0 | | KF= 13.28125 L= 25.000 | G= 5.882% 1:17.0 | |
| HORIZONTAL ALIGNMENT | | R= 23.000 | | R= 25.000 | | | R= 32.750 | | | | | | | | | | | | R= 6.000 | | | R= 16.500 | | | R= 14.000 | | R= 10.000 | | | R= 230.000 | | | | | R= 25.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LEFT HAND CHANNEL | 97.846 | 97.909 | 97.969 | 98.007 | 98.018 | 97.994 | 97.946 | 97.883 | 97.821 | 97.758 | 97.696 | 97.633 | 97.571 | 97.508 | 97.445 | 97.383 | 97.321 | 97.249 | 97.131 | 96.963 | 96.745 | 96.408 | 96.000 | 95.669 | 95.356 | 95.043 | 94.743 | 94.512 | 94.355 | 94.174 | 94.199 | 94.465 | 94.526 | 94.588 | 94.652 | 94.725 | 94.800 | 94.869 | 94.930 | 94.992 | 95.054 | 95.115 | 95.177 | 95.241 | 95.313 | 95.377 | 95.433 | 95.505 | 95.608 | 95.726 | 95.871 | 96.043 | 96.237 | 96.434 | 96.631 | 96.836 | 97.062 | 97.309 | 97.568 | 97.823 | 97.937 |
| RIGHT HAND CHANNEL | 97.708 | 97.772 | 97.831 | 97.869 | 97.881 | 97.857 | 97.809 | 97.746 | 97.683 | 97.621 | 97.558 | 97.496 | 97.433 | 97.371 | 97.308 | 97.246 | 97.183 | 97.111 | 96.993 | 96.825 | 96.607 | 96.408 | 96.168 | 95.856 | 95.543 | 95.231 | 94.931 | 94.700 | 94.546 | 94.442 | 94.439 | 94.635 | 94.696 | 94.758 | 94.823 | 94.896 | 94.971 | 95.039 | 95.100 | 95.162 | 95.224 | 95.285 | 95.347 | 95.417 | 95.493 | 95.558 | 95.611 | 95.681 | 95.778 | 95.896 | 96.041 | 96.213 | 96.407 | 96.604 | 96.801 | 97.006 | 97.232 | 97.479 | 97.739 | 98.005 | 98.108 |

STORMWATER COVER LEVELS AND DETAILS	Pipe 2.000 Dia 225 Circular CLAY 1 in 60 CLASS Z SURROUND 97.900	Pipe 1.002 Dia 225 Circular CLAY 1 in 87 97.850	Pipe 1.003 Dia 225 Circular CLAY 1 in 169 97.500	Pipe 1.004 Dia 225 Circular CLAY 1 in 21	Pipe 3.004 Dia 300 Circular CLAY 1 in 17 94.350 94.230	Pipe 3.003 Dia 300 Circular CLAY 1 in 58 94.750	Pipe 3.002 Dia 300 Circular CLAY 1 in 80 95.240	Pipe 3.001 Dia 225 Circular CLAY 1 in 77 95.380	Pipe 3.000 Dia 150 Circular CLAY 1 in 34 CLASS Z SURROUND 97.050
STORMWATER LENGTHS AND INVERT LEVELS	19.109 96.470	17.305 96.270	33.780 96.070	78.527 92.405	92.230 6.653 92.730	30.197 93.250	39.001 93.740	10.405 93.815 93.950	56.266 95.700
FOULWATER COVER LEVELS AND DETAILS	97.280	Pipe 2.000 Dia 100 Circular CLAY 1 in 21	Pipe 1.004 Dia 150 Circular CLAY 1 in 17 94.440	94.300	Pipe 1.003 Dia 150 Circular CLAY 1 in 49 94.780	Pipe 1.002 Dia 150 Circular CLAY 1 in 72 95.230	Pipe 1.001 Dia 150 Circular CLAY 1 in 72 95.450	Pipe 1.000 Dia 100 Circular CLAY 1 in 36 96.540	
FOULWATER LENGTHS AND INVERT LEVELS	95.130	65.361	92.050 92.000	92.430 7.342 92.430	25.264 92.950	34.654 92.950 93.430	15.744 93.430 93.650	40.650 93.700 94.840	

KEY

- PROPOSED GROUND PROFILE
- EXISTING GROUND PROFILE
- PROPOSED FOUL SEWER
- PROPOSED SURFACE WATER DRAINAGE
- LEFT CHANNEL
- RIGHT CHANNEL
- PROPOSED RISING MAIN

NOTES

1. PIPE BEDDING AND SURROUND TO BE CLASS S UNLESS OTHERWISE STATED ON PIPE DETAILS WITHIN PROFILE ANNNOATIONS.

REV.	DESCRIPTION	Date	BY	CHK
E	DRAWING TITLE AMENDED	13/08/25	SMR	BJS
D	RAISED TABLE AND RAMP SHOWN. MANHOLES F7A AND F12A ADDED, WITH MINOR AMENDMENTS TO SURROUNDING PIPEWORK INCLUDING MANHOLES F8 AND F12-14 MOVED. SW PIPES 2.000, 1.002 AND 1.003 AMENDED TO 225Ø. S12 AND S13 MOVED SLIGHTLY WITH MINOR AMENDMENTS TO SURROUNDING PIPEWORK.	26/02/25	AW	SMR
C	FOUL SEWER DIAMETERS AND GRADIENTS REVISED	22/01/25	SMR	BJS
B	REVISED TO SUIT NEW SITE LAYOUT AND PUMPING STATION DESIGN	06/12/24	SMR	BJS
A	FIRST ISSUE	04/10/24	SMR	BJS

DESIGN BY: tumu

CLIENT: Vistry Group — Bovis Homes, Linden Homes, Countryside Homes, Countryside Partnerships

ARCHITECT: GCP

DRAWING STATUS: FOR TECHNICAL APPROVAL

SCALE @ A1: 0 1:500 25 metres

PROJECT: LAND AT THE STREET, HULLAVINGTON

TITLE: HIGHWAY AND DRAINAGE PROFILES SHEET 1

PROJECT No:	DRAWING No:	REV:
19700	H06	E