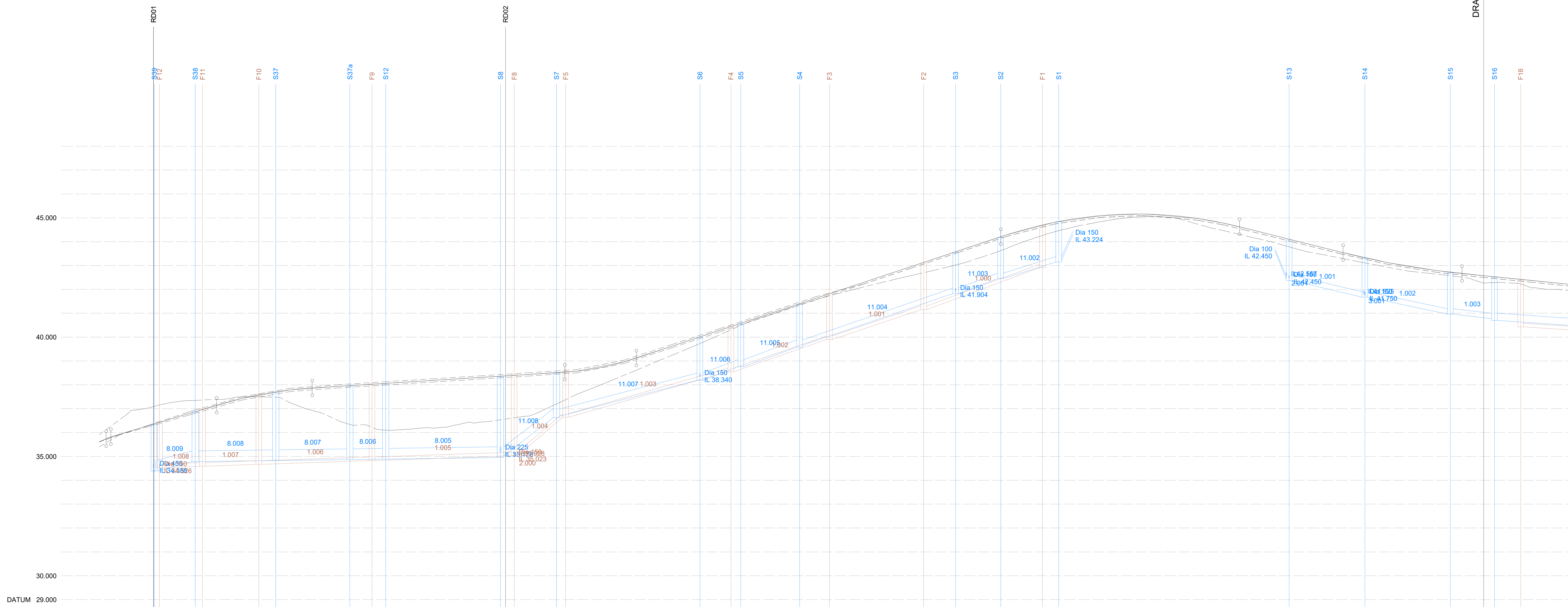


RD01

Band	Values
CHAINAGE	0.000, 1.428, 2.428, 4.211, 5.264, 11.381, 12.612, 16.809, 18.615, 20.096, 20.660, 24.581, 28.994, 30.863, 33.421, 35.081, 36.962, 40.000, 44.581, 50.000, 52.359, 57.121, 60.000, 64.973, 70.000, 80.000, 84.049, 85.097, 86.923, 87.871, 90.000, 93.834, 95.777, 97.504, 99.776, 100.000, 107.278, 110.000, 112.504, 120.000, 123.071, 125.817, 127.706, 130.000, 132.319, 131.361, 134.379, 140.000, 146.707, 150.000, 152.960, 160.000, 164.114, 169.935, 170.000, 172.692, 179.375, 180.000, 188.505, 188.855, 196.035, 197.584, 200.000, 200.976, 210.000, 210.224, 214.107, 215.120, 217.414, 220.000, 230.000, 235.584, 238.841, 238.855, 249.250, 250.000, 260.552, 260.691, 265.115, 270.000, 275.026, 280.000, 283.012, 285.466, 290.000, 292.273, 291.151, 296.268, 297.748, 300.000, 305.503
EXISTING GROUND LEVEL	35.911, 37.019, 37.346, 37.495, 37.250, 36.511, 36.098, 36.185, 36.438, 36.694, 37.600, 38.407, 39.242, 40.097, 40.905, 41.562, 42.100, 42.575, 43.053, 43.712, 44.411, 44.847, 45.060, 44.746, 44.252, 43.742, 43.312, 42.927, 42.644, 42.268, 42.070
ALIGNMENT LEVEL	35.614, 35.745, 35.820, 36.273, 36.872, 37.146, 37.435, 37.787, 37.869, 37.937, 38.062, 38.187, 38.312, 38.437, 38.530, 38.573, 38.968, 39.124, 39.623, 40.289, 40.955, 41.621, 42.287, 42.953, 43.619, 44.209, 44.283, 44.806, 45.096, 45.160, 45.152, 44.975, 44.624, 44.566, 44.066, 43.566, 43.539, 43.120, 42.794, 42.667, 42.576, 42.376
VERTICAL ALIGNMENT	G= L= 9.13 10.000 1 KF= -0.131776; G= 5.983% 1: 16.7; L= 20.000 KF= -4.22607; G= 1.250% 1: 80.0; KF= 2.77264 L= 15.000; G= 6.660% 1: 15.0; L= 50.000 KF= -4.28816; G= -5.000% 1: -20.0; KF= 8.31026 L= 24.914; G= -2.002% 1: -49.9
HORIZONTAL ALIGNMENT	R= 10.000; R= 25.000; R= 25.000; R= 20.000; R= 50.000; R= 50.000; R= 100.000; R= 75.000; R= 75.000; R= 75.000; R= 20.000; R= 12.500; R= 75.000; R= 12.500; R= 100.000
LEFT HAND CHANNEL	35.602, 35.903, 36.226, 36.720, 36.803, 37.366, 37.718, 37.868, 37.993, 38.118, 38.243, 38.368, 38.504, 38.899, 39.554, 40.220, 40.886, 41.552, 42.218, 42.884, 43.550, 44.215, 44.737, 45.027, 45.090, 45.082, 44.902, 44.700, 44.491, 43.991, 43.491, 43.045, 42.719, 42.501, 42.301
RIGHT HAND CHANNEL	35.399, 35.896, 36.288, 36.857, 36.940, 37.504, 37.856, 38.005, 38.130, 38.255, 38.380, 38.505, 38.642, 39.037, 39.692, 40.358, 41.024, 41.690, 42.218, 42.884, 43.550, 44.215, 44.737, 45.027, 45.090, 45.082, 44.902, 44.700, 44.491, 43.991, 43.491, 43.045, 42.719, 42.501, 42.301
STORMWATER COVER LEVEL	36.338; Pipe 8.009 Dia 450 Circular CONC 1 in 20; 36.860; Pipe 8.008 Dia 450 Circular CONC 1 in 375; 37.696; Pipe 8.007 Dia 450 Circular CONC 1 in 375; 37.945; Pipe 8.006 Dia 450 Circular CONC 1 in 375; 38.029; Pipe 8.005 Dia 450 Circular CONC 1 in 375; 38.337; Pipe 11.008 Dia 375 Circular CONC 1 in 7; 38.487; Pipe 11.007 Dia 300 Circular CLAY 1 in 20; 39.990; Pipe 11.006 Dia 300 Circular CLAY 1 in 15; 40.366; Pipe 11.005 Dia 300 Circular CLAY 1 in 15; 41.378; Pipe 11.004 Dia 225 Circular CLAY 1 in 15; 43.554; Pipe 11.003 Dia 225 Circular CLAY 1 in 15; 44.183; Pipe 11.002 Dia 225 Circular CLAY 1 in 18; 44.838; 44.077; Pipe 1.001 Dia 225 Circular CLAY 1 in 23; 43.306; Pipe 1.002 Dia 225 Circular CLAY 1 in 25; 42.695; Pipe 1.003 Dia 225 Circular CLAY 1 in 51; 42.505; Ci
STORMWATER INVERT	34.388, 7.803, 34.781, 34.781, 16.374, 34.825, 34.825, 15.625, 34.867, 34.867, 7.892, 34.888, 34.888, 24.324, 34.953, 35.028, 11.607, 36.625, 36.687, 29.886, 38.190, 38.190, 8.617, 38.756, 38.756, 12.470, 39.579, 39.654, 32.691, 41.829, 41.829, 9.333, 42.458, 42.458, 12.192, 43.149, 42.375, 15.991, 41.675, 41.675, 18.090, 40.965, 40.965, 9.696, 40.775, 40.700
FOULWATER COVER LEVEL	36.448; Pipe 1.008 Dia 150 Circular CLAY 1 in 151; 36.998; Pipe 1.007 Dia 150 Circular CLAY 1 in 150; 37.611; Pipe 1.006 Dia 150 Circular CLAY 1 in 150; 38.037; Pipe 1.005 Dia 150 Circular CLAY 1 in 150; 38.416; Pipe 1.004 Dia 150 Circular CLAY 1 in 7; 38.558; Pipe 1.003 Dia 150 Circular CLAY 1 in 18; 40.464; Pipe 1.002 Dia 150 Circular CLAY 1 in 15; 41.828; Pipe 1.001 Dia 150 Circular CLAY 1 in 16; 43.108; Pipe 1.000 Dia 150 Circular CLAY 1 in 14; 44.678; 42.391
FOULWATER INVERT	34.526, 9.522, 34.589, 34.589, 12.168, 34.670, 34.670, 23.504, 34.827, 34.827, 29.456, 35.023, 35.023, 10.865, 36.640, 36.640, 34.682, 38.550, 38.550, 20.327, 39.900, 39.900, 19.600, 41.150, 41.150, 25.011, 42.910, 40.430

ROAD1 & DRAINAGE LONGITUDINAL SECTION

SCALE 1:100 VERT - 1:500 HORZ

General Drainage Notes:

1. The planning, design and construction of sewers shall be in accordance with Sewers Sector Guidance Appendix C; Design and Construction Guidance, the Civil Engineering Specification for the Water Industry 7th Edition and Southern Water amendments to CESWI.
2. All Adoptable sewers within adoptable highway with less than 1.2m cover to have reinforced concrete slab protection. All Adoptable sewers within grassed areas with cover less than 0.9m to have reinforced concrete slab protection. All areas with greater cover than the minimum required to have type S bed and surround.
3. Sealed and lockable covers to be supplied where specified on manhole schedule.
4. Use of this drawing does not absolve the client from his responsibilities under the Health and Safety: The Construction Design and Management Regulations 2015. The Principal Designer is required to contact Hydrock Consultants prior to permitting this drawing to be used in connection with any construction works.
5. All private drainage to comply with current Building Regulations, BS EN-752 Drain and Sewer systems outside Buildings and other relevant British Standards and Codes of Practices.
6. All sewers to be laid soffit to soffit unless otherwise shown.
7. It is the Contractors responsibility to locate existing services on site accurately.
8. The Contractor should comply with hs(g) 47 "Avoiding Danger from Underground Services" when excavating around existing services.
9. The Contractor is to verify the line, level and diameter of existing sewers before commencing drainage works.
10. All levels are to OS datum.
11. Compliance with Health & Safety matters on any trench/manhole is obligatory and a permit to enter a confined space is required when connecting site drainage to the existing public sewerage system. A permit to enter a confined space will be obtained from Southern Water Ltd prior to the works commencing on any public sewerage system.
12. Proposed adoptable sewers are only permitted to have other sewer/gully connections and other services laid at an angle of between 45° and 90° across the line with a vertical clearance in excess of 300mm.
13. Where sewers are to be constructed inside the restricted tree root zone a suitable tree root protection barrier is to be installed to Southern Water's specification.
14. Refer to Section 104 drawing for a full set of construction specification notes.

Highway Notes:

1. All Works are to be constructed in accordance with Hampshire County Council and the Highways Agency's Specification for Highway Works (SHW) March 1998 as amended published by The Stationary Office
2. All levels relate to the survey which is to Ordnance datum. Dimensions not to be scaled.
3. Street lighting, illuminated traffic signs, bollards and associated works shall comply with Hampshire County Council 'Specification for Street Lighting'.
4. Use of this drawing does not absolve the client from his responsibilities under the Health and Safety: The Construction Design and Management Regulations 2015. The Principal Designer is required to contact Hydrock Consultants prior to permitting this drawing to be used in connection with any construction works.
5. This drawing is based on the latest Architects design layout received.
6. All works shown have been designed in accordance with Building Regs Part M, Manual for Streets and Hampshire County Council's Highway Design Guidance.
7. All works shown are designed to minimize works required adjacent to existing Trees.

Key

Proposed Ground Profile.

Existing ground profile.

REVISIONS

Rev	Date	Description	By	Ckd	App
C02	01/10/24	Issued for construction approval.	MT	JAC	JAC
C01	06/09/23	Updated to construction issue.	JL	GH	-
P05	29/08/23	Road 1 vertical alignment amended	GH	GH	-
P04	06/07/23	Drainage strategy updated to reflect one outfall point located at the south west of the site.	JL	GH	GH
P03	27/03/23	Updated long sections.	JL	GH	GH
P02	04/01/23	Updated long sections.	JL	GH	GH
P01	07/10/22	First Issue.	JL	JT	JC

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CLIENT
FOREMAN HOMES

PROJECT
LAND OFF MISERY LANE
PROVIDENCE HILL, BURSLEDON
SOUTHAMPTON

TITLE
LONG SECTIONS
SHEET 1 OF 5

HYDROCK PROJECT NO.	SCALE @ A1
C-21627-C	1:100 V, 1:500 H

STATUS DESCRIPTION	STATUS
FOR APPROVAL	S4

DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)	REVISION
21627-HYD-XX-XX-DR-C-0200	C02