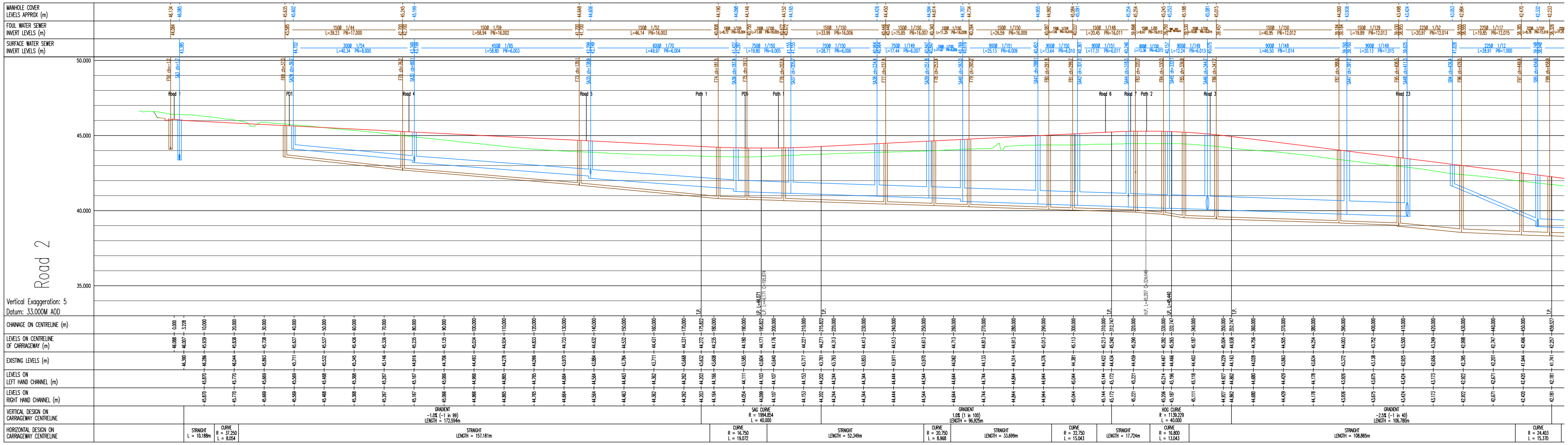
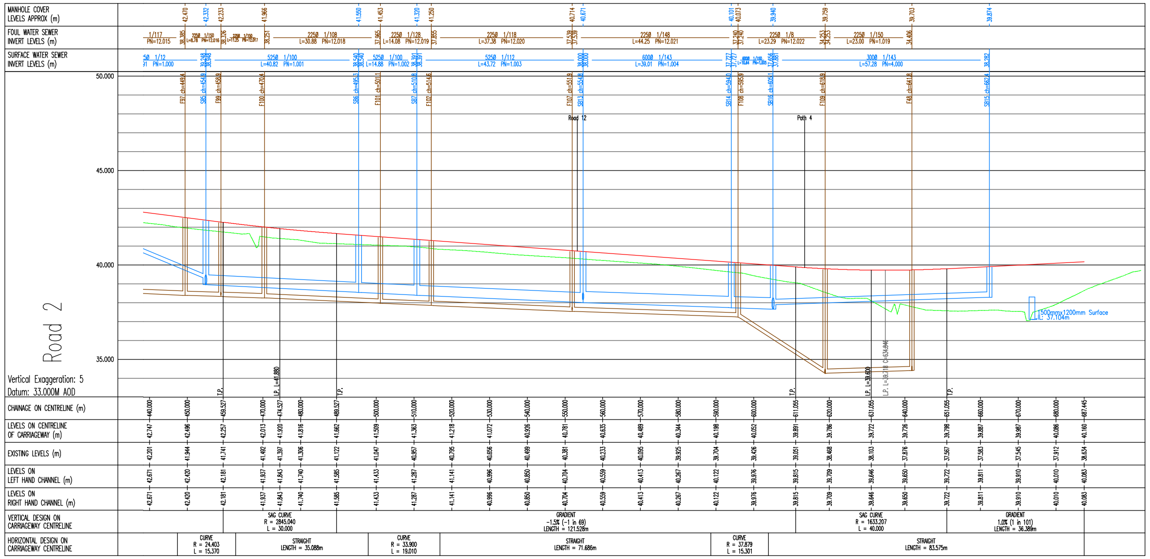

MANHOLE COVER LEVELS APPROX (m)
FOUL WATER SEWER INVERT LEVELS (m)
SURFACE WATER SEWER INVERT LEVELS (m)
50.000
45.000
40.000
35.000
Road 2
Vertical Exaggeration: 5
Datum: 33.000M AOD
Road 1
PD1
Road 4
Road 5
Path 1
PD5
Path
Road 6
Road 7
Path 2
Road 3
Road 23
CHAINAGE ON CENTRELINE (m)
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)
EXISTING LEVELS (m)
LEVELS ON LEFT HAND CHANNEL (m)
LEVELS ON RIGHT HAND CHANNEL (m)
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE
GRADIENT -1.0% (-1 in 99) LENGTH = 172.594m
SAG CURVE R = 1994.854 L = 40.000
GRADIENT 1.0% (1 in 100) LENGTH = 96.925m
HOG CURVE R = 1139.229 L = 40.000
GRADIENT -2.5% (-1 in 40) LENGTH = 106.780m
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE
STRAIGHT L = 10.188m
CURVE R = 37.250 L = 8.054
STRAIGHT LENGTH = 157.181m
CURVE R = 16.750 L = 19.072
STRAIGHT LENGTH = 52.349m
CURVE R = 20.750 L = 8.968
STRAIGHT LENGTH = 33.699m
CURVE R = 22.750 L = 15.043
STRAIGHT LENGTH = 17.724m
CURVE R = 16.800 L = 13.043
STRAIGHT LENGTH = 108.865m
CURVE R = 24.403 L = 15.370


MANHOLE COVER LEVELS APPROX (m)
FOUL WATER SEWER INVERT LEVELS (m)
SURFACE WATER SEWER INVERT LEVELS (m)
50.000
45.000
40.000
35.000
Road 2
Vertical Exaggeration: 5
Datum: 33.000M AOD
Road 12
Path 4
1500mmx1200mm Surface
CHAINAGE ON CENTRELINE (m)
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)
EXISTING LEVELS (m)
LEVELS ON LEFT HAND CHANNEL (m)
LEVELS ON RIGHT HAND CHANNEL (m)
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE
SAG CURVE R = 2845.040 L = 30.000
GRADIENT -1.5% (-1 in 69) LENGTH = 121.528m
SAG CURVE R = 1633.207 L = 40.000
GRADIENT 1.0% (1 in 101) LENGTH = 36.389m
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE
CURVE R = 24.403 L = 15.370
STRAIGHT LENGTH = 35.088m
CURVE R = 33.900 L = 19.010
STRAIGHT LENGTH = 71.686m
CURVE R = 37.879 L = 15.301
STRAIGHT LENGTH = 83.575m

NOTES

1. All works to be adopted under a Section 104 Agreement shall be carried out in accordance with 'Sewers for Adoption' 6th Edition & Wessex Water's requirements
2. All works to be adopted under a Section 38 Agreement shall be carried out in accordance with the Wiltshire County Council Design Guide.
3. Do Not Scale
4. This drawing is to be read in conjunction with and checked against all other drawings, Engineering Details, specification and any structural, geotechnical or other specialist document provided.
5. A +1% gradient represents a rise of 1m in 100m
6. Left and Right hand channels are on the left and right side respectively, when standing at Chainage Zero and looking along the road.
7. Pipe sizes are shown in millimetres and levels shown in metres AOD.
8. All pipes to have flexible joints with granular bed and surround (Class S having a min of 150mm granular bed and sidefill with 300mm min above pipe) unless otherwise stated. Where cover under roads or vehicular access areas is less than 1200mm a concrete surround should be used in accordance with Wessex Water details
9. All pipe runs connecting to pipes including connections to existing sewers are to be Soffit to Soffit, unless otherwise noted.
10. All pipe runs connecting to culverts are to be invert to invert, unless otherwise noted.
11. All pipes to be either:
    a. Vitrified Clay pipes to EN295-1 with pipe dia crushing strength / class no. as follows:-
       100mm - 40 kN/m / n/a
       150mm - 40 kN/m / n/a
       225mm - 45 kN/m / Class 200
       300mm - 72 kN/m / Class 240
    b. Concrete pipes to BS5911 Class 120.
12. This drawing is to be read in conjunction with ARUP's H6 & H4 Infrastructure Plan, drawing reference 53949-51 / CX-103-02

0 10 20 30 40 50
SCALE 1:500 (A0) METRES

Revision:

Project: Blackmore Farm
Melksham

Client: DAVID WILSON HOMES
WHERE QUALITY LIVES

Drawing: Proposed Highway Longsections

Scale: 1:500 @ A0
Date: December 2025
Drawn by: NL

Drawing No: 10466 - 102 - 02
Rev:

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Drg.Status: PLANNING