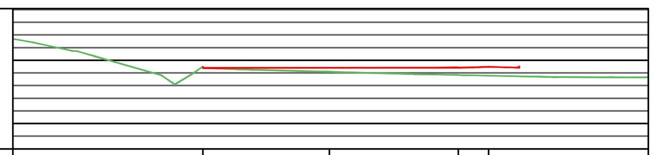
Road 10

55.000
50.000



Datum: 48.000M AOD

CHAINAGE ON CENTRELINE (m)	0.000, 10.000, 20.175, 22.575
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	54.399, 54.406, 54.412, 54.472
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	GRADIENT 0.067% (1 in 1499.173) LENGTH = 20.175m
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	STRAIGHT LENGTH = 20.175m
EXISTING LEVELS (m)	54.399, 54.288, 54.077, 53.906, 53.830

Road 11

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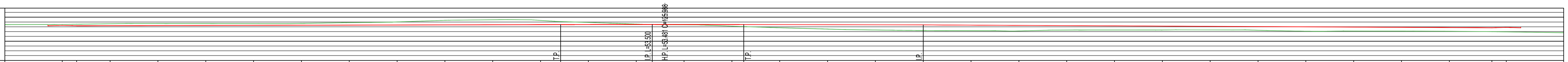

Datum: 46.000M AOD

CHAINAGE ON CENTRELINE (m)	0.000, 3.000, 10.000, 20.000, 30.000, 40.000, 50.000, 60.000, 70.000, 80.000, 90.000, 100.000, 104.187, 110.000, 120.000, 123.337, 130.000, 140.000, 142.487, 150.000, 160.000, 170.000, 180.004, 190.000, 200.000, 210.000, 220.000, 230.000, 240.000, 250.000, 260.000, 270.000, 280.000, 290.000, 298.905, 301.905
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	53.294, 53.219, 53.236, 53.259, 53.282, 53.306, 53.329, 53.352, 53.376, 53.399, 53.422, 53.446, 53.455, 53.467, 53.479, 53.480, 53.480, 53.470, 53.466, 53.453, 53.435, 53.418, 53.400, 53.349, 53.299, 53.248, 53.198, 53.147, 53.097, 53.046, 52.995, 52.945, 52.894, 52.844, 52.799, 52.874
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	GRADIENT 0.233% (1 in 428.835) LENGTH = 101.187m; HOG CURVE R = 9349.184 L = 38.300; GRADIENT -0.176% (-1 in 566.664) LENGTH = 37.516m; GRADIENT -0.506% (-1 in 197.719) LENGTH = 118.901m
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	STRAIGHT LENGTH = 111.329m; CURVE R = 6.800 L = 10.684; STRAIGHT LENGTH = 48.776m; CURVE R = 6.900 L = 10.830; STRAIGHT LENGTH = 74.792m; R = 12.200 L = 5.122; STRAIGHT LENGTH = 34.372m
EXISTING LEVELS (m)	53.531, 53.693, 53.680, 53.690, 53.661, 53.670, 53.712, 53.850, 53.889, 53.959, 54.372, 54.495, 54.462, 54.132, 53.822, 53.763, 53.720, 53.673, 53.625, 53.577, 53.502, 53.479, 53.463, 53.430, 53.407, 53.020, 52.864, 52.521, 52.414, 52.285, 52.269, 52.254, 52.241, 52.229, 52.225, 52.218, 52.212, 52.216, 52.208, 52.178, 52.109, 52.316, 52.339, 52.335, 52.340, 52.363, 52.344, 52.347, 52.225, 52.092, 52.073, 52.063, 52.057, 52.116, 52.104, 52.100, 52.072, 52.003, 51.995

Road 12

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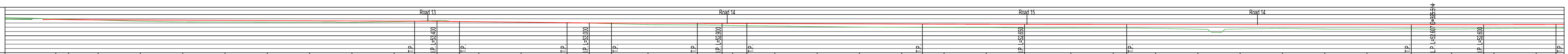
50.000



Datum: 46.000M AOD

CHAINAGE ON CENTRELINE (m)	0.000, 3.000, 10.000, 20.000, 30.000, 40.000, 50.000, 60.000, 70.000, 80.000, 84.823, 90.123, 95.423, 100.000, 110.000, 120.867, 126.117, 131.367, 140.000, 151.671, 157.521, 160.000, 163.371, 170.000, 180.000, 190.000, 200.000, 204.882, 210.000, 220.000, 229.032, 240.000, 250.000, 253.182, 260.000, 270.000, 280.000, 290.000, 300.000, 310.000, 320.473, 330.000, 337.573, 340.000, 350.000, 354.673
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	53.852, 53.777, 53.747, 53.703, 53.660, 53.617, 53.574, 53.531, 53.487, 53.444, 53.423, 53.391, 53.341, 53.291, 53.179, 53.058, 53.010, 52.983, 52.956, 52.919, 52.900, 52.891, 52.880, 52.856, 52.821, 52.786, 52.751, 52.734, 52.717, 52.689, 52.668, 52.650, 52.641, 52.639, 52.636, 52.631, 52.627, 52.622, 52.617, 52.613, 52.608, 52.608, 52.613, 52.616, 52.634, 52.646
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	GRADIENT -0.432% (-1 in 231.443) LENGTH = 81.823m; HOG CURVE R = 1557.960 L = 10.600; GRADIENT -1.112% (-1 in 89.892) LENGTH = 25.444m; SAG CURVE R = 1322.384 L = 10.500; GRADIENT -0.318% (-1 in 314.042) LENGTH = 20.304m; HOG CURVE R = 37538.129 L = 11.700; GRADIENT -0.350% (-1 in 286.044) LENGTH = 41.511m; SAG CURVE R = 15912.689 L = 48.300; GRADIENT -0.046% (-1 in 2170.812) LENGTH = 67.291m; SAG CURVE R = 10944.404 L = 34.200
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	STRAIGHT LENGTH = 13.103m; CURVE R = 7.400 L = 11.608; STRAIGHT LENGTH = 33.551m; CURVE R = 8.700 L = 13.375; STRAIGHT L = 8.014m; CURVE R = 8.400 L = 13.174; STRAIGHT LENGTH = 57.017m; CURVE R = 7.300 L = 11.519; STRAIGHT LENGTH = 59.812m; CURVE R = 7.100 L = 11.186; STRAIGHT LENGTH = 94.579m; CURVE R = 8.900 L = 13.940
EXISTING LEVELS (m)	53.887, 53.614, 53.517, 53.457, 53.435, 53.412, 53.387, 53.362, 53.337, 53.313, 53.291, 53.272, 53.279, 53.253, 53.232, 53.224, 53.214, 53.214, 53.227, 53.218, 53.155, 53.150, 53.154, 53.155, 53.176, 53.196, 53.222, 53.251, 53.370, 53.413, 53.451, 53.484, 53.512, 53.537, 53.542, 53.362, 53.363, 53.329, 53.258, 53.207, 53.013, 53.002, 52.611, 52.605, 52.523, 52.511, 52.506, 52.501, 52.454, 52.423, 52.393, 52.367, 52.346, 52.330, 52.288, 52.228, 52.190, 52.052, 52.000, 51.944, 51.937, 51.914, 51.876, 51.856, 51.836, 51.815, 51.785, 51.782, 51.781, 51.782, 51.785, 51.804, 51.788, 51.771, 51.688, 51.508, 50.797, 50.760, 51.540, 51.711, 51.547, 51.545, 51.538, 51.618, 51.565, 51.590, 51.595, 51.612, 51.626, 51.639, 51.654, 51.679, 51.688, 51.699, 51.712, 51.727, 51.744, 51.751

Road 12

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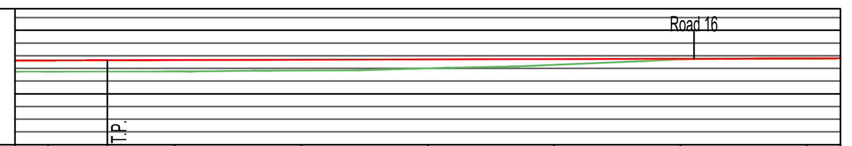
50.000



Datum: 46.000M AOD

CHAINAGE ON CENTRELINE (m)	350.000, 354.673, 360.000, 370.000, 380.000, 390.000, 400.000, 410.000, 412.641
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	52.634, 52.646, 52.660, 52.686, 52.713, 52.740, 52.766, 52.793, 52.800
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	GRADIENT 0.266% (1 in 375.343) LENGTH = 57.969m
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	STRAIGHT LENGTH = 68.764m
EXISTING LEVELS (m)	51.751, 51.765, 51.817, 51.840, 52.054, 52.161, 52.562, 52.701, 52.745, 52.753

Road 13

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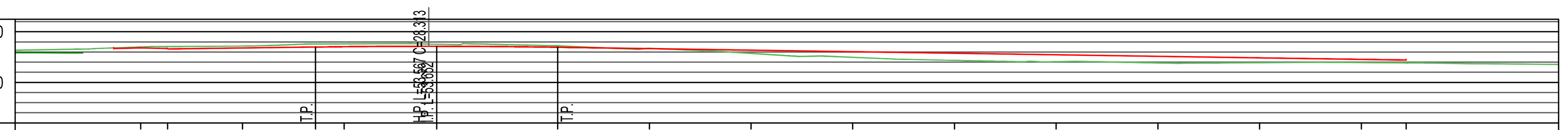
50.000



Datum: 46.000M AOD

CHAINAGE ON CENTRELINE (m)	0.000, 2.650, 10.000, 17.192, 20.000, 29.092, 40.992, 50.000, 60.000, 70.000, 80.000, 90.000, 100.000, 110.000, 120.000, 124.400
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	53.407, 53.299, 53.397, 53.493, 53.526, 53.567, 53.471, 53.334, 53.181, 53.029, 52.876, 52.724, 52.572, 52.419, 52.267, 52.200
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	GRADIENT 1.337% (1 in 74.818) LENGTH = 14.542m; HOG CURVE R = 832.117 L = 23.800; GRADIENT -1.524% (-1 in 65.634) LENGTH = 83.408m
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	STRAIGHT LENGTH = 78.303m; CURVE R = 5.500 L = 8.652; STRAIGHT LENGTH = 34.795m
EXISTING LEVELS (m)	53.541, 53.591, 53.637, 53.796, 53.837, 53.779, 53.735, 53.832, 53.599, 53.267, 53.362, 53.049, 52.566, 52.600, 52.299, 52.150, 52.122, 52.081, 52.028, 52.090, 52.023, 52.084, 51.889, 51.898, 51.983, 51.936

Road 14

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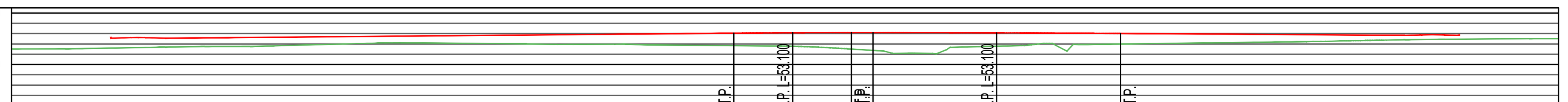
50.000

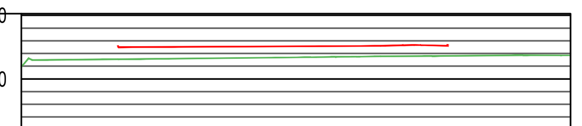


Datum: 46.000M AOD

CHAINAGE ON CENTRELINE (m)	0.000, 2.650, 10.000, 20.000, 30.000, 40.000, 50.000, 58.250, 64.000, 69.750, 71.851, 80.000, 83.951, 90.000, 96.051, 100.000, 110.000, 120.000, 123.871, 126.521
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	52.625, 52.558, 52.623, 52.712, 52.800, 52.888, 52.976, 53.049, 53.087, 53.100, 53.100, 53.091, 53.079, 53.054, 53.018, 52.991, 52.923, 52.855, 52.829, 52.895
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	GRADIENT 0.883% (1 in 113.272) LENGTH = 55.600m; HOG CURVE R = 1302.625 L = 11.500; G = Flat; HOG CURVE R = 3567.203 L = 24.200; GRADIENT -0.678% (-1 in 147.405) LENGTH = 27.820m
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	STRAIGHT LENGTH = 60.135m; CURVE R = 5.700 L = 6.587; STRAIGHT LENGTH = 17.008m; R = 8.000 L = 3.371; STRAIGHT LENGTH = 28.244m; R = 8.400 L = 3.718; L = 2.16m
EXISTING LEVELS (m)	51.685, 51.750, 51.753, 52.100, 52.106, 51.998, 51.952, 51.960, 51.976, 51.988, 51.895, 51.788, 51.787, 51.747, 51.696, 51.630, 51.552, 51.082, 51.093, 51.089, 51.077, 51.660, 51.842, 51.829, 52.053, 52.041, 51.297, 52.222, 52.236, 52.244, 52.294, 52.325, 52.353, 52.375, 52.407

Road 15

55.000
50.000

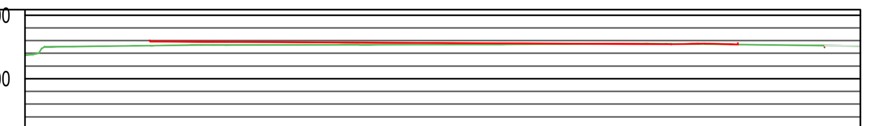


Datum: 46.000M AOD

CHAINAGE ON CENTRELINE (m)	0.000, 10.000, 20.712, 23.362
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	52.500, 52.544, 52.592, 52.667
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	GRADIENT 0.444% (1 in 225.047) LENGTH = 20.712m
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	STRAIGHT LENGTH = 20.712m
EXISTING LEVELS (m)	51.550, 51.706, 51.735, 51.748, 51.776

Road 16

55.000
50.000

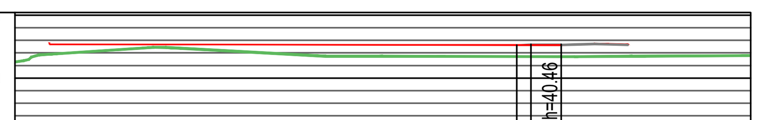


Datum: 46.000M AOD

CHAINAGE ON CENTRELINE (m)	0.000, 10.000, 20.000, 30.000, 41.183, 43.833
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	52.920, 52.872, 52.823, 52.775, 52.721, 52.769
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	GRADIENT -0.483% (-1 in 207.172) LENGTH = 41.183m
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	STRAIGHT LENGTH = 41.183m
EXISTING LEVELS (m)	52.602, 52.648, 52.651, 52.680, 52.686, 52.752, 52.749

Road 17

55.000
50.000



Datum: 46.000M AOD

CHAINAGE ON CENTRELINE (m)	0.000, 10.000, 20.000, 30.000, 40.463, 43.113
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	52.683, 52.666, 52.649, 52.632, 52.614, 52.663
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	GRADIENT -0.2% (-1 in 583) LENGTH = 40.463m
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	STRAIGHT LENGTH = 40.463m
EXISTING LEVELS (m)	51.888, 52.436, 52.428, 51.727, 51.727, 51.721, 51.702

Note:
Please refer to drawing 19074-P-504 for a typical road cross section showing the proposed road build-up, kerb and roadside footpath details.

LEGEND

Existing Ground Level

Road Centre line Levels

Issue	Description	Date	Drn	Ckd
B	Issued for planning	03.03.22	IR	MW
A	Issued for pre-planning	22.01.21	IR	MW

walsh design group

The Mall,
Maryborough Woods,
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Tel. 021-4774940
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Title:	Road Longitudinal Sections Sheet 2 of 2
Client:	Cumnor Construction Ltd.
Project:	Proposed Residential Development, Coolcarron, Fermoy, Co. Cork
Drg. No:	19074-P-301-2
Date:	Jan 2021
Drawn by:	IR
Scale:	1:500
Status:	Planning

B

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