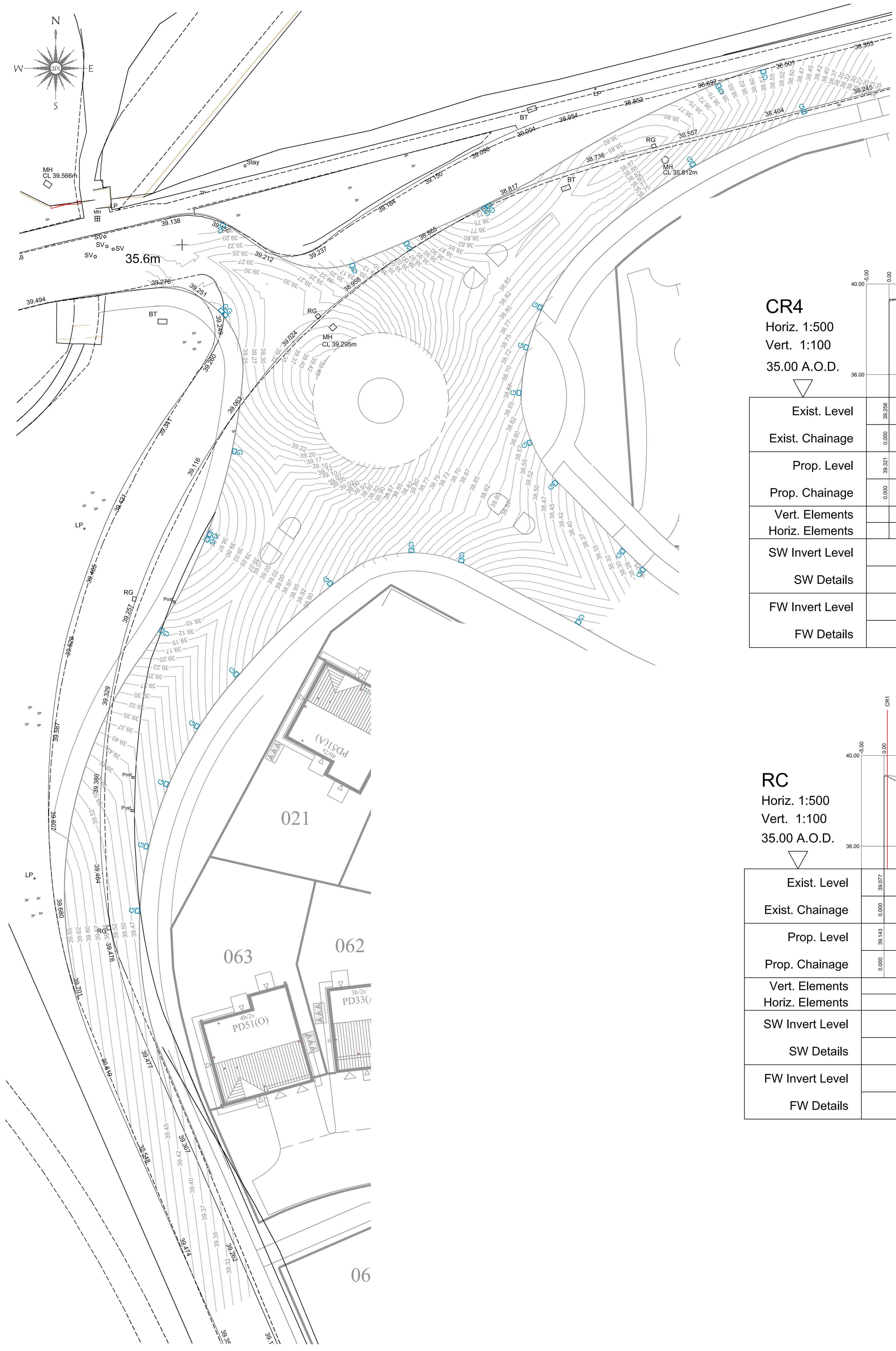
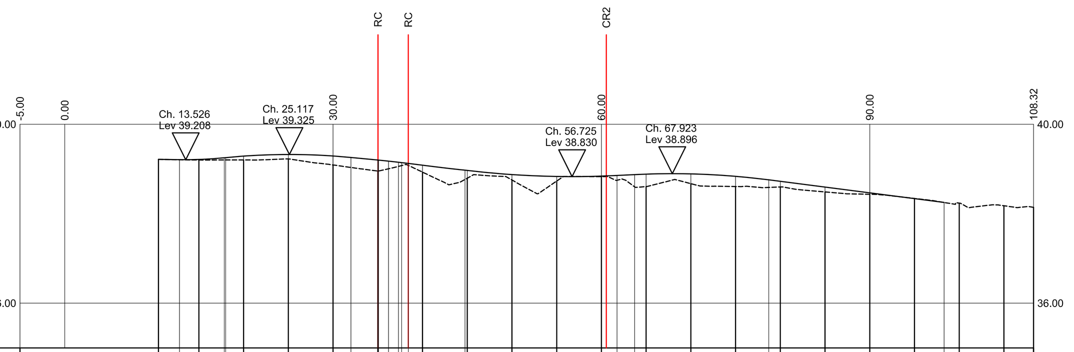


CR1

Horiz. 1:500
Vert. 1:100
35.00 A.O.D.



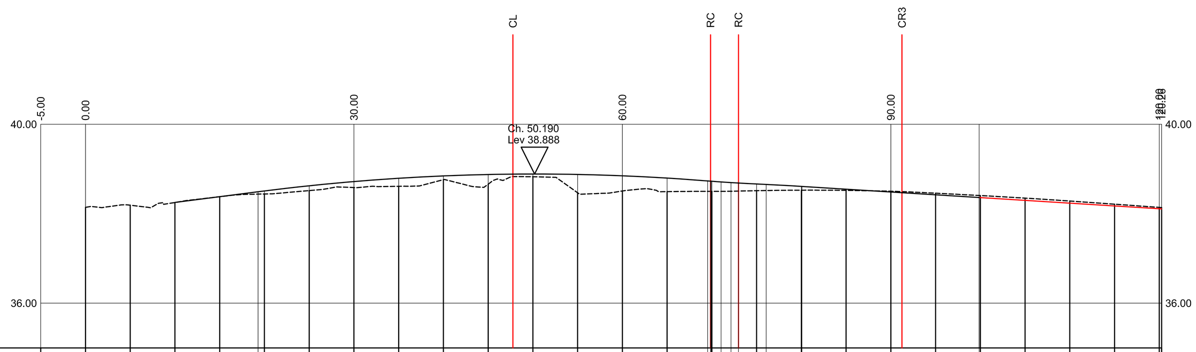
Exist. Chainage	Exist. Level
10.482	39.216
15.000	39.202
20.000	39.202
25.000	39.227
30.000	39.091
35.000	38.957
40.000	38.931
45.000	38.794
50.000	38.755
55.000	38.730
60.000	38.830
65.000	38.607
70.000	38.673
75.000	38.609
80.000	38.598
85.000	38.488
90.000	38.435
95.000	38.341
100.000	38.238
105.000	38.179
108.316	38.143

Prop. Chainage	Prop. Level
10.482	39.216
12.833	39.209
15.000	39.213
17.833	39.251
[illegible]	[illegible]
25.000	39.325
30.000	39.292
32.002	39.259
35.000	39.201
[illegible]	[illegible]
44.755	38.973
45.000	38.967
50.000	38.875
55.000	38.833
60.000	38.841
61.745	38.855
63.712	38.875
65.000	38.886
70.000	38.891
75.000	38.837
78.714	38.757
80.000	38.724
85.000	38.595
90.000	38.466
95.000	38.337
98.316	38.252

Rows: Vert. Elements / Horiz. Elements / SW Invert Level / SW Details / FW Invert Level / FW Details

CR2

Horiz. 1:500
Vert. 1:100
35.00 A.O.D.



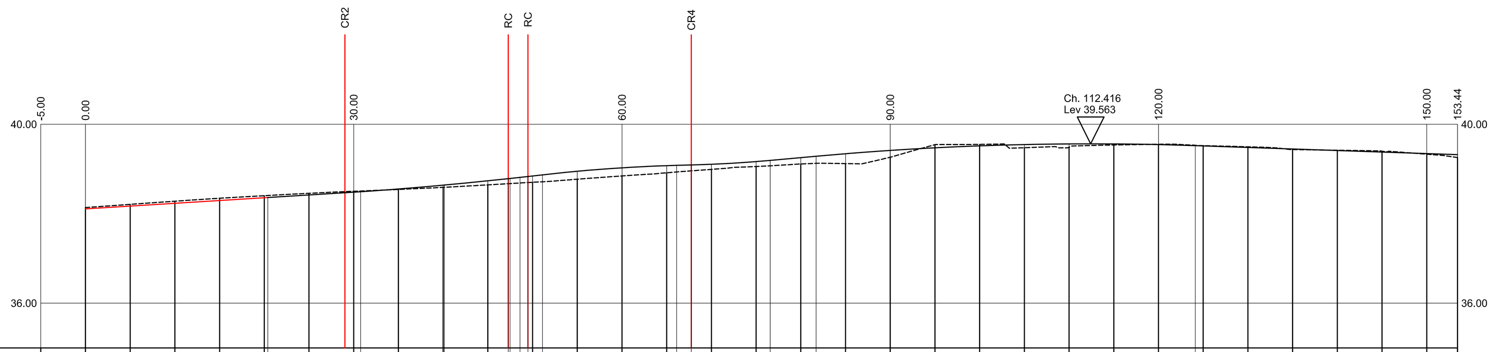
Exist. Chainage	Exist. Level
0.000	38.143
5.000	38.191
10.000	38.252
15.000	38.381
20.000	38.442
25.000	38.517
30.000	38.585
35.000	38.614
40.000	38.761
45.000	38.660
50.000	38.827
55.000	38.469
60.000	38.509
65.000	38.495
70.000	38.500
75.000	38.515
80.000	38.526
85.000	38.523
90.000	38.502
95.000	38.459
100.000	38.407
105.000	38.349
110.000	38.284
115.000	38.213
120.262	38.138

Prop. Chainage	Prop. Level
10.000	38.252
15.000	38.381
19.287	38.491
20.000	38.509
25.000	38.625
30.000	38.719
35.000	38.793
40.000	38.845
45.000	38.877
50.000	38.888
55.000	38.879
60.000	38.848
65.000	38.797
69.530	38.733
[illegible]	[illegible]
72.977	38.687
75.000	38.666
76.069	38.655
80.000	38.611
80.070	38.610
85.000	38.548
90.000	38.486
95.000	38.423
99.871	38.362

Rows: Vert. Elements / Horiz. Elements / SW Invert Level / SW Details / FW Invert Level / FW Details

CR3

Horiz. 1:500
Vert. 1:100
35.00 A.O.D.



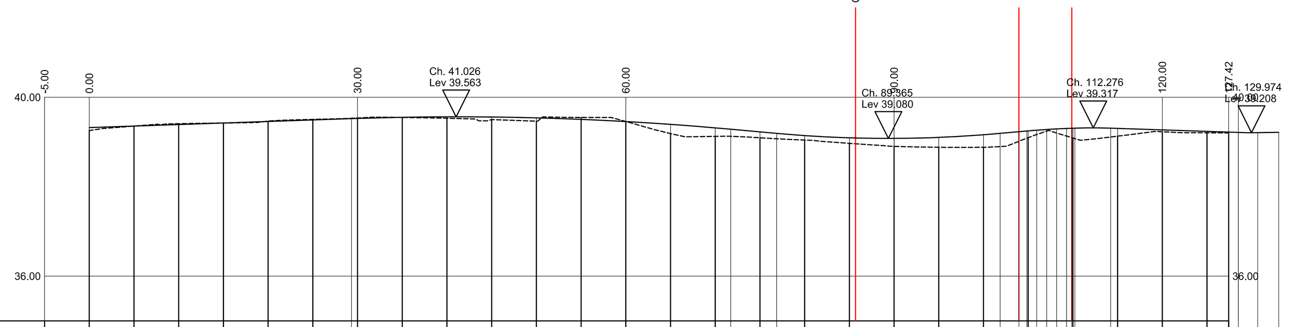
Exist. Chainage	Exist. Level
0.000	38.138
5.000	38.210
10.000	38.280
15.000	38.346
20.000	38.404
25.000	38.457
30.000	38.502
35.000	38.543
40.000	38.589
45.000	38.646
50.000	38.703
55.000	38.772
60.000	38.845
65.000	38.916
70.000	38.992
75.000	39.056
80.000	39.113
85.000	39.121
90.000	39.264
95.000	39.544
100.000	39.551
105.000	39.476
110.000	39.487
115.000	39.538
120.000	39.553
125.000	39.523
130.000	39.496
135.000	39.435
140.000	39.419
145.000	39.398
150.000	39.332
153.442	39.256

Prop. Chainage	Prop. Level
20.391	38.362
25.000	38.420
30.000	38.483
30.772	38.492
35.000	38.552
40.000	38.640
40.138	38.643
45.000	38.739
47.285	38.784
[illegible]	[illegible]
55.000	38.950
60.000	39.027
65.000	39.075
66.114	39.081
67.751	39.090
70.000	39.105
75.000	39.166
76.577	39.193
80.000	39.255
81.713	39.286
85.000	39.342
90.000	39.415
95.000	39.474
100.000	39.518
105.000	39.547
110.000	39.561
115.000	39.561
120.000	39.546
124.113	39.523
125.000	39.517
130.000	39.482
135.000	39.448
140.000	39.414
145.000	39.379
150.000	39.345
153.442	39.321

Rows: Vert. Elements / Horiz. Elements / SW Invert Level / SW Details / FW Invert Level / FW Details

CR4

Horiz. 1:500
Vert. 1:100
35.00 A.O.D.



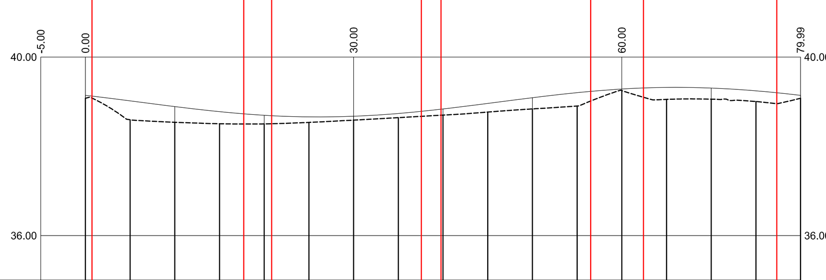
Exist. Chainage	Exist. Level
0.000	39.256
5.000	39.356
10.000	39.409
15.000	39.424
20.000	39.466
25.000	39.504
30.000	39.536
35.000	39.549
40.000	39.531
45.000	39.501
50.000	39.465
55.000	39.548
60.000	39.459
65.000	39.189
70.000	39.126
75.000	39.094
80.000	39.043
85.000	38.969
90.000	38.902
95.000	38.882
100.000	38.882
105.000	39.096
110.000	39.091
115.000	39.131
120.000	39.229
125.000	39.206
127.421	39.203

Prop. Chainage	Prop. Level
0.000	39.321
5.000	39.356
10.000	39.390
15.000	39.424
20.000	39.459
25.000	39.493
29.330	39.523
30.000	39.527
35.000	39.552
40.000	39.562
45.000	39.558
50.000	39.539
55.000	39.506
60.000	39.457
65.000	39.394
70.000	39.316
71.730	39.286
75.000	39.227
76.865	39.193
80.000	39.143
85.000	39.094
90.000	39.081
95.000	39.103
100.000	39.162
101.864	39.193
103.959	39.231
104.847	39.246
[illegible]	[illegible]
108.179	39.292
109.290	39.302
[illegible]	[illegible]
114.221	39.310
115.000	39.305
120.000	39.271
125.000	39.237
128.500	39.213
130.667	39.209
133.018	39.216

Rows: Vert. Elements / Horiz. Elements / SW Invert Level / SW Details / FW Invert Level / FW Details

RC

Horiz. 1:500
Vert. 1:100
35.00 A.O.D.



Exist. Chainage	Exist. Level
0.000	39.077
5.000	38.595
10.000	38.538
15.000	38.505
20.000	38.502
25.000	38.536
30.000	38.587
35.000	38.642
40.000	38.700
45.000	38.768
50.000	38.838
55.000	38.902
60.000	39.248
65.000	39.052
70.000	39.056
75.000	39.003
79.985	39.077

Prop. Chainage	Prop. Level
0.000	39.143
10.000	38.890
20.000	38.696
30.000	38.674
	37.574
40.000	39.773
50.000	39.089
60.000	39.283
70.000	39.305
79.985	39.143

Rows: Vert. Elements / Horiz. Elements / SW Invert Level / SW Details / FW Invert Level / FW Details

General Notes:-

Highways
1. All highway works to be carried out in accordance with the current local authority design guide and specification
2. All excavations below proposed and existing highways to be back filled with granular Type 1 sub base and well compacted in layers not exceeding 150mm.
3. Highway authority to be notified by the contractor prior to the commencement of works.

Adoptable Drainage
1. All adoptable drainage works to be in accordance with the water authorities publication - "Sewers For Adoption 6th Edition" aswell as the approved drawings.

2. Precast concrete manhole rings to comply with the relevant provisions of BS5911: Part 200.

3. All brickwork to be Class B engineering complying with the relevant provisions of BS 3921. Concrete bricks maybe used if their specification is the same as Class B engineering bricks. Please seek approval from relevant water authority before using.

4. Manhole covers and frames shall comply with the relevant provisions of BS EN 124 and be of a non-rocking, non-ventilating design.

5. Ladders that are required in Type A manholes are to comply with "Sewers For Adoption 6th Edition".

6. Concrete must be either C20 sulphate resistant portland cement with high strength concrete topping to the benching or C35 ordinary portland cement

7. 150mm Concrete surround is required around pipes where the depth from finished surface to soffit of pipe is less than 1200mm. This may be reduced to 900mm within open space.

8. The location of existing drainage that is within close proximity to the proposed site works, which is not to be diverted, should be confirmed by the contractor and reported to the developer to ensure it corresponds to that shown on the engineering layout and that no proposed works are affected.

9. Roads and sewers contractor must inform water authority prior to works commencing

Existing Services
Any existing services which may be affected by the proposed works should be located by means of a hand dig in close liaison with the statutory service authorities. The contractor shall inform the developer of any services that may affect the proposed design.
Contractor to notify statutory service authorities prior to commencement of work.

As Constructed Information
It is the contractors responsibility to provide the following as constructed drawings to the developer upon the completion of the works covered by the contract :-

1. Position/co-ordinates of all adoptable manholes.
2. Invert and cover levels of all adoptable manholes.
3. New gully positions and connections.
4. Position and depth of service ducts for water, gas, electric, BT, cable and street lighting, stating size and number of ducts.

Rev A: Roundabout islands added. KJH 09 07 15

Drawing Status
PRELIMINARY

Title
Barratt Homes &
Taylor Wimpey
Luke's Lane, Monkton Phase 2
Roundabout vertical design

scale	Date
1:250@A0	May 2015
Drawn by	e-mail
KJH	ken.horn@queensberrydesign.co.uk

Drawing no.	Revision	Checked By
QD1081-05-10	A	-

QUEENSBERRY DESIGN
ENGINEERING & ARCHITECTURAL CONSULTANTS
NORTH EAST OFFICE
SUITE 7D, NETHERTON PARK, STANNINGTON
NORTHUMBERLAND, NE61 6EF T: 01670 789834
NORTH WEST & YORKSHIRE OFFICE
2A St Martin's Lane, York, YO1 6LN T: 01904 500662
www.queensberrydesign.co.uk