

1

2

3

4

5

6

7

8

££00-880-01-000£-00067£H

ON 0M

Culvert ID

KP Chainage

Hatch Chainage

Distance

Fish Bearing Status

Number of Pipes

Existing Diameter

Proposed Diameter

Existing Length

Proposed Length

E

W

Culvert C/L At Upstream

U/S INV. ELV.

Rip Rap Required

Culvert C/L At Downstream

D/S INV. ELV.

Rip Rap Required

C

Rip Rap Apron Length

Slope

Skew Degree

What To Do

Comments

(m)

(m)

(m)

(Y/N/P)

(n)

(m)

(m)

(m)

(m)

(mm)

(mm)

Northing

Easting

(m)

(Y/N)

Northing

Easting

(m)

(Y/N)

(mm)

(m)

(%)

CV040A

A72+062

96+899

70+257

NO

1

1.2

15

16.5

1200

235.43

N

235.24

N

500

1.27

Extend

Extend 1.5m right

CV040B

A72+051

96+887

70+245

NO

2

1.2

15

23

120

2900

235.03

Y

500

4.8

2.80

Extend

Extend 6m left & 2m right

CV040C

96+885

70+243

NO

2

1.2

12

19

120

2900

N

Y

500

4.8

Extend

Extend 5m left & 2m right

CV040D

A72+083

96+919

70+277

NO

1

0.15

1

11

15.5

1000

235.69

N

236.12

Y

500

4

3.91

Replace

Abandon and replace with new length of 15.5m

CV040E

A72+084

96+920

70+278

NO

1

0.15

11.1

235.71

N

235.71

N

3.87

Abandon

CV039

A72+637

97+473

70+831

NO

1

0.15

11.1

244.400

N

244.263

N

1.23

Abandon

CV038A

A72+734

97+569

70+927

NO

1

0.15

11

243.210

N

243.111

N

0.90

Abandon

CV038B

A72+815

97+649

71+007

NO

1

0.15

11

243.409

N

243.113

N

2.69

Abandon

CV038C

A72+858

97+693

71+051

NO

1

0.15

0.5

11.8

13

500

243.301

N

243.102

N

300

1.69

Replace

Replace with new length of 13m

CV037A

A72+896

97+730

71+088

NO

1

0.15

10.9

243.789

N

243.457

N

3.05

Abandon

CV037B

A73+414

98+248

71+606

NO

1

0.15

0.5

15.14

16.5

500

223.873

N

223.726

N

300

0.97

Replace

Replace with new length of 16.5m

CV212A

A74+249

99+083

72+441

NO

1

0.15

11.1

209.924

N

209.598

N

2.94

Abandon

CV212B

A74+251

99+085

72+443

NO

1

0.15

11.1

209.986

N

209.465

N

4.69

Abandon

CV212C

A74+468

99+302

72+660

NO

1

0.15

11.1

198.526

N

198.026

N

4.50

Abandon

CV212D

A74+469

99+302

72+660

NO

1

0.15

11.2

198.535

N

197.951

N

5.21

Abandon

CV212E

A74+481

99+314

72+672

NO

1

0.15

1

12.9

13.5

1000

198.876

N

198.493

Y

500

4

2.97

Replace

Abandon and replace with new length of 13.5m

CV212F

A74+484

99+317

72+675

NO

1

0.15

12.4

198.689

N

198.106

N

4.70

Abandon

CV212G

A74+485

99+317

72+675

NO

1

0.15

12.5

198.695

N

198.105

N

4.72

Abandon

CV033A

A75+637

100+471

73+829

NO

1

0.15

0.5

14.1

15.5

500

212.488

N

212.218

N

300

1.91

Replace

Replace with new length of 15.5m

CV033B

A76+360

101+173

74+531

NO

1

0.15

11.2

168.469

N

168.064

N

3.62

Abandon

CV033C

A76+361

101+176

74+534

NO

1

0.15

11.1

168.437

N

167.864

N

5.16

Abandon

CV033D

A76+508

101+320

74+678

NO

1

0.5

12

24

500

156.076

N

155.671

N

300

3.38

Extend

Extend 2.5m left & 9.5m right

BG33

A76+996

101+810

75+168

NO

1

0.5

15

23.5

500

147.771

N

147.399

N

300

2.48

Extend

Extend 4.5m left & 4m right

CV030A

A77+495

102+249

75+607

POTENTIAL

1

1

15

16

1000

143.855

N

143.698

N

500

1.05

Extend

Extend 1m left

CV030B

A77+435

102+308

75+666

POTENTIAL

1

0.5

15

16

50

500

144.052

N

143.825

N

300

1.51

Extend

Extend 1m left

BG32A

A78+130

102+942

76+300

YES

2

2

17.5

21.5

4500

140.983

N

140.918

N

500

0.37

Extend

Extend 0.5m left & 3.5m right

BG32B

A78+130

102+944

76+302

YES

2

2

17.5

21

4500

141.134

N

141.023

N

500

0.63

Extend

Extend 0.5m left & 3m right

BG32C

A78+408

103+221

76+579

YES

1

0.25

0.5

15

14

500

144.209

N

143.955

N

300

1.69

Replace

Replace with new length of 14m

CV214A

A78+837

103+638

76+998

NO

1

1.2

18

25.5

1200

142.954

N

142.410

Y

500

4.8

3.02

Extend

Extend 7.5m right

CV214B

A79+073

103+874

77+232

NO

1

0.25

0.5

12

14.5

500

144.147

N

144.016

N

300

1.09

Replace

Replace with new length of 14.5m

CV215A

A79+523

104+323

77+681

NO

1

0.5

12

17.5

500

142.714

N

142.590

N

300

1.03

Extend

Extend 2.5m left & 3m right

CV215B

A79+534

104+335

77+693

NO

3

0.5

12

17.5

2100

142.612

N

142.799

N

300

1.56

Extend

Extend 2.5m left & 3m right

CV215C

A79+535

104+336

77+694

NO

3

0.5

12

18

2100

142.725

N

142.587

N

300

1.15

Extend

Extend 3m left & 3m right

CV215D

A79+536

104+337

77+695

NO

3

0.5

12

18.5

2100

142.716

N

142.436

N

300

2.33

Extend

Extend 3m left & 3.5m right

CV217A

A79+854

104+652

78+010

YES

1

1.2

15

16

1200

141.549

N

141.270

Y

500

4.8

1.86

Extend

Extend 1m right

CV217B

A79+831

104+631

77+989

YES

2

1.2

15

16

120

2900

141.452

N

141.147

Y

500

4.8

2.03

Extend

Extend 1m right

CV217C

A79+833

104+633

77+991

YES

2

1.2

15

16

120

2900

141.554

N

141.218

Y

500

4.8

2.24

Extend

Extend 1m right

CV217D

A80+460

105+263

78+621

YES

1

0.15

11.2

145.785

N

145.570

N

1.92

Abandon

CV216A

A80+951

105+753

79+111

POTENTIAL

1

1.2

15

18.5

1200

142.710

N

142.656

N

500

0.36

Extend

Extend 1.5m left & 2m right

CV216B

A80+580

105+382

78+740

POTENTIAL

2

1.2

15

17.5

120

2900

143.048

N

142.947

N

500

0.67

Extend

Extend 1.5m left & 1m right

CV216C

A80+582

105+384

78+742

POTENTIAL

2

1.2

15

16.5

120

2900

143.057

N

142.922

N

500

0.90

Extend

Extend 1.5m left

CV216D

A80+988

105+791

79+149

POTENTIAL

1

0.15

0.5

10.4

14.5

500

146.303

N

146.236

N

300

0.64

Replace

Replace with new length of 14.5m

CV216E

A81+375

106+179

79+537

POTENTIAL

1

0.25

0.5

9

14

500

147.018

N

146.809

N

300

2.32

Replace

Abandon and replace with new length of 14m

CV216F

A81+513

106+317

79+675

POTENTIAL

1

0.25

0.5

9

12

500

148.032

N

147.833

N

300

2.21

Replace

Replace with new length of 12m

BG31A

A82+014

150+119

80+177

POTENTIAL

1

1.2

16

19.5

1200

Y

500

4.8

Extend

Extend 1m left & 2.5m right

BG31B

A82+472

150+567

80+625

POTENTIAL

1

0.25

9

164.332

N

163.868

N

5.16

Abandon

CV023A

A83+094

151+188

81+246

NO

1

1

12

12

1000

181.980

N

181.779

N

500

1.67

Replace

Abandon and replace with new length of 12m

CV023B

A84+005

152+116

82+174

NO

1

0.15

8.4

163.411

N

163.422

N

1.32

Abandon

CV023C

A84+128

152+238

82+296

NO

1

0.15

0.5

9

11

500

161.884

N

161.739

N

300

1.61

Replace

Replace with new length of 11m

CV023D

A84+166

152+276

82+334

NO

1

0.15

9.1

161.681

N

161.458

N

2.45

Abandon

BG30

A84+537

152+650

82+708

YES

1

1

15

22

1000

155.219

N

154.188

Y

500

4

6.87

Extend

Extend 7m right

BG29

A84+706

152+817

82+875

POTENTIAL

1

1

15

31

1000

151.334

N

151.288

N

500

0.31

Extend

Extend 7.5m left & 8.5m right

CV021

A84+982

153+095

83+153

NO

1

0.25

0.5

12

15

500

152.630

N

152.520

N

300

0.92

Replace

Replace with new length of 15m

CV020

A85+513

153+625

83+683

NO

1

0.25

1

9

14

1000

163.246

N

163.183

N

500

0.70

Replace

Abandon and replace with new length of 14m

CV017

A85+778

153+900

83+958

NO

1

0.25

9

169.872

N

169.735

N

1.52

Abandon

BG28

A86+135

154+237

84+295

NO

1

0.25

0.5

9

23

500

159.345

N

158.928

Y

300

2

4.63

Replace

Replace with new length of 23m

CV016

A86+327

154+443

84+501

NO

1

0.25

0.5

9

12.5

500

160.468

N

159.993

Y

300

2

5.28

Replace

Replace with new length of 12.5m

BG27A

A86+499

154+603

84+661

POTENTIAL

1

0.5

18

31

500

159.311

N

158.534

N

300

4.32

Extend

Extend 4.5m left & 8.5m right

BG27B

A86+493

154+596

84+654

POTENTIAL

2

0.5

18

31

50

1300

159.304

N

158.444

Y

300

2

4.78

Extend

Extend 5m left & 9m right

BG27C

A86+494

154+597

84+655

POTENTIAL

2

0.5

18

31

50

1300

159.159

N

158.411

N

300

4.16

Extend

Extend 5m left & 8m right

CV015

A86+652

154+766

84+824

NO

1

0.15

11.1

164.217

N

163.894

N

3.00

Abandon

BG25A

A86+945

155+045

85+103

NO

1

0.15

0.5

10

19.5

500

157.714

N

157.705

N

300

0.09

Replace

Replace with new length of 19.5m

BG25B

A86+945

155+046

85+104

NO

1

0.15

10.1

157.621

N

157.075

N

5.41

Remove

BG24A

A87+588

155+687

85+745

YES

1

1.2

15

157.422

N

157.033

Y

500

4.8

2.59

No Change