

Culvert Report

Hydraflow Express Extension for Autodesk® AutoCAD® Civil 3D® by Autodesk, Inc.

mandag, feb 1 2016

Kulvert Bispeveien 900x1200mm

Invert Elev Dn (m) = 12.5100
 Pipe Length (m) = 45.0000
 Slope (%) = 0.0000
 Invert Elev Up (m) = 12.5100
 Rise (mm) = 1200.0
 Shape = Box
 Span (mm) = 900.0
 No. Barrels = 1
 n-Value = 0.024
 Culvert Type = Rectangular Concrete
 Culvert Entrance = Tapered inlet throat
 Coeff. K,M,c,Y,k = 0.475, 0.667, 0.0179, 0.97, 0.2

Embankment

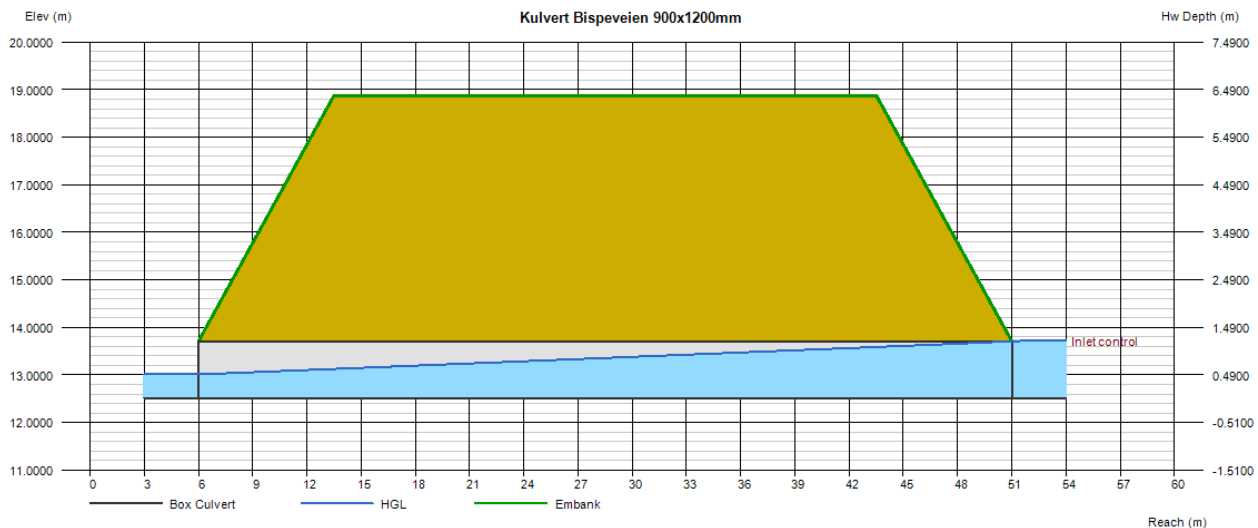
Top Elevation (m) = 18.8800
 Top Width (m) = 30.0000
 Crest Width (m) = 30.0000

Calculations

Qmin (cms) = 0.0000
 Qmax (cms) = 5.0000
 Tailwater Elev (m) = 0.00

Highlighted

Qtotal (cms) = 1.0000
 Qpipe (cms) = 1.0000
 Qovertop (cms) = 0.0000
 Veloc Dn (m/s) = 2.2177
 Veloc Up (m/s) = 0.9312
 HGL Dn (m) = 13.0110
 HGL Up (m) = 13.7032
 Hw Elev (m) = 13.7244
 Hw/D (m) = 1.0120
 Flow Regime = Inlet Control



Culvert Report

Hydraflow Express Extension for Autodesk® AutoCAD® Civil 3D® by Autodesk, Inc.

mandag, feb 1 2016

Kulvert Bispeveien Ø1600mm

Invert Elev Dn (m)	=	12.5100
Pipe Length (m)	=	45.0000
Slope (%)	=	0.0400
Invert Elev Up (m)	=	12.5280
Rise (mm)	=	1600.0
Shape	=	Circular
Span (mm)	=	1600.0
No. Barrels	=	1
n-Value	=	0.022
Culvert Type	=	Circular Corrugate Metal Pipe
Culvert Entrance	=	Projecting
Coeff. K,M,c,Y,k	=	0.034, 1.5, 0.0553, 0.54, 0.9

Embankment	
Top Elevation (m)	= 18.8800
Top Width (m)	= 30.0000
Crest Width (m)	= 30.0000

Calculations	
Qmin (cms)	= 0.0000
Qmax (cms)	= 5.0000
Tailwater Elev (m)	= (dc+D)/2
Highlighted	
Qtotal (cms)	= 3.6000
Qpipe (cms)	= 3.6000
Qovertop (cms)	= 0.0000
Veloc Dn (m/s)	= 2.0815
Veloc Up (m/s)	= 2.8297
HGL Dn (m)	= 13.7940
HGL Up (m)	= 13.4961
Hw Elev (m)	= 14.1275
Hw/D (m)	= 0.9997
Flow Regime	= Inlet Control

