Appendix B
Survey Data

US Army Corps
of Engineers
Norfolk District

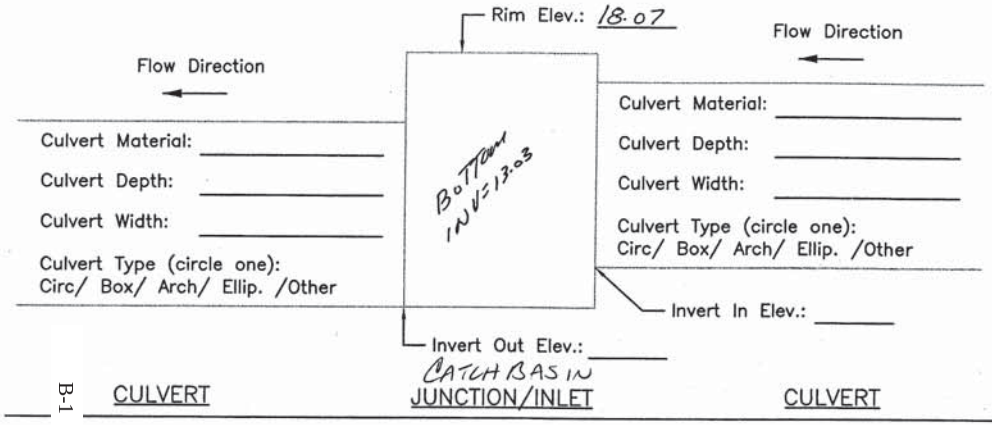
Chesapeake
VIRGINIA
Department of Public Works

URS

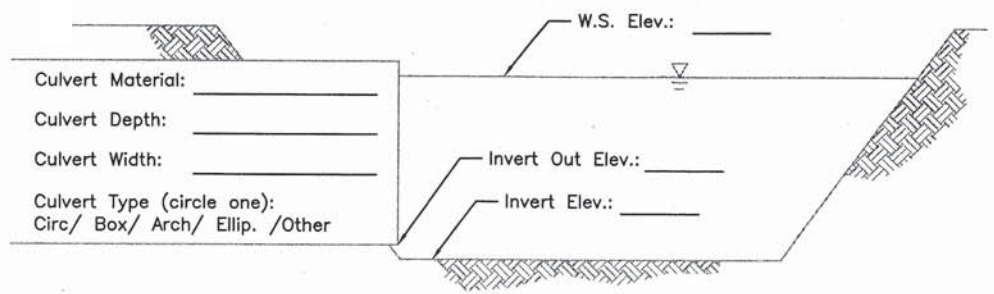
Project: Chesapeake, Kemp Woods
Node/Point #: 100
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



B-1

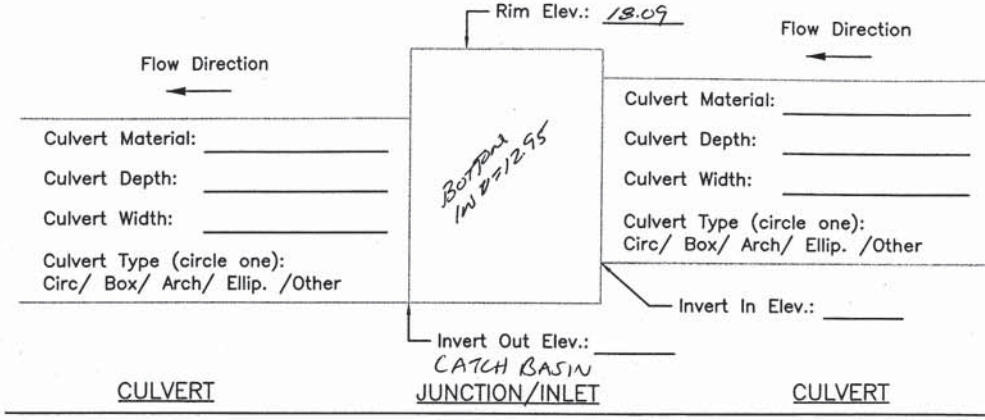


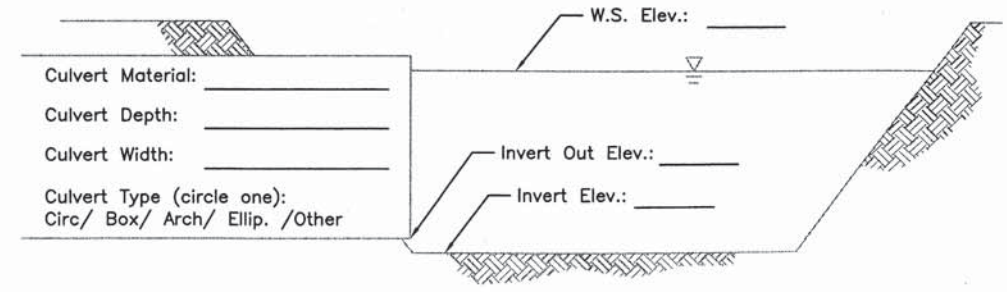
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 102
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



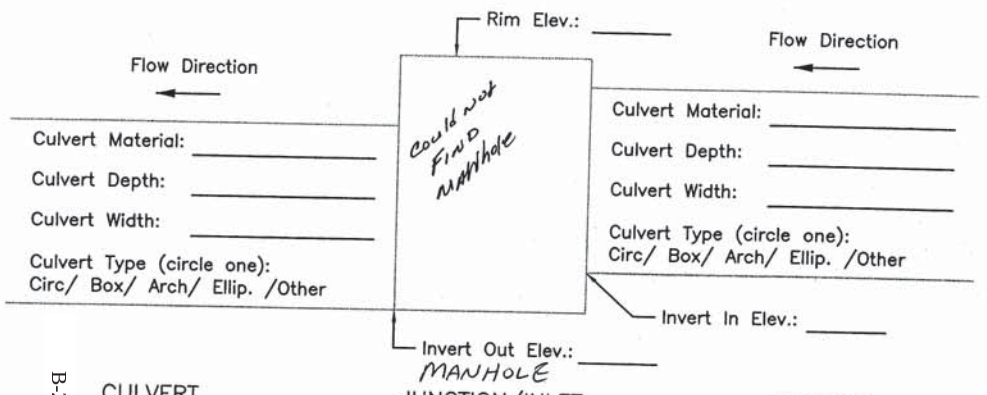


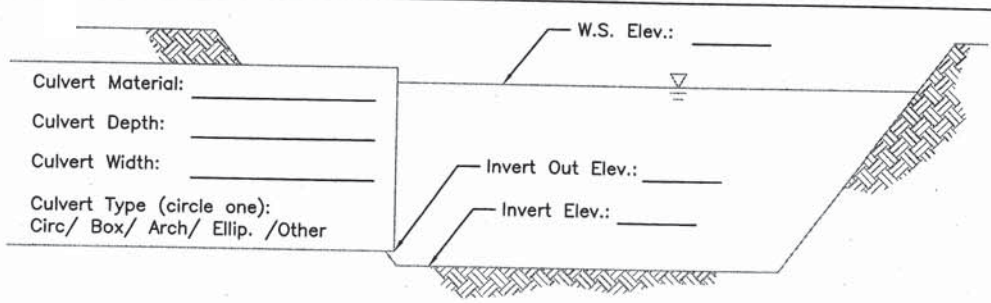
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 109
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



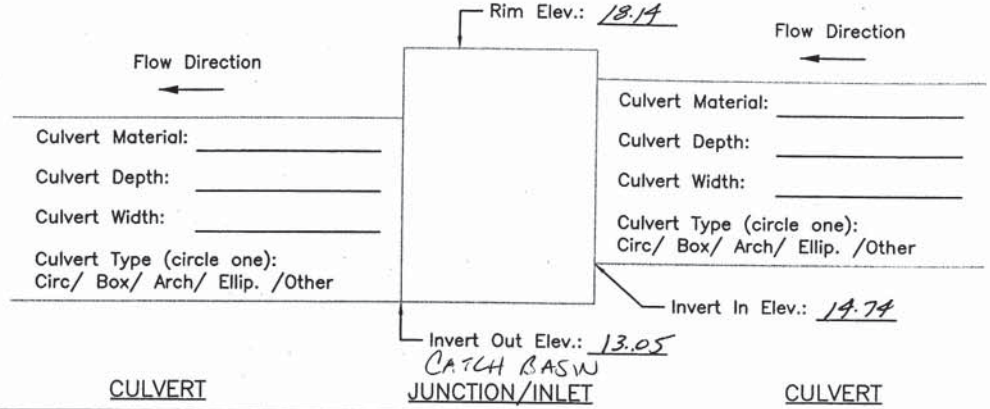


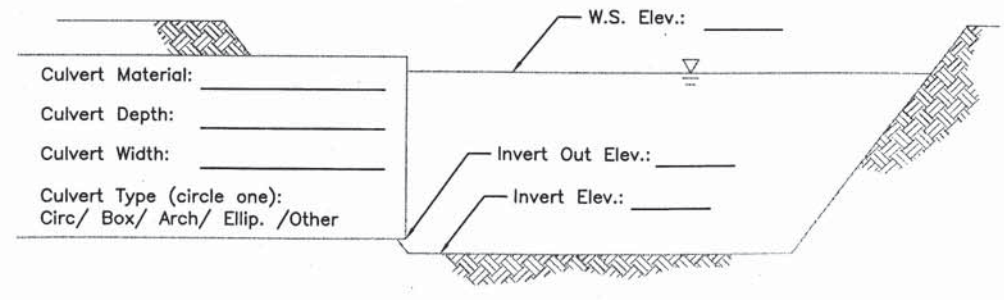
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 112
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



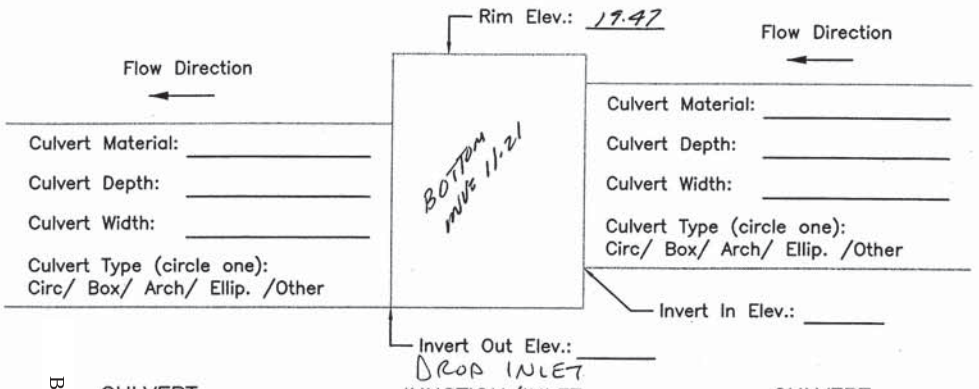


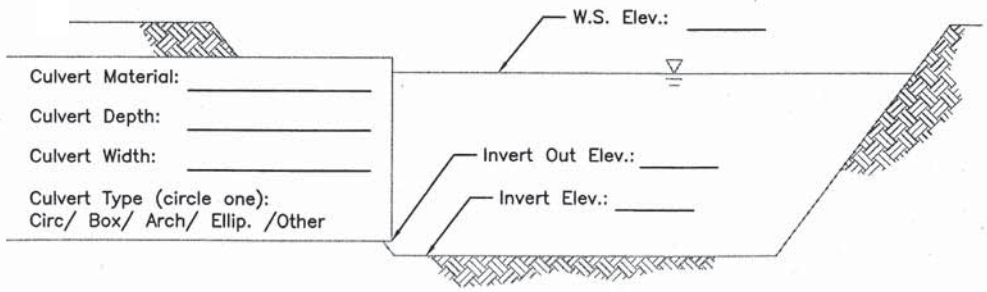
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 122
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



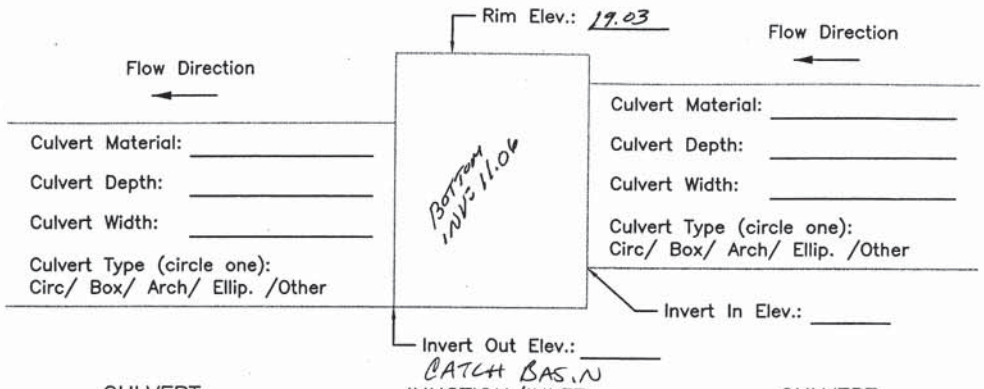


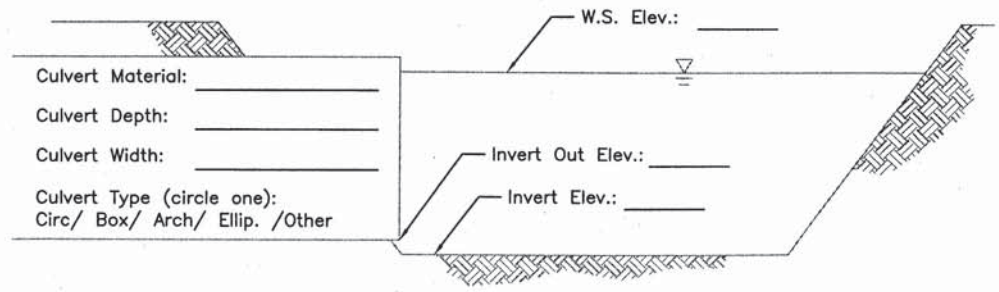
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 124
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



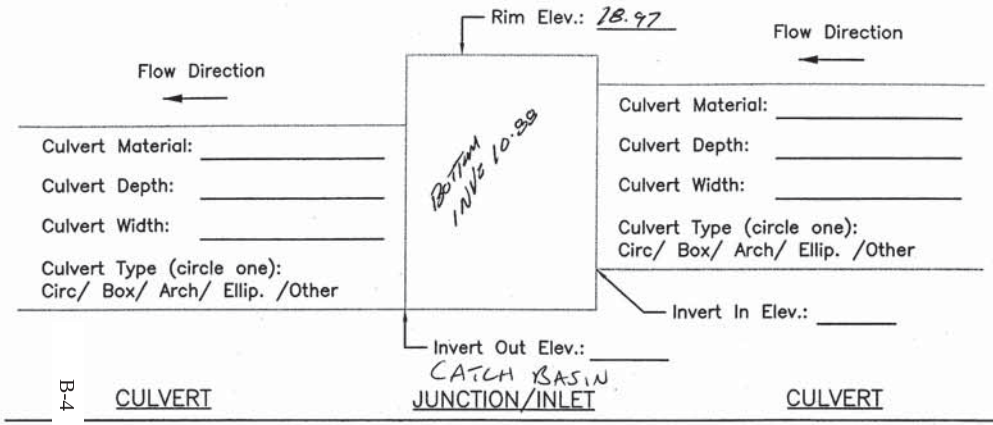


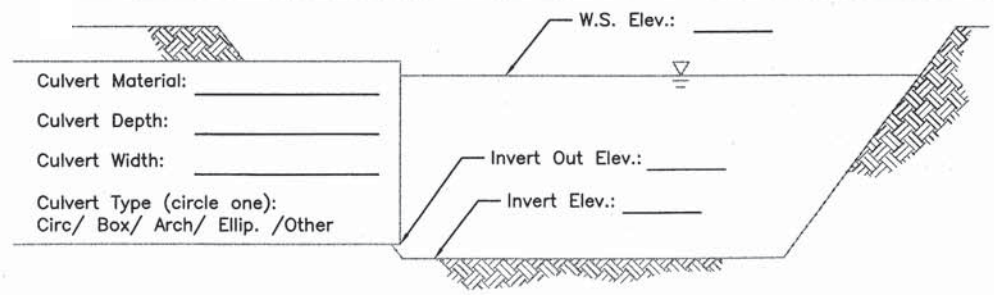
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 126
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



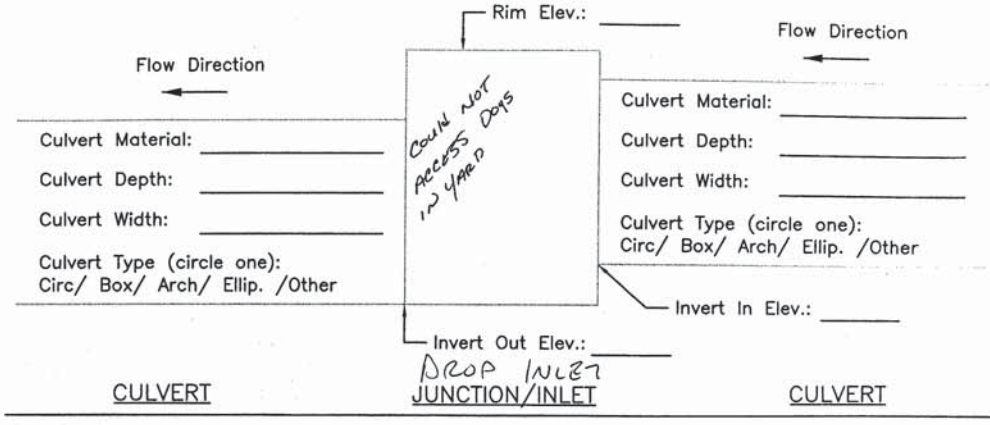


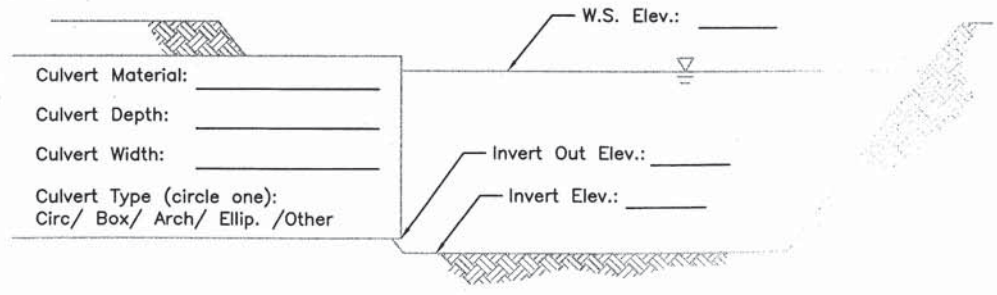
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 132
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



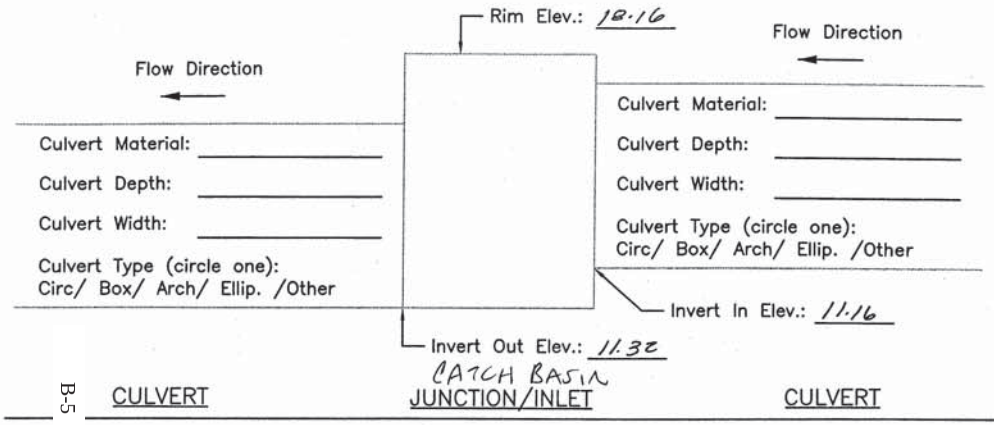


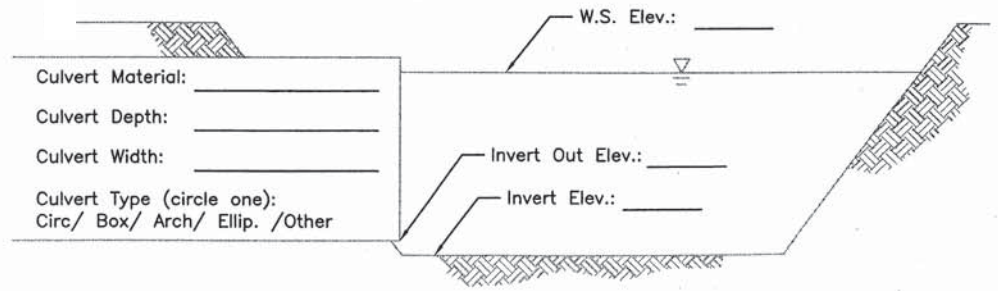
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 136
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



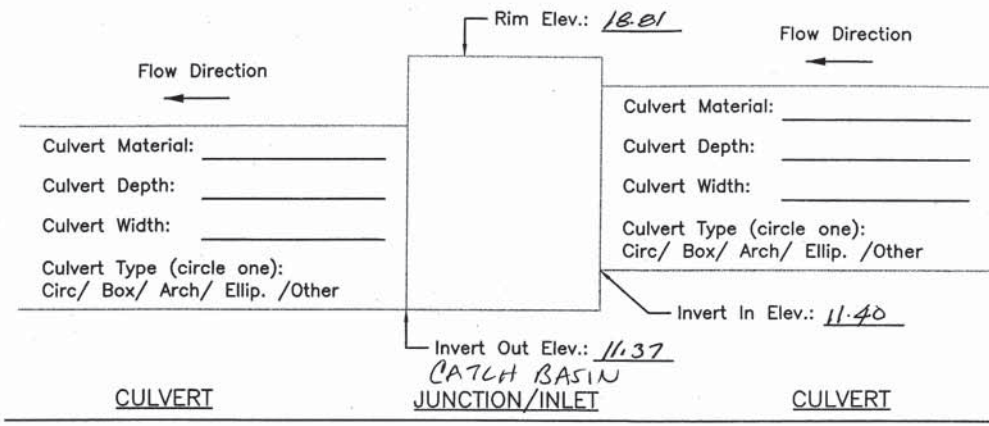


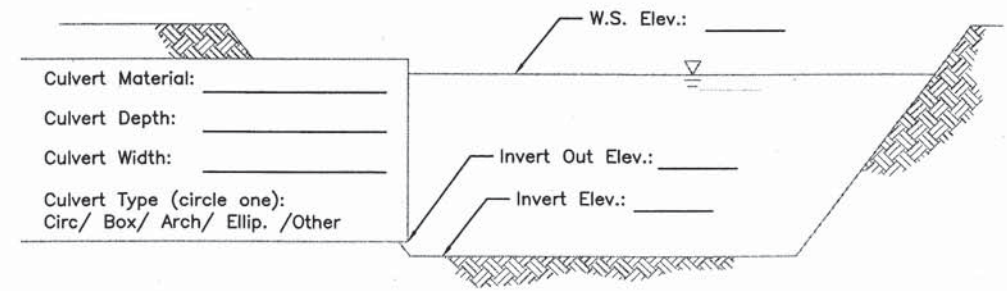
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 138
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

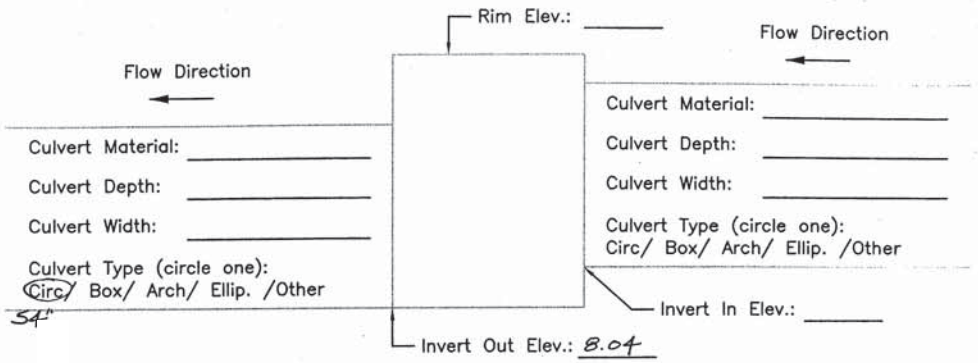




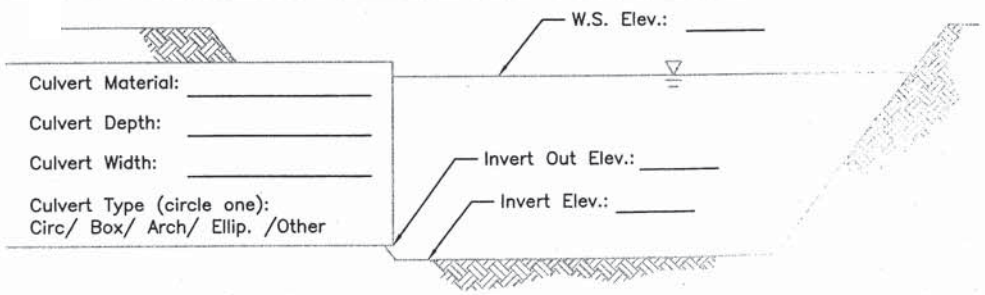
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 142
Location/Nearest Intersection: DS of 11321 28L = 1.0%
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



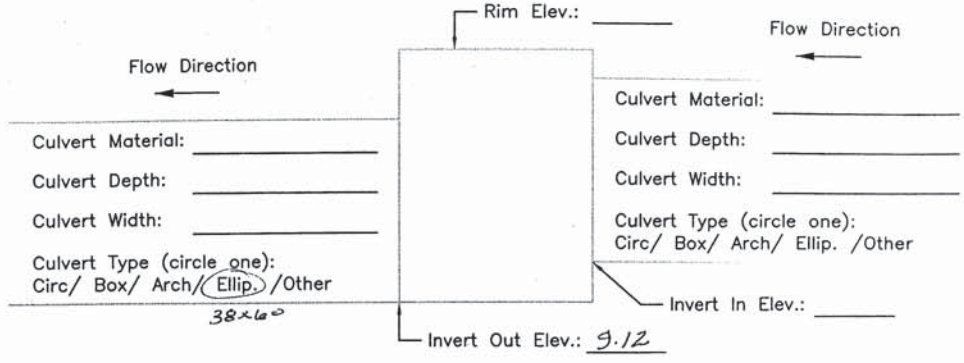
CULVERT JUNCTION/INLET CULVERT



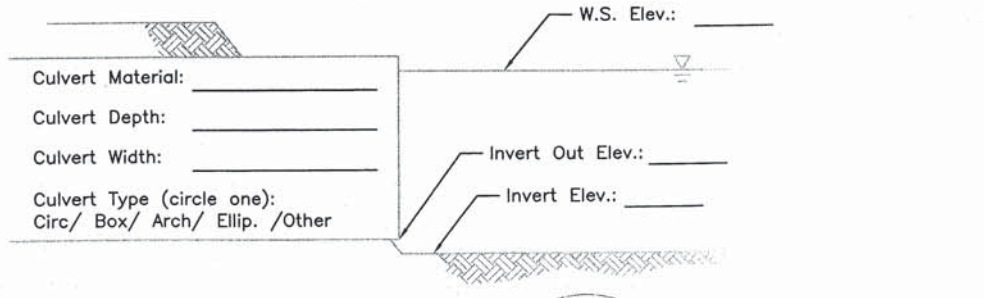
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 144
Location/Nearest Intersection:
Date:
Surveyed By:

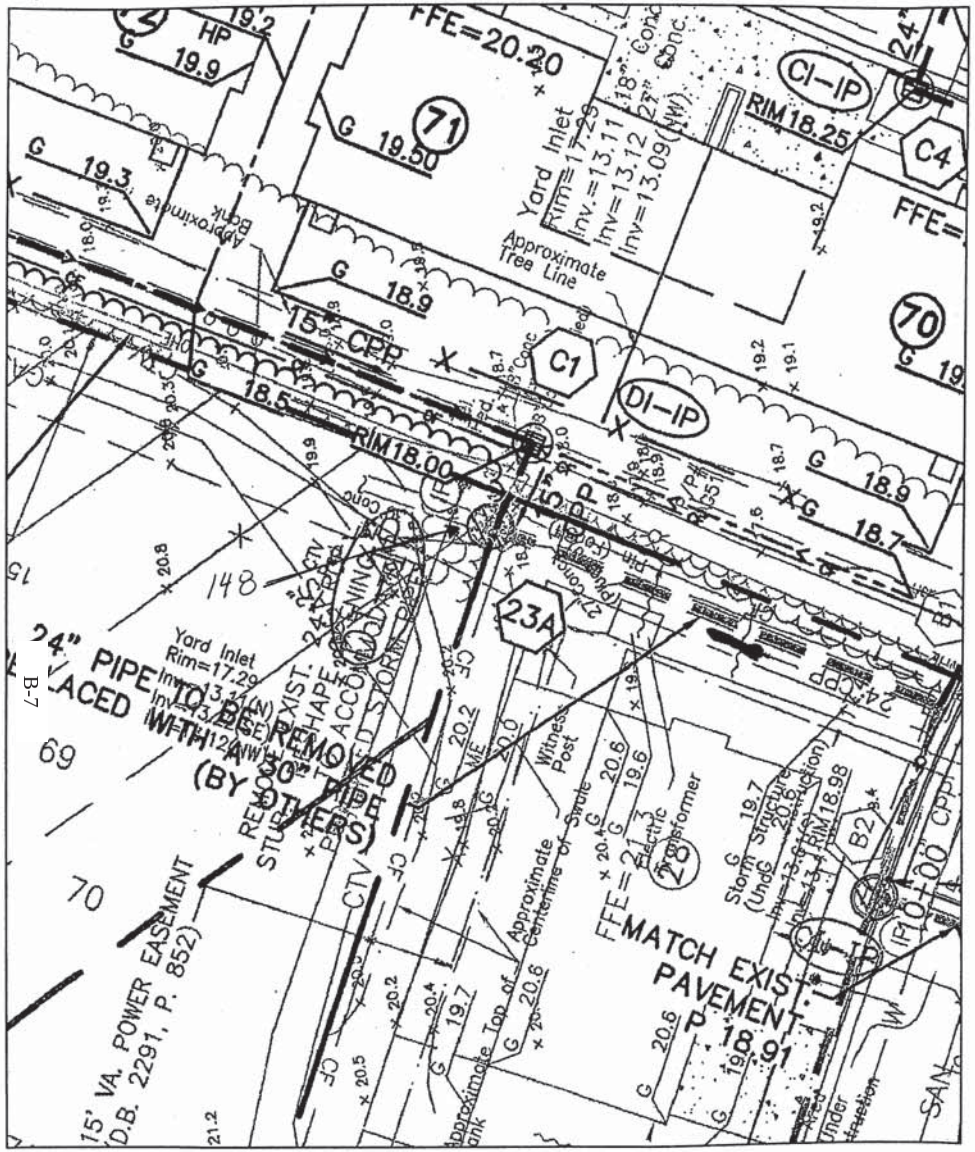
THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT JUNCTION/INLET CULVERT



Additional description of the point location:



Point 148

B-7

Project: Chesapeake, Kemp Woods
Node/Point #: 148
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

Rim Elev.: 17.23

Flow Direction

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

BOTTOM INV=12.96

Flow Direction

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

Invert In Elev.:

Invert Out Elev.: ~~13.96~~ DROP INLET

CULVERT | JUNCTION/INLET | CULVERT

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

W.S. Elev.:
Invert Out Elev.:
Invert Elev.:

OUTLET CULVERT | LAKE

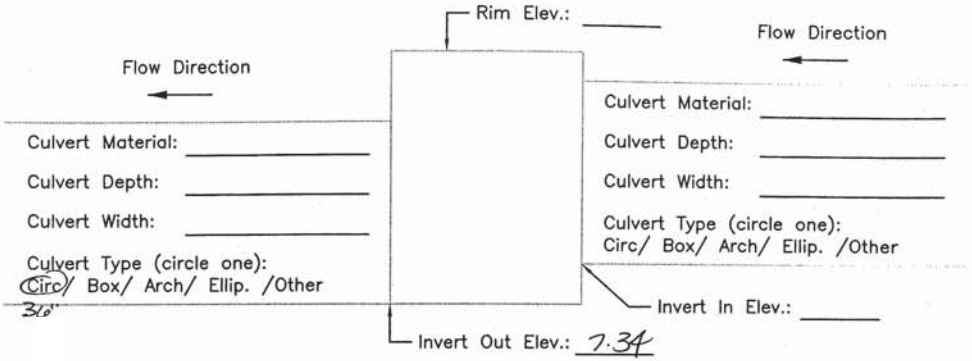
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 156
Location/Nearest Intersection: DS of 11481

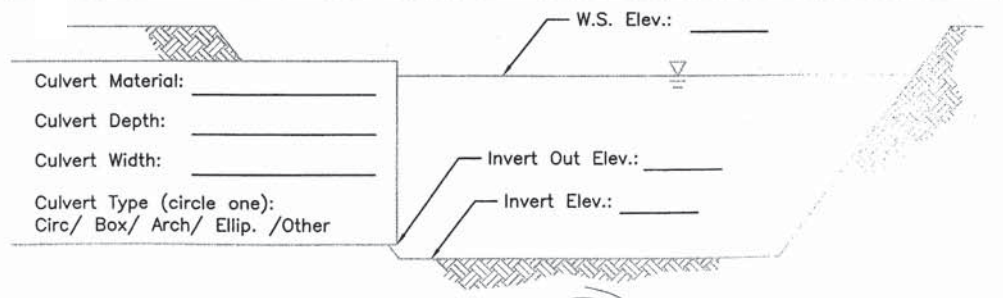
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

ZP2 = -1.78



CULVERT JUNCTION/INLET CULVERT



OUTLET CULVERT LAKE Top of Water EL = 11.36

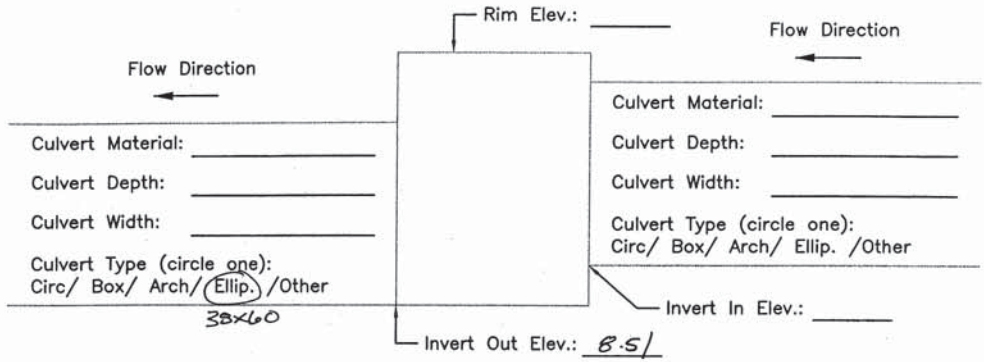
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 164
Location/Nearest Intersection: DS of 11701

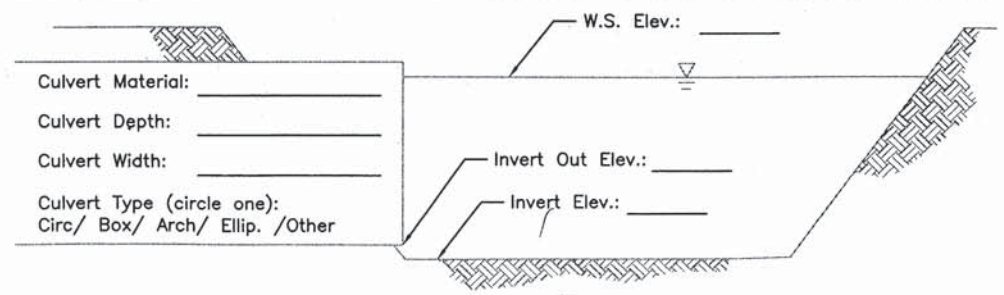
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

ZP2 = 0.61



CULVERT JUNCTION/INLET CULVERT



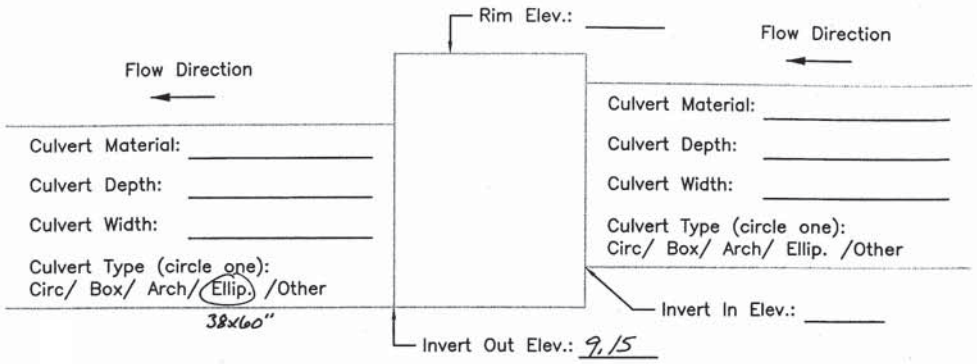
OUTLET CULVERT LAKE Top of Water EL = 11.36

Additional description of the point location:

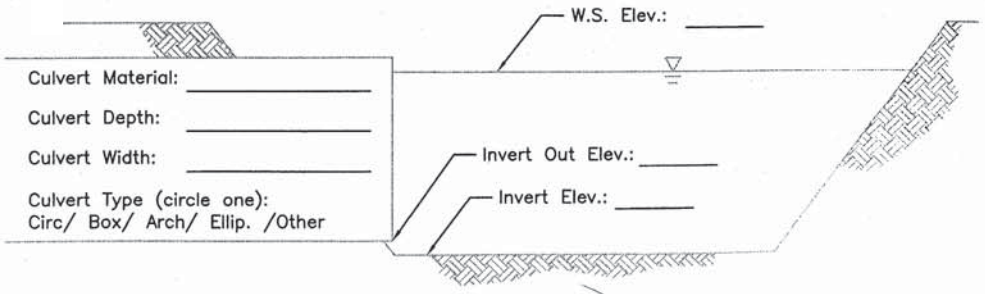
Project: Chesapeake, Kemp Woods
Node/Point #: 170
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT JUNCTION/INLET CULVERT



OUTLET CULVERT LAKE

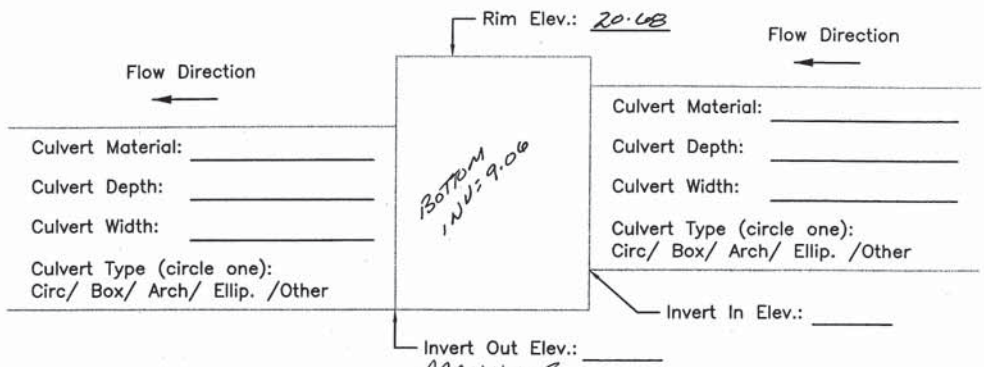
TOP OF WATER EL = 11.31

Additional description of the point location:

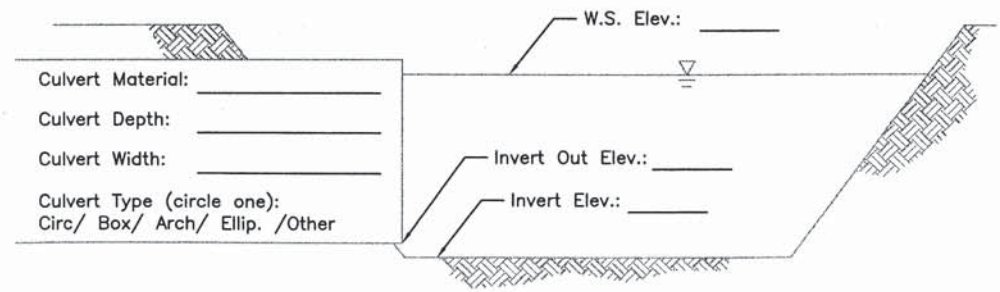
Project: Chesapeake, Kemp Woods
Node/Point #: 176
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

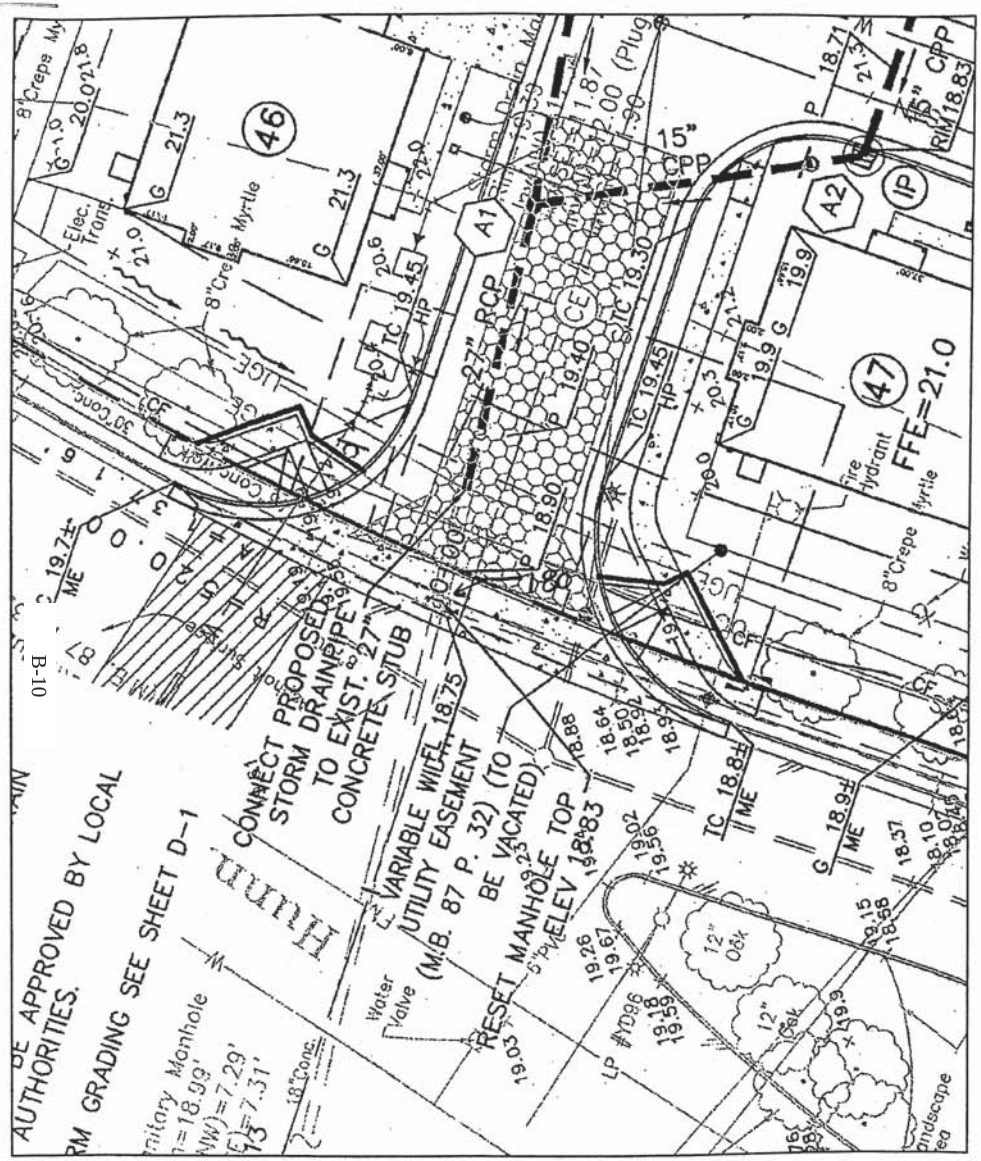


CULVERT JUNCTION/INLET CULVERT



OUTLET CULVERT LAKE

Additional description of the point location:



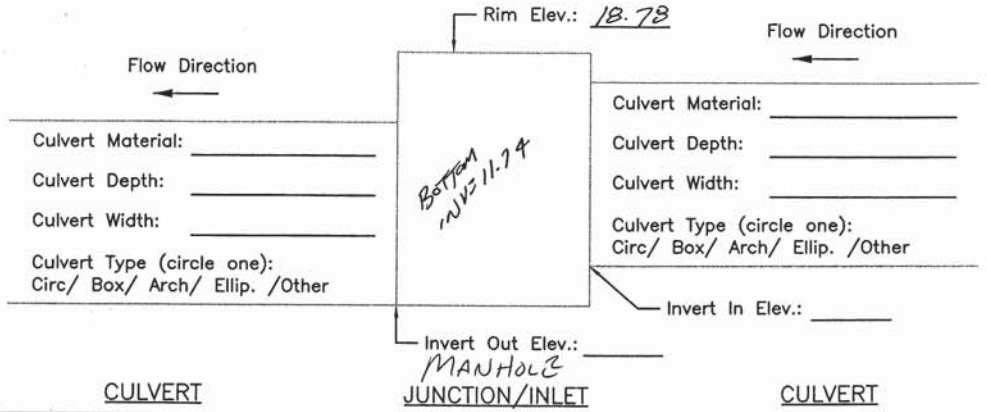
Point 180

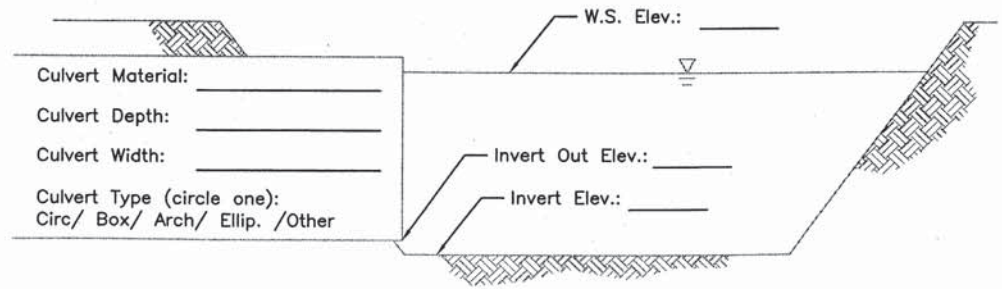
B-10

Project: Chesapeake, Kemp Woods
Node/Point #: 180
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

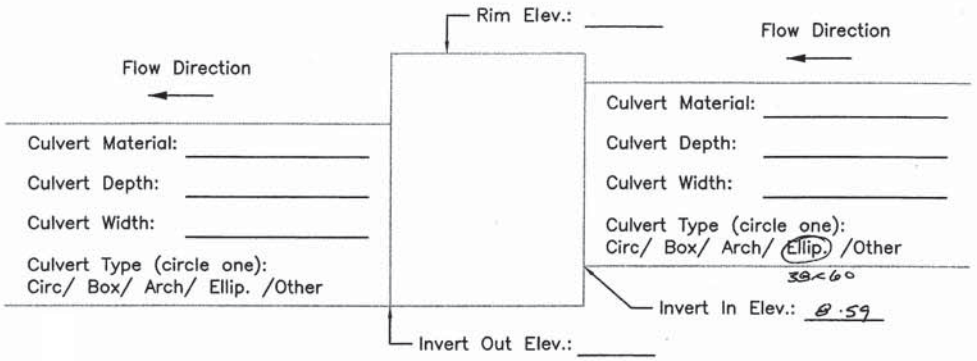




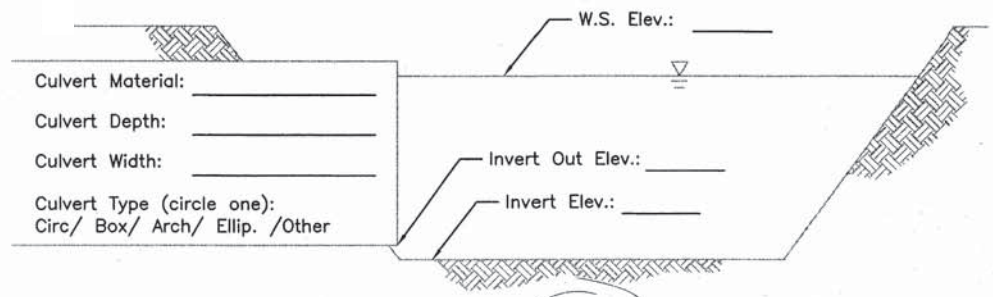
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 184
Location/Nearest Intersection: DS of 11761
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



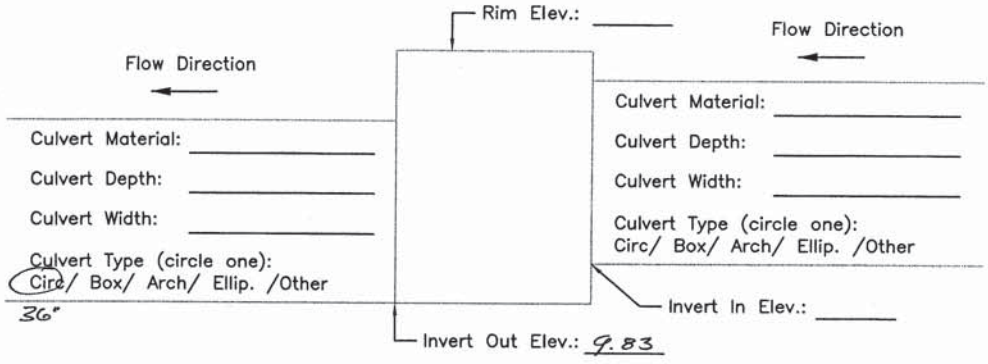
CULVERT JUNCTION/INLET CULVERT



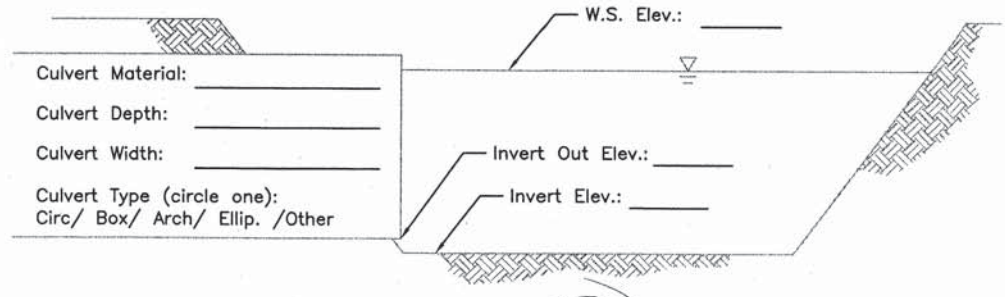
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 186
Location/Nearest Intersection:
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT JUNCTION/INLET CULVERT

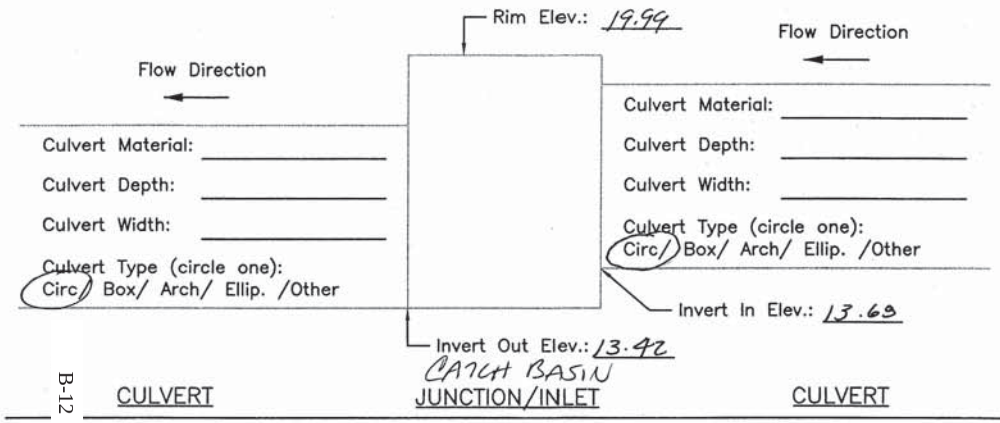


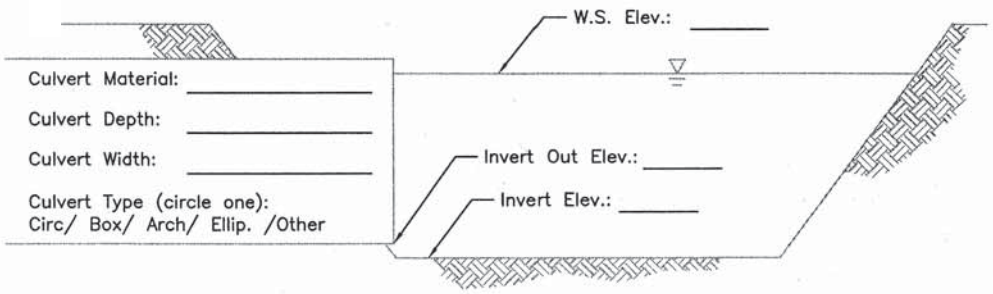
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 188
Location/Nearest Intersection: _____

Date: _____
Surveyed By: _____

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



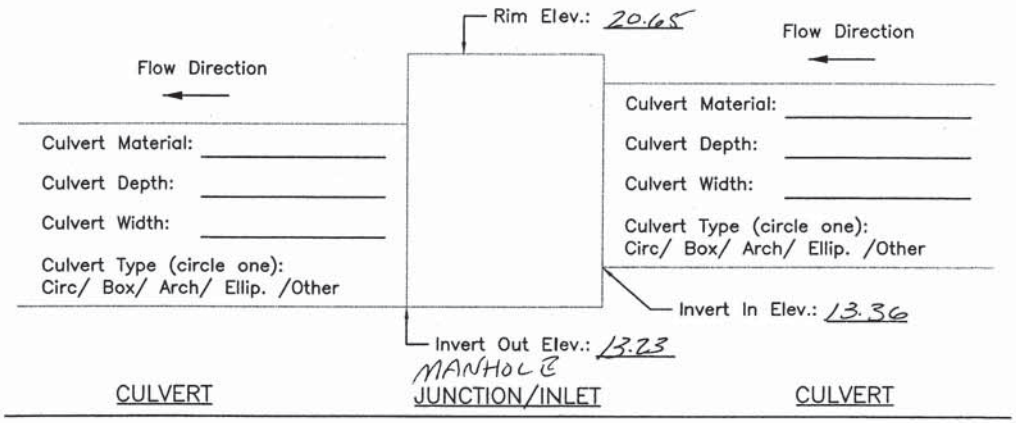


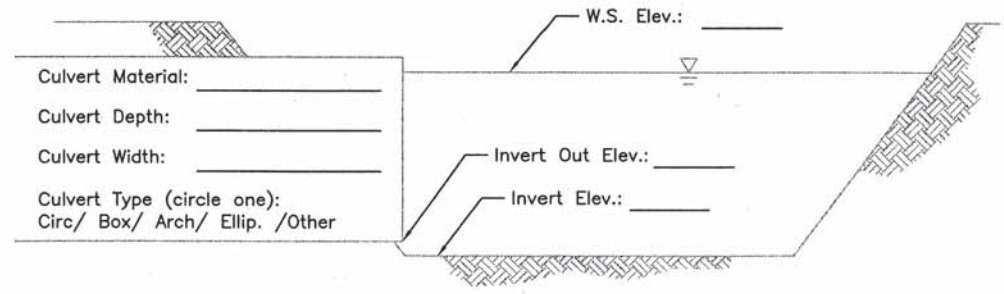
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 190
Location/Nearest Intersection: _____

Date: _____
Surveyed By: _____

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



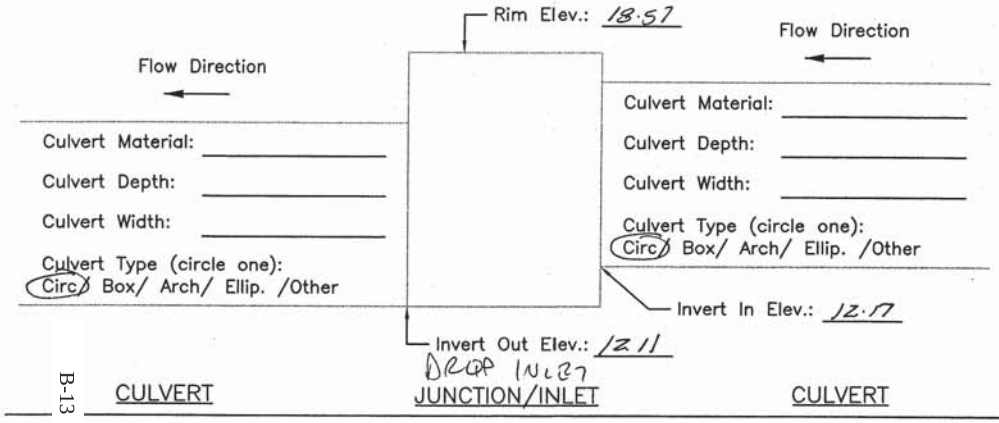


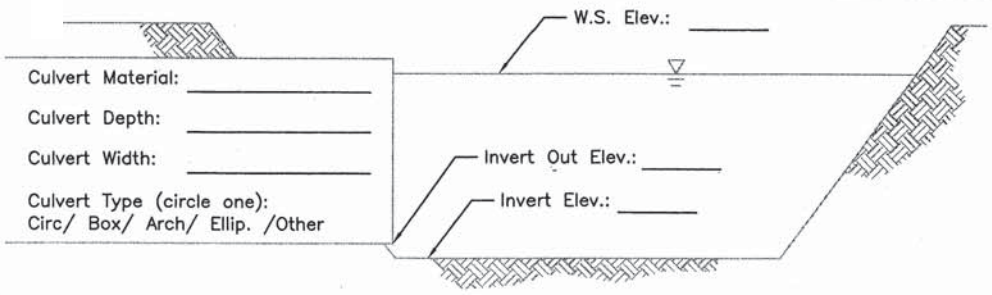
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 194
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



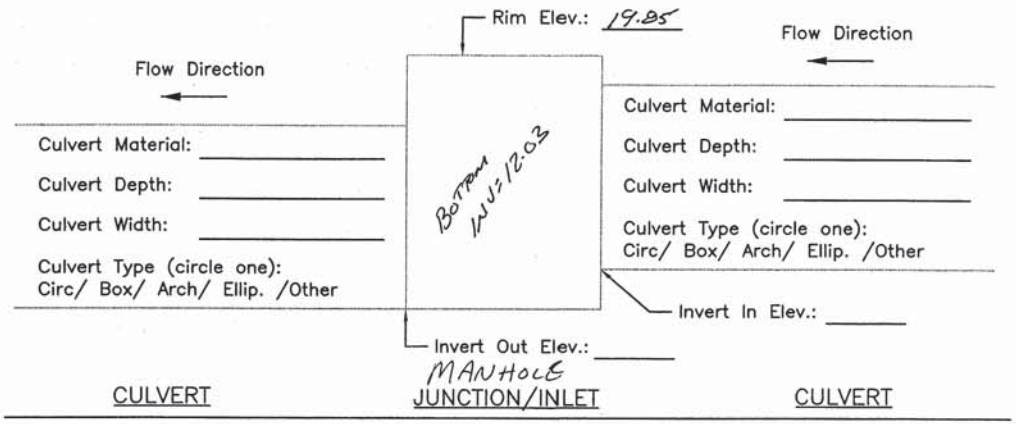


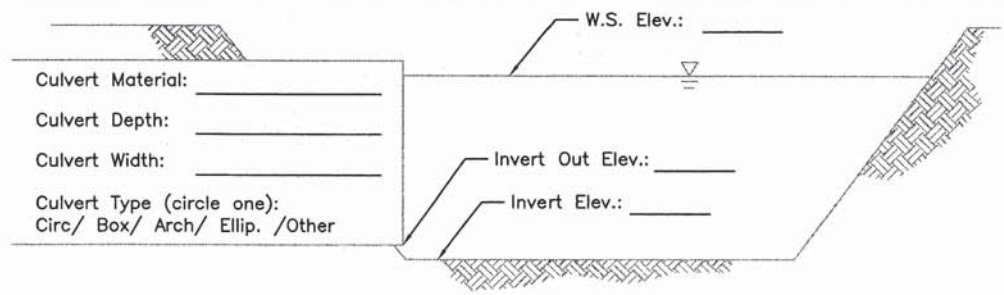
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 196
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



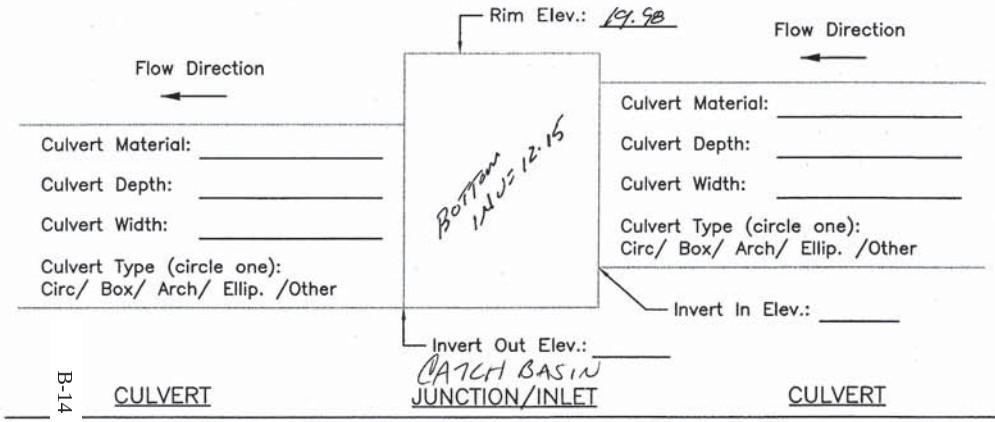


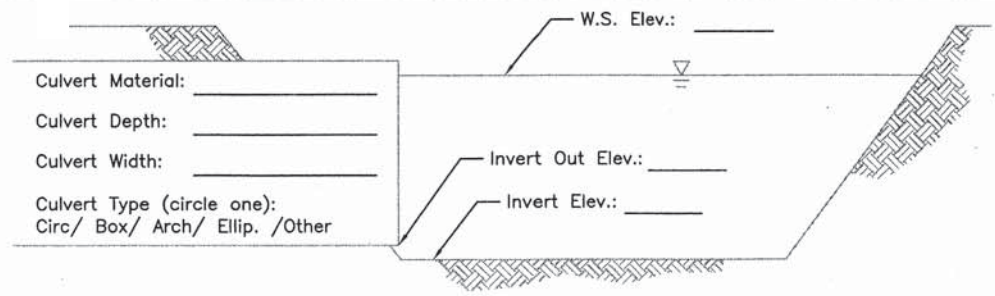
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 198
Location/Nearest Intersection: _____

Date: _____
Surveyed By: _____

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.





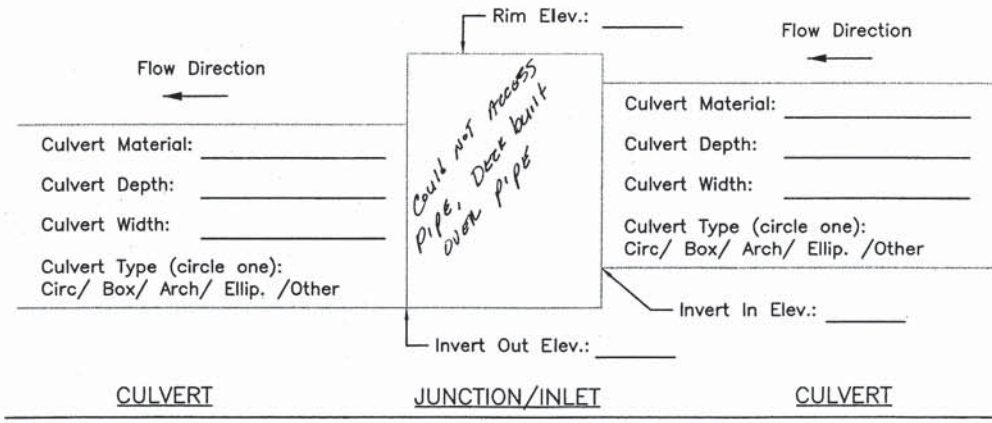
Additional description of the point location:

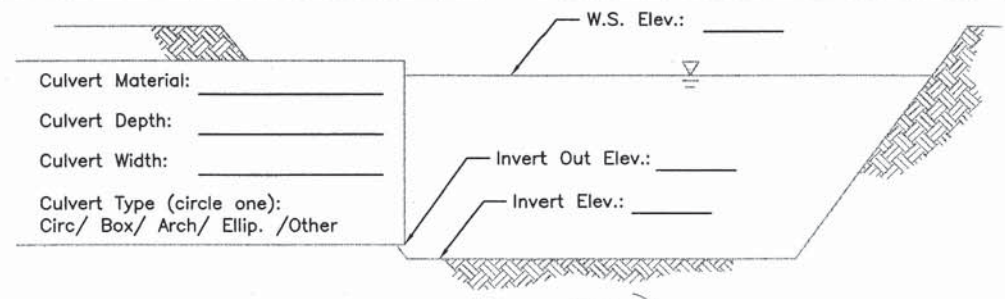
Project: Chesapeake, Kemp Woods
Node/Point #: 202
Location/Nearest Intersection: 11581 ZP2 = ~~1.5~~ 1.0

Date: _____
Surveyed By: _____

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

200 = 9.5



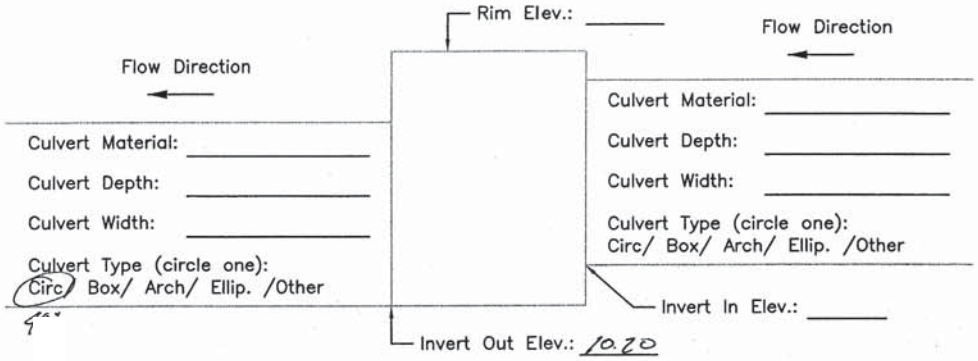


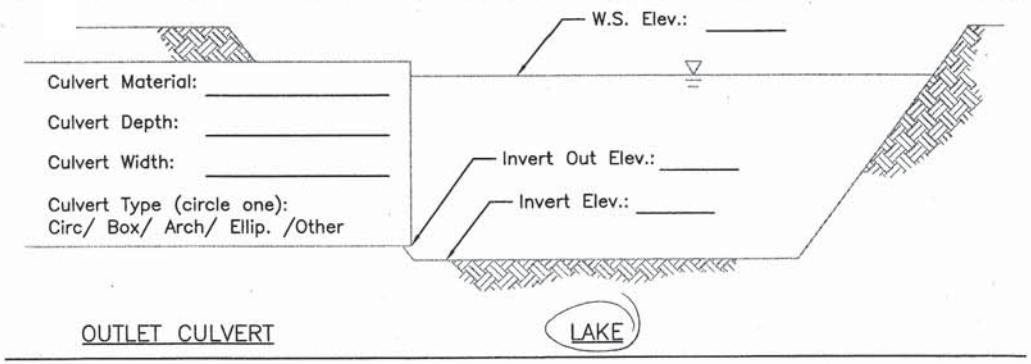
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 204
Location/Nearest Intersection: DS 12401 ZP2 = 0.70

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



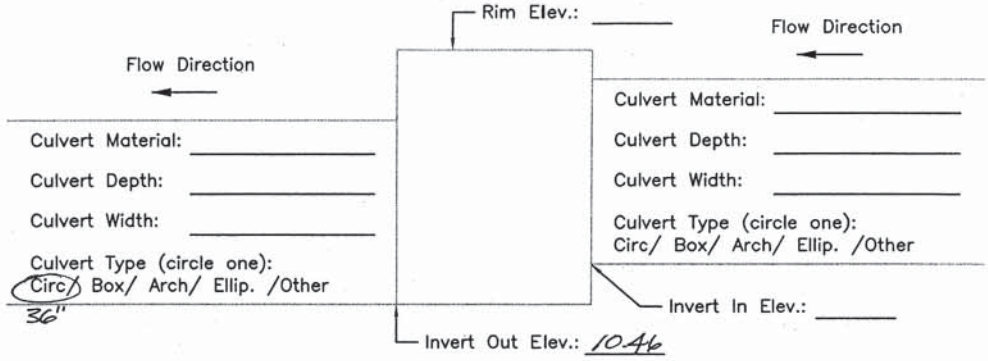


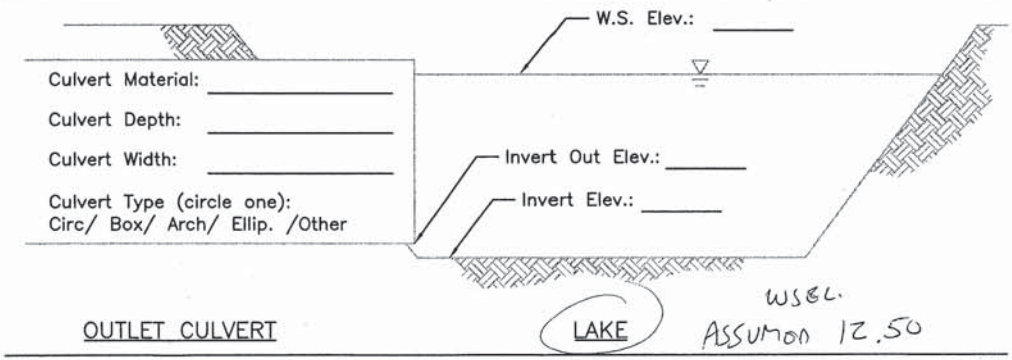
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 206
Location/Nearest Intersection: 12001 ZP1 = 0.96

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

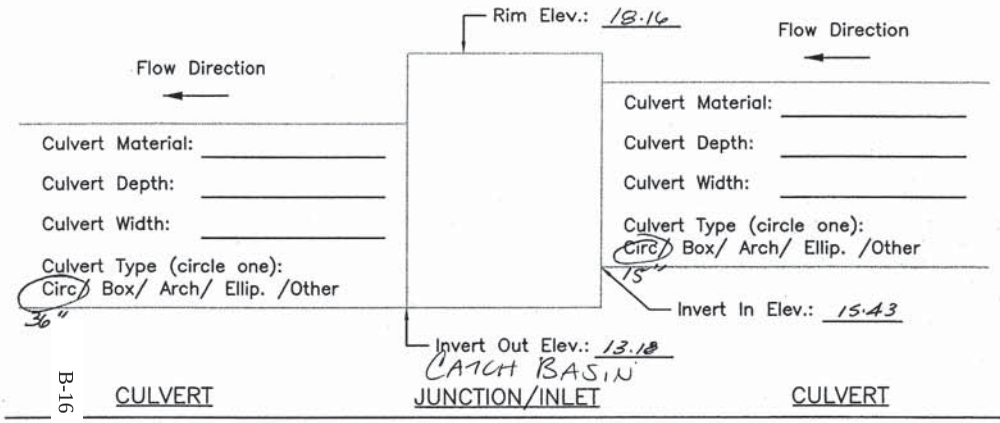


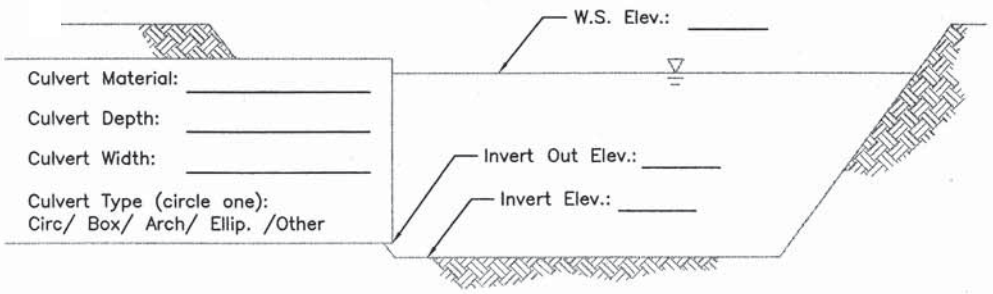


Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 216
Location/Nearest Intersection:
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



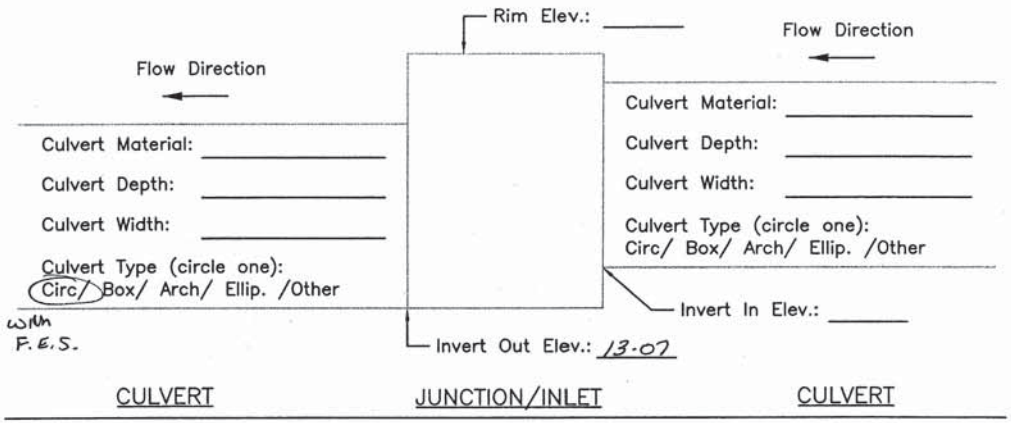


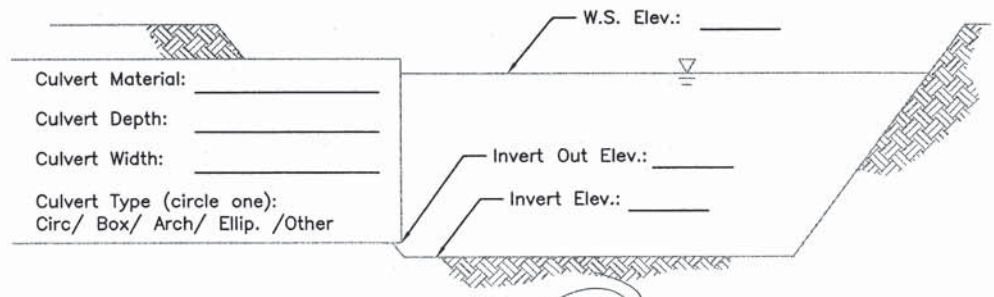
Additional description of the point location:

B-16

Project: Chesapeake, Kemp Woods
Node/Point #: 218
Location/Nearest Intersection: 12161 ZP2 = -0.93
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

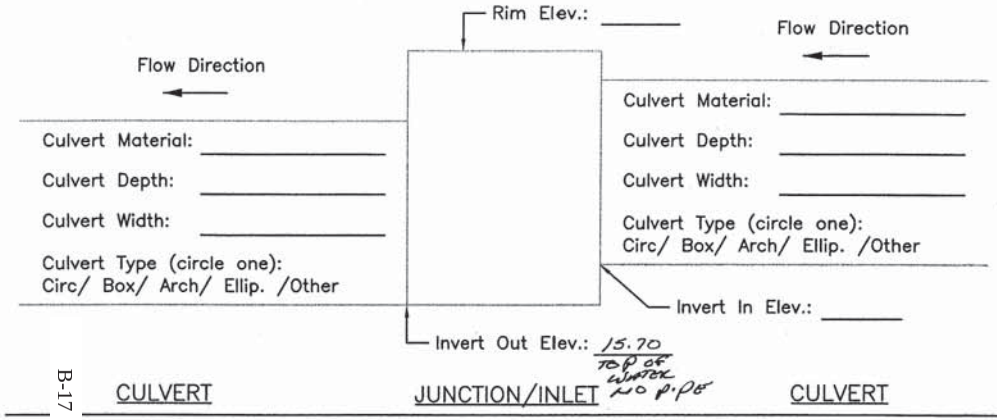


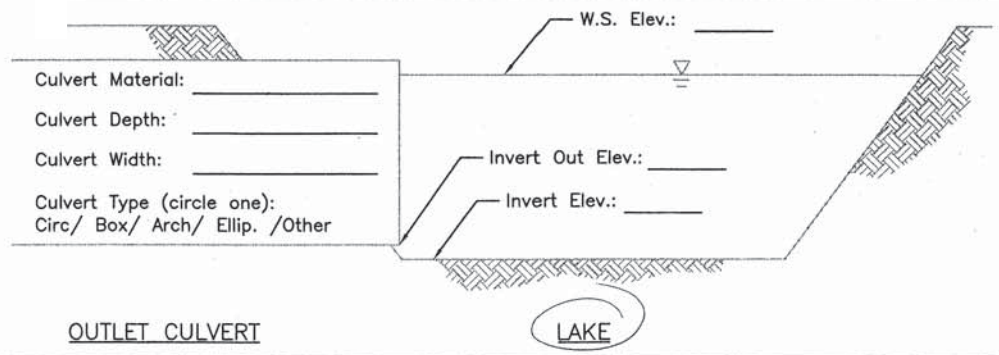


Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 220
Location/Nearest Intersection: ASSUME INV = 14.0 3.5' Ø
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

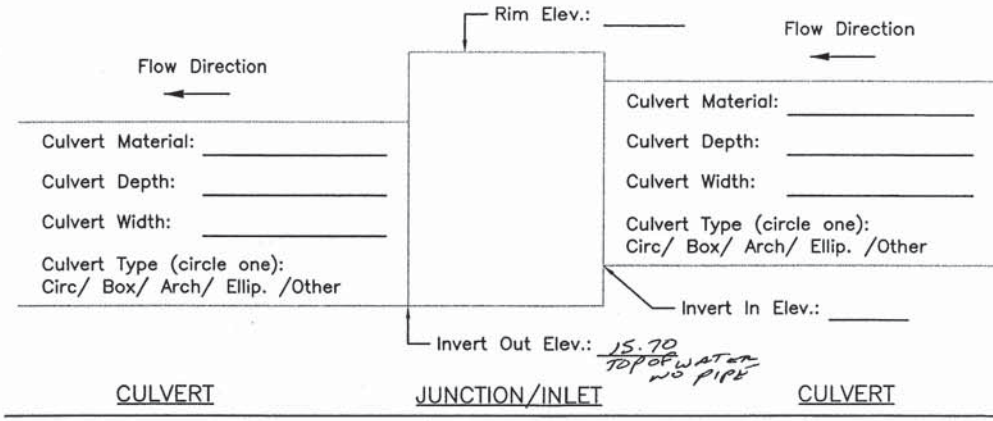


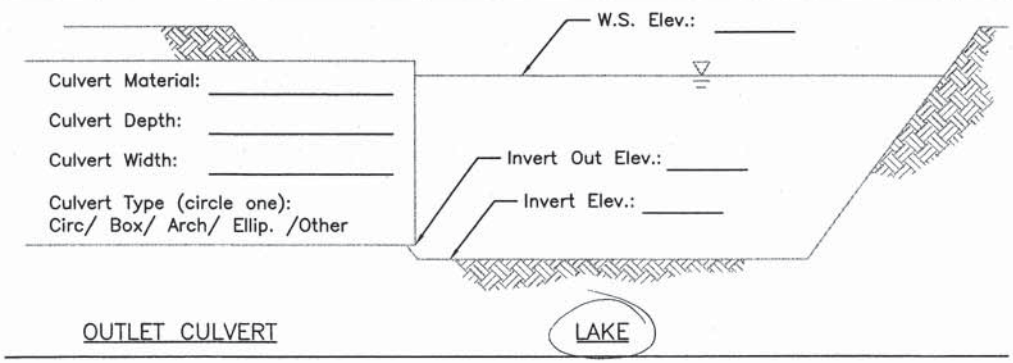


Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 222
Location/Nearest Intersection: 12201 ZP2 = -1.67
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



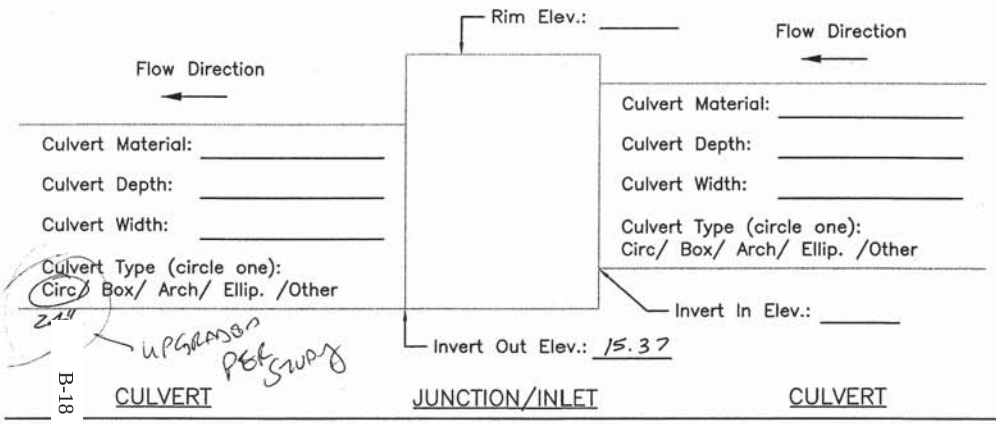


Additional description of the point location:

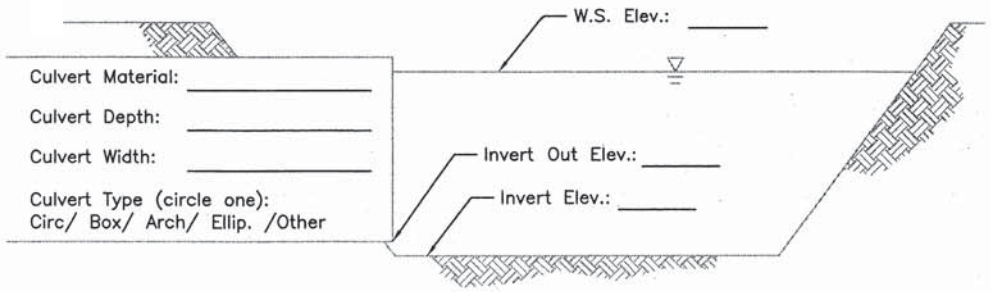
Project: Chesapeake, Kemp Woods
Node/Point #: 224
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT JUNCTION/INLET CULVERT



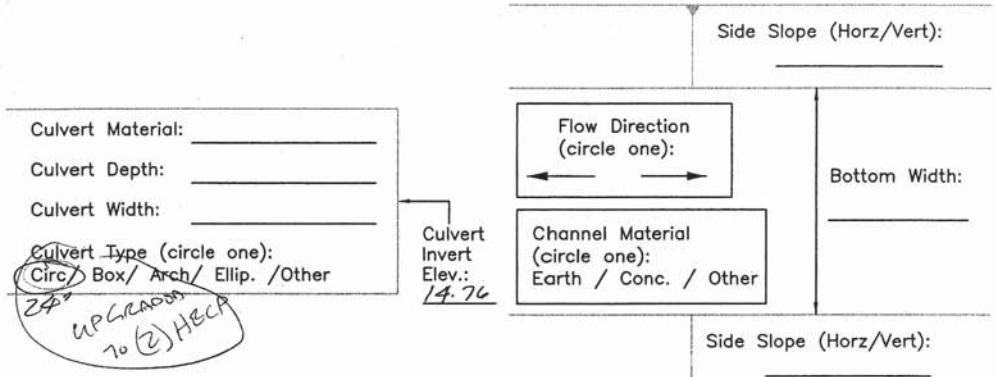
OUTLET CULVERT LAKE

Additional description of the point location:

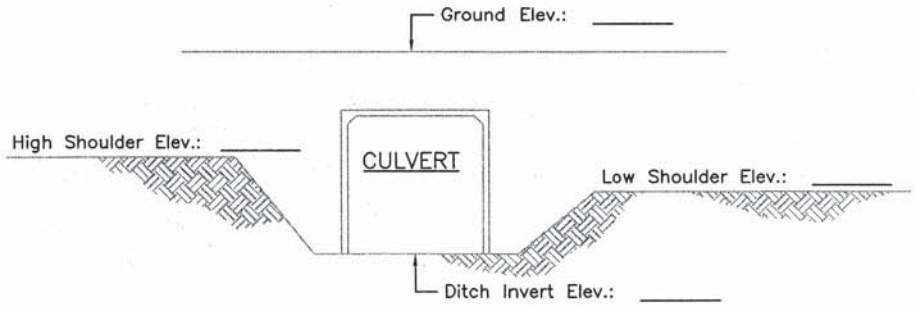
Project: Chesapeake, Kemp Woods
Node/Point #: 228
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT DITCH

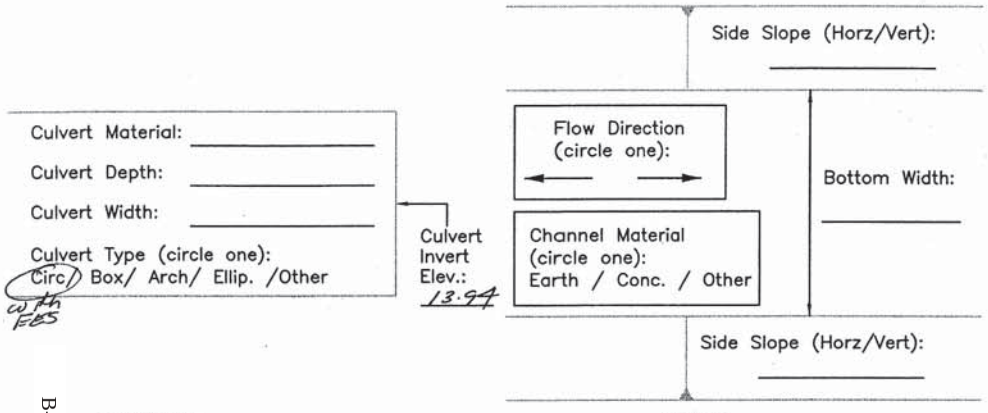


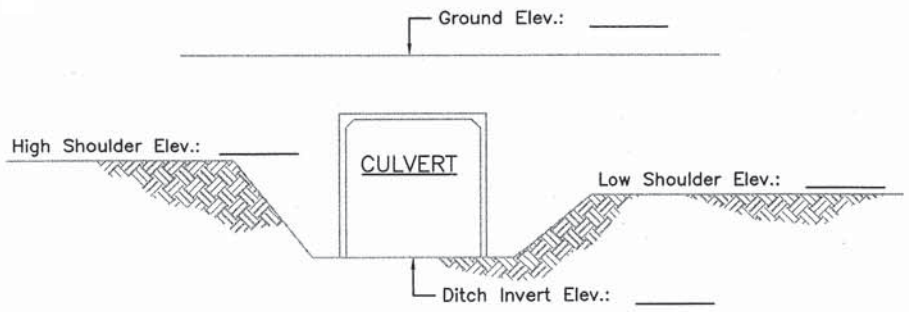
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 232
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



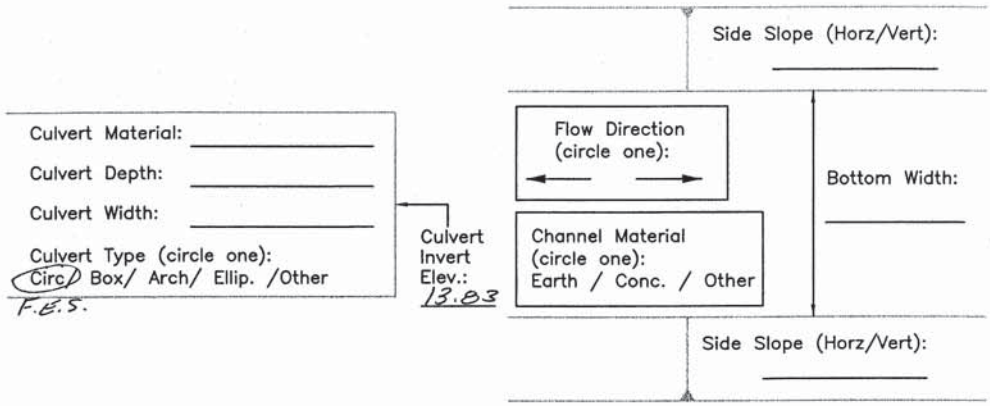


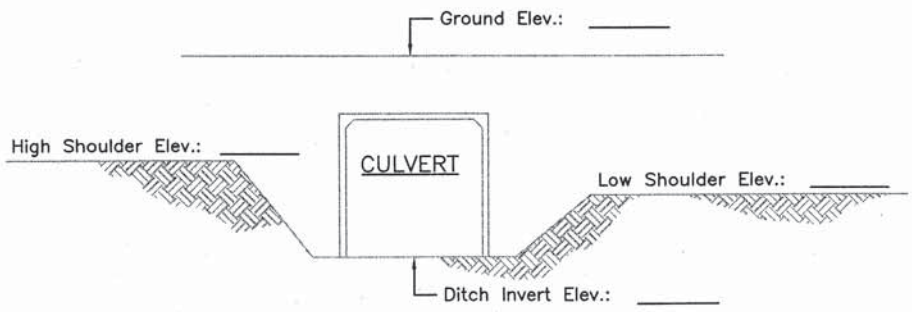
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 234
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

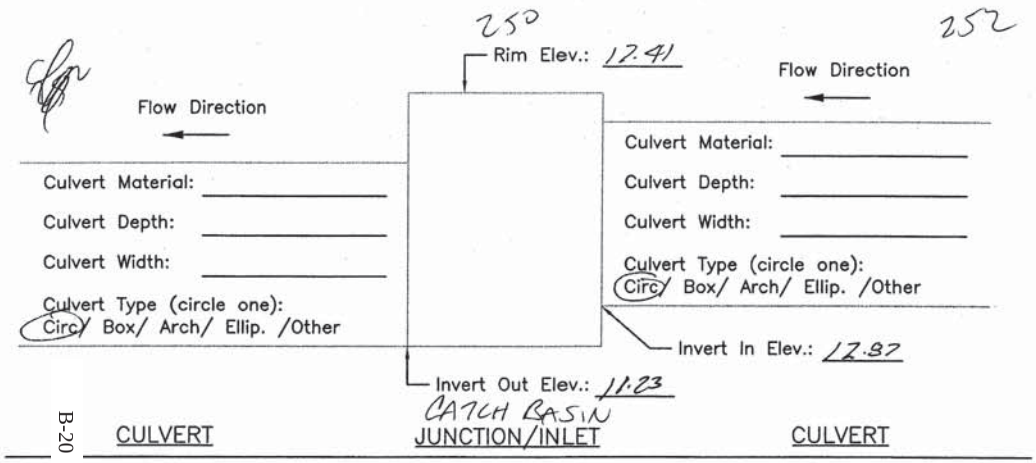


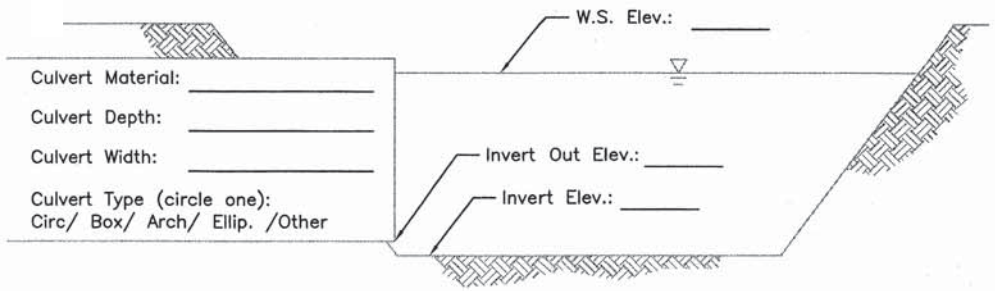


Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 250
Location/Nearest Intersection: 12501 ZP1 = 1,64
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

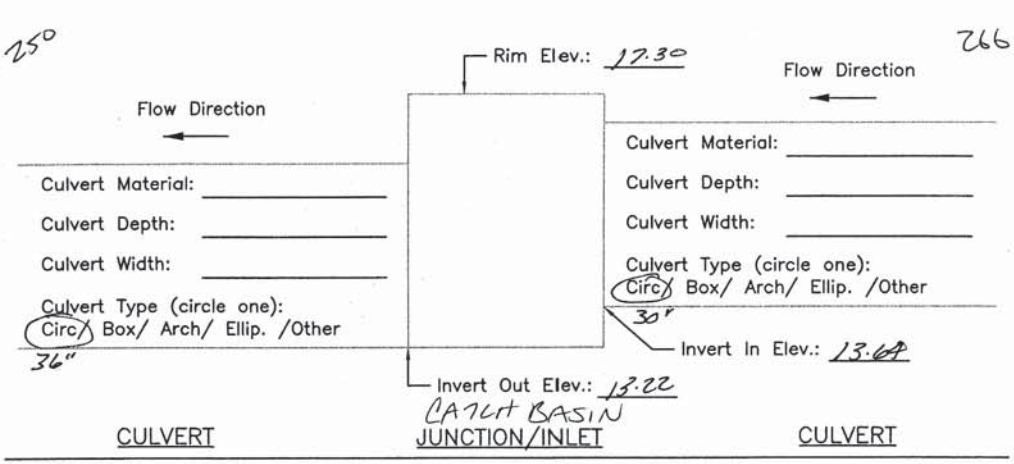


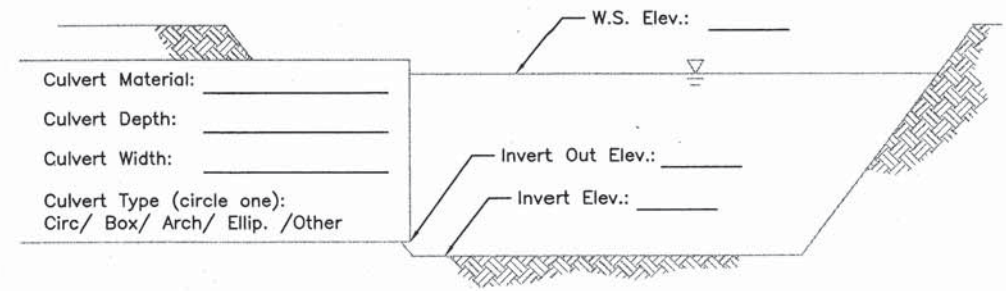


Additional description of the point location:

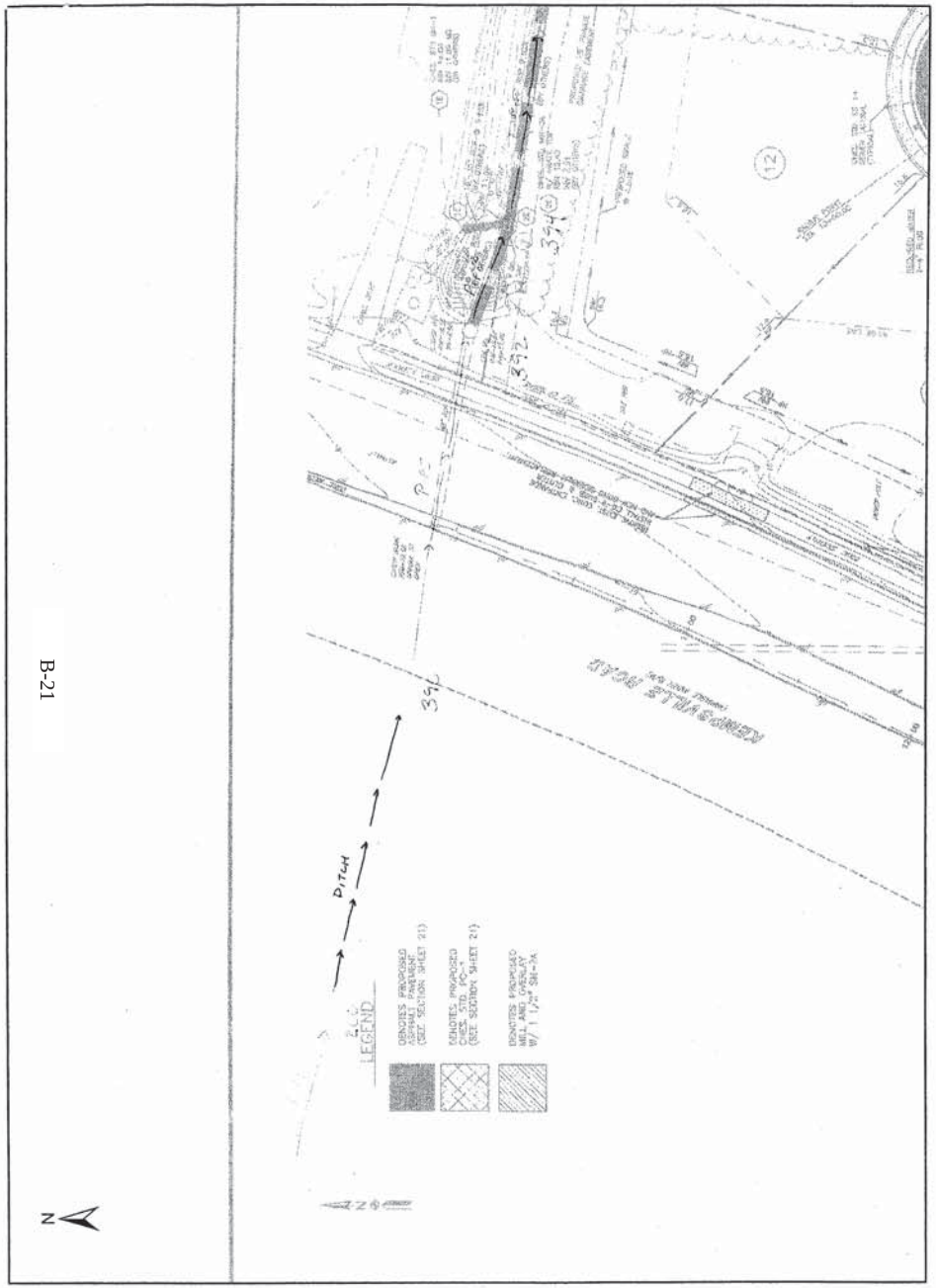
Project: Chesapeake, Kemp Woods
Node/Point #: 252
Location/Nearest Intersection: 12521 ZP1 = 0.42 ZP2 = 3.67
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.





Additional description of the point location:



Project: Chesapeake, Kemp Woods
Node/Point #: 260
Location/Nearest Intersection: _____

Date: _____
Surveyed By: _____

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

Side Slope (Horz/Vert): _____

Culvert Material: _____
Culvert Depth: _____
Culvert Width: _____
Culvert Type (circle one):
(Circ) / Box / Arch / Ellip. / Other

Culvert Invert Elev.: 10.61

Flow Direction (circle one): ← →

Channel Material (circle one): Earth / Conc. / Other

Bottom Width: _____

Side Slope (Horz/Vert): _____

CULVERT DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

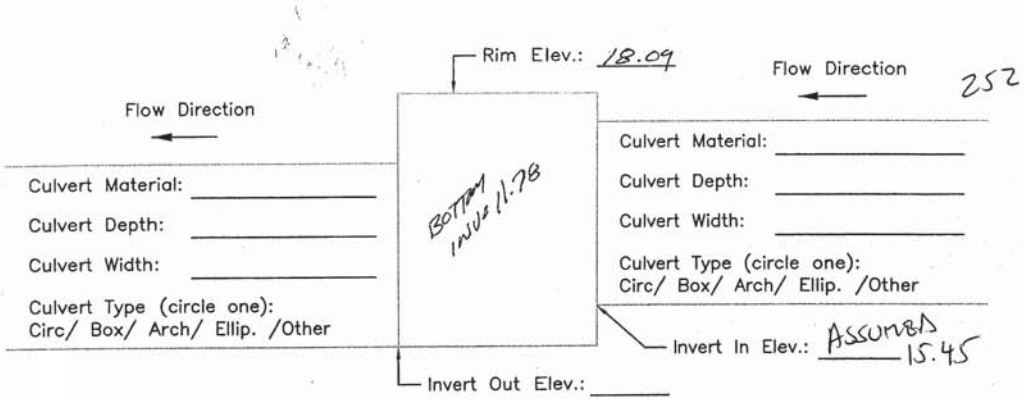
Ditch Invert Elev.: _____

Additional description of the point location: _____

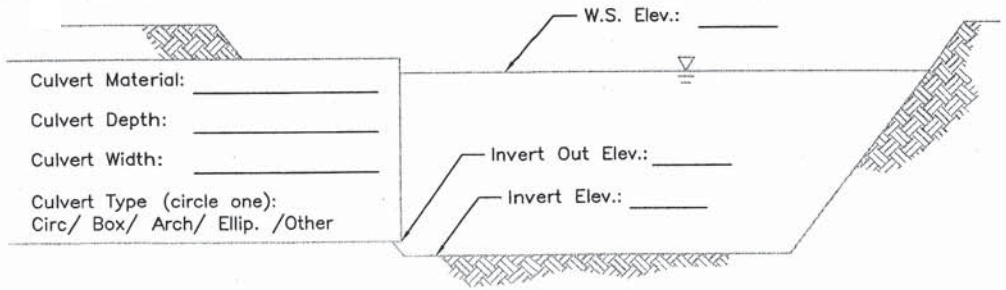
Project: Chesapeake, Kemp Woods
Node/Point #: 266
Location/Nearest Intersection: MANHOLE

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT JUNCTION/INLET CULVERT



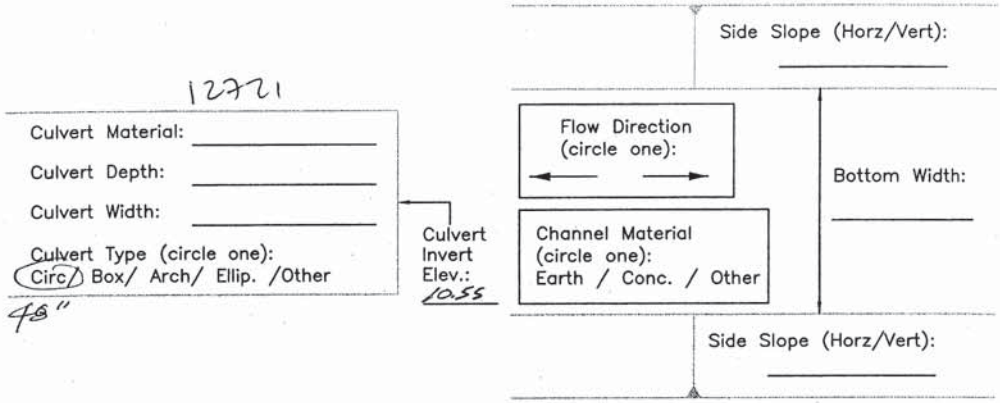
OUTLET CULVERT LAKE

Additional description of the point location:

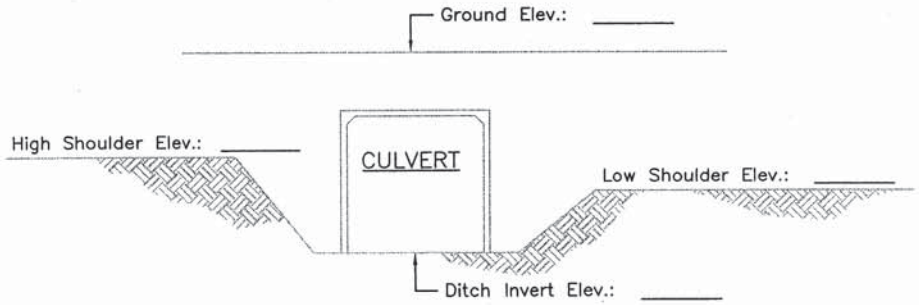
Project: Chesapeake, Kemp Woods
Node/Point #: 274
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT DITCH

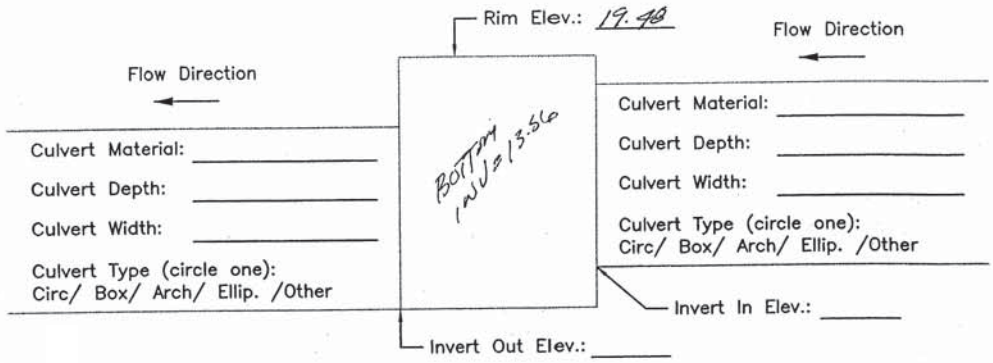


Additional description of the point location:

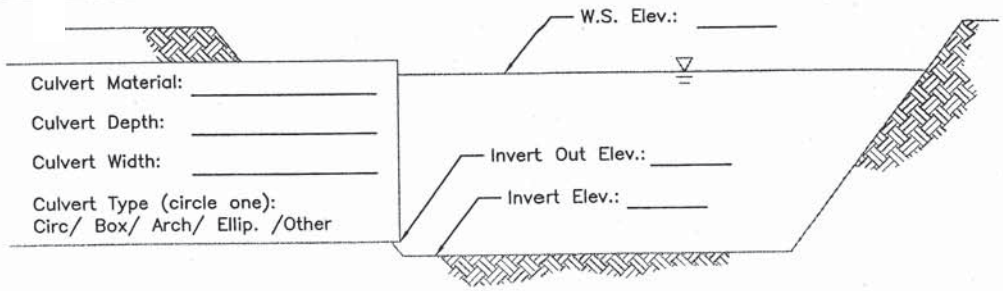
Project: Chesapeake, Kemp Woods
Node/Point #: 284
Location/Nearest Intersection: MANHOLE

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT JUNCTION/INLET CULVERT



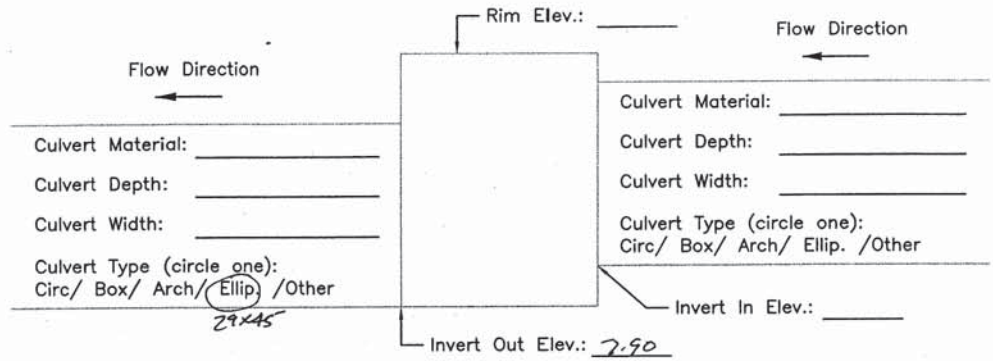
OUTLET CULVERT LAKE

Additional description of the point location:

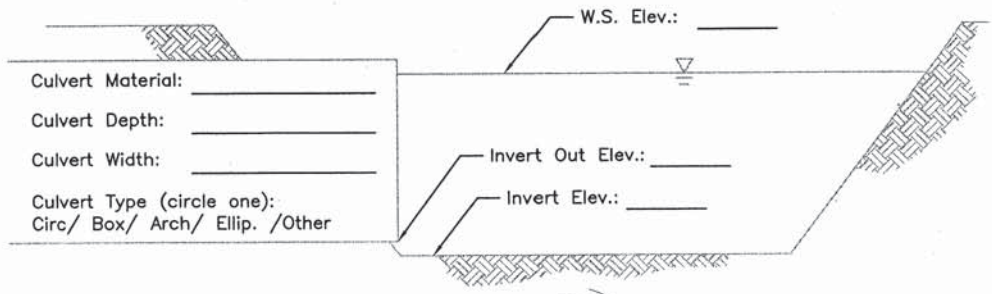
Project: Chesapeake, Kemp Woods
Node/Point #: 326
Location/Nearest Intersection: DS of 13221 & 282=1.28

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT JUNCTION/INLET CULVERT



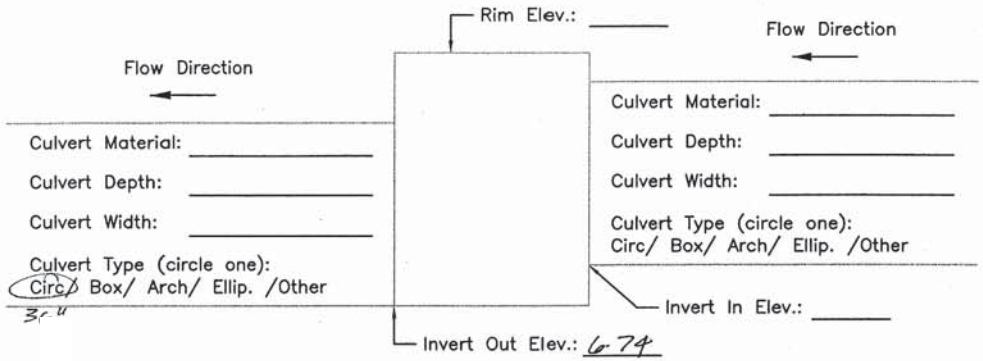
OUTLET CULVERT LAKE

Additional description of the point location:

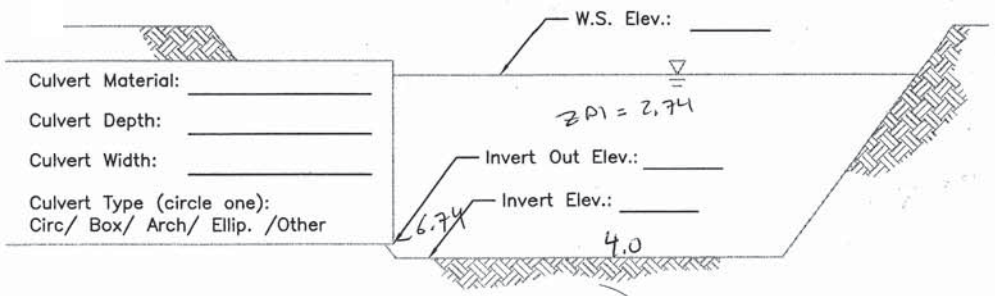
Project: Chesapeake, Kemp Woods
Node/Point #: 340
Location/Nearest Intersection: _____

Date: _____
Surveyed By: _____

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT JUNCTION/INLET CULVERT



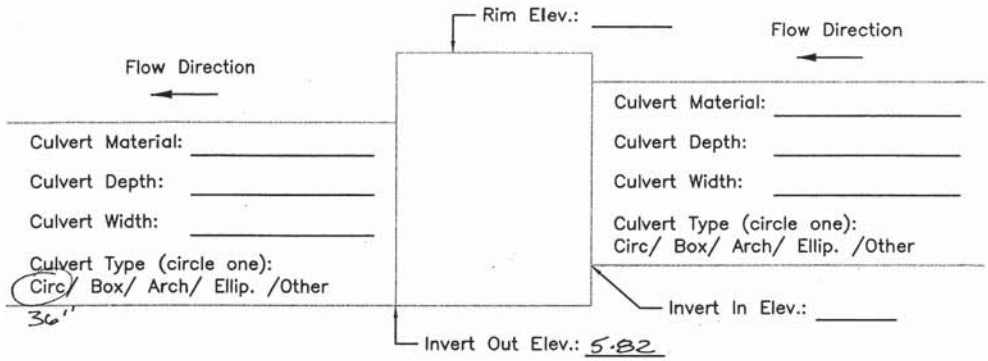
OUTLET CULVERT LAKE

Additional description of the point location:

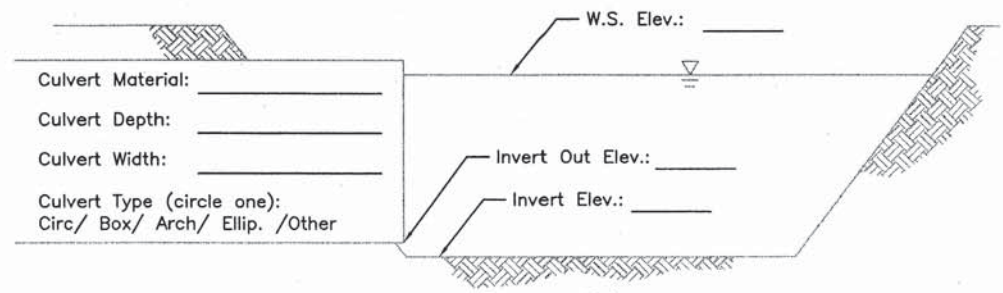
Project: Chesapeake, Kemp Woods
Node/Point #: 342
Location/Nearest Intersection: DS of 13401 ZP2 = -1.16

Date: _____
Surveyed By: _____

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT JUNCTION/INLET CULVERT



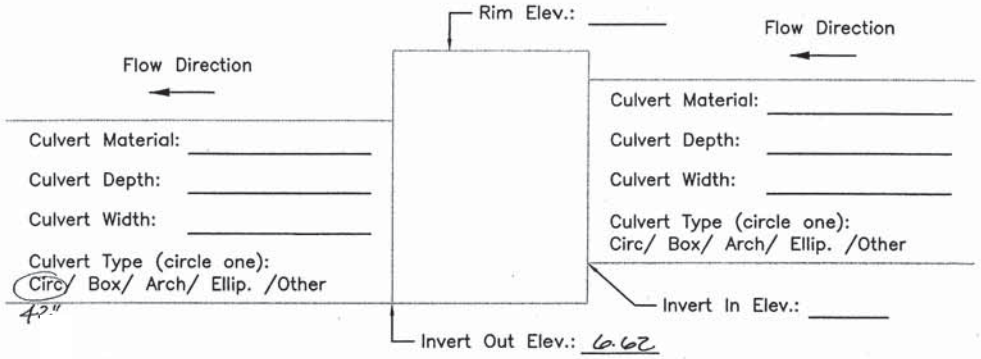
OUTLET CULVERT LAKE

Additional description of the point location:

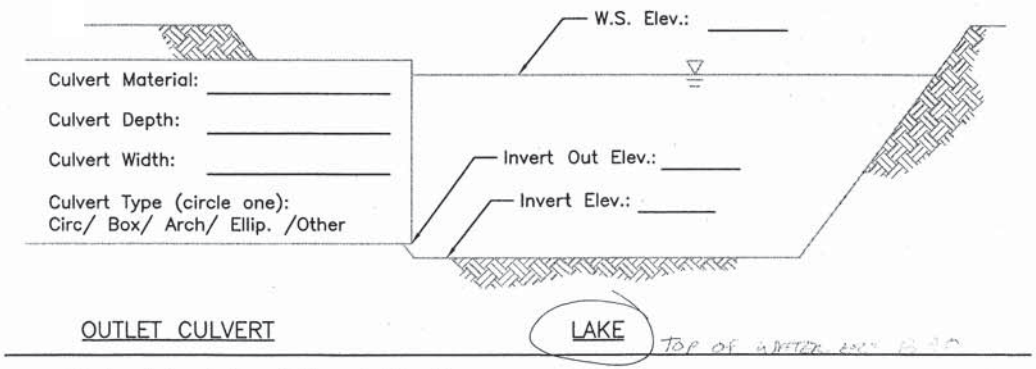
Project: Chesapeake, Kemp Woods
Node/Point #: 348
Location/Nearest Intersection: _____

Date: _____
Surveyed By: _____

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT JUNCTION/INLET CULVERT

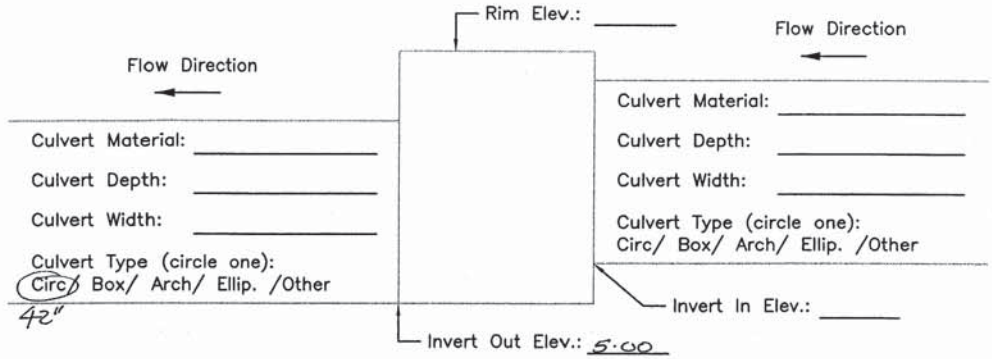


Additional description of the point location:

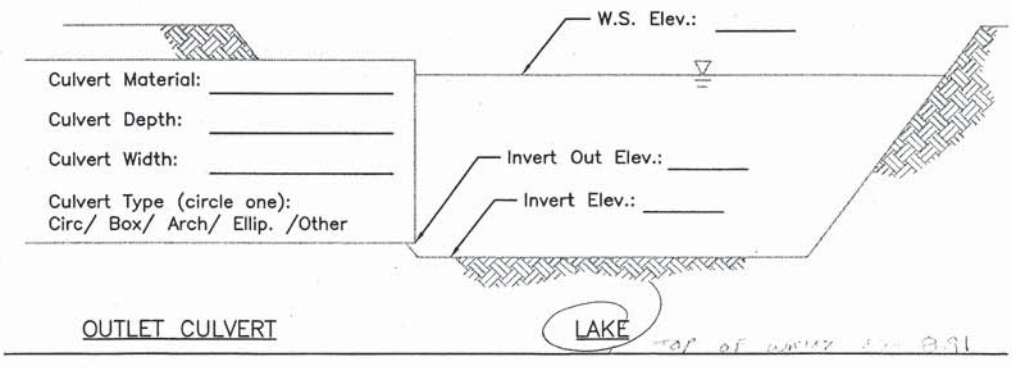
Project: Chesapeake, Kemp Woods
Node/Point #: 350
Location/Nearest Intersection: DS 8 13481 ZP2 = -1.98

Date: _____
Surveyed By: _____

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT JUNCTION/INLET CULVERT

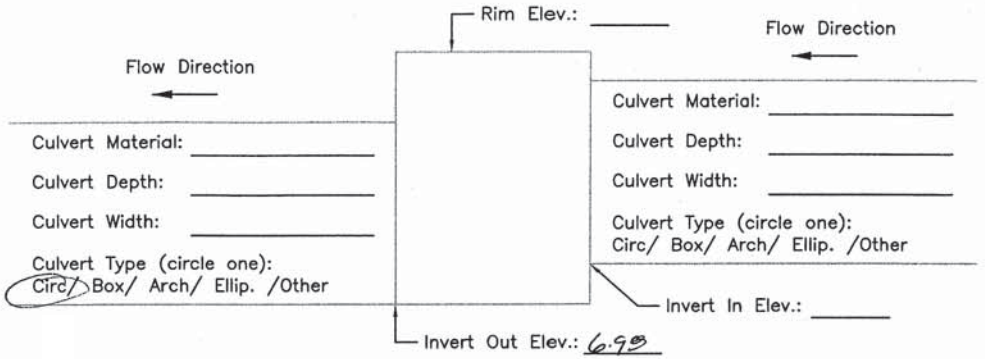


Additional description of the point location:

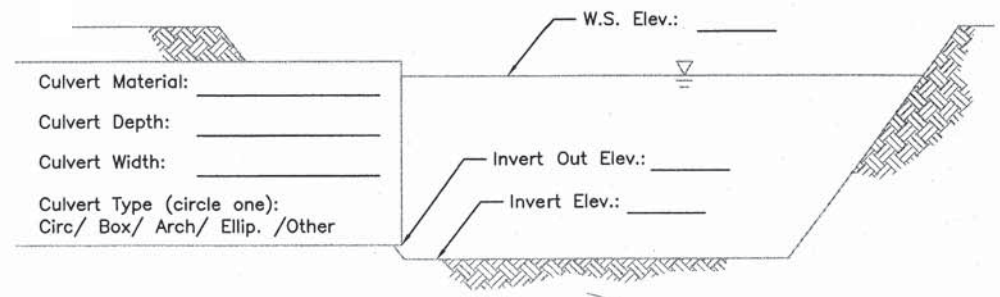
Project: Chesapeake, Kemp Woods
Node/Point #: 354
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

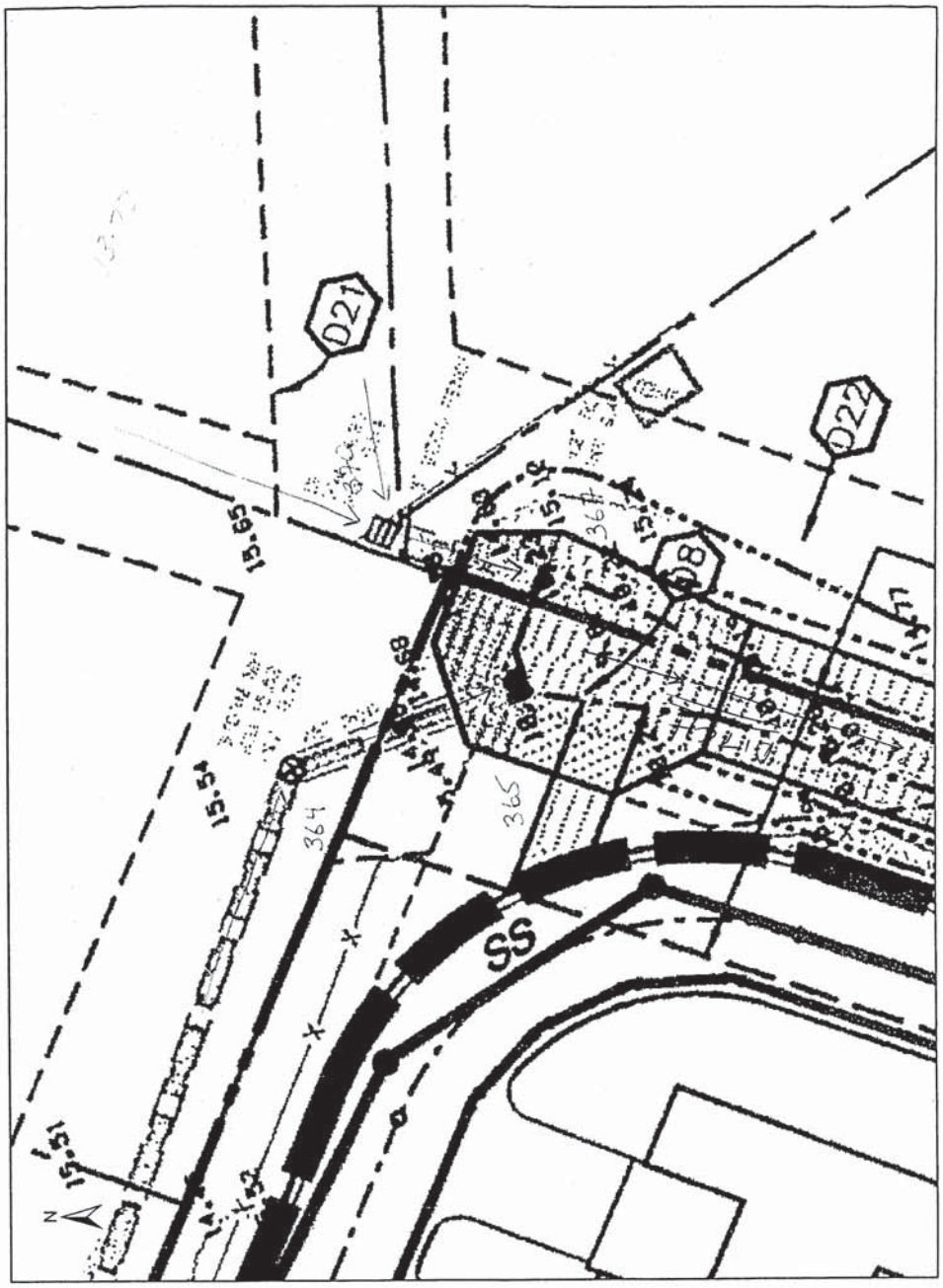


CULVERT JUNCTION/INLET CULVERT



OUTLET CULVERT LAKE Top of water el: 8.91

Additional description of the point location:

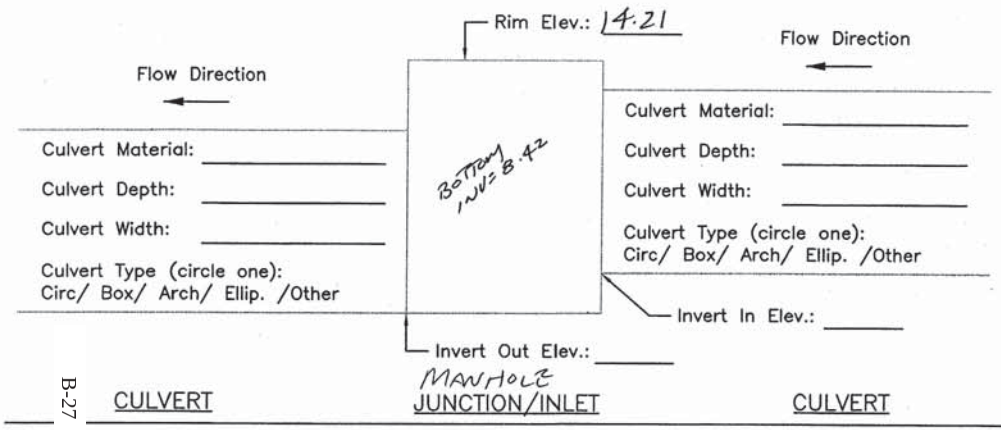


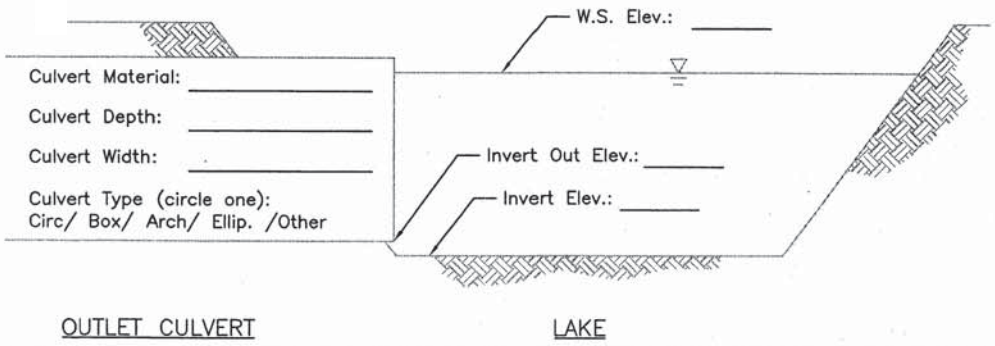
Points 364, 365, 367 & 370

Project: Chesapeake, Kemp Woods
Node/Point #: 364
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



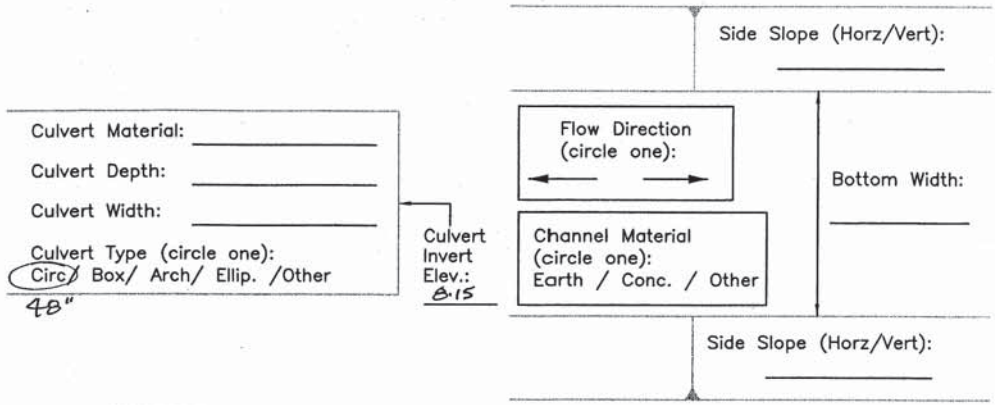


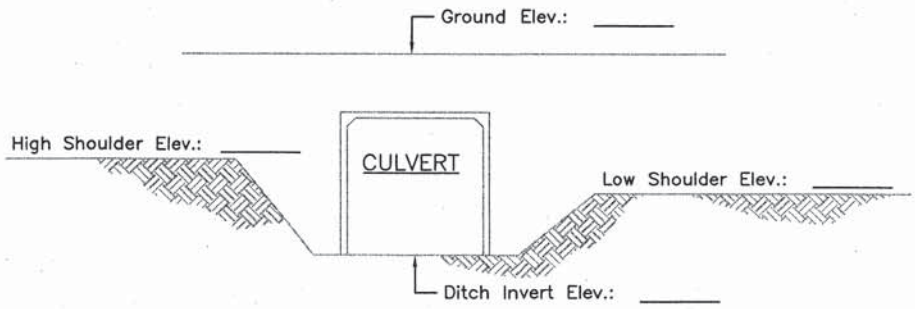
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 365
Location/Nearest Intersection: DS of 13641 EP 220.03

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



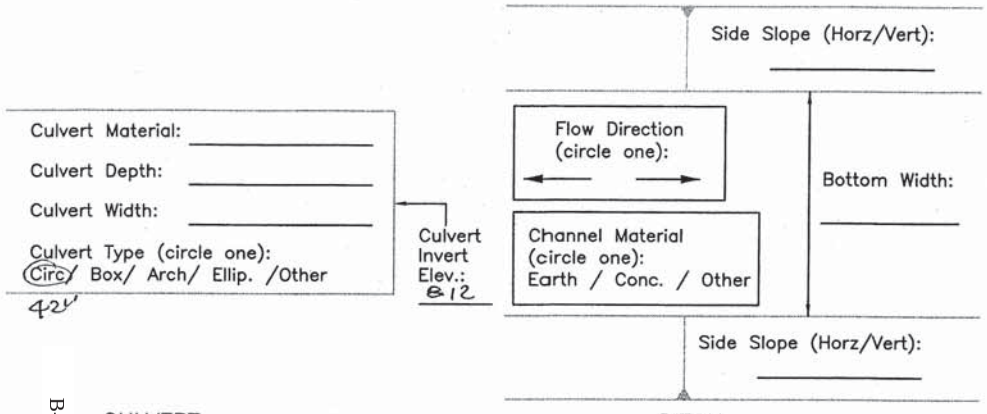


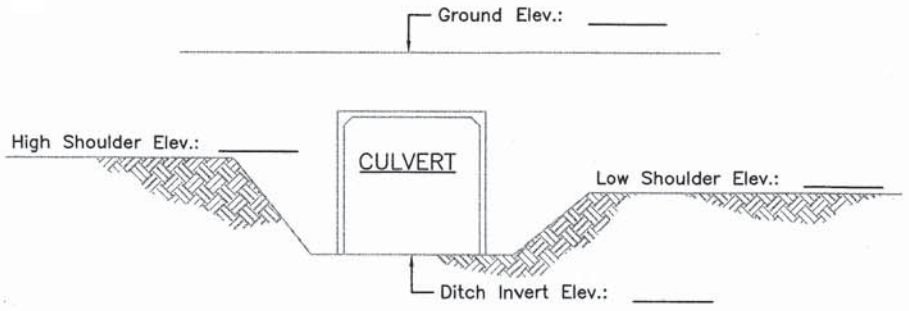
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 367
Location/Nearest Intersection: DS of 13701

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



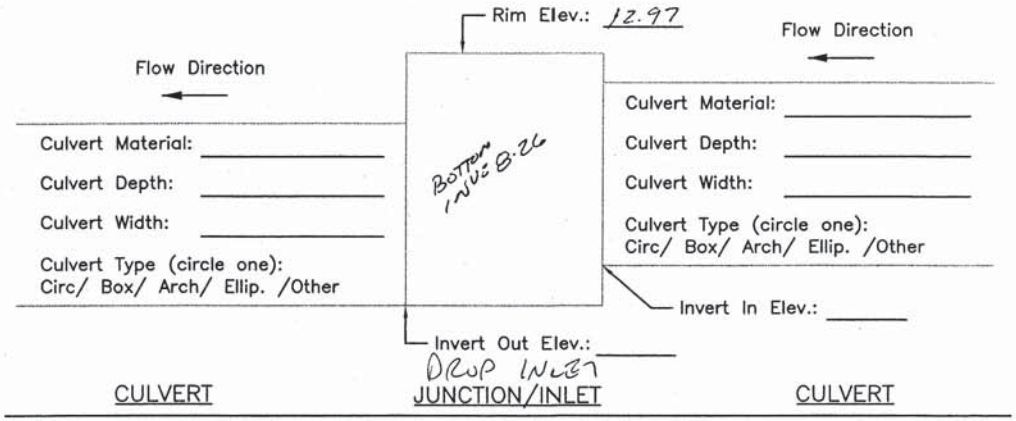


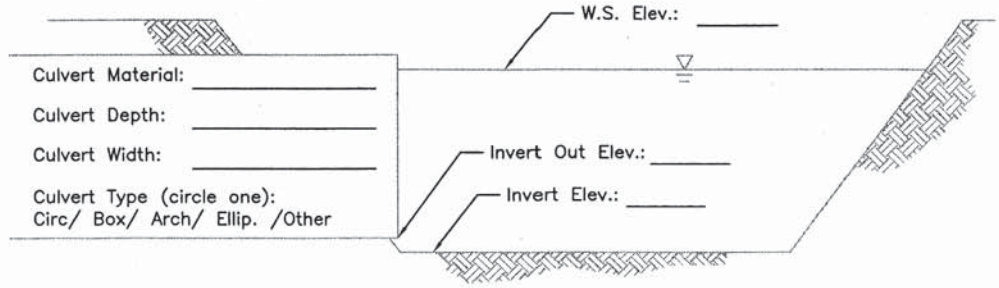
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 370
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.





Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 378
Location/Nearest Intersection: INVERTS/SIZES for ALL PIPES/DITCH

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.
WEIR DATA from POND IF EXIST.: ELEV, WIDTH, ETC.

Side Slope (Horz/Vert):

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

Culvert Invert Elev.:

Flow Direction (circle one):

Channel Material (circle one):
Earth / Conc. / Other

Bottom Width:

Side Slope (Horz/Vert):

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.: CULVERT Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 382
Location/Nearest Intersection: D.S. SIDE of CROSSING INVERTS/SIZES for ALL PIPES/DITCH

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

Side Slope (Horz/Vert):

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ (Ellip) /Other
58"x90"

Culvert Invert Elev.: 6.90

Flow Direction (circle one):

Channel Material (circle one):
Earth / Conc. / Other

Bottom Width:

Side Slope (Horz/Vert):

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.: CULVERT Low Shoulder Elev.:

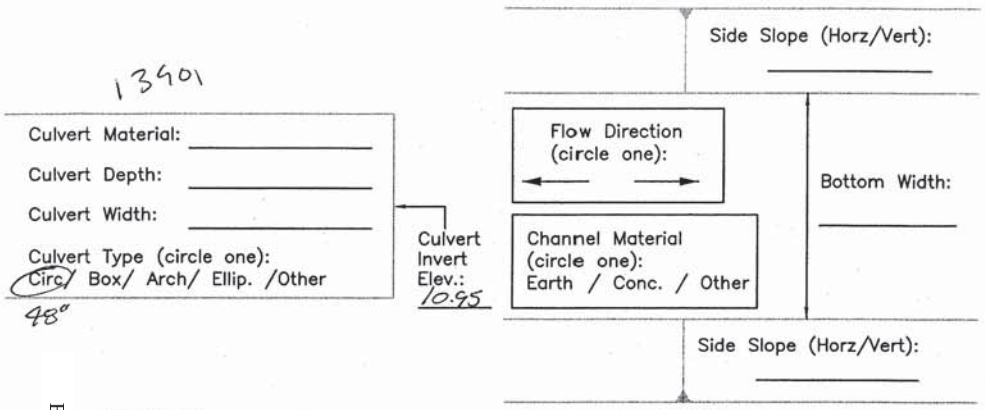
Ditch Invert Elev.:

Additional description of the point location:

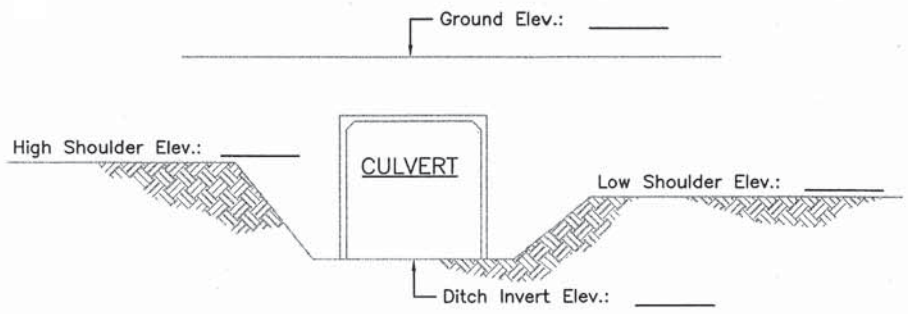
Project: Chesapeake, Kemp Woods
Node/Point #: 390
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT DITCH

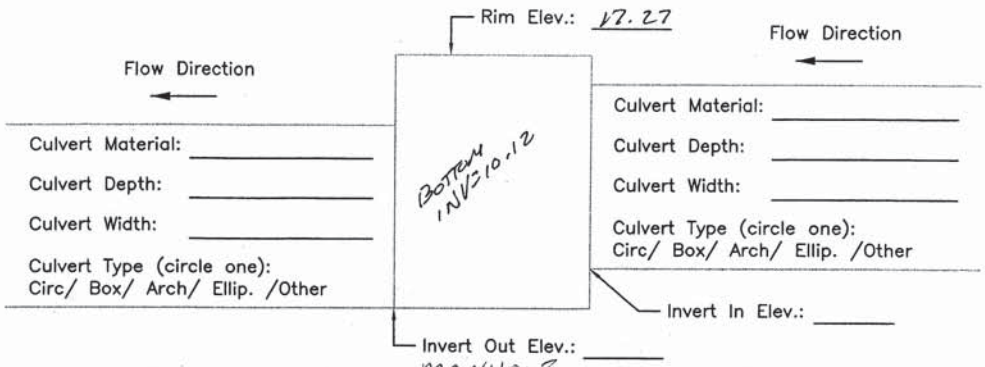


Additional description of the point location:

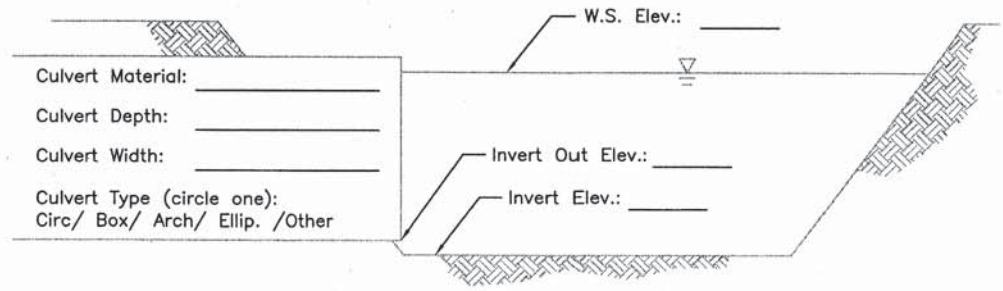
Project: Chesapeake, Kemp Woods
Node/Point #: ~~325~~ 392
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT JUNCTION/INLET CULVERT



OUTLET CULVERT LAKE

Additional description of the point location:

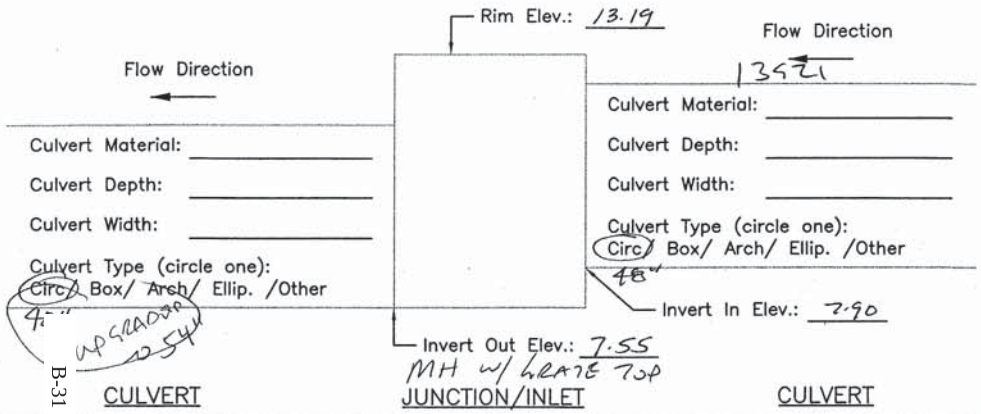
Project: Chesapeake, Kemp Woods
Node/Point #: 394
Location/Nearest Intersection:

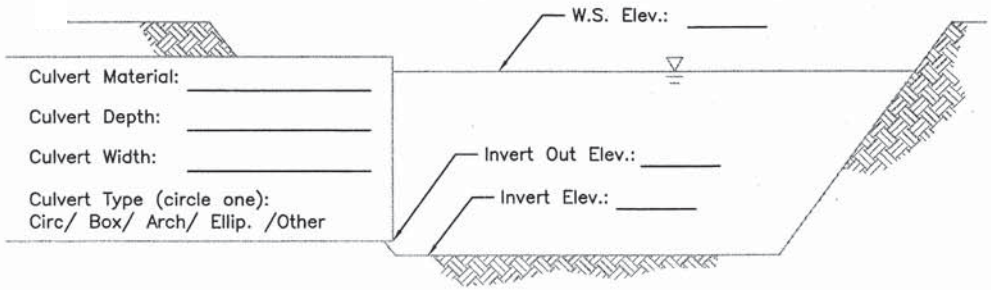
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

NO RIM ON STRUCTURE ELEV. IS TOP OF BRICK

ZP2 = 0.35





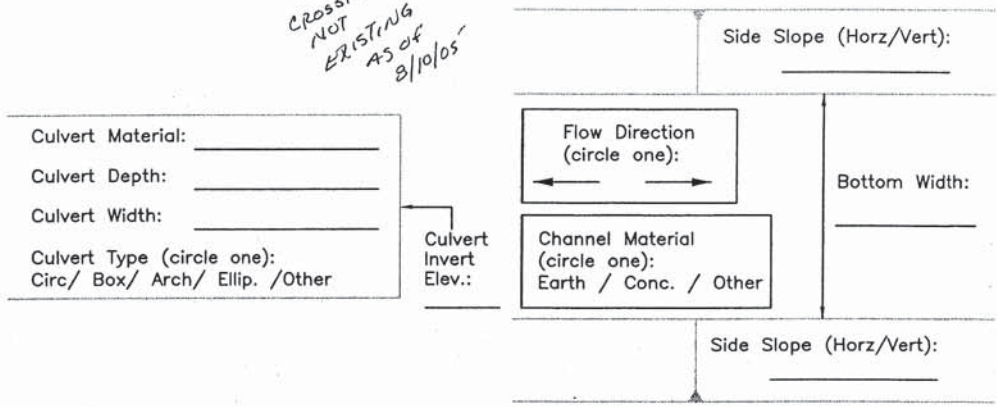
Additional description of the point location:

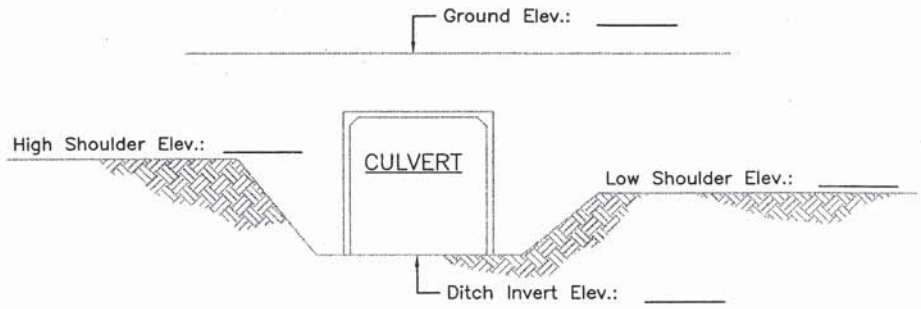
Project: Chesapeake, Kemp Woods
Node/Point #: 400
Location/Nearest Intersection: DS. SIDE OF CROSSING

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

CROSSING NOT EXISTING AS OF 8/10/05





Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 410
Location/Nearest Intersection: ~~OF~~ OUTFALL FROM POND

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.
WEIR DATA IF EXIST: ELEV, WIDTH, ETC.

NO PIPE SET AS OF 8/10/05

Side Slope (Horz/Vert):

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

Culvert Invert Elev.:

Flow Direction (circle one): ← →

Channel Material (circle one):
Earth / Conc. / Other

Bottom Width:

Side Slope (Horz/Vert):

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 418
Location/Nearest Intersection: DOWNSTREAM SIDE OF CROSSING INVERTS/SIZES OF ALL PIPES & DITCH

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

m=2
b=10
y=6.4

14181

418

Side Slope (Horz/Vert): 14/12.3

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

Culvert Invert Elev.:

Flow Direction (circle one): ← →

Channel Material (circle one):
Earth / Conc. / Other

Bottom Width: 10'/5.9

Side Slope (Horz/Vert): 13/13.2

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 422
Location/Nearest Intersection: OUTFALL FROM LAKE

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.
WEIR DATA IF EXISTS: ELEV., WIDTH, ETC

124 14241 422

Culvert Material: ZP2=0.15 6.12
Culvert Depth:
Culvert Width:
Culvert Type (circle one): (Circ) / Box/ Arch/ Ellip. /Other
TWIN 2 1/2" PLASTIC

2

Culvert Invert Elev.: 46.55 56.52

Flow Direction (circle one): ← →

Channel Material (circle one): Earth / Conc. / Other

Side Slope (Horz/Vert):
Bottom Width:
Side Slope (Horz/Vert):

CULVERT DITCH

B-33

Ground Elev.:

High Shoulder Elev.: CULVERT Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 438
Location/Nearest Intersection: OUTFALL

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

14401 ZP2 = 0.64

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one): (Circ) / Box/ Arch/ Ellip. /Other
36"

Culvert Invert Elev.: 4.64

Flow Direction (circle one): ← →

Channel Material (circle one): Earth / Conc. / Other

Side Slope (Horz/Vert):
Bottom Width:
Side Slope (Horz/Vert):

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.: CULVERT Low Shoulder Elev.:

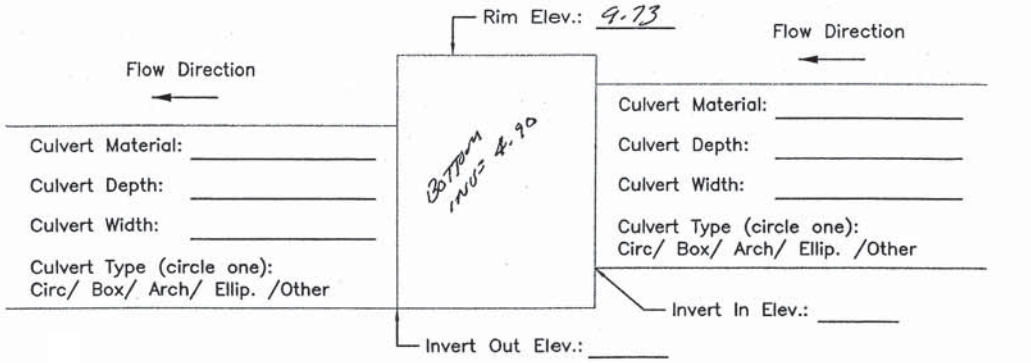
Ditch Invert Elev.:

Additional description of the point location:

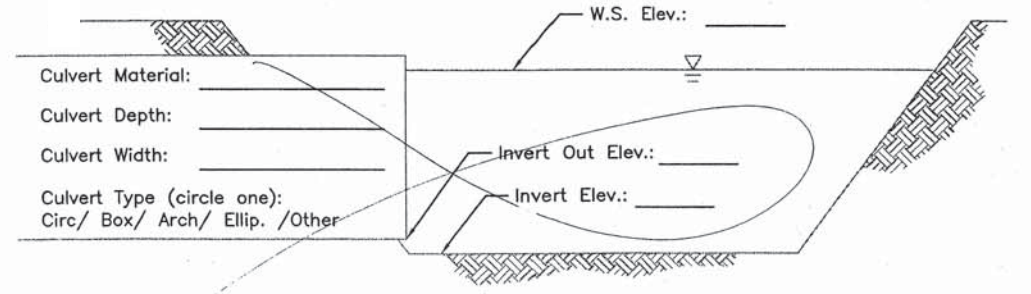
Project: Chesapeake, Kemp Woods
Node/Point #: 440
Location/Nearest Intersection: MANHOLE

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT | JUNCTION/INLET | CULVERT



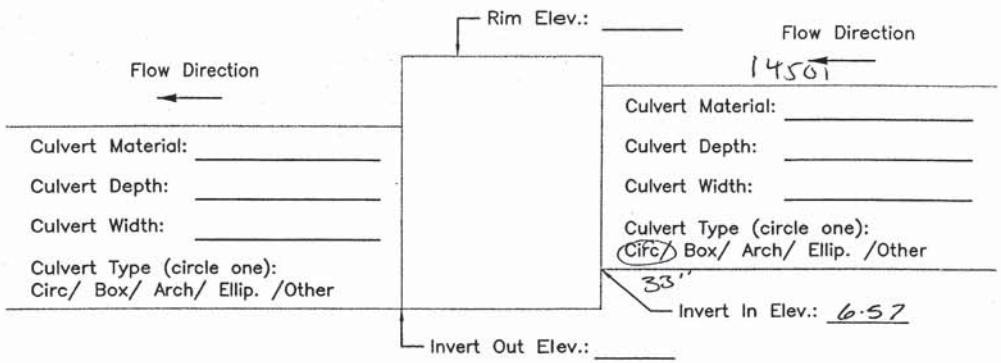
OUTLET CULVERT | LAKE

Additional description of the point location:

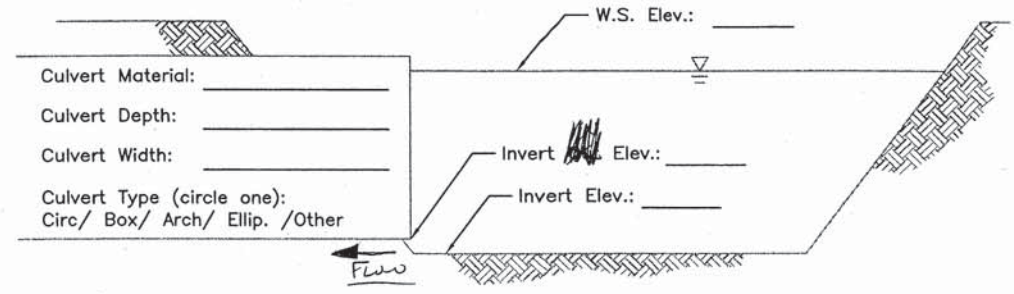
Project: Chesapeake, Kemp Woods
Node/Point #: 450
Location/Nearest Intersection: OUTFALL

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.
WEIR DATA IF EXISTS: ELEV, WIDTH, ETC.



CULVERT | JUNCTION/INLET | CULVERT



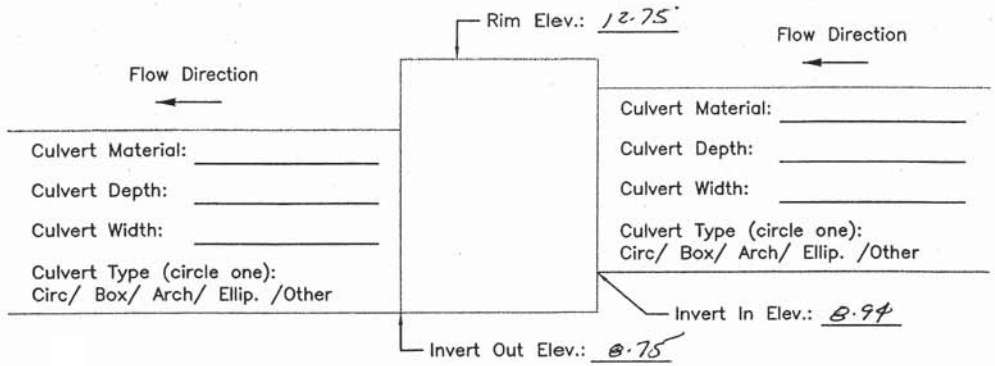
OUTLET CULVERT | LAKE

Additional description of the point location:

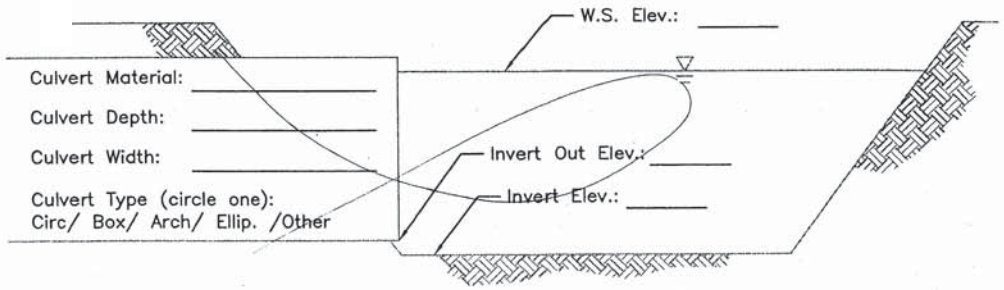
Project: Chesapeake, Kemp Woods
Node/Point #: 466
Location/Nearest Intersection: DROP INLET

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT JUNCTION/INLET CULVERT



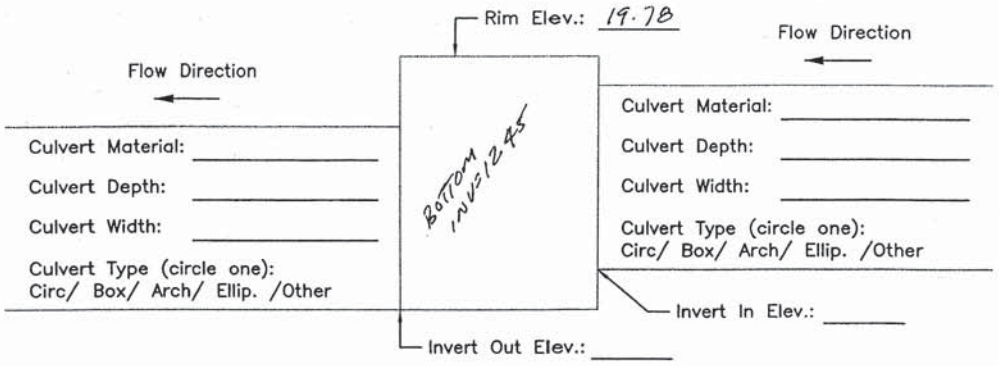
OUTLET CULVERT LAKE

Additional description of the point location:

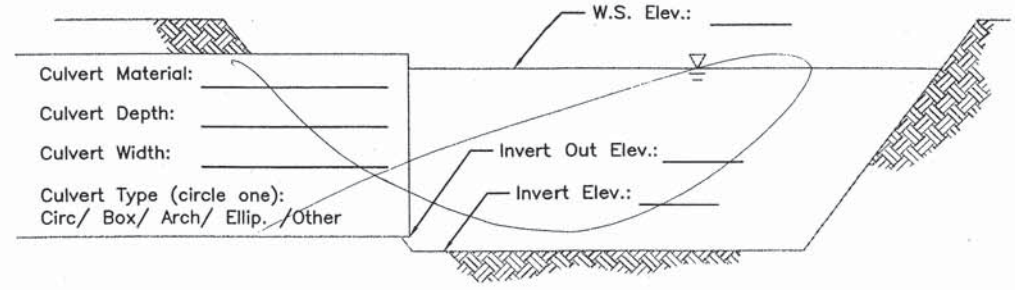
Project: Chesapeake, Kemp Woods
Node/Point #: 468
Location/Nearest Intersection: MANHOLE

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT JUNCTION/INLET CULVERT



OUTLET CULVERT LAKE

Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 470
Location/Nearest Intersection: TYPICAL SIZES OF MAIN DITCH & BRANCH (EAST)
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

14721 (100)
b = 4'
y = 4.0
m = 1 : 1.5

14801 & 14701 (MAIN)
b = 12'
y = 4.0 / 4.0
m = 3

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

Culvert Invert Elev.:

Flow Direction (circle one):

Channel Material (circle one):
Earth / Conc. / Other

Side Slope (Horz/Vert):
MAIN 13' / 7.2
SIDE 3 / 8.1

Bottom Width:
MAIN 12' / 3.0
SIDE 4 / 3.6

Side Slope (Horz/Vert):
MAIN 15' / 7.6
SIDE 3 / 7.1

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 480
Location/Nearest Intersection: OUTFALL
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.
WEIR DATA IF EXISTS: ELEV, WIDTH, ETC.

1432 EPZ = 1.27

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
(Circ) Box/ Arch/ Ellip. /Other
21"

Culvert Invert Elev.: 4.81

Flow Direction (circle one):

Channel Material (circle one):
Earth / Conc. / Other

Side Slope (Horz/Vert):

Bottom Width:

Side Slope (Horz/Vert):

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: Chesapeake, Kemp Woods

Node/Point #: 488

Location/Nearest Intersection: UPSTREAM SIDE OF CROSSING

Date:

Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

14881

Culvert Material:

Culvert Depth:

Culvert Width:

Culvert Type (circle one):
Circ/ (Box) Arch/ Ellip. /Other

5X5 TRIPLE BOX

Culvert Invert Elev.: 0.94

Flow Direction (circle one):

Channel Material (circle one):
Earth / Conc. / Other

Side Slope (Horz/Vert):

Bottom Width:

Side Slope (Horz/Vert):

CULVERT

DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: Chesapeake, Kemp Woods

Node/Point #: 490

Location/Nearest Intersection: DOWNSTREAM SIDE (ALL INVERTS/SIZES OF PIPES/DITCH)

Date:

Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

14881

Culvert Material:

Culvert Depth:

Culvert Width:

Culvert Type (circle one):
Circ/ (Box) Arch/ Ellip. /Other

5X5 TRIPLE BOX

Culvert Invert Elev.: 0.27
DITCH 0.91

Flow Direction (circle one):

Channel Material (circle one):
Earth / Conc. / Other

Side Slope (Horz/Vert):

Bottom Width:

Side Slope (Horz/Vert):

CULVERT

DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 536
Location/Nearest Intersection: DOWNSTREAM SIDE CROSSING
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

15381

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ (Ellip.) /Other
38"x53"

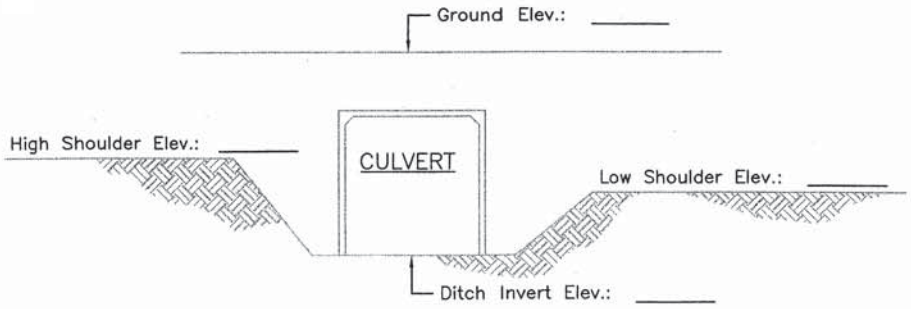
Culvert Invert Elev.: 3.30

Flow Direction (circle one): ← →

Channel Material (circle one): Earth / Conc. / Other

Side Slope (Horz/Vert):
Bottom Width:
Side Slope (Horz/Vert):

CULVERT DITCH



Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 538
Location/Nearest Intersection: UPSTREAM SIDE CROSSING
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

15381

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ (Ellip.) /Other
38"x53"

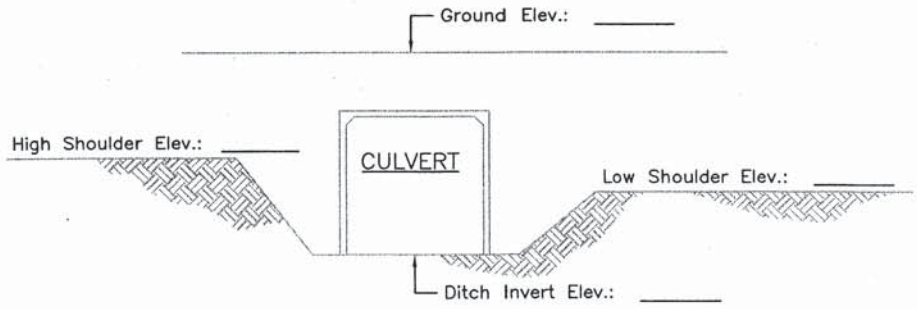
Culvert Invert Elev.: 3.91

Flow Direction (circle one): ← →

Channel Material (circle one): Earth / Conc. / Other

Side Slope (Horz/Vert):
Bottom Width:
Side Slope (Horz/Vert):

CULVERT DITCH

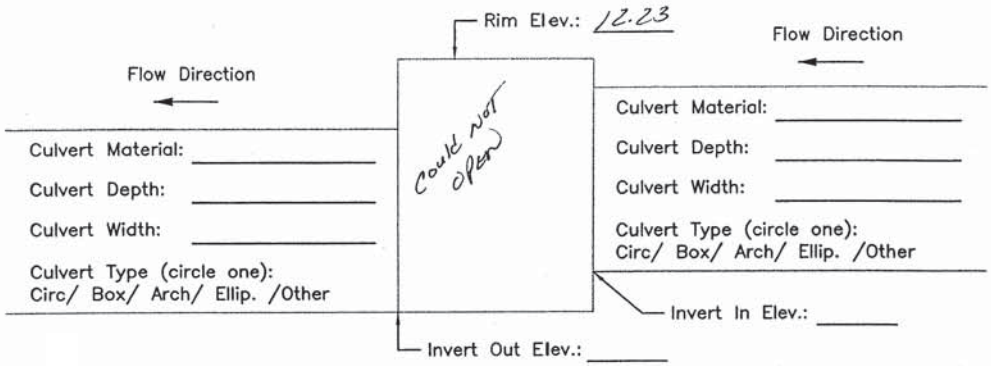


Additional description of the point location:

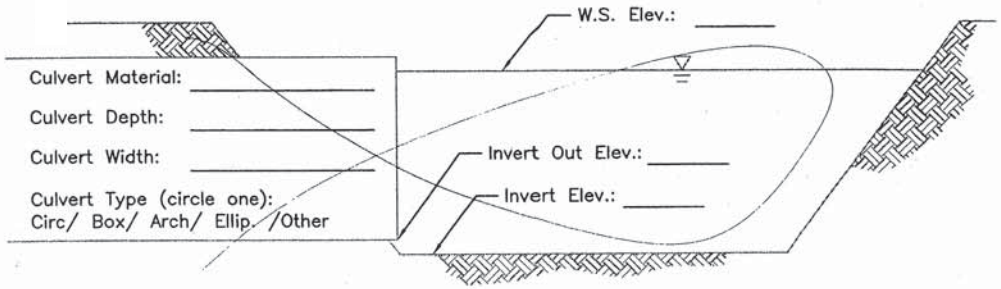
Project: Chesapeake, Kemp Woods
Node/Point #: 602
Location/Nearest Intersection: MANHOLE

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT JUNCTION/INLET CULVERT



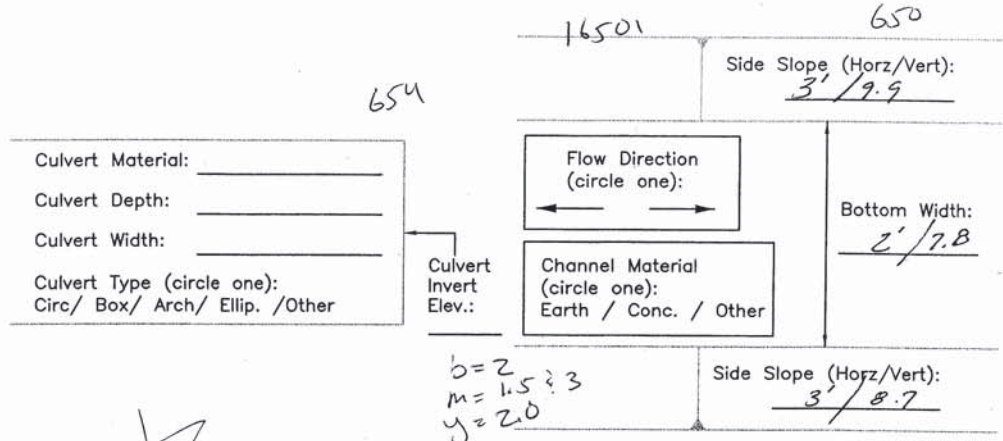
OUTLET CULVERT LAKE

Additional description of the point location:

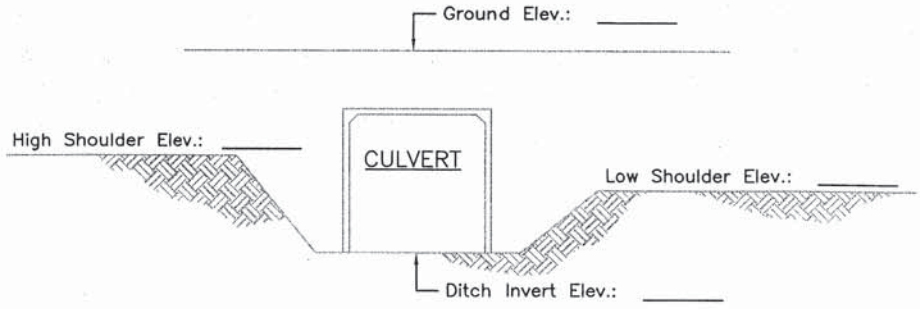
Project: Chesapeake, Kemp Woods
Node/Point #: 650
Location/Nearest Intersection: TYPICAL CROSS-SEC OF DITCH @ THIS APPROX. LOCATION

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT DITCH



Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 654
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

16541

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
(Circ) / Box/ Arch/ Ellip. /Other
21"

Culvert Invert Elev.: 8.94

Side Slope (Horz/Vert):
Flow Direction (circle one):
Channel Material (circle one): Earth / Conc. / Other
Bottom Width:
Side Slope (Horz/Vert):

CULVERT | DITCH

Ground Elev.:
High Shoulder Elev.:
CULVERT
Low Shoulder Elev.:
Ditch Invert Elev.:

Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 656
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

16541

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
(Circ) / Box/ Arch/ Ellip. /Other
~~24~~ 21"
=1.75'ø

Culvert Invert Elev.: 8.41

Side Slope (Horz/Vert):
Flow Direction (circle one):
Channel Material (circle one): Earth / Conc. / Other
Bottom Width:
Side Slope (Horz/Vert):

CULVERT | DITCH

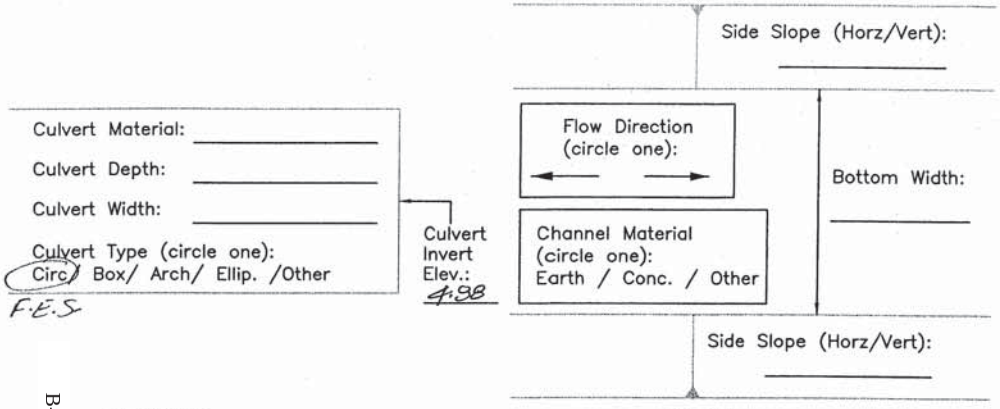
Ground Elev.:
High Shoulder Elev.:
CULVERT
Low Shoulder Elev.:
Ditch Invert Elev.:

Additional description of the point location:

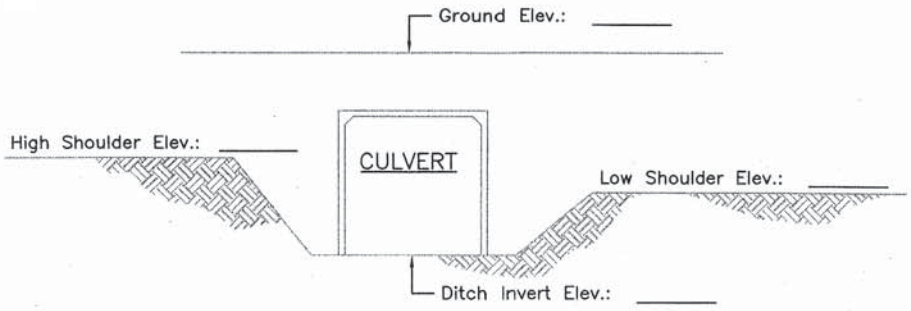
Project: Chesapeake, Kemp Woods
Node/Point #: 662
Location/Nearest Intersection:

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT DITCH

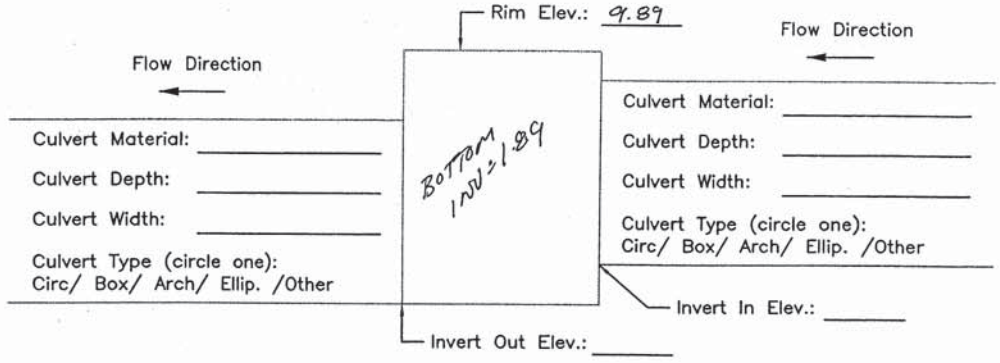


Additional description of the point location:

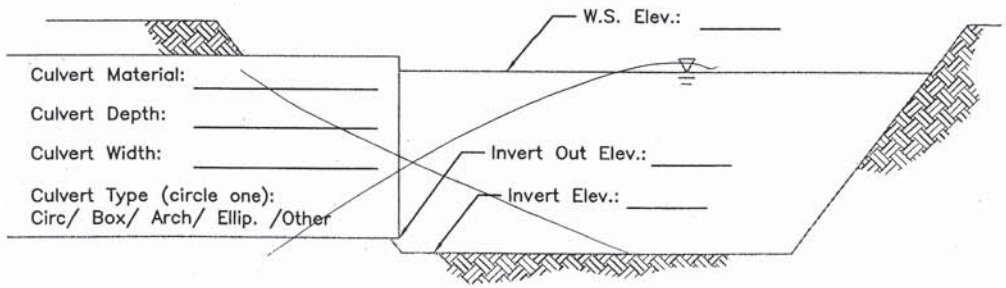
Project: Chesapeake, Kemp Woods
Node/Point #: 700
Location/Nearest Intersection: CATCH BASIN

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT JUNCTION/INLET CULVERT



OUTLET CULVERT LAKE

Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 710
Location/Nearest Intersection: OUTFALL

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.
PLEASE GET WEIR DATA IF ANY: ELEV, WIDTH, ETC.

Rim Elev.:

Flow Direction

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

TOP OF WEIR EL=5.22

8' 8' 12' 8' 8'
0.50' WIDE

Flow Direction

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

Invert In Elev.:

Invert Out Elev.:

CULVERT | JUNCTION/INLET | CULVERT

B-42

W.S. Elev.:

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

Invert Out Elev.:
Invert Elev.:

OUTLET CULVERT | LAKE

Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 710
Location/Nearest Intersection: @ D.S. END OF PIPE, IF EXIST.

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

PIPE NOT FOUND

Side Slope (Horz/Vert):

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

Culvert Invert Elev.:

Flow Direction (circle one):

Channel Material (circle one):
Earth / Conc. / Other

Bottom Width:

Side Slope (Horz/Vert):

CULVERT | DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 760
Location/Nearest Intersection: MANHOLE

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

Rim Elev.: 12.61

Flow Direction

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

BOTTOM INV= 6.03

Flow Direction

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

Invert In Elev.:

Invert Out Elev.:

CULVERT | JUNCTION/INLET | CULVERT

W.S. Elev.:

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

Invert Out Elev.:
Invert Elev.:

OUTLET CULVERT | LAKE

Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 780
Location/Nearest Intersection: CATCH BASIN

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

Rim Elev.: 12.28

Flow Direction

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

BOTTOM INV= 5.90

Flow Direction

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

Invert In Elev.:

Invert Out Elev.:

CULVERT | JUNCTION/INLET | CULVERT

W.S. Elev.:

Culvert Material:
Culvert Depth:
Culvert Width:
Culvert Type (circle one):
Circ/ Box/ Arch/ Ellip. /Other

Invert Out Elev.:
Invert Elev.:

OUTLET CULVERT | LAKE

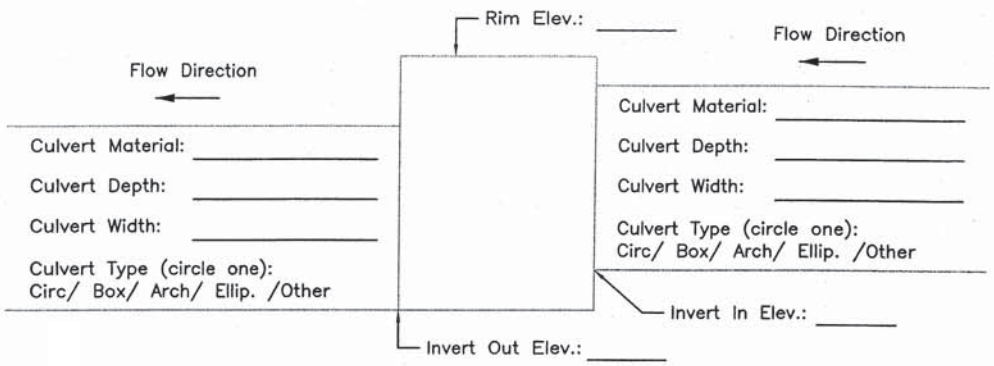
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 790
Location/Nearest Intersection: OUTFALL

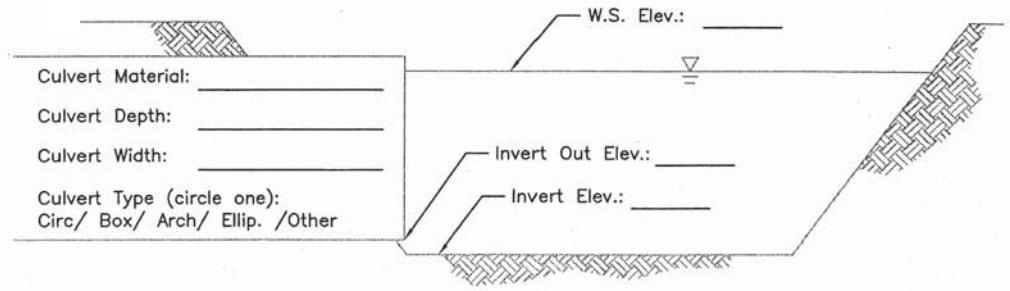
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

PLEASE GET WEIR DATA IF ANY: ELEV, WIDTH, ETC



CULVERT | JUNCTION/INLET | CULVERT



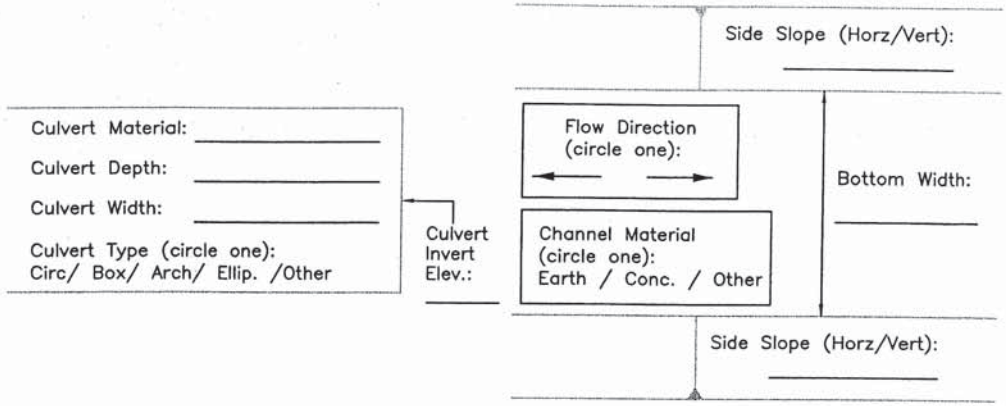
OUTLET CULVERT | LAKE

Additional description of the point location:

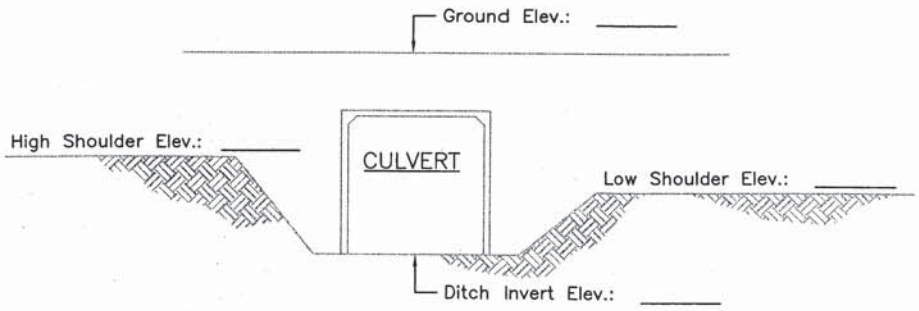
Project: Chesapeake, Kemp Woods
Node/Point #: 790
Location/Nearest Intersection: @ D.S. END OF PIPE, IF EXISTS

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT | DITCH



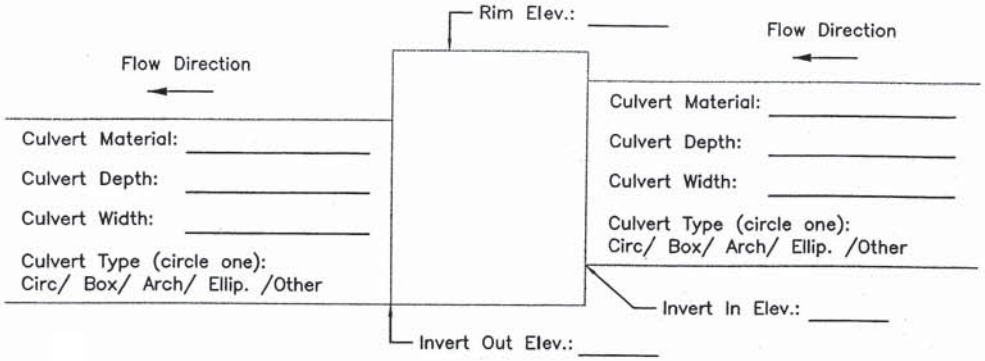
Additional description of the point location:

Project: Chesapeake, Kemp Woods
Node/Point #: 800
Location/Nearest Intersection: OUTFALL

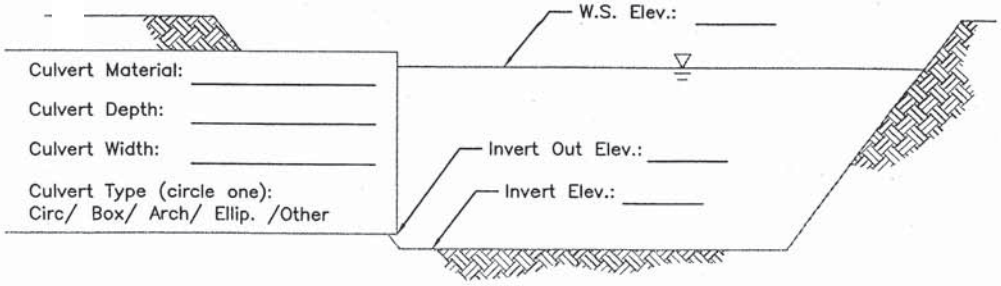
Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

PLEASE GET WEIR DATA IF ANY: ELEV, WIDTH, ETC



CULVERT JUNCTION/INLET CULVERT



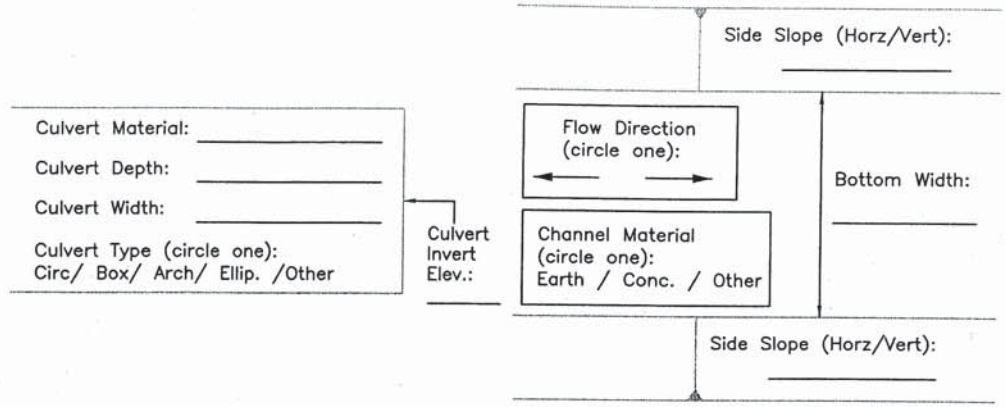
OUTLET CULVERT LAKE

Additional description of the point location:

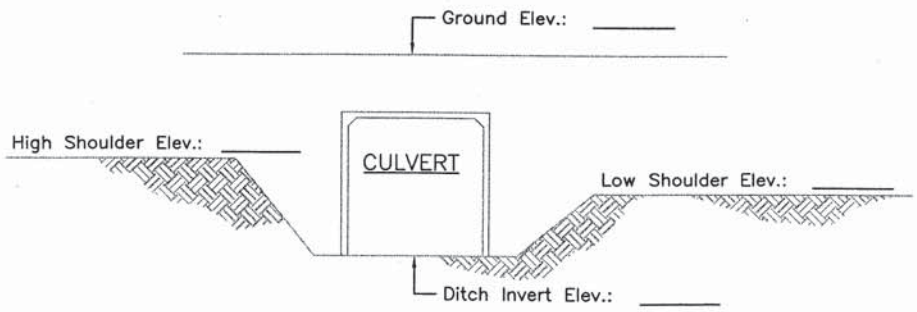
Project: Chesapeake, Kemp Woods
Node/Point #: 800
Location/Nearest Intersection: @ D.S. OF PIPE, IF EXISTS.

Date:
Surveyed By:

THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.



CULVERT DITCH



Additional description of the point location: