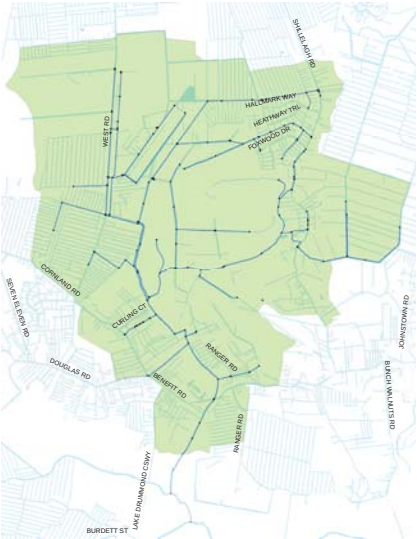


Appendix B
Survey Data

US Army Corps
of Engineers
Norfolk District

Chesapeake
VIRGINIA
Department of Public Works

URS

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 107
Location/Nearest #27
Intersection: 1629 SHILLELAGH ROAD

Date: 19 NOV 07
Surveyed By: EAF

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

ROAD SIDE

Side Slope (Horz/Vert): 3/17.1

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: 2/14.5

Side Slope (Horz/Vert): 4/16.8

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

B-1

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 131
Location/Nearest #28
Intersection: 1945 SHILLELAGH ROAD

Date: 16 NOV 07
Surveyed By: EAF

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

Side Slope (Horz/Vert):

Culvert Material: Concrete
Culvert Depth: 30" 131A 30"
Culvert Width: 30" 131A 30"
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:

South End 131A 13.04; 13.5
North End 131 12.97; 13.7

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: Southern Chesapeake / watershed
Node/Point #: 153 / 151
Location/Nearest Intersection: 30 2068 Shillelagh Rd

Date: 19 Nov 07
Surveyed By: EAF

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

Rim Elev.: _____

Flow Direction ←

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

Flow Direction ←

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

Invert In Elev.: 11.02; 12.4

Invert ~~Out~~ Elev.: 11.08; 12.4

CULVERT — JUNCTION/INLET — CULVERT

B-2

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: Southern Chesapeake / watershed
Node/Point #: 161
Location/Nearest Intersection: #31 Shillelagh Rd

Date: 16 Nov 07
Surveyed By: EAF

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

Culvert Material: Concrete
Culvert Depth: 24"
Culvert Width: 24"
Culvert Type (circle one): (Circ)/ Box/ Arch/ Ellip. /Other

Culvert Invert Elev.: 12.05; 12.4

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: Southern Chesapeake 1 watershed
Node/Point #: 163 / ~~161~~
Location/Nearest Intersection: #31 SHILLELAGH Rd

Date: 16 NOV 07
Surveyed By: EAF

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

#163

Culvert Material: CONCRETE
Culvert Depth: 24"
Culvert Width: 24"
Culvert Type (circle one): (Circ)/ Box/ Arch/ Ellip. /Other

Culvert Invert Elev.: 11.70; 11.7

Flow Direction (circle one): ← →

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

WEST SIDE
Side Slope (Horz/Vert): 5'/14.1

Bottom Width: 3'/12.3

Side Slope (Horz/Vert): 5'/13.8

CULVERT

DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location:

B-3

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 185
(Location)/Nearest ~~Intersection~~: 29

Date: 14 DEC 07
Surveyed By: EAF

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

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

WEST SIDE
Side Slope (Horz/Vert): 3'/12.1

Bottom Width: 5'/8.7

Side Slope (Horz/Vert): 4'/12.4

CULVERT

DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

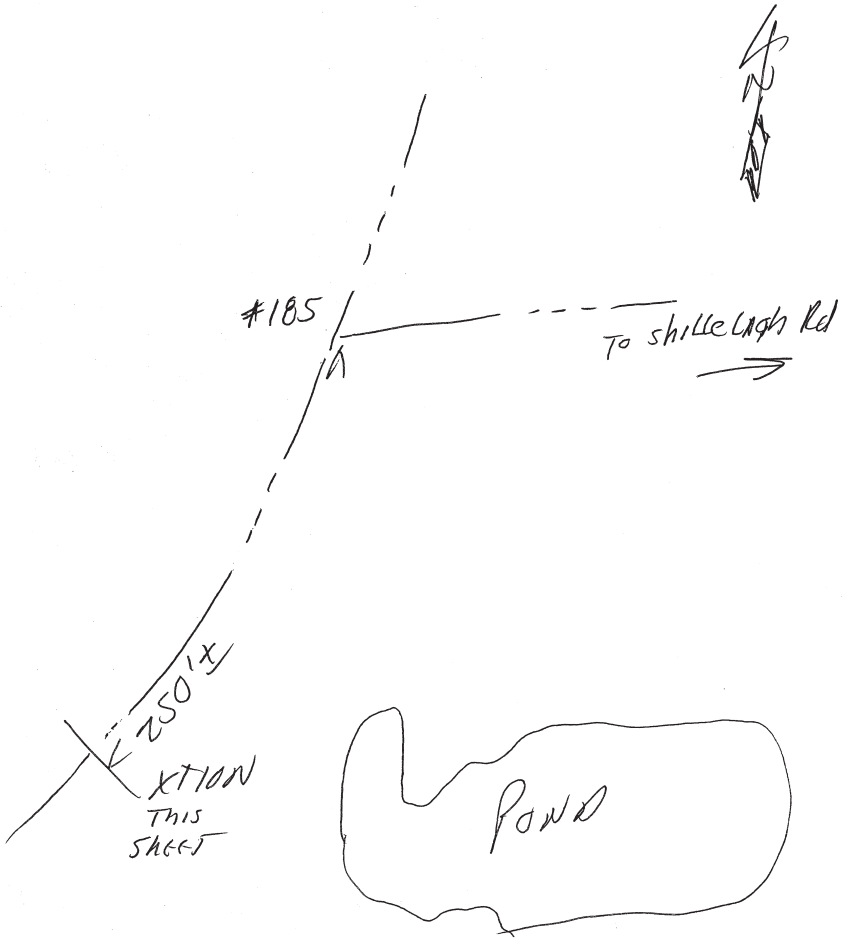
Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location: XTION 250'± SW FROM NODE 185

(OVER)

Sheet 2 of 2



Sht 2 of 52

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 185
Location/Nearest Intersection: # 29

Date: 14 DEC 07
Surveyed By: EAF

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

WEST SIDE

Side Slope (Horz/Vert): 3'/ 12.5

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: 4'/ 9.2

Side Slope (Horz/Vert): 4'/ 12.7

CULVERT

DITCH

Ground Elev.:

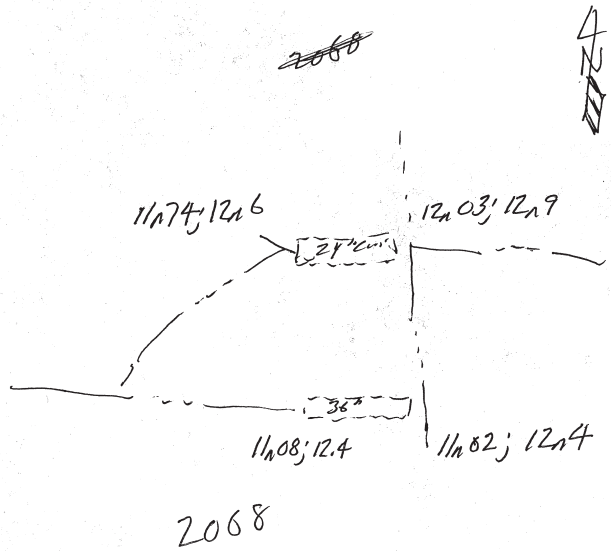
High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:



Sh 2 of 5 2

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 197
Location/Nearest Intersection: #21

Date: 11 DEC 07
Surveyed By: EAF

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

Culvert Material: CONC / CONC
Culvert Depth: 24" / 24"
Culvert Width: 24" / 24"
Culvert Type (circle one): Circ/ Box/ Arch/ Ellip. /Other

Culvert Invert Elev.:
NORTH 24" CONC INV = 9.41; 9.5
South 24" CONC INV = 9.52; 9.5

Flow Direction (circle one): ← →

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

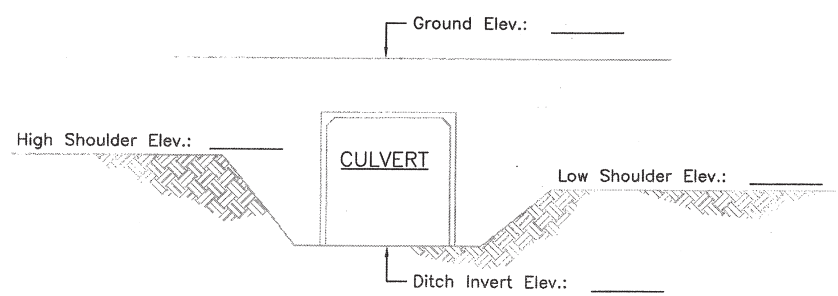
Side Slope (Horz/Vert):

Bottom Width:

Side Slope (Horz/Vert):

CULVERT

DITCH



Additional description of the point location:

NO Ditch SWAMPY AREA
PIPES ~~SEAP~~ SEPARATED AT JOINTS

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 199
Location/Nearest Intersection: #21

Date: 11 DEC 07
Surveyed By: EAF

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

Side Slope (Horz/Vert):

Culvert Material: CONC ; CONC
Culvert Depth: 24" ; 24"
Culvert Width: 24" ; 24"
Culvert Type (circle one): Circ/ Box/ Arch/ Ellip. /Other

Flow Direction (circle one): ← →

Bottom Width:

Culvert Invert Elev.:

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

NORTH 24" CONC INV = 9.21 ; 9.3
South 24" CONC INV = 9.23 ; 9.3

Side Slope (Horz/Vert):

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.: 9.3 / 9.3

Additional description of the point location:

DRAINS TO SWAMPY AREA
PIPES SEPARATED AT ALL JOINTS

B-6

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 209
Location/Nearest Intersection: #20

Date: 17 DEC 07
Surveyed By: EAF

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

NORTH SIDE

Side Slope (Horz/Vert): 2' / 14.5

Culvert Material: CONCRETE
Culvert Depth: 27"
Culvert Width: 27"
Culvert Type (circle one): Circ/ Box/ Arch/ Ellip. /Other

Flow Direction (circle one): ← →

Bottom Width: 3' / 13.5

Culvert Invert Elev.:

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

13.08 ; 13.4

Side Slope (Horz/Vert): 2' / 14.5

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 211
Location/Nearest Intersection: # 20

Date: 17 DEC 07
Surveyed By: EAF

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

Side Slope (Horz/Vert): 2'/ 14.8

Culvert Material: CONCRETE
Culvert Depth: 27"
Culvert Width: 27"
Culvert Type (circle one): Circ/ Box/ Arch/ Ellip. /Other

Flow Direction (circle one): ← →

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

Bottom Width: 3'/ 13.3

Culvert Invert Elev.: 13.16; 13.3

Side Slope (Horz/Vert): 2'/ 14.5

CULVERT DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location:

B-7

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 221
Location/Nearest Intersection: # 18

Date: 11/DEC 07
Surveyed By: EAF

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

Side Slope (Horz/Vert): _____

Culvert Material: CONCRETE
Culvert Depth: 30"
Culvert Width: 30"
Culvert Type (circle one): Circ/ Box/ Arch/ Ellip. /Other

Flow Direction (circle one): ← →

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

Bottom Width: _____

Culvert Invert Elev.: 8.56; 8.4

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: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 223
Location/Nearest Intersection: #18

Date: 11 DEC 07
Surveyed By: EAF

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

ROAD SIDE

Side Slope (Horz/Vert): 5' / 12.5

Culvert Material: CONCRETE
Culvert Depth: 30"
Culvert Width: 30"
Culvert Type (circle one): Circ / Box / Arch / Ellip. / Other

Culvert Invert Elev.: 8.59; 8.1

Flow Direction (circle one): ← →

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

Bottom Width: 5' / 8.1

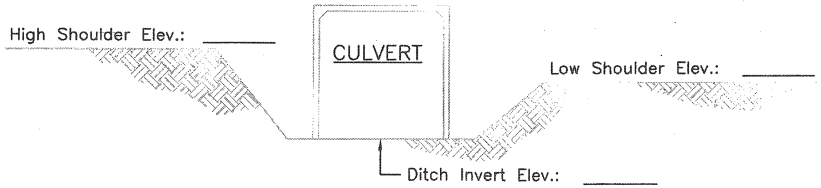
Side Slope (Horz/Vert): 3' / 11.6

CULVERT

DITCH

Ground Elev.: _____

High Shoulder Elev.: _____



Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location:

B-8

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 227
Location/Nearest Intersection: #18

Date: 11 DEC 07
Surveyed By: EAF

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

~~ROAD SIDE~~

Side Slope (Horz/Vert): _____

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

Culvert Invert Elev.: 7.28; 7.18

Flow Direction (circle one): ← →

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

Bottom Width: _____

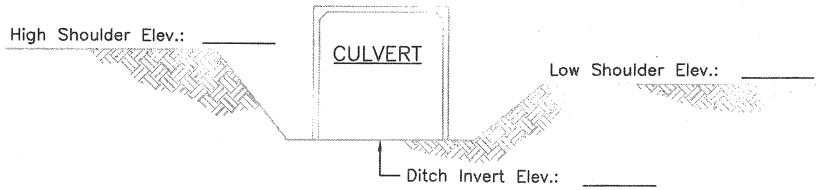
Side Slope (Horz/Vert): _____

CULVERT

DITCH

Ground Elev.: _____

High Shoulder Elev.: _____



Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location:

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 229
Location/Nearest Intersection: # 18

Date: 10 DEC 07
Surveyed By: EAF

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

ROAD SIDE
Side Slope (Horz/Vert): 6'/ 12.5

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

Culvert Invert Elev.: 7.53/8.2

Flow Direction (circle one): ← →

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

Bottom Width: 7'/ 7.8

Side Slope (Horz/Vert): 4'/ 11.2

CULVERT DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location:

B-9

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 235
Location/Nearest Intersection: #32 2156 SHILLELAGH ROAD

Date: 2 NOV 07
Surveyed By: EAF

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

Side Slope (Horz/Vert): 2/ 17.4

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: 2/ 15.1

Side Slope (Horz/Vert): 2/ 16.3
ROAD SIDE

CULVERT DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location: NO ROAD X PIPE FOUND

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 237
Location/Nearest #32
Intersection: 2156 SHILLELAGH ROAD

Date: 2 NOV 07
Surveyed By: EAF

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

Side Slope (Horz/Vert): 1/17A5

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: 1A5/15A6

Side Slope (Horz/Vert): 4/16A1

CULVERT

DITCH

ROAD SIDE

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location: NO ROAD X PIPE FOUND

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 245
Location/Nearest #33
Intersection: 2300 SHILLELAGH ROAD

Date: 13 NOV 07
Surveyed By: EAF

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

Side Slope (Horz/Vert): 2/17A7

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: 1/16A8

Side Slope (Horz/Vert): 2/17A6

CULVERT

DITCH

ROAD SIDE

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location: NO ROAD X PIPE FOUND

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 247
Location/Nearest Intersection: #33 2300 SHILLELAGH ROAD

Date: 13NOV07
Surveyed By: EAE

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

Side Slope (Horz/Vert): 3 / 16.7

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: 3 / 15.5

Side Slope (Horz/Vert): 2 / 18.2

CULVERT

DITCH ROADSIDE

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location: NO ROAD X PIPE FOUND

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: ~~34~~ 253
Location/Nearest Intersection: #34 2262 Shillelagh RD.

Date: 17DEC07
Surveyed By: EAE

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

WEST SIDE

Side Slope (Horz/Vert): 2' / 12.8

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: 5' / 11.9

Side Slope (Horz/Vert): 2' / 13.1

CULVERT

DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

XTION 200'± SE OF NODE 253

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 253
~~Location~~/Nearest #34
Intersection: N/W CORNER 2262 SHILLELAGH ROAD

Date: 19DEC07
Surveyed By: EAE

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

WEST SIDE

Side Slope (Horz/Vert): 3'/ 12.9

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: 5'/ 12.0

Side Slope (Horz/Vert): 4'/ 14.0

CULVERT

DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 269
Location/Nearest Intersection: #22

Date: 11 DEC 07
Surveyed By: EAE

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

ROAD SIDE

Side Slope (Horz/Vert): 4'/ 12.9

Culvert Material: CONCRETE
Culvert Depth: 24"
Culvert Width: 24"
Culvert Type (circle one): Circ/ Box/ Arch/ Ellip. /Other

Culvert Invert Elev.: 10.23; 11.0

Flow Direction (circle one): ← →

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

Bottom Width: 5'/ 10.6

Side Slope (Horz/Vert): 3'/ 12.8

CULVERT

DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 271
Location/Nearest Intersection: #22

Date: 11 DEC 07
Surveyed By: EAF

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

Side Slope (Horz/Vert):

Culvert Material: CONCRETE
Culvert Depth: 24"
Culvert Width: 24"
Culvert Type (circle one): Circ/ Box/ Arch/ Ellip. /Other

Flow Direction (circle one): ← →

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

Bottom Width:

Culvert Invert Elev.: 9.77; 10.3

Side Slope (Horz/Vert):

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

B-13

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 289
Location/Nearest Intersection: #19

Date: 11 DEC 07
Surveyed By: EAF

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

NORTH SIDE
Side Slope (Horz/Vert): 3'/ 7.8

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

Flow Direction (circle one): ← →

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

Bottom Width: 9'/ 5.1

Culvert Invert Elev.: 4.30; 46

Side Slope (Horz/Vert): 4'/ 7.9

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:
SECTION 25' ± EAST OF INV

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED

Node/Point #: 291

Location/Nearest Intersection: #19

Date: 11 DEC 07

Surveyed By: EAF

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

Side Slope (Horz/Vert):

Culvert Material: CORR. METAL

Culvert Depth: 36"

Culvert Width: 36"

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

Culvert Invert Elev.: 3.77; 3.8

Flow Direction (circle one): ← →

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

Bottom Width:

Side Slope (Horz/Vert):

CULVERT

DITCH

B-14

Ground Elev.:

High Shoulder Elev.:

CULVERT

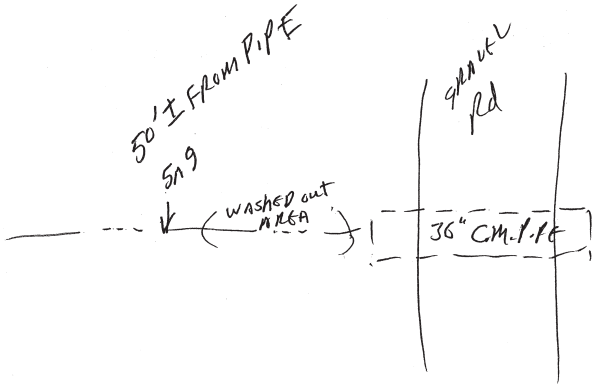
Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

(OVER)

SH1 1 of 2



SH1 2 of 2

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 361
Location/Nearest Intersection: #15

Date: 5 DEC 07
Surveyed By: EAF

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

EAST SIDE

Side Slope (Horz/Vert): 12'/14.9

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

Culvert Invert Elev.:

Flow Direction (circle one): ← →

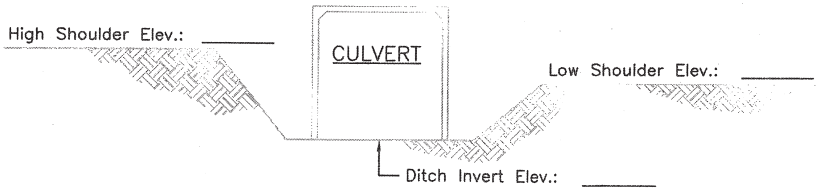
Channel Material (circle one): Earth / Conc. / Other

Bottom Width: 40'/6.0±

Side Slope (Horz/Vert): 12'/16.0

CULVERT DITCH

Ground Elev.:



Additional description of the point location:
NO PIPE BETWEEN LAKE AND DITCH

B-15

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 361
Location/Nearest Intersection: #15

Date: 18 DEC 07
Surveyed By: EAF

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

ROAD NORTH SIDE

Side Slope (Horz/Vert): 3'/14.6

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

Culvert Invert Elev.:

Flow Direction (circle one): ← →

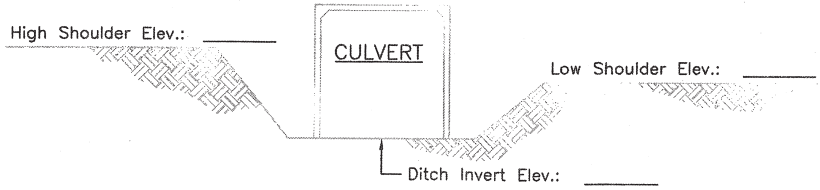
Channel Material (circle one): Earth / Conc. / Other

Bottom Width: 2'/12.3

Side Slope (Horz/Vert): 2'/14.4

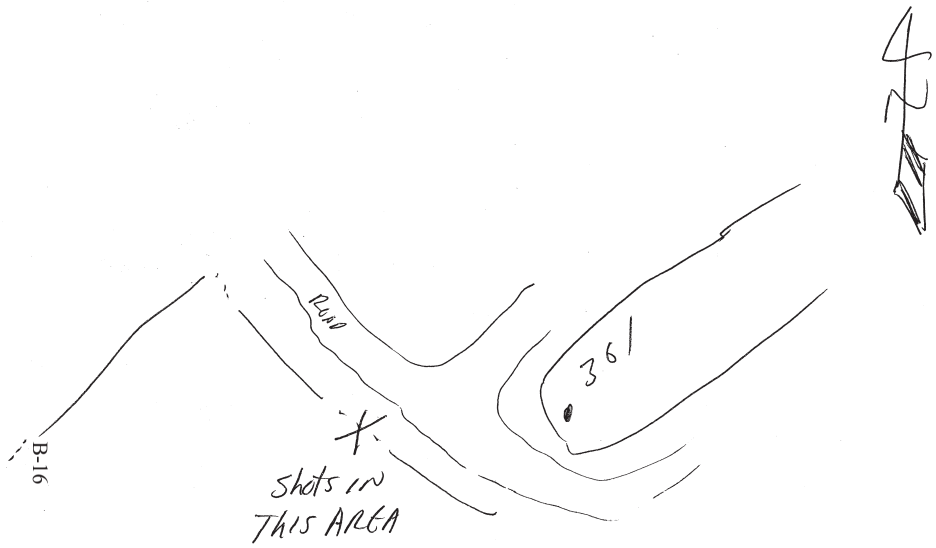
CULVERT DITCH

Ground Elev.:



Additional description of the point location:
OVER
NO PIPE FOUND BETWEEN LAKE AND DITCH

SAT 16 52



SHT 26 of 2

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 429
Location/Nearest #10
Intersection: S/E OF CHESAPEAKE AIRPORT

Date: 5DEC07
Surveyed By: EMF

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

North side

Side Slope (Horz/Vert): 4' / 13.2

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

Culvert Invert Elev.: 8.73; 9.5

Flow Direction (circle one): ← →

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

Bottom Width: 3' / 9.5

Side Slope (Horz/Vert): 3' / 13.0

CULVERT DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location:

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 427
Location/Nearest #10
Intersection: S/E OF CHESAPEAKE AIRPORT

Date: 5DEC07
Surveyed By: EAE

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

Side Slope (Horz/Vert):

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

Culvert Invert Elev.: 8.73; 9.2

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:

B-17

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 431/433
Location/Nearest #10
Intersection: S/E OF CHESAPEAKE AIRPORT

Date: 5DEC07
Surveyed By: EAE

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

Side Slope (Horz/Vert):

Culvert Material: CONC / PLASTIC
Culvert Depth: 15" / 18"
Culvert Width: 15" / 18"
Culvert Type (circle one): Circ/ Box/ Arch/ Ellip. /Other

Culvert Invert Elev.:

431 15" CONC INV = 8.33; 8.5
433 18" PLASTIC INV = 8.14; 8.5

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: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 435
Location/Nearest #10
Intersection: S/E OF CHESAPEAKE AIRPORT

Date: 5DEC07
Surveyed By: EAF

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

Side Slope (Horz/Vert):

Culvert Material: CONC
Culvert Depth: 30"
Culvert Width: 30"
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):

EAST END 30" CONC INV = 7.03; 7.5
WEST END 30" CONC INV = 6.95; 7.4

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 441
Location/Nearest #10
Intersection: S/E OF CHESAPEAKE AIRPORT

Date: 5DEC07
Surveyed By: EAF

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

ROAD SIDE EAST
Side Slope (Horz/Vert): 35'/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: 18'/4.9

Side Slope (Horz/Vert): 5'/12.4

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 443
Location/Nearest #10
Intersection: S/E OF CHESAPEAKE AIRPORT

Date: 5DEC07
Surveyed By: EAF

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

WEST ROAD SIDE

Side Slope (Horz/Vert): 9'/10.4

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

Culvert Invert Elev.:

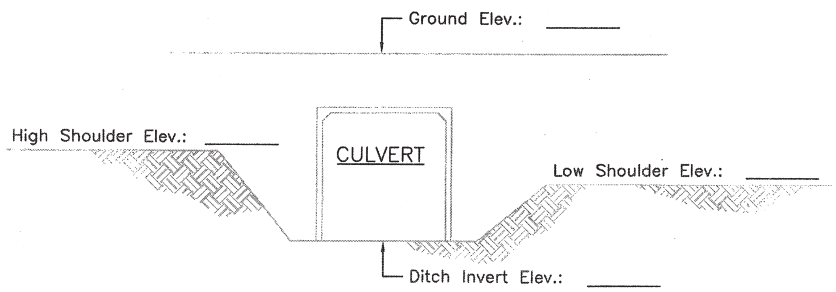
Flow Direction (circle one): ← →

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

Bottom Width: 17'/5.1

Side Slope (Horz/Vert): 12'/11.6

CULVERT DITCH



Additional description of the point location:

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 447
Location/Nearest
Intersection: #11

Date: 5DEC07
Surveyed By: EAF

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

WEST SIDE ROAD SIDE

Side Slope (Horz/Vert): 9'/12.5

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

Culvert Invert Elev.:

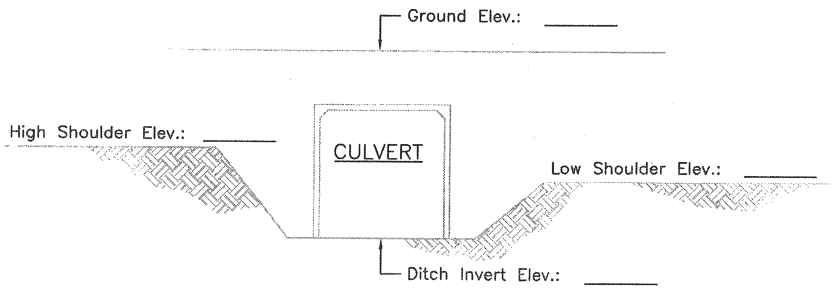
Flow Direction (circle one): ← →

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

Bottom Width: 9'/6.4

Side Slope (Horz/Vert): 6'/10.4

CULVERT DITCH



Additional description of the point location:

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 451
Location/Nearest Intersection: #14

Date: 4 5DEC07
Surveyed By: EAF

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

ROAD SIDE WEST

Side Slope (Horz/Vert): 8'/ 13.5

Culvert Material: CORR. METAL
Culvert Depth: 48"
Culvert Width: 48"
Culvert Type (circle one): (Circ)/ Box/ Arch/ Ellip. /Other

Culvert Invert Elev.: 5.22; 5.3

Flow Direction (circle one): ← →

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

Bottom Width: 6'/ 5.3

Side Slope (Horz/Vert): 10'/ 11.2

CULVERT DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location:

B-20

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 461
Location/Nearest Intersection: #17

Date: 10DEC07
Surveyed By: EAF

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

Side Slope (Horz/Vert): 11'/ 16.7

Culvert Material: PLASTIC
Culvert Depth: 15"
Culvert Width: 15"
Culvert Type (circle one): (Circ)/ Box/ Arch/ Ellip. /Other

Culvert Invert Elev.: 8.72; 9.3

Flow Direction (circle one): ← →

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

Bottom Width: 10'/ 9.3

Side Slope (Horz/Vert): 5'/ 12.4

CULVERT DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location:

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 463
Location/Nearest Intersection: #17

Date: 10 DEC 07
Surveyed By: EAF

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

ROAD SIDE

Side Slope (Horz/Vert): 15'/1.7:1

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: 7'/9.7

Side Slope (Horz/Vert): 5'/10.3

CULVERT

DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

COULD NOT FIND PLASTIC INV.
Ditch AREA UNDER construction

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 469
Location/Nearest Intersection: #23 3000 CURLING COURT

Date: 10 DEC 07
Surveyed By: EAF

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

North SIDE

Side Slope (Horz/Vert): 3'/2.1

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

Culvert Invert Elev.: 3.06 ; 3.0

Flow Direction (circle one): ← →

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

Bottom Width: 8'/3.8

Side Slope (Horz/Vert): 4'/6.5

CULVERT

DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 471
Location/Nearest #23
Intersection: 3000 CURLING COURT

Date: 10 DEC 07
Surveyed By: EAE

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

North SIDE

Side Slope (Horz/Vert): 4' / 8.0

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

Flow Direction (circle one): ← →

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

Bottom Width: 8' / 3.8

Culvert Invert Elev.: 3.03; 3.8

Side Slope (Horz/Vert): 3' / 6.5

CULVERT DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location:

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 509
Location/Nearest LOCATION 1
Intersection: 1568 & 1608 WEST ROAD

Date: 1 NOV 07
Surveyed By: E.N. FENTRESS

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

ROAD SIDE

Side Slope (Horz/Vert): 6 / 15.0

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

Flow Direction (circle one): ← →

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

Bottom Width: 8 / 10.7

Culvert Invert Elev.: 9.15; 10.6

Side Slope (Horz/Vert): 7 / 14.7

CULVERT DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location: END OF CULVERT RUSTED OUT AND VERY BENT

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 51
Location/Nearest LOCATION 1 S/O
Intersection: 1568 & 1608 WEST ROAD

Date: 1 NOV 07
Surveyed By: E.A. FENTRESS

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

ROAD SIDE

Side Slope (Horz/Vert): 7/ 15.0

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

Culvert Invert Elev.: 9.41; 10.6

Flow Direction (circle one): ← (→)

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

Bottom Width: 10/ 11.1

Side Slope (Horz/Vert): 4/ 14.6

CULVERT DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location:

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 519/521
(Location)/Nearest # 3
Intersection: 1735 WEST RD

Date: 1 NOV 07
Surveyed By: E.A. FENTRESS

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

521

Flow Direction ←

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

Rim Elev.: _____

Invert Out Elev.: 9.47; 10.3

519

Flow Direction ←

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

Invert In Elev.: 9.61; 10.4

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.: _____

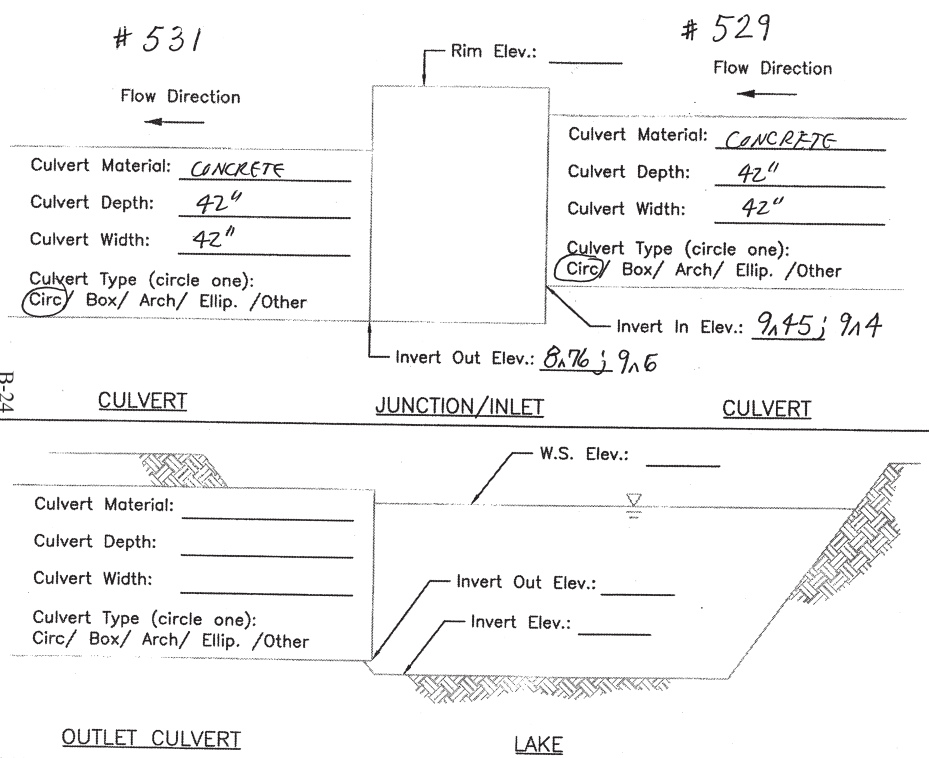
OUTLET CULVERT LAKE

Additional description of the point location: NORTH END

Project: SOUTHERN CHESAPEAKE-1 WATERSHED
Node/Point #: 529 / 531
Location/Nearest # 5
Intersection: 1755 WEST RD / AIRPORT RD

Date: 1 NOV 07
Surveyed By: E.A. FENTRESS

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

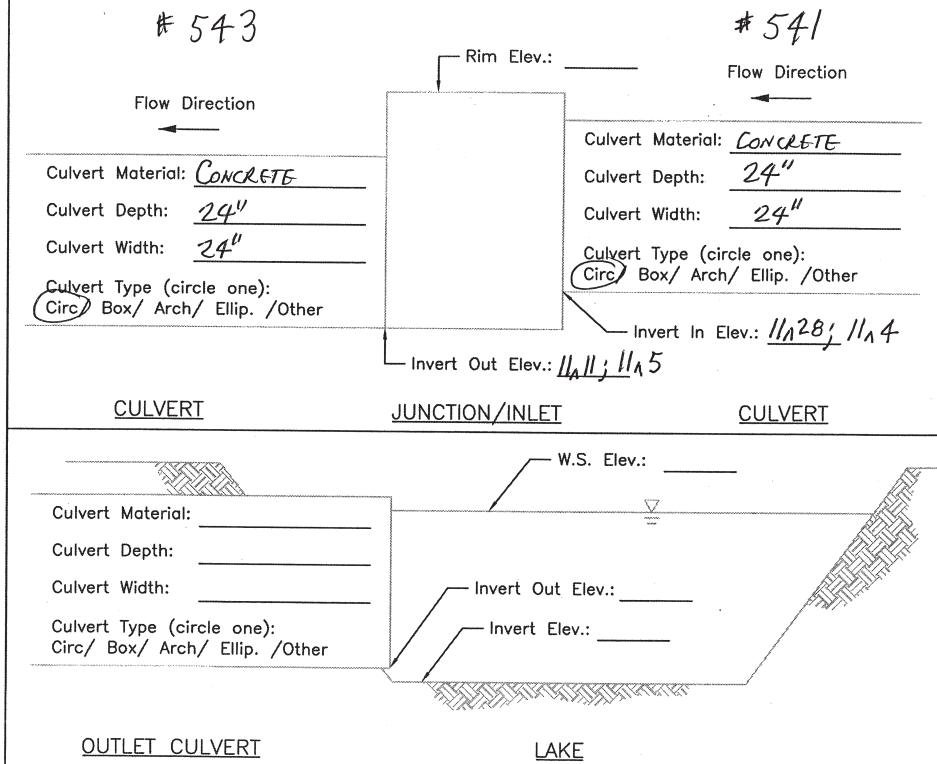


Additional description of the point location:

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 541 / 543
Location/Nearest # 2
Intersection: N/O 1725 WEST RD

Date: 1 NOV 07
Surveyed By: E.A. FENTRESS

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



Additional description of the point location:

Project: SOUTHERN CHESAPEAKE- 1 WATERSHED
Node/Point #: 559/561
Location/Nearest ~~#5~~ 4
Intersection: 1755 WEST RD/ AIRPORT DR

Date: 1 NOV 07
Surveyed By: E.A. FENTRESS

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

#561

Flow Direction

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

CULVERT

Rim Elev.: _____

Invert Out Elev.: 9.21; 9.5

JUNCTION/INLET

#559

Flow Direction

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

Invert In Elev.: 9.76; 10.0

CULVERT

B-25

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: SOUTHERN CHESAPEAKE- 1 WATERSHED
Node/Point #: 571
Location/Nearest LOCATION 6
Intersection: SOUTH END OF DITCH E/O CHESAPEAKE AIRPORT

Date: 14 NOV 07
Surveyed By: E.A. F

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

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

Culvert Invert Elev.: _____

CULVERT

Side Slope (Horz/Vert): 3'/10.2

Flow Direction (circle one): ← →

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

Bottom Width: 6'/8.8

Side Slope (Horz/Vert): 2'/9.9

NORTH SIDE

DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

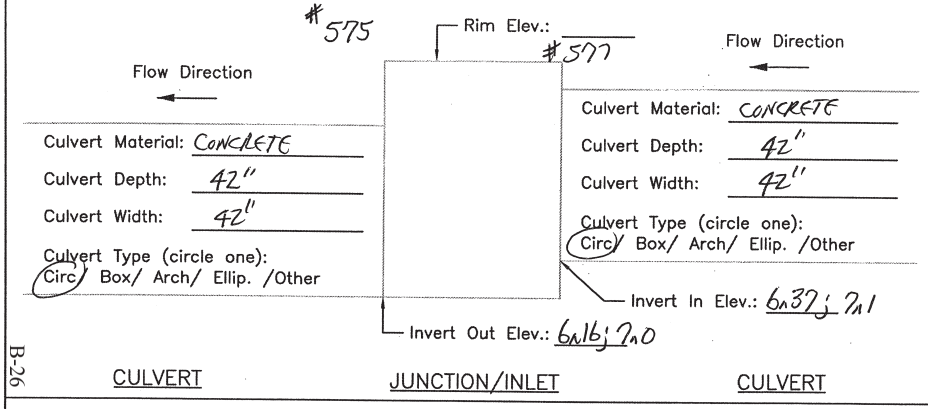
Ditch Invert Elev.: _____

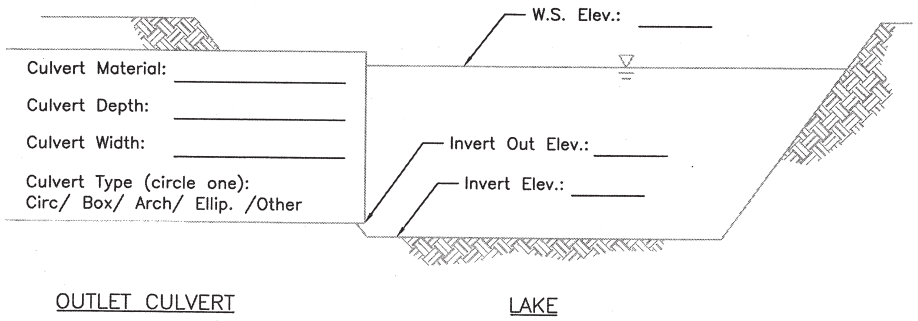
Additional description of the point location:

Project: SOUTHERN CHESAPEAKE- 1 WATERSHED
Node/Point #: 575/577
Location/Nearest # 6
Intersection: ±1/2 MI S/O AIRPORT DR

Date: 2NOV 07
Surveyed By: EAF

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



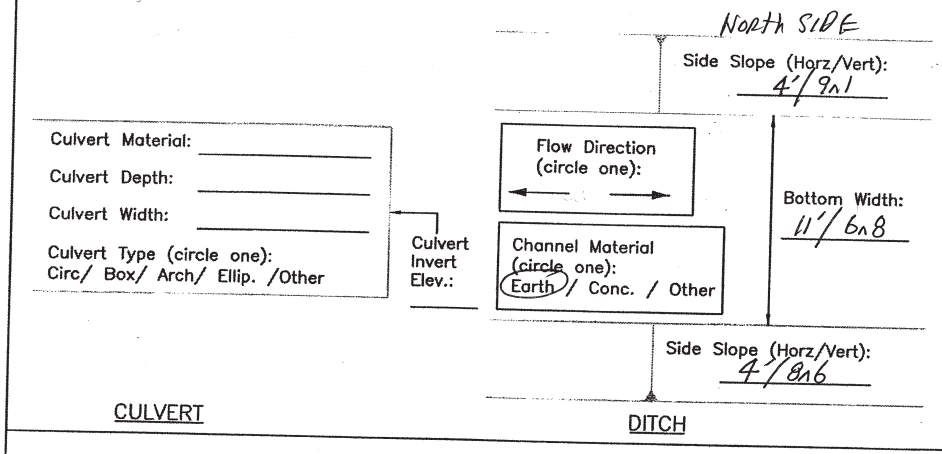


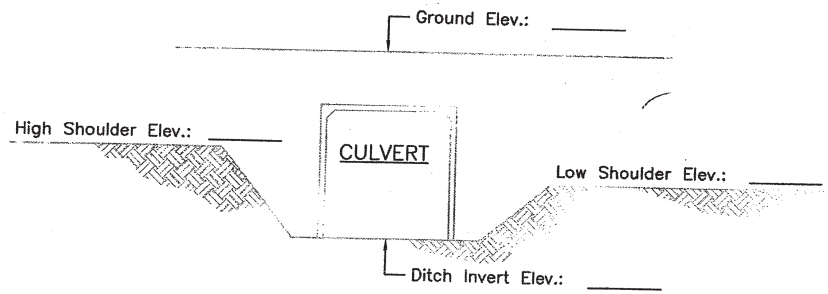
Additional description of the point location:

Project: SOUTHERN CHESAPEAKE- 1 WATERSHED
Node/Point #: 581
Location/Nearest Intersection: #6

Date: 2NOV 07
Surveyed By: EAF

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





Additional description of the point location: SECTION OF DITCH BETWEEN 581 AND WEST ROAD

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 581
Location/Nearest Intersection: #6

Date: 2 NOV 07
Surveyed By: EAF

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

WEST SIDE

Side Slope (Horz/Vert): 9/10.7

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

Culvert Invert Elev.:

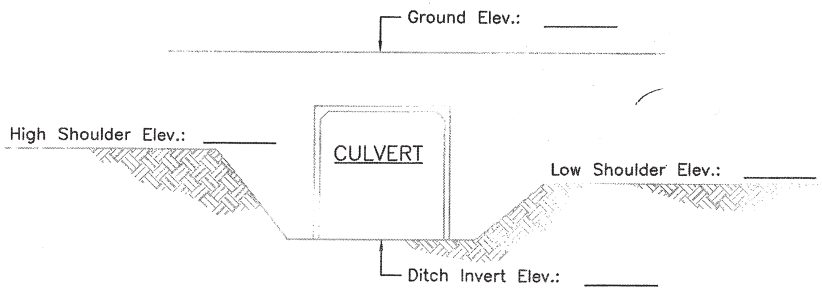
Flow Direction (circle one): ← →

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

Bottom Width: 12'/5.8

Side Slope (Horz/Vert): 5/8.8

CULVERT DITCH



Additional description of the point location: Ditch section 50' North 581 Ditch intersection

B-27

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 599
Location/Nearest Intersection: #13 2000 WEST ROAD

Date: 5 NOV 07
Surveyed By: EAF

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

ROAD SIDE

Side Slope (Horz/Vert): 10'/14.4

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

Culvert Invert Elev.: 7.80; 8.5

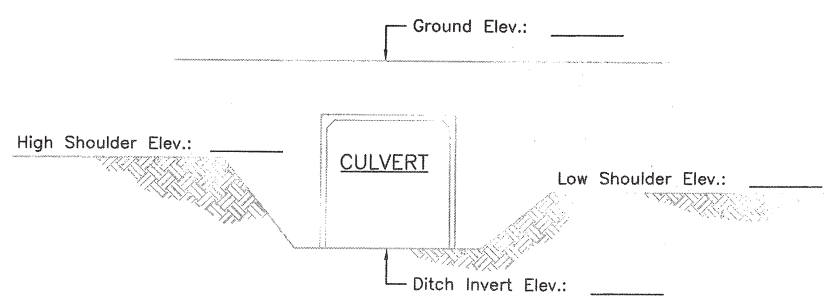
Flow Direction (circle one): ← →

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

Bottom Width: 6'/8.5

Side Slope (Horz/Vert): 6'/14.3

CULVERT DITCH

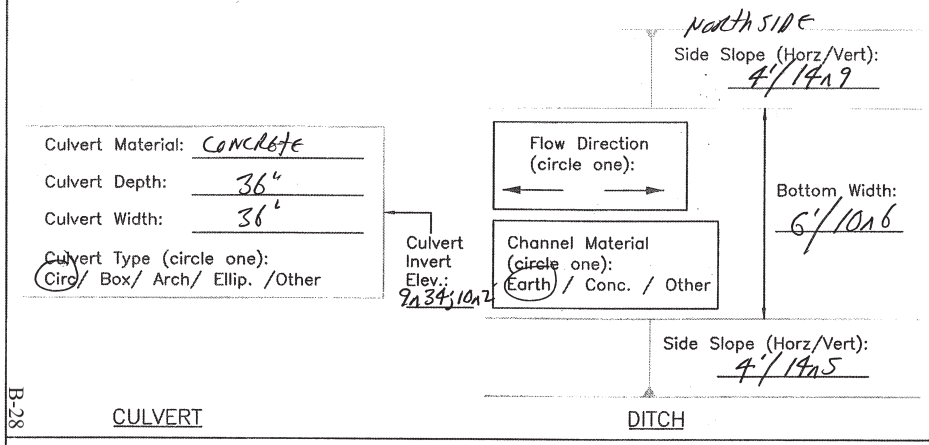


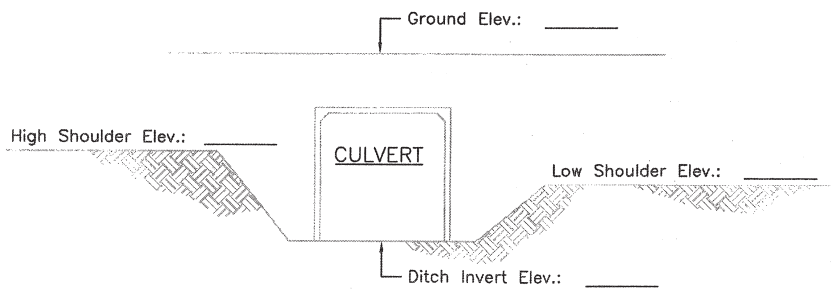
Additional description of the point location:

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 613
Location/Nearest #12
Intersection: N/W OF 2000 WEST ROAD

Date: 5 NOV 07
Surveyed By: EAF

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



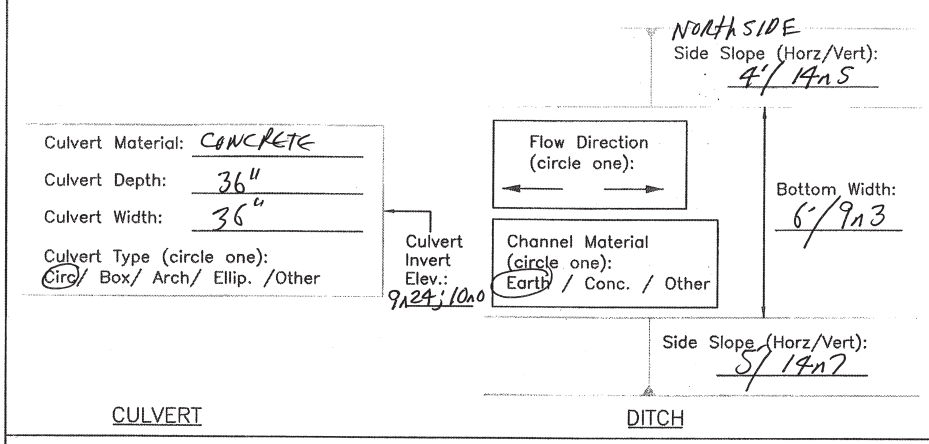


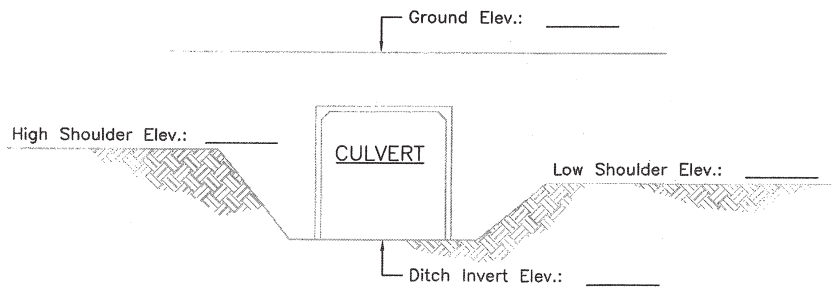
Additional description of the point location: XTION 14'± WEST INV

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 615
Location/Nearest #12
Intersection: N/W 2000 WEST ROAD

Date: 5 NOV 07
Surveyed By: EAF

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





Additional description of the point location: 25'± EAST INV XTION

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 623
Location/Nearest #13
Intersection: 2000 WEST ROAD

Date: 5 NOV 07
Surveyed By: EAF

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

North SIDE
Side Slope (Horz/Vert): 8'/13.9

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

Flow Direction (circle one): ← →

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

Bottom Width: 4'/8.6

Culvert Invert Elev.:
North 36" CONC INV = 7.96; 7.0
South 36" CONC INV = 9.53; 7.0

Side Slope (Horz/Vert): 6'/13.9

CULVERT DITCH

Ground Elev.: _____

High Shoulder Elev.: _____ CULVERT Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location: TWIN 36" X PIPES UNDER ROAD
XTION ON Ditch LEADING WEST

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 625
Location/Nearest #13
Intersection: 2000 WEST ROAD

Date: 5 NOV 07
Surveyed By: EAF

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

North SIDE
Side Slope (Horz/Vert): 12'/14.3

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

Flow Direction (circle one): ← →

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

Bottom Width: 5'/8.3

Culvert Invert Elev.:
North 36" CONC INV = 8.98; 9.7
South 36" CONC INV = 8.26; 8.3

Side Slope (Horz/Vert): 12'/15.5

CULVERT DITCH

Ground Elev.: _____

High Shoulder Elev.: _____ CULVERT Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location: TWIN X 36" PIPES UNDER ROAD
XTION ON Ditch LEADING EAST

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 629
Location/Nearest Intersection: #13 2000 WEST ROAD

Date: 14NOV07
Surveyed By: EAF

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

Side Slope (Horz/Vert):

Culvert Material: CONCRETE
Culvert Depth: 48" – 48"
Culvert Width: 48" – 48"
Culvert Type (circle one): Circ/ Box/ Arch/ Ellip. /Other

Culvert Invert Elev.: 2.89; 3.1

Flow Direction (circle one): ← →

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

Bottom Width:

EAST 48" CONC INV = 2.89; 3.1
WEST 48" CONC INV = 2.69; 3.4

Side Slope (Horz/Vert):

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location: EAST SIDE 48"
~~OVER~~
WEST SIDE 48" CONC PIPE CIRC TYPE ELEV = 2.69; 3.4 grd.
NOTE 2 PIPES

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 631
Location/Nearest Intersection: #13 2000 WEST ROAD

Date: 5NOV07
Surveyed By: EAF

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

NORTH SIDE

Side Slope (Horz/Vert): 12'/16.7

Culvert Material: CONCRETE
Culvert Depth: 48" – 48"
Culvert Width: 48" – 48"
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: 30'/4.0

EAST 48" CONC INV = 4.75; 4.0
WEST 48" CONC INV = 4.50; 4.0

Side Slope (Horz/Vert): 10'/15.1

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location: TWIN 48" CONC. PIPES
Ditch section 50' WEST of EX PIPES

Project: Southern Chesapeake / watershed
Node/Point #: 645/647
Location/Nearest Intersection: #7 AIRPORT

Date: 14 NOV 07
Surveyed By: EAF

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

#645 | Rim Elev.: #647

Flow Direction ←

Culvert Material: PLASTIC
Culvert Depth: 12"
Culvert Width: 12"
Culvert Type (circle one): (Circ)/ Box/ Arch/ Ellip. /Other

Invert Out Elev.: 10.87; 11.1

CULVERT

Flow Direction ←

Culvert Material: PLASTIC
Culvert Depth: 12"
Culvert Width: 12"
Culvert Type (circle one): (Circ)/ Box/ Arch/ Ellip. /Other

Invert In Elev.: 11.13; 11.1

CULVERT

JUNCTION/INLET

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:

B-31

Project: Southern Chesapeake / WATERSHED
Node/Point #: 655
Location/Nearest Intersection: 8; NORTHWEST END RUNWAY

Date: 14 NOV 07
Surveyed By: EAF

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

Rim Elev.: _____

Flow Direction ←

Culvert Material: CONCRETE
Culvert Depth: 24"
Culvert Width: 24"
Culvert Type (circle one): (Circ)/ Box/ Arch/ Ellip. /Other

Invert ~~Out~~ FES Elev.: 9.93; 9.3

CULVERT

Flow Direction ←

Culvert Material: CONC
Culvert Depth: 24"
Culvert Width: 24"
Culvert Type (circle one): (Circ)/ Box/ Arch/ Ellip. /Other

Invert In FES Elev.: 10.61

CULVERT

JUNCTION/INLET

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

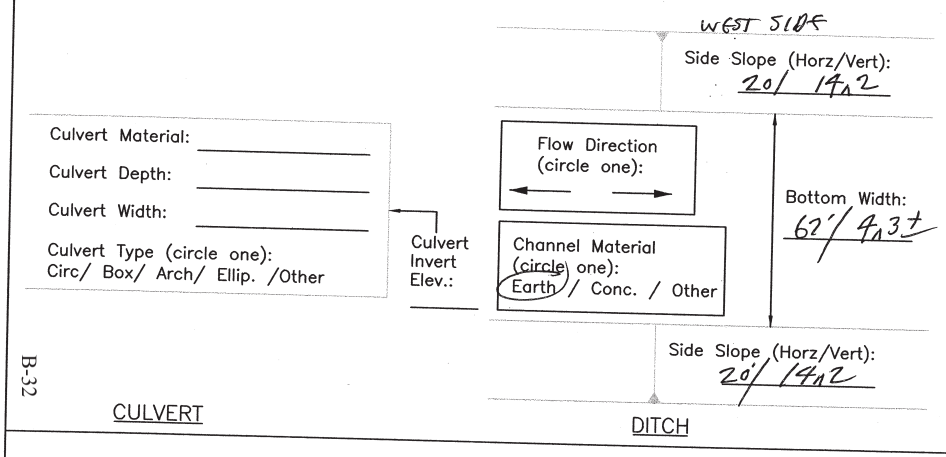
LAKE

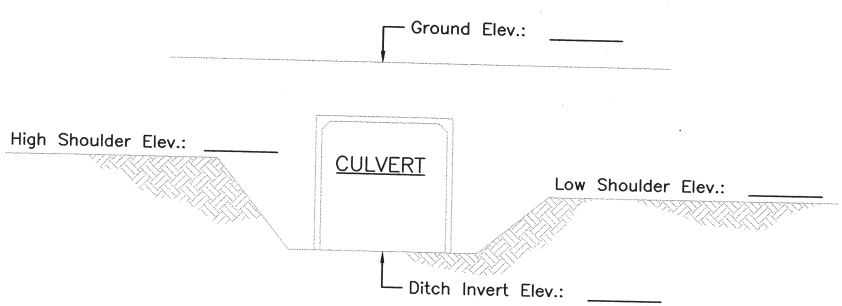
Additional description of the point location: 24" PIPE GOES EAST UNDER TAXI WAY to Ditch. DOES NOT GO ACROSS ~~to~~ Runway to EAST SIDE POND

Project: Southern Chesapeake / Watershed
Node/Point #: 659?? 2 #659's at airport sheet
Location/Nearest Intersection: 9 / North end East side Pond East side of Runway

Date: 14 NOV 07
Surveyed By: EAF

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



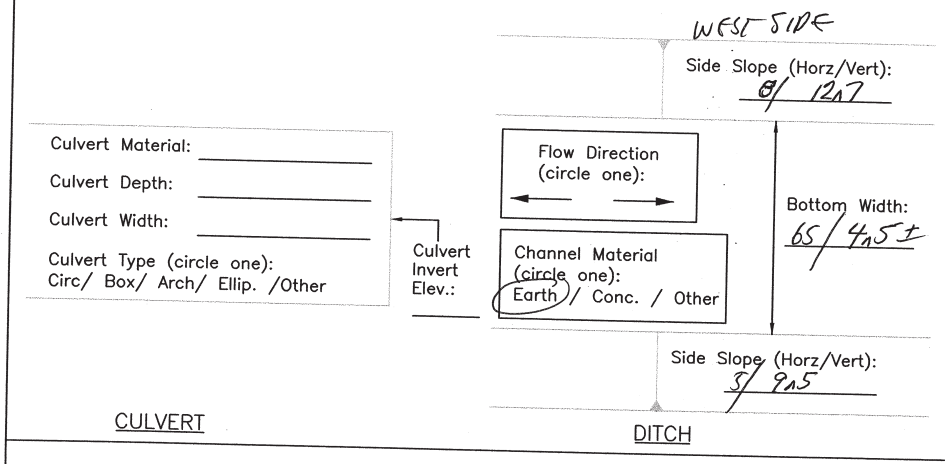


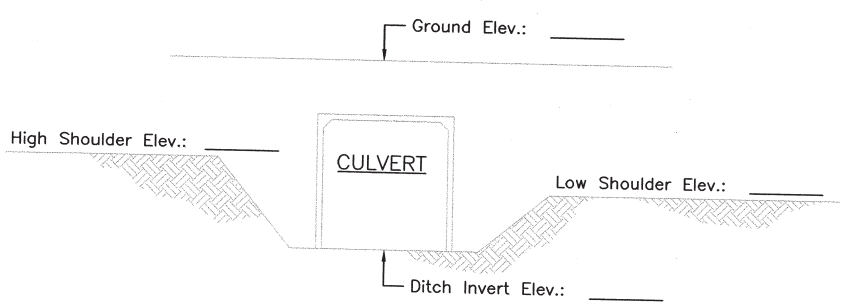
Additional description of the point location:

Project: Southern Chesapeake / Watershed
Node/Point #: 659
Location/Nearest Intersection: 9 / Pond East side Runway

Date: 14 NOV 07
Surveyed By: EAF

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





Additional description of the point location: WATER ELEV - 9.00
SEE SHEET 9 Location 9 could not get SIZE OR FIND other END

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 671
Location/Nearest Intersection: #14

Date: 5 DEC 07
Surveyed By: EAF

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

EAST SIDE DIRT ROAD
Side Slope (Horz/Vert): 8' / 11.6

Culvert Material: CORR METAL / CORR METAL
Culvert Depth: 30" / 30"
Culvert Width: 30" / 30"
Culvert Type (circle one): (Circ)/ Box/ Arch/ Ellip. /Other

Culvert Invert Elev.:
WEST 30" C.M. INV = 8.59; 8.2
EAST 30" C.M. INV = 6.17; 6.8

Flow Direction (circle one): ← →

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

Bottom Width: 13' / 7.0

Side Slope (Horz/Vert): 6' / 13.2

CULVERT DITCH

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

Additional description of the point location:

B-33

Project: Southern Chesapeake / WATERSHED
Node/Point #: 673
Location/Nearest Intersection: 673 LOCATION 14

Date: 5 DEC 07
Surveyed By: EAF

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

NORTH SIDE DIRT ROAD
Side Slope (Horz/Vert): 19' / 15.7

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: 23' / 5.5

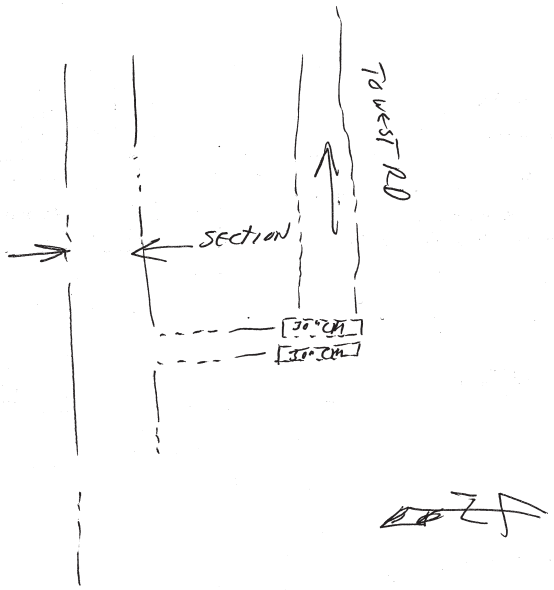
Side Slope (Horz/Vert): 9' / 10.7

CULVERT DITCH

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

Additional description of the point location:
OVER

SH 1a of 2



Sh 2 of 2

Project: SOUTHERN CHESAPEAKE -1 WATERSHED

~~Node~~/Point #: 673

Location/Nearest Intersection: ↓ 673 Loc. 14

Date: 5 DEC 07

Surveyed By: EAC

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

Rim Elev.: _____

Flow Direction ←

Culvert Material:	CORR. METAL	CORR. METAL
Culvert Depth:	30"	30"
Culvert Width:	30"	30"

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

WEST 30" CORR. METAL INV = 8A18; 8A1

EAST 30" CORR. METAL INV = 5A81; 6A2

Invert Out Elev.: _____

Flow Direction ←

Culvert Material: _____

Culvert Depth: _____

Culvert Width: _____

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

Invert In Elev.: _____

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: Southern Chesapeake / WATERSHED
Node/Point #: 689
Location/Nearest 16
Intersection: 2136 WEST RD

Date: 8 NOV 07
Surveyed By: EAF

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

WEST SIDE

Side Slope (Horz/Vert): 4' / 12.9

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: 2.5' / 10.5

Side Slope (Horz/Vert): 5.5 / 14.5

CULVERT

DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: Southern Chesapeake / WATERSHED
Node/Point #: 691 / 693
Location/Nearest / 16
Intersection: WEST RD

Date: 8 NOV 07
Surveyed By: EAF

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

#691

Flow Direction ←

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

#693

Rim Elev.:

Invert ~~In~~ Elev.: 8.21; 8.8

Flow Direction ←

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

Invert ~~In~~ Elev.: 8.28; 9.2

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: NorthXPIPE

Project: Southern Chesapeake / watershed
Node/Point #: 691/693
Location/Nearest Intersection: 16 WEST RD

Date: 8 NOV 07
Surveyed By: EAF

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

#691 #693

Rim Elev.: _____

Flow Direction ←

Culvert Material: CONCRETE
Culvert Depth: 48"
Culvert Width: 48"
Culvert Type (circle one): Circ/ Box/ Arch/ Ellip. /Other

Flow Direction ←

Culvert Material: CONCRETE
Culvert Depth: 48"
Culvert Width: 48"
Culvert Type (circle one): Circ/ Box/ Arch/ Ellip. /Other

Invert In Elev.: 8.68 / 9.14

Invert Out Elev.: 9.32 / 9.14

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: South X PIPE

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 717
Location/Nearest Intersection: #23 3000 CURLING CT

Date: 10 DEC 07
Surveyed By: EAF

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

ROAD SIDE

Side Slope (Horz/Vert): 12 / 12.1

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: 35 / 3.4

Side Slope (Horz/Vert): 2 / 8.8

CULVERT DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location:

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 727
Location/Nearest #24
Intersection: 3132 BENEFIT RD S/O 3037 CURLING CT.

Date: 13 NOV 07
Surveyed By: EAF

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

Side Slope (Horz/Vert):

Culvert Material: CONCRETE
Culvert Depth: 24"
Culvert Width: 24"
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:

24" WEST SIDE INV = 12.51; 12.6

24" EAST SIDE INV = 12.49; 12.7

Side Slope (Horz/Vert):

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location: 2 X PIPES

B-37

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 729
Location/Nearest #24
Intersection: 3132 BENEFIT RD S/O 3037 CURLING CT.

Date: 13 NOV 07
Surveyed By: EAF

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

Side Slope (Horz/Vert):

Culvert Material: CONCRETE
Culvert Depth: 24"
Culvert Width: 24"
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:

24" WEST SIDE INV = 12.28; 12.9

24" EAST SIDE INV = 12.34; 12.9

Side Slope (Horz/Vert):

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location: 2 24" X PIPES

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 779
Location/Nearest Intersection: #25

Date: 10 DEC 07
Surveyed By: EAF

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

North SIDE

Side Slope (Horz/Vert): 6'/5.0

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: 34'/0.8

Side Slope (Horz/Vert): 9'/4.8

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

B-38

Project: Southern Chesapeake 1 WATERSHED
Node/Point #: 809/811
Location/Nearest Intersection: 26 By Fire Station #13

Date: 16 NOV 07
Surveyed By: EAF

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

#809
Flow Direction ←

Culvert Material: CONCRETE
Culvert Depth: 24"
Culvert Width: 24"
Culvert Type (circle one): Circ/ Box/ Arch/ Ellip. /Other

Rim Elev.:

Invert Out Elev.: 11.17; 11.4

#811
Flow Direction ←

Culvert Material: CONCRETE
Culvert Depth: 48"
Culvert Width: 48"
Culvert Type (circle one): Circ/ Box/ Arch/ Ellip. /Other

Invert In Elev.: 9.61; 11.0

CULVERT JUNCTION/INLET CULVERT

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

W.S. Elev.:

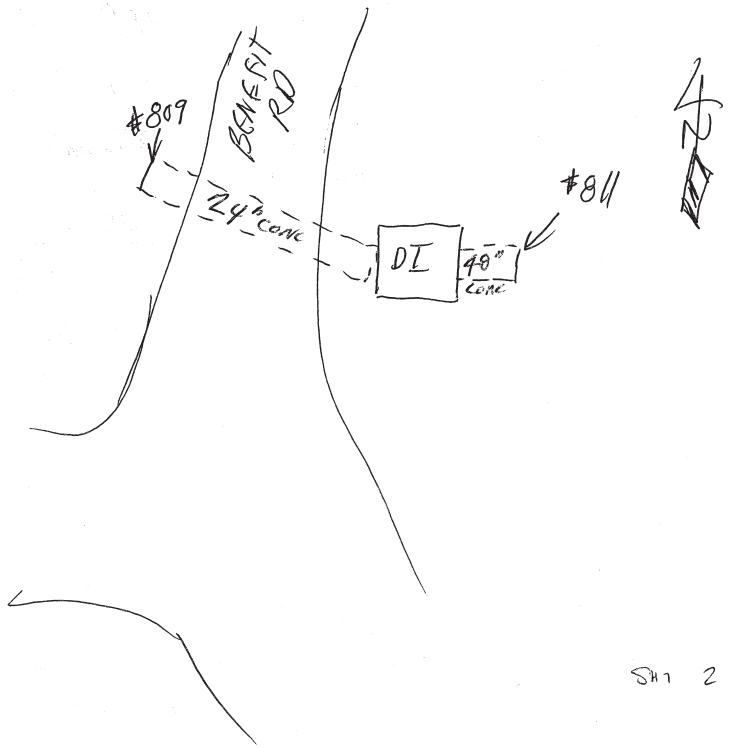
Invert Out Elev.:

Invert Elev.:

OUTLET CULVERT LAKE

Additional description of the point location: SEE BACK OF SHEET

SH 1 of 2



Sh 2 of 2

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: ~~837~~ 835
Location/Nearest #35
Intersection: N/W CORNER 2244 BENEFIT ROAD

Date: 20 NOV 07
Surveyed By: EAE

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

South ~~North~~ SIDE

Side Slope (Horz/Vert): 4' / 6.4

Culvert Material: CONC / CONC
Culvert Depth: 27" / 27"
Culvert Width: 27" / 27"
Culvert Type (circle one): (Circ) / Box / Arch / Ellip. / Other

Flow Direction (circle one): ← →

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

Bottom Width: 6' / 3.9

Culvert Invert Elev.:
South ~~North~~ 27" CONC INV = 3.69; 3.9
North ~~South~~ 27" CONC INV = 3.22; 3.9

Side Slope (Horz/Vert): 4' / 6.7

CULVERT DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location: 2 PIPES 27" CONC.

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: ~~[illegible]~~ 837
Location/Nearest #35
Intersection: 2244 BENEFIT ROAD (N/W CORNER)

Date: 20 NOV 07
Surveyed By: EAF

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

South ~~North~~ SIDE

Side Slope (Horz/Vert): 4' / 6.3

Culvert Material: CONC / CONC
Culvert Depth: 27" / 27"
Culvert Width: 27" / 27"
Culvert Type (circle one): (Circ) / Box / Arch / Ellip. / Other

Flow Direction (circle one): ← →

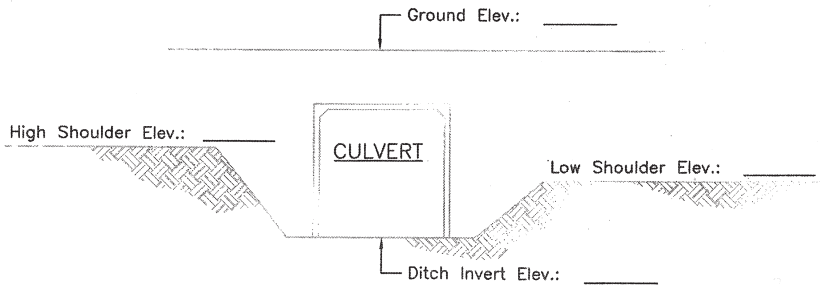
Channel Material (circle one): (Earth) / Conc. / Other

Bottom Width: 7' / 4.1

Culvert Invert Elev.:
South 27" CONC INV = 4.09; 4.3
North 27" CONC INV = 3.32; 3.8

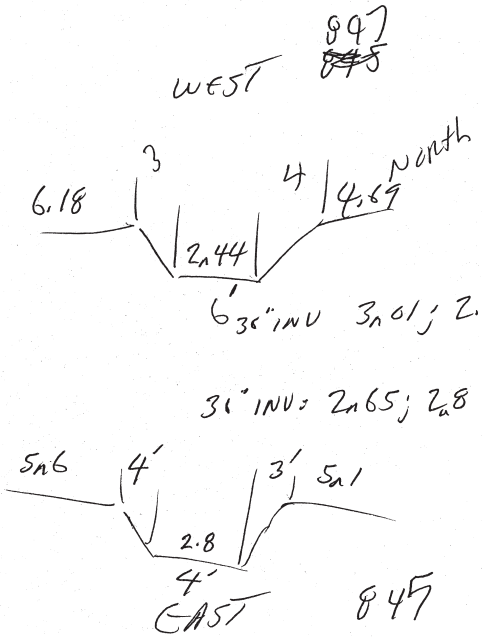
Side Slope (Horz/Vert): 2' / 6.0

CULVERT DITCH



Additional description of the point location: 2 27" PIPES

B-40



Sht 2 of 2

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 845
Location/Nearest # 36
Intersection: 2400 BENEFIT ROAD

Date: 20 Nov 07
Surveyed By: EAF

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

North SIDE

Side Slope (Horz/Vert): 3'/5.1

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

Culvert Invert Elev.: 2.65; 2.8

Flow Direction (circle one): ← →

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

Bottom Width: 4'/2.8

Side Slope (Horz/Vert): 4'/5.6

CULVERT

DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location:

B-41

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 847
Location/Nearest #36
Intersection: 2400 BENEFIT ROAD

Date: 20 Nov 07
Surveyed By: EAF

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

North SIDE

Side Slope (Horz/Vert): 4'/4.7

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

Culvert Invert Elev.: 3.01; 2.8

Flow Direction (circle one): ← →

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

Bottom Width: 6'/2.4

Side Slope (Horz/Vert): 3'/6.2

CULVERT

DITCH

Ground Elev.: _____

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

Ditch Invert Elev.: _____

Additional description of the point location:

Project: Southern Chesapeake 1 Watershed
Node/Point #: 863
Location/Nearest #37
Intersection: W/O 2420 Benefit Rd

Date: 19 Nov 07
Surveyed By: EAF

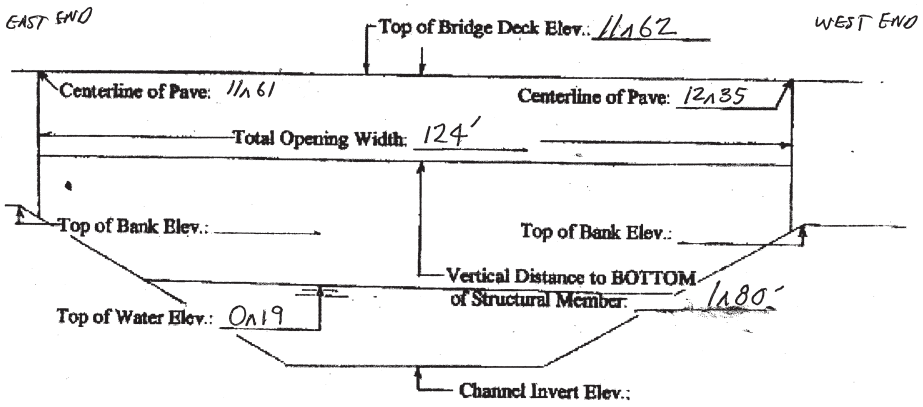
THIS FORM SHALL BE USED TO DESCRIBE THE CONFIGURATION, DIMENSIONS AND ELEVATIONS AT EACH POINT LOCATION.

Bridge Material: CONCRETE
Bridge Width: 128'
Pile Type: CONCRETE
Pile Size: 1.5' X 1.5'

North Side Bridge

Side Slope (Horz/Vert):
Flow Direction (circle one): ←→
Bottom Width:
Side Slope (Horz/Vert):

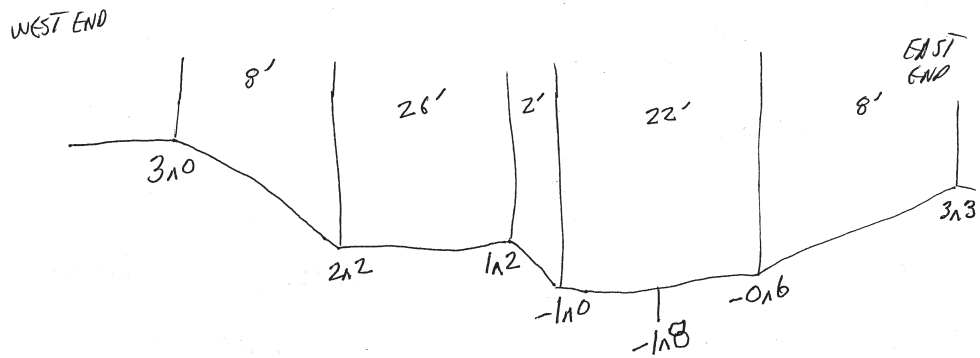
BRIDGE **CHANNEL**



(OVER)

SH1 1K S2

North Side Bridge

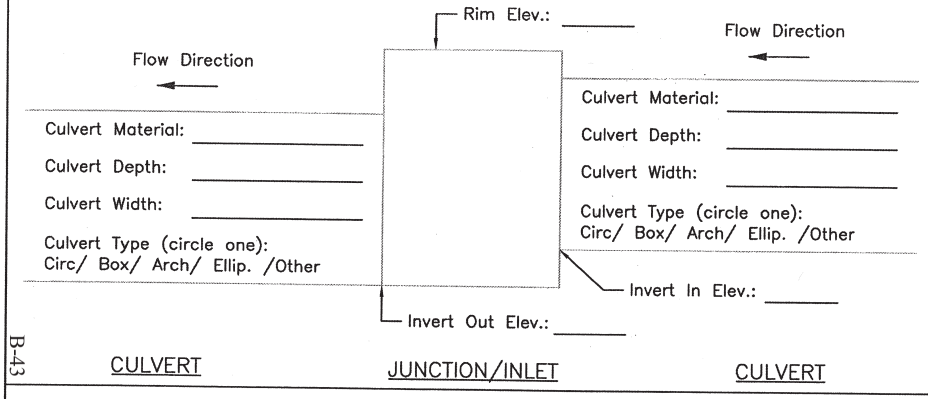


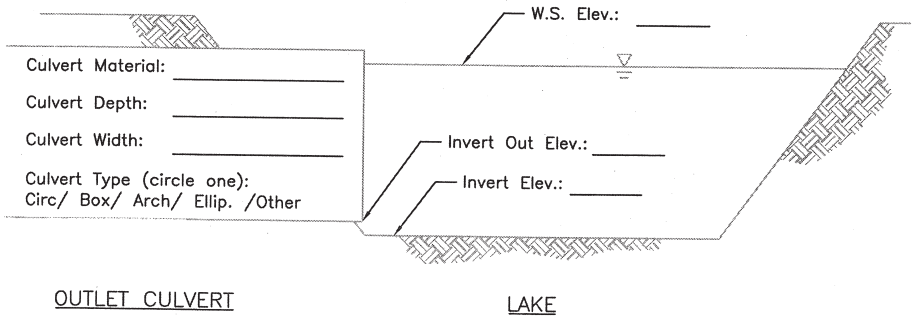
SH1 2K S2

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 863 / 865
Location/Nearest Intersection: W/O 2420 BENEFIT ROAD

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-43

Project: Southern Chesapeake / WATERSHED
Node/Point #: 865
Location/Nearest Intersection: #37 W/O 2420 BENEFIT RD

Date: 19 NOV 07
Surveyed By: EAF

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

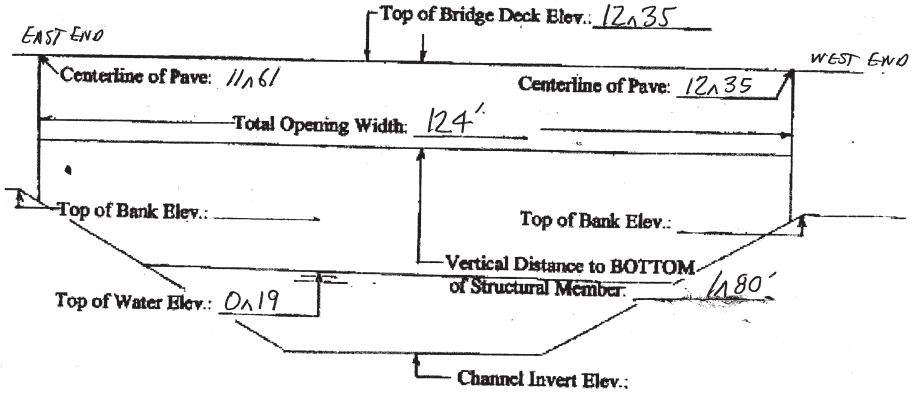
Bridge Material: CONCRETE
Bridge Width: 128'
Pile Type: CONCRETE
Pile Size: 1.5' X 1.5'

South SIDE BRIDGE

BRIDGE

Side Slope (Horz/Vert)
Flow Direction (circle one):
Bottom Width:
Side Slope (Horz/Vert)

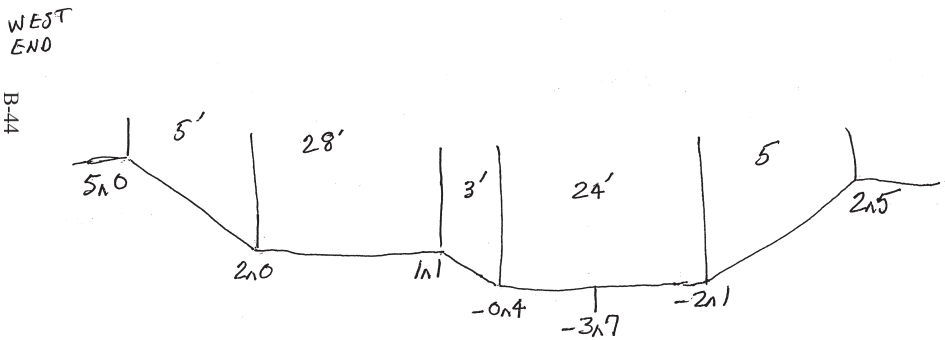
CHANNEL



(OVER)

Sa 1 j 5 2

South SIDE BRIDGE



Sm 2 j f 2

Project: SOUTHERN CHESAPEAKE - 1 WATERSHED
Node/Point #: 895
Location/Nearest Intersection: S/E OF 2920 LAKE DRUMMOND CIRCLE

Date: 21 NOV 07
Surveyed By: EAF

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

DIRT ROAD South SIDE

Side Slope (Horz/Vert): 6' / 5.3

TOE = ~~0.4~~ 0.1

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: 40' ± / -0.9

TOE = 0.4

Side Slope (Horz/Vert): 6' / 4.8

CULVERT DITCH

Ground Elev.:

High Shoulder Elev.:

CULVERT

Low Shoulder Elev.:

Ditch Invert Elev.:

Additional description of the point location:

Project: Southern Chesapeake / Watershed

Date: 19 Nov 07

Node/Point #:

Surveyed By: EAE

Location/Nearest Intersection: * 30 2068 Shillelagh RD

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

Rim Elev.:

Flow Direction ←

Culvert Material: CONCRETE

Culvert Depth: 24"

Culvert Width: @ 24"

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

Invert Out Elev.: 11.74; 12.6

CULVERT

Flow Direction ←

Culvert Material: CONCRETE

Culvert Depth: 24"

Culvert Width: 24"

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

Invert In Elev.: 12.03' 12.9

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

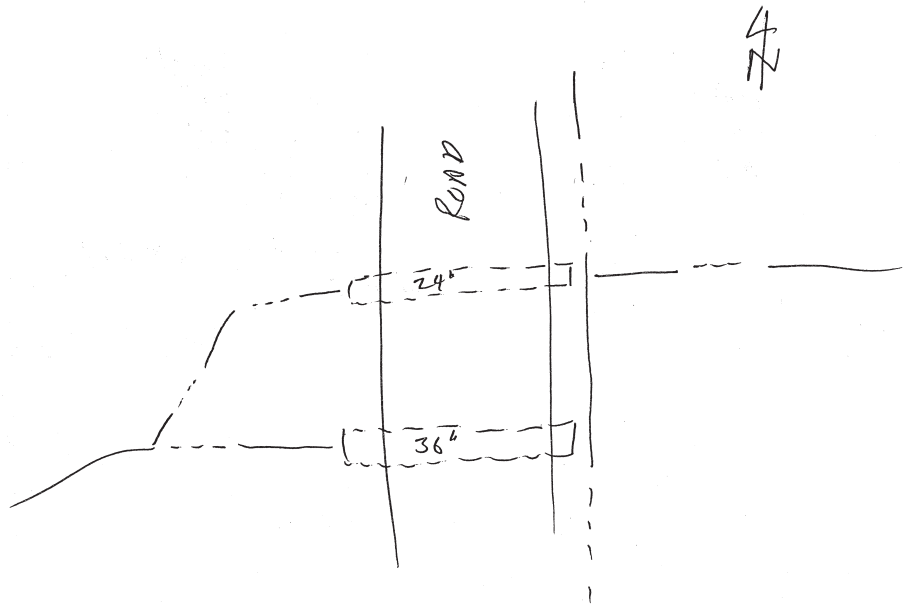
LAKE

Additional description of the point location: 25± North of Nodes 153/151

(OVER)

Sht 1 of 2

B-45



Sht 2 of 2