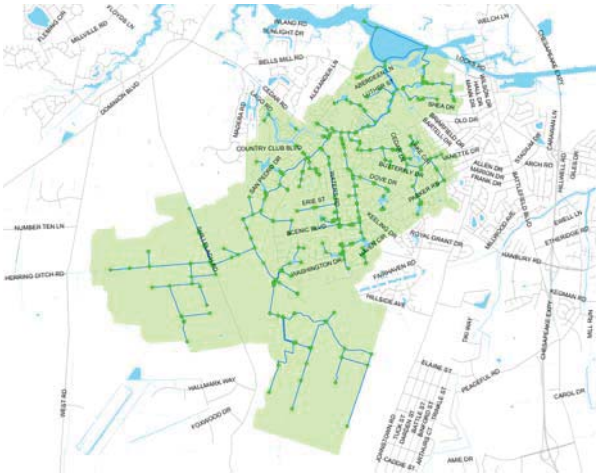


Appendix B
Survey Data

US Army Corps
of Engineers
Norfolk District

Chesapeake
VIRGINIA
Department of Public Works

URS

Project: Bells mill

Node/Point #: 235

Location/Nearest Intersection: 10

Date: 10-6-08

Surveyed By: M Mahn

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: 42"

Culvert Width: 42"

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

GROUND EL = 15.00

Flow Direction (circle one): ← →

Culvert Invert Elev.: 8.35

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

Bottom Width: _____

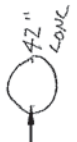
Side Slope (Horz/Vert): _____

CULVERT DITCH

Ground Elev.: 15.00

High Shoulder Elev.: _____

CULVERT



Low Shoulder Elev.: _____

Ditch Invert Elev.: 8.35

Additional description of the point location:

Project: BELLS MILL WATERSHED

Date: 10-2008

Node/Point #: 167

Surveyed By: MIKE MEEKINS

Location/Nearest Intersection: 4

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

Side Slope (Horz/Vert): _____

Culvert Material: CONCRETE 48"ø

Culvert Depth: _____

Culvert Width: _____

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

Culvert Invert Elev.: 7.14 / 7.38

Flow Direction (circle one): ← (→)

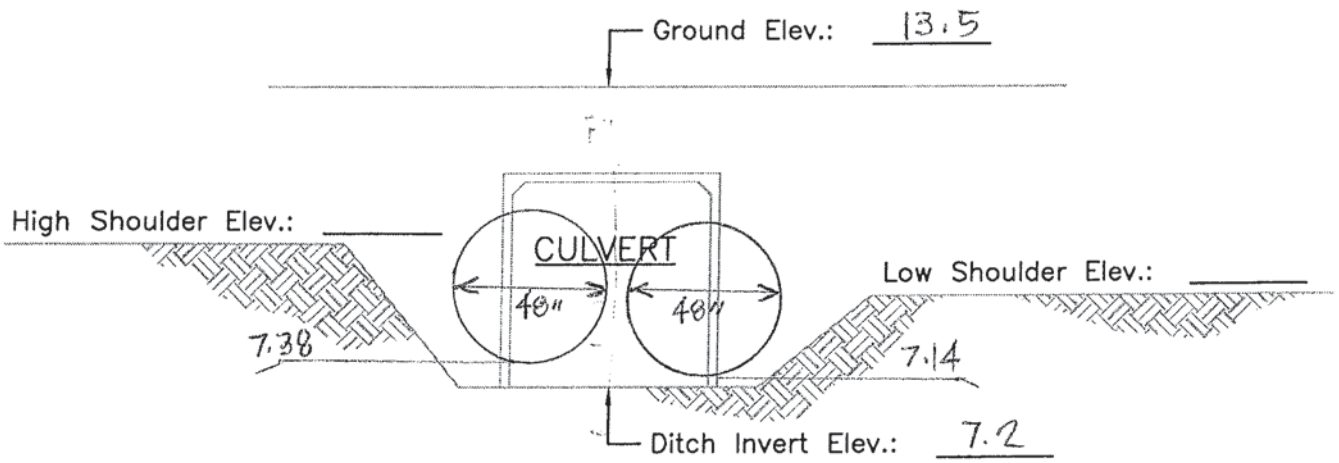
Channel Material (circle one): (Earth) / Conc. / Other

Bottom Width: _____

Side Slope (Horz/Vert): _____

CULVERT

DITCH



Additional description of the point location: DOWNSTREAM END

Project: BELLS MILL WATERSHED

Node/Point #: 167

Location/Nearest Intersection: 4

Date:

Surveyed By: MIKE MEEKINS

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

Side Slope (Horz/Vert):

Culvert Material: CONCRETE 48"ø

Culvert Depth:

Culvert Width:

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

Flow Direction (circle one): ← →

Bottom Width:

Culvert Invert Elev.: 7.34

7.39

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

Side Slope (Horz/Vert):

CULVERT

DITCH

Ground Elev.: 13.1

High Shoulder Elev.:

CULVERT

48"

48"

Low Shoulder Elev.:

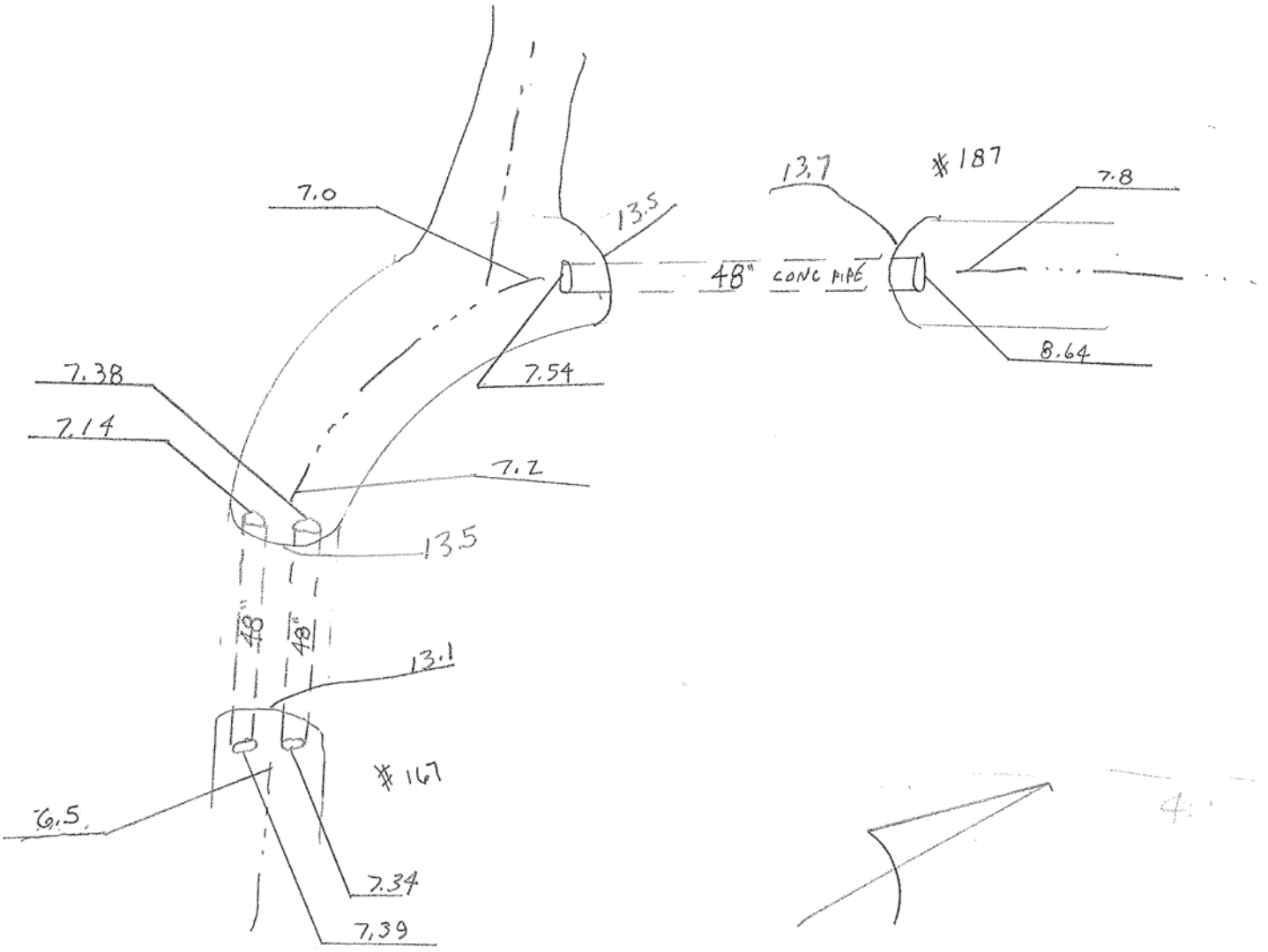
7.39

7.34

Ditch Invert Elev.: 6.5

Additional description of the point location:

UPSTREAM END


7.0
13.5
48" CONC PIPE
13.7
#187
7.8
8.64
7.54
7.38
7.14
7.2
13.5
48"
48"
13.1
#167
6.5
7.34
7.39

Project: BELLS MILLS WATERSHED

Node/Point #: 187

Location/Nearest Intersection: 4

Date: 10 · 2008

Surveyed By: MIKE MEEKINS

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

Side Slope (Horz/Vert): _____

Culvert Material: 48" CONCRETE

Culvert Depth: _____

Culvert Width: _____

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

Culvert Invert Elev.: 8.64

Flow Direction (circle one): ← →

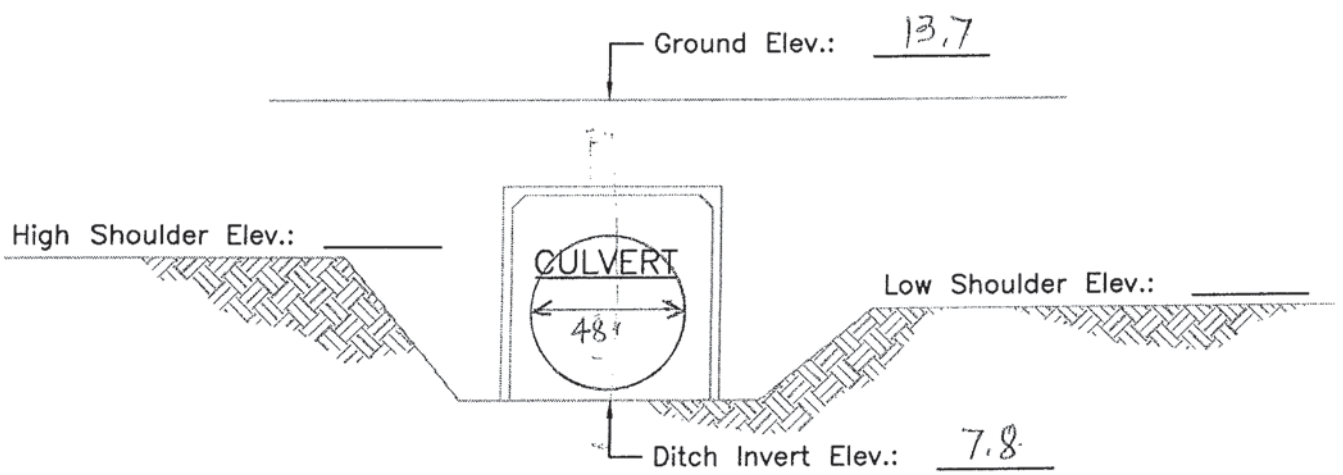
Channel Material (circle one):
Earth / Conc. / Other

Bottom Width: _____

Side Slope (Horz/Vert): _____

CULVERT

DITCH



Additional description of the point location: UPSTREAM END

Project: BELLS MILL WATERSHED

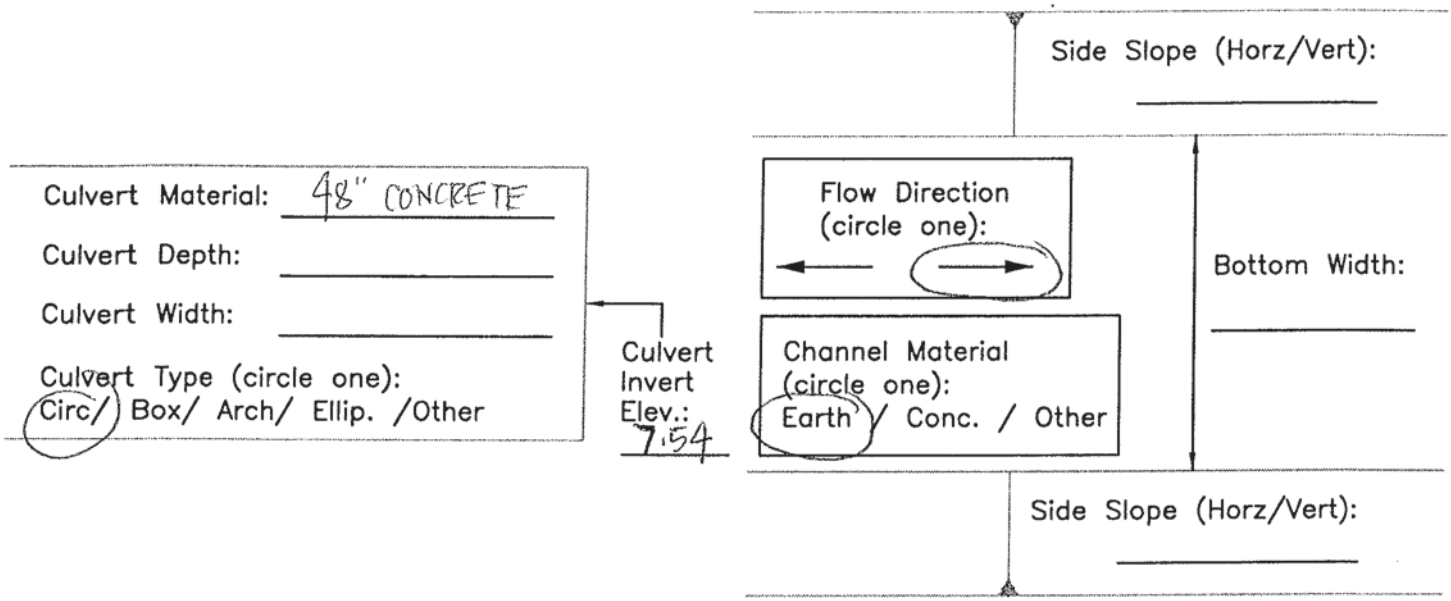
Node/Point #: 187

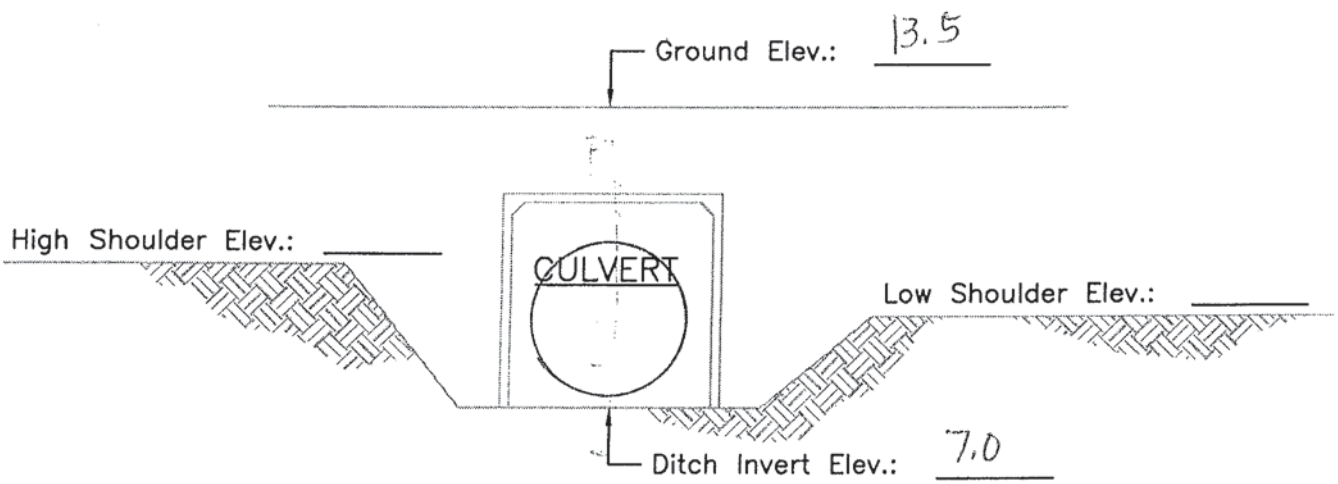
Location/Nearest Intersection: 4

Date: 10 - 2008

Surveyed By: MIKE MEEKINS

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





Additional description of the point location: DOWNSTREAM END

Project: Bells mill

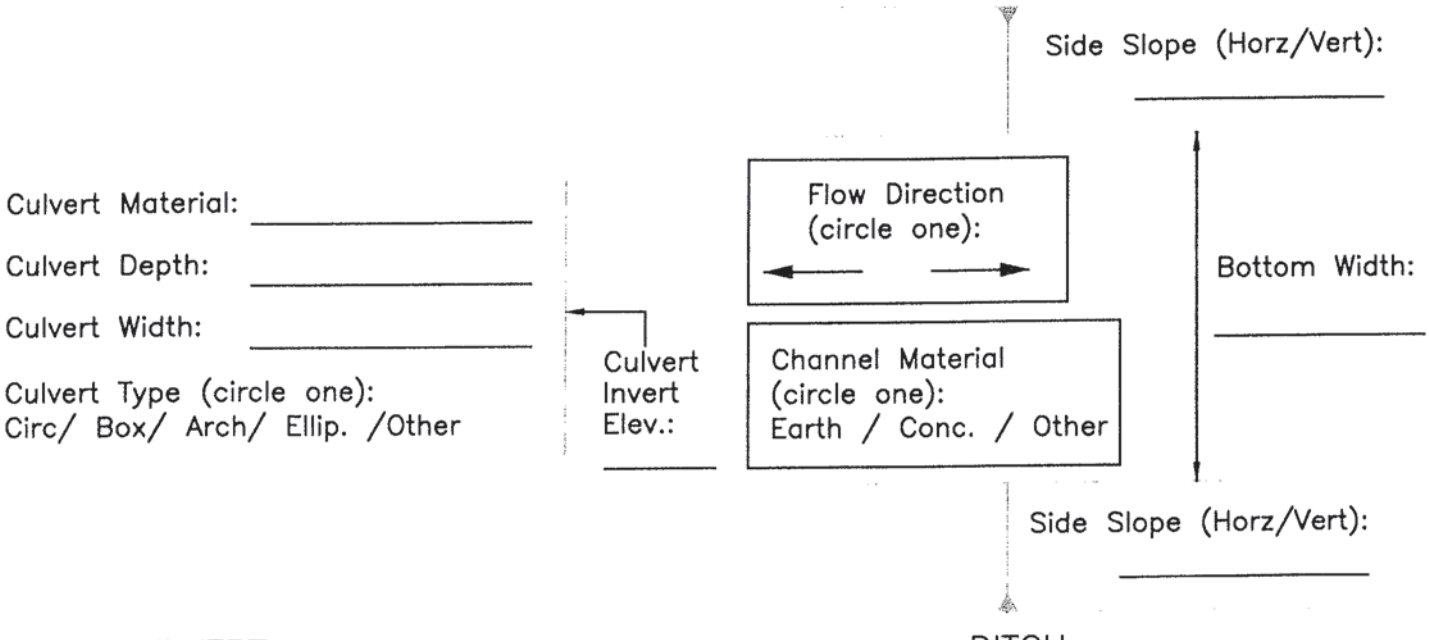
Node/Point #: 205

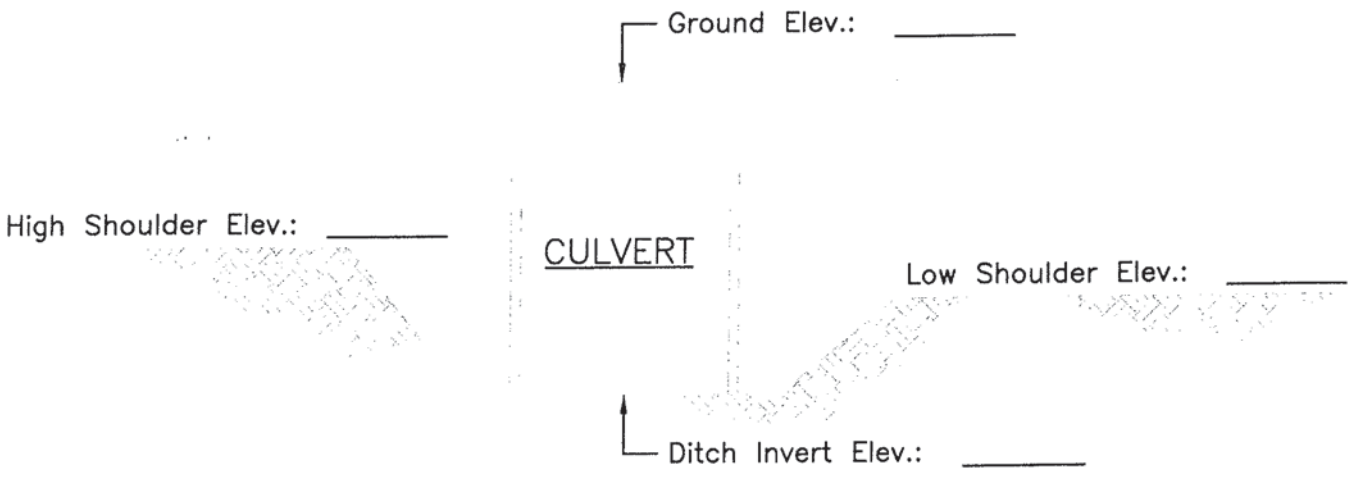
Location/Nearest Intersection: 6

Date: 10-6-08

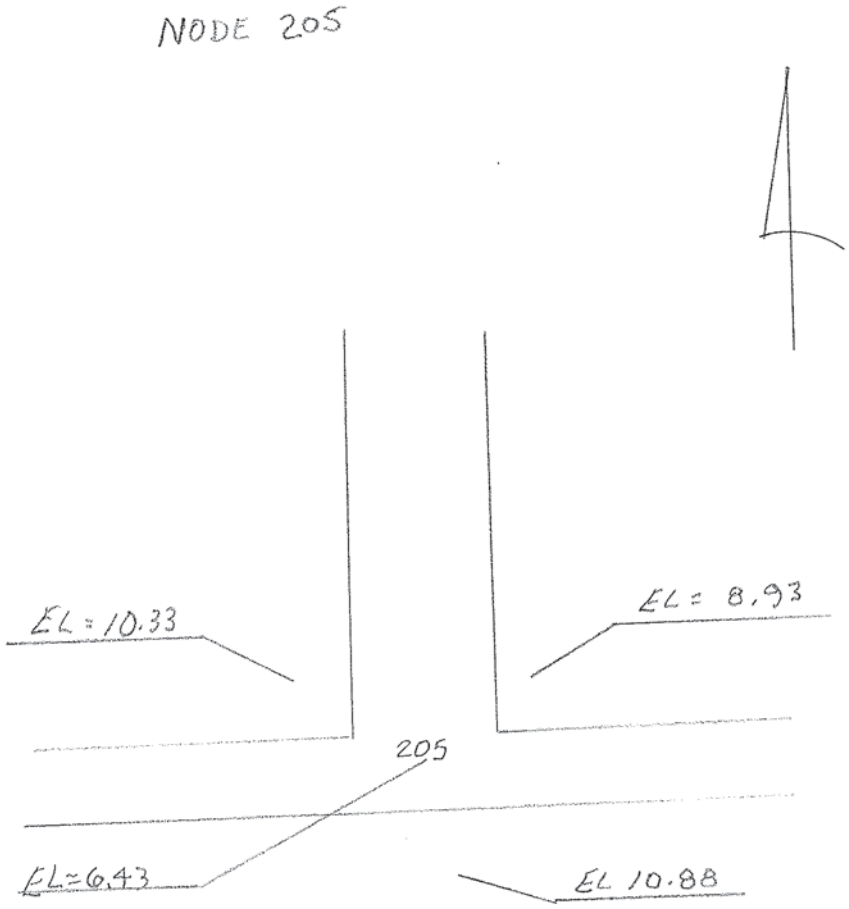
Surveyed By: M Meekins

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





Additional description of the point location: See Back page for DRAWING & INFO.


NODE 205
EL = 10.33
EL = 8.93
205
EL = 6.43
EL 10.88

Project: BELLS MILL

Node/Point #: 209 BIG DITCH

Location/Nearest Intersection: 8

Date: 10-6-08

Surveyed By: M. Meekins

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

Flow Direction (circle one): ← →

Culvert Invert Elev.: _____

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

Bottom Width: _____

Side Slope (Horz/Vert): _____

CULVERT DITCH

Ground Elev.: 11.5

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

42"

Ditch Invert Elev.: 7.39

Additional description of the point location:

Project: Bells Mill

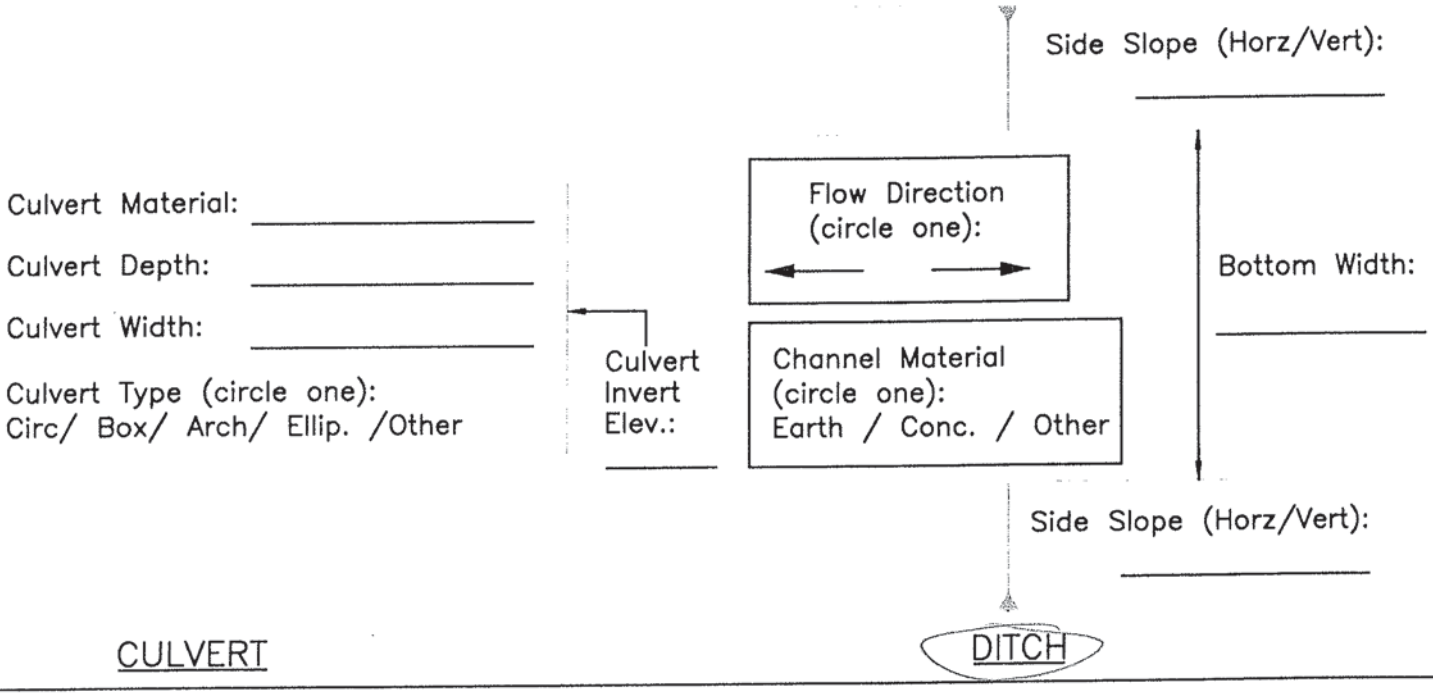
Node/Point #: 217

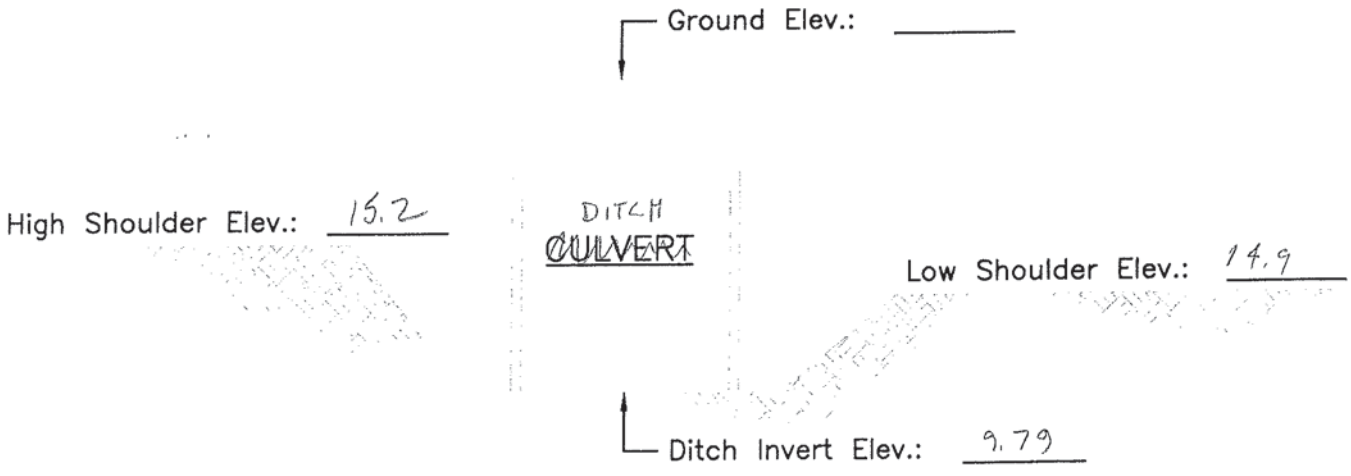
Location/Nearest Intersection: 7

Date: 10-6-08

Surveyed By: M. Meekins

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





Additional description of the point location:

Project: Bells Mill

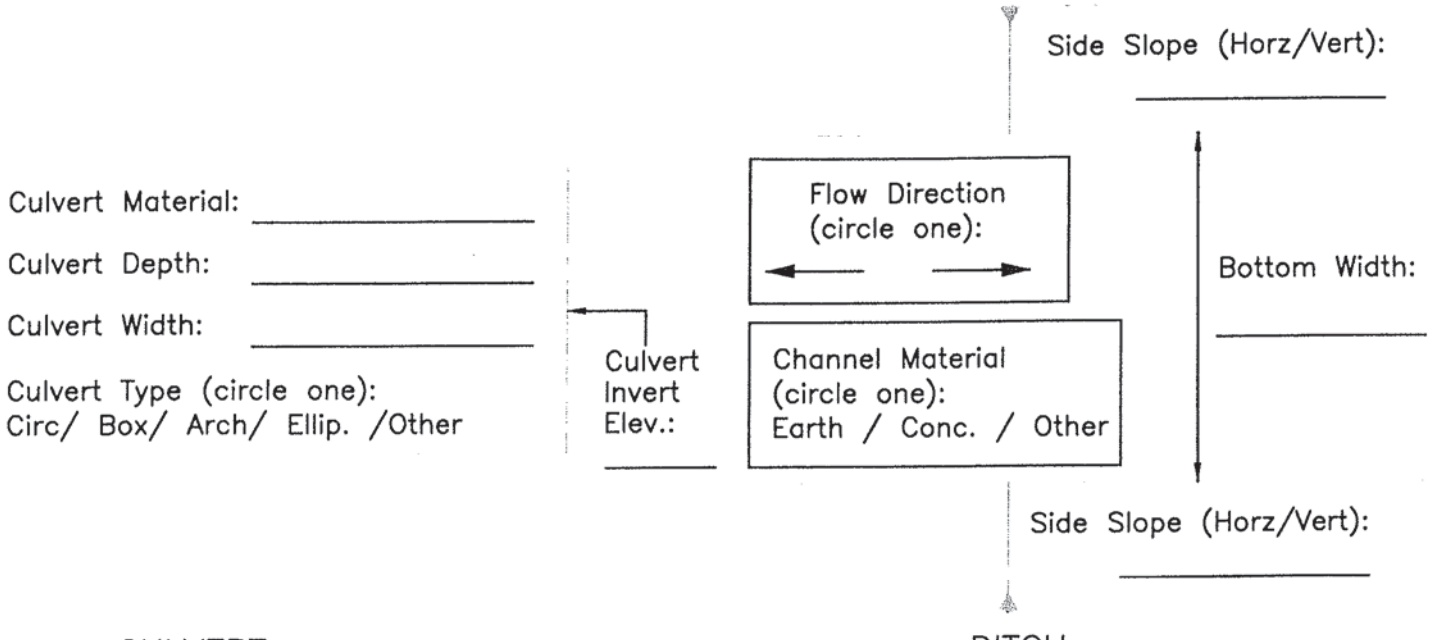
Node/Point #: 219

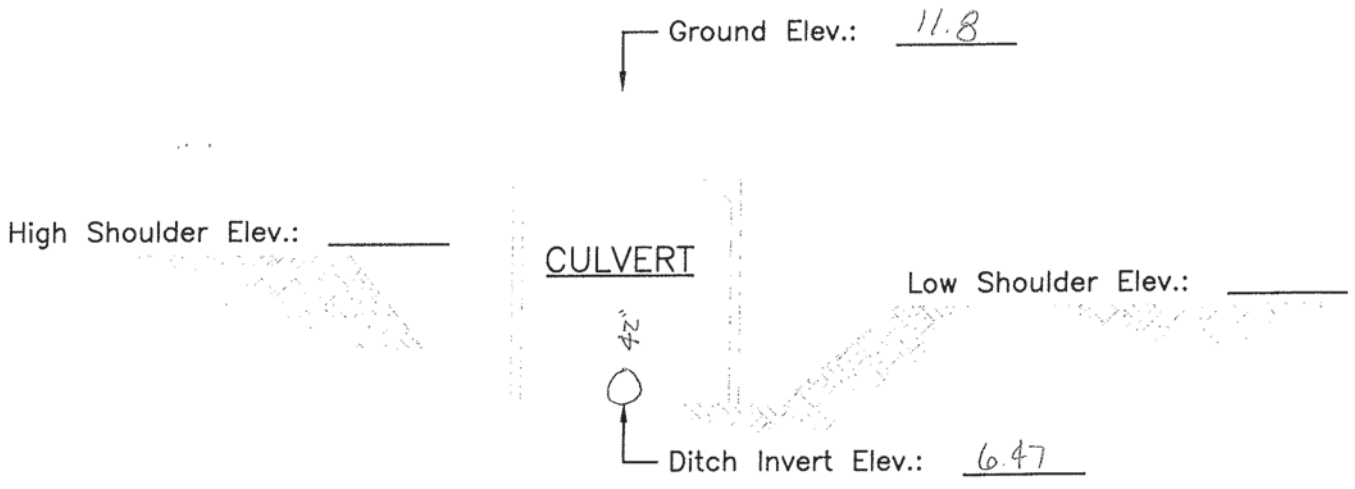
Location/Nearest Intersection: 8

Date: 10.6.08

Surveyed By: M Meekins

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





Additional description of the point location:

Project: Bells Mill

Node/Point #: 223

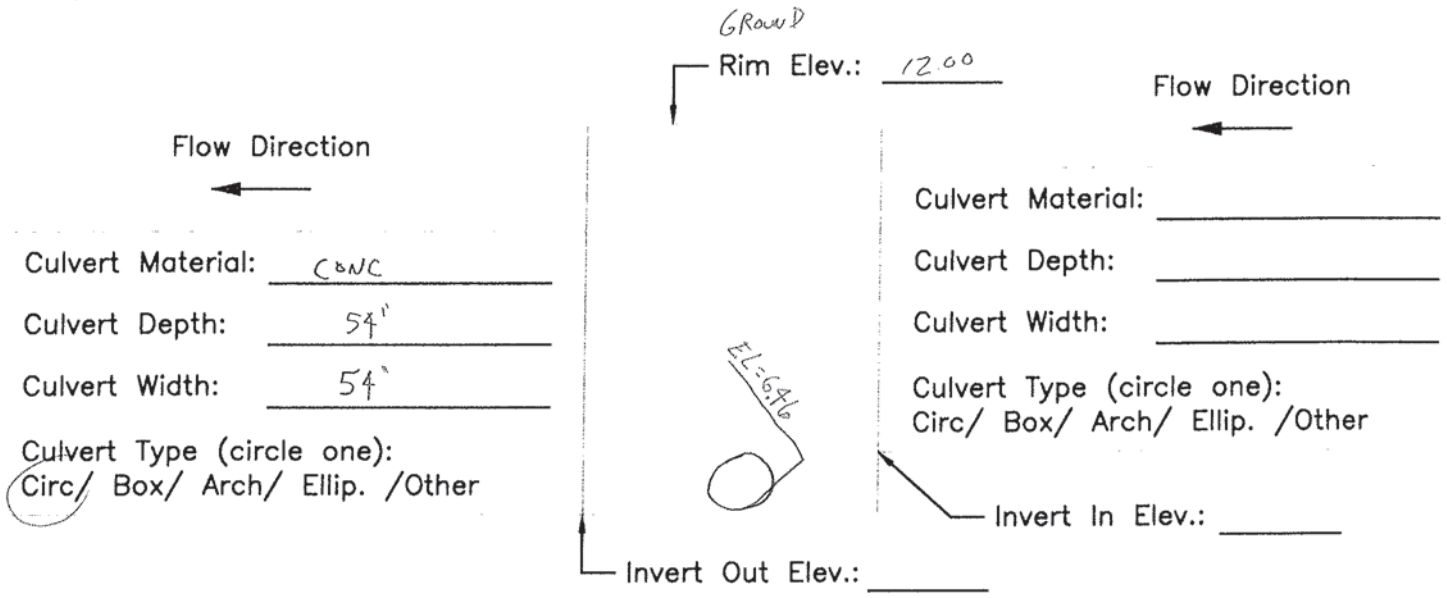
Location/Nearest Intersection: 9

Date: @ 10-6-08

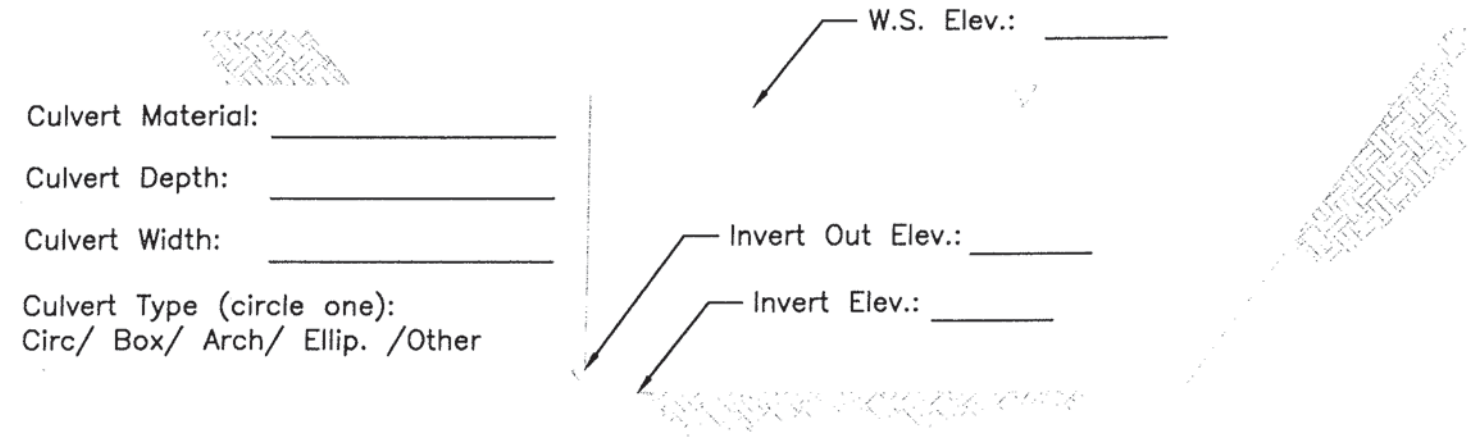
Surveyed By: MJM

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

4.71



CULVERT JUNCTION/INLET CULVERT



OUTLET CULVERT LAKE

Additional description of the point location:

Project: Bells Mill

Node/Point #: 225

Location/Nearest Intersection:

Date: 10-6-08

Surveyed By: M Mueller

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

5.04

GROUND ~~Rim~~ Elev.: 12.00

Flow Direction ←

Flow Direction ←

PIPE

Culvert Material: CONC

Culvert Depth: 54"

Culvert Width: 54"

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

EL=6.45

Invert Out Elev.:

Culvert Material:

Culvert Depth:

Culvert Width:

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

Invert In 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: Bells Mill

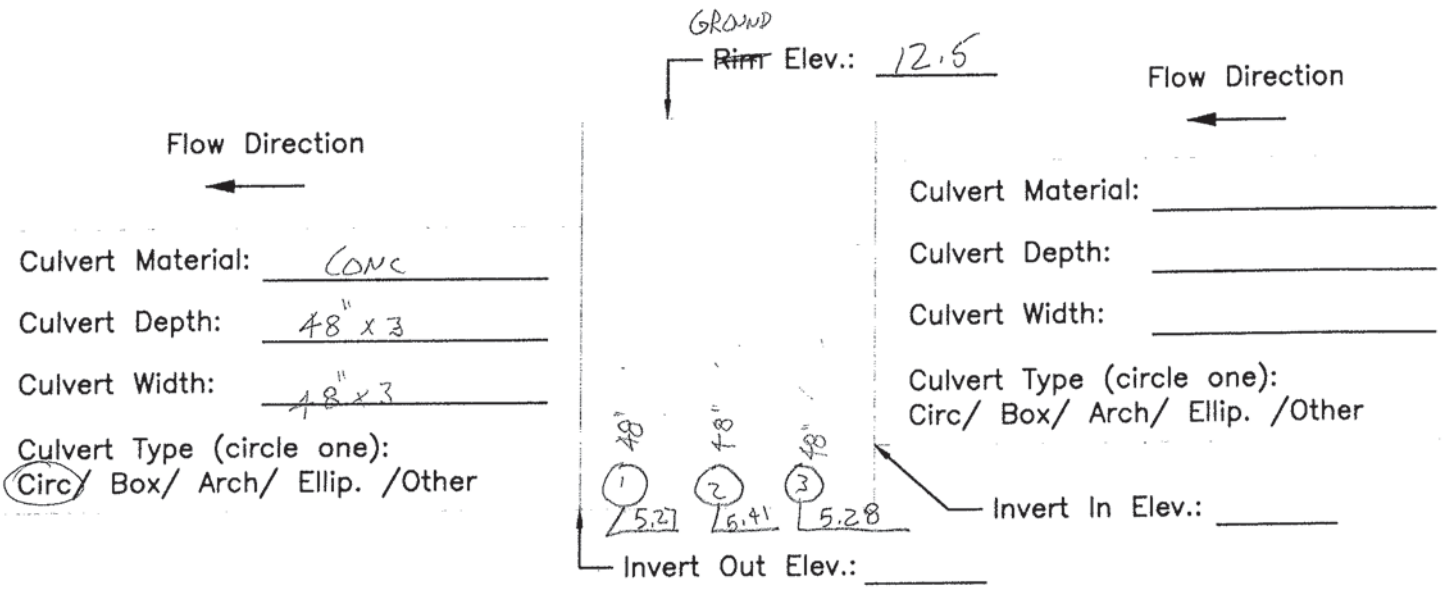
Node/Point #: 253

Location/Nearest Intersection: 11

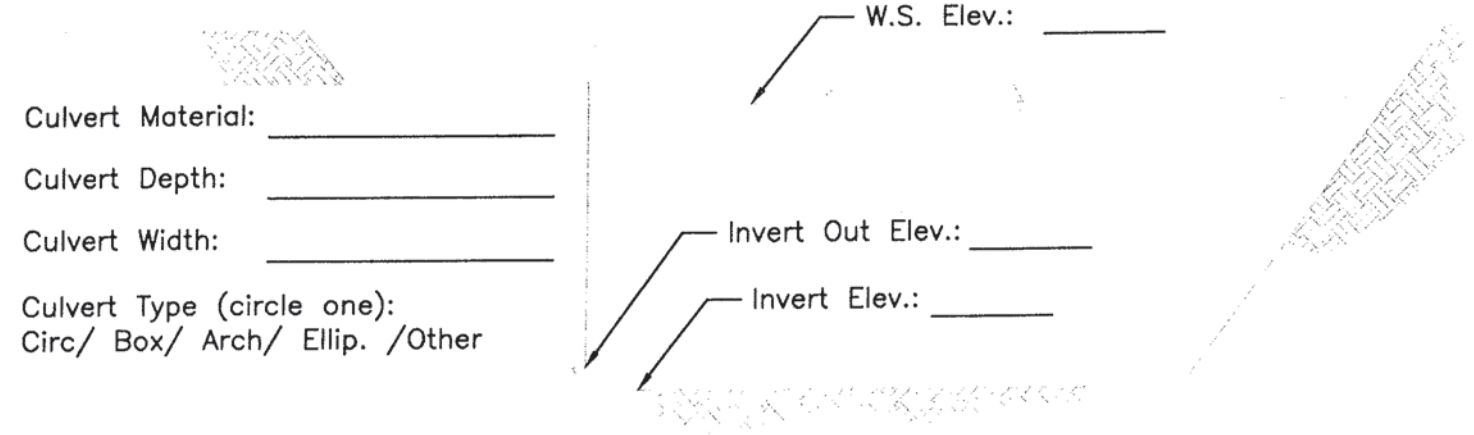
Date: 10-6-08

Surveyed By: M Meekins

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: Bells Mill

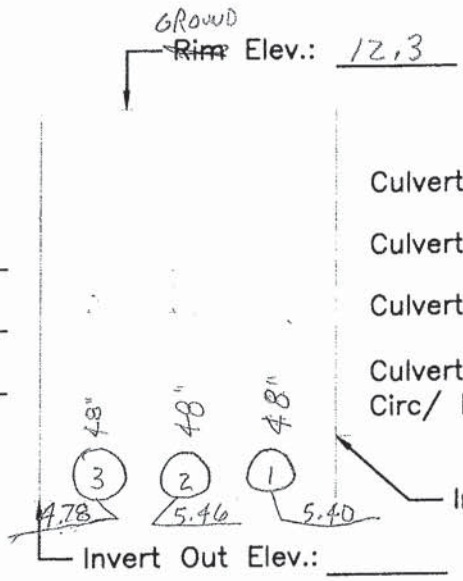
Node/Point #: 255 / new Houses

Location/Nearest Intersection: 11

Date: 10-6-08

Surveyed By: M. Meekins

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



Flow Direction

Culvert Material: CONC

Culvert Depth: 48" x3

Culvert Width: 48" x 3

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

CULVERT

Flow Direction

Culvert Material:

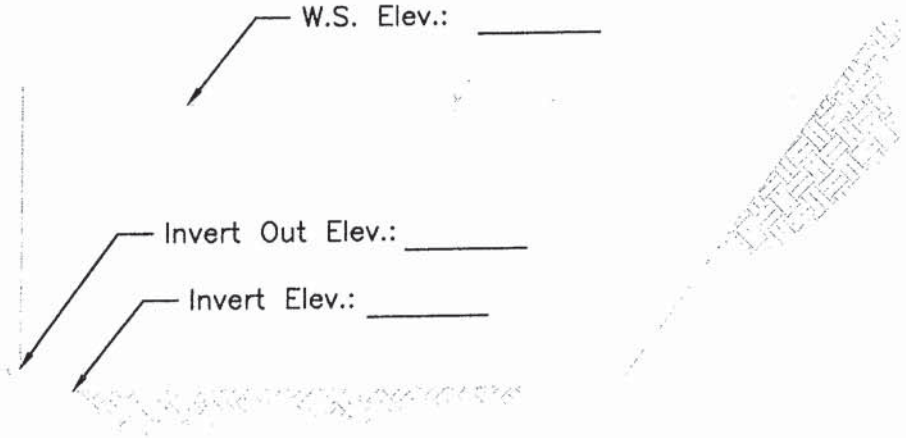
Culvert Depth:

Culvert Width:

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

CULVERT

JUNCTION/INLET



Culvert Material:

Culvert Depth:

Culvert Width:

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

OUTLET CULVERT

LAKE

Additional description of the point location:

Project: BELLS MILL WATERSHED

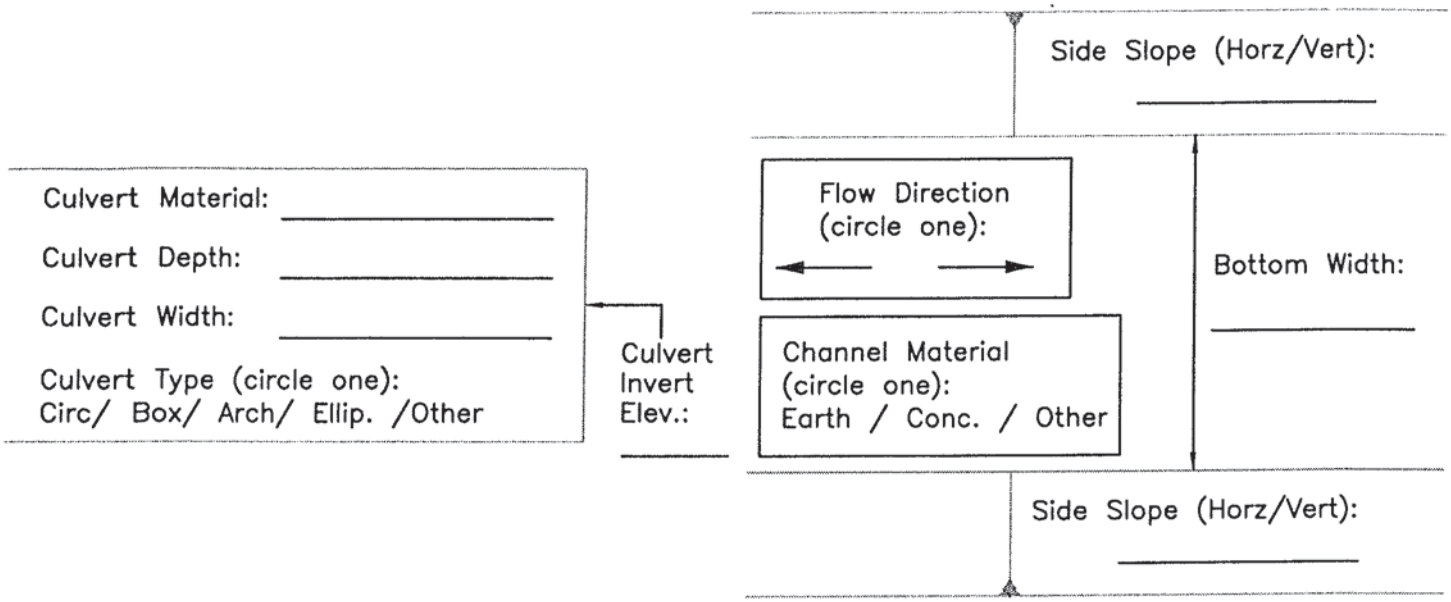
Node/Point #: 265

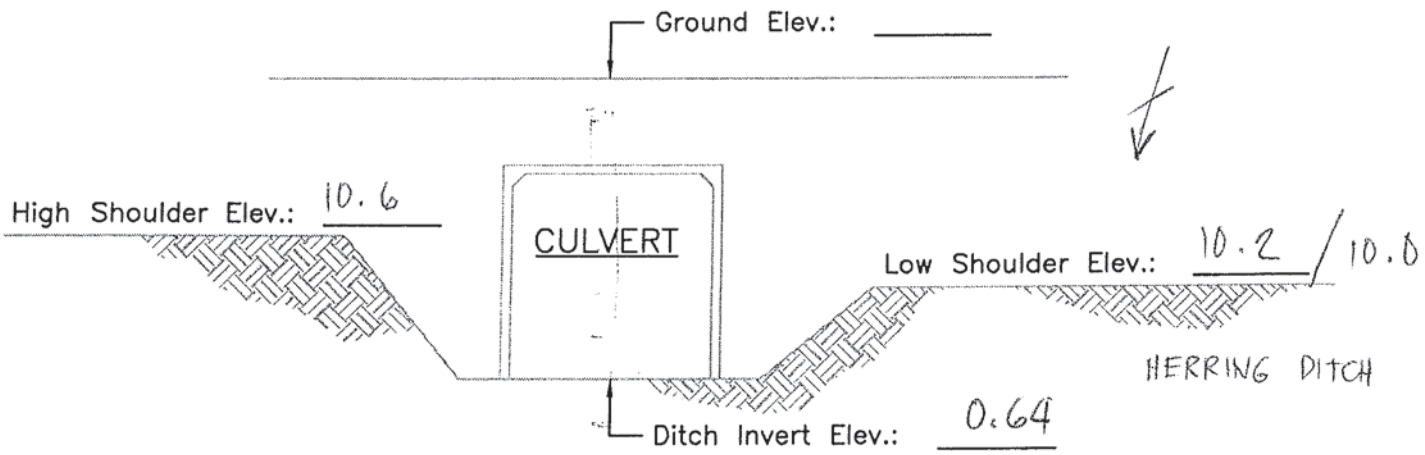
Location/Nearest Intersection: 12

Date: 10-2008

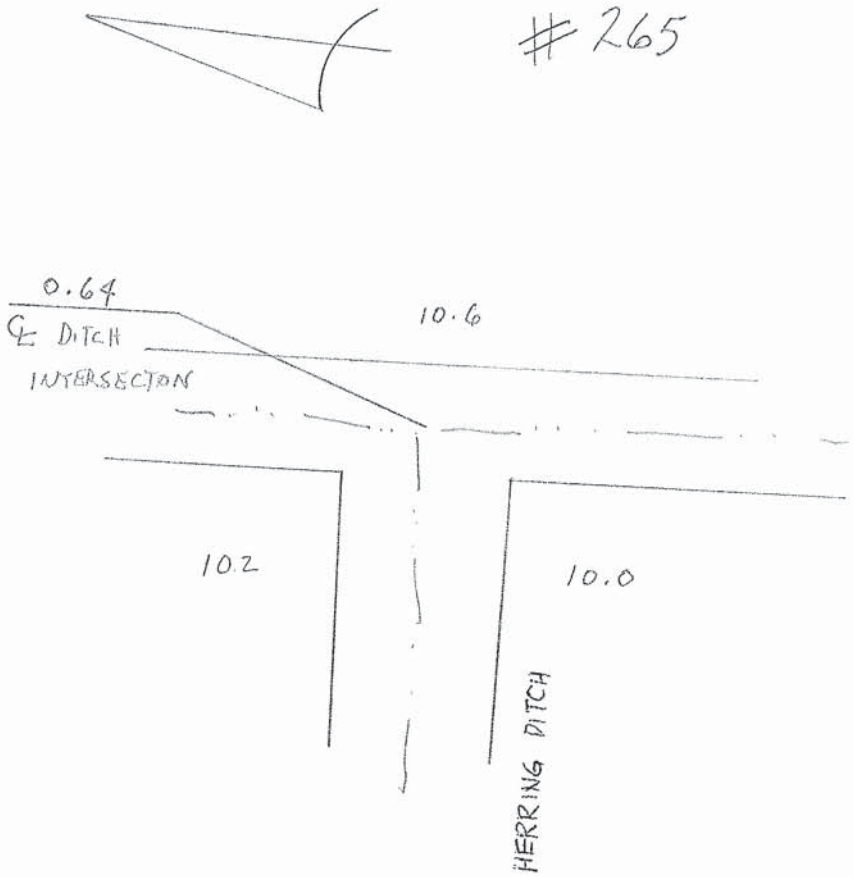
Surveyed By: M. MEEKINS

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





Additional description of the point location: CENTERLINE DITCH INTERSECTION


#265
0.64
℄ DITCH
INTERSECTION
10.6
10.2
10.0
HERRING DITCH

Project: BELLS MILL WATERSHED

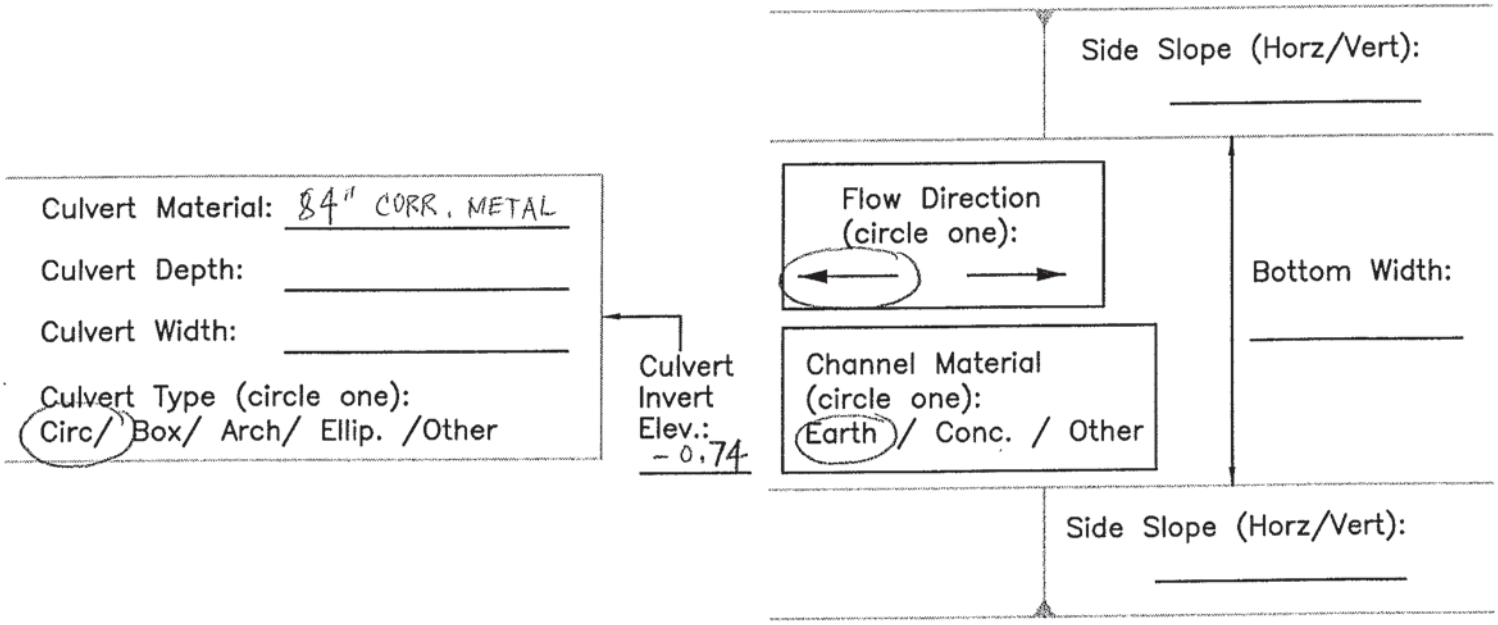
Node/Point #: 271 / 273

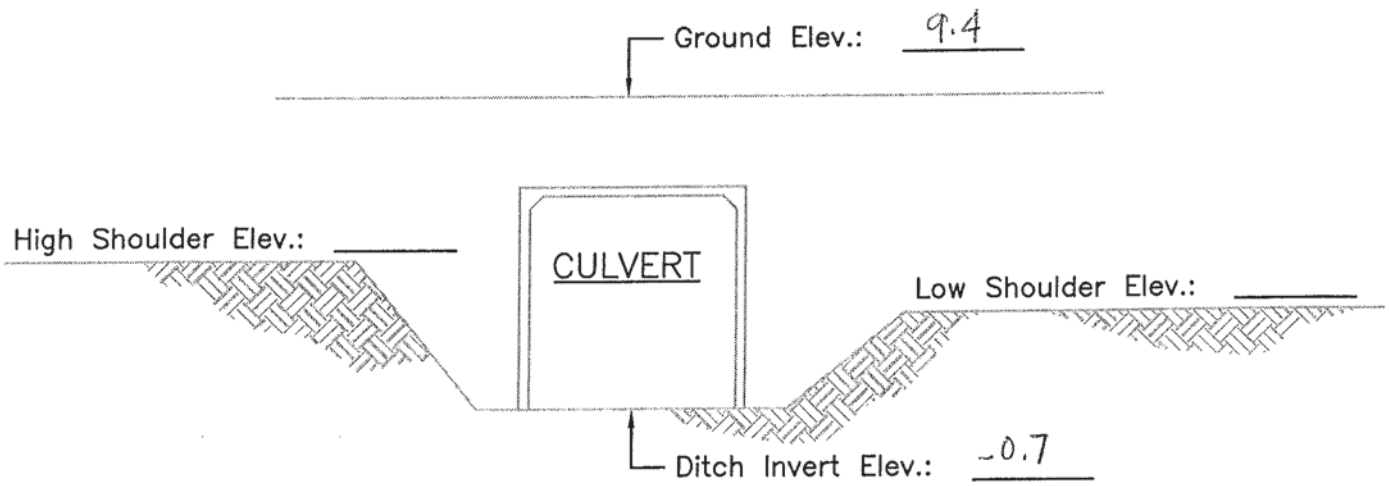
Location/Nearest Intersection: 13

Date: 10-2008

Surveyed By: M. MEEKINS

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





Additional description of the point location: UPSTREAM END

Project: BELLS MILL

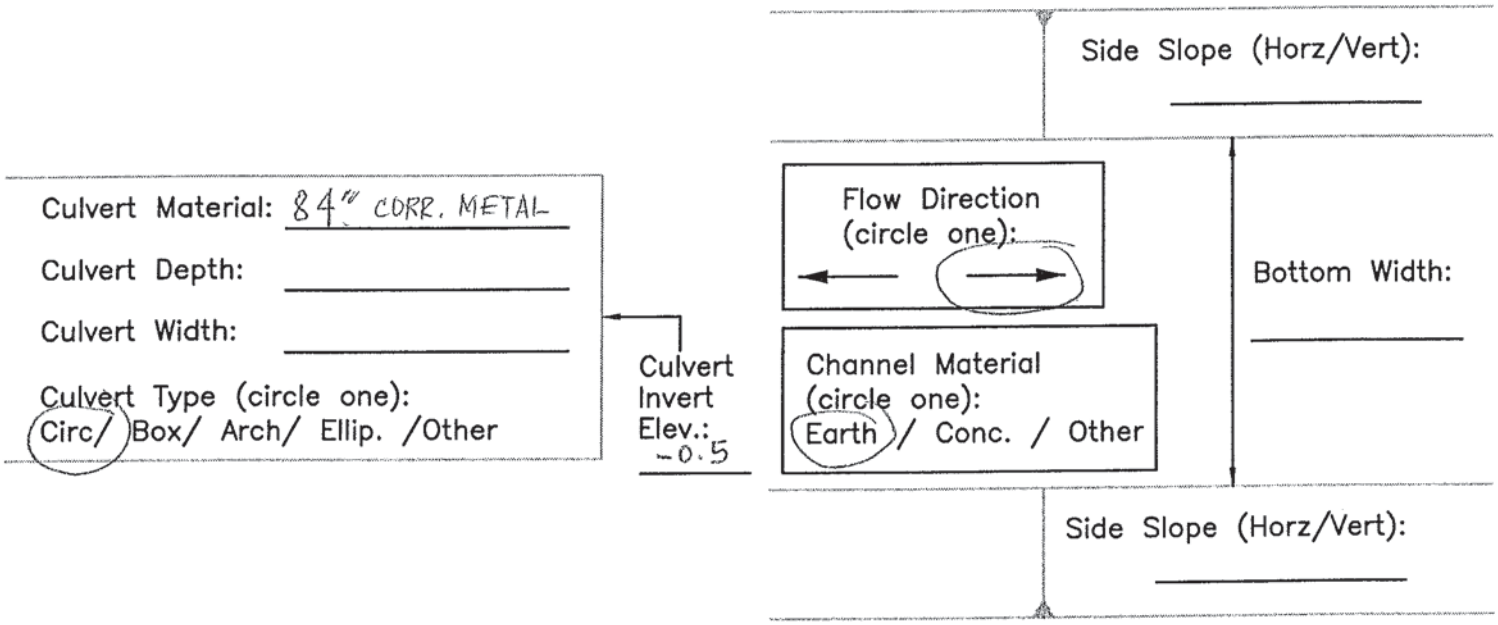
Node/Point #: 271 / 273

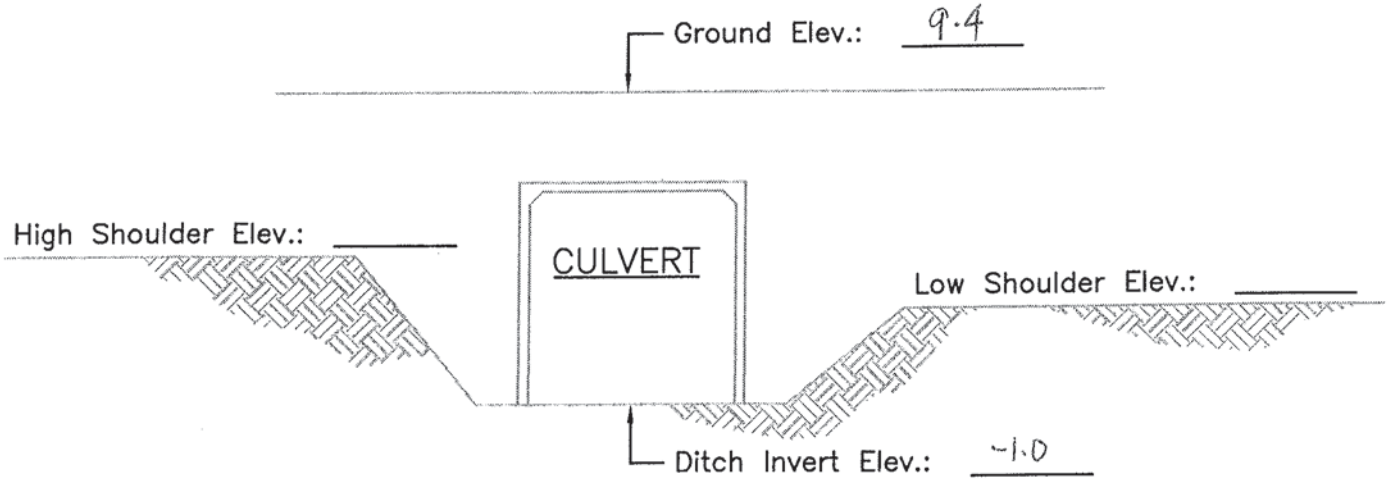
Location/Nearest Intersection: 13

Date: 10-2008

Surveyed By: M. MEEKINS

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





Additional description of the point location: DOWNSTREAM END

Project: WATERSHED - BELLS MILL

Node/Point #: 291

Location/Nearest Intersection: 14

Date: 10-30-2008

Surveyed By: M. MEEKINS

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.: _____

Flow Direction (circle one): ← →

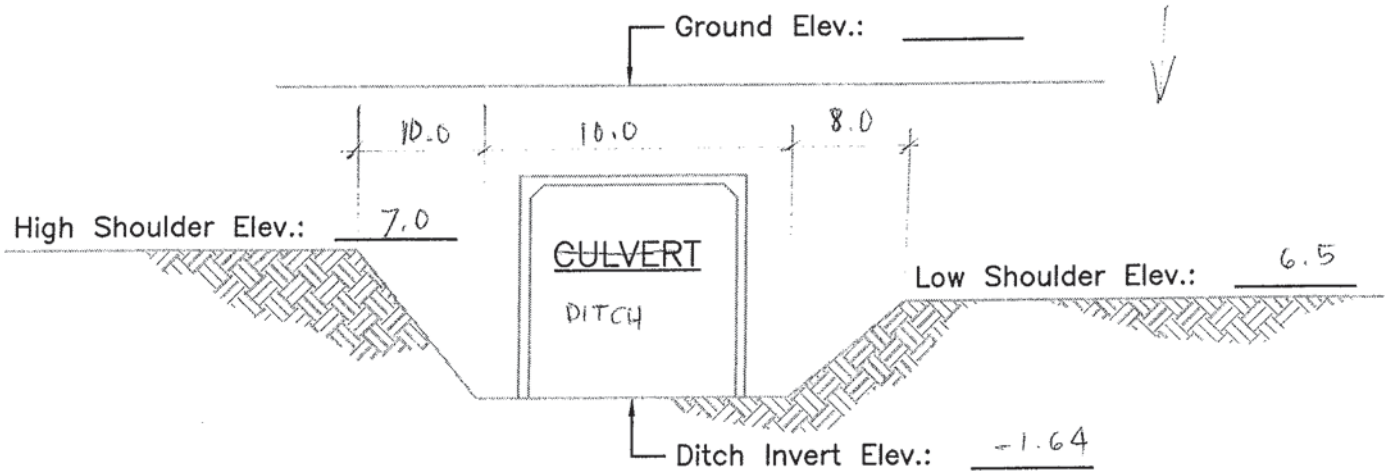
Channel Material (circle one):
Earth / Conc. / Other

Bottom Width: 10.0

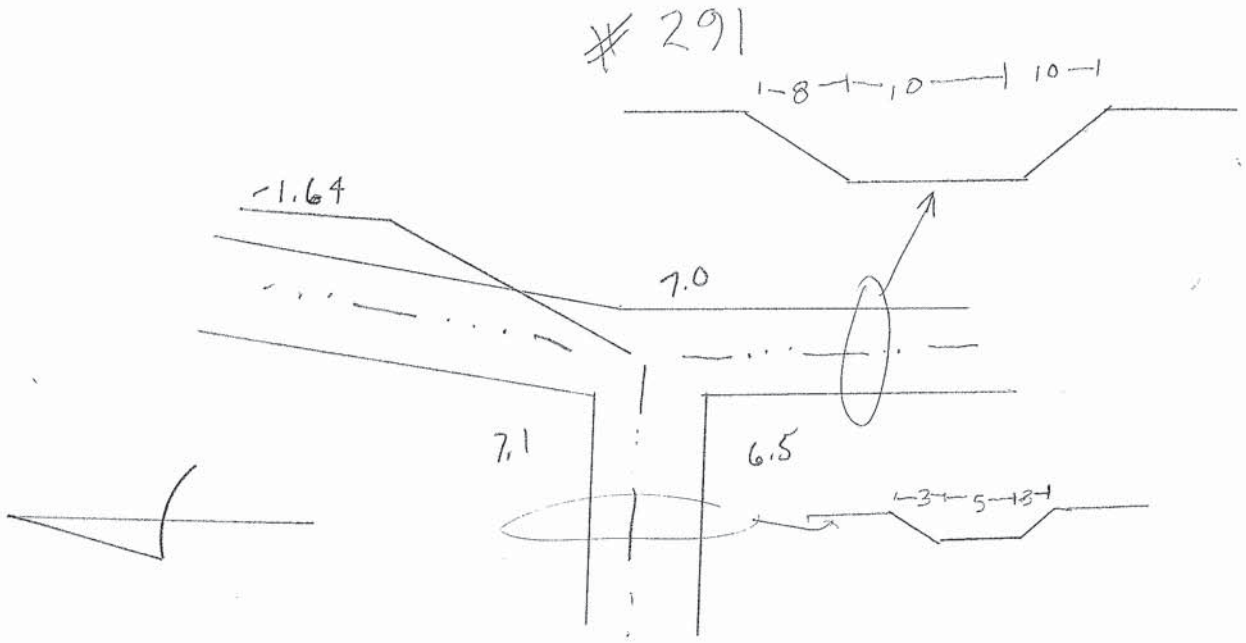
Side Slope (Horz/Vert): _____

CULVERT

DITCH



Additional description of the point location:



	12.36	4.70	7.66
6.54	14.20	5.25	8.95
6.16	15.11	6.03	9.08
5.81	14.89	5.10	9.79
6.05	15.84	4.27	11.57
6.16	17.73	7.60	10.13
5.00	15.13	4.91	10.22
5.98	16.20	5.87	10.33

Project: Bells Mill

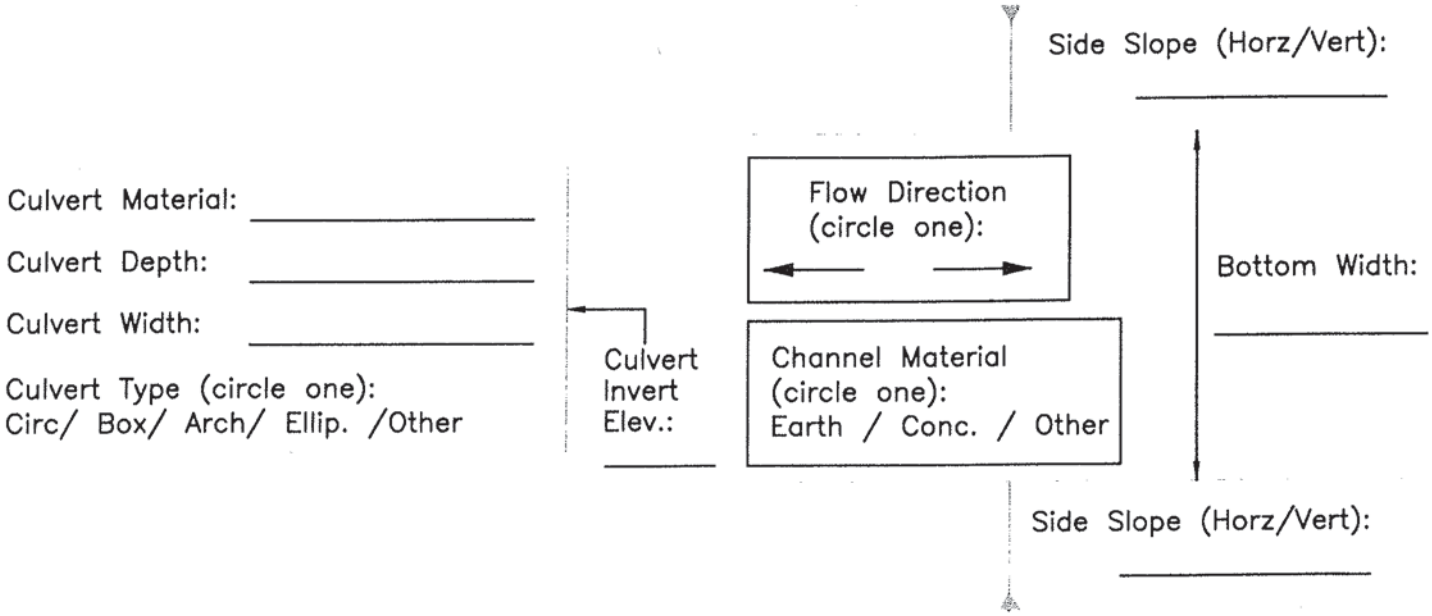
Node/Point #: 305

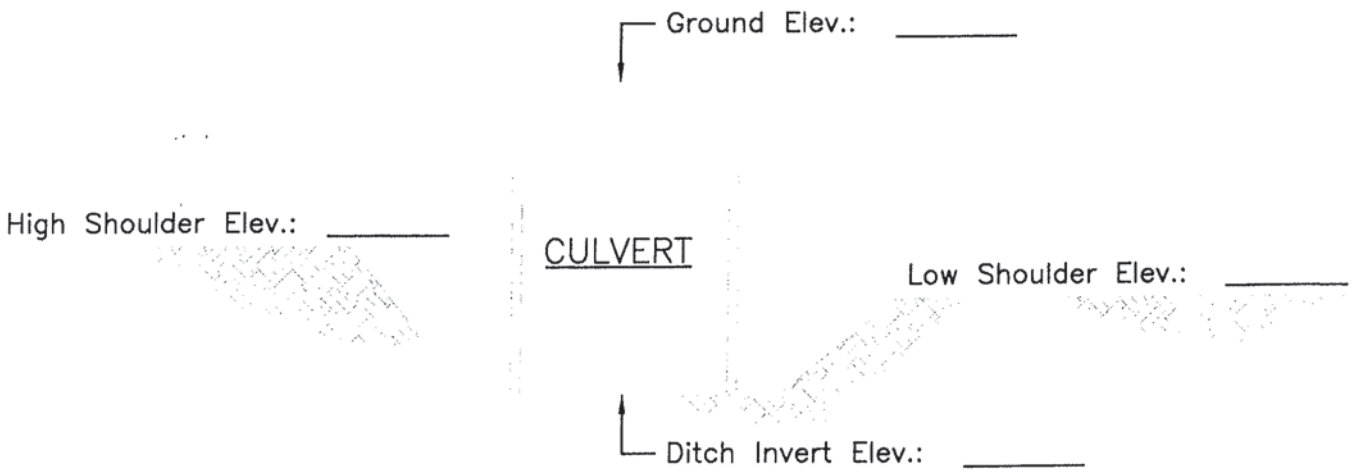
Location/Nearest Intersection: CURVO ct

Date: 10-20-08

Surveyed By: MM

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

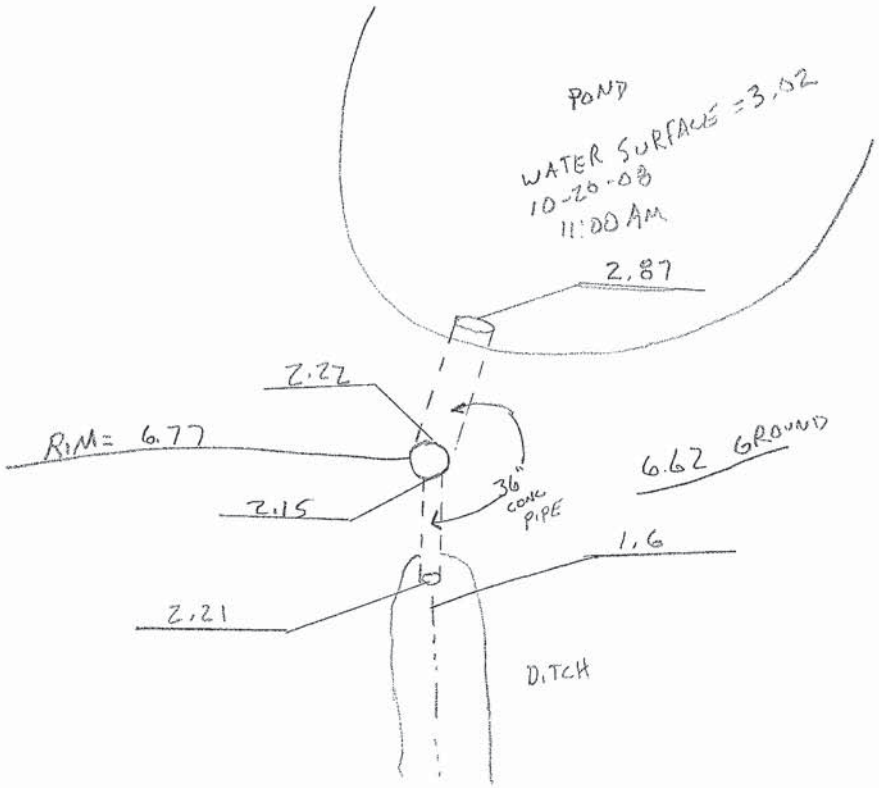




Additional description of the point location:

INFO FOR NODE 305 ON RACK

NODE 305

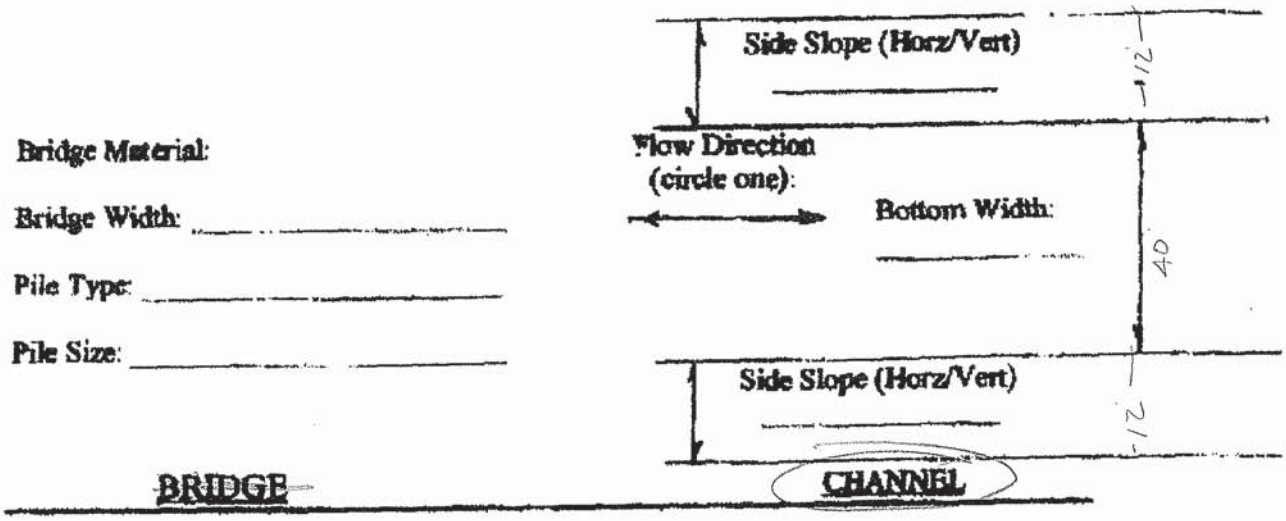

POND
WATER SURFACE = 3.02
10-28-08
11:00 AM
2.87
2.22
RIM = 6.77
6.62 GROUND
2.15
36" CONC PIPE
1.6
2.21
DITCH

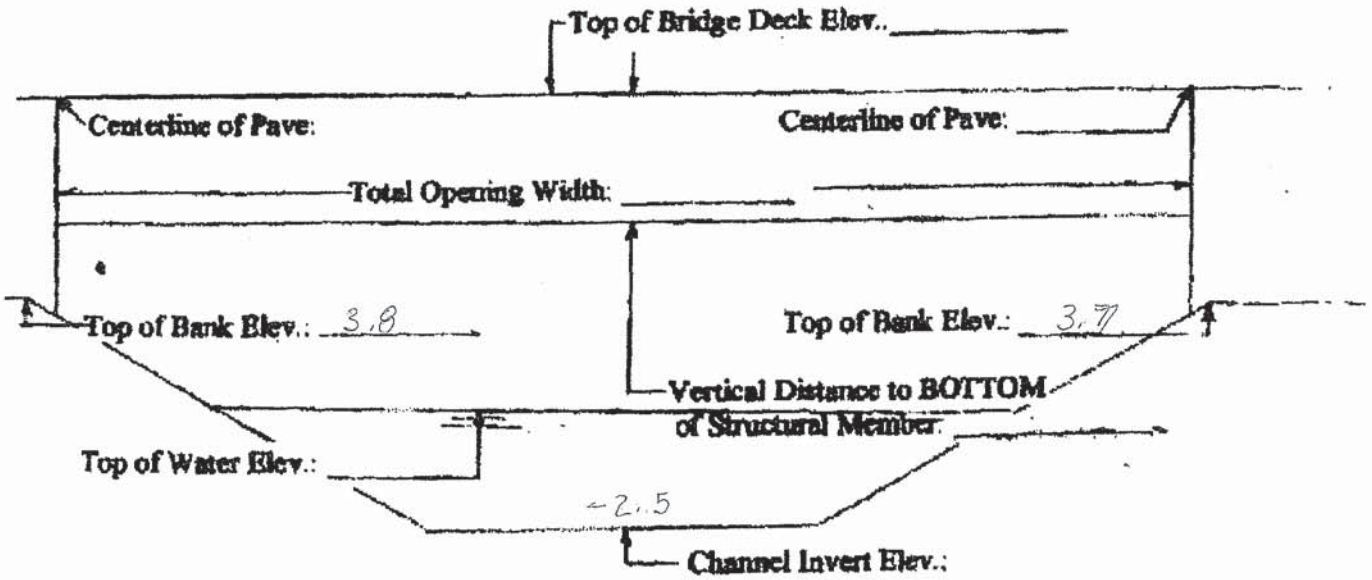
9.47

Project: Bells Mill WATERSHED
Node/Point #: 329
Location/Nearest Intersection: 15

Date: 10-29-08
Surveyed By: M. MEEKINS

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





Project: Bells Mill

Node/Point #: 409

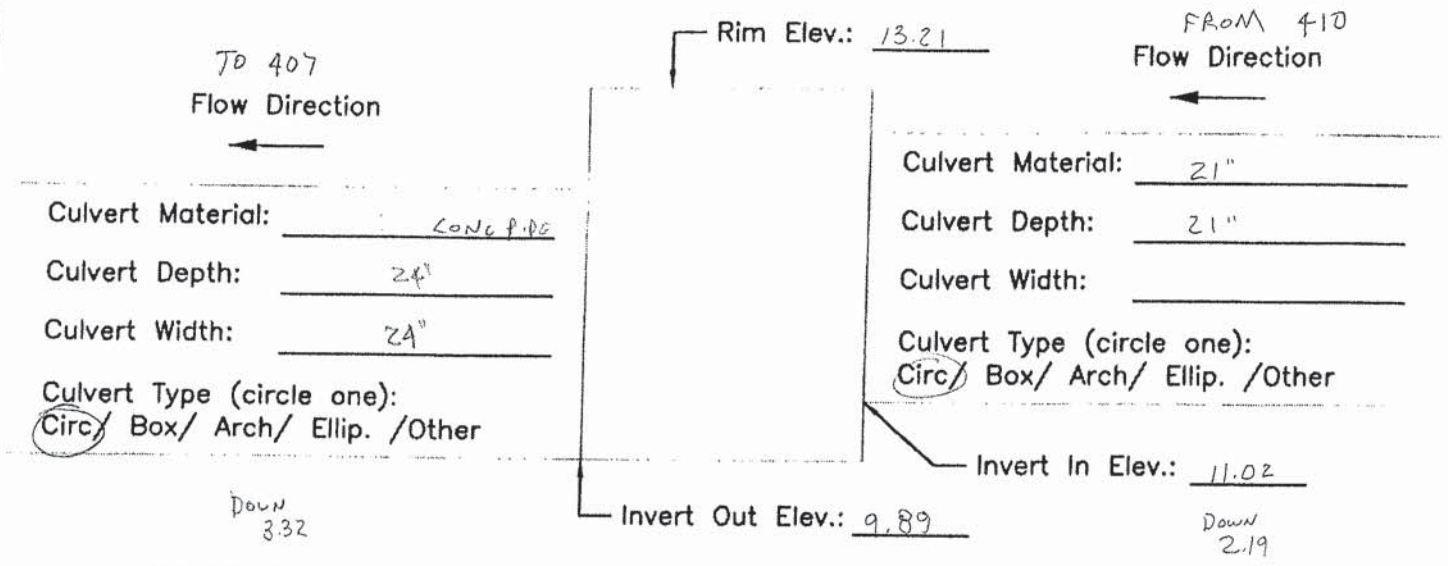
Location/Nearest Intersection:

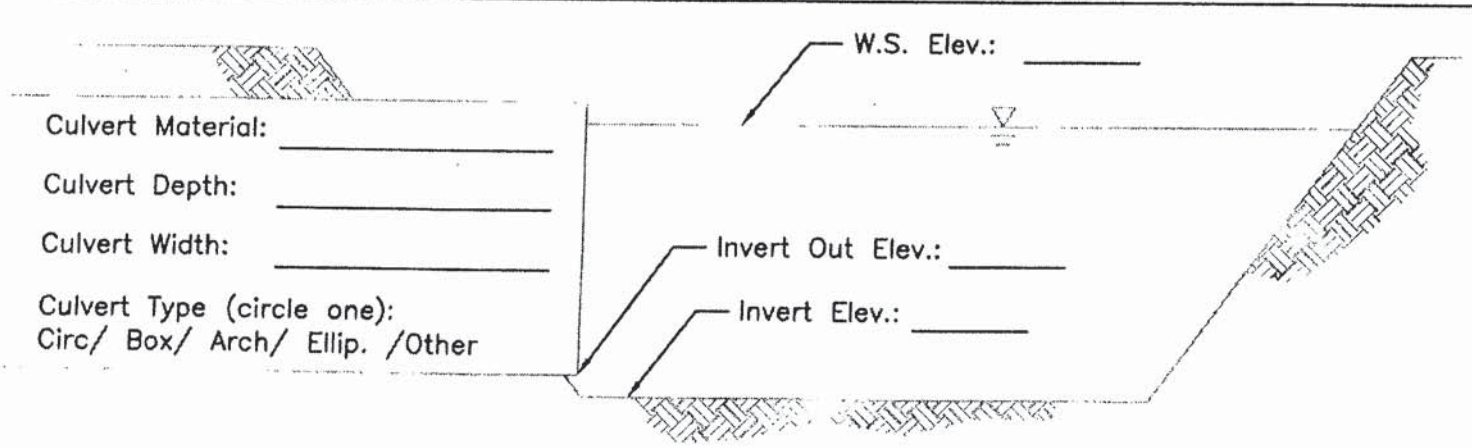
Date: 11-3-08

Surveyed By: Meeks

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

DROP INLET





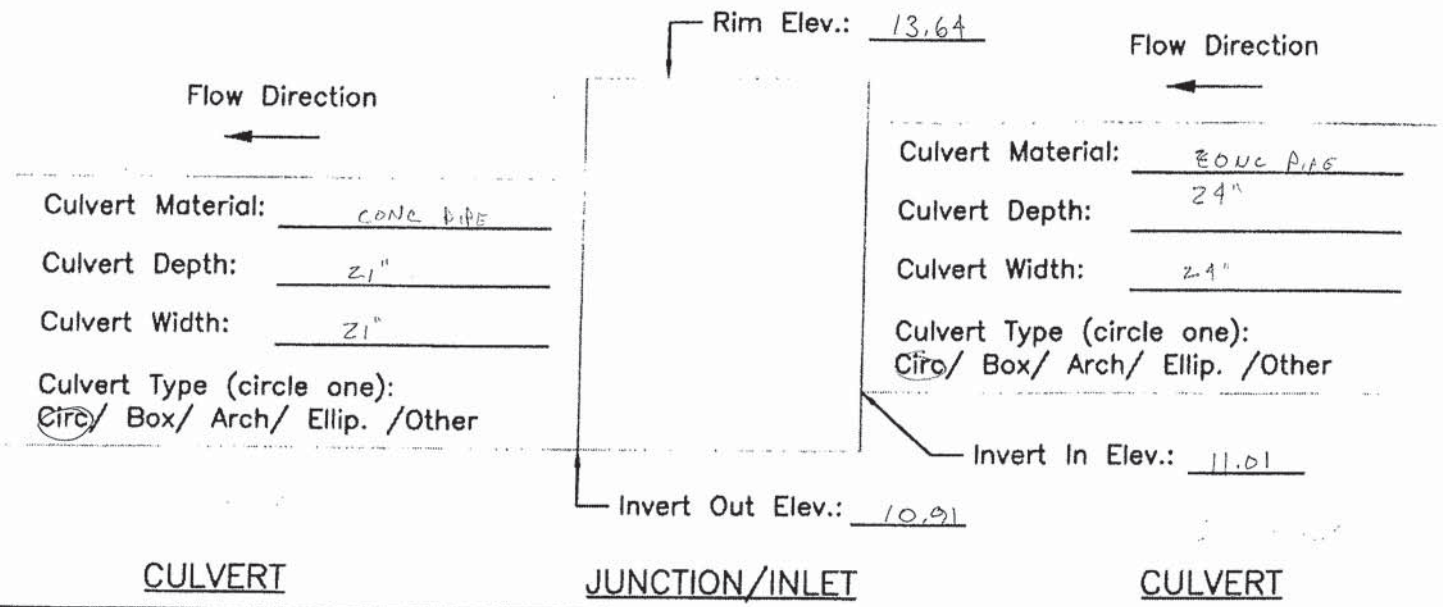
Additional description of the point location:

Project: BELLS MILL WATERSHED
Node/Point #: 410
Location/Nearest Intersection: WATERS RD S/O MILLBROOK ARCH

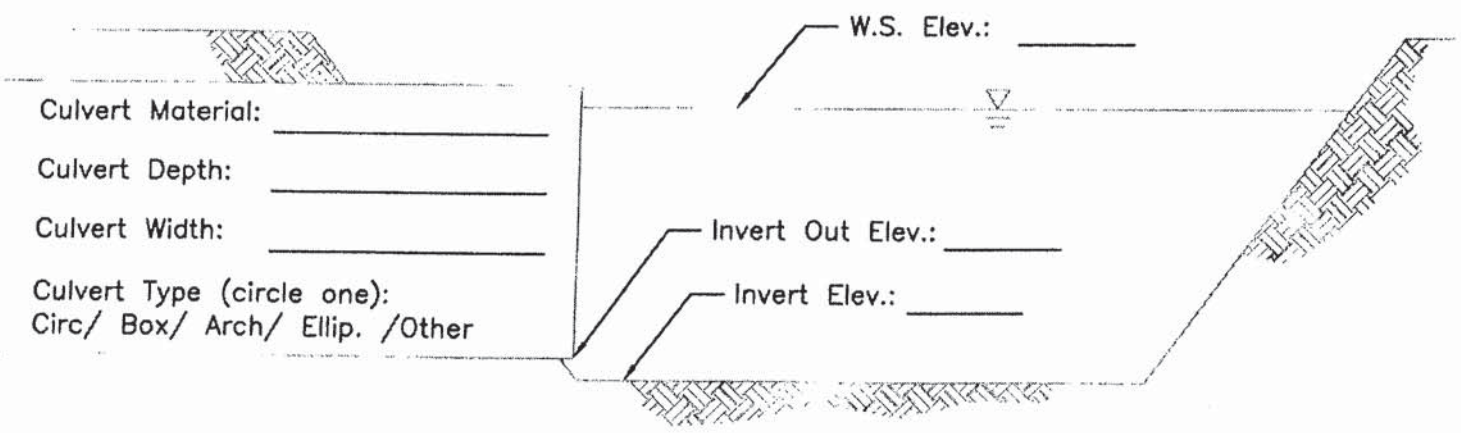
Date:
Surveyed By:

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

CURB INLET



CULVERT JUNCTION/INLET CULVERT



OUTLET CULVERT LAKE

Additional description of the point location:

Project: Bells Mill

Node/Point #: NO NODE (Located between Node 410 & 406)

Location/Nearest Intersection:

Date: 11-3-08

Surveyed By: MEEKINS

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

CURB INLET

Rim Elev.: 13.95

Flow Direction

Culvert Material: CONC PIPE

Culvert Depth: 27"

Culvert Width: 27"

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

Invert Out Elev.: 10.40

CULVERT

JUNCTION/INLET

Flow Direction

Culvert Material: CONC PIPE

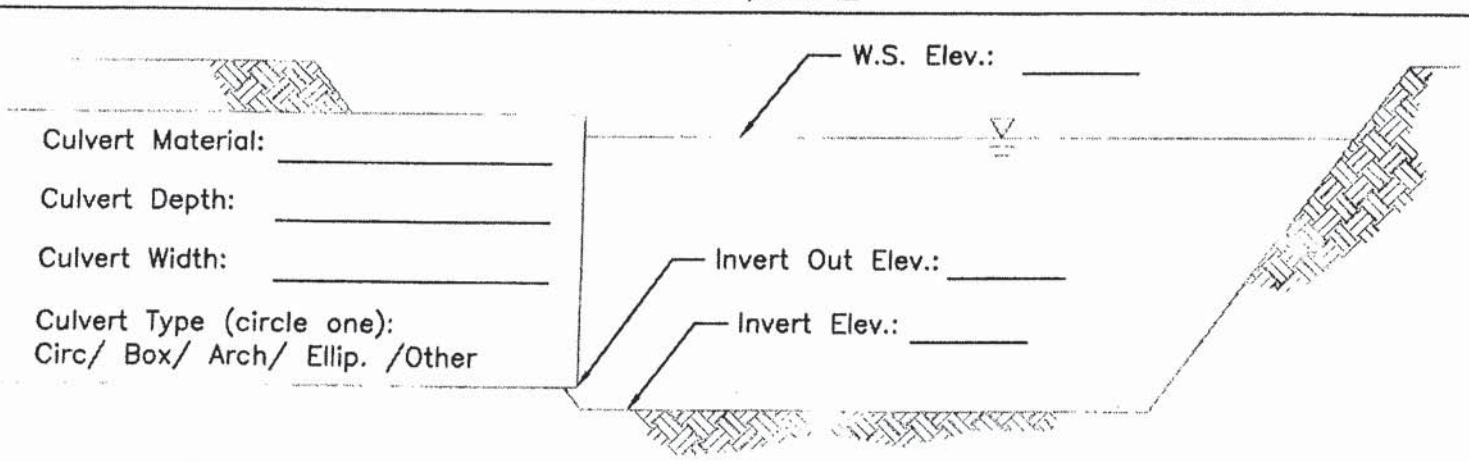
Culvert Depth: 21"

Culvert Width: 21"

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

Invert In Elev.: 10.40

CULVERT



OUTLET CULVERT

LAKE

Additional description of the point location:

LOCATED BETWEEN NODE 410/406

Project: Bells Mill

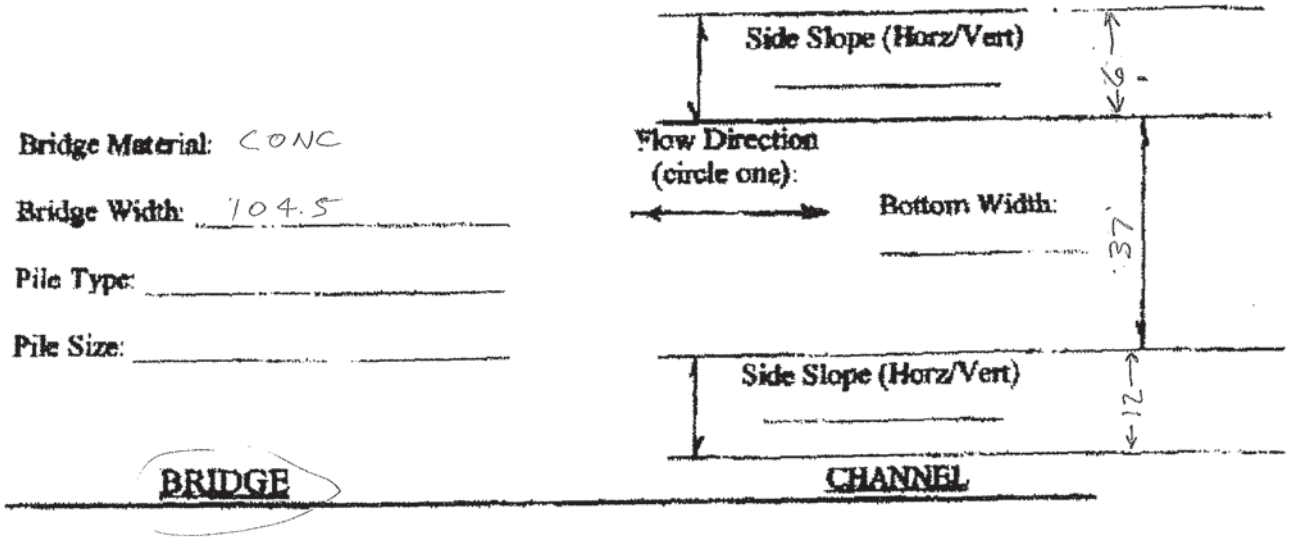
Node/Point #: 441

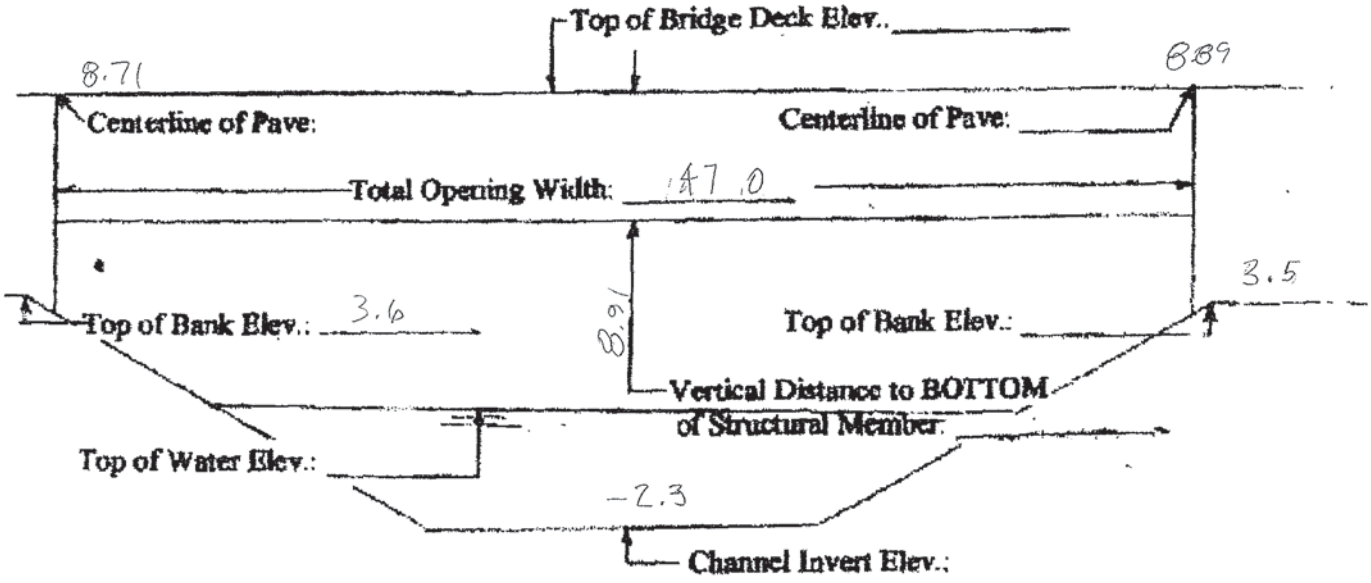
Location/Nearest Intersection: 17

Date: 10-27-08

Surveyed By: M. Meekins

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





10:30 AM

10-29-08

Project: Belk Mill

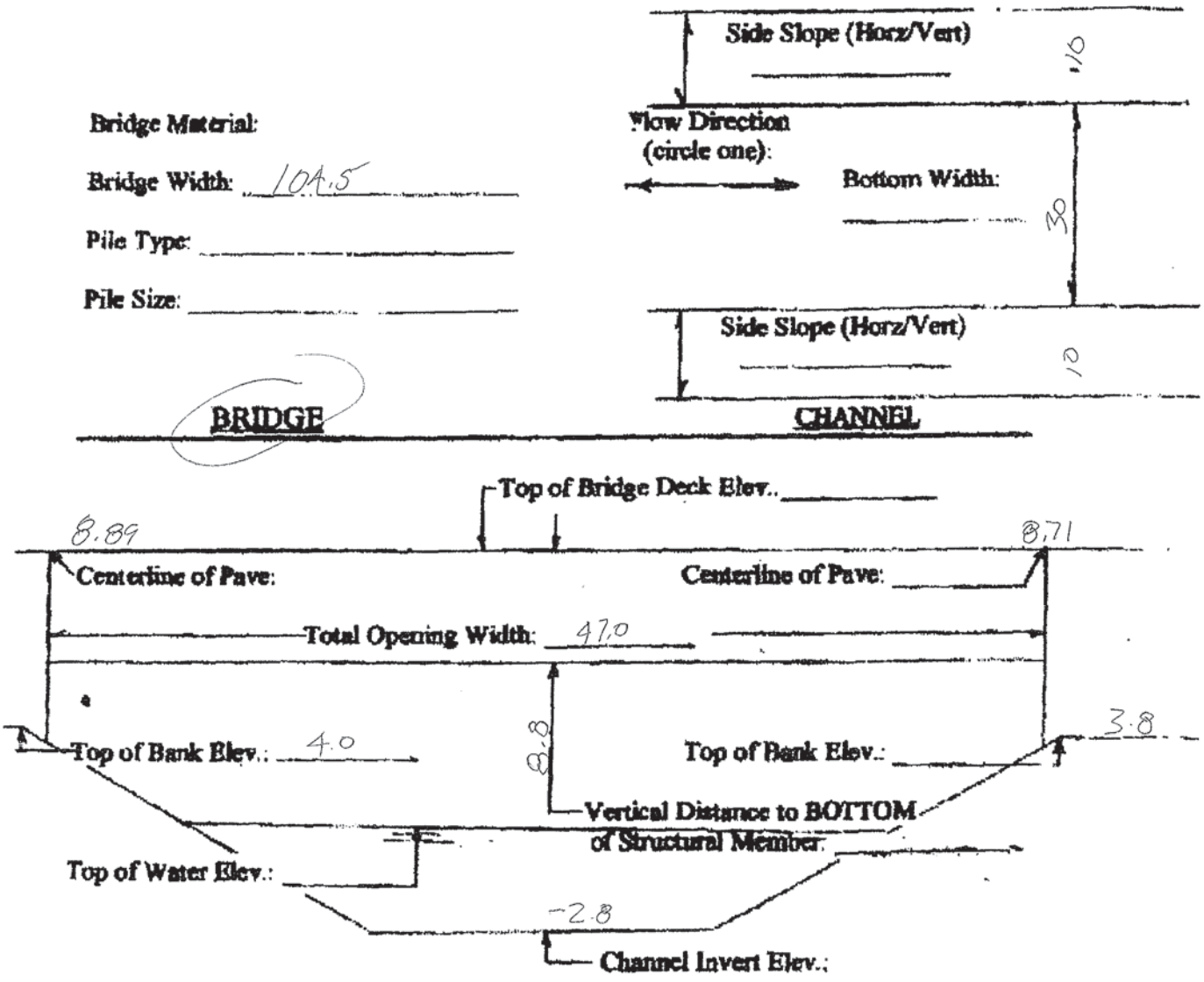
Node/Point #: 445

Location/Nearest Intersection: 17

Date: 10-29-08

Surveyed By: MEEKINS

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



Project: Bellsmill

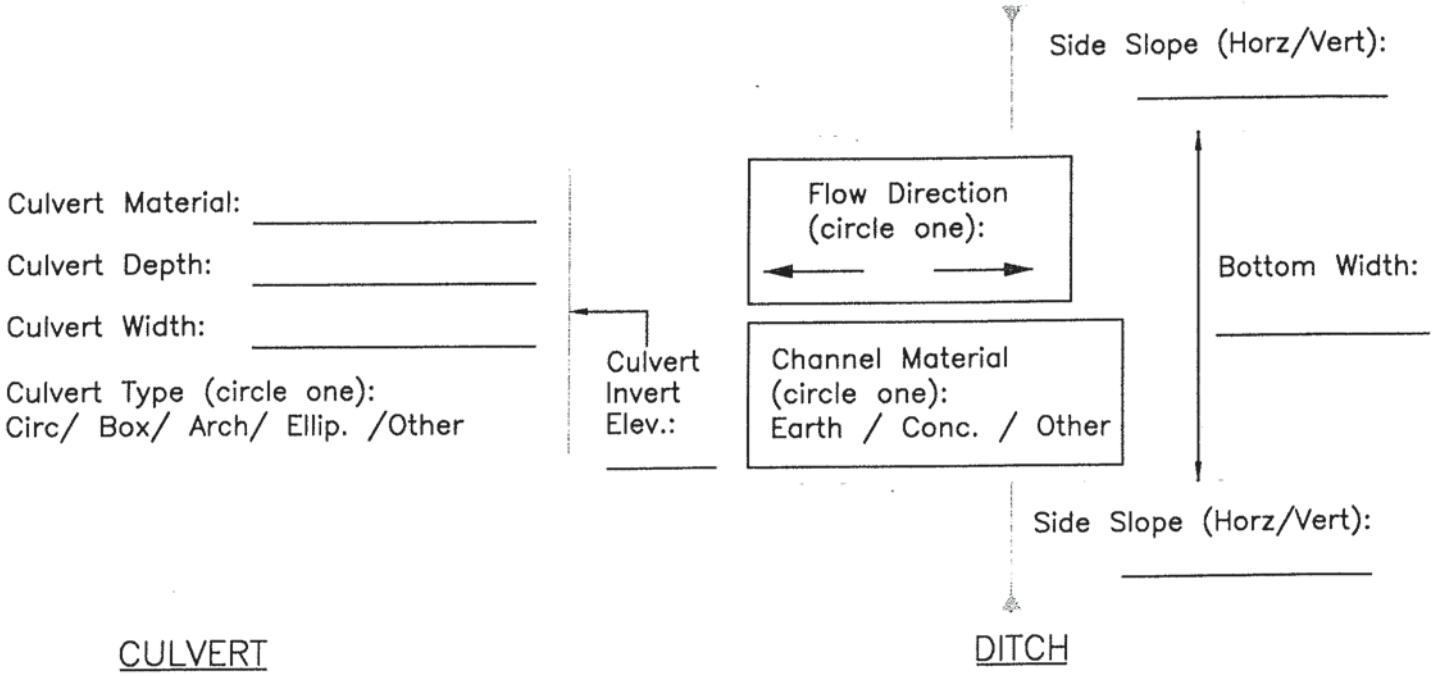
Node/Point #: 475

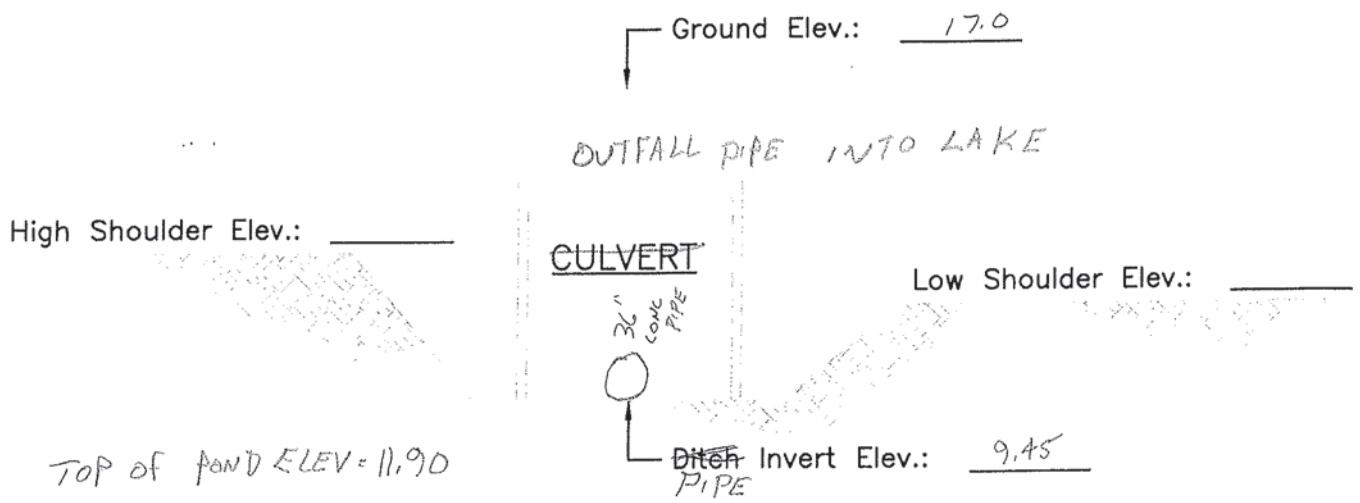
Location/Nearest Intersection: 19

Date: 10-9-08

Surveyed By: M Meekins

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





Additional description of the point location:

Project: BELLS MILL WATERSHED

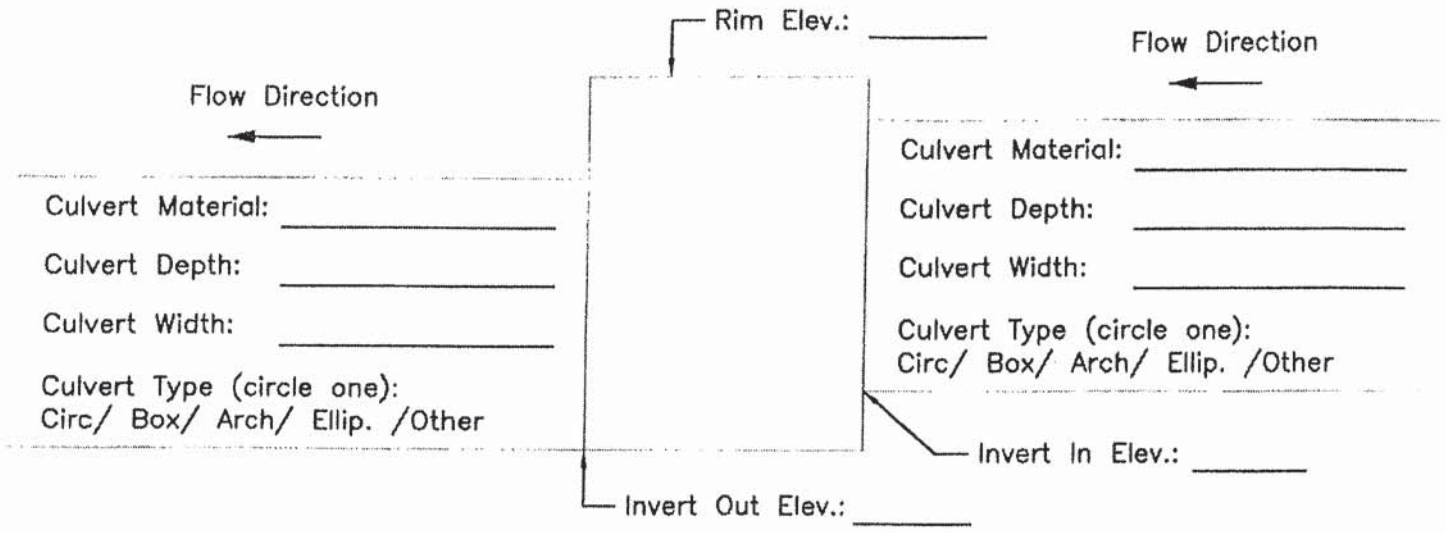
Node/Point #: 475

Location/Nearest Intersection: 19

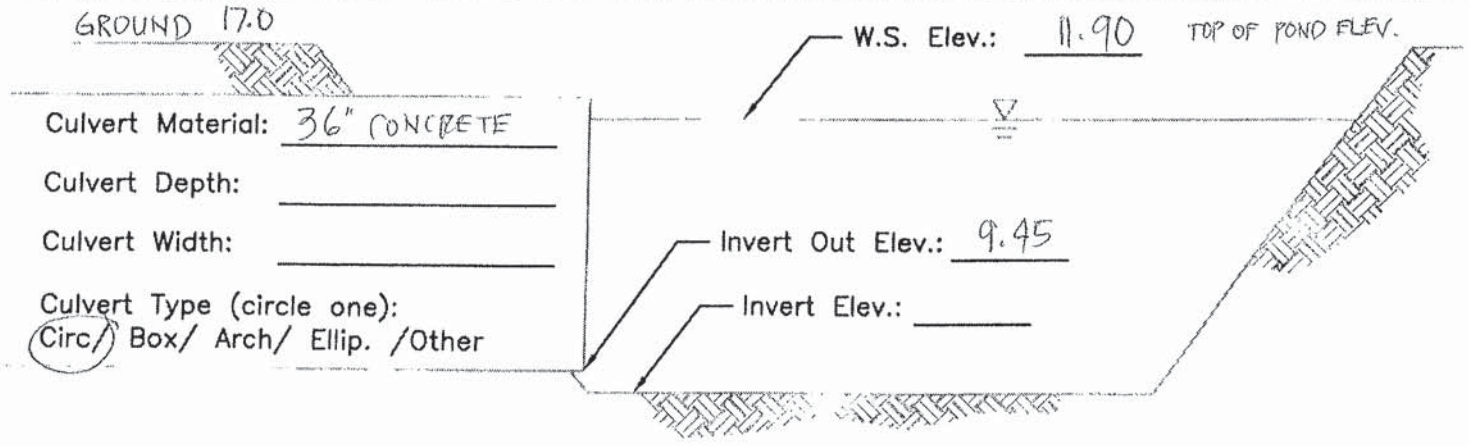
Date: 10-9-2008

Surveyed By: N. MEEKINS

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: BELLS MILL WATERSHED

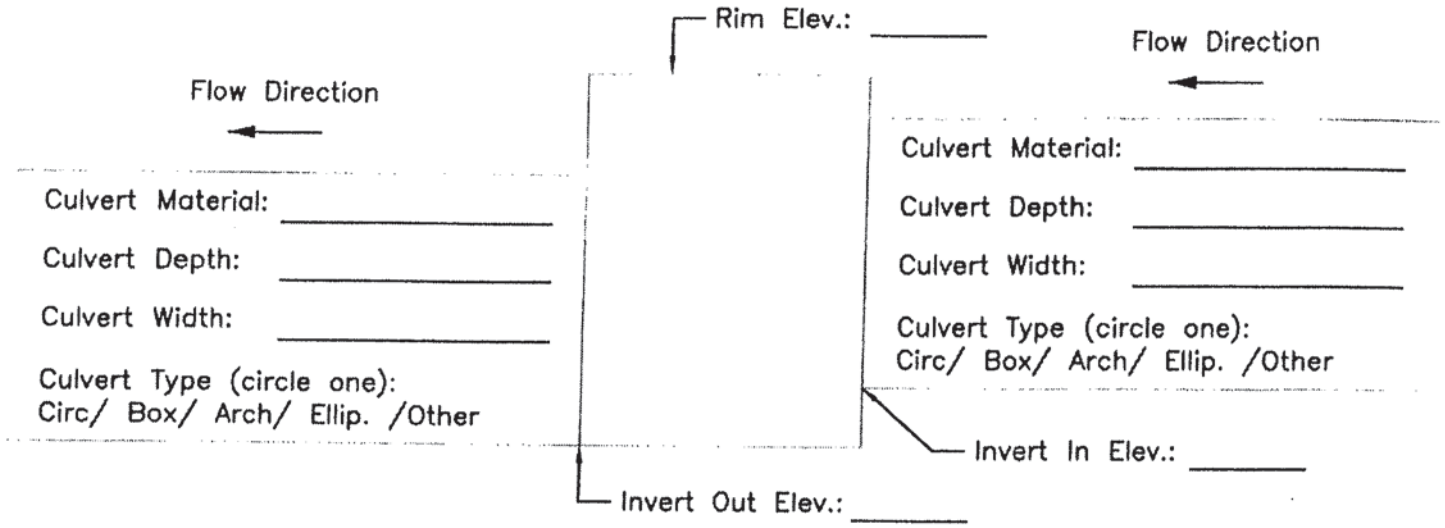
Node/Point #: 561

Location/Nearest Intersection: WATERS RD/ PARKER RD

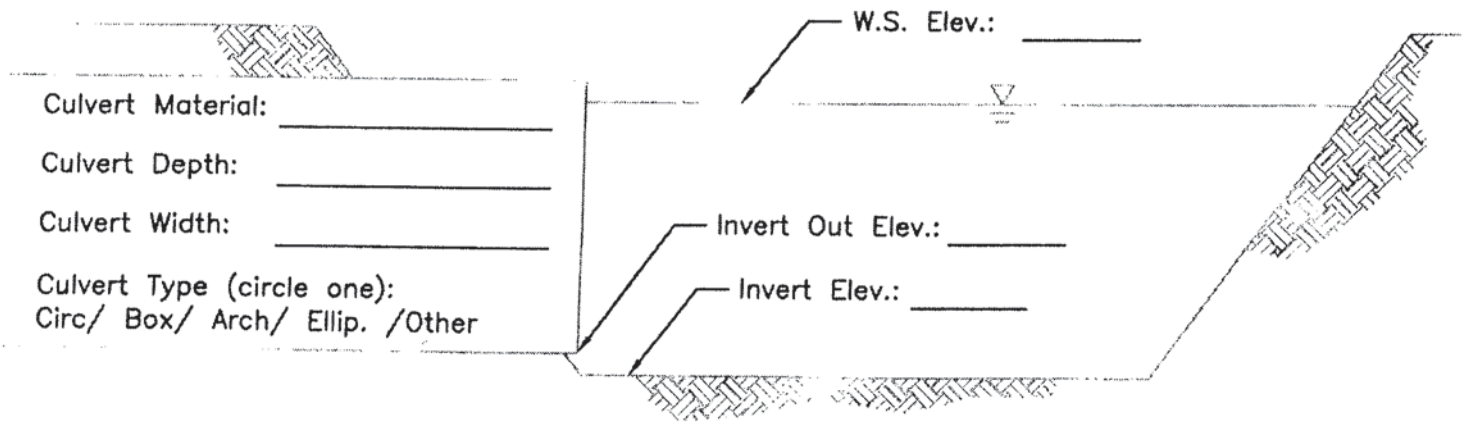
Date: _____

Surveyed By: _____

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



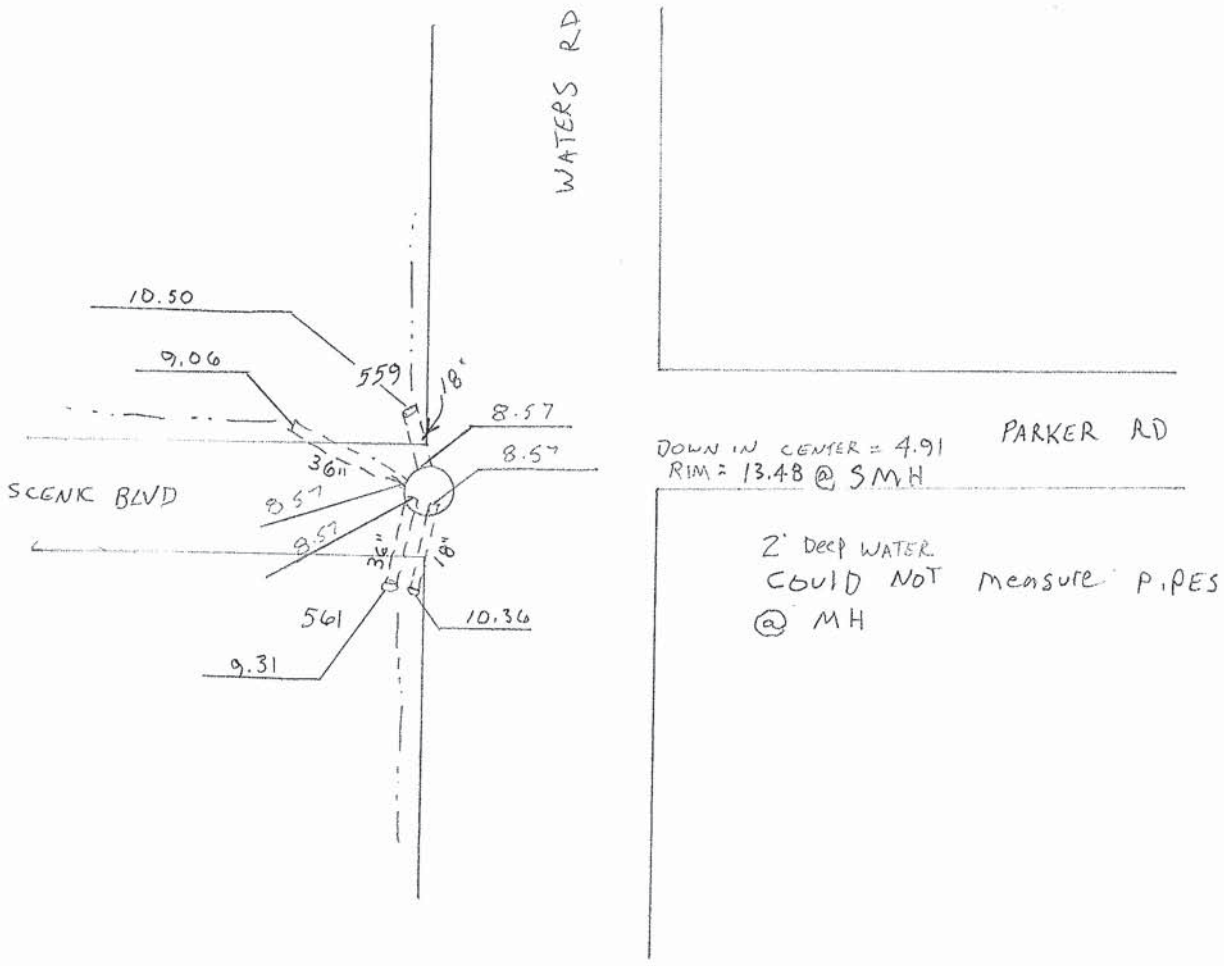
CULVERT JUNCTION/INLET CULVERT



OUTLET CULVERT LAKE

Additional description of the point location:

See Back of PAGE.


WATERS RD
PARKER RD
SCENIC BLVD
10.50
9.06
559
18"
8.57
8.57
36"
8.57
8.57
36"
18"
561
10.36
9.31
DOWN IN CENTER = 4.91
RIM = 13.48 @ SMH
2' DEEP WATER
COULD NOT measure PIPES
@ MH

Project: Bells Mill

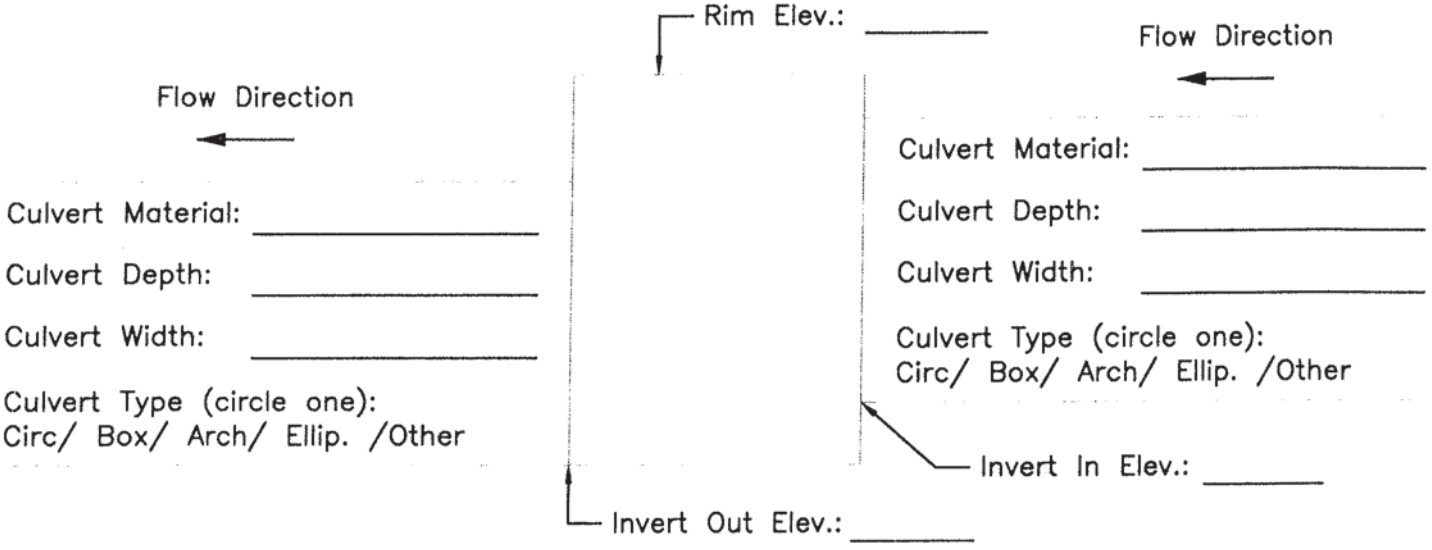
Node/Point #: 533 / 537

Location/Nearest Intersection: 37

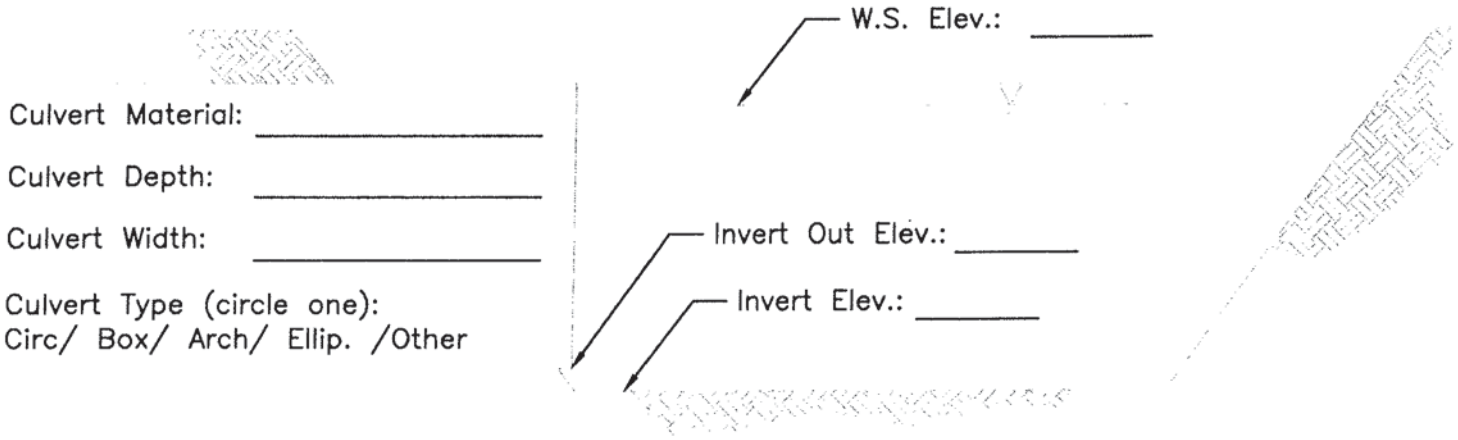
Date: 10-8-08

Surveyed By: M Meckins

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



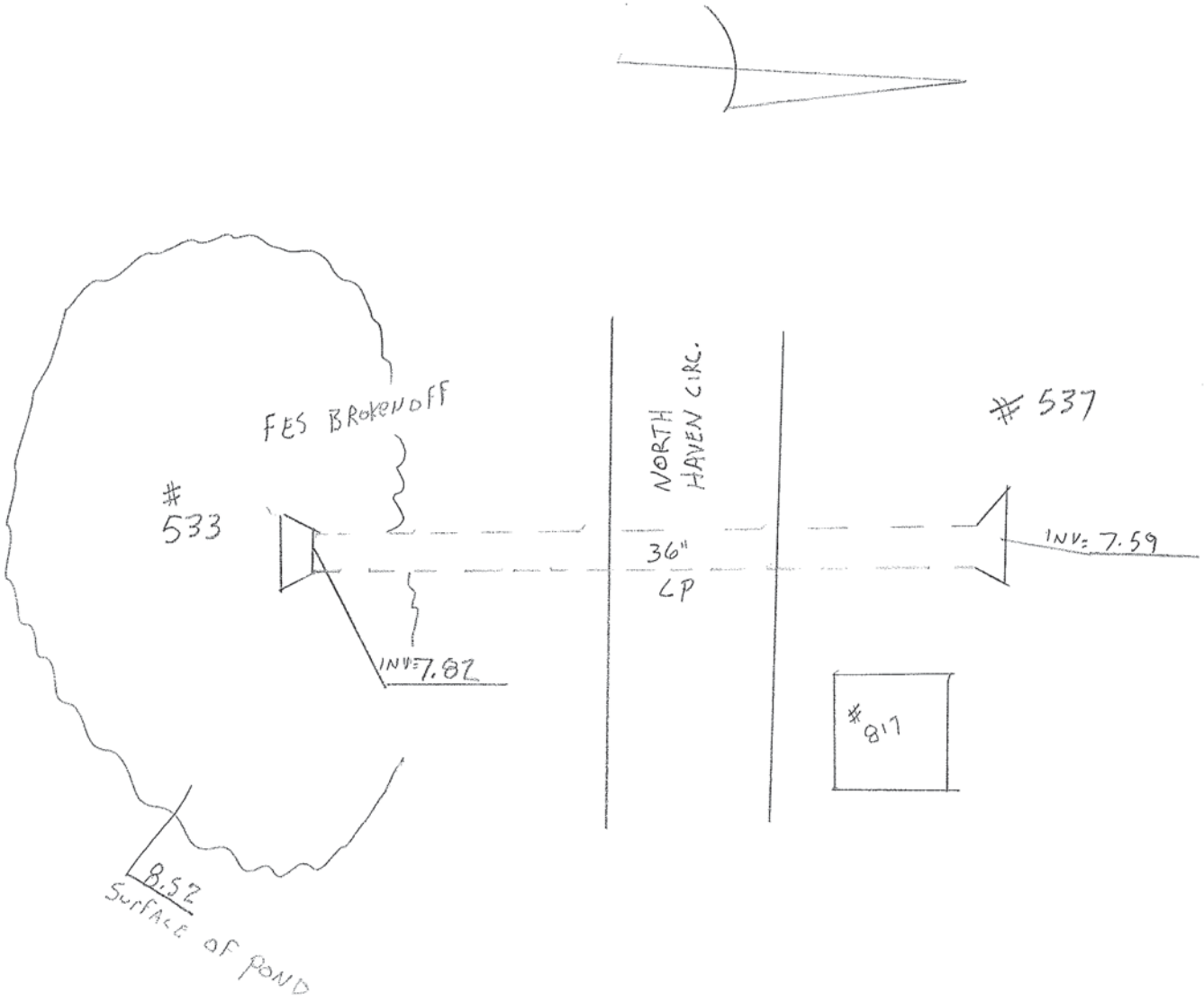
CULVERT JUNCTION/INLET CULVERT



OUTLET CULVERT LAKE

Additional description of the point location:

ALL INFO. ON BACK of SHEET 533/537


FES BROKEN OFF
533
NORTH HAVEN CIR.
537
36" CP
INV= 7.59
INV= 7.82
# 817
8.52
SURFACE OF POND

Project: _____

Node/Point #: 547/545

Location/Nearest Intersection: _____

Date: _____

Surveyed By: _____

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

Flow Direction ←

Culvert Material: _____

Culvert Depth: _____

Culvert Width: _____

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

CULVERT

Rim Elev.: _____

Invert Out Elev.: _____

JUNCTION/INLET

Flow Direction ←

Culvert Material: _____

Culvert Depth: _____

Culvert Width: _____

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

Invert In Elev.: _____

CULVERT

Culvert Material: _____

Culvert Depth: _____

Culvert Width: _____

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

OUTLET CULVERT

W.S. Elev.: _____

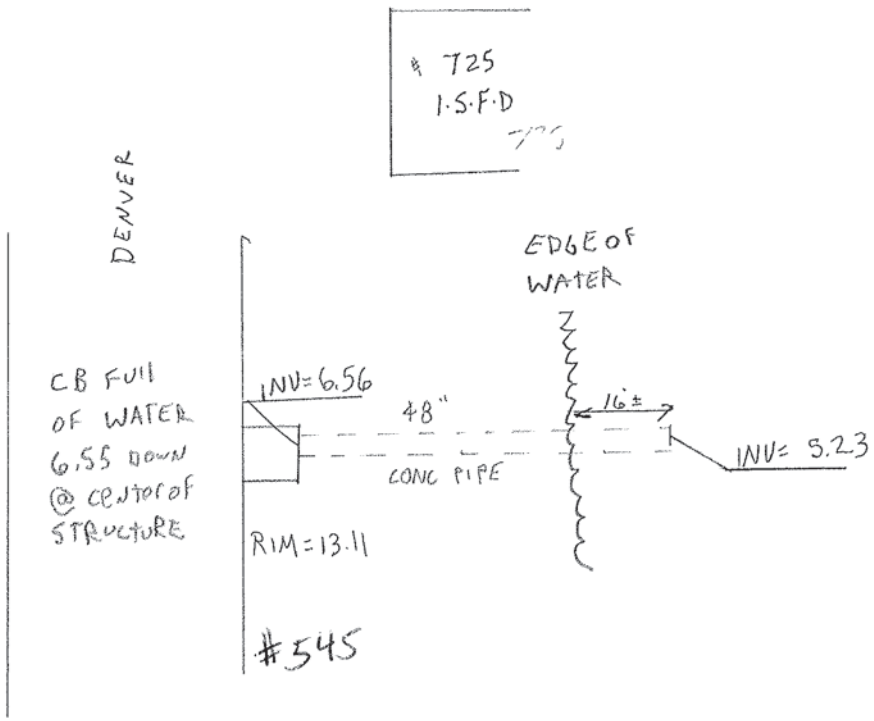
Invert Out Elev.: _____

Invert Elev.: _____

LAKE

Additional description of the point location:

See BACK of location sheet for info on 547/545


T25
I.S.F.D
DENVER
EDGE OF
WATER
CB FULL
OF WATER
6.55 DOWN
@ CENTER OF
STRUCTURE
INV=6.56
48"
CONC PIPE
16'±
INV= 5.23
RIM=13.11
#545

Project: Bellsmill

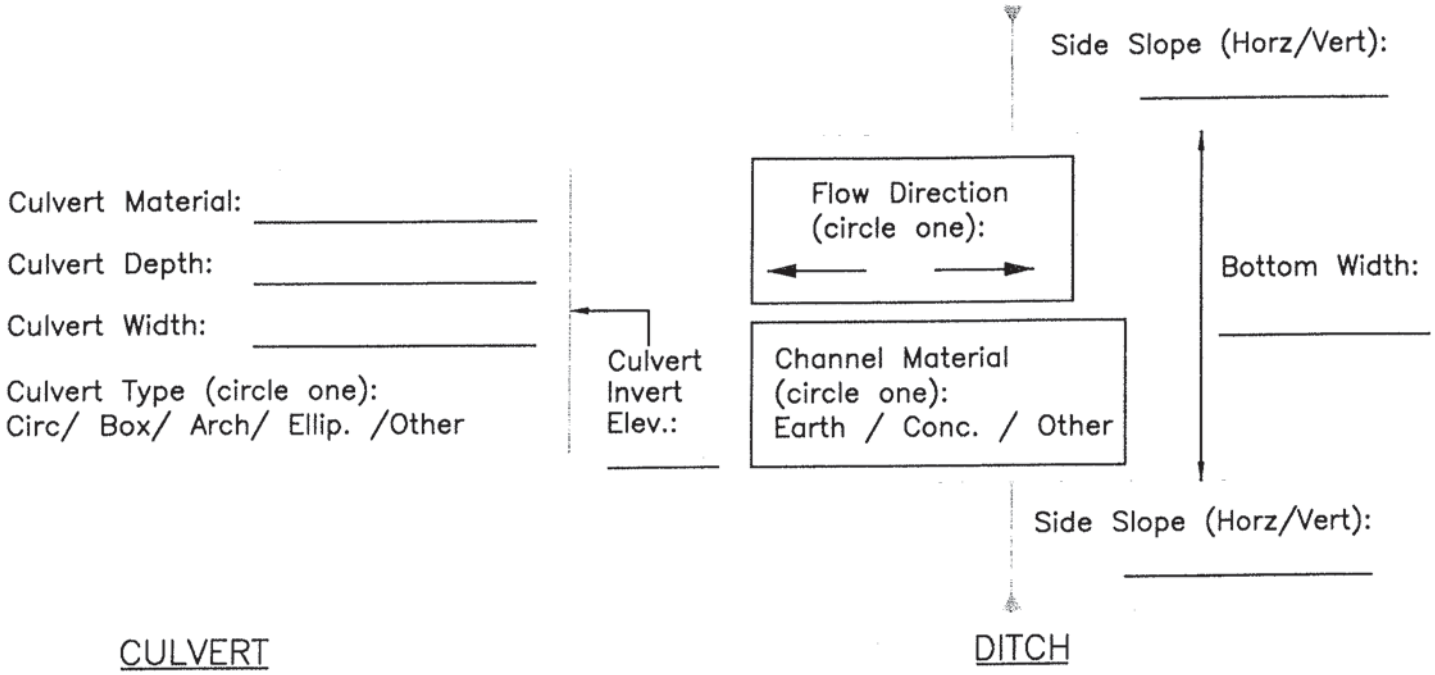
Node/Point #: 587/585

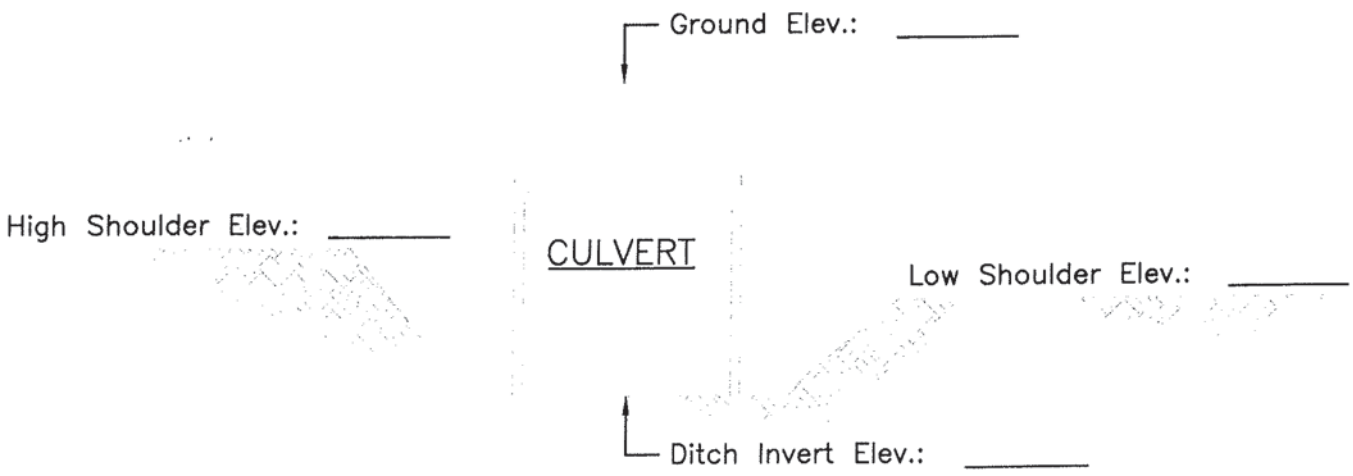
Location/Nearest Intersection: Parker RD (No picture) 38

Date: 10-8-08

Surveyed By: M Mackie

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





Additional description of the point location:

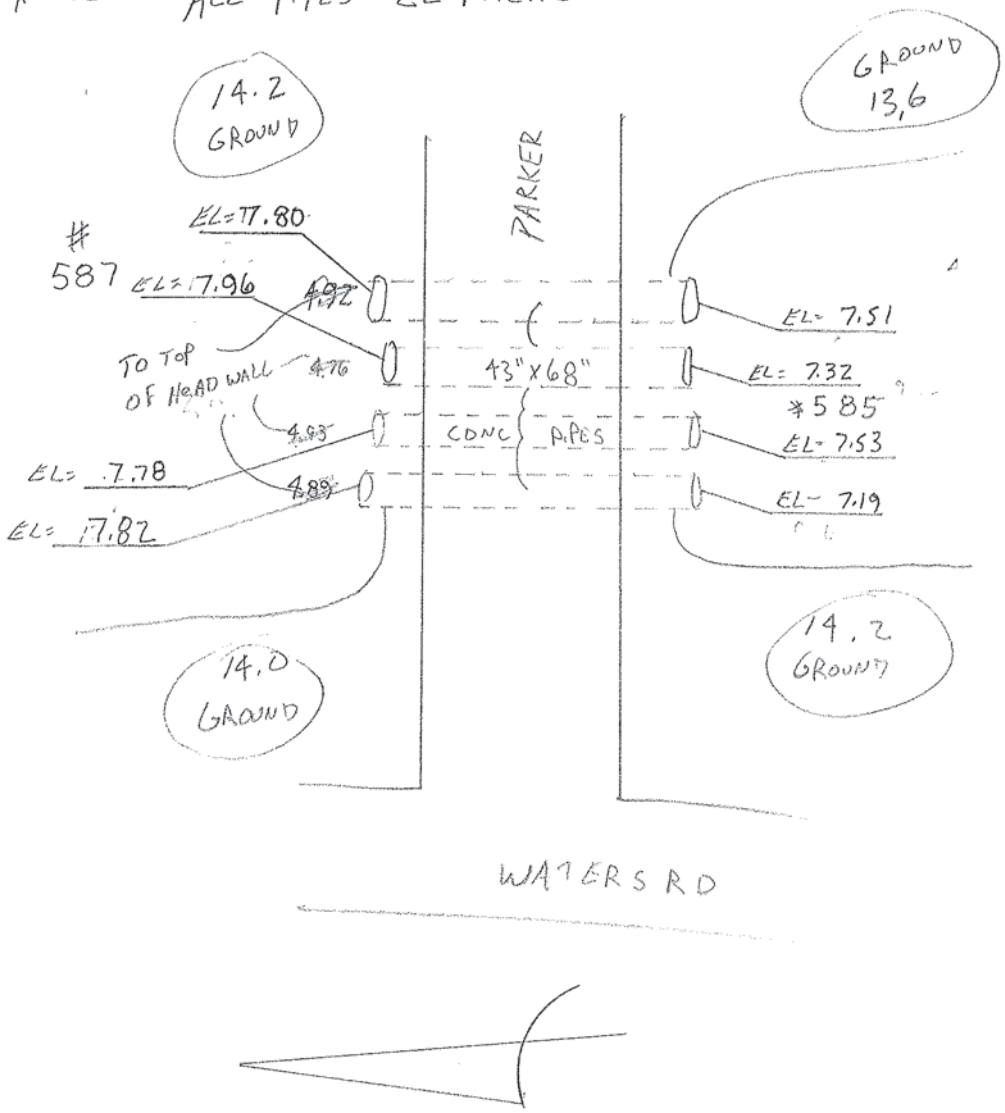
ALL INFO ON BACK OF PAGE 587/585

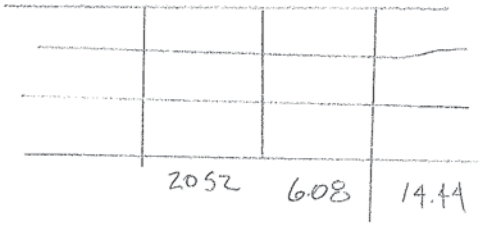
4X PIPES

#38

3'7" x 5'7"
43" x 68"

ALL PIPES ELIPTICAL





Project: Bells Mill

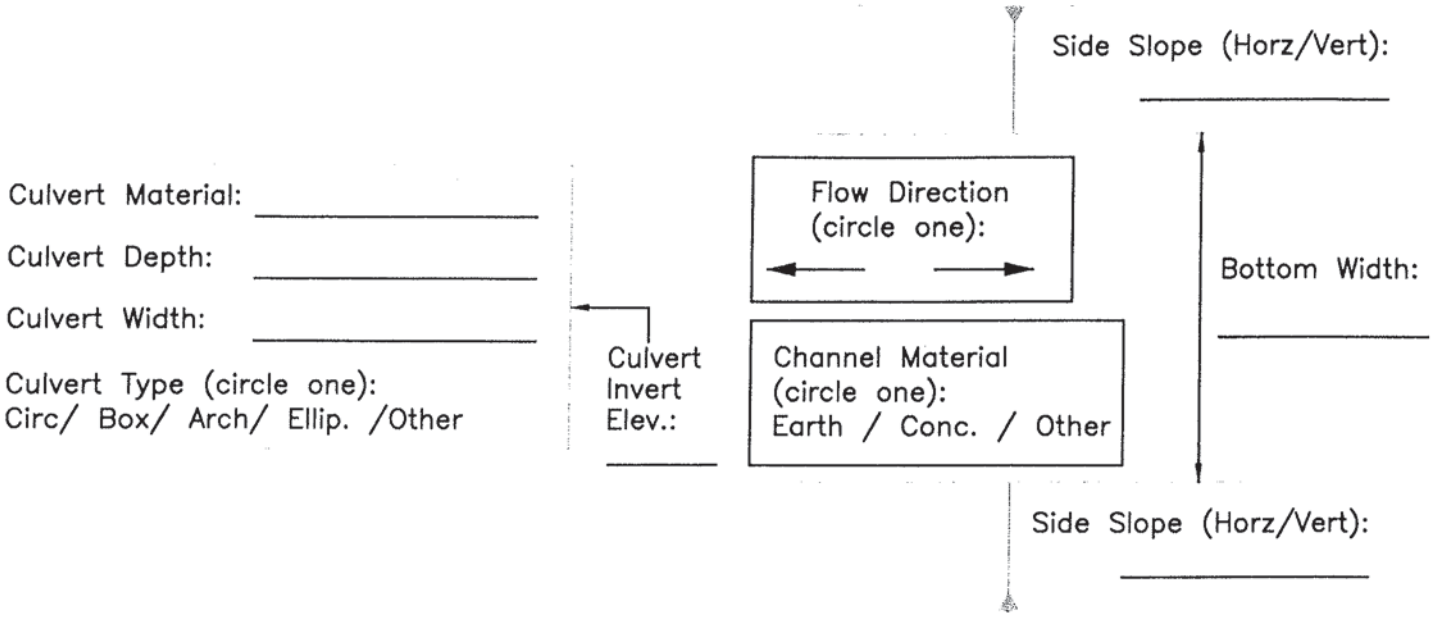
Node/Point #: 645

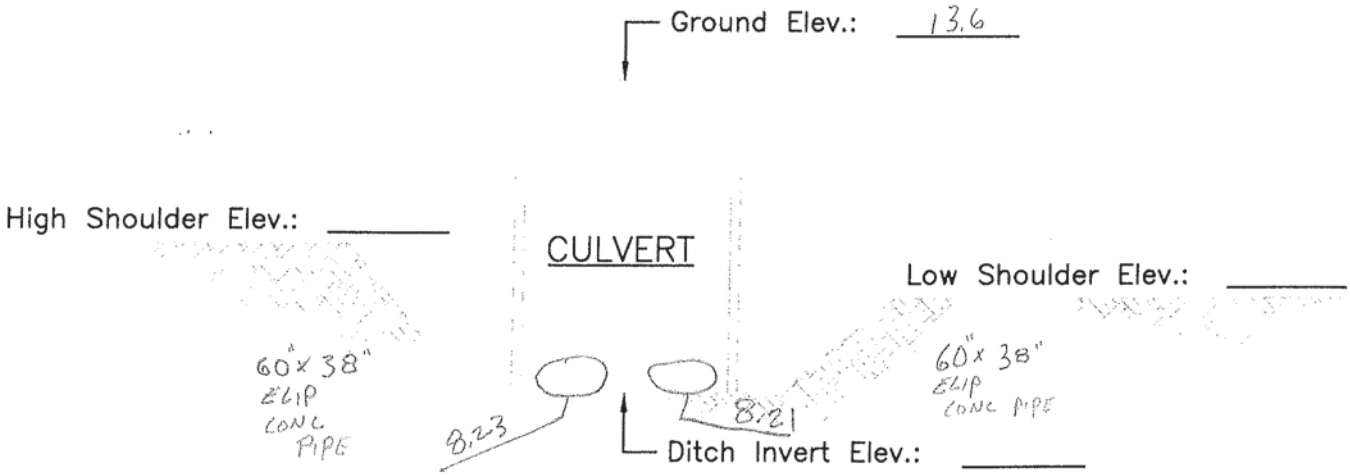
Location/Nearest Intersection: 20

Date: 10-14-08

Surveyed By: MM

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





Additional description of the point location: 3.67

3.65

Project: Bells mill

Node/Point #: 647

Location/Nearest Intersection: 20

Date: 10-14-08

Surveyed By: mm

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.: _____

Flow Direction (circle one): ← →

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

Bottom Width: _____

Side Slope (Horz/Vert): _____

CULVERT DITCH

Ground Elev.: 13.9

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____

60"x38" ELIP CONC PIPE

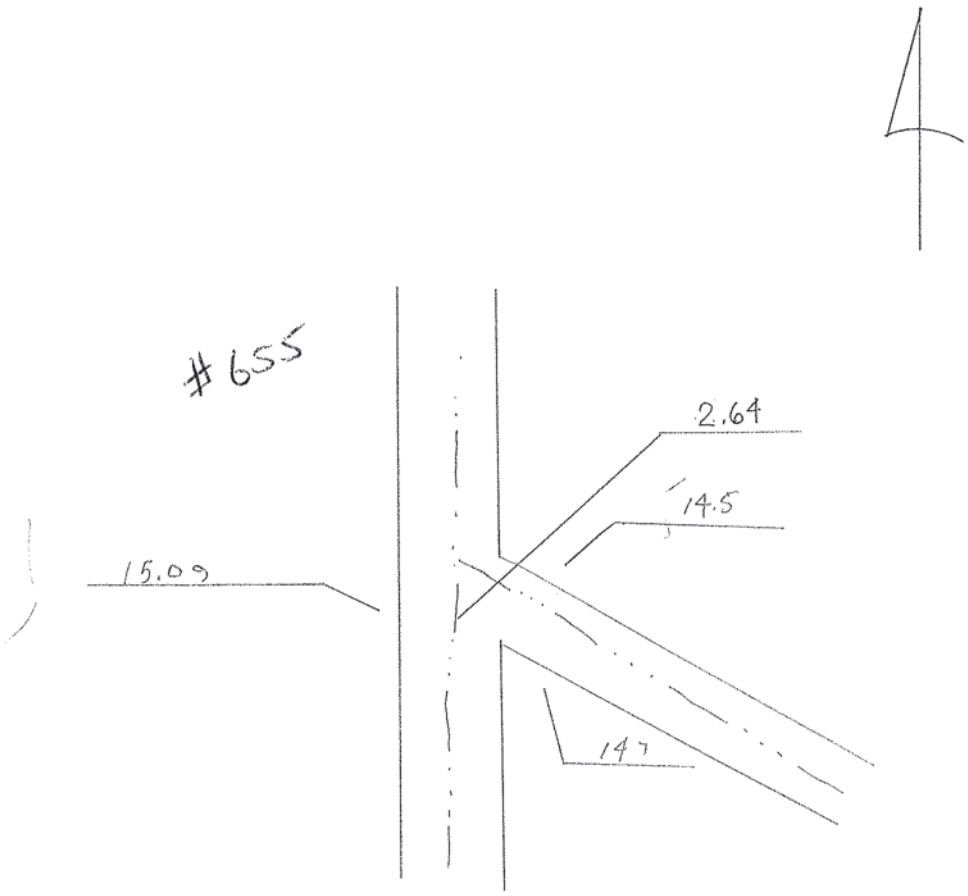
8.15

8.11

60"x38" ELIP CONC PIPE

Ditch Invert Elev.: _____

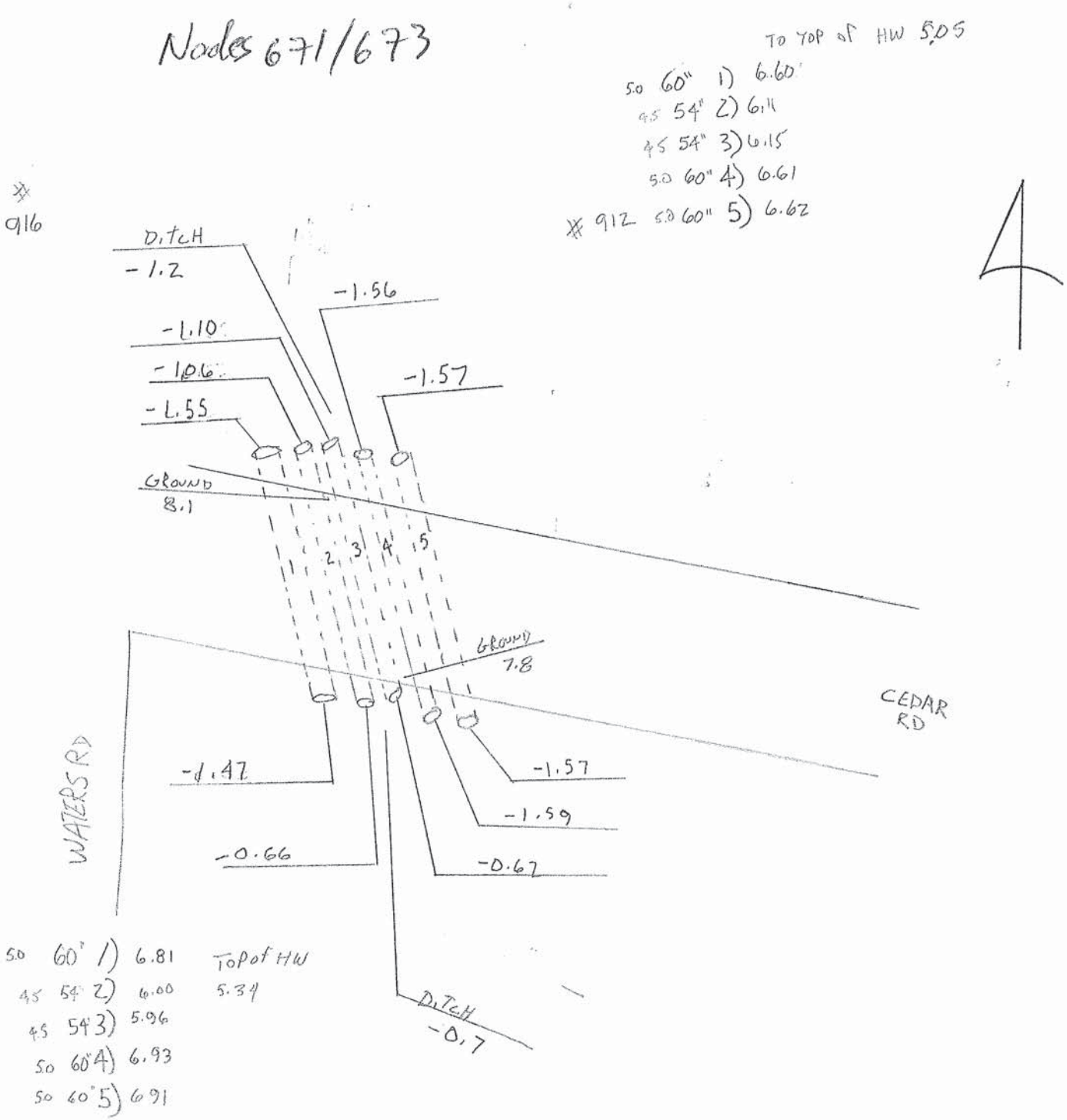
Additional description of the point location:



	19.44	3.76	15.68
2.00	17.68	4.55	13.13
4.30	17.43	4.66	12.77
5.65	18.42	7.92	10.50

SMH

DI #79


Nodes 671/673
TO TOP of HW 5.05
5.0 60" 1) 6.60
4.5 54" 2) 6.11
4.5 54" 3) 6.15
5.0 60" 4) 6.61
912 5.0 60" 5) 6.62
916
DITCH
-1.2
-1.56
-1.10
-1.06
-1.57
-1.55
GROUND
8.1
2
3
4
5
GROUND
7.8
CEDAR RD
WATERS RD
-1.47
-1.57
-1.59
-0.66
-0.67
5.0 60" 1) 6.81
4.5 54" 2) 6.00
4.5 54" 3) 5.96
5.0 60" 4) 6.93
5.0 60" 5) 6.91
TOP of HW
5.34
DITCH
-0.7

HI
1334

Project: Bells Mill

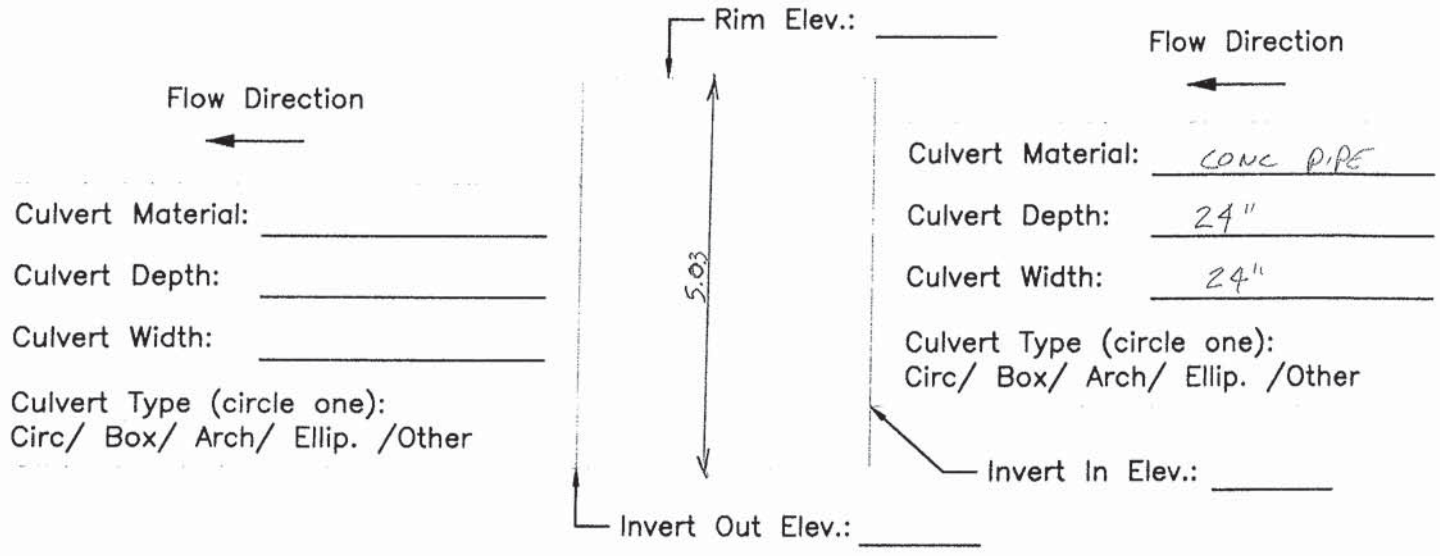
Node/Point #: 693/695

Location/Nearest Intersection: 23

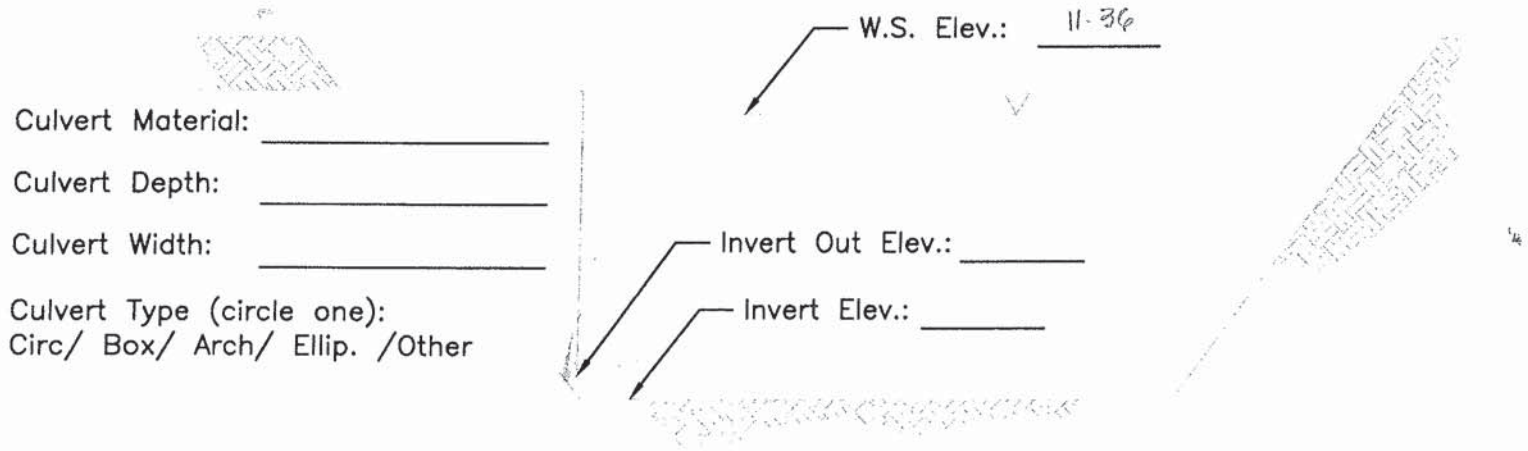
Date: 10-7-08

Surveyed By: M. Mackins

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



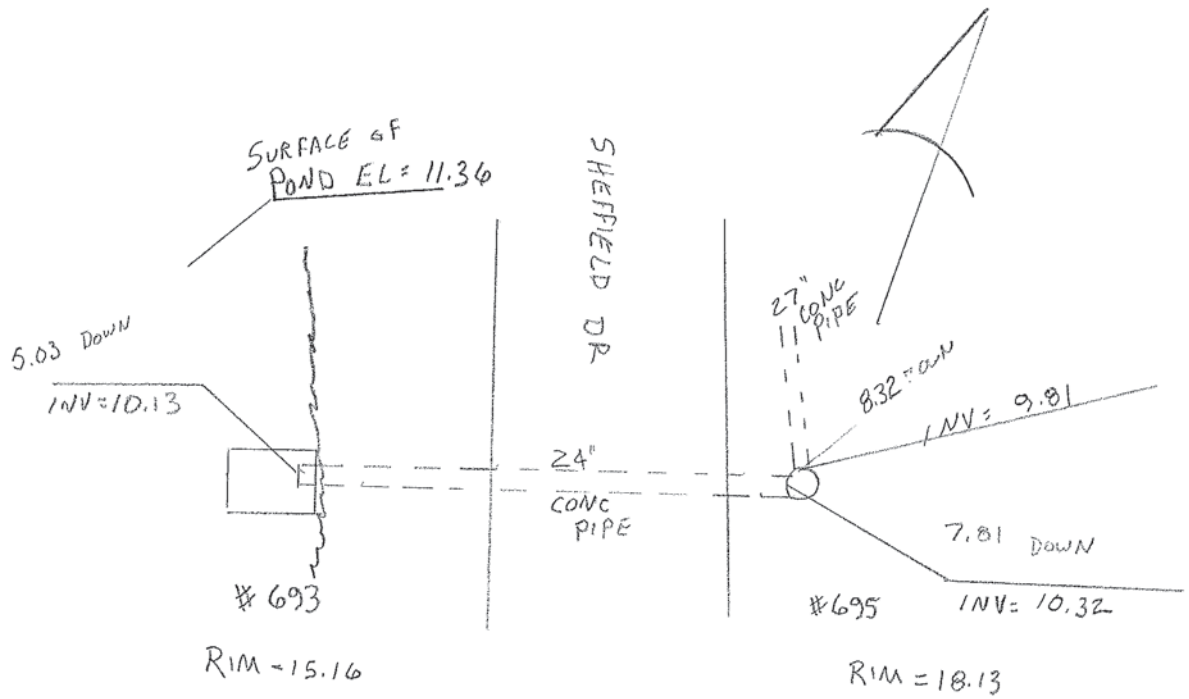
CULVERT JUNCTION/INLET CULVERT



OUTLET CULVERT LAKE

Additional description of the point location:

See BACK PAGE FOR 693/695


SURFACE OF POND EL = 11.36
SHEFFIELD DR
5.03 DOWN
INV = 10.13
24" CONC PIPE
27" CONC PIPE
8.32 DOWN
INV = 9.81
7.81 DOWN
INV = 10.32
#693
#695
RIM = 15.16
RIM = 18.13

Project: Bells Mill

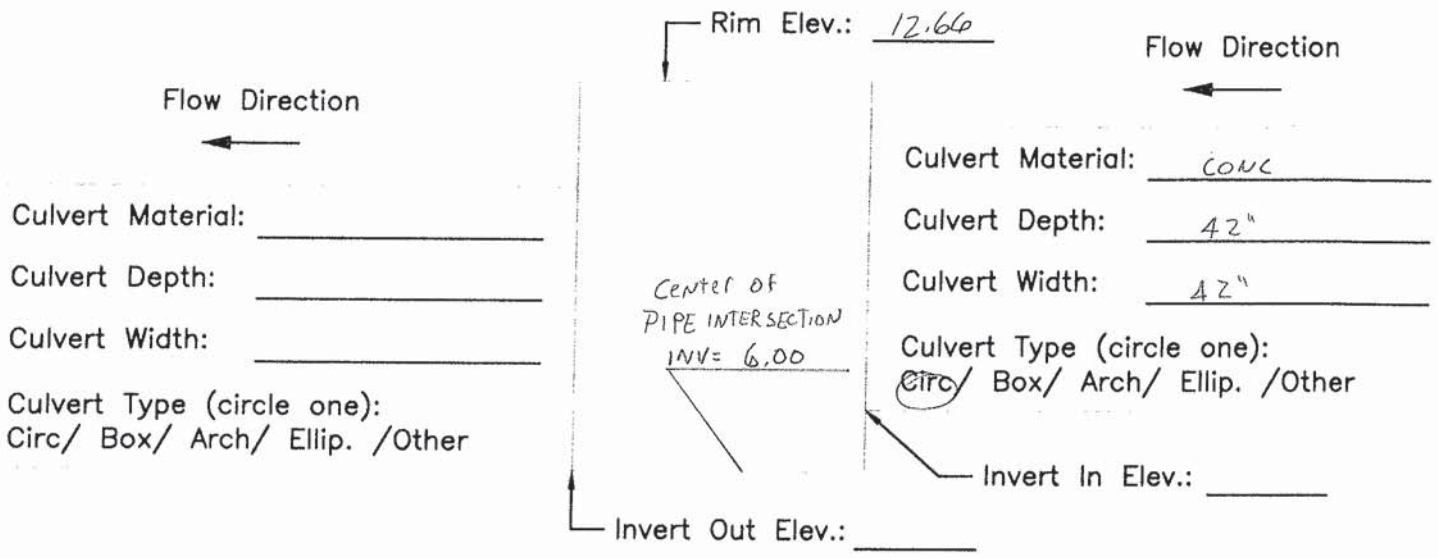
Node/Point #: 707

Location/Nearest Intersection: 124

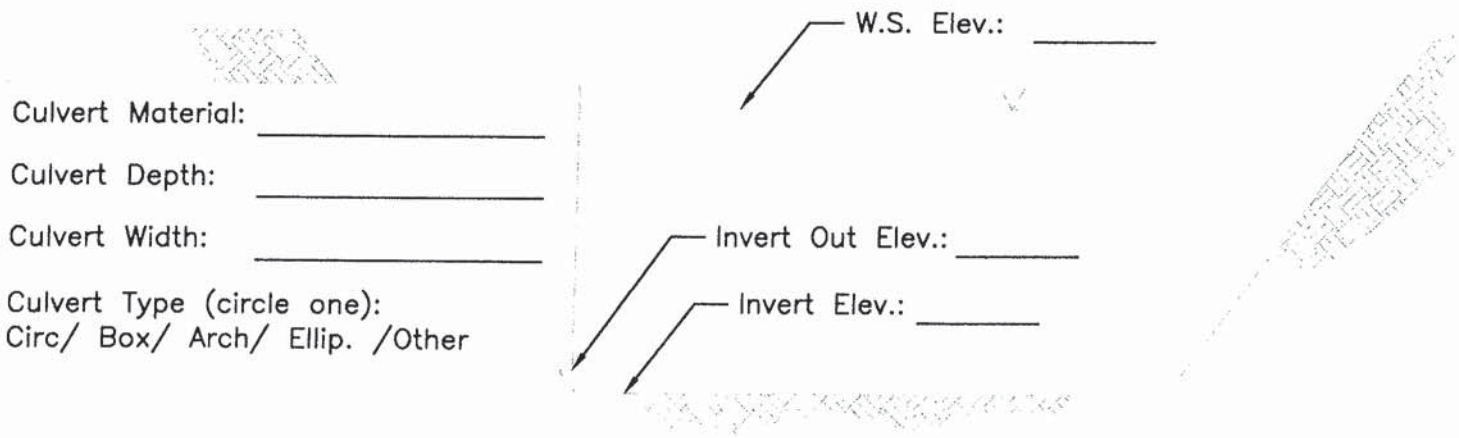
Date: 10-7-08

Surveyed By: M Meeking

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: Bells mill

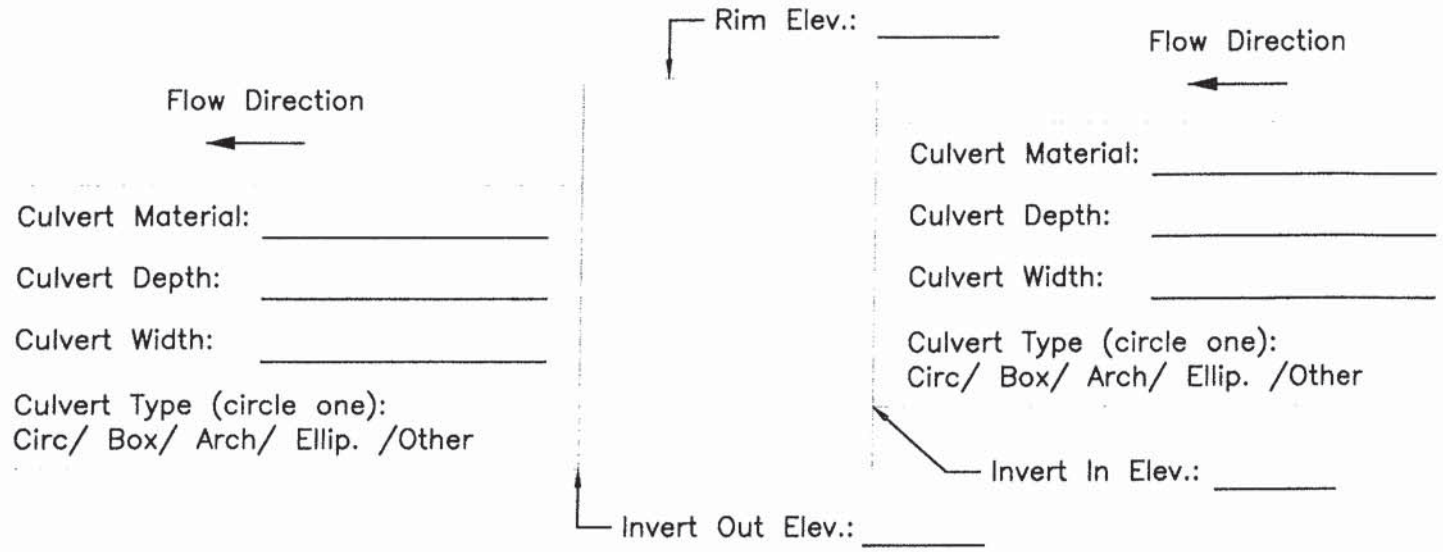
Node/Point #: 749/711

Location/Nearest Intersection: 25

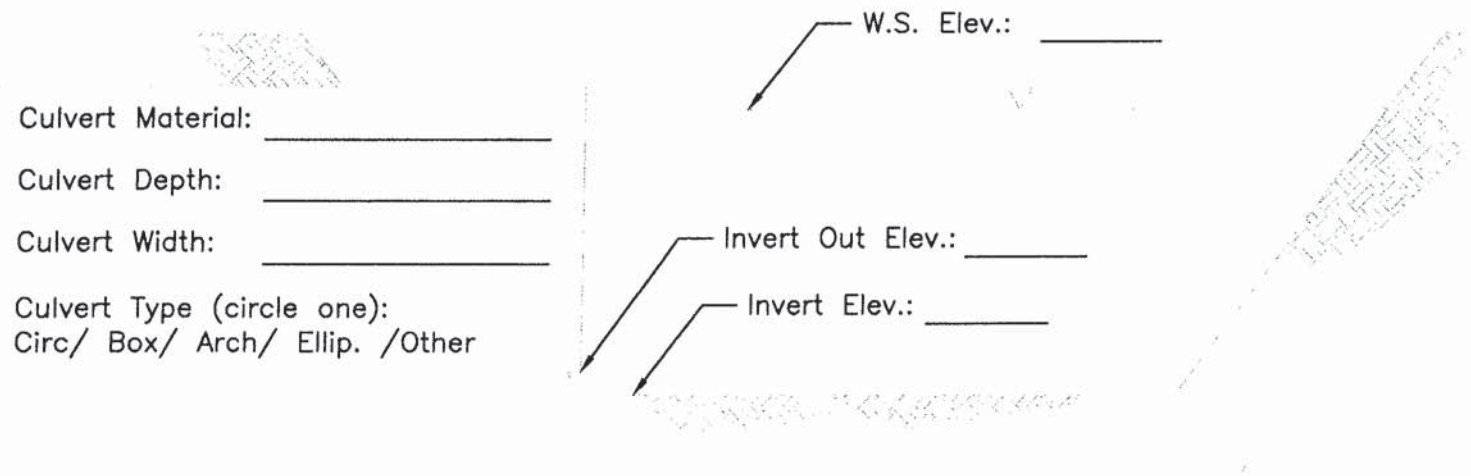
Date: 10-7-08

Surveyed By: M Meekins

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



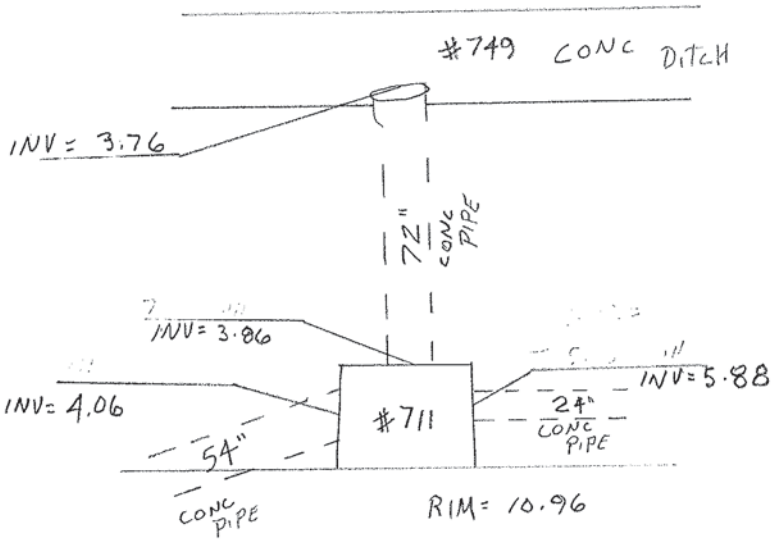
CULVERT JUNCTION/INLET CULVERT



OUTLET CULVERT LAKE

Additional description of the point location:

See RACK PAGE For 749/711



FOXGATE QTR

1
4.5
1.7
.7
6.9

Project: Bells mill

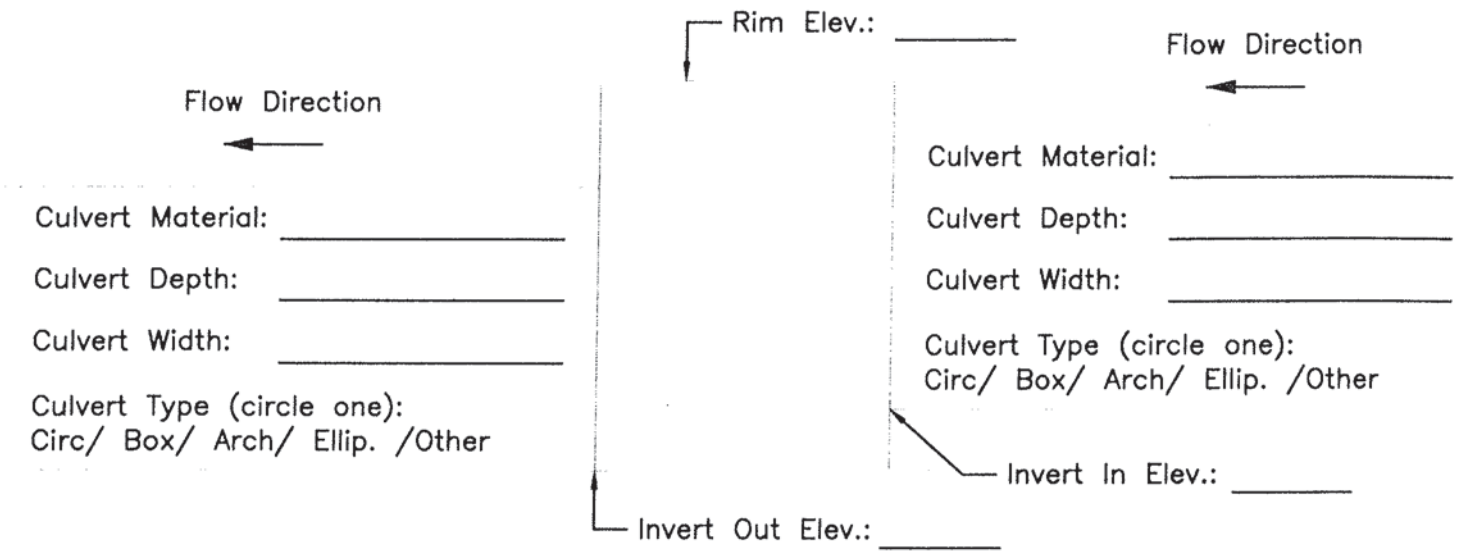
Node/Point #: 769 / 765

Location/Nearest Intersection: 27

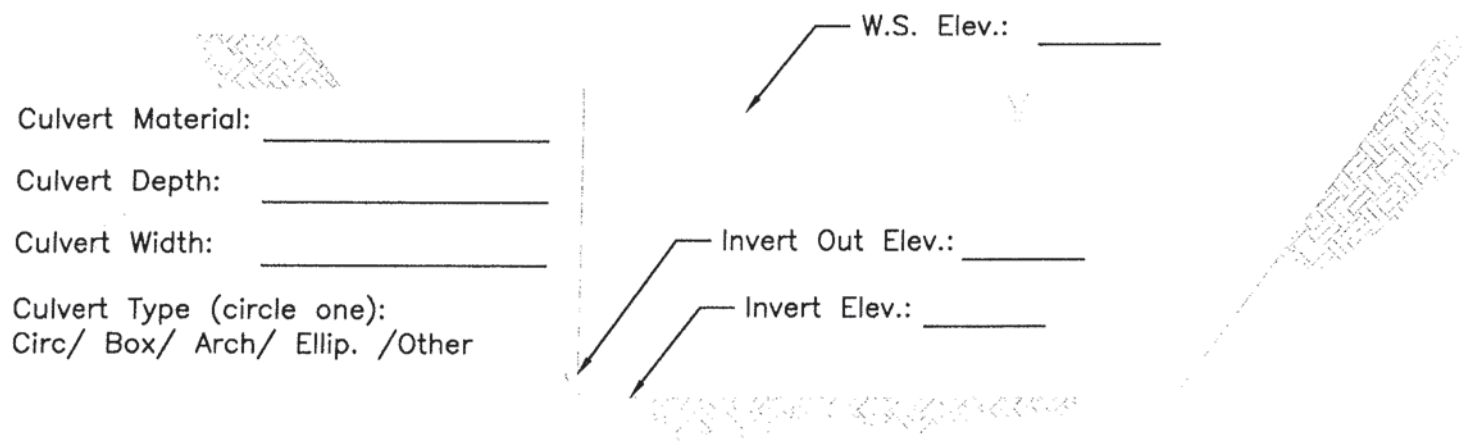
Date: 10-7-08

Surveyed By: Mike Meekins

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



CULVERT JUNCTION/INLET CULVERT



OUTLET CULVERT LAKE

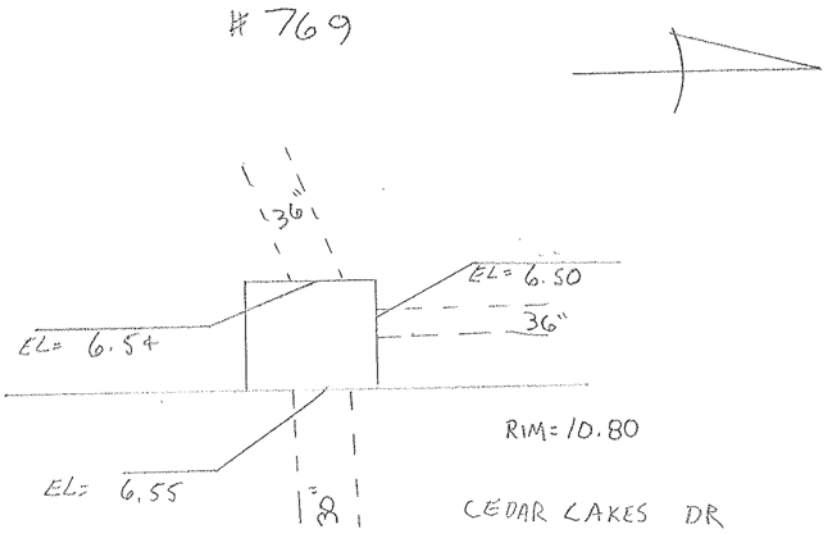
Additional description of the point location:

POND surface EL = 8.88

765 = 18" CONC PIPE EL = 8.81

See BACK For #769

Disk 172
13.2+



Project: Bells mill

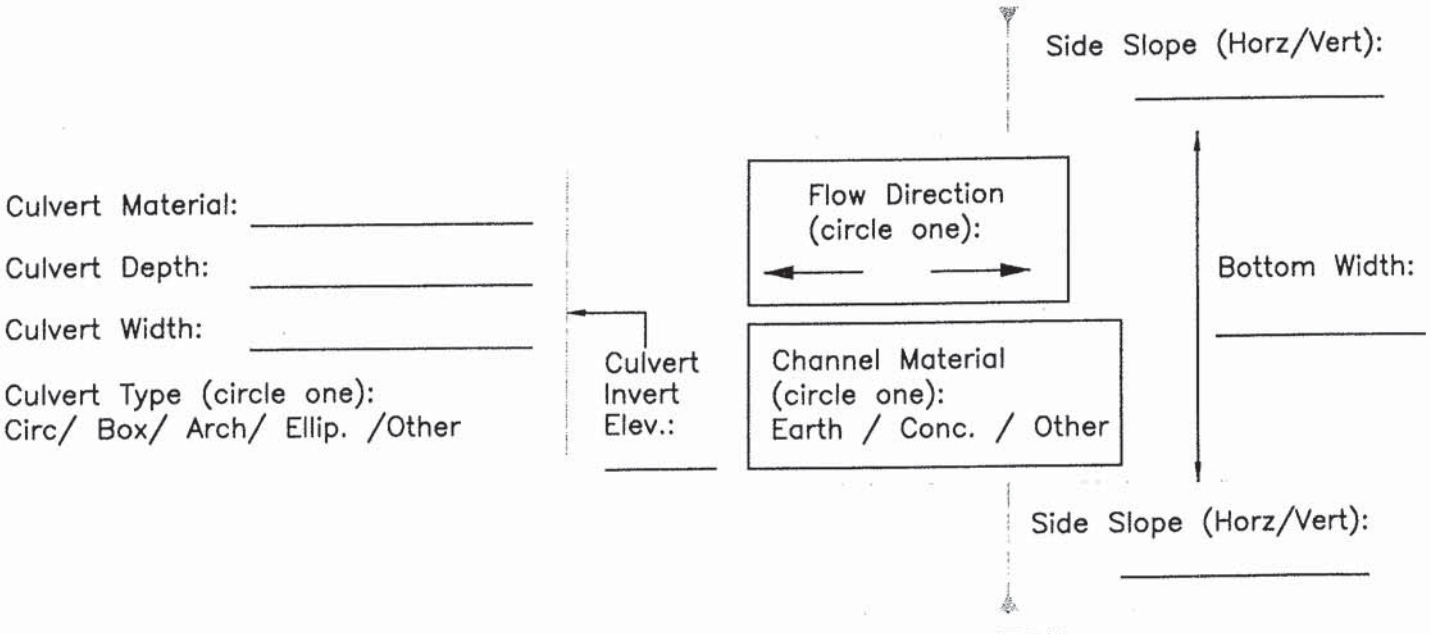
Node/Point #: 781 / 779

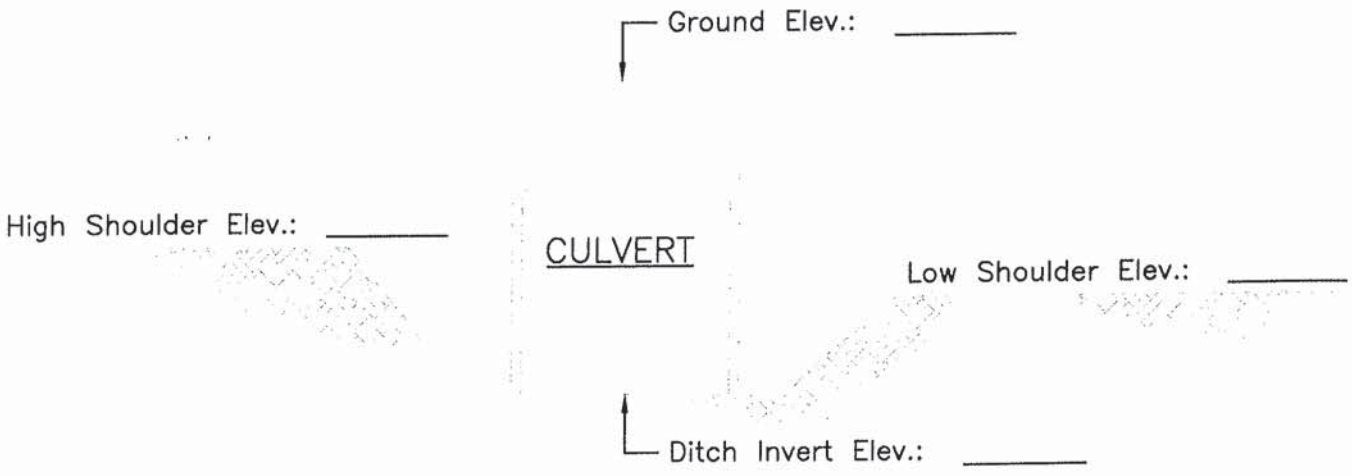
Location/Nearest Intersection: 26

Date: 10-7-08

Surveyed By: M Meckins

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





Additional description of the point location:

781 = 24" CONC. PIPE IN CONC. DITCH INV = 5.34

779 24" CONC PIPE INV = 5.90

POND surface EL = 6.0

Project: Bells Mill

Node/Point #: 805

Location/Nearest Intersection: 28

Date: 10-9-08

Surveyed By: M. Meekins

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.: _____

Flow Direction (circle one): ← →

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

Bottom Width: _____

Side Slope (Horz/Vert): _____

CULVERT

DITCH

Ground Elev.: 8.72

High Shoulder Elev.: _____

Low Shoulder Elev.: _____

Ditch Invert Elev.: 0.84

Additional description of the point location:

Project: Bells mill

Node/Point #: 807

Location/Nearest Intersection: 28

Date: 10-9-08

Surveyed By: M Meekins

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

Flow Direction (circle one): ← →

Culvert Invert Elev.: _____

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

Bottom Width: _____

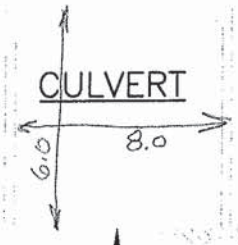
Side Slope (Horz/Vert): _____

CULVERT

DITCH

Ground Elev.: 8.68

High Shoulder Elev.: _____



Low Shoulder Elev.: _____

Ditch Invert Elev.: 1.08

Additional description of the point location:

CONC Ditch EACH SIDE of culvert

Project: Bells m.ll

Date: 10-9-08

Node/Point #: 815/817

Surveyed By: M Meekins

Location/Nearest Intersection: # 36 NO PICTURE CEDAR ROAD/BELLS MILL ROAD

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

Rim Elev.: _____

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

Flow Direction ←

Culvert Material: _____

Culvert Depth: _____

Culvert Width: _____

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

CULVERT

W.S. Elev.: _____

Culvert Material: _____

Culvert Depth: _____

Culvert Width: _____

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

Invert Out Elev.: _____

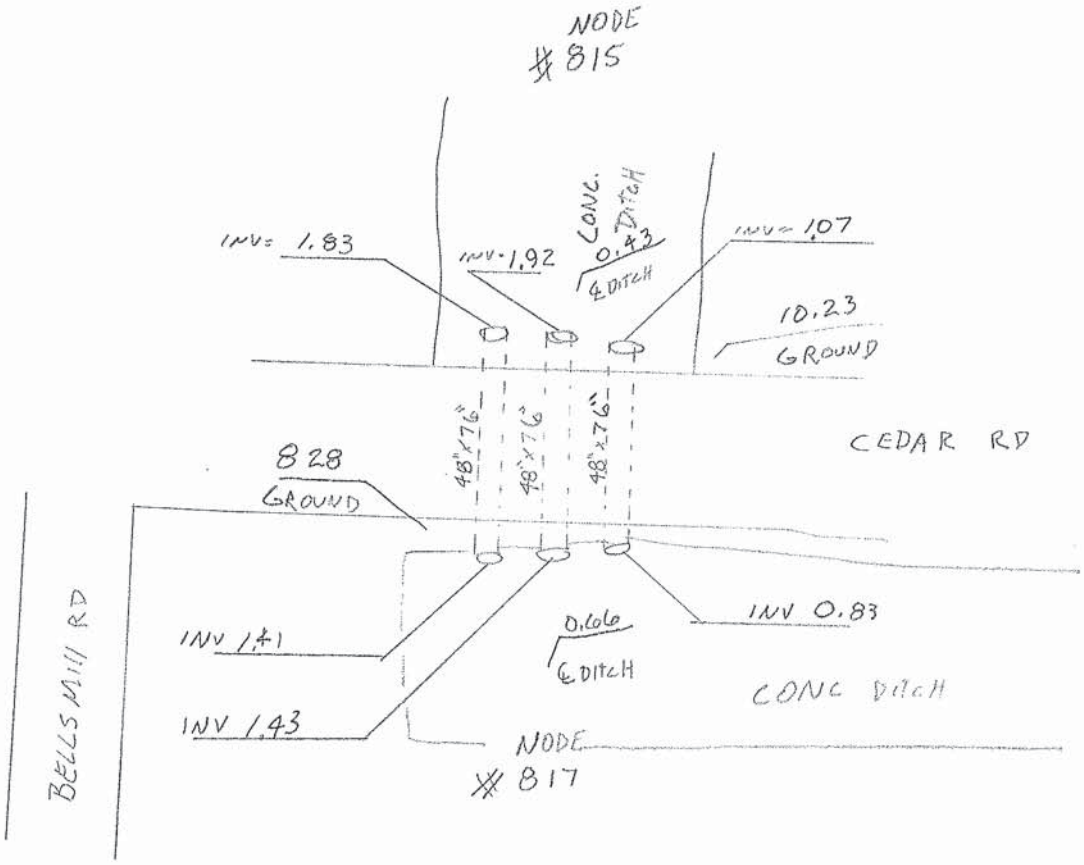
Invert Elev.: _____

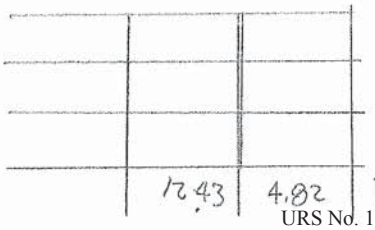
OUTLET CULVERT

LAKE

Additional description of the point location: _____

36


NODE
#815
INV= 1.83
INV-1.92
CONC. DITCH
0.43
& DITCH
INV= 1.07
10.23
GROUND
48"x76"
48"x76"
48"x76"
CEDAR RD
828
GROUND
BELLS MILL RD
INV 1.41
INV 1.43
0.606
& DITCH
INV 0.83
CONC DITCH
NODE
#817


12.43
4.82
7.61

Project: Bells mille

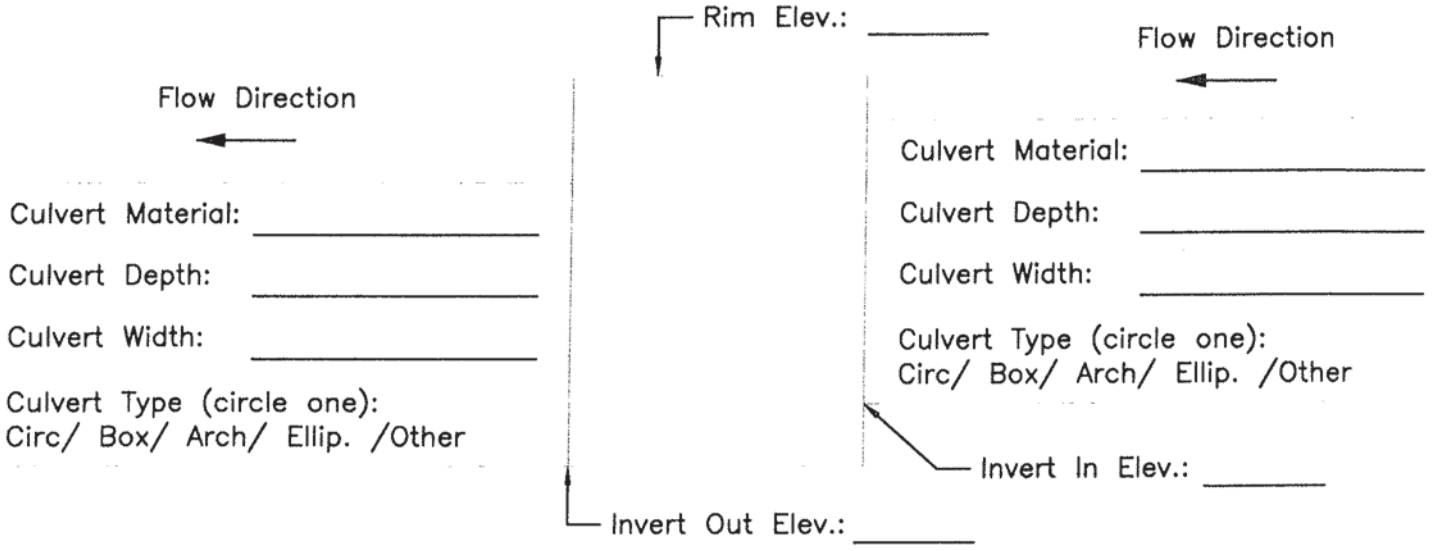
Node/Point #: 827/829

Location/Nearest Intersection: 29

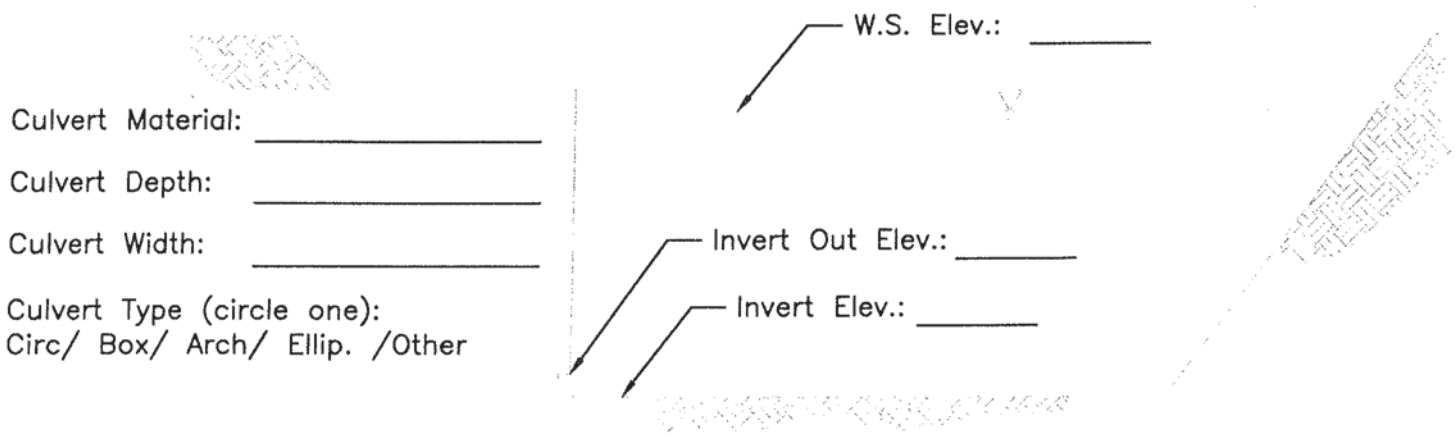
Date: 10

Surveyed By:

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



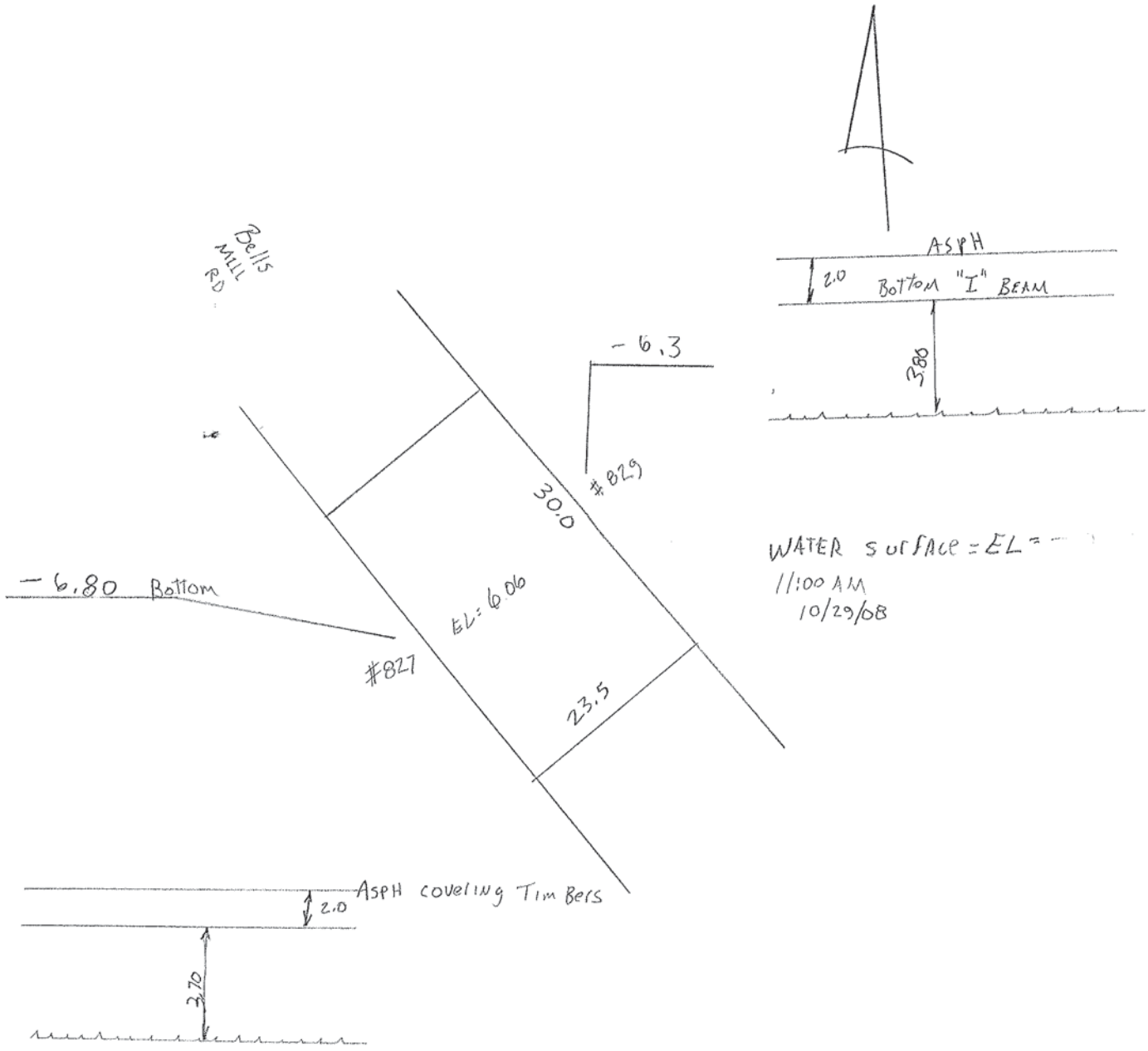
CULVERT JUNCTION/INLET CULVERT



OUTLET CULVERT LAKE

Additional description of the point location:

ALL INFO ON Back PAGE 827/829 WATer Surface el.


Bells Mill Rd
ASPH
2.0
Bottom "I" Beam
3.80
- 6.3
#829
30.0
WATER surface = EL =
11:00 AM
10/29/08
- 6.80 Bottom
EL: 6.06
#827
23.5
ASPH covering Tim Bers
2.0
3.70

9.81

Project: Bells Mill

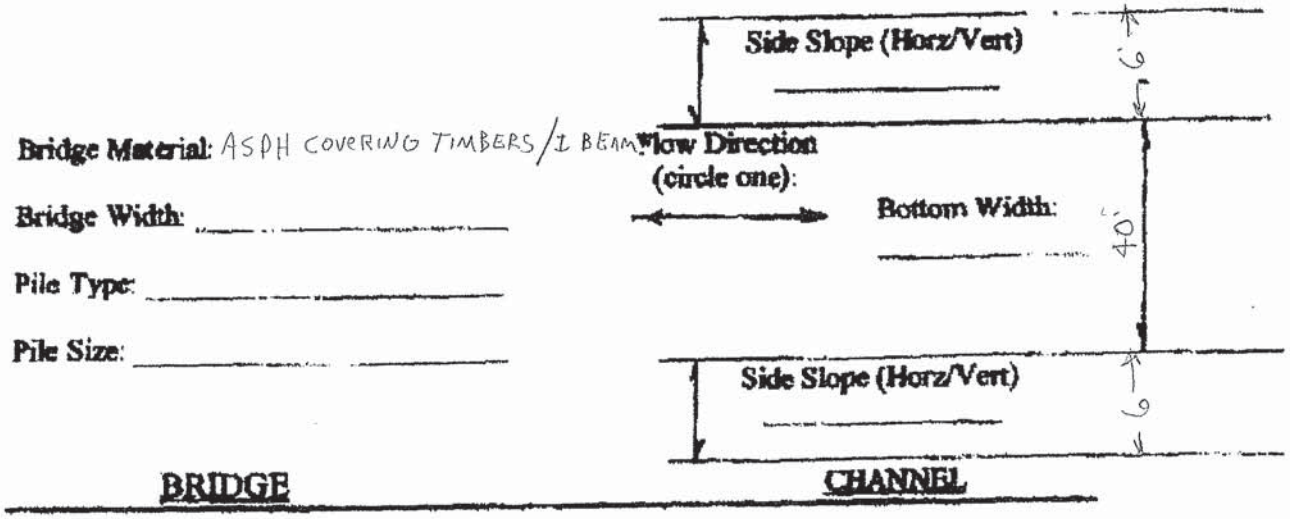
Node/Point #: 827

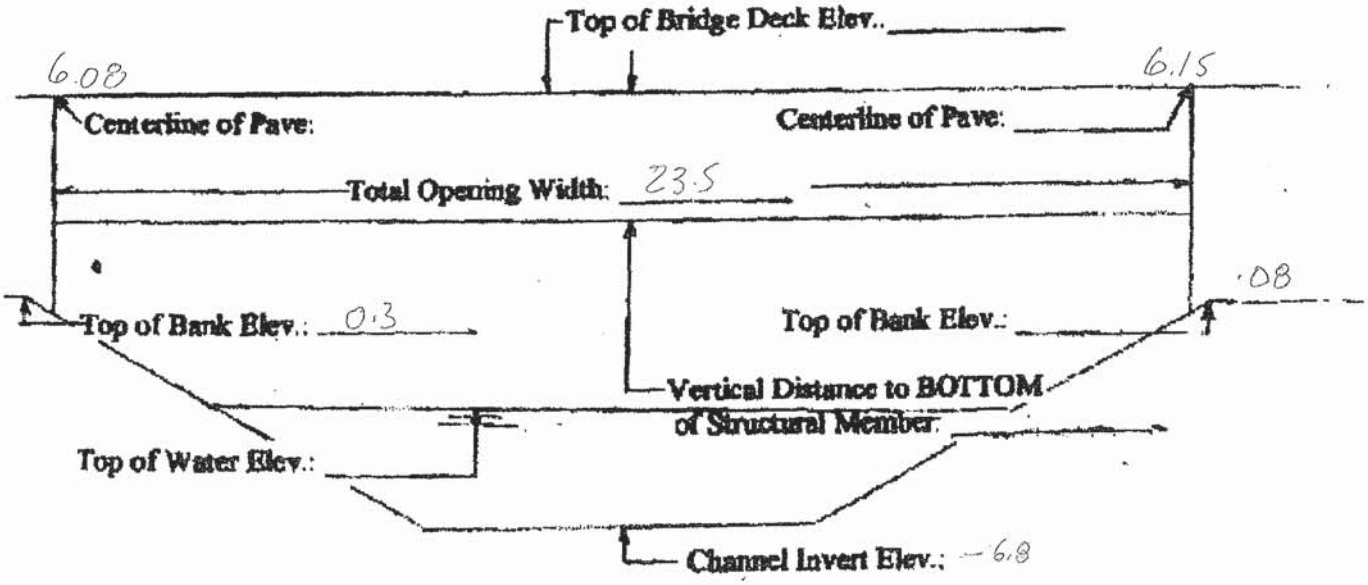
Location/Nearest Intersection: 29

Date: 10-29-08

Surveyed By: meekins

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

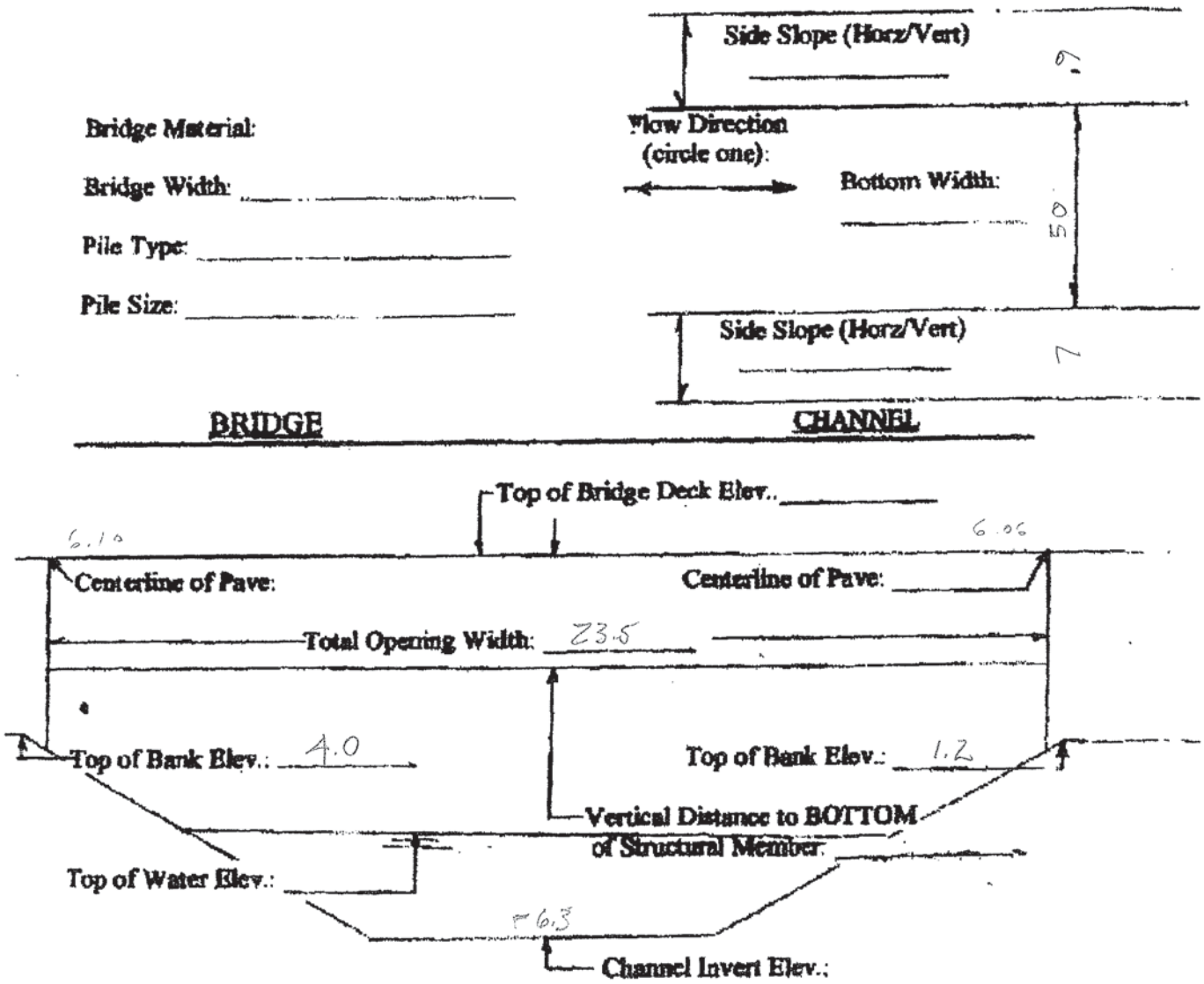




Project: Bells Mill
Node/Point #: 829
Location/Nearest Intersection: 29

Date: 10-28-08
Surveyed By: MPERKINS

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



Project: Bells Mill

Node/Point #: 937

Location/Nearest Intersection: 32

Date: 10-14-08

Surveyed By: M Meekins

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.: _____

Flow Direction (circle one): ← →

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

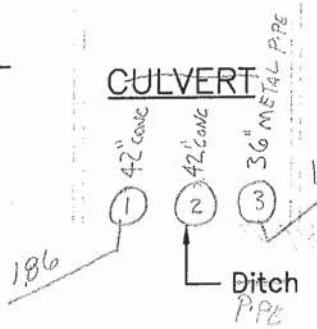
Bottom Width: _____

Side Slope (Horz/Vert): _____

CULVERT DITCH

Ground Elev.: 5.99

High Shoulder Elev.: _____



Low Shoulder Elev.: _____

Ditch Invert Elev.: 1.27 PIPE

Additional description of the point location:

Project: Bells Mill

Node/Point #: 943

Location/Nearest Intersection: 32

Date: 10-14-08

Surveyed By: M Meekins

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

Flow Direction (circle one): ← →

Culvert Invert Elev.: _____

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

Bottom Width: _____

Side Slope (Horz/Vert): _____

CULVERT

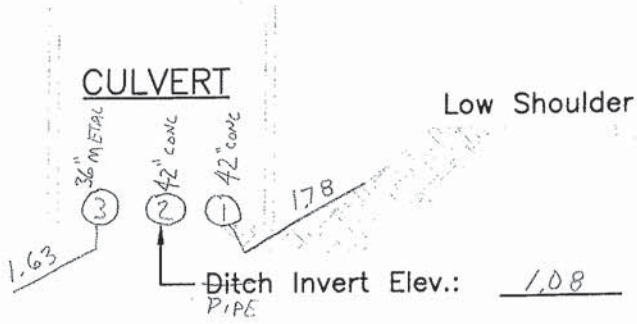
DITCH

Ground Elev.: 6.4

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____



Ditch Invert Elev.: 1.08 PIPE

Additional description of the point location:

HI 11.18

Project: Bells Mill

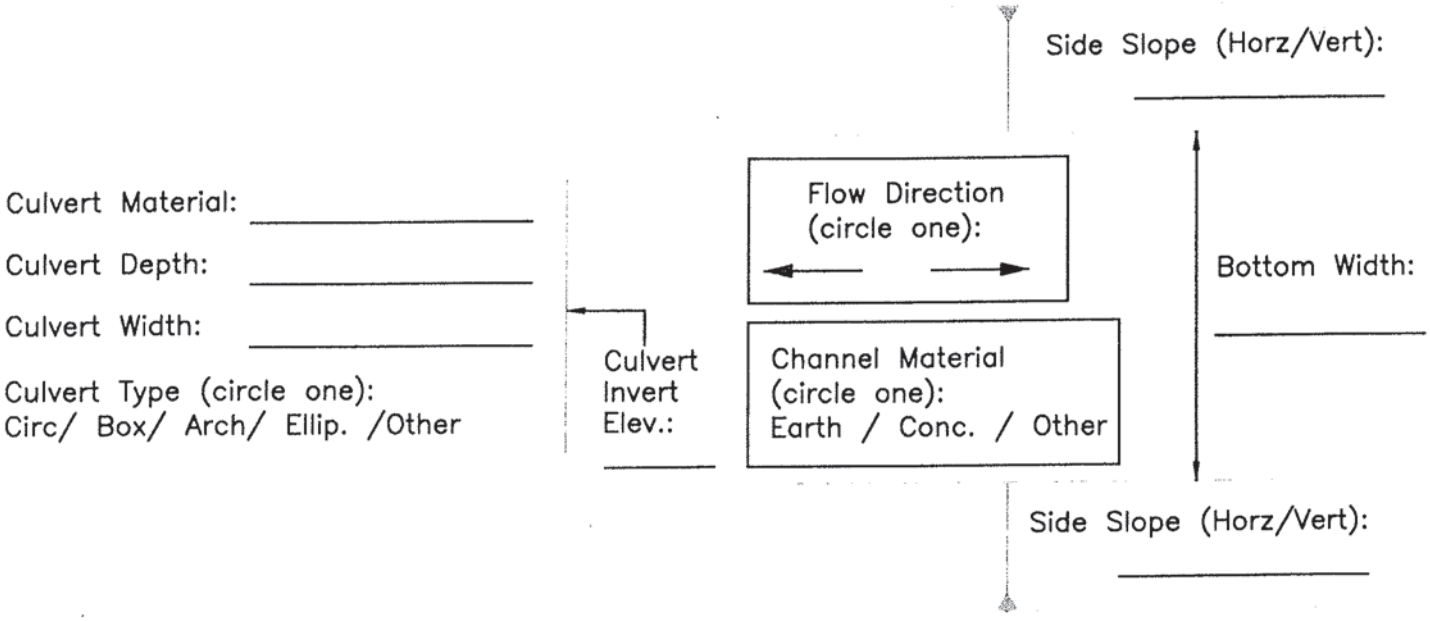
Node/Point #: 969

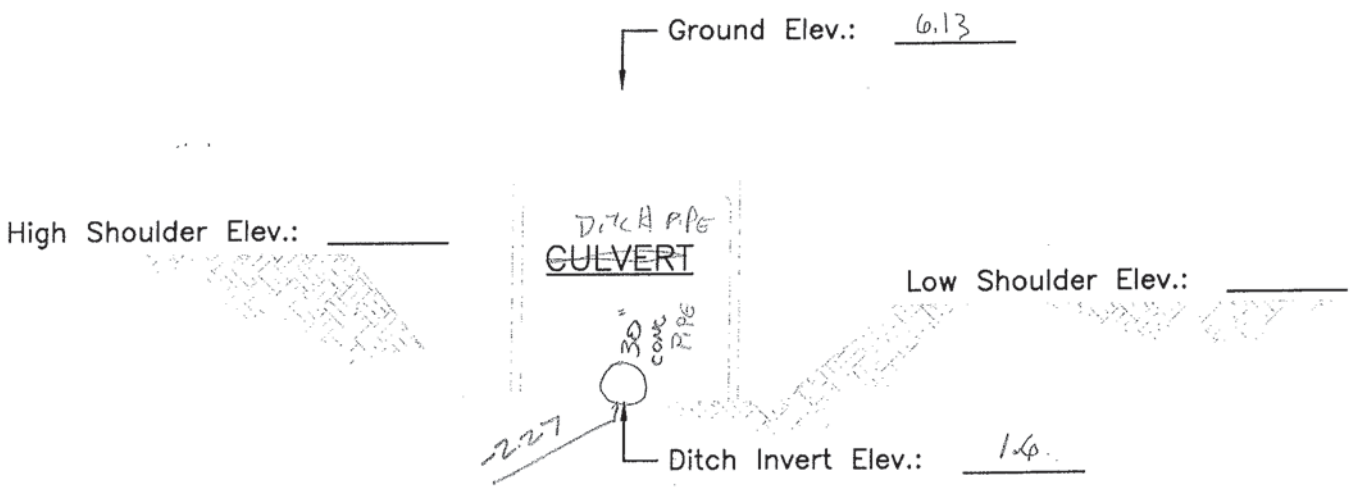
Location/Nearest Intersection: 33

Date: 10·14·08

Surveyed By: MM

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





Additional description of the point location:

Project: Bells Mill

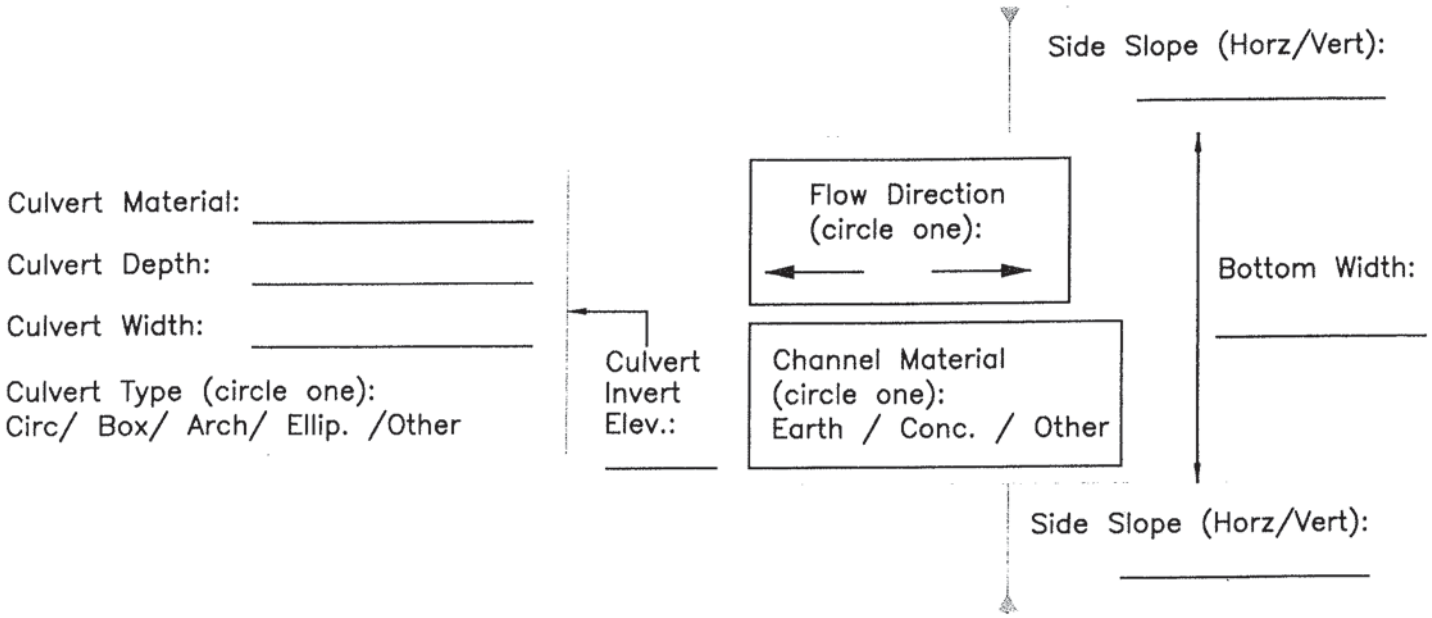
Node/Point #: 971

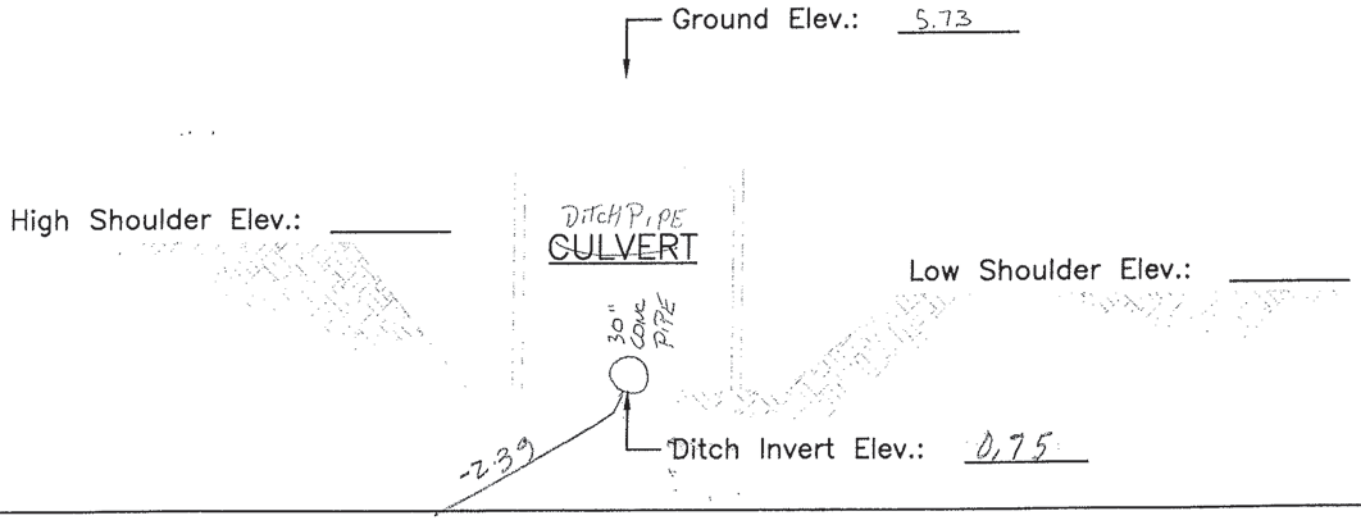
Location/Nearest Intersection: 33

Date: 10-14-08

Surveyed By: MM

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





Additional description of the point location:

Project: _____

Node/Point #: NONODE @ PIPE

Location/Nearest Intersection: 33 NEAR NODE 973

Date: 10-14-08

Surveyed By: MM

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

Flow Direction (circle one): ← →

Culvert Invert Elev.: _____

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

Bottom Width: _____

Side Slope (Horz/Vert): _____

CULVERT

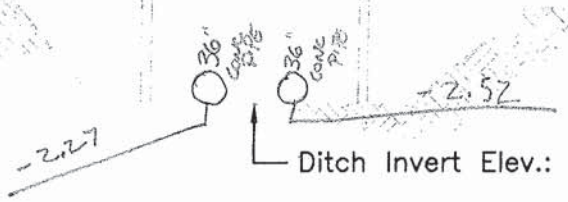
DITCH

Ground Elev.: 6.1

High Shoulder Elev.: _____

CULVERT

Low Shoulder Elev.: _____



Ditch Invert Elev.: 1.3

Additional description of the point location:

HI 10.43

6.81

Project: _____

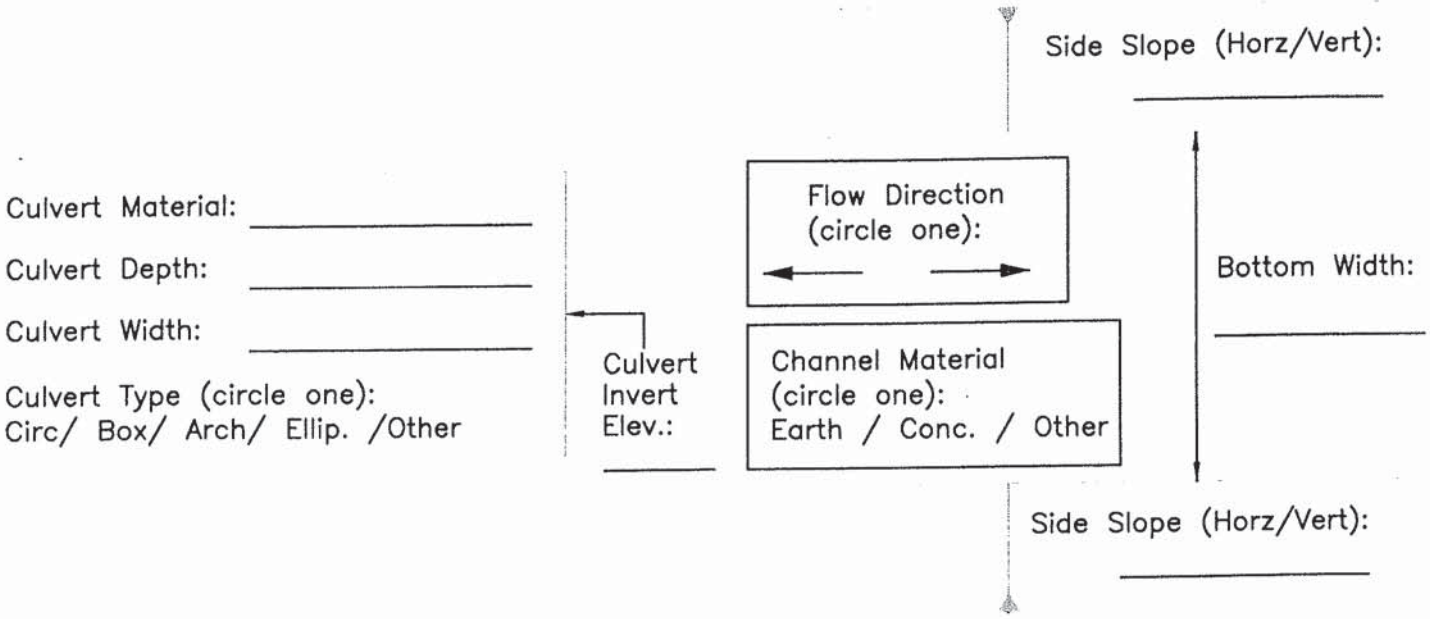
Node/Point #: 973

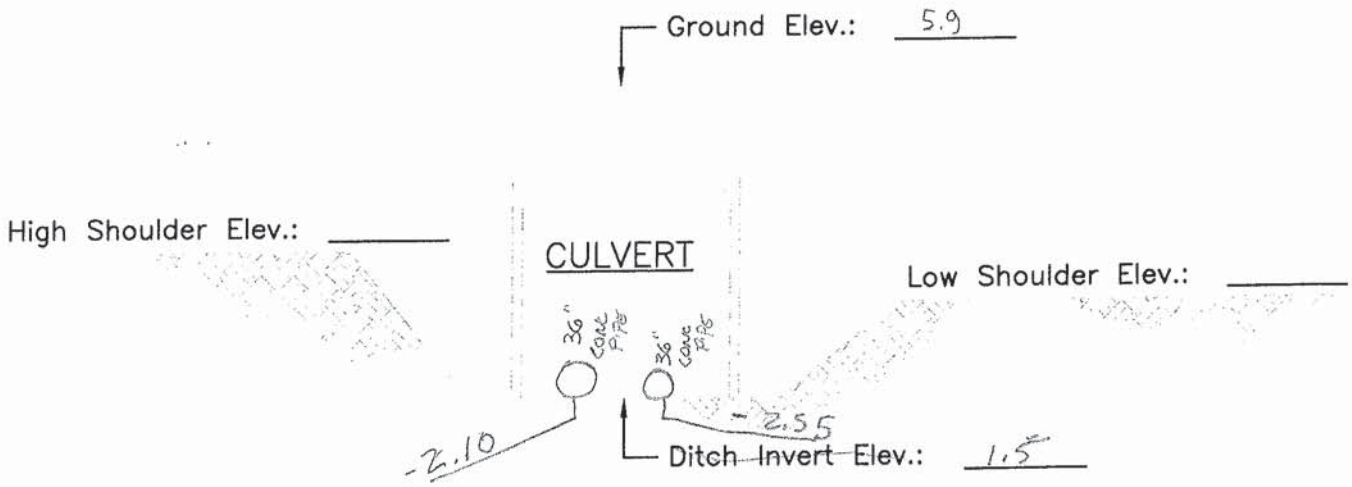
Location/Nearest Intersection: 33

Date: 10-14-08

Surveyed By: MM

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





Additional description of the point location:

HI 11.52

Project: _____

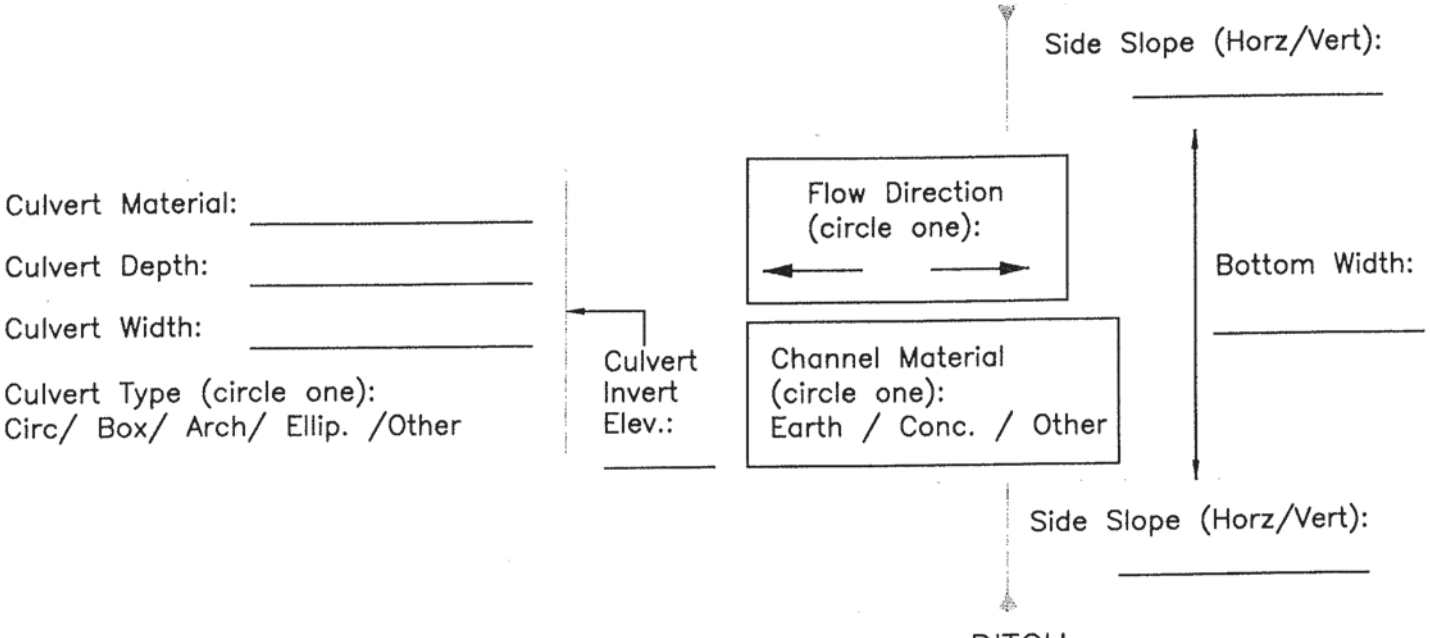
Node/Point #: 975

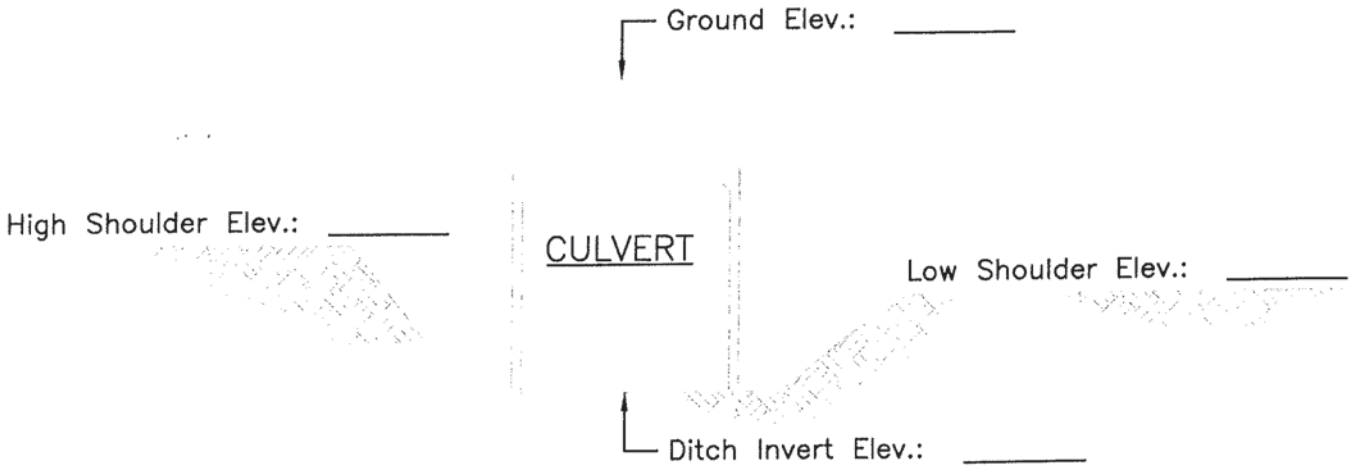
Location/Nearest Intersection: 33

Date: 10-14-08

Surveyed By: _____

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





Additional description of the point location:

INTERSECTION OF Ditch EL = 0.20