```
         Name: L-A015C1            From Node: N-A015            Length(ft): 3000.00
        Group: RR                    To Node: N-A010                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
   Invert(ft): -4.200         -4.200                               Flow: Both
TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.300
  Manning's N:                                             Expansion Coef: 0.500
 Top Clip(ft):                                          Entrance Loss Coef: 0.000
 Bot Clip(ft):                                              Exit Loss Coef: 0.000
    Main XSec: X-A020-1       X-A020-1                    Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dn
    Aux XSec1:                                           Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
         Name: L-A020C1            From Node: N-A020            Length(ft): 700.00
        Group: RR                    To Node: N-A015                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
   Invert(ft): -4.200         -4.200                               Flow: Both
TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.300
  Manning's N:                                             Expansion Coef: 0.500
 Top Clip(ft):                                          Entrance Loss Coef: 0.000
 Bot Clip(ft):                                              Exit Loss Coef: 0.000
    Main XSec: X-A020-1       X-A020-1                    Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dn
    Aux XSec1:                                           Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
         Name: L-A040C1            From Node: N-A040            Length(ft): 6000.00
        Group: RR                    To Node: N-A030                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
   Invert(ft): -1.000         -4.200                               Flow: Both
TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
  Manning's N:                                             Expansion Coef: 0.300
 Top Clip(ft):                                          Entrance Loss Coef: 0.000
 Bot Clip(ft):                                              Exit Loss Coef: 0.000
    Main XSec: X-A040-1       X-A040-2                    Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                        Inlet Ctrl Spec: Use dn
    Aux XSec1:                                           Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
         Name: L-A050C1            From Node: N-A050            Length(ft): 1300.00
        Group: RR                    To Node: N-A040                 Count: 1
```

```
               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
   Invert(ft): 1.000          -1.000                                 Flow: Both
TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
  Manning's N:                                            Expansion Coef: 0.300
 Top Clip(ft):                                        Entrance Loss Coef: 0.000
 Bot Clip(ft):                                            Exit Loss Coef: 0.000
    Main XSec: X-A050-1       X-A050-1                  Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dn
    Aux XSec1:                                         Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
         Name: L-A070C1            From Node: N-A070            Length(ft): 450.00
        Group: RR                    To Node: N-A060                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
   Invert(ft): 3.100          3.000                                  Flow: Both
TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
  Manning's N:                                            Expansion Coef: 0.300
 Top Clip(ft):                                        Entrance Loss Coef: 0.000
 Bot Clip(ft):                                            Exit Loss Coef: 0.000
    Main XSec: X-A075-1       X-A075-1                  Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dn
    Aux XSec1:                                         Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
         Name: L-A075C1            From Node: N-A075            Length(ft): 1220.00
        Group: RR                    To Node: N-A070                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
   Invert(ft): 4.000          3.100                                  Flow: Both
TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
  Manning's N:                                            Expansion Coef: 0.300
 Top Clip(ft):                                        Entrance Loss Coef: 0.000
 Bot Clip(ft):                                            Exit Loss Coef: 0.000
    Main XSec: X-A075-1       X-A075-1                  Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dn
    Aux XSec1:                                         Stabilizer Option: None
 AuxElev2(ft): 0.000          0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):


--------------------------------------------------------------------------------------------------
         Name: L-A083AC1           From Node: N-A083A           Length(ft): 500.00
        Group: RR                    To Node: N-A083                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
   Invert(ft): 9.000          7.000                                  Flow: Both
```

```
 TClpInitZ(ft): 9999.000       9999.000                    Contraction Coef: 0.100
   Manning's N: 0.080000       0.080000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                          Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                           Inlet Ctrl Spec: Use dc
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 10.000         10.000
  LtSdSlp(h/v): 3.00           3.00
  RtSdSlp(h/v): 3.00           3.00

This channel is in the wetlands and not well defined.  JPI 6/25/15

-------------------------------------------------------------------------------------------------
          Name: L-A083C1            From Node: N-A083             Length(ft): 1350.00
         Group: RR                    To Node: N-A100                  Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 4.100          3.970                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                    Contraction Coef: 0.100
   Manning's N: 0.055000       0.055000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                          Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                           Inlet Ctrl Spec: Use dc
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 8.000          8.000
  LtSdSlp(h/v): 2.50           2.50
  RtSdSlp(h/v): 2.50           2.50

Added per Lowcountry Development plan (Bees Ferry Apts).  JPI 6/23/15

-------------------------------------------------------------------------------------------------
          Name: L-A090C1            From Node: N-A090             Length(ft): 200.00
         Group: RR                    To Node: N-A080                  Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 3.960          3.920                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                    Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: X-A090-1        X-A090-1                    Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                        Inlet Ctrl Spec: Use dn
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-A101C1            From Node: N-A101             Length(ft): 230.00
         Group: RR                    To Node: N-A100                  Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 7.800          7.000                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                    Contraction Coef: 0.100
   Manning's N: 0.080000       0.080000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
```

```
  Bot Clip(ft): 0.000          0.000                        Exit Loss Coef: 0.000
     Main XSec:                                          Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                           Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 10.000         10.000
  LtSdSlp(h/v): 3.00           3.00
  RtSdSlp(h/v): 3.00           3.00

This area is a wetland.  Channel approximated to canal.  JPI 6/23/15

-------------------------------------------------------------------------------------------------
          Name: L-A110C1            From Node: N-A110            Length(ft): 5100.00
         Group: RR                    To Node: N-A040                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 0.000          -1.000                               Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: X-A110-1        X-A110-2                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-A130C1            From Node: N-A130            Length(ft): 1100.00
         Group: RR                    To Node: N-A110                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 3.000          1.000                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: X-A130-1        X-A130-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-A140C1            From Node: N-A140            Length(ft): 1100.00
         Group: RR                    To Node: N-A120                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 1.000          1.000                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: X-A140-1        X-A140-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dn
```

```
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-A141C1            From Node: N-A141             Length(ft): 900.00
         Group: RR                    To Node: N-A140                  Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 8.000          1.130                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                   Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                    Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                        Exit Loss Coef: 0.000
     Main XSec:                                         Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                          Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 3.000          3.000
  LtSdSlp(h/v): 2.00           2.00
  RtSdSlp(h/v): 2.00           2.00

Added per Traffic Circle.  D&F link L-A150C1.  JPI 5/21/15.

-------------------------------------------------------------------------------------------------
          Name: L-A145C1            From Node: N-A145             Length(ft): 340.00
         Group: RR                    To Node: N-A140                  Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 1.130          1.000                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: X-G010-1       X-G010-2                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Added per West Ashley Circle.  D&F link name is L-A160C1.

-------------------------------------------------------------------------------------------------
          Name: L-A150C1            From Node: N-A150             Length(ft): 2030.00
         Group: RR                    To Node: N-A145                  Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 1.700          1.130                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: X-G010-1       X-G010-2                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
```

```
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Added per Traffic Circle.  D&F node L-A170C1.  JPI 5/21/15

-------------------------------------------------------------------------------------------------
          Name: L-A160C1            From Node: N-A160            Length(ft): 1200.00
         Group: RR                    To Node: N-A150                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 2.540          2.080                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-G010-1       X-G010-2                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dn
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-A161C1            From Node: N-A161            Length(ft): 900.00
         Group: RR                    To Node: N-A145                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 9.500          1.130                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N: 0.065000       0.065000                     Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                    Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                       Exit Loss Coef: 0.000
     Main XSec:                                          Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                           Inlet Ctrl Spec: Use dn
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 2.000          2.000
  LtSdSlp(h/v): 2.00           2.00
  RtSdSlp(h/v): 2.00           2.00

Added per Traffic Circle.  5/21/15  JPI

-------------------------------------------------------------------------------------------------
          Name: L-A210C1            From Node: N-A210            Length(ft): 600.00
         Group: RR                    To Node: N-A200                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Always Outlet
    Invert(ft): 7.000          5.810                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N: 0.045000       0.045000                     Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                    Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                       Exit Loss Coef: 0.000
     Main XSec:                                          Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                           Inlet Ctrl Spec: Use dn
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 4.000          4.000
```

```
  LtSdSlp(h/v): 6.00           6.00
  RtSdSlp(h/v): 6.00           6.00



-------------------------------------------------------------------------------------------------
          Name: L-A310C1            From Node: N-A310            Length(ft): 175.00
         Group: RR                    To Node: N-A300                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 1.920          5.500                              Flow: None
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N: 0.045000       0.045000                    Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                    Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                        Exit Loss Coef: 0.000
     Main XSec:                                         Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                          Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 8.000          20.000
  LtSdSlp(h/v): 1.00           12.00
  RtSdSlp(h/v): 1.00           3.00

EXISTING DITCH WITH SEDIMENTATION

-------------------------------------------------------------------------------------------------
          Name: L-A310C2            From Node: N-A310            Length(ft): 175.00
         Group: RR                    To Node: N-A300                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 1.920          2.000                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N: 0.045000       0.045000                    Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                    Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                        Exit Loss Coef: 0.000
     Main XSec:                                         Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                          Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 8.000          8.000
  LtSdSlp(h/v): 1.00           1.00
  RtSdSlp(h/v): 1.00           1.00

PROPOSED DITCH AFTER CLEANED OUT

-------------------------------------------------------------------------------------------------
          Name: L-B010C1            From Node: N-B010            Length(ft): 1500.00
         Group: HH                    To Node: N-A120                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 1.500          1.000                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: X-B010-1        X-B010-1                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                     Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

```
-------------------------------------------------------------------------------------------------
          Name: L-B030C1            From Node: N-B125            Length(ft): 790.00
         Group: HH                    To Node: N-B320                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 2.000          2.000                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-B200-1       X-B200-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: L-B050C1            From Node: N-B050            Length(ft): 200.00
         Group: HH                    To Node: N-B020                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 1.700          1.500                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-B050-1       X-B050-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: L-B070C1            From Node: N-B070            Length(ft): 550.00
         Group: HH                    To Node: N-B060                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                  Solution Algorithm: Always Outlet
    Invert(ft): 2.500          2.000                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-B070-1       X-B070-2                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Added per traffic circle.  JPI 5/21/15

-------------------------------------------------------------------------------------------------
```

```
          Name: L-B072C1            From Node: N-B072            Length(ft): 1350.00
         Group: HH                    To Node: N-B071                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Trapezoidal    Trapezoidal              Solution Algorithm: Automatic
    Invert(ft): 10.000         8.360                                 Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                Contraction Coef: 0.100
   Manning's N: 0.100000       0.100000                  Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                  Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                      Exit Loss Coef: 0.000
     Main XSec:                                       Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                        Inlet Ctrl Spec: Use dn
     Aux XSec1:                                     Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 3.000          3.000
  LtSdSlp(h/v): 2.00           2.00
  RtSdSlp(h/v): 2.00           2.00

Added per Traffic Circle.  JPI 5/19/15

-------------------------------------------------------------------------------------------------
          Name: L-B080C1            From Node: N-B080            Length(ft): 950.00
         Group: HH                    To Node: N-B020                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 1.500          1.500                                 Flow: Both
 TClpInitZ(ft): 9999.000       99999.000               Contraction Coef: 0.100
   Manning's N:                                         Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: X-B080-1        X-B080-1              Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                  Inlet Ctrl Spec: Use dn
     Aux XSec1:                                     Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: L-B090C1            From Node: N-B090            Length(ft): 260.00
         Group: HH                    To Node: N-B080                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Always Outlet
    Invert(ft): 2.000          1.500                                 Flow: Both
 TClpInitZ(ft): 9999.000       99999.000               Contraction Coef: 0.100
   Manning's N:                                         Expansion Coef: 0.300
  Top Clip(ft):                                     Entrance Loss Coef: 0.000
  Bot Clip(ft):                                         Exit Loss Coef: 0.000
     Main XSec: X-B090-1        X-B090-1              Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                  Inlet Ctrl Spec: Use dn
     Aux XSec1:                                     Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):


-------------------------------------------------------------------------------------------------
          Name: L-B110C1            From Node: N-B110            Length(ft): 900.00
         Group: HH                    To Node: N-B100                 Count: 1
```

```
               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 4.000         3.500                                Flow: Both
 TClpInitZ(ft): 9999.000      9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: X-B110-1      X-B110-2                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000         0.000                       Inlet Ctrl Spec: Use dn
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft): 0.000         0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-B120C1            From Node: N-B120            Length(ft): 960.00
         Group: HH                    To Node: N-B080                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 1.500         1.500                                Flow: Both
 TClpInitZ(ft): 9999.000      9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: X-B120-1      X-B120-1                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000         0.000                       Inlet Ctrl Spec: Use dn
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft): 0.000         0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Length changed to match new node locations.  3/16/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-B130C1            From Node: N-B130            Length(ft): 260.00
         Group: HH                    To Node: N-B120                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 2.000         2.000                                Flow: Both
 TClpInitZ(ft): 9999.000      9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: X-B130-1      X-B130-1                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000         0.000                       Inlet Ctrl Spec: Use dn
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft): 0.000         0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-B150C1            From Node: N-B150            Length(ft): 1200.00
         Group: HH                    To Node: N-B140                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 1.500         1.500                                Flow: Both
```

```
TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
  Manning's N:                                             Expansion Coef: 0.300
 Top Clip(ft):                                        Entrance Loss Coef: 0.000
 Bot Clip(ft):                                            Exit Loss Coef: 0.000
    Main XSec: X-B150-1        X-B150-2                  Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dn
    Aux XSec1:                                          Stabilizer Option: None
 AuxElev2(ft): 0.000           0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):



--------------------------------------------------------------------------------------------------
         Name: L-B160C1            From Node: N-B160            Length(ft): 1400.00
        Group: HH                    To Node: N-B120                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 2.000          2.000                                 Flow: Both
TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
  Manning's N:                                             Expansion Coef: 0.300
 Top Clip(ft):                                        Entrance Loss Coef: 0.000
 Bot Clip(ft):                                            Exit Loss Coef: 0.000
    Main XSec: X-B160-1        X-B160-1                  Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dn
    Aux XSec1:                                          Stabilizer Option: None
 AuxElev2(ft): 0.000           0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):



--------------------------------------------------------------------------------------------------
         Name: L-B164C1            From Node: N-B164            Length(ft): 1070.00
        Group: HH                    To Node: N-B125                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 2.000          2.000                                 Flow: Both
TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
  Manning's N:                                             Expansion Coef: 0.300
 Top Clip(ft):                                        Entrance Loss Coef: 0.000
 Bot Clip(ft):                                            Exit Loss Coef: 0.000
    Main XSec: X-B200-1        X-B200-1                  Outlet Ctrl Spec: Use dc or tw
 AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dn
    Aux XSec1:                                          Stabilizer Option: None
 AuxElev2(ft): 0.000           0.000
    Aux XSec2:
Top Width(ft):
    Depth(ft):
Bot Width(ft):
 LtSdSlp(h/v):
 RtSdSlp(h/v):



--------------------------------------------------------------------------------------------------
         Name: L-B180C1            From Node: N-B180            Length(ft): 425.00
        Group: HH                    To Node: N-B160                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
   Invert(ft): 2.000          2.000                                 Flow: Both
TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
  Manning's N:                                             Expansion Coef: 0.300
 Top Clip(ft):                                        Entrance Loss Coef: 0.000
```

```
  Bot Clip(ft):                                          Exit Loss Coef: 0.000
     Main XSec: X-B180-1       X-B180-1                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Length changed to match node relocations counted area.  3/16/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-B200C1            From Node: N-B200            Length(ft): 635.00
         Group: HH                    To Node: N-B164                 Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 2.000          2.000                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                          Exit Loss Coef: 0.000
     Main XSec: X-B200-1       X-B200-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Length changed to match node locations.  3/16/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-B220C1            From Node: N-B220            Length(ft): 576.00
         Group: HH                    To Node: N-C330                 Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 2.000          2.000                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                          Exit Loss Coef: 0.000
     Main XSec: X-B210-1       X-B210-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Length changed to remove double counted area.  3/16/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-B320C1            From Node: N-B320            Length(ft): 132.00
         Group: HH                    To Node: N-B180                 Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 2.000          2.000                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                          Exit Loss Coef: 0.000
     Main XSec: X-B200-1       X-B200-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dn
```

```
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Length changed to remove double counted area.  3/16/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-B330C1            From Node: N-C330             Length(ft): 315.00
         Group: SM1                   To Node: N-B380                  Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 2.000          2.000                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: X-B210-1        X-B210-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Continued channel profile diagramed previously.

Length changed to remove double counted area.  3/16/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-C010C1            From Node: N-C010             Length(ft): 410.00
         Group: SM1                   To Node: N-C300                  Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Always Outlet
    Invert(ft): 3.000          3.000                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N: 0.045000       0.045000                     Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                          Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                           Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 7.500          7.500
  LtSdSlp(h/v): 6.00           6.00
  RtSdSlp(h/v): 6.00           6.00

Swale Info

-------------------------------------------------------------------------------------------------
          Name: L-C020C1            From Node: N-C020             Length(ft): 300.00
         Group: SM1                   To Node: N-C010                  Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Always Outlet
    Invert(ft): 3.200          3.000                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: X-C020-1        X-C020-2                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
```

```
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-C030C1            From Node: N-C030            Length(ft): 325.00
         Group: SM1                   To Node: N-C020                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Always Outlet
    Invert(ft): 3.400          3.200                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-C030-1       X-C030-1                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-C040C1            From Node: N-C040            Length(ft): 525.00
         Group: SM1                   To Node: N-C030                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Always Outlet
    Invert(ft): 3.600          3.400                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-C040-1       X-C040-1                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-C070C1            From Node: N-C070            Length(ft): 325.00
         Group: SM1                   To Node: N-C050                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 3.600          3.600                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-C070-1       X-C070-2                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
```

```
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-C085C1            From Node: N-C085            Length(ft): 450.00
         Group: SM1                   To Node: N-A083                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 4.180          4.100                                 Flow: Both
 TClpInitZ(ft): 9999.000       999.000                 Contraction Coef: 0.100
   Manning's N: 0.055000       0.055000                  Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                   Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                       Exit Loss Coef: 0.000
     Main XSec:                                        Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                         Inlet Ctrl Spec: Use dn
     Aux XSec1:                                       Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 8.000          8.000
  LtSdSlp(h/v): 2.50           2.50
  RtSdSlp(h/v): 2.50           2.50

NEW DITCH ALONG BEES FERRY - ALT#2C - JAMES

Length shortened to incorporate new segment downstream.  JPI 6/23/15

-------------------------------------------------------------------------------------------------
          Name: L-C086AC1           From Node: N-C086A           Length(ft): 66.00
         Group: RR                    To Node: N-C086                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Always Inlet
    Invert(ft): 7.020          4.000                                 Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                Contraction Coef: 0.100
   Manning's N: 0.050000       0.050000                  Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                   Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                       Exit Loss Coef: 0.000
     Main XSec:                                        Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                       Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 4.000          4.000
  LtSdSlp(h/v): 3.00           3.00
  RtSdSlp(h/v): 3.00           3.00

Added per McAlisters Funeral.  JPI 6/25/15.

-------------------------------------------------------------------------------------------------
          Name: L-C086C1            From Node: N-C086            Length(ft): 420.00
         Group: RR                    To Node: N-C080                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 4.000          4.410                                 Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                Contraction Coef: 0.100
   Manning's N: 0.035000       0.035000                  Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                   Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                       Exit Loss Coef: 0.000
     Main XSec:                                        Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                       Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
```

```
 Bot Width(ft): 8.000          8.000
  LtSdSlp(h/v): 3.00           3.00
  RtSdSlp(h/v): 3.00           3.00

Channel in front of McAlisters.  JPI 6/25/15

-------------------------------------------------------------------------------------------------
          Name: L-C090C1            From Node: N-C090            Length(ft): 400.00
         Group: SM1                   To Node: N-C086                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 3.760          4.000                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-C090-1        X-C090-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Updated US IE per Bees Ferry Widening 5/5/15 JPI

Updated per model revisions.  JPI 6/25/15

-------------------------------------------------------------------------------------------------
          Name: L-C120C1            From Node: N-C120            Length(ft): 475.00
         Group: SM1                   To Node: N-C110                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 3.500          3.500                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-C120-1        X-C120-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-C120C2            From Node: N-C120            Length(ft): 500.00
         Group: SM1                   To Node: N-C260                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 3.500          3.500                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-C120-2        X-C120-2                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
```

```
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-C130C1            From Node: N-C130            Length(ft): 1400.00
         Group: SM1                   To Node: N-C120                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 3.500          3.500                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-C130-1       X-C130-2                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-C150C1            From Node: N-C150            Length(ft): 1200.00
         Group: SM1                   To Node: N-C130                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 3.500          3.500                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-C150-1       X-C150-2                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-C160C1            From Node: N-C160            Length(ft): 550.00
         Group: SM1                   To Node: N-C130                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 3.500          3.500                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-C160-1       X-C160-1                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

```
-------------------------------------------------------------------------------------------------
          Name: L-C180C1            From Node: N-C180            Length(ft): 995.00
         Group: SM1                   To Node: N-C170                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 4.000          4.000                               Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-C180-1        X-C180-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-C202C1            From Node: N-C203            Length(ft): 422.00
         Group: MB                    To Node: N-I270                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 8.100          5.300                               Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-C203C1        X-C203C1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

part of overflow system from lidar.  4/21/09.  JP

-------------------------------------------------------------------------------------------------
          Name: L-C203C1            From Node: N-C203            Length(ft): 118.00
         Group: MB                    To Node: N-C205                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 8.100          7.700                               Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-C203C1        X-C203C1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

overflow system from lidar.  4/21/09.  JP

-------------------------------------------------------------------------------------------------
```

```
          Name: L-C205C1            From Node: N-C205            Length(ft): 220.00
         Group: MB                    To Node: N-C206                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 7.700          5.590                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-C203C1       X-C203C1                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

overflow channel from lidar.  4/21/09.  JP

-------------------------------------------------------------------------------------------------
          Name: L-C211C1            From Node: N-C210            Length(ft): 881.00
         Group: SM1                   To Node: N-C020                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Always Outlet
    Invert(ft): 5.900          6.100                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-C211C1       X-C211C1                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

overflow channel from lidar.  4/21/09.  JP

-------------------------------------------------------------------------------------------------
          Name: L-C243              From Node: N-C243            Length(ft): 240.00
         Group: SM1                   To Node: N-C240                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 6.100          6.200                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-C250-2       X-C250-2                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Added per FEMA comment.  3/16/11 JPI

-------------------------------------------------------------------------------------------------
          Name: L-C250C1            From Node: N-C250            Length(ft): 230.00
         Group: SM1                   To Node: N-C245                 Count: 1
```

```
               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                 Solution Algorithm: Always Outlet
    Invert(ft): 7.500         6.200                                Flow: Both
 TClpInitZ(ft): 9999.000      9999.000                   Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
    Main XSec: X-C250-1       X-C250-1                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000         0.000                       Inlet Ctrl Spec: Use dn
    Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000         0.000
    Aux XSec2:
 Top Width(ft):
    Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Length Updated per addition of nodes.  3/16/11 JPI
Invert updated per survey.  4/20/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-C255C1            From Node: N-C255            Length(ft): 330.00
         Group: SM1                   To Node: N-C100                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 6.800         3.870                                Flow: Both
 TClpInitZ(ft): 9999.000      9999.000                   Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
    Main XSec: X-C255-1       X-C255-2                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000         0.000                       Inlet Ctrl Spec: Use dc
    Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000         0.000
    Aux XSec2:
 Top Width(ft):
    Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Added to break channel into 2 parts to better show channel overtopping area. JPI 4/21/11

Updated DS IE per Bees Ferry Widening 5/5/15 JPI

-------------------------------------------------------------------------------------------------
          Name: L-C260C1            From Node: N-C260            Length(ft): 315.00
         Group: SM1                   To Node: N-C255                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 8.300         6.800                                Flow: Both
 TClpInitZ(ft): 9999.000      999.000                    Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
    Main XSec: X-C260-1       X-C260-1                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000         0.000                       Inlet Ctrl Spec: Use dn
    Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000         0.000
    Aux XSec2:
 Top Width(ft):
    Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-C300C1            From Node: N-C300            Length(ft): 175.00
         Group: MB                    To Node: N-C310                 Count: 1
```

```
               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Always Outlet
    Invert(ft): 3.200          3.400                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N: 0.045000       0.045000                   Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                    Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                        Exit Loss Coef: 0.000
     Main XSec:                                         Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                          Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 13.000         10.000
  LtSdSlp(h/v): 2.00           2.00
  RtSdSlp(h/v): 2.00           2.00

Updated per survey 4/9/09.  JP

-------------------------------------------------------------------------------------------------
          Name: L-C301C1            From Node: N-C305            Length(ft): 204.00
         Group: SM1                   To Node: N-C304                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                 Solution Algorithm: Always Outlet
    Invert(ft): 7.500          5.770                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: X-C305C1       X-C305C1                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Overflow channel from lidar.  4/21/09.  JP

-------------------------------------------------------------------------------------------------
          Name: L-C310C1            From Node: N-C310            Length(ft): 40.00
         Group: MB                    To Node: N-C320                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Always Outlet
    Invert(ft): 3.200          2.860                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N: 0.045000       0.045000                   Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                    Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                        Exit Loss Coef: 0.000
     Main XSec:                                         Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                          Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 13.000         7.000
  LtSdSlp(h/v): 2.00           2.00
  RtSdSlp(h/v): 2.00           2.00

Updated per survey 4/9/09.  JP

-------------------------------------------------------------------------------------------------
          Name: L-C380C1            From Node: N-B380            Length(ft): 460.00
         Group: HH                    To Node: N-B200                 Count: 1

               UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 2.000          2.000                              Flow: Both
```

```
 TClpInitZ(ft): 9999.000       9999.000                    Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: X-C180-1        X-C180-1                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                       Inlet Ctrl Spec: Use dn
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Length changed to remove double counted area.  3/16/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-D010C1             From Node: N-D010             Length(ft): 180.00
         Group: SM2                    To Node: N-B160                  Count: 1

                UPSTREAM        DOWNSTREAM                  Friction Equation: Average Conveyance
      Geometry: Irregular       Irregular                  Solution Algorithm: Automatic
    Invert(ft): 2.200           2.000                                 Flow: Both
 TClpInitZ(ft): 9999.000        9999.000                    Contraction Coef: 0.100
   Manning's N:                                              Expansion Coef: 0.300
  Top Clip(ft):                                          Entrance Loss Coef: 0.000
  Bot Clip(ft):                                              Exit Loss Coef: 0.000
     Main XSec: X-D010-1        X-D010-1                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                       Inlet Ctrl Spec: Use dn
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Length updated to match revised node location.  3/16/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-D012C1             From Node: N-D012             Length(ft): 420.00
         Group: SM2                    To Node: N-D010                  Count: 1

                UPSTREAM        DOWNSTREAM                  Friction Equation: Average Conveyance
      Geometry: Trapezoidal     Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 2.300           2.200                                 Flow: Both
 TClpInitZ(ft): 9999.000        9999.000                    Contraction Coef: 0.100
   Manning's N: 0.035000        0.035000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000           0.000                      Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000           0.000                          Exit Loss Coef: 0.000
     Main XSec:                                             Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                               Inlet Ctrl Spec: Use dn
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 17.000          17.000
  LtSdSlp(h/v): 2.00            2.00
  RtSdSlp(h/v): 2.00            2.00

Length revised to account for revised node location.  3/16/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-D014C1             From Node: N-D014             Length(ft): 350.00
         Group: SM2                    To Node: N-D012                  Count: 1

                UPSTREAM        DOWNSTREAM                  Friction Equation: Average Conveyance
      Geometry: Trapezoidal     Trapezoidal                Solution Algorithm: Automatic
    Invert(ft): 3.300           2.300                                 Flow: Both
 TClpInitZ(ft): 9999.000        9999.000                    Contraction Coef: 0.100
   Manning's N: 0.035000        0.035000                      Expansion Coef: 0.300
  Top Clip(ft): 0.000           0.000                      Entrance Loss Coef: 0.000
```

```
  Bot Clip(ft): 0.000          0.000                        Exit Loss Coef: 0.000
     Main XSec:                                          Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                           Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 35.600         35.600
  LtSdSlp(h/v): 2.00           2.00
  RtSdSlp(h/v): 2.00           2.00

Length adjusted to better reflect node location.  3/16/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-D025C1            From Node: N-D025            Length(ft): 195.00
         Group: SM2                   To Node: N-D014                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Always Outlet
    Invert(ft): 3.500          3.300                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-D025-1        X-D025-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Length changed to remove double counted area.  3/16/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-D035C1            From Node: N-D035            Length(ft): 50.00
         Group: SM2                   To Node: N-D025                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 3.600          3.500                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N: 0.045000       0.045000                   Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                          Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                           Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 36.000         36.000
  LtSdSlp(h/v): 2.00           2.00
  RtSdSlp(h/v): 2.00           2.00

Length changed to remove double counted area.  3/16/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-D045C1            From Node: N-D045            Length(ft): 930.00
         Group: SM2                   To Node: N-D035                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 4.600          3.600                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N: 0.045000       0.045000                   Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                          Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                           Inlet Ctrl Spec: Use dn
```

```
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 13.000         13.000
  LtSdSlp(h/v): 2.00           2.00
  RtSdSlp(h/v): 2.00           2.00

Length adjusted to better represent node location.  3/16/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-D055C1            From Node: N-D055             Length(ft): 200.00
         Group: SM2                   To Node: N-D045                  Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 4.900          4.600                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N: 0.045000       0.045000                     Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                          Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                           Inlet Ctrl Spec: Use dn
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 21.000         21.000
  LtSdSlp(h/v): 2.00           2.00
  RtSdSlp(h/v): 2.00           2.00

Length changed to remove double counted area.  3/16/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-D070C1            From Node: N-D070             Length(ft): 680.00
         Group: SM2                   To Node: N-D060                  Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Always Inlet
    Invert(ft): 13.600         9.500                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: X-D070-1        X-D070-2                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-D100C1            From Node: N-D100             Length(ft): 400.00
         Group: SM2                   To Node: N-D090                  Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 5.500          5.500                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: X-D100-1        X-D100-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
```

```
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-D120C1            From Node: N-D120            Length(ft): 165.00
         Group: SM2                   To Node: N-I060                 Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Average Conveyance
      Geometry: Trapezoidal    Trapezoidal              Solution Algorithm: Always Outlet
    Invert(ft): 5.000          4.600                               Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                    Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                    Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                        Exit Loss Coef: 0.000
     Main XSec:                                          Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                           Inlet Ctrl Spec: Use dn
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 6.000          15.000
  LtSdSlp(h/v): 1.00           2.00
  RtSdSlp(h/v): 3.00           2.00

Updated per survey 4/9/09. JP

-------------------------------------------------------------------------------------------------
          Name: L-D130C1            From Node: N-D130            Length(ft): 240.00
         Group: SM2                   To Node: N-D065                 Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Average Conveyance
      Geometry: Trapezoidal    Trapezoidal              Solution Algorithm: Automatic
    Invert(ft): 5.000          5.000                               Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N: 0.045000       0.045000                    Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                    Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                        Exit Loss Coef: 0.000
     Main XSec:                                          Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                           Inlet Ctrl Spec: Use dn
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 20.000         20.000
  LtSdSlp(h/v): 2.00           2.00
  RtSdSlp(h/v): 2.00           2.00

Length adjusted to better locate area.  3/16/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-D140C1            From Node: N-D140            Length(ft): 850.00
         Group: SM2                   To Node: N-D130                 Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 5.000          5.000                               Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: X-D140-1        X-D140-1                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                     Inlet Ctrl Spec: Use dn
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
```

```
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Length adjusted to match node relocation.  3/16/11  JPI

-------------------------------------------------------------------------------------------------
          Name: L-D150C1            From Node: N-D150            Length(ft): 2300.00
         Group: SM2                   To Node: N-D140                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Irregular      Irregular                  Solution Algorithm: Always Outlet
    Invert(ft): 7.000          5.000                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-D150-1       X-D150-2                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-D180C1            From Node: N-D180            Length(ft): 1250.00
         Group: SM2                   To Node: N-D170                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
     Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 10.500         7.500                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-D180-1       X-D180-2                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-D200C1            From Node: N-D200            Length(ft): 900.00
         Group: SM2                   To Node: N-D160                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
     Geometry: Trapezoidal    Trapezoidal                Solution Algorithm: Always Outlet
    Invert(ft): 8.000          7.000                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N: 0.060000       0.060000                   Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                     Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                         Exit Loss Coef: 0.000
     Main XSec:                                          Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                           Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 4.000          4.000
  LtSdSlp(h/v): 2.00           2.00
  RtSdSlp(h/v): 2.00           2.00
```

```
-------------------------------------------------------------------------------------------------
          Name: L-D370C1            From Node: N-D370            Length(ft): 850.00
         Group: SM2                   To Node: N-D120                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 4.700          6.010                                 Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                    Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: X-D370C1       X-D370C1                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dn
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

TAKEN LENGTH FROM GIS MAP.  EXTRACTED INFORMATION FROM (L-D120C1) AN EXISTING LINK.

Invert updated from survey.  Crossection from Lidar. 4/8/09.  JP

-------------------------------------------------------------------------------------------------
          Name: L-E010C1            From Node: N-E010            Length(ft): 2300.00
         Group: VG                    To Node: N-D140                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                  Solution Algorithm: Automatic
    Invert(ft): 5.200          5.000                                 Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                    Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: X-E010-1       X-E010-1                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dn
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-E260C1            From Node: N-E260            Length(ft): 1500.00
         Group: VG                    To Node: N-E010                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                  Solution Algorithm: Always Outlet
    Invert(ft): 5.400          5.200                                 Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                    Contraction Coef: 0.100
   Manning's N:                                             Expansion Coef: 0.300
  Top Clip(ft):                                           Entrance Loss Coef: 0.000
  Bot Clip(ft):                                               Exit Loss Coef: 0.000
     Main XSec: X-E260-1       X-E260-1                   Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                       Inlet Ctrl Spec: Use dn
     Aux XSec1:                                           Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):
```

```
-------------------------------------------------------------------------------------------------
          Name: L-G010Cl            From Node: N-G010            Length(ft): 2500.00
         Group: RR                    To Node: N-A160                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 3.100          2.540                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-G010-1        X-G010-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

US IE updated per Bees Ferry Rd Widening 5/5/15 JPI

-------------------------------------------------------------------------------------------------
          Name: L-G021C1            From Node: N-G021            Length(ft): 480.00
         Group: BL                    To Node: N-G020                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Irregular      Irregular                 Solution Algorithm: Always Outlet
    Invert(ft): 4.000          3.510                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                         Entrance Loss Coef: 0.000
  Bot Clip(ft):                                             Exit Loss Coef: 0.000
     Main XSec: X-G030-1        X-G030-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                      Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Added per Verdier Apts.  6/2/15  JPI

-------------------------------------------------------------------------------------------------
          Name: L-G022C1            From Node: N-G022            Length(ft): 75.00
         Group: BL                    To Node: N-G021                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Always Inlet
    Invert(ft): 7.810          4.000                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                     Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                    Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                        Exit Loss Coef: 0.000
     Main XSec:                                          Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                            Inlet Ctrl Spec: Use dc
     Aux XSec1:                                          Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 2.000          2.000
  LtSdSlp(h/v): 3.00           3.00
  RtSdSlp(h/v): 3.00           3.00

Added per Verdier Apts.  JPI 6/2/15

-------------------------------------------------------------------------------------------------
          Name: L-G025AC1           From Node: N-G025A           Length(ft): 166.00
```

```
         Group: BL                   To Node: N-G025                Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal              Solution Algorithm: Always Inlet
    Invert(ft): 7.730          4.500                                 Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                  Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                 Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                     Exit Loss Coef: 0.000
     Main XSec:                                       Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                        Inlet Ctrl Spec: Use dc
     Aux XSec1:                                     Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 2.000          2.000
  LtSdSlp(h/v): 3.00           2.00
  RtSdSlp(h/v): 3.00           2.00

Added per Verdier Apts.  JPI 6/2/15

-------------------------------------------------------------------------------------------------
          Name: L-G025C1            From Node: N-G025            Length(ft): 220.00
         Group: BL                    To Node: N-G021                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                Solution Algorithm: Always Outlet
    Invert(ft): 4.500          4.000                                 Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                Contraction Coef: 0.100
   Manning's N:                                          Expansion Coef: 0.300
  Top Clip(ft):                                       Entrance Loss Coef: 0.000
  Bot Clip(ft):                                           Exit Loss Coef: 0.000
     Main XSec: X-G030-1        X-G030-1                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                     Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Added per Verdier Apts.  JPI 6/2/15

-------------------------------------------------------------------------------------------------
          Name: L-G028AC1           From Node: N-G028            Length(ft): 380.00
         Group: BL                    To Node: N-G025                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                Solution Algorithm: Always Outlet
    Invert(ft): 5.000          4.500                                 Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                Contraction Coef: 0.100
   Manning's N:                                          Expansion Coef: 0.300
  Top Clip(ft):                                       Entrance Loss Coef: 0.000
  Bot Clip(ft):                                           Exit Loss Coef: 0.000
     Main XSec: X-G030-1        X-G030-1                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                     Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Added per Verdier Apts.  JPI 6/2/15

-------------------------------------------------------------------------------------------------
          Name: L-G028C1            From Node: N-G028A           Length(ft): 110.00
         Group: BL                    To Node: N-G028                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
```

```
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
    Invert(ft): 7.780          5.000                                  Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N: 0.012000       0.012000                   Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                   Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                       Exit Loss Coef: 0.000
     Main XSec:                                         Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                          Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 2.000          2.000
  LtSdSlp(h/v): 3.00           3.00
  RtSdSlp(h/v): 3.00           3.00

Added per Verdier Apts.  JPI 6/2/15

-------------------------------------------------------------------------------------------------
          Name: L-G030C1            From Node: N-G030            Length(ft): 2220.00
         Group: BL                    To Node: N-G028                 Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Always Outlet
    Invert(ft): 6.000          5.000                                  Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                       Entrance Loss Coef: 0.000
  Bot Clip(ft):                                           Exit Loss Coef: 0.000
     Main XSec: X-G030-1       X-G030-1                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

DS IE updated per Bees Ferry Rd Widening 5/5/15 JPI

Updated length and DS IE per Verdier apts.  JPI  6/2/15

-------------------------------------------------------------------------------------------------
          Name: L-G042C1            From Node: N-G042            Length(ft): 980.00
         Group: BL                    To Node: N-G020                 Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 3.200          3.510                                  Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                       Entrance Loss Coef: 0.000
  Bot Clip(ft):                                           Exit Loss Coef: 0.000
     Main XSec: X-G050-2       X-G050-2                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Added per Faison Apt.  JPI 6/1/15.

-------------------------------------------------------------------------------------------------
          Name: L-G044AC1           From Node: N-G044A           Length(ft): 115.00
         Group: BL                    To Node: N-G044                 Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Average Conveyance
      Geometry: Trapezoidal    Trapezoidal               Solution Algorithm: Automatic
```

```
    Invert(ft): 11.500         3.700                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                   Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                   Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                       Exit Loss Coef: 0.000
     Main XSec:                                        Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                         Inlet Ctrl Spec: Use dc
     Aux XSec1:                                      Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 2.000          2.000
  LtSdSlp(h/v): 3.00           3.00
  RtSdSlp(h/v): 3.00           3.00

Added per Blue Water Gas Station.  Channel thru wetland from underground detention outfall to channel.  JPI 6/4/

-------------------------------------------------------------------------------------------------
          Name: L-G044C1            From Node: N-G044            Length(ft): 560.00
         Group: BL                    To Node: N-G043                 Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 3.700          3.300                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                       Entrance Loss Coef: 0.000
  Bot Clip(ft):                                           Exit Loss Coef: 0.000
     Main XSec: X-G050-1        X-G050-1                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000           0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                      Stabilizer Option: None
  AuxElev2(ft): 0.000           0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Added per Faison and Blue Water Gas Station.  JPI 6/4/15.

-------------------------------------------------------------------------------------------------
          Name: L-G045AC1           From Node: N-G045A           Length(ft): 80.00
         Group: BL                    To Node: N-G045                 Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
      Geometry: Trapezoidal    Trapezoidal              Solution Algorithm: Always Inlet
    Invert(ft): 6.650          4.000                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                   Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                   Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                       Exit Loss Coef: 0.000
     Main XSec:                                        Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                         Inlet Ctrl Spec: Use dn
     Aux XSec1:                                      Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 2.000          2.000
  LtSdSlp(h/v): 3.00           3.00
  RtSdSlp(h/v): 3.00           3.00

Added per Faison Apts.  JPI 6/1/15.

-------------------------------------------------------------------------------------------------
          Name: L-G045C1            From Node: N-G045            Length(ft): 395.00
         Group: BL                    To Node: N-G044                 Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Automatic
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 4.000          3.700                              Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                 Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
```

```
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: X-G050-1       X-G050-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Added per Faison Apartments and Blue Water Gas Station.  JPI 6/4/15.

-------------------------------------------------------------------------------------------------
          Name: L-G050C1            From Node: N-G050             Length(ft): 725.00
         Group: BL                    To Node: N-G045                  Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 4.300          4.000                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: X-G050-1       X-G050-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

DS IE updated per Bees Ferry Rd Widening 5/5/15 JPI

Length, DS IE and DS X-Sect revised to add Faison Apartments.  JPI 6/1/15.

-------------------------------------------------------------------------------------------------
          Name: L-G100C1            From Node: N-G100             Length(ft): 2600.00
         Group: BL                    To Node: N-G050                  Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 4.600          4.300                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
  Bot Clip(ft):                                            Exit Loss Coef: 0.000
     Main XSec: X-G100-1       X-G100-1                  Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                      Inlet Ctrl Spec: Use dn
     Aux XSec1:                                         Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):



-------------------------------------------------------------------------------------------------
          Name: L-G170C1            From Node: N-G170             Length(ft): 825.00
         Group: BL                    To Node: N-G170A                 Count: 1

                UPSTREAM       DOWNSTREAM                 Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                 Solution Algorithm: Automatic
    Invert(ft): 5.700          4.600                                Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                   Contraction Coef: 0.100
   Manning's N:                                            Expansion Coef: 0.300
  Top Clip(ft):                                        Entrance Loss Coef: 0.000
```

```
  Bot Clip(ft):                                          Exit Loss Coef: 0.000
     Main XSec: X-G170-1       X-G170-1                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Revised length of culvert per SWA only

-------------------------------------------------------------------------------------------------
          Name: L-G180C1            From Node: N-G180            Length(ft): 573.00
         Group: BL                    To Node: N-G170                 Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Average Conveyance
      Geometry: Trapezoidal    Trapezoidal              Solution Algorithm: Automatic
    Invert(ft): 6.000          5.700                               Flow: None
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N: 0.040000       0.040000                    Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                   Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                       Exit Loss Coef: 0.000
     Main XSec:                                         Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft):                                          Inlet Ctrl Spec: Use dn
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 8.000          9.000
  LtSdSlp(h/v): 1.50           1.50
  RtSdSlp(h/v): 1.50           1.50

SWA - C-15
Appears to misrepresent conveyance through the existing dirt road crossing

-------------------------------------------------------------------------------------------------
          Name: L-I175C1            From Node: N-I180            Length(ft): 260.00
         Group: MB                    To Node: N-I170                 Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Average Conveyance
      Geometry: Irregular      Irregular                Solution Algorithm: Automatic
    Invert(ft): 11.000         9.000                               Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N:                                           Expansion Coef: 0.300
  Top Clip(ft):                                       Entrance Loss Coef: 0.000
  Bot Clip(ft):                                           Exit Loss Coef: 0.000
     Main XSec: X-I175C1       X-I175C1                 Outlet Ctrl Spec: Use dc or tw
  AuxElev1(ft): 0.000          0.000                     Inlet Ctrl Spec: Use dc
     Aux XSec1:                                        Stabilizer Option: None
  AuxElev2(ft): 0.000          0.000
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft):
  LtSdSlp(h/v):
  RtSdSlp(h/v):

Overflow link.  Added 4/21/09.  JP

-------------------------------------------------------------------------------------------------
          Name: L-I290C1            From Node: N-I290            Length(ft): 70.00
         Group: MB                    To Node: N-C290                 Count: 1

                UPSTREAM       DOWNSTREAM                Friction Equation: Average Conveyance
      Geometry: Trapezoidal    Trapezoidal              Solution Algorithm: Always Outlet
    Invert(ft): 7.400          6.940                               Flow: Both
 TClpInitZ(ft): 9999.000       9999.000                  Contraction Coef: 0.100
   Manning's N: 0.120000       0.120000                    Expansion Coef: 0.300
  Top Clip(ft): 0.000          0.000                   Entrance Loss Coef: 0.000
  Bot Clip(ft): 0.000          0.000                       Exit Loss Coef: 0.000
     Main XSec:                                         Outlet Ctrl Spec: Use dc or tw
```

```
  AuxElev1(ft):                                          Inlet Ctrl Spec: Use dn
     Aux XSec1:                                       Stabilizer Option: None
  AuxElev2(ft):
     Aux XSec2:
 Top Width(ft):
     Depth(ft):
 Bot Width(ft): 3.000          3.000
  LtSdSlp(h/v): 3.00           2.50
  RtSdSlp(h/v): 1.50           1.50

Updated per survey 4/9/09.  JP
```