



Curve Number: 82.00                      Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

Name: B0327-offsite                      Node: BBW\_Pond                      Status: Onsite  
Group: PhaseB                              Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
Rainfall File: FLMOD                      Storm Duration(hrs): 24.00  
Rainfall Amount(in): 4.500                      Time of Conc(min): 10.00  
Area(ac): 2.390                              Time Shift(hrs): 0.00  
Curve Number: 89.08                      Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

Name: BBE                                      Node: BBE\_Pond                      Status: Onsite  
Group: PhaseB                              Type: SCS Unit Hydrograph CN

Unit Hydrograph: UH256                      Peaking Factor: 256.0  
Rainfall File: FLMOD                      Storm Duration(hrs): 24.00  
Rainfall Amount(in): 4.500                      Time of Conc(min): 10.00  
Area(ac): 6.120                              Time Shift(hrs): 0.00  
Curve Number: 80.00                      Max Allowable Q(cfs): 999999.000  
DCIA(%): 85.00

Name: BBE\_Pond                              Node: BBE\_Pond                      Status: Onsite  
Group: PhaseB                              Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
Rainfall File: Flmod                      Storm Duration(hrs): 24.00  
Rainfall Amount(in): 4.500                      Time of Conc(min): 10.00  
Area(ac): 2.280                              Time Shift(hrs): 0.00  
Curve Number: 98.00                      Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

Name: BBW                                      Node: BBW\_Pond                      Status: Onsite  
Group: PhaseB                              Type: SCS Unit Hydrograph CN

Unit Hydrograph: UH256                      Peaking Factor: 256.0  
Rainfall File: FLMOD                      Storm Duration(hrs): 24.00  
Rainfall Amount(in): 4.500                      Time of Conc(min): 10.00  
Area(ac): 28.160                              Time Shift(hrs): 0.00  
Curve Number: 80.00                      Max Allowable Q(cfs): 999999.000  
DCIA(%): 85.00

Name: BBW\_Pond                              Node: BBW\_Pond                      Status: Onsite  
Group: PhaseB                              Type: SCS Unit Hydrograph CN

Unit Hydrograph: UH256                      Peaking Factor: 256.0  
Rainfall File: Flmod                      Storm Duration(hrs): 24.00  
Rainfall Amount(in): 4.500                      Time of Conc(min): 10.00  
Area(ac): 5.070                              Time Shift(hrs): 0.00  
Curve Number: 98.00                      Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

Name: POND26                                  Node: POND26                      Status: Onsite  
Group: PhaseB                              Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh256                      Peaking Factor: 256.0  
Rainfall File: Flmod                      Storm Duration(hrs): 24.00  
Rainfall Amount(in): 4.500                      Time of Conc(min): 10.00  
Area(ac): 3.960                              Time Shift(hrs): 0.00  
Curve Number: 98.00                      Max Allowable Q(cfs): 999999.000  
DCIA(%): 0.00

Name: Pond38                                  Node: POND38                      Status: Onsite  
Group: PhaseB                              Type: SCS Unit Hydrograph CN

Unit Hydrograph: Uh323                      Peaking Factor: 323.0  
Rainfall File: Flmod                      Storm Duration(hrs): 24.00  
Rainfall Amount(in): 12.700                      Time of Conc(min): 10.00

Area(ac): 3.560  
Curve Number: 98.00  
DCIA(%): 0.00

Time Shift(hrs): 0.00  
Max Allowable Q(cfs): 999999.000

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Nodes =====  
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Name: B0260                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.830  
Group: PhaseB                      Warn Stage(ft): 0.000  
Type: Stage/Area

Stage(ft)	Area(ac)
23.000	0.0011
24.000	0.0098
25.000	0.1027
26.000	0.3639
27.000	1.0006
28.000	3.3050
29.000	4.3498

Name: B0265                      Base Flow(cfs): 0.000                      Init Stage(ft): 26.500  
Group: PhaseB                      Warn Stage(ft): 0.000  
Type: Stage/Area

Stage(ft)	Area(ac)
25.000	0.0137
26.000	0.7656
27.000	1.7302
28.000	3.6908
29.000	4.6652

Name: B0270                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.830  
Group: PhaseB                      Warn Stage(ft): 0.000  
Type: Stage/Area

Stage(ft)	Area(ac)
23.000	0.2770
24.000	0.3300
25.000	0.3880
26.000	0.6010
27.000	0.8870
28.000	1.1790
29.000	1.4670
30.000	1.5270

Name: B0275                      Base Flow(cfs): 0.000                      Init Stage(ft): 25.700  
Group: PhaseB                      Warn Stage(ft): 0.000  
Type: Stage/Area

Stage(ft)	Area(ac)
25.000	0.2110
26.000	1.1940
27.000	3.4960
28.000	7.7510
29.000	9.1320
30.000	9.3880

Name: B0280                      Base Flow(cfs): 0.000                      Init Stage(ft): 23.168  
Group: PhaseB                      Warn Stage(ft): 0.000  
Type: Stage/Area

Stage(ft)	Area(ac)
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Name: B0326a                      Base Flow(cfs): 0.000                      Init Stage(ft): 21.500  
Group: PhaseB                      Warn Stage(ft): 0.000  
Type: Stage/Area



Group: PhaseB  
Type: Stage/Area

Warn Stage(ft): 0.000

Stage (ft)	Area (ac)
0.000	0.0100
9999.000	0.0100

Name: BBW7                      Base Flow(cfs): 0.000                      Init Stage(ft): 24.000  
Group: PhaseB                      Warn Stage(ft): 0.000  
Type: Stage/Area

Stage (ft)	Area (ac)
0.000	0.0100
9999.000	0.0100

Name: BBW8                      Base Flow(cfs): 0.000                      Init Stage(ft): 24.000  
Group: PhaseB                      Warn Stage(ft): 0.000  
Type: Stage/Area

Stage (ft)	Area (ac)
0.000	0.0100
9999.000	0.0100

Name: BBW\_Pond                      Base Flow(cfs): 0.000                      Init Stage(ft): 24.000  
Group: PhaseB                      Warn Stage(ft): 30.000  
Type: Stage/Area

Stage (ft)	Area (ac)
16.000	2.9400
20.000	3.2500
21.000	3.3300
22.000	3.4100
23.000	3.5800
24.000	3.7400
25.000	3.9100
26.000	4.0800
27.000	4.2600
28.000	4.4300
29.000	4.6100
30.000	4.7900

Name: P38\_1                      Base Flow(cfs): 0.000                      Init Stage(ft): 24.000  
Group: PhaseB                      Warn Stage(ft): 0.000  
Type: Stage/Area

Stage (ft)	Area (ac)
0.000	0.0100
9999.000	0.0100

Name: P38\_2                      Base Flow(cfs): 0.000                      Init Stage(ft): 24.000  
Group: PhaseB                      Warn Stage(ft): 0.000  
Type: Stage/Area

Stage (ft)	Area (ac)
0.000	0.0100
9999.000	0.0100

Name: P38\_3                      Base Flow(cfs): 0.000                      Init Stage(ft): 24.000  
Group: PhaseB                      Warn Stage(ft): 0.000  
Type: Stage/Area

Stage (ft)	Area (ac)
0.000	0.0100

9999.000 0.0100

Name: P38\_4 Base Flow(cfs): 0.000 Init Stage(ft): 24.000  
Group: PhaseB Warn Stage(ft): 0.000  
Type: Stage/Area

Stage (ft)	Area (ac)
0.000	0.0100
9999.000	0.0100

Name: P38\_5 Base Flow(cfs): 0.000 Init Stage(ft): 24.000  
Group: PhaseB Warn Stage(ft): 0.000  
Type: Stage/Area

Stage (ft)	Area (ac)
0.000	0.0100
9999.000	0.0100

Name: P38\_6 Base Flow(cfs): 0.000 Init Stage(ft): 24.000  
Group: PhaseB Warn Stage(ft): 0.000  
Type: Stage/Area

Stage (ft)	Area (ac)
0.000	0.0100
9999.000	0.0100

Name: POND26 Base Flow(cfs): 0.000 Init Stage(ft): 24.000  
Group: PhaseB Warn Stage(ft): 30.000  
Type: Stage/Area

Stage (ft)	Area (ac)
16.000	1.8600
22.000	2.2400
24.000	2.5100
25.000	2.6500
30.000	3.3700

Name: POND38 Base Flow(cfs): 0.000 Init Stage(ft): 24.000  
Group: PhaseB Warn Stage(ft): 31.000  
Type: Stage/Area

Stage (ft)	Area (ac)
15.000	1.7800
21.000	2.1500
30.000	3.3900
30.100	3.7700

==== Cross Sections =====

Name: B0260W1 Group: PhaseB  
Encroachment: No

Station(ft)	Elevation(ft)	Manning's N
0.000	29.000	0.100000
79.900	29.000	0.100000
85.500	28.900	0.100000
91.000	28.700	0.100000
96.600	28.600	0.100000
102.200	28.600	0.100000
107.800	28.600	0.100000
113.300	28.500	0.100000
118.900	28.500	0.100000
124.500	28.500	0.100000
130.000	28.400	0.100000
135.600	28.200	0.100000

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141.200	28.100	0.100000
146.800	28.000	0.100000
152.300	28.000	0.100000
157.900	28.000	0.100000
516.800	28.000	0.100000
522.300	27.900	0.100000
527.800	27.700	0.100000
533.300	27.600	0.100000
538.800	27.600	0.100000
544.300	27.600	0.100000
549.700	27.600	0.100000
555.200	27.600	0.100000
560.700	27.600	0.100000
566.200	27.600	0.100000
582.600	27.700	0.100000
593.600	27.700	0.100000
599.100	27.700	0.100000
604.600	27.700	0.100000
610.100	27.700	0.100000
615.500	27.600	0.100000
621.000	27.500	0.100000
626.500	27.100	0.100000
632.000	27.000	0.100000
637.500	27.000	0.100000
643.000	27.000	0.100000
702.700	27.000	0.100000
708.400	26.900	0.100000
714.100	26.800	0.100000
719.800	26.500	0.100000
725.500	26.100	0.100000
730.100	26.000	0.100000
735.200	26.000	0.100000
740.300	26.000	0.100000
816.700	26.000	0.100000
821.800	26.000	0.100000
826.900	25.900	0.100000
833.800	26.100	0.100000
884.500	25.100	0.100000
904.700	25.100	0.100000
962.000	25.400	0.100000
967.500	25.000	0.100000
972.900	25.000	0.100000
977.200	25.000	0.100000
982.200	25.000	0.100000
987.200	25.000	0.100000
992.200	25.000	0.100000
997.200	25.000	0.100000
1002.300	25.000	0.100000
1007.300	25.000	0.100000
1012.300	25.000	0.100000
1017.300	25.000	0.100000
1022.300	25.000	0.100000
1027.400	25.000	0.100000
1032.400	25.000	0.100000
1037.400	25.000	0.100000
1042.400	25.000	0.100000
1047.400	25.000	0.100000
1052.500	25.000	0.100000
1057.500	25.000	0.100000
1062.500	25.000	0.100000
1067.500	25.000	0.100000
1072.500	25.100	0.100000
1077.600	25.400	0.100000
1082.600	25.700	0.100000
1087.600	25.900	0.100000
1092.600	26.000	0.100000
1097.600	26.000	0.100000
1103.600	26.000	0.100000
1113.700	26.000	0.100000
1118.700	26.100	0.100000
1123.700	26.400	0.100000
1128.800	26.700	0.100000
1133.800	26.900	0.100000
1138.800	26.900	0.100000
1143.800	27.000	0.100000
1148.800	27.000	0.100000
1153.800	27.000	0.100000
1158.800	27.000	0.100000
1163.900	27.000	0.100000
1168.900	27.200	0.100000
1173.900	27.500	0.100000
1178.900	27.800	0.100000
1184.000	27.800	0.100000
1191.500	27.800	0.100000
1196.500	27.800	0.100000
1201.600	27.900	0.100000
1206.600	27.900	0.100000
1211.700	28.000	0.100000
1216.800	28.000	0.100000
1221.800	28.000	0.100000







Upstream FHWA Inlet Edge Description:  
Rectangular Box: 90° headwall w/ 3/4" chamfers

Downstream FHWA Inlet Edge Description:  
Rectangular Box: 90° headwall w/ 3/4" chamfers

design

Name: BB_P1	From Node: BBW_Pond	Length(ft): 40.00
Group: PhaseB	To Node: BBW8	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: -0.30
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 30.00	30.00	Bend Loss Coef: 0.00
Rise(in): 30.00	30.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 20.500	20.430	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Name: BBW1_P1	From Node: BBW1	Length(ft): 147.00
Group: PhaseB	To Node: BBE_Pond	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: 0.50
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 30.00	30.00	Bend Loss Coef: 0.00
Rise(in): 30.00	30.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 16.260	16.000	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Name: BBW2_P1	From Node: BBW2	Length(ft): 170.00
Group: PhaseB	To Node: BBW1	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: -0.20
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 30.00	30.00	Bend Loss Coef: 0.00
Rise(in): 30.00	30.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 16.580	16.260	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Name: BBW3_P1	From Node: BBW3	Length(ft): 231.00
Group: PhaseB	To Node: BBW2	Count: 1
		Friction Equation: Automatic
		Solution Algorithm: Most Restrictive
		Flow: Both
UPSTREAM	DOWNSTREAM	Entrance Loss Coef: -0.20
Geometry: Circular	Circular	Exit Loss Coef: 1.00
Span(in): 30.00	30.00	Bend Loss Coef: 0.00
Rise(in): 30.00	30.00	Outlet Ctrl Spec: Use dc or tw
Invert(ft): 17.000	16.580	Inlet Ctrl Spec: Use dc
Manning's N: 0.013000	0.013000	Stabilizer Option: None
Top Clip(in): 0.000	0.000	
Bot Clip(in): 0.000	0.000	



Top Clip(in): 0.000                    0.000                    Inlet Ctrl Spec: Use dc  
Bot Clip(in): 0.000                    0.000                    Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

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Name: BBW8\_P1                    From Node: BBW8                    Length(ft): 395.00  
Group: PhaseB                    To Node: BBW7                    Count: 1  
Friction Equation: Automatic  
Solution Algorithm: Most Restrictive  
Flow: Both  
UPSTREAM                    DOWNSTREAM  
Geometry: Circular                    Circular  
Span(in): 30.00                    30.00                    Entrance Loss Coef: -0.20  
Rise(in): 30.00                    30.00                    Exit Loss Coef: 1.00  
Invert(ft): 20.430                    19.720                    Bend Loss Coef: 0.00  
Manning's N: 0.013000                    0.013000                    Outlet Ctrl Spec: Use dc or tw  
Top Clip(in): 0.000                    0.000                    Inlet Ctrl Spec: Use dc  
Bot Clip(in): 0.000                    0.000                    Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

-----  
Name: P38\_1\_P1                    From Node: P38\_1                    Length(ft): 92.00  
Group: PhaseB                    To Node: POND26                    Count: 1  
Friction Equation: Automatic  
Solution Algorithm: Most Restrictive  
Flow: Both  
UPSTREAM                    DOWNSTREAM  
Geometry: Circular                    Circular  
Span(in): 30.00                    30.00                    Entrance Loss Coef: 0.80  
Rise(in): 30.00                    30.00                    Exit Loss Coef: 1.00  
Invert(ft): 16.200                    16.000                    Bend Loss Coef: 0.00  
Manning's N: 0.013000                    0.013000                    Outlet Ctrl Spec: Use dc or tw  
Top Clip(in): 0.000                    0.000                    Inlet Ctrl Spec: Use dc  
Bot Clip(in): 0.000                    0.000                    Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular CMP: Mitered to slope

-----  
Name: P38\_2\_P1                    From Node: P38\_2                    Length(ft): 175.00  
Group: PhaseB                    To Node: P38\_1                    Count: 1  
Friction Equation: Automatic  
Solution Algorithm: Most Restrictive  
Flow: Both  
UPSTREAM                    DOWNSTREAM  
Geometry: Circular                    Circular  
Span(in): 30.00                    30.00                    Entrance Loss Coef: -0.20  
Rise(in): 30.00                    30.00                    Exit Loss Coef: 1.00  
Invert(ft): 16.640                    16.200                    Bend Loss Coef: 0.00  
Manning's N: 0.013000                    0.013000                    Outlet Ctrl Spec: Use dc or tw  
Top Clip(in): 0.000                    0.000                    Inlet Ctrl Spec: Use dc  
Bot Clip(in): 0.000                    0.000                    Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

-----  
Name: P38\_3\_P1                    From Node: P38\_3                    Length(ft): 201.00  
Group: PhaseB                    To Node: P38\_2                    Count: 1  
Friction Equation: Automatic  
Solution Algorithm: Most Restrictive  
Flow: Both  
UPSTREAM                    DOWNSTREAM  
Geometry: Circular                    Circular  
Span(in): 30.00                    30.00                    Entrance Loss Coef: -0.50  
Rise(in): 30.00                    30.00                    Exit Loss Coef: 1.00

Invert(ft): 17.140	16.640	Bend Loss Coef: 0.00
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

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-----
Name: P38_4_P1          From Node: P38_4          Length(ft): 375.00
Group: PhaseB          To Node: P38_3          Count: 1
                        UPSTREAM      DOWNSTREAM
                        Circular      Circular
Geometry: Circular
Span(in): 30.00        30.00
Rise(in): 30.00       30.00
Invert(ft): 18.080    17.140
Manning's N: 0.013000 0.013000
Top Clip(in): 0.000   0.000
Bot Clip(in): 0.000   0.000
Friction Equation: Automatic
Solution Algorithm: Most Restrictive
Flow: Both
Entrance Loss Coef: -0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

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Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

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-----
Name: P38_5_P1          From Node: P38_5          Length(ft): 395.00
Group: PhaseB          To Node: P38_4          Count: 1
                        UPSTREAM      DOWNSTREAM
                        Circular      Circular
Geometry: Circular
Span(in): 30.00        30.00
Rise(in): 30.00       30.00
Invert(ft): 19.070    18.080
Manning's N: 0.013000 0.013000
Top Clip(in): 0.000   0.000
Bot Clip(in): 0.000   0.000
Friction Equation: Automatic
Solution Algorithm: Most Restrictive
Flow: Both
Entrance Loss Coef: -0.50
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

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Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

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-----
Name: P38_6_P1          From Node: P38_6          Length(ft): 354.00
Group: PhaseB          To Node: P38_5          Count: 1
                        UPSTREAM      DOWNSTREAM
                        Circular      Circular
Geometry: Circular
Span(in): 30.00        30.00
Rise(in): 30.00       30.00
Invert(ft): 19.950    19.070
Manning's N: 0.013000 0.013000
Top Clip(in): 0.000   0.000
Bot Clip(in): 0.000   0.000
Friction Equation: Automatic
Solution Algorithm: Most Restrictive
Flow: Both
Entrance Loss Coef: -0.20
Exit Loss Coef: 1.00
Bend Loss Coef: 0.00
Outlet Ctrl Spec: Use dc or tw
Inlet Ctrl Spec: Use dc
Stabilizer Option: None

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Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

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-----
Name: POND38_P1        From Node: POND38        Length(ft): 19.00
Group: PhaseB          To Node: P38_6          Count: 1
                        UPSTREAM      DOWNSTREAM
                        Circular      Circular
Geometry: Circular
Friction Equation: Automatic
Solution Algorithm: Most Restrictive
Flow: Both

```

Span(in): 30.00	30.00	Entrance Loss Coef: -0.30
Rise(in): 30.00	30.00	Exit Loss Coef: 1.00
Invert(ft): 20.000	19.950	Bend Loss Coef: 0.00
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Stabilizer Option: None

Upstream FHWA Inlet Edge Description:  
Circular CMP: Mitered to slope

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

==== Channels =====

Name: B0270C	From Node: B0270	Length(ft): 682.20
Group: PhaseB	To Node: B0260	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Irregular	Irregular	Solution Algorithm: Automatic
Invert(ft): 20.868	21.835	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: B0270X2	B0260X	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):		

Name: B0280C	From Node: B0280	Length(ft): 1100.00
Group: PhaseB	To Node: B0270	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft): 21.000	21.000	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): 10.000	10.000	
LtSdSlp(h/v): 3.00	3.00	
RtSdSlp(h/v): 3.00	3.00	

Name: B0326aC	From Node: B0326a	Length(ft): 350.00
Group: PhaseB	To Node: B0325	Count: 1
UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Trapezoidal	Trapezoidal	Solution Algorithm: Automatic
Invert(ft): 21.500	21.500	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): 12.000	12.000	
LtSdSlp(h/v): 2.00	2.00	
RtSdSlp(h/v): 2.00	2.00	

=====  
Drop Structures  
=====

Name: BB\_DS1                      From Node: BBE\_Pond                      Length(ft): 66.00  
Group: PhaseB                      To Node: B0325                      Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 24.00	24.00	Flow: Both
Rise(in): 24.00	24.00	Entrance Loss Coef: 0.500
Invert(ft): 22.500	22.000	Exit Loss Coef: 0.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

\*\*\* Weir 1 of 3 for Drop Structure BB\_DS1 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 49.00	Invert(ft): 26.000	
Rise(in): 31.00	Control Elev(ft): 26.000	

\*\*\* Weir 2 of 3 for Drop Structure BB\_DS1 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.000	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 49.00	Invert(ft): 28.750	
Rise(in): 37.00	Control Elev(ft): 28.750	

\*\*\* Weir 3 of 3 for Drop Structure BB\_DS1 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Horizontal	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Circular	Orifice Disc Coef: 0.600	
Span(in): 6.00	Invert(ft): 23.000	
Rise(in): 6.00	Control Elev(ft): 24.000	

Name: P26\_DS1                      From Node: POND26                      Length(ft): 70.00  
Group: PhaseB                      To Node: B0270                      Count: 1

UPSTREAM	DOWNSTREAM	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 18.00	18.00	Flow: Both
Rise(in): 18.00	18.00	Entrance Loss Coef: 0.500
Invert(ft): 22.500	22.000	Exit Loss Coef: 0.000
Manning's N: 0.013000	0.013000	Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000	0.000	Solution Incs: 10

Upstream FHWA Inlet Edge Description:  
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:  
Circular CMP: Mitered to slope

\*\*\* Weir 1 of 3 for Drop Structure P26\_DS1 \*\*\*

Count: 1	Bottom Clip(in): 0.000	TABLE
Type: Vertical: Mavis	Top Clip(in): 0.000	
Flow: Both	Weir Disc Coef: 3.200	
Geometry: Rectangular	Orifice Disc Coef: 0.600	
Span(in): 37.00	Invert(ft): 26.500	
Rise(in): 24.00	Control Elev(ft): 26.500	

\*\*\* Weir 2 of 3 for Drop Structure P26\_DS1 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
Type: Horizontal Top Clip(in): 0.000  
Flow: Both Weir Disc Coef: 3.000  
Geometry: Rectangular Orifice Disc Coef: 0.600  
  
Span(in): 37.00 Invert(ft): 28.670  
Rise(in): 24.00 Control Elev(ft): 28.670

\*\*\* Weir 3 of 3 for Drop Structure P26\_DS1 \*\*\*

TABLE

Count: 1 Bottom Clip(in): 0.000  
Type: Horizontal Top Clip(in): 0.000  
Flow: Both Weir Disc Coef: 3.200  
Geometry: Circular Orifice Disc Coef: 0.600  
  
Span(in): 6.00 Invert(ft): 23.000  
Rise(in): 6.00 Control Elev(ft): 24.000

=====  
Weirs =====  
=====

Name: B0260W1 From Node: B0260  
Group: PhaseB To Node: B0250  
Flow: Both Count: 1  
Type: Vertical: Fread Geometry: Irregular

XSec: B0260W1  
Invert(ft): 25.000  
Control Elevation(ft): 0.000  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.800  
Orifice Discharge Coef: 0.600

-----  
Name: B0265W1 From Node: B0265  
Group: PhaseB To Node: B0260  
Flow: Both Count: 1  
Type: Vertical: Fread Geometry: Irregular

XSec: B0265W1  
Invert(ft): 27.000  
Control Elevation(ft): 0.000  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.500  
Orifice Discharge Coef: 0.600

-----  
Name: B0275W1 From Node: B0275  
Group: PhaseB To Node: B0270  
Flow: Both Count: 1  
Type: Vertical: Fread Geometry: Irregular

XSec: B0275W1  
Invert(ft): 25.776  
Control Elevation(ft): 0.000  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000  
Top Clip(ft): 0.000  
Weir Discharge Coef: 2.800  
Orifice Discharge Coef: 0.600

-----  
Name: B0323W4 From Node: B0323  
Group: PhaseB To Node: B0340  
Flow: Both Count: 1  
Type: Vertical: Fread Geometry: Trapezoidal

Bottom Width(ft): 50.00  
Left Side Slope(h/v): 10.00  
Right Side Slope(h/v): 10.00  
Invert(ft): 31.000  
Control Elevation(ft): 31.000  
Struct Opening Dim(ft): 9999.00

TABLE

Bottom Clip(ft): 0.000



Top Clip(ft): 0.000  
Weir Discharge Coef: 2.400  
Orifice Discharge Coef: 0.600

=====  
==== Hydrology Simulations =====  
=====

Name: 002YR24HR\_PRb  
Filename: M:\OC\_Phase2\ICPR\Design\FEMA\_PhaseB\002YR24HR\_PRb.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount(in): 5.00

Time(hrs)	Print Inc(min)
72.000	5.00

Name: 010YR24HR\_PRb  
Filename: M:\OC\_Phase2\ICPR\Design\FEMA\_PhaseB\010YR24HR\_PRb.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount(in): 7.50

Time(hrs)	Print Inc(min)
72.000	5.00

Name: 025YR24HR\_PRb  
Filename: M:\OC\_Phase2\ICPR\Design\FEMA\_PhaseB\025YR24HR\_PRb.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount(in): 9.00

Time(hrs)	Print Inc(min)
72.000	5.00

Name: 050YR24HR\_PRb  
Filename: M:\OC\_Phase2\ICPR\Design\FEMA\_PhaseB\050YR24HR\_PRb.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount(in): 10.00

Time(hrs)	Print Inc(min)
72.000	5.00

Name: 100YR24HR\_PRb  
Filename: M:\OC\_Phase2\ICPR\Design\FEMA\_PhaseB\100YR24HR\_PRb.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount(in): 11.00

Time(hrs)	Print Inc(min)
72.000	5.00

Name: 500YR24HR\_PRb  
Filename: M:\OC\_Phase2\ICPR\Design\FEMA\_PhaseB\500YR24HR\_PRb.R32

Override Defaults: Yes  
Storm Duration(hrs): 24.00  
Rainfall File: Flmod  
Rainfall Amount(in): 13.30

Time(hrs)	Print Inc(min)
72.000	5.00

=====  
==== Routing Simulations =====  
=====

Name: 002YR24HR\_PRb Hydrology Sim: 002YR24HR\_PRb  
Filename: M:\OC\_Phase2\Permits\FEMA\2014\_0930\_Submittal\_Package\Models\3-Proposed\_Phase B\002YR24HR\_PRb.I32

Execute: No Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000  
Boundary Stages: 002YR24HR Boundary Flows:

Ormond Crossing - Existing Conditions  
Mean Annual Storm - FLMOD Rainfall Distribution  
FEMA Based Tailwater at Sweetwater Branch - Overland Weir Coefficient Reduction

Time(hrs) Print Inc(min)  
-----  
999.000 15.000

Group Run  
-----  
BASE Yes  
BNDY Yes  
DD Yes  
GROOVER Yes  
HUNTERS RIDGE Yes  
MitBank Yes  
ORMOND\_A Yes  
ORMOND\_B Yes  
ORMOND\_C Yes  
ORMOND\_D Yes  
ORMOND\_E Yes  
ORMOND\_F Yes  
ORMOND\_N Yes  
PhaseB Yes

Name: 010Y24\_B2 Hydrology Sim: 010Y24\_B2  
Filename: M:\OC\_Phase2\Permits\FEMA\2014\_0930\_Submittal\_Package\Models\3-Proposed\_Phase B\010Y24\_B2.I32

Execute: No Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 36.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000  
Boundary Stages: 010YR24HR Boundary Flows:

Ormond Crossing - Phase B - Option 2  
10-Year 24-Hour - FLMOD Rainfall Distribution  
FEMA Based Tailwater at Sweetwater Branch - Overland Weir Coefficient Reduction

Time(hrs) Print Inc(min)  
-----  
999.000 15.000

Group Run  
-----  
BASE Yes  
BNDY Yes  
DD Yes  
ORMOND\_A Yes  
ORMOND\_B Yes  
ORMOND\_C Yes  
ORMOND\_N Yes  
PhaseB Yes

Name: 010YR24HR\_PRb Hydrology Sim: 010YR24HR\_PRb  
Filename: M:\OC\_Phase2\Permits\FEMA\2014\_0930\_Submittal\_Package\Models\3-Proposed\_Phase B\010YR24HR\_PRb.I32

Execute: No Restart: No Patch: No  
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000  
Boundary Stages: 010YR24HR Boundary Flows:

Ormond Crossing - Existing Conditions  
10-Year 24-Hour - FLMOD Rainfall Distribution  
FEMA Based Tailwater at Sweetwater Branch - Overland Weir Coefficient Reduction

Time (hrs)      Print Inc (min)  
-----  
999.000        15.000

Group            Run  
-----  
BASE            Yes  
BNDY            Yes  
DD               Yes  
GROOVER        Yes  
HUNTERS RIDGE   Yes  
MitBank        Yes  
ORMOND\_A       Yes  
ORMOND\_B       Yes  
ORMOND\_C       Yes  
ORMOND\_D       Yes  
ORMOND\_E       Yes  
ORMOND\_F       Yes  
ORMOND\_N       Yes  
PhaseB         Yes

Name: 025Y24\_B2                    Hydrology Sim: 025Y24\_B2  
Filename: M:\OC\_Phase2\Permits\FEMA\2014\_0930\_Submittal\_Package\Models\3-Proposed\_Phase B\025Y24\_B2.I32

Execute: No            Restart: No            Patch: No  
Alternative: No

Max Delta Z (ft): 1.00                    Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time (hrs): 0.000                    End Time (hrs): 36.00  
Min Calc Time (sec): 0.5000                Max Calc Time (sec): 60.0000  
Boundary Stages: 025YR24HR                Boundary Flows:

Ormond Crossing - Phase B - Option 2  
25-Year 24-Hour - FLMOD Rainfall Distribution  
FEMA Based Tailwater at Sweetwater Branch - Overland Weir Coefficient Reduction

Time (hrs)      Print Inc (min)  
-----  
999.000        15.000

Group            Run  
-----  
BASE            Yes  
BNDY            Yes  
DD               Yes  
ORMOND\_A       Yes  
ORMOND\_B       Yes  
ORMOND\_C       Yes  
ORMOND\_N       Yes  
PhaseB         Yes

Name: 025YR24HR\_PRb                Hydrology Sim: 025YR24HR\_PRb  
Filename: M:\OC\_Phase2\Permits\FEMA\2014\_0930\_Submittal\_Package\Models\3-Proposed\_Phase B\025YR24HR\_PRb.I32

Execute: No            Restart: No            Patch: No  
Alternative: No

Max Delta Z (ft): 1.00                    Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time (hrs): 0.000                    End Time (hrs): 72.00  
Min Calc Time (sec): 0.5000                Max Calc Time (sec): 60.0000  
Boundary Stages: 025YR24HR                Boundary Flows:

Ormond Crossing - Existing Conditions  
25-Year 24-Hour - FLMOD Rainfall Distribution  
FEMA Based Tailwater at Sweetwater Branch - Overland Weir Coefficient Reduction

Time (hrs)      Print Inc (min)  
-----  
999.000        15.000

Group            Run  
-----  
BASE            Yes  
BNDY            Yes  
DD               Yes  
GROOVER        Yes  
HUNTERS RIDGE   Yes  
MitBank        Yes  
ORMOND\_A       Yes  
ORMOND\_B       Yes

ORMOND\_C Yes  
ORMOND\_D Yes  
ORMOND\_E Yes  
ORMOND\_F Yes  
ORMOND\_N Yes  
PhaseB Yes

Name: 050YR24HR\_PRb Hydrology Sim: 050YR24HR\_PRb  
Filename: M:\OC\_Phase2\Permits\FEMA\2014\_0930\_Submittal\_Package\Models\3-Proposed\_Phase B\050YR24HR\_PRb.I32

Execute: No Restart: No Patch: No  
Alternative: No  
Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 72.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000  
Boundary Stages: 050YR24HR Boundary Flows:

Ormond Crossing - Existing Conditions  
50-Year 24-Hour - FLMOD Rainfall Distribution  
FEMA Based Tailwater at Sweetwater Branch - Overland Weir Coefficient Reduction

Time(hrs)	Print Inc(min)
999.000	15.000

Group	Run
BASE	Yes
BNDY	Yes
DD	Yes
GROOVER	Yes
HUNTERS RIDGE	Yes
MitBank	Yes
ORMOND_A	Yes
ORMOND_B	Yes
ORMOND_C	Yes
ORMOND_D	Yes
ORMOND_E	Yes
ORMOND_F	Yes
ORMOND_N	Yes
PhaseB	Yes

Name: 100Y24\_B2 Hydrology Sim: 100Y24\_B2  
Filename: M:\OC\_Phase2\Permits\FEMA\2014\_0930\_Submittal\_Package\Models\3-Proposed\_Phase B\100Y24\_B2.I32

Execute: No Restart: No Patch: No  
Alternative: No  
Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500  
Time Step Optimizer: 10.000  
Start Time(hrs): 0.000 End Time(hrs): 48.00  
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000  
Boundary Stages: 100YR24HR Boundary Flows:

Ormond Crossing - Phase B - Option 2  
100-Year 24-Hour - FLMOD Rainfall Distribution  
FEMA Based Tailwater at Sweetwater Branch - Overland Weir Coefficient Reduction

Time(hrs)	Print Inc(min)
999.000	15.000

Group	Run
BASE	Yes
BNDY	Yes
DD	Yes
ORMOND_A	Yes
ORMOND_B	Yes
ORMOND_C	Yes
ORMOND_N	Yes
PhaseB	Yes

Name: 100YR24HR\_PRb Hydrology Sim: 100YR24HR\_PRb  
Filename: M:\OC\_Phase2\Permits\FEMA\2014\_0930\_Submittal\_Package\Models\3-Proposed\_Phase B\100YR24HR\_PRb.I32

Execute: Yes Restart: No Patch: Yes  
Alternative: No  
Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500

Time Step Optimizer: 10.000  
 Start Time (hrs): 0.000                      End Time (hrs): 72.00  
 Min Calc Time (sec): 0.5000                Max Calc Time (sec): 60.0000  
 Boundary Stages: 100YR24HR                Boundary Flows:

Ormond Crossing - Existing Conditions  
 100-Year 24-Hour - FLMOD Rainfall Distribution  
 FEMA Based Tailwater at Sweetwater Branch - Overland Weir Coefficient Reduction

Time (hrs)            Print Inc (min)  
 -----  
 999.000            15.000

Group	Run
BASE	Yes
BNDY	No
DD	No
GROOVER	No
HUNTERS RIDGE	No
MitBank	No
ORMOND_A	No
ORMOND_B	Yes
ORMOND_C	No
ORMOND_D	No
ORMOND_E	No
ORMOND_F	No
ORMOND_N	No
PhaseB	Yes

Name: 500YR24HR\_PRb            Hydrology Sim: 500YR24HR\_PRb  
 Filename: M:\OC\_Phase2\Permits\FEMA\2014\_0930\_Submittal\_Package\Models\3-Proposed\_Phase B\500YR24HR\_PRb.I32

Execute: No                      Restart: No                      Patch: No  
 Alternative: No

Max Delta Z (ft): 1.00                      Delta Z Factor: 0.00500  
 Time Step Optimizer: 10.000  
 Start Time (hrs): 0.000                      End Time (hrs): 72.00  
 Min Calc Time (sec): 0.5000                Max Calc Time (sec): 60.0000  
 Boundary Stages: 500YR24HR                Boundary Flows:

Ormond Crossing - Existing Conditions  
 500-Year 24-Hour - FLMOD Rainfall Distribution  
 FEMA Based Tailwater at Sweetwater Branch - Overland Weir Coefficient Reduction

Time (hrs)            Print Inc (min)  
 -----  
 999.000            15.000

Group	Run
BASE	Yes
BNDY	Yes
DD	Yes
GROOVER	Yes
HUNTERS RIDGE	Yes
MitBank	Yes
ORMOND_A	Yes
ORMOND_B	Yes
ORMOND_C	Yes
ORMOND_D	Yes
ORMOND_E	Yes
ORMOND_F	Yes
ORMOND_N	Yes
PhaseB	Yes