VOID

(1) STA. 3277+94.72
36" RCP
AREA= 16.780 AC
RUNOFF COEFFICIENTS
C_{BEFORE} = 0.59
C_{AFTER} = 0.66

PRE CONSTRUCTION:
Q_{50} = 94.805 CFS
Q_{100} = 103.424 CFS
HW_{50} = 1053.31'
HW_{100} = 1054.67'
V_{50} = 8.25 FPS
V_{100} = 8.44 FPS

POST CONSTRUCTION:
Q_{50} = 109.641 CFS
Q_{100} = 119.608 CFS
HW_{50} = 1063.09'
HW_{100} = 1064.90'
V_{50} = 8.58 FPS
V_{100} = 8.78 FPS

(2) STA. 3282+00.82
48" RCP
AREA= 23.331 AC
RUNOFF COEFFICIENTS
C_{BEFORE} = 0.45
C_{AFTER} = 0.51

PRE CONSTRUCTION:
Q_{50} = 90.120 CFS
Q_{100} = 98.313 CFS
HW_{50} = 1040.19'
HW_{100} = 1040.56'
V_{50} = 8.14 FPS
V_{100} = 8.33 FPS

POST CONSTRUCTION:
Q_{50} = 117.798 CFS
Q_{100} = 128.507 CFS
HW_{50} = 1047.10'
HW_{100} = 1047.75'
V_{50} = 8.74 FPS
V_{100} = 8.95 FPS

(3) STA. 3282+00.82
18" RCP
AREA= 3.141 AC
RUNOFF COEFFICIENTS
C_{BEFORE} = 0.47
C_{AFTER} = 0.54

PRE CONSTRUCTION:
Q_{50} = 9.064 CFS
Q_{100} = 9.888 CFS
HW_{50} = 1045.37'
HW_{100} = 1045.56'
V_{50} = 4.13 FPS
V_{100} = 4.25 FPS

POST CONSTRUCTION:
Q_{50} = 16.782 CFS
Q_{100} = 18.318 CFS
HW_{50} = 1049.85'
HW_{100} = 1050.53'
V_{50} = 5.02 FPS
V_{100} = 5.15 FPS

(4) STA. 3283+44.21
48" RCP
AREA= 63.764 AC
RUNOFF COEFFICIENTS
C_{BEFORE} = 0.56
C_{AFTER} = 0.57

PRE CONSTRUCTION:
Q_{50} = 270.192 CFS
Q_{100} = 294.755 CFS
HW_{50} = 1056.61'
HW_{100} = 1056.64'
V_{50} = 10.88 FPS
V_{100} = 11.13 FPS

POST CONSTRUCTION:
Q_{50} = 359.820 CFS
Q_{100} = 392.531 CFS
HW_{50} = 1056.80'
HW_{100} = 1056.83'
V_{50} = 11.71 FPS
V_{100} = 11.98 FPS

DRAINAGE AREA	AREA ACRES
2	221.304
5	6.577
6	0.316
7	1.579
8	0.881
9	1.250
10	0.877
11	0.710
12	1.735
13	0.274
14	0.502
15	1.389
16	0.686

DRAINAGE AREA	AREA ACRES
17	0.459
18	0.439
19	0.606
20	0.738
21	0.324
22	1.440
31	0.238
42	0.291
43	0.326
44	9.970
45	59.285
46	0.292
47	0.351

DRAINAGE AREA	AREA ACRES
48	0.284
49	0.274
50	0.279
51	0.234
52	0.373
53	0.338
54	0.382
55	0.434
64	0.810
65	0.214
66	0.912
67	0.582
68	0.607

DRAINAGE AREA	AREA ACRES
69	0.431
70	6.665
73	0.642
74	0.223
75	0.161
76	1.307
77	0.147
78	0.329
79	0.730
80	0.215
81	0.875
82	0.956
83	1.020

DRAINAGE AREA	AREA ACRES
84	0.939
85	0.242
86	2.371
87	0.857
88	1.130
89	0.270
90	1.039
91	2.101
92	1.172
93	4.139
94	0.656
101	25.451
160	12.930
162	0.428

STRUCTURE NUMBER	STRUCTURE SIZE	AREAS CONTRIBUTING	TOTAL AREA ACRES	Q_{10}(CFS)
E22	18"	22	1.440	6.667
E23	18"	20, 22	2.178	10.608
E24	18"	21	0.324	1.629
E25	EXIST. 36"	16, 20, 21, 22	3.189	16.102
E29	EXIST. 36"	15, 16, 20, 21, 22	4.578	20.963
E30	18"	13	0.274	1.773
E31	EXIST. 36"	13, 14, 15, 16, 20, 21, 22	5.354	25.898
E32	18"	19	0.606	3.718
E33	18"	18, 19	1.045	6.972
E34	36"	13, 14, 15, 16, 17, 18, 19, 20, 21, 22	6.858	36.254
E76	EXIST. 36"	13, 14, 15, 16, 17, 18, 19, 20, 21, 22	6.858	36.254
E35	18"	11	0.710	4.240
E36	18"	11, 162	1.138	6.935
E67	EXIST. 15"	10	0.877	3.084
E71	18"	12	1.735	10.553
E72	18"	9, 12	2.985	19.023
F3	18"	82	0.956	3.343
F4	18"	81, 82	1.831	8.463
EXIST. WEIR	EXIST. 36"	64, 65, 66, 67, 68, 69, 70, 71, 79, 80	11.977	37.368
F4	36"	64, 65, 66, 67, 68, 69, 70, 71, 79, 80	11.977	37.368
F6	18"	89	0.270	1.404

STRUCTURE NUMBER	STRUCTURE SIZE	AREAS CONTRIBUTING	TOTAL AREA ACRES	Q_{10}(CFS)
F7	36"	50, 51, 64, 65, 66, 67, 68, 69, 70, 71, 79, 80, 84, 89	13.699	56.672
F8	EXIST. 36"	50, 51, 64, 65, 66, 67, 68, 69, 70, 71, 79, 80, 83, 84, 89	14.719	62.274
F9	36"	50, 51, 64, 65, 66, 67, 68, 69, 70, 71, 79, 80, 81, 82, 83, 84, 85, 89	16.792	72.101
CD 29	42"	50, 51, 64, 65, 66, 67, 68, 69, 70, 71, 79, 80, 81, 82, 83, 84, 85, 86, 89	19.163	81.330
CD 30	36"	43, 44, 46, 47, 48, 49	11.497	35.871
EXIST. WEIR	EXIST. 48"	160	12.930	40.342
F19	48"	72, 73, 74, 75, 76, 77, 78, 93, 160	20.172	62.937
F20	18"	92	1.172	6.549
F21	EXIST. 48"	72, 73, 74, 75, 76, 77, 78, 88, 92, 93, 160	22.474	87.161
F22	48"	72, 73, 74, 75, 76, 77, 78, 87, 88, 92, 93, 160	23.331	91.890
F56	48"	94-107, 115-136, 163	64.112	257.092
F61	18"	91	2.101	7.409
F62	18"	90, 91	3.140	13.233
M9	18"	48	0.284	1.802
M10	18"	48, 49	0.558	3.507
M11	18"	46	0.292	1.743
M12	18"	46, 47, 48, 49	1.201	7.064
M18	18"	50	0.279	1.930
M19	18"	50, 51	0.513	3.591
M21	18"	53	0.338	2.015

STRUCTURE NUMBER	STRUCTURE SIZE	AREAS CONTRIBUTING	TOTAL AREA ACRES	Q_{10}(CFS)
M22	18"	52, 53	0.711	4.109
M36	EXIST. 18"	64	0.810	3.321
M37	EXIST. 18"	64, 66	1.722	9.058
M41	18"	72, 73	0.936	3.302
M42	18"	72, 73, 74	1.159	4.852
M44	18"	72, 73, 74, 75	1.320	5.934
M45	18"	72, 73, 74, 75, 77	1.467	6.724
M46	18"	76	1.307	7.745
M47	18"	72, 73, 74, 75, 76, 77, 78	3.103	16.735
M48	EXIST. 48"	72, 73, 74, 75, 76, 77, 78, 160	16.033	57.077
M49	48"	72, 73, 74, 75, 76, 77, 78, 160	16.033	57.077
M51	18"	68	0.607	3.048
M52	18"	67	0.582	3.708
M53	EXIST. 24"	67, 68	1.189	6.756
M55	18"	69	0.431	1.796
M56	EXIST. 24"	67, 68, 69	1.620	8.552
M57	EXIST. 18"	80	0.215	1.066
M58	EXIST. 24"	67, 68, 69, 79, 80	2.565	14.078
M59	EXIST. 18"		1.364	8.918
M60	EXIST. 18"	31	1.602	10.258

GEORGIA REGISTERED No. 30086 PROFESSIONAL ENGINEER MICHAEL R. MOSELEY, JR. 5/10/2011

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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY

EROSION CONTROL DRAINAGE AREA MAP

SR 316

DRAWING No. 53-03A

3/1/2007 GPLN