10/1/2010	Fri Oct 01 09:06:50 2010	\\Gdot-dsn1\GOCFG\resources\Gdot2007_Klp.TBL	m:\M003340 - Sta. 1000+00 to Sta. 1226+22\DGN\M003340ED01-3.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
jotaylor				GA	M004205-CST	263B	302

USE ON CONSTRUCTION

MATCHLINE - STA. 1143+00 (SEE DRAWING 53-02)

STA. 1144+33 LEFT
(NORTH FLOW)
DITCH OUTFALL
DRAINAGE AREA = 0.25 AC
DISTURBED AREA = 0.25 AC
C(PRE-CONSTRUCTION) = 0.60
C(POST-CONSTRUCTION) = 0.60
Q50 = 1.41 CFS
Q100 = 1.60 CFS
V50 = 1.34 FT/S
V100 = 1.40 FT/S

STA. 1144+33 LEFT
(SOUTH FLOW)
DITCH OUTFALL
DRAINAGE AREA = 0.41 AC
DISTURBED AREA = 0.41 AC
C(PRE-CONSTRUCTION) = 0.52
C(POST-CONSTRUCTION) = 0.52
Q50 = 3.01 CFS
Q100 = 3.39 CFS
V50 = 1.71 FT/S
V100 = 1.77 FT/S

STA. 1160+00 RIGHT
DITCH OUTFALL
DRAINAGE AREA = 5.45 AC
DISTURBED AREA = 4.69 AC
C(PRE-CONSTRUCTION) = 0.52
C(POST-CONSTRUCTION) = 0.52
Q50 = 42.67 CFS
Q100 = 48.33 CFS
V50 = 2.44 FT/S
V100 = 2.52 FT/S

STA. 1163+00 LEFT
DITCH OUTFALL
DRAINAGE AREA = 1.65 AC
DISTURBED AREA = 1.65 AC
C(PRE-CONSTRUCTION) = 0.59
C(POST-CONSTRUCTION) = 0.59
Q50 = 9.15 CFS
Q100 = 10.36 CFS
V50 = 3.79 FT/S
V100 = 3.93 FT/S

STA. 1163+19 TO 1168+00 LEFT
SHEET FLOW
DRAINAGE AREA = 0.66 AC
DISTURBED AREA = 0.66 AC
C(PRE-CONSTRUCTION) = 0.77
C(POST-CONSTRUCTION) = 0.77
Q50 = 5.66 CFS
Q100 = 6.37 CFS

STA. 1168+50 MEDIAN
DITCH OUTFALL
DRAINAGE AREA = 0.65 AC
DISTURBED AREA = 0.42 AC
C(PRE-CONSTRUCTION) = 0.85
C(POST-CONSTRUCTION) = 0.85
Q50 = 6.39 CFS
Q100 = 7.24 CFS
V50 = 1.68 FT/S
V100 = 1.74 FT/S

STA. 1177+50 TO 1191+50
SHEET FLOW
DRAINAGE AREA = 1.92 AC
DISTURBED AREA = 1.92 AC
C(PRE-CONSTRUCTION) = 0.76
C(POST-CONSTRUCTION) = 0.76
Q50 = 13.78
Q100 = 15.61

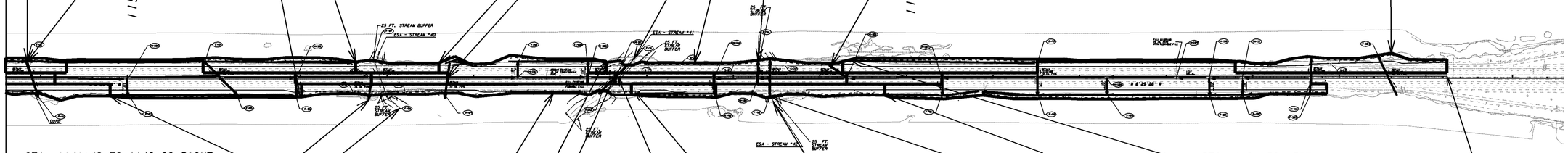
STA. 1186+40 RIGHT
STRUCTURE F-94 OUTFALL
SKEW ANGLE = 90°
STRUCTURE SIZE = 18"
DRAINAGE AREA = 0.76 AC
DISTURBED AREA = 0.47 AC
POST CONSTRUCTION INFO:
C = 0.85
Q50 = 6.03 CFS
Q100 = 6.90 CFS
V50 = 12.31 FT/S
V100 = 15.29 FT/S

STA. 1191+52 LEFT
STRUCTURE OUTFALL
SKEW ANGLE = 37.2°
STRUCTURE SIZE = 15"
DRAINAGE AREA = 0.81 AC
DISTURBED AREA = 0.50 AC
PRE-CONSTRUCTION INFO:
C =
Q50 = 5.70 CFS
Q100 = 6.46 CFS
V50 = 8.55 FT/S
V100 = 8.80 FT/S
POST CONSTRUCTION INFO:
C = 0.75
Q50 = 5.70 CFS
Q100 = 6.46 CFS
V50 = 8.55 FT/S
V100 = 8.80 FT/S

STA. 1214+00 TO 1226+22 LEFT
SHEET FLOW
DRAINAGE AREA = 2.25 AC
DISTURBED AREA = 2.25 AC
C(PRE-CONSTRUCTION) = 0.88
C(POST-CONSTRUCTION) = 0.88
Q50 = 15.77 CFS
Q100 = 17.74 CFS

ESA - STREAM 41

1145+00 1150+00 1155+00 1160+00 1165+00 1170+00 1175+00 1180+00 1185+00 1190+00 1195+00 1200+00 1205+00 1210+00 1215+00 1220+00 1225+00 1230+00



STA. 1141+49 TO 1149+00 RIGHT
SHEET FLOW
DRAINAGE AREA = 1.15 AC
DISTURBED AREA = 1.15 AC
C(PRE-CONSTRUCTION) = 0.65
C(POST-CONSTRUCTION) = 0.65
Q50 = 8.32 CFS
Q100 = 9.36 CFS

STA. 1163+94 RIGHT
STRUCTURE OUTFALL
SKEW ANGLE = 90°
STRUCTURE SIZE = 15"
DRAINAGE AREA = 0.64 AC
DISTURBED AREA = 0.40 AC
PRE-CONSTRUCTION INFO:
C = 0.74
Q50 = 5.26 CFS
Q100 = 5.92 CFS
V50 = 12.17 FT/S
V100 = 12.57 FT/S
POST CONSTRUCTION INFO:
C = 0.74
Q50 = 5.26 CFS
Q100 = 5.92 CFS
V50 = 12.17 FT/S
V100 = 12.57 FT/S

ESA - STREAM 40

STA. 1160+00 TO 1179+13 RIGHT
SHEET FLOW
DRAINAGE AREA = 2.55 AC
DISTURBED AREA = 2.55 AC
C(PRE-CONSTRUCTION) = 0.78
C(POST-CONSTRUCTION) = 0.78
Q50 = 22.30 CFS
Q100 = 25.08 CFS

STA. 1177+50 LEFT
(NORTH FLOW)
DITCH OUTFALL
DRAINAGE AREA = 2.88 AC
DISTURBED AREA = 2.44 AC
C(PRE-CONSTRUCTION) = 0.76
C(POST-CONSTRUCTION) = 0.76
Q50 = 24.27 CFS
Q100 = 27.31 CFS
V50 = 2.97 FT/S
V100 = 3.07 FT/S

STA. 1178+20 MEDIAN
(NORTH FLOW)
DITCH OUTFALL
DRAINAGE AREA = 0.23 AC
DISTURBED AREA = 0.15 AC
C(PRE-CONSTRUCTION) = 0.74
C(POST-CONSTRUCTION) = 0.74
Q50 = 1.89 CFS
Q100 = 2.13 CFS
V50 = 1.51 FT/S
V100 = 1.57FT/S

ESA - STREAM 42

STA. 1179+00 RIGHT
DITCH OUTFALL
DRAINAGE AREA = 1.20 AC
DISTURBED AREA = 1.20 AC
C(PRE-CONSTRUCTION) = 0.76
C(POST-CONSTRUCTION) = 0.76
Q50 = 8.64 CFS
Q100 = 9.79 CFS
V50 = 2.72 FT/S
V100 = 2.81 FT/S

STA. 1178+20 MEDIAN
(SOUTH FLOW)
DITCH OUTFALL
DRAINAGE AREA = 0.83 AC
DISTURBED AREA = 0.52 AC
C(PRE-CONSTRUCTION) = 0.83
C(POST-CONSTRUCTION) = 0.83
Q50 = 5.84 CFS
Q100 = 6.62 CFS
V50 = 1.83 FT/S
V100 = 1.89 FT/S

STA. 1191+50 LEFT
DITCH OUTFALL
DRAINAGE AREA = 2.14 AC
DISTURBED AREA = 2.14 AC
C(PRE-CONSTRUCTION) = 0.59
C(POST-CONSTRUCTION) = 0.59
Q50 = 11.84 CFS
Q100 = 13.41 CFS
V50 = 4.26 FT/S
V100 = 4.42 FT/S

STA. 1194+00 RIGHT
DITCH OUTFALL
DRAINAGE AREA = 9.80 AC
DISTURBED AREA = 9.12 AC
C(PRE-CONSTRUCTION) = 0.71
C(POST-CONSTRUCTION) = 0.71
Q50 = 65.82 CFS
Q100 = 74.55 CFS
V50 = 6.78 FT/S
V100 = 7.00 FT/S

STA. 1184+00 TO 1193+75 RIGHT
SHEET FLOW
DRAINAGE AREA = 0.45 AC
DISTURBED AREA = 0.45 AC
C(PRE-CONSTRUCTION) = 0.75
C(POST-CONSTRUCTION) = 0.75
Q50 = 3.78 CFS
Q100 = 4.26 CFS

END PROJECT
M004205-CST
STA. 1226+22.00
INTERSTATE 75

PROJECT TOTAL AREA = 106.50 ACRES
PROJECT TOTAL DISTURBED AREA = 94.39 ACRES

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

SCALE IN FEET
0 300 600 1200

REVISION DATES		
09-14-2010		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN

EROSION CONTROL DRAINAGE AREA MAP

M004205-CST

DRAWING NO. 53-03

1/5/2009 GPLN