VOID

MONITORING GENERAL NOTES:

The total site size is 50.86 acres. Representative sampling may be utilized on this project. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10, 10 being the most erodible soil. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/safty. The disturbed area are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal if it is less than or equal to 0.03 and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and ESPCP, the Department has determined that representative sampling is valid valid for the duration of the project. The table below shows the groups of similar outfall drainage basins. The increase in turbidity at the specified locations will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative monitored feature are identified in the table below.

MONITORING SITE	PRIMARY OR ALTERNATE SITE	LOCATION (STATION AND SIDE)	NAME OF RECEIVING WATER	APPLICABLE CONSTRUCTION STAGE FOR CONSTRUCTION	SAMPLING TYPE (OUTFALL OR RECEIVING WATER)	DRAINAGE AREA (FOR THE RECEIVING WATER) (sq. miles)	SITE SIZE (acres)	WARM OR COLD WATER STREAM?	APPENDIX B NTU VALUE (OUTFALL MONITORING ONLY)	ALLOWABLE NTU INCREASE (FOR RECEIVING WATER)	LOCATION DESCRIPTION
1	PRIMARY	STA.125+10 LT & STA. 124+90 RT	EAST NEWNAN LAKE	1 & 2	RECEIVING WATER	0.23	50.86	WARM	N/A	25	DOUBLE 9 FT X 5 FT BOX CULVERT 105 FT, LT DOWNSTREAM; 135 FT, RT UPSTREAM
2	ALTERNATE	STA.148+59 LT & STA. 149+13 RT	TRIBUTARY OF TURKEY CREEK	1 & 2	RECEIVING WATER	1.51	50.86	WARM	N/A	25	DOUBLE 10 FT X 10 FT BOX CULVERT 145 FT, LT UPSTREAM; 130 FT, RT DOWNSTREAM
3	ALTERNATE	STA.159+39 LT & STA. 158+40 RT	TURKEY CREEK	1 & 2	RECEIVING WATER	1.19	50.86	WARM	N/A	25	DOUBLE 10 FT X 10 FT BOX CULVERT 100 FT, LT UPSTREAM; 100 FT, RT DOWNSTREAM

The primary monitored features specified should be used as the initial sampling locations. An alternate monitored feature may be used if additional sampling is required or to replace a primary monitored feature that is no longer located within an active phase of construction.

INSPECTING AND SAMPLING PROCRDURES

See Special Provision 167 and other contract documents for the Inspecting and Procedures.

READY MIX CHUTE WASH DOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of Portland cement concrete is prohibited on this site.

In accordance with Standard Specification 107: Legal Regulations and Responsibility to the Public, only the discharge chute utilized in the delivery of Portland cement concrete may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travelled way, including shoulders, for a wash-down pit. The pit shall be large enough to store all wash-down water without overtopping. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above it shall be graded to match the elevation of the surrounding areas. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down pit that includes the following: (1) a location away from any storm drain, stream, or river, (2) access to the vehicle being used for wash down, (3) sufficient volume for wash-down water, and (4) permission to use the area for wash down.

On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the container to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down".

TEMPORARY SEDIMENT BASIN DETAILS:

The table below is provided to show the overall dimensions and significant elevations of each sediment basin. Drainage areas, required sediment storage volumes, and actual sediment basin volumes as measured at the riser crest elevations are shown above. See Construction Detail D-22A and D-22B the ESPCP plan sheets for further clarification on the dimensions listed in this table.

Sediment Basin #	Location (Station and Offset)	Top of Dam Elevation and Width (ft)	Principal Spillway Riser Crest Elevation (ft)	Basin Depth and Riser Height (ft)	Bottom Width (ft)	Bottom Length (ft)	Width at Riser Crest (ft)	Length at Riser Crest (ft)	Effective Length (ft)	Clean Out Elevation (ft)	Emergency Spillway Crest Elevation (ft)	Emergency Spillway Bottom Width (ft)	Q_{25} (cfs)
3	121+00 124 FT RT	915.40 10	912.9	4	27.5	55	47.5	75	55	910.23	913.90	8	27.38
4	133+50 119 FT LT	917.5 10	914	4	21	42	41	62	55	911.33	915	8	18.25
5	147+50 168 FT RT	880 10	877.5	4	17	34	37	54	52	874.83	878.5	8	13.69
6	165+50 163 FT RT	890 10	887.5	4	25	50	45	70	49	884.83	888.5	8	23.83
8	182+00 192 FT RT	937.5 10	935	4	11	22	31	42	50	932.33	936	8	7.61

STORM OUTLET PROTECTION

STATION	OFFSET	PIPE SIZE/DEPTH (FT)	STRUCTURE NUMBER	FLOW RATE 25-YR (CFS)	VELOCITY 25-YR (FPS)	TAILWATER CONDITION	La LENGTH OF APRON (FT)	W1 WIDTH AT HEADWALL (FT)	W2 DOWNSTREAM WIDTH (FT)	d50 RIPRAP SIZE (FT)	D STONE DEPTH (FT)
108+67	58 LT	0.88	DITCH	15.70	3.85	-	17	6	19	0.3	1.5
110+28	58 LT	2.00	B1-B2	15.70	10.50	MIN	17	6	19	0.3	1.5
124+82	64 LT	0.84	DITCH	22.52	5.91	-	17	6	19	0.4	1.5
117+00	56 RT	0.70	DITCH	14.22	4.93	-	17	6	19	0.3	1.5
124+56	84 RT	0.31	DITCH	3.76	4.14	-	6	6	8	0.3	1.5
125+16	74 RT	0.99	DITCH	24.45	4.95	-	17	6	19	0.3	1.5
130+58	66 RT	0.99	DITCH	24.45	4.95	-	17	6	19	0.3	1.5
130+50	83 LT	0.53	DITCH	10.98	5.73	-	16	6	18	0.3	1.5
148+05	105 LT	0.73	DITCH	13.83	4.56	-	16	6	18	0.3	1.5
148+81	119 RT	0.44	DITCH	11.47	8.94	-	15	6	17	0.5	1.5
149+15	110 LT	0.72	DITCH	6.36	2.56	-	10	6	12	0.3	1.5
159+00	95 LT	1.12	DITCH	15.05	3.19	-	17	6	19	0.3	1.5
163+00	84 RT	0.52	DITCH	8.53	5.46	-	12	6	14	0.3	1.5
164+50	91 LT	0.69	DITCH	14.14	6.09	-	17	6	19	0.4	1.5
175+00	72 LT	1.50	N1-N2	5.21	13.25	MIN	9	4.5	10.5	0.7	1.6
181+00	126 LT	1.50	Q1-Q2	8.72	10.20	MIN	9	4.5	10.5	0.5	1.5
180+50	134 RT	4.00	R1-R2	40.88	12.00	MIN	26	12	30	0.8	1.8
181+00	134 RT	0.49	DITCH	8.07	5.49	-	12	6	14	0.3	1.5
-	-	EXIST DBL 24	Railroad	-	-	-	-	-	-	-	-
-	-	EXIST 30	Pond	-	-	-	-	-	-	-	-
185+15	125 LT	1.50	DITCH	3.78	3.59	-	9	6	11	0.3	1.5
189+41	98 RT	2.00	U1-U3	7.57	4.92	MIN	12	6	14	0.3	1.5
-	-	0.64	DITCH	5.72	2.29	-	10	6	12	0.3	1.5
-	-	0.68	DITCH	14.34	5.18	-	17	6	19	0.3	1.5
34+83 SR 16	62 LT	1.50	X1-X3	3.08	4.30	MIN	9	4.5	10.5	0.3	1.5
100+58	116 RT	2.00	V1-V2	13.10	7.45	MIN	12	6	14	0.4	1.5
-	-	1.50	Y1-Y4	5.14	5.00	MIN	9	4.5	10.5	0.3	1.5
40+42 SR 16	86 LT	2.50	W1-W4	34.59	13.15	MIN	16	7.5	18.5	0.8	1.8
103+77	67 RT	1.50	A1-A2	8.47	7.60	MIN	9	4.5	10.5	0.4	1.5
102+86	60 LT	0.34	DITCH	3.75	3.72	-	6	6	8	0.3	1.5
-	-	REMOVED	-	-	-	-	-	-	-	-	-
-	-	REMOVED	-	-	-	-	-	-	-	-	-
125+00	LT & RT	DOUBLE 9'x5' BOX CULVERT	F1-F2	-	-	-	SPECIAL DESIGN	-	-	-	-
149+13	LT & RT	DOUBLE 10'x10' BOX & QUAD 48" OF	J1-J2	-	-	-	SPECIAL DESIGN	-	-	-	-
148+86	LT & RT	DOUBLE 10'x10' BOX & QUAD 48" OF	K1-K2	-	-	-	SPECIAL DESIGN	-	-	-	-
108+60	50 RT	1.50	C1-C2	1.62	5.7	MIN	9	4.5	10.5	0.3	1.5
114+57	51 RT	1.50	D1-D2	1.75	6	MIN	9	4.5	10.5	0.3	1.5
115+69	49 RT	1.50	E1-E2	0.84	4.7	MIN	9	4.5	10.5	0.3	1.5
131+00	64 LT	1.50	G2-G3	1.65	8.7	MIN	9	4.5	10.5	0.3	1.5
134+00	50 LT	1.50	H1-H2	1	4.7	MIN	9	4.5	10.5	0.3	1.5
142+06	24 RT	1.50	I2-I3	1.59	6	MIN	9	4.5	10.5	0.3	1.5
168+80	80 LT	1.50	L1-L2	0.93	6.6	MIN	9	4.5	10.5	0.3	1.5
170+22	89 LT	1.50	M1-M2	1.99	10	MIN	9	4.5	10.5	0.3	1.5
176+60	55 LT	1.50	O1-O2	1.15	3.2	MIN	9	4.5	10.5	0.3	1.5
182+00	130 RT	1.50	S3-S4	2.11	9.1	MIN	9	4.5	10.5	0.3	1.5
185+70	98 LT	1.50	T2-T3	1.02	8.2	MIN	9	4.5	10.5	0.3	1.5

CHA
270 Peachtree St. NW, Suite 1500 • Atlanta, GA 30303-1283
Main: (678) 954-5000 • www.chacompanies.com

REVISION DATES

GEORGIA DEPARTMENT OF TRANSPORTATION

ESPC GENERAL NOTES

SE / NEWNAN BYPASS FROM S.R. 16 TO TURKEY CREEK ROAD

DRAWING No. 51-004

GPLN