

SEDIMENT STORAGE

THE SITE HAS A TOTAL DISTURBED AREA OF 3.28 ACRES. THE FOLLOWING TABLE SUMMARIZES THE REQUIRED AND AVAILABLE SEDIMENT STORAGE FOR EVERY OUTFALL ON THIS PROJECT. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN THE STORAGE VOLUMES FOR THE BMP'S SPECIFIED IN THIS TABLE.

LOCATION	TOTAL DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	REQUIRED STORAGE VOLUME (CY)	TOTAL STORAGE PROVIDED (CY)	SEDIMENT BASINS		CHECK DAM (CY/EACH)		INLET SEDIMENT TRAPS (CY/EACH)		SILT FENCE (0.3 CY/ FT)		SILT GATE (CY/EACH)	
					POND	TOTAL VOLUME (CY)	# OF DEVICES	TOTAL VOLUME (CY)	# OF DEVICES	TOTAL VOLUME (CY)	LENGTH OF FENCE (FT)	TOTAL VOLUME (CY)	# OF DEVICES	TOTAL VOLUME (CY)
OUTFALL 1	2.11	0.78	141.37	142.55			8	12.38	6	8.97	404	121.20		
OUTFALL 2	1.03	0.07	69.01	79.14			6	5.41	3	23.33	168	50.40		
OUTFALL 3	4.96	0.57	332.32	354.46			16	97.32	6	69.64	625	187.50		
OUTFALL 4	1.98	0.88	132.66	177.60			19	36.14	6	54.76	289	86.70		
OUTFALL 5	6.51	0.95	436.17	534.23			7	48.52	5	94.21	1461	438.30		
OUTFALL 6	0.38	0.03	25.46	46.24			0	0.00	2	0.34	153	45.90		
TOTAL SHEET FLOW														

IN ORDER TO PREVENT RUNOFF FROM BYPASSING INLET SEDIMENT TRAPS, A TEMPORARY SUMP SHALL BE INSTALLED AROUND ALL INLET SEDIMENT TRAPS THAT ARE NOT LOCATED IN A LOW POINT OR AN EXCAVATED SUMP. CONSTRUCT TEMPORARY SUMPS IN ACCORDANCE WITH CONSTRUCTION DETAIL D-24C. TEMPORARY SUMPS SHALL BE INSTALLED IN A MANNER THAT ENSURES STORMWATER DOES NOT BYPASS THE INLET. THE CONTRACTOR MAY SUBMIT ALTERNATE TEMPORARY CONTAINMENT BERM DESIGNS TO THE PROJECT ENGINEER FOR APPROVAL.

SEDIMENT BASINS WILL NOT BE UTILIZED AT OUTFALL LOCATIONS. LAND DISTURBANCE ACTIVITIES ASSOCIATED WITH CONSTRUCTING AND REMOVING SEDIMENT BASINS WOULD CAUSE ADVERSE IMPACTS. ADEQUATE SEDIMENT STORAGE IS OBTAINED WITH THE USE OF CHECK DAMS AND SEDIMENT TRAPS FOR OUTFALLS 1, 2, 3, 4, 5 AND 6. BMP'S AS SHOWN ON THE EROSION CONTROL PLANS WILL BE ADEQUATE TO CONTROL SEDIMENT RUNOFF AT THESE LOCATIONS.

SAMPLING GENERAL NOTES

REPRESENTATIVE SAMPLING MAY BE UTILIZED ON THIS PROJECT AS EXPLAINED HERE. 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/SAFETY. THE DISTURBED AREA CLASSES 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 TO OR LESS THAN 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 EROSION SEDIMENTATION AND POLLUTION CONTROL PLANS, THE DEPARTMENT HAS DETERMINED THAT THE REPRESENTATIVE SAMPLING SCHEME SHOWN BELOW IS VALID FOR THE DURATION OF THE PROJECT. THE TABLE SHOWS THE GROUPS OF SIMILAR OUTFALL DRAINAGE BASINS.

THE INCREASE IN TURBIDITY AT THE SPECIFIED LOCATIONS IN THE TABLE BELOW WILL BE REPRESENTATIVE OF THE ALTERNATE OUTFALL DRAINAGE BASINS WHEN SIMILAR OUTFALL DRAINAGE BASINS EXIST. APPROVED PRIMARY AND ALTERNATE REPRESENTATIVE SAMPLED FEATURES ARE IDENTIFIED IN THE TABLE BELOW.

NOTE: THE TOTAL SITE AREA IS 17.53 ACRES.

SAMPLING INFORMATION										REPRESENTATIVE SAMPLING SCHEME				
PRIMARY SAMPLED FEATURE	LOCATION (STATION AND OFFSET)	NAME OF RECEIVING WATER	APPLICABLE CONSTRUCTION STAGE FOR SAMPLING	SAMPLING TYPE (OUTFALL OR RECEIVING WATER)	DRAINAGE AREA FOR THE RECEIVING WATER (mi ²)	WARM OR COLD WATER STREAM	APPENDIX B NTU VALUE (OUTFALL SAMPLING ONLY)	ALLOWABLE NTU INCREASE (RECEIVING-WATER SAMPLING ONLY)	LOCATION DESCRIPTION	OUTFALL CHARACTERISTICS				
										CONSTRUCTION ACTIVITY	DISTURBED AREA (ACRES)	AVERAGE OUTFALL SLOPE (RISE/RUN)	SOIL EROSION INDEX	ALTERNATE OUTFALL DRAINAGE BASINS
OUTFALL 3	1239+23 106' LT	TRIBUTARY TO YELLOW RIVER	ALL	OUTFALL	0.50	WARM	50	N/A	IN DITCH, DOWNSTREAM OF MEDIAN DRAIN	NEW ROAD IN FILL	0.57	0.02	6.61	OUTFALLS 2 & 4
OUTFALL 5	1219+42 121' LT	TRIBUTARY TO YELLOW RIVER	ALL	OUTFALL	0.21	WARM	50	N/A	IN DITCH, DOWNSTREAM OF CROSS DRAIN	NEW ROAD IN FILL	0.95	0.07	6.61	OUTFALLS 1 & 6

THE PRIMARY SAMPLED FEATURES SPECIFIED SHOULD BE USED AS THE INITIAL SAMPLING LOCATIONS. AN ALTERNATE SAMPLED FEATURE MAY BE USED IF ADDITIONAL SAMPLING IS REQUIRED OR TO REPLACE A PRIMARY SAMPLED FEATURE THAT IS NO LONGER LOCATED WITHIN THE ACTIVE PHASE OF CONSTRUCTION.

STREAM AND OPEN-WATER BUFFER ENCROACHMENTS

STREAM BUFFERS, AS DEFINED BY O.C.G.A. 12-7-1, ARE NOT IMPACTED BY THIS PROJECT.

INSPECTING AND SAMPLING PROCEDURES

SEE SPECIAL PROVISION 167 AND OTHER CONTRACT DOCUMENTS FOR THE INSPECTING AND SAMPLING 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.'

CONSTRUCTION NARRATIVE

P. I. 0010425 IS THE GRADE SEPARATION OF WALTHER BLVD OVER S.R. 316. THIS PROJECT WILL ELIMINATE THE EXISTING RIGHT IN/RIGHT OUT ACCESS FROM S.R. 316 TO WALTHER BLVD. THIS PROJECT PROPOSES TO IMPROVE 0.25 MILES OF C.R. 3929/WALTHER BLVD AND CONSISTS OF A FOUR SPAN BRIDGE 369 FT IN LENGTH. WALTHER BLVD WILL CONSIST OF TWO 12 FT TRAVEL LANES, TWO FOUR FOOT BIKE LANES, A 14 FT TWO WAY LEFT TURN LANE AND 12 FT SHOULDERS CONSISTING OF A FIVE FOOT PEDESTRIAN SIDEWALK. THE PROJECT LIMITS WILL BE GRADED TO CONSTRUCT PAVEMENT WIDENING, FULL DEPTH, MEDIAN AND SHOULDERS. SLOPES WILL BE CONSTRUCTED AND MAINTAINED THROUGHOUT CONSTRUCTION UNTIL PERMANENT VEGETATION MAY BECOME ESTABLISHED. STORM WATER RUNOFF WILL BE COLLECTED IN ROADSIDE DITCHES AND UNDERGROUND STORM PIPING SYSTEMS. SEDIMENT FROM STORM WATER RUNOFF WILL BE CONTROLLED BY BMP'S.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMP'S:

NO ALTERNATIVE OR ADDITIONAL BMP'S WILL BE USED ON THIS PROJECT.

REVISION DATES

03/16/15			

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: INNOVATIVE DELIVERY
ESPCP GENERAL NOTES

**CR 3929/WALTHER BLVD
OVER 316**

DRAWING No.
51-002

