Building / Structure	Code Reference (NFPA 2008)	Area Classification		Corrosive Environment	Odor Treatment	Ventilation Requirements (see HVAC Drawings)		Electrical Materials	Material of Construction for Buildings or Structures	Fire Protection (see FP drawings)	Sprinklers	Special Conditions	Notes	Summary
		Before Mechanical Ventilation	After Mechanical Ventilation			To Reduce the Area Classification	Other Intended Ventilation							
Diversion Structures DS-101 & DS-102	NFPA 820, Table 4.2, Row 29	Class 1 Division 1: Interior of wet well from the minimum water surface to the top of the wet well, envelope 18in above the top of the wet well and extending 18in beyond exterior wall, envelope 18in above grade and extending 10ft horizontally from the exterior wall.	Class 1 Division 1: Interior of wet well from the minimum water surface to the top of the wet well, envelope 18in above the top of the wet well and extending 18in beyond exterior wall, envelope 18in above grade and extending 10ft horizontally from the exterior wall.	Yes	NA	NA	NA	Exposed conduit shall be as specified in specification. Concealed conduit shall be schedule 40 PVC. All materials shall be explosion proof within the area of classification. Conduits shall include seal offs.	Noncombustible material, limited-combustible material, or low flame spread material.	Typically not provided	No	Buildup of vapors from flammable or combustible liquids	---	---
Wet Well and Diversion Pump Station	NFPA 820, Table 4.2, Row 16	Class 1 Division 1: Interior of wet well from the minimum water surface to the top of the wet well, envelope 18in above the top of the wet well and extending 18in beyond exterior wall, envelope 18in above grade and extending 10ft horizontally from the exterior wall.	Class 1 Division 1: Interior of wet well from the minimum water surface to the top of the wet well, envelope 18in above the top of the wet well and extending 18in beyond exterior wall, envelope 18in above grade and extending 10ft horizontally from the exterior wall.	Yes	Yes (Active, dry media type, basis of design is Purafil)	NA	Minimum air flow to reduce odors	Exposed conduit shall be as specified in specification. Concealed conduit shall be schedule 40 PVC. All materials shall be explosion proof within the area of classification. Conduits shall include seal offs.	Noncombustible material, limited-combustible material, or low flame spread material.	Combustible gas detection system	No	Possible ignition of flammable gases and floating flammable liquids	Wet well is covered.	Odor Control Scrubber
Diversion Wet Well Valve Vault / Valve Room	NFPA 820, Table 4.2, Row 17	Class 1 Division 2: Interior of dry well from the minimum water surface to the top of the dry well, envelope 18in above the top of the wet well and extending 18in beyond exterior wall, envelope 18in above grade and extending 10ft horizontally from the exterior wall.	Unclassified	Yes	Yes (Active, dry media type, basis of design is Purafil)	Yes, minimum 6 air changes per hour	N/A	Exposed conduit shall be as specified in specification. Concealed conduit shall be schedule 40 PVC. Conduit shall include seal offs.	Noncombustible material, limited-combustible material, or low flame spread material.	Portable Fire Extinguisher Loss of ventilation alarming per chapter 7	No	Possible leakage of untreated sewage and flammable gases	---	Odor Control Scrubber
Diversion Facility Electrical Building	NEC	Unclassified	Unclassified	No	NA	NA	Yes, HVAC shall be installed to provide conditioned space for the electrical equipment.	Exposed conduit shall be as specified in specification. Concealed conduit shall be schedule 40 PVC.	---	Fire hydrant required. FACP.	No	---	---	Split system with outdoor condensing units and rooftop units.
Odor Control	NFPA 820, Table 4.2, Row 20	Class 1 Division 2: Areas within 3ft of leakage sources such as fans, dampers, flexible connections, flanges, pressurized unwelded ductwork, and odor-control vessels.	Class 1 Division 2: Areas within 3ft of leakage sources such as fans, dampers, flexible connections, flanges, pressurized unwelded ductwork, and odor-control vessels.	Yes	NA	NA	NA	Exposed conduit shall be as specified in specification. Concealed conduit shall be schedule 40 PVC. All materials shall be explosion proof within the area of classification. Conduits shall include seal offs.	Noncombustible material, limited-combustible material, or low flame spread material.	Fire detection system compatible with gas detection system	No	Leakage and ignition of flammable gases	---	---
Equalization Tank (Wastewater Holding Basins)	NFPA 820, Table 4.2, Row 34	Class 1 Division 1: Entire enclosed space.	Class 1 Division 1: Entire enclosed space.	Yes	Yes (Active, dry media type, basis of design is Purafil)	NA	Minimum air flow to reduce odors	Exposed conduit shall be as specified in specification. Concealed conduit shall be schedule 40 PVC. All materials shall be explosion proof within the area of classification. Conduits shall include seal offs.	Noncombustible material.	Portable fire extinguisher. Hydrant protection.	No	Possible leakage of untreated sewage and flammable gases	---	Odor Control Scrubber
Equalization Tank Jet Mix Pump Station	NFPA 820, Table 4.2, Row 17	Class 1 Division 2: Entire enclosed space	Unclassified	Yes	Yes (Active, dry media type, basis of design is Purafil)	Yes, minimum 6 air changes per hour	NA	Exposed conduit shall be as specified in specification. Concealed conduit shall be schedule 40 PVC. Conduit shall include seal offs.	Noncombustible material, limited-combustible material, or low flame spread material.	Portable Fire Extinguisher Loss of ventilation alarming, per chapter 7	No	Possible leakage of untreated sewage and flammable gases	---	Odor Control Scrubber
Equalization Facility Electrical Building	NEC	Unclassified	Unclassified	No	NA	NA	Yes, HVAC shall be installed to provide conditioned space for the electrical equipment.	Exposed conduit shall be as specified in specification. Concealed conduit shall be schedule 40 PVC.	---	Fire hydrant required. FACP.	No	---	---	Split system with outdoor condensing units and rooftop units.
Equalization Facility flow return control structure	NFPA 820, Table 4.2, Row 36	Class 1 Division 2: Entire enclosed space	Class 1 Division 2: Entire enclosed space	Yes	NA	NA	NA	Exposed conduit shall be as specified in specification. Concealed conduit shall be schedule 40 PVC. All materials shall be explosion proof within the area of classification. Conduits shall include seal offs.	Noncombustible material, limited-combustible material, or low flame spread material.	Typically not provided	No	---	---	---

Atlanta Department of Watershed Management

GEORGIA REGISTERED No. PE023782 PROFESSIONAL ENGINEER KUNG C. VER

CITY OF ATLANTA
DEPARTMENT of WATERSHED MANAGEMENT

PEACHTREE CREEK SOUTH FORK
RELIEF STORAGE AND PUMPING STATION

REV	DATE	REVISION DESCRIPTION
0	10/28/12	100 PERCENT BID PACKAGE

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE

THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE OR GOVERNING TECHNICAL SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS.

PROJECT NO: FC-6260

DATE: OCTOBER 2012

RESP PROF:	DESIGNER:	CHECKER:
KCV	AWP	BLB

SHEET TITLE

ELECTRICAL
00 - GENERAL
ELECTRICAL
AREA
CLASSIFICATION

SHEET NO.	REV.
E0-003	0