

### **TOWN OF KNIGHTDALE SCM INSPECTIONS**

WHEN SCHEDULING INSPECTIONS, PLEASE CALL THE PUBLIC WORKS ADMINISTRATIVE ASSISTANT AT (919) 217-2250.

**PLEASE NOTE: THE FOLLOWING PERSONNEL MUST BE PRESENT AT ALL INSPECTIONS:**

- 1) SITE SUPERVISOR
- 2) GEOTECH
- 3) AS-BUILT CERTIFYING ENGINEER OR SOMEONE UNDER THEIR SUPERVISION

**THE FOLLOWING ITEMS MUST BE INSPECTED BY TOK STAFF DURING THE INSTALLATION OF ANY SCM WITH DAM:**

- 1) KEY TRENCH EXCAVATION
- 2) PRINCIPAL SPILLWAY PIPE AND ASSOCIATED COMPONENTS:
  - a. CONCRETE CRADLE
  - b. ANTI-SEEP COLLAR
  - c. SEEPAGE DIAPHRAGM
- 3) OUTLET STRUCTURE
- 4) ANTI-FLOTATION BALLAST
- 5) ANY SITE-CONSTRUCTED REINFORCED CONCRETE STRUCTURES

**THE FOLLOWING ITEMS MUST BE INSPECTED BY TOK STAFF DURING THE INSTALLATION OF ANY SAND FILTERS OR BIORETENTION DEVICES**

- a. SUBGRADE OR CONSTRUCTED FOUNDATION
- b. OUTLET OR RISER IN COMBINATION WITH CONNECTING UNDERDRAINS
- c. FILTER MEDIA
- d. DAM ITEMS ON PREVIOUS LIST IF APPLICABLE

### **GEOTECHNICAL TESTING AND CERTIFICATION**

ALL REPORTS ARE TO BE SUBMITTED WITHIN 30-DAYS OF DAM COMPLETION

REQUIRED GEOTECHNICAL RECORDS INCLUDE:

- 1) DAM EMBANKMENT MATERIAL COMPOSITION AND DENSITY TESTING
- 2) MAP THAT LABELS ALL POINTS WHERE THE DAM AND DAM FOUNDATION AREAS WERE TESTED
- 3) DIGITAL PHOTOS SHOWING THE DAM FOUNDATION AREAS, THE RISER, THE PRINCIPLE SPILLWAY PIPE, THE CONCRETE CRADLE, THE SEEPAGE DIAPHRAM, RELIEF DRAINS, ETC., BEING INSTALLED.