

  
**GWINNETT COUNTY**  
**STORM WATER MANAGEMENT**  
**REVIEW CHECKLIST – WATER QUALITY BMP**  
**AS-BUILT OIL – GRIT SEPARATOR**

DEVELOPMENT NAME: \_\_\_\_\_

DISTRICT/LANDLOT/PARCEL: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

FAX NUMBER/EMAIL: \_\_\_\_\_

REVIEWER: \_\_\_\_\_

DATE: \_\_\_\_\_

COUNTY CASE #: \_\_\_\_\_

**FYI: IT IS THE OWNERS/DEVELOPER'S RESPONSIBILITY TO BE IN COMPLIANCE WITH APPLICABLE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND CLEAN WATER ACT REQUIREMENTS.**

**ANNOTATED CHECKLIST IS REQUIRED WITH ALL RE-REVIEWS**

Walk Through

Drop-Off, include a copy of these comments and one set of plans, do not drop off money or easement documents. Bring to Suite 150- 1<sup>st</sup> floor One Justice any day of the week. Allow up to 5 business days for re-review.

**READY FOR ONE STOP** – Plans have met the criteria for “One Stop” plan approval process. Appointments are received for 8:30am through 10:30am every Thursday. Please call 678.518.6000, and ask to schedule your appointment.

**Appointment:** An appointment may be scheduled with a plan reviewer after the plans have been revised to address all comments. Please call 678.518.6000 to schedule an appointment.

FYI if all comments are not addressed after the third review, a meeting will be required with County Staff, Designer and Owner/Developer.

**As-built Oil Grit Separator as specified in 8.3.11 of the Stormwater Systems and Facilities Installation Standards and Specifications (SSFISS)**

1.  Provide Oil-Grit Separator plan and details.
2.  Submit plans and elevations showing that storms greater than the design storm (usually the 1.2” rainfall event) bypass the separator as designed (SSFISS 8.3.11.2).
3.  Provide calculations showing that wet volume of separator provides a residence time of 6 minutes as designed. (SSFISS 8.3.11.4)
4.  Provide calculations showing that maximum surface-loading rate is 1.2 ft/minute as designed. The surface loading rate shall be calculated by dividing the design flow by the wet storage surface area. (SSFISS 8.3.11.3)
5.  Provide calculations that the length to width ratio shall be between 3 to 5 as designed. (SSFISS 8.3.11.5)
6.  Separator shall be at least 4 feet deep. (GSMM 3.3.6.3)

7.  Provide calculations showing that the horizontal velocity through the separation chamber shall be a maximum of 3 ft/minute. No velocities in the device should exceed the entrance velocity. (GSMM 3.3.6.3)
8.  A trash rack shall be included to capture floating debris, preferably near the inlet. (GSMM 3.3.6.3)
9.  Manholes must be provided to each chamber for maintenance access. (GSMM 3.3.6.3)
10.  Describe process for removing accumulated oil. (GSMM 3.3.6.3)

**OTHER COMMENTS:**

11.  Provide two (2) copies of revised as-built. \_\_\_\_\_
12.  Provide Maintenance Agreement (UDO TITLE III 800-70.12). \_\_\_\_\_
13.  Provide BMP Maintenance Bond (UDO TITLE III 800.70.15). \_\_\_\_\_
14.  BMP field inspection is required. \_\_\_\_\_
15.  \_\_\_\_\_