



## TECHNO-GRAM 003-2016



- SUBJECT:** Construction Cost and Associated Permit Fees for Private Storm Drainage and Stormwater Management Systems
- PURPOSE:** To clarify what items are included in construction costs for Storm Drainage and Stormwater Management (SWM) Systems outside of the public rights-of-way (R/W)
- SCOPE:** Construction costs and associated permit fees for private storm drainage and SWM systems outside of the public R/W, as required by Prince George's County Code, Section, 32-120(a)(2), as administered by the Prince George's County Department of Permitting, Inspections and Enforcement (DPIE)

All Site/Road permits are to include a construction cost estimate for private Storm Drainage (SD) and Stormwater Management (SWM) systems outside of the public R/W, as required per Prince Georges County Code, Section 32-120(a)(2), which states "Fees for permits that include public and private storm drainage and stormwater management systems shall include storm drainage and stormwater management fees based on ten percent (10%) of the construction cost of the work ..."

Included in the construction cost are:

- All pipe, structures and appurtenances for storm drain and SWM purposes
- All gravel and filter cloth required for storm drain and SWM purposes
- All items required to construct permeable pavement systems proposed for SWM purposes, including but not limited to stone, pavement, piping and inlets
- All items required to construct rain barrels, cisterns, rain gardens, bio-retention, bio-swales, submerged gravel wetlands, green roofs and any other non-structural SWM systems for SWM purposes, including, but not limited to: soil media, gravel or stone or aggregate, grading, underdrain, filter cloth, pipe(s), structure(s), landscaping
- All items required to construct SWM ponds, underground storage and any other structural SWM systems, including, but not limited to: access roads, gates, grading, pipe(s), structure(s), core trench, anti-seep collar(s), gravel, stone, aggregate, concrete cradle, trash rack(s) and landscaping
- Permanent fencing and safety signage
- Clearing and grubbing required to construct SD and SWM systems
- Cut and fill required to construct SWM and open conveyance storm drain systems



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- Riprap, gabion, grass, concrete, stabilization fabric and other items required for channel and stream stabilization
- Note: County unit rates for storm drain include trenching and gravel bedding
- Note: County unit rates for riprap include filter cloth

The construction cost does not include:

- Mobilization
- Sediment control
- Select backfill
- Relocation of non-drainage related utilities
- Demolition of any paving that may be required to construct the SD and SWM systems
- Topsoil, seeding and mulching
- Decorative features not required for SWM, such as trails, benches, fountains and decorative signage
- Maintenance of traffic

NOTE: THIS GUIDANCE DOES NOT PERTAIN TO CONSTRUCTION COST ESTIMATES FOR PUBLIC STREETS. THERE IS NO CHANGE IN POLICY PERTAINING TO COST ESTIMATES FOR PUBLIC STREETS.

**APPROVED BY:**

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**Haitham A. Hijazi, Director**

**May 5, 2016**

**Date**