Right of Way Permitting and Plan Review Section

STORM DRAIN AND/OR PAVING PLAN REVIEW CHECKLIST

Project Name: ______________________  Engineer/Phone No. ______________________

DPS Project No. _____________________  Address ______________________

Preliminary Plan No: ________________  Assigned/Phone No. ____________________

Street Name(s): ____________________

Submittal Date  Review Date  Initial

Legend:
? Complete
INC Incomplete/Incorrect
NA Not Applicable

This checklist has been designed to provide specific instruction to engineers. All items are expected to be addressed in the first submittal. Failure to do so will result in a less than full first review. If any items marked with an asterisk (*) are not addressed, no further review of the first submittal will be made. The plan will be returned to the engineer for completion and will have to be resubmitted for a new first review.

TO THE ENGINEER:
Your submission for Storm Drain and/or Paving Plan approval has been reviewed. The review was made based on the items shown on this checklist. Please return the checklist and storm drain and/or paving plan comment sheets with your resubmittal. If you do not address a checklist item, including comments on the storm drain and/or paving plan sheets, explain your reasoning in your transmittal letter.

SUPPORTING INFORMATION

*___ ___ ___ Transmittal specifically explaining purpose of submission (including limits of approval).
*___ ___ ___ If requesting expedited service, attach letter explaining request and check box located above.
*___ ___ ___ Copy of approved Preliminary Plan (if applicable).
*___ ___ ___ One print of drainage study as approved by MCDPW&T including computations.
___ ___ ___ Copy of recorded Record Plat.
*___ ___ ___ Copy of approved Grade Establishment Plans for streets within limits of approval.
*___ ___ ___ Copy of MCDPW&T Preliminary Plan approval letter.
___ ___ ___ Draft copy of Grant of Easement documents for any drainage easements proposed by this plan.
___ ___ ___ Engineers estimate (at final approval).
STORM DRAIN AND/OR PAVING PLAN REVIEW CHECKLIST

PLAN VIEW - GENERAL

___ ___ ___ North Arrow.

*___ ___ ___ Scale: 1" = 50’.

___ ___ ___ Lot and Block numbers.

*___ ___ ___ Name, address and phone number of engineering firm or preparer of plan(s).

___ ___ ___ Name of street.

*___ ___ ___ Subdivision name.

___ ___ ___ General notes for paving and/or storm drainage.

*___ ___ ___ Typical paving section.

PLANS – EXISTING FEATURES

___ ___ ___ Curbs and gutters, paving, sidewalks, street trees and street lights.

___ ___ ___ Storm drainage pipes and structures.

___ ___ ___ Water and sanitary sewer pipes and structures.

___ ___ ___ Underground utilities.

___ ___ ___ Utility poles.

___ ___ ___ Streams, channels or drainage ditches.

___ ___ ___ Buildings or other permanent structures.

PLANS – PROPOSED WORK (Paving)

___ ___ ___ Proper tie in or transition to existing features.

___ ___ ___ Details of all special or non-standard work (Refer to Montgomery County, WSSC or MSHA standards for all standard work).

___ ___ ___ Proposed water and sewer.

___ ___ ___ Sidewalk ramps at all street intersections and intersection type driveways for curb and gutter streets.

___ ___ ___ Mid block crosswalks.

___ ___ ___ Where shoulder and ditch work or pavement widening along existing roads is required by the Public Improvement Agreement, show sufficient details, elevations and typical sections to accomplish this work. Any necessary utility relocation work should also be shown.

PLANS – PROPOSED WORK (Storm Drainage)

___ ___ ___ Pipe schedule, showing lengths, pipe sizes, materials and class or gauge.

___ ___ ___ Structure schedule showing structure types, elevation, dimensions with proper reference to Montgomery County, WSSC and MSHA standards.

___ ___ ___ For precast inlets show manufacturer name and structure type for each.

___ ___ ___ Structure numbers to match structure schedule, pipe profiles and drainage study.

___ ___ ___ Required storm drain easements whether shown on record plat or recorded by separate instrument.

___ ___ ___ Outfall treatment with existing topography at and 100’ below outfall.
STORM DRAIN AND/OR PAVING PLAN REVIEW CHECKLIST

____ ____ ____ Details of special structures.

STORM DRAIN PROFILES

* ____ ____ ____ Horizontal scale 1” = 50’.

* ____ ____ ____ Vertical scale 1” = 5’.

* ____ ____ ____ Structure numbers (must match plan, structure schedule and drainage study).

____ ____ ____ Pipe lengths to be shown by stationing at each structure.

____ ____ ____ Pipe size, material and class or gauge for each run.

____ ____ ____ Quantity of flow, slope and velocity for each run. When pipe will not flow full due to actual slope being steeper than required, actual partial flow velocity must be shown.

____ ____ ____ Show hydraulic gradient for all pipes.

____ ____ ____ Outfall treatment – show class and length of riprap, filter cloth required and cross-section of outfall channel.

APPROVALS REQUIRED

____ ____ ____ Seal and signature of Professional Engineer or Land Surveyor responsible for plans.

____ ____ ____ WSSC approval if storm drainage is to be constructed prior to installation of water and sewer.

____ ____ ____ MSHA approval and/or permit where proposed street connects to an existing State road.

____ ____ ____ Maryland Department of Natural Resources and/or Maryland Department of the Environment approval where applicable.

____ ____ ____ Department of Permitting Services – Water Resource Section approvals where applicable.

ADDITIONAL REQUIREMENTS:

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COMMENTS

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