

DRAFT

Appendix C: Stormwater Infrastructure Mapping and Inventory Guidance Document (NJDEP)

Abstract

This document was prepared by the NJDEP to provide guidance for mapping stormwater management facilities (i.e. culverts, green infrastructure, manufactured treatment devices (MTDs), outfalls, basins, inlets and subsurface infiltration/detention systems) as required by the New Jersey Stormwater Management Rules (N.J.A.C. 7:8). The document discusses the various free mapping and inventory tools available for use. The inspection, maintenance and upkeep of these facilities is required under the New Jersey Pollutant Discharge Elimination System (NJPDES) Municipal Separate Storm Sewer System (MS4) general permit. A frequently asked questions document is also included in an appendix.

This document is intended to be used by Stormwater Coordinators and/or municipal public works members who will be actively engaged in the mapping of stormwater structures.

The reporting of stormwater structure data supports the requirements of N.J.A.C. 7:8 as well as Highlands Council funded Stormwater Management Program elements.

This document is included as Appendix C of the overall Highlands Region Stormwater Management Program Guidance document. For complete documentation, contact your Highlands Council Liaison (www.state.nj.us/njhighlands/planconformance/liaisons/).

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[PLACEHOLDER FOR NJDEP GUIDANCE DOCUMENT]

Appendix C-1: Stormwater Mapping Tool

Questions & Answers

1. Am I required to use the NJDEP mapping tool?

No. If stormwater facilities data has been collected using another means, that is perfectly acceptable. The NJDEP provides additional templates that can be used for submitting previously collected data. These include a Trimble Handheld GPS Data Dictionary Template, ESRI Geodatabase Template and a Microsoft Excel MS4 Inventory Spreadsheet Template. Copies of the templates can be found on the NJDEP website at www.nj.gov/dep/dwq/msrp_map_aid.htm. If you are unable to submit your previously collected data in GIS format or in one of the provided templates, the NJDEP will accept it in PDF form (e.g. AutoCAD PDF map). The benefit of the tool is that it provides an exciting mobile- and web-based interactive mapping platform and real-time data collection and uploads.

2. Are there any hidden costs associated with the use of the mapping tool?

The use of the tool requires an ArcGIS Online license and a mobile device such as a cell phone or tablet. The NJDEP is making a number of ArcGIS Online licenses available, at no cost, to permittees who request it. Environmental groups or volunteers that will assist a municipality with mapping and inventory of stormwater infrastructure may also be eligible to use a free license. Permittees may contact [Tim Ebersberger](#) to begin using this tool or to request a license.

3. How do the Highlands Council Stormwater Program stormwater facilities inventory requirements differ from the NJDEP requirements?

They are the same for Tier A municipalities. The NJDEP is providing an enhanced tool to the municipalities in support of the Stormwater Rules requirements. The mobile application presents an easy and accurate way to collect the data that is already required to be collected as per your Municipal Stormwater General Permit (Tier A municipalities only). Although Tier B municipalities are not required to collect stormwater facility data by the NJDEP, the Highlands Council requires it for conformance with Highlands Regional Master Plan.

4. Will funding be available through the Plan Conformance grant program to purchase additional equipment needed to collect the stormwater facilities data?

No. Stormwater structures can be mapped in the field using iPhone or Android smart phones or similar devices with secure internet access. These devices are not reimbursable through the Highlands Council Plan Conformance Grant Program. However, the grant program will

reimburse costs associated with the purchase of a mapping-grade GPS receiver to improve the accuracy of the location data. The cost of this receiver is approximately \$100.

5. Who will be able to access the data that is collected using the mapping tool?

The designated municipal users (i.e. Stormwater Coordinator) will have access to the data as well as the NJDEP program coordinator. Security protection and access control measures will be established for individual users through the use of ArcGIS Online licenses, usernames and passwords.

6. What if I have already collected stormwater structure data?

As long as the data conforms to the NJDEP MS4 Permit criteria, it will be acceptable to the Highlands Council. In this case, the municipal liaisons will assist municipalities in developing a tailored Scope of Work that will allow for reimbursement of stormwater management activities through the Plan Conformance Grant Program.