



## Hierarchy of Drainage Facilities and Maintenance Responsibilities



ocpCustomerCare@ocpw.ocgov.com

www.ocplanning.net

300 N. Flower Street



714.667.8888



714.667.8885

Master plan of drainage (MPD) are drainage Program documents (a “blue print” of how to manage runoff). It is not a construction plan. Some Sub-Regional facilities may be MPD facilities. MPD are engineering reports for a specific watershed outlining the drainage facilities needed for development and financing of the proposed drainage systems. These facilities are owned and maintained by the County of Orange. When constructed these facilities are assigned a facility number (e.g.LO1). The Naming convention for facilities is outlined in RDMD/Policies and Procedures No. 3.6.004. Some of the MPD facilities have Board of Supervisors adopted fees associated with them. However compliance is required to each of the MPD facilities irrespective if it has a Board adopted fee associated with it. For MPD facilities where there is not an adopted Board fee the developer is still required to implement that facility-but fees cannot be collected.

*The First/highest level* of drainage facilities/devices within the County of Orange are Regional Watercourses and devices. These can be classified into Regional (1000+ acres or Sub-Regional (640-1000 acres) facilities depending on the acres of watershed. Regional Facilities are eligible for ownership and maintenance by the Orange County Flood Control District. Sub-Regional Facilities are eligible for ownership and maintenance by either the County or OCFCD. For planning purposes these are typically identified and addressed in development Environmental Impact Report (EIR) or similar planning documents and may also be shown on a Runoff Management Plan (ROMP). These are typically identified on and constructed from the Orange County Flood Control District Plans, if they are owned by OCFCD.. Orange County Flood Control District and Orange County Watershed Division have graphic and digital files that show Regional Watercourses/devices and MPD facilities that are constructed. There are occasions where water courses of this magnitude could remain in private ownership, such as San Juan Creek.

*The Second level* of drainage facilities (lower than Regional Watercourses and devices but typically greater than 36” diameter devices) are MPD facilities which are typically connected to the Regional Watercourses and are devices typically 39” in diameter and greater. These are typically owned and maintained by the County of Orange.

*The Third level* of drainage facilities are the Local Storm Drainage Facilities (typically 18” to 36” devices). These are facilities typically serving tributary drainage area of less than 640 acres and includes some MPD facilities, private facilities, or a County facility. These are also typically owned and maintained by the County of Orange.

*The Fourth level* of drainage facilities are also for local drainage (typically uses devices that are less than 18 inches). These can be owned and maintained by a Home Owners Association or Private individual/developer/owner (e.g.TIC/RMV). These devices may be built to grading standards (using non-standard devices/materials). However if said facilities/devices will convey public water, then the County of Orange will require an easement over and ownership of these facilities. Under this circumstance or if it is within a private street, the County will require that it be built to County standards so that the County could accept it for public ownership/maintenance in the future.

### **MPD applicable to County of Orange**

Information on MPD facilities is contained in several individual Master Plan of Drainage (MPD) Reports covering unincorporated portions of Orange County. These reports are kept in the

Subdivision & Infrastructure Division and the Flood Control Division. A listing of these Reports is shown in *Attachment 1* and also contained in the County of Orange Local Drainage Manual. Although not all MPD reports/facilities have received formal approval by the Board of Supervisors, the County's practice has been to require developer to adhere/comply with the provisions of each report for planning and development purposes. The MPD reports are program level documents. The precise location of the drainage facilities identify in them may be modified due to changes in topography or as more detail regarding detail of proposed grading and development becomes available. Upon incorporation, the MPD for that area is typically transferred to the new City. The preparation of a watershed or area ROMP will likely supersede a previous MPD report, after approval by the County.

#### **MPD facilities which require fee payment**

The Board of Supervisors approved certain MPD facilities for which fees must be collected. These are contained in the County of Orange Local Drainage Manual. Developers are required to pay MPD fees and construct impacted/said MPD facilities and may be eligible to receive MPD/fee credits. Development within any MPD areas must comply with implementation of impacted MPD facilities. Compliance is generally assured through application by County of conditions of development approval at the Tentative Map level.

#### **MPD facilities that need to be constructed.**

Most MPD facilities within the developed portions of the County are constructed. Within undeveloped unincorporated areas the construction of MPD facilities will likely be the responsibility of the developer. MPD facilities within unincorporated areas that are dedicated by a developer to the County, can be negotiated between the County and the developer for construction responsibilities.

#### **Historical Protocol for depicting devices on Plans.**

*Regional Watercourses/devices/OCFCD Facilities.* These are typically shown on the Orange County Flood Control District Plans.

*Master Plan of Drainage (MPD) facilities (> and = 39" devices).* These are typically shown on Subdivision Maps-Drainage Improvement Plans.

*Local Drainage facilities-(< 39" to > and =18" devices).* These are typically shown on Tract Maps/Street Improvement, Storm/Water Improvement plans.

*On Site Drainage Devices (local facilities)* - These are typically shown on grading plans or private street plans.

#### **Illustrative of Countywide Drainage System**

The following image provides a graphic representation of countywide drainage system and associated data.

#### **RDMD Processing of Drainage Plans**

**MPD, Local Storm Drainage Facilities-** These plans are submitted to, processed and approved by PDS/Subdivision and Infrastructure Division.

\*\*\*\*\*INSERT IMAGE HERE: "ILLUSTRATIVE OF COUNTYWIDE DRAINAGE SYSTEM"\*\*\*\*\*