



## LYON COUNTY COMMUNITY DEVELOPMENT DEPARTMENT

BUILDING \* DEVELOPMENT ENGINEERING \* PLANNING  
CODE ENFORCEMENT \* ECONOMIC DEVELOPMENT

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### **AREA DRAINAGE MASTER PLAN DEVELOPMENT PROCESS**

Lyon County has conducted **Area Drainage Master Plans (ADMPs)** for developed areas within the **Carson River watershed** to evaluate drainage complexities and potential flood hazards. These studies provide valuable data for land development projects and can help applicants understand **existing runoff conditions and potential mitigation strategies**.

This process ensures that developers and property owners can access **stormwater runoff data** and incorporate it into their project planning to enhance public safety and infrastructure resilience. **ADMPs are continuously being developed** for additional areas to expand technical information and public benefit.

#### **Purpose of ADMPs**

The County's ADMPs serve three main objectives:

1. **Flood Hazard Evaluation:** Conduct technical studies using previous research, public agency and resident input, hydrologic and hydraulic modeling, and field surveys.
2. **Mitigation Strategies:** Develop alternative solutions based on multiple conditions to reduce flood risks.
3. **Public & Agency Awareness:** Provide information to agencies, developers, and residents to help mitigate or prepare for flood hazards.

#### **Process for Accessing ADMP Data**

Lyon County has integrated ADMP findings into the **development review process** to improve stormwater management planning. The following steps outline how applicants can request and use ADMP data for their projects:

##### ***Step 1: Determine Project Location within an ADMP***

- Applicants must first **verify whether their project site is located within an ADMP boundary**.
- This information can be obtained through the **Lyon County Community Development Department** or by reviewing available **ADMP maps and studies**.

### ***Step 2: Submit a Drainage Information Request***

Applicants must provide the following details via the **County's Drainage Information Application**:

- **Assessor Parcel Number (APN)**
- **Project location files (maps, site plans, or GIS coordinates)**
- **Project description (including size, scope, and phasing details, if applicable)**

### ***Step 3: County Review & Data Provision***

Once the application is submitted, the County will provide the following **stormwater runoff data** based on ADMP modeling:

- **Peak Upstream Flows** for various storm events:
  - **5-Year, 24-Hour (5Y24H)**
  - **25-Year, 24-Hour (25Y24H)**
  - **100-Year, 6-Hour (100Y6H)**
  - **100-Year, 24-Hour (100Y24H)**
- **Flow and depth maps**
- **Hydrographs for peak flows**
- **Existing channel stage and discharge data tables (where available)**

### ***Step 4: Additional Requirements for Large Projects***

For projects that:

- **Exceed 1 square mile in area, or**
- **Have potential downstream impacts to existing and future infrastructure**

Applicants must provide additional details, including:

- **Comprehensive design reports**
- **Digital elevation models (DEM) of proposed modifications**
- **Stormwater modeling data compatible with ADMP software** or equivalent, unless approved by the County Engineer

### ***Step 5: Final Design & Approval***

Once all required data is submitted and reviewed, the County will integrate the proposed project details into existing **stormwater runoff models**. The final design must demonstrate:

- Compliance with **ADMP recommendations**
- Effective **stormwater mitigation strategies**
- No adverse impacts on **downstream properties or public infrastructure**

## **Conclusion**

Lyon County is committed to **flood risk reduction and responsible development**. By integrating ADMP data into the development process, applicants can make informed decisions that protect public safety and infrastructure.

For more information, contact **Lyon County Community Development** or visit the County's website to access ADMP resources and application forms.