



## City of McKinney Floodplain/Drainage Study Review Checklist

<b>Project Name:</b>		<b>Date:</b>
<b>Project Location:</b>		
<b>Engineering Firm:</b>		
<b>Engineering Firm Contact:</b>		<b>Contact phone number:</b>
<b>Creek/Waterway:</b>		
<b>General</b>		<b>Please check or N/A</b>
Floodplain Study or Drainage Study (please circle one)		
Floodplain Reclamation? Yes or No (please circle one)		
Project Description		
Purpose of Study		
Table of Contents		
Conclusion / Summary		
Stamp / Seal / Firm No.		
All electronic data submitted (HMS, RAS, PondPack, Excel, etc.)		
<b>Hydrology (HEC-HMS or similar)</b>		
PRE-PROJECT (existing conditions on-site) with:		
1. 5y / 100y storms (fully developed conditions off-site)		
2. 10y / 50y / 100y / 500y storms (existing conditions off-site) (FEMA)		
POST-PROJECT (proposed conditions on-site) with:		
3. 5y / 100y storms (fully developed conditions off-site)		
4. 10y / 50y / 100y / 500y storms (existing conditions off-site) (FEMA)		
<b>Hydraulics (HEC-RAS or similar)</b>		
PRE-PROJECT (existing conditions on-site) with:		
1. 5y / 100y storms (fully developed conditions off-site)		
2. 10y / 50y / 100y / 500y storms (existing conditions off-site) (FEMA)		
POST-PROJECT (proposed conditions on-site) with:		
3. 5y / 100y storms (fully developed conditions off-site)		
4. 10y / 50y / 100y / 500y storms (existing conditions off-site) (FEMA)		
<b>Maps</b>		
Vicinity		
Drainage Area Maps (pre-project and post-project)		
Topography (existing and proposed)		
Hydraulics Work Maps (pre-project and post-project)		
<b>Other</b>		
Valley storage computations (for watersheds 200 acres or larger)		

- For multi-phase developments, modeling for interim conditions on-site may also be required.
- Modeling for existing conditions off-site is typically only required for studies involving FEMA floodplains, but may be required in other situations.
- Once this form is completed, scan and upload through the McKinney Citizen Self Service (CSS) portal along with the Flood Study Application, the study itself, and all maps and modeling files.