

CITY OF SAPULPA, OK
Hydrology & Hydraulic Study
Completed Drainage and Detention Check List

DRAWING CONTENTS

SHEET-1 GENERAL LOCATION MAP:

- A map shall be provided in sufficient detail to identify drainage flows entering and leaving the development and general drainage patterns. The map should be at a scale of 1" = 200' to 1" = 400' and show the path of all drainage from the upper end of any off-site basins to the defined major drainageways.
- The map shall identify any major construction (i.e., developments, irrigation ditches, existing detention facilities, culverts, main storm sewers), along the entire path of drainage.
- The size of the drawings shall be 8 1/2" x 11", 11" x 17", or 22" x 34".

SHEET-2 FLOODPLAIN INFORMATION:

- A copy of the regulatory floodplain map showing the location of the subject property shall be included with the report.

SHEET-3 DRAINAGE PLAN:

- Map(s) of the proposed development at a scale of 1" = 20' to 1" = 200' on a 22" x 34" drawing shall be included.

The plan shall show the following:

- Existing and proposed contours at 2 foot maximum intervals;
- In terrain where the slope is relatively flat, spot elevations and drainage arrows must be shown.
- Property lines and easements with purposes noted:
 - Name, address and telephone number of legal owner of property; vicinity sketch
- Streets, roads and highways adjacent to the property
- Existing drainage facilities and structures, natural or man-made, including, roadside ditches, drainageways, gutter flow directions, and culverts.
- All pertinent information such as material, size, shape, slope, and location shall also be included.
- Overall drainage area boundary and drainage sub-area boundaries
- Proposed type of street flow (i.e., vertical or combination curb and gutter), roadside ditch, gutter flow directions, and cross pans. Include street classifications.
- Proposed storm sewers and open drainageways, including inlets, manholes, culverts, retaining walls, erosion control measures, and other appurtenances
- Proposed outfall point for runoff from the developed area and facilities to convey flows to the final outfall point without damage to downstream properties
- Routing and accumulation of flows at various critical points for the minor storm runoff
- Path(s) chosen for computation of time-of-concentration
- Details of detention storage facilities and outlet works
- Location and elevations of all defined floodplains affecting the property
- Location and elevations of all existing and proposed utilities affected by or affecting the drainage design
- Routing of off-site drainage flow through the development