

PRELIMINARY DRAINAGE AND UTILITY STUDIES

Preliminary Drainage Study

- Scale at 1" = 200' or larger
- On-site and Off-site drainage
- Pre-Conditions Drainage Area Map
- Post-Conditions Drainage Area Map
- Overall drainage calculations showing estimated runoffs and adequacy of existing downstream drainage system to handle proposed runoff from site
- Location and size of all proposed and existing storm drain facilities
- Proposed channel and/or detention pond layout with calculations (If Applicable)
- Existing and proposed contours at one foot (1') intervals
- Floodplain areas, creeks, wetlands, jurisdictional areas
- Provide floodplain note "According to flood insurance rate map (firm) map no. xxxxx dated xxxxx xx, xxxx prepared by Federal Emergency Management Agency (FEMA) or Tarrant County, Texas, this property is within zone <A, AE,X>."
- Provide detention note "On-site detention limiting post-development discharge to pre-development runoff rate is required for all new construction unless a downstream assessment has been provided demonstrating that the existing storm system is adequate to handle post-development discharge rates. If regional detention exists for this project, provide a note referencing where the regional detention was designed and constructed."

Preliminary Utility Study

- Scale at 1" = 200' or larger
- Location and size of all existing water and sanitary sewer lines
- Location and size of all proposed water and sanitary sewer lines
- Proposed tie-in locations

Preparer's Signature

Preparer's Name: _____

Preparer's Signature: _____