

Hidalgo County Drainage District No. 1 Drainage Report Checklist

Project: _____

Date: _____

- Cover Sheet**
 - Firms Name
 - Title
 - Prepared By
- Index**
- Drainage Report Narrative Write-up**
 - Engineering Seal
 - Project Location description (City/ETJ)
 - Flood Plain (FEMA info)
 - Soil Conditions: Map symbol, Soil Name, Group and Unified Class
 - Existing Conditions
 - Pre Development 10-Yr CFS
 - Flow Direction & Outfall Location
- Proposed Conditions**
 - Proposed Use
 - After Development 10-Yr CFS or as required by municipality
 - Increase Q (CFS) rate
 - Detention volume (cf and Ac-ft)
 - Outfall location and owner
- Project Location map**
- USGS Topographical Map w/ runoff pattern**
- Hydraulic Calculations**
 - Title
 - Hydraulic Calculation
 - Engineering Seal
- “C” Values for Method**
- Rainfall Intensity for Hidalgo County**
- Flood Plain**
 - Community Panel
 - Site Location on FIRM Map
- Flood Zone**
 - Flood Zone
 - Zone Description
- Soil Survey**
 - Properties of Soil
 - Site location on Soil Survey
- Set of Plans (Half & Full size folded)**
 - Proposed Plat (Half (11x17) & Full size folded)
 - Drainage Design (Half (11x17) & Full size folded)
 - Extending 500' from site, with 1' contours

Hidalgo County Drainage District No. 1 drainage requirements:

1. All drainage systems will require an outfall (No Retention Ponds Allowed)
2. Drainage systems, include inlets, pipes, outfalls, etc. to be sized as per calculations
3. Drainage outfalls to be a minimum of 24 inches.
4. Storm systems discharging into non-HCDD No. 1 ditches are to meet outfall choke and/or permit requirements
5. Drainage system and detention ponds are to be installed during plating process (No longer allowing postponement of detention system for building permit/construction phase)
6. Sites located in Flood zones and within City limits will require Base Flood Elevation (BFE) to be noted in report
7. Sites located in low-lying areas and outside of City limits will require Base Flood Elevation (BFE), Letter of Map Amendment (LOMA) or Letter of Map Revision (LOMR), and an Engineering Impact study.
8. If adjacent to a ditch, Right-of-way dedication will be required either 75' from the center of the existing ditch or 75' from the property line whichever is greater.

Review Notes:

- 1.