

DOCUMENT 01105

**MINIMUM CONSTRUCTION DRAWING REQUIREMENTS
FOR PRELIMINARY REVIEW/APPROVAL**

PART I: SUBMITTAL

1.1 CITY OF FRIENDSWOOD (COF)

- A. Submit four (4) copies of drawings.
- B. Submit by 5:00 PM a minimum of fourteen calendar days (14 cD) prior to the next regularly scheduled meeting of the City's Planning and Zoning Commission.

1.2 GALVESTON COUNTY CONSOLIDATED DRAINAGE DISTRICT (GCCDD)

- A. Submit six (6) copies of drawings.
- B. Submit by 5:00 PM a minimum of fourteen working days (14 wD) prior to the next regularly scheduled meeting of the District's Board at which project will be discussed.

1.3 HARRIS COUNTY FLOOD CONTROL DISTRICT (HCFCD)

- A. Submit three (3) copies of the drawings.
- B. Submit drawings to the Harris County Public Infrastructure Department, Architecture and Engineering Division, Permits.

PART II: REFERENCES

2.1 CITY OF FRIENDSWOOD

- A. City of Friendswood Code of Ordinances (COFCO).
- B. City of Friendswood Design Criteria Manual (COFDCM).
- C. City of Friendswood Standard Details (COFSD).
- D. City of Friendswood Technical Specifications (COFTS).

2.2 GALVESTON COUNTY CONSOLIDATED DRAINAGE DISTRICT

- A. Galveston County Consolidated Drainage District Design Criteria

Manual (GCCDD – DCM).

2.3 HARRIS COUNTY FLOOD CONTROL DISTRICT (HCFCD)

- A. Harris County Flood Control District Design Criteria Manual (HCFCD – DCM).

PART III: DRAWINGS

3.1. GENERAL REQUIREMENTS

- A. All drawings shall have a title block.
- B. All drawings shall have a sheet number.
- C. All drawings shall be printed on twenty-four inch by thirty-six inch (24 In x 36 In) nominal paper.
- D. All drawings shall have a graphic scale.
- E. Current Flood Zone Determination statement.

3.2 TITLE SHEET

- A. Proposed Name of Project or Subdivision.
- B. Detailed area key and vicinity map.
- C. Owner:
 - 1. Name: If a corporation, also list a contact person.
 - 2. Address (include City, ST and ZIP).
 - 3. Phone Number.
- D. Engineer:
 - 1. Company Name.
 - 2. Address (include City, ST and ZIP).
 - 3. Phone Number.
 - 4. Contact Person.
 - 5. NOTE: Shall be licensed by the State of Texas.

E. Surveyor:

1. Company Name.
2. Address (include City, ST and ZIP).
3. Phone Number.
4. Contact Person.
5. NOTE: Shall be licensed by the State of Texas.

F. Date.

3.3 GENERAL NOTES

- A. Use current COF General Notes Standard Detail Drawing.
- B. Add GCCDD General Notes to all drainage sheets (if applicable).
- C. Add HCFCD General Notes to all drainage sheets (if applicable).

3.4 DETAILS AND SPECIFICATIONS

- A. Use the current COF Standard Details.
- B. Use the current COF Technical Specifications.
- C. There shall be no deviations from City of Friendswood Standard Details. If the development has other details that apply to the specific project that are not shown on COF Standard Details they shall be submitted on separate sheet and listed as "Special Details".
- D. There shall be no deviations from City of Friendswood Technical Specifications. If the development has other details that apply to the specific project that are not shown on COF Technical Specifications they shall be submitted on separate paper and listed as "Special Specifications".

3.5 ALL OTHER DRAWINGS

- A. Scale shall be a minimum of one inch equals one hundred feet (1" = 100') and shall be a graphic depiction.
- B. COF Standard Signature Block.

- C. GCCDD Signature Block on Drainage Work Drawings (if applicable).
- D. HCFCD Signature Block on Drainage Work Drawings (if applicable).
- E. Revisions.
- F. Date.
- G. Benchmark, reference and adjustment data.
- H. Show plan and profile for all water, sanitary sewer and storm sewer utilities.
- I. Seal, date and original signature of the Professional Engineer licensed by the State of Texas.

3.6 OVERALL LAYOUT AND PLAT

- A. Show Boundaries of Ownership.
- B. Adjacent landowners shall be identified.
- C. Contour lines shall be at one-half foot (1/2 Ft) intervals on the proposed development site and one foot (1 Ft) intervals surrounding the proposed development site. Contour lines shall extend two hundred feet (200 Ft) beyond proposed development site.
- D. Public Land shall be identified including but not limited to reserves and parks, ROW and easements.
- E. Legal Description of proposed development site.
- F. Total Acreage.
- G. Tracts larger than one hundred acres (100 Ac) or cut out of a tract larger than one hundred acres (100 Ac) shall have a Preliminary Engineering Report completed and approved.
- H. Tracts larger than one hundred acres (100 Ac) or cut out of a tract larger than one hundred acres (100 Ac) shall have a Master Conceptual Plan.
- I. Benchmark, reference and adjustment data.

3.7 DRAINAGE

- A. Show limits of one hundred year (100-Yr) flood plain.

- B. Location of drainage pipes, ditches and easements.
- C. Location of major drainage arteries and detention facilities.
- D. Contour lines shall be at one-half foot (1/2 Ft) intervals on the proposed development site and one foot (1 Ft) intervals surrounding the proposed development site. Contour lines shall extend two hundred feet (200 Ft) beyond proposed development site.
- E. Points of crossing major existing arteries.
- F. All drainage pipes, ditches, channels, arteries, etc. within two hundred feet (200 Ft) of the proposed development site.
- G. Location of Inlets and Manholes.
- H. COF Storm Sewer Standard Details Drawing.
- I. Current Flood Zone determination statement.
- J. Inlet capacity table.
- K. Five year (5-Yr) storm table.
- L. Detention facility (if applicable).

3.8 WATER AND SEWER

- A. Location of waterlines, sewer lines, manholes, valves and fire hydrants.
- B. Location of water and sewer service leads.
- C. Location of Force Mains and Lift Stations.
- D. Location of all water and sewer within two hundred feet (200 Ft) of the proposed development site.
- E. COF Water Standard Details Drawing.
- F. COF Sanitary Sewer Standard Details Drawing.

3.9 STREETS

- A. Location of all streets.
- B. Name of all streets.

- C. Location of Rights-of-way and width.
- D. Location of Street Signage and Traffic Control Devices.
- E. Location of all streets and right-of-way within two hundred feet (200 Ft) of the proposed development site.
- F. Location of Sidewalks.
- G. COF Paving Standard Details Drawing.
- H. COF Miscellaneous Standard Details Drawing.

3.10 UTILITIES (CABLE, GAS, ELECTRIC AND TELEPHONE)

- A. Location and types of all utilities and utility easements.
- B. Location of all utilities and types within two hundred feet (200 Ft) of the proposed development site.

END OF DOCUMENT

