



SUSSEX COUNTY ENGINEERING PLAN SUBMISSION FORM

Project Name: _____ Date: _____

Project Description: _____

Location: _____

Number of Building Lots/Units: _____

Total Feet of Forcemain: _____

Commercial Units: _____

District: _____ Map: _____ Parcel: _____

Review Fee Amount: (Roads) \$ _____ (Sanitary Sewer and/or Water) \$ _____
(Separate checks for Roads and Sewer are required)

Planning & Zoning Development Approval:

Subdivision No.: _____

RPC, Change of Zone Ordinance No.: _____

Conditional Use Ordinance No.: _____

Commercial Site Plan: _____

Zoning Designation: _____

Approval Date: _____

Approval Date: _____

Approval Date: _____

ie; AR-1, MR, HR

Ownership:

Sewer: Public _____ Private _____

Water: Public _____ Private _____

Roads: Public _____ Private _____

Developer's Name: _____

Contact Name: _____

Address: _____

City: _____ State: _____ Zip Code _____

Phone Number: _____ Email address: _____

Design Firm: _____

Contact Name: _____

Contact Phone Number: _____

Please be advised, for all developments with onsite community sanitary sewer treatment and disposal systems, a copy of the DNREC Permit verifying capacity for the number of units proposed will be required.

Other:

PLAN REVIEW FEE SCHEDULE

CHAPTER 99 – SUBDIVISION

FLAT FEE	<u>\$2,500.00</u>
PER UNIT FEE	<u>\$42.00 EA</u>

CHAPTER 110 SEWER AND WATER

SEWER

1. FLAT FEE	\$2000.00
2. PER UNIT FEE	\$20.00 EA
3. PUMPING STATION WITH UP TO 1000 FEET OF FORCE MAIN (EACH)	\$2,500.00 EA
4. FORCE MAIN IN EXCESS OF 1000 FEET	\$150.00 PER 1000 FEET EA*

* This fee is not prorated, i.e. 2247 LF Force main costs \$300.

It calculates as: 0' to 1000' = \$0; 1000' to 2000' = \$150; 2000' to 2247' = \$150 → \$300.00 Total

WATER SUSSEX COUNTY WATER DISTRICTS ONLY

1. FLAT FEE	\$1500.00
2. PER UNIT FEE	\$10.00 EA

ADDITIONAL REVIEWS AFTER THE FIRST TWO REVIEWS COMPLETED:

THIRD REVIEW	60% ORIGINAL PLAN REVIEW FEE
FOURTH REVIEW	50% ORIGINAL PLAN REVIEW FEE
FIFTH REVIEW	40% ORIGINAL PLAN REVIEW FEE

PLAN REVISIONS

There will be a fee of \$1,000.00 for each revision after County's approval of the plans for Chapter 99 (roads) and/or Chapter 110 (sewer and water).

If plans are redesigned, plans will be charged with original submission review fees.

Adopted July 1, 2017

CONSTRUCTION PLAN REQUIREMENTS

Construction plan sets shall include, but are not limited to, the following:

General

- 1. A total of two (2) complete sets of plans are to be submitted.
- 2. A Phase Identification Plan.
- 3. A plan Cover / Title Sheet with an index of the sheets included in the plans.
- 4. A sheet index, if applicable.

Chapter 110

- 5. An approved Sewer Concept Plan or a Letter indicating one is not needed in each set of the construction plans.
- 6. Sanitary Sewer and/or Central Water System Plans, Profiles, Details and Specifications.

Chapter 99

- 7. Preliminary Site Plan or Record Plat approval letter.
- 8. Conditional Use Ordinance with conditions and stipulations.
- 9. Change of Zone Ordinance with conditions and stipulations.
- 10. A copy of the approved preliminary Site Plan, Master Plan or Record Plat stamped, signed and dated by Planning and Zoning in each set of the design plans.
- 11. Private Road Construction Plans, Profiles, and Details. Include details for all structures related to regulated improvements such as but not limited to; bridges, retaining walls, etc.
- 12. Include within the construction plans, improvements required by the Planning and Zoning Commission or Sussex County Council approvals; i.e. sidewalks, streetlighting and landscaping.
- 13. The DELDOT Entrance Plan.
- 14. The State Fire Marshall's Office Plan.
- 15. The Stormwater Management Plan and the Erosion and Sediment Control Plan with one (1) copy of the Stormwater Management Report and calculations.
- 16. Other Utility Plans including but not limited to; Water, Gas, etc.

GRAVITY SEWERS

Design Information:

Type of pipe: _____

Length: _____ ft. Diameter: _____ in.

Number of Manholes: _____ Maximum distance between manholes? _____

Minimum slope provided: _____ ft/ft. Minimum velocity provided: _____ ft/sec.

Minimum ground cover for pipe provided _____ ft.

Design flow:

Average Daily Flow: _____ gallons/day

Peak Design Flow: _____ gallons/day

Capacity _____ gallons/day

Joint Specifications: _____

Are drop type manholes provided? _____

Will minimum ten-foot (10) horizontal and eighteen inch (18) vertical separation from water lines be maintained? _____

Jack & Bores (Number, Length): _____

Stream crossings: _____

Other Comments:

PUMP STATIONS & FORCE MAINS

(If more than one station is being proposed, please complete the following for each station and forcemain)

Station Number: _____

Station Capacity:

Design Flow: _____ gallons/day

Average Flow: _____ gallons/day

Peak Flow: _____ gallons/day

Non-clog or Grinder Pumps: _____

Design Considerations for Pump Station:

Can peak flow be accommodated if largest unit fails? _____

Are check valves provided on the discharge line? _____

If not, explain alternative procedure

Are gate valves provided on the discharge line? _____

Is ventilation provided in wet well? _____

Is an alarm system included? _____

Is an alternate source of power provided? _____

List other provisions included for emergency operations?

Physical Conditions:

Height of influent above pump (suction head): _____ ft.

Height of pump effluent above pump (discharge head): _____ ft.

Friction loss: _____ ft.

Pump capacity: _____ gal/min.

Head Characteristics:

Static head: _____ ft.

Total head: _____ ft.

Horsepower Characteristics:

Required motor horsepower _____ hp.

Design Considerations for Force Main:

Directional Drill or Open Cut? _____

Pipe Material: _____

Hazen-Williams "C" factor used for design _____

Diameter: _____ in. Total Length: _____ ft.

Velocity at design average flow _____ ft/sec.

Are air relief valves specified? _____

Minimum ground cover for pipe provided? _____

Are drop type manholes provided? _____

Will minimum ten-foot (10) horizontal and eighteen-inch (18) vertical separation from water lines be maintained? _____

Type of joint specified? _____

Other Comments:
