

## **BEL HAVEN PLUMBING REQUIREMENTS**

### **UNDERGROUND PLUMBING**

- Install 1/3 HP Blue Angel sump pumps
- No 4" required to 1st branch – just put 4" tee at wall and bush down to 3"
- Backwater valves required on all basement fixtures
- Put plastic tub boxes on all tub or shower drain roughs
- 1/8" per foot fall on 3" and 4" pipe
- 1/4" per foot fall on 2" pipe

### **WATER LINES**

- Need pressure regulators
- Need Watts 7 Dual Checks
- Need Expansion tanks
- Valves required on all hose bibs
- Test required on water lines – leave on 70psi or higher
- Need Temp valves on deck mount faucets
- Water heater pans required – plastic pan for elec. / metal for gas
- Any hot water line over 50' must have a hot return line ran back to water heater

### **GAS LINES**

- Duke does own gas test – test our gas line and pull test and tie in all fixtures
- Gas line must be grounded if any flex is used before insp is scheduled
- Sleeve gas line where it exits house regardless if brick or siding
- Sleeve any flexible line going through any floors

### **2nd ROUGH PVC**

- BOCA nail plates not required – use all regular nail plates
- Must have a 3" vent
- No AA valves permitted – must loop vent kitchen sinks if needed
- Washer box with Laundry tub must have 3" to base of washer stack
- Washer without laundry tub must be 3" to base unless washer is drained into vented horizontal branch, then you can run 2".
- Must tie in vents to future rough ins
- Grind off backwater valves, check if flapper operational and put back lid on it
- Install 1/2 HP Zoeller sump pumps
- Put boards behind pedestal sinks 29.5" off floor, make sure drain for pedestal sink perfect center and 18.5" off floor.
- Make sure kitchen drains 14-16" off floor