DEVELOPMENT UTILITY NEEDS ANALYSIS

Application No._____ Date_____

Development Name_____

Property Owner_____ Address_____

Agent_____ Address_____ Phone_____

Location of Development_____
(Nearest Intersection)

TYPE OF DEVELOPMENT

☐ RESIDENTIAL

☐ Single Family
_____ # of Lots
_____ # of Dwelling Units
_____ Avg Sq Footage

☐ Multi-Family
_____ # of Lots
_____ # of Dwelling Units
_____ Avg Sq Footage

☐ Apartments
_____ # of 1 Bedroom
_____ # of 2 Bedroom
_____ Avg Sq Footage

☐ COMMERCIAL

☐ **Hospital/Medical**
# of Beds _____
# of Employees_____
Square Footage_____

☐ **School**
# of Students _____
Square Footage_____

☐ **Food Service**
Fast Food seat #_____
Eat-in seat #_____
Square Footage_____

☐ **Motel/Hotel**
# of units_____
Square Footage_____

☐ **Office/Retail**
# of Employees_____
Square Footage_____

☐ **Shopping Center**
Square Footage_____

☐ **Other**
Describe:

☐ INDUSTRIAL

_____ Shift Length (hrs) _____ # of Employees _____Square Footage

_____ # of Shifts (1,2 or 3) _____ 5,6, or 7 day operation

Shower facilities Available: ☐Yes ☐No

DEVELOPMENT SITE INFORMATION

Highest Elevation (NAVD 88)_____ Lowest Elevation (NAVD 88)_____

Is 100 year Flood Plain located within boundaries of development? ☐Yes ☐ No

PERMANENT ELECTRIC SERVICE INFORMATION

RESIDENTIAL

_____ Service Size (Amps) _____ Type of Heating System (Elec, Nat Gas, Propane, Other –specify)

_____ Back-up Electric Heating System Size (kW) for Electric Heat

_____ Air Conditioning Size (Tonnage per Unit) _____ # AC Units

PERMANENT ELECTRIC SERVICE INFORMATION

COMMERCIAL/INDUSTRIAL

_____ Service Size (Amps)

☐ Single Phase ☐ 120/240 Volts

☐ Three Phase ☐ 120/208 Volts ☐ 277/480 Volts

_____ Service Conductor Size _____ # Conductors per Phase _____ Type of Conductor (Cu, Al, compact, etc.)

List the following loads in connected kilowatts (kW) only.

_____ Lighting _____ Air Conditioning _____ Heating _____ Motors

_____ Welders _____ Other

Largest Motor Information

_____ HP _____ Start (soft or across the line) _____ Single or Three Phase _____ Starts per Hour

Welder Information

_____ Type _____ Voltage _____ Single or Three Phase _____ Full Load Amps

OTHER INFORMATION

_____

_____

_____

_____

_____

_____

_____

_____

_____

City of Lebanon Use Only

Water Distribution Preliminary Analysis

Water Distribution System Pressure Zone of Development _____ Tank Operation Level_____

Tank Level _____ - _____ Highest Elevation = _____ X 0.433 PSI/ft = _____PSI (approximate min pressure)

Tank Level_____ - _____Lowest Elevation = _____ X 0.433 PSI/ft = _____PSI (approximate max pressure)

Actual Flow available at site from Fire Flow: _____GPM Flow available at 20 PSI: _____GPM

Wastewater Collection Preliminary Analysis

Existing Sanitary Sewer System invert elevation at connection point _____ Gravity feed available ___Yes ___ No

Downstream Critical Section: Pipe Diameter (in):_____ Slope:_____ Current Flow:_____GPD

Does downstream critical section have capacity for expected flow? ___Yes ___No

Industrial Waste Discharge Survey Completed? ____Yes _____No