



## MEMO

Date: August 20, 2018

To: Devan Herrera, SHWSC New Services

From: Nancy A. Turner, P.E.

RE: **Parkside Subdivision- Feasibility Analysis**

---

In reference to the above-mentioned project, we have completed our review of the potential impacts to the Springs Hill Water Supply Corporation's (SHWSC) water distribution system with the additional demand requirements of the proposed subdivision. Based on the information provided, the developer proposes to construct a residential subdivision east of State Highway 46 along Pieper Road, consisting of maximum 910 equivalent dwelling units (EDUs) plus an additional 162,043 gallons per day (gpd) for irrigation.

### **Water Model Assumptions**

The proposed subdivision appears to be located within the New Braunfels Extraterritorial Jurisdiction (ETJ) Limits and therefore, residential fire flow was applied to the water distribution model in addition to the anticipated average daily demand to serve 910 EDUs for domestic use and 162,043 gpd for irrigation. The connection assumptions used were a proposed 8" diameter pipe connected to the existing 12" diameter pipe along Pieper Road at the proposed subdivision.

### **Result of Analysis**

The Springs Hill WSC system water model indicated the distribution system **could** support the 910 EDUs for domestic use, irrigation, and fire flow. Therefore, the 910 EDUs may be served in the proposed subdivision without negatively affecting the distribution system or compromising any minimum requirements set forth in the Texas Commission on Environmental Quality Rules and Regulations.

### **Expiration of Findings**

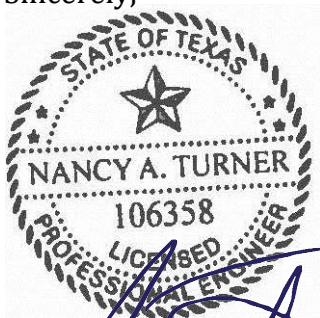
A study or analysis such as this should be theoretically accurate for 60 days. Feasibility analyses are processed on a first come first serve basis. The developer may secure capacity needed for these lots by the execution of a Non-Standard Service Agreement between the developer and Springs Hill Water Supply Corporation (SHWSC) as soon as possible and providing the WSC with the appropriate water reservation fees. Please note that reservation fees are not the same as feasibility study fees.

---



The developer must agree to, by signature, a Non-Standard Service Agreement with SHWSC and provide the Water Supply Corporation with the appropriate reservation fees before connecting to the water system. Up to the time the developer executes the Agreement, M&S Engineering will need to verify the required infrastructure improvements and available capacity of water service, for it is possible that another development secure capacity in this area of the water distribution system and affect the results herein.

Sincerely,



*Nancy A. Turner, P.E.*

Nancy A. Turner, P.E.