



HISTORIC  
FRANKLIN  
TENNESSEE

ITEM #3  
CIC  
4-11-13

## MEMORANDUM

---

April 1, 2013

TO: Board of Mayor and Aldermen

FROM: Eric S. Stuckey, City Administrator  
Paul P. Holzen, Director of Engineering  
Katie Rubush, Staff Engineer II

SUBJECT: Sewer Availability Request for 1825 Wilson Pike (Map 61 Parcel 4.01).

### **Purpose**

The purpose of this memorandum is to forward to the Board of Mayor and Aldermen (BOMA) a request for sanitary sewer availability for 1825 Wilson Pike (Map 61 Parcel 4.01).

### **Background**

A request for sanitary sewer availability (13-SFUE) for 1825 Wilson Pike (Map 61 Parcel 4.01) was submitted on 3/27/2013. The property is located in the City of Brentwood and is owned by the City of Brentwood. In addition to the existing estate home on the property, the City of Brentwood proposes to build five additional bathrooms throughout the property to serve a proposed park (Smith Park). While in the City of Brentwood, this project is directly adjacent to the Franklin City Limits and the Urban Growth Boundary. If availability is granted, the sewer would be connected to the sewer in the subdivision south of the development (Avalon) and would be pumped to the Spencer Creek Basin. The distance from the existing City of Franklin sewer to the subject property is approximately 200 feet.

It has been the Board's policy to require properties located outside of the City limits and requesting more than 1 SFUE to also require annexation. This property however is owned by the City of Brentwood and will not be annexed into the City of Franklin.

### **Financial Impact**

None.

### **Recommendation**

Staff recommends granting availability.



HISTORIC  
FRANKLIN  
TENNESSEE

# Request for Water and/or Sewer Availability & Associated Costs

Please fill in the following information & return this form with the site plan per directions below. Incomplete forms will result in the request being returned until all of the information is included. Refer to the attached memo for fees and additional information.

Type of Availability Requested:	<input type="checkbox"/> Water Only <input type="checkbox"/> Sewer Only <input type="checkbox"/> Water & Sewer
Project Name	City of Brentwood - Smith Park
Subdivision, Section, Lot #	-
Map & Parcel #	Map 61, Parcel 4.01
Property Address	1825 Wilson Pike
Existing Zoning	SI3 - Service Institution
City Project # (If Applicable)	
Anticipated sewage flows in Single Family Unit Equivalents (SFUEs). 1 SFUE = 350 GPD.	850 gpd @ 2.43 SFUE's
Anticipated Water Meter Size	1 inch
Applicant's Name & Company	City of Brentwood, TN Smith Park
Applicant's Address	5211 Maryland Way Brentwood, TN 37027
Applicant's Email	miltonc@brentwood-tn.org
Applicant's Phone #	(615) 371-0080

\* MUST submit a preliminary plan with site map, including existing water and sewer lines near the site.

**Apply to:**

Katie Rubush, P.E. – Engineer II  
City of Franklin Engineering Department  
109 3<sup>rd</sup> Ave South  
Franklin, TN 37065

Date Submitted: \_\_\_\_\_

**From:** Whitson, Rob [mailto:rob\_whitson@gspnet.com]  
**Sent:** Monday, March 04, 2013 3:53 PM  
**To:** Harris, Mike  
**Cc:** Flatt, Michael  
**Subject:** RE: Water & Sewer Service @ Smith Park

The demand listed for our TDEC submittal was 550 GPD for the current phase. I was calculating 350 GPD for the house and 100 GPD for each restroom facility. The master plan includes two more restrooms planned for the east part of Smith Park (assuming the west side is still going to connect through Carriage Hills subdivision) which brings the total to 750 GPD. This equates to a very low peak water flow demand of about 2 GPM.

The fire hydrant flow required is 1,000 GPM.

350 + 500  
Estate (5x100) } 850 TOTAL  
House Restroom  
Blkgs

I've also attached the sewer sketch we discussed involving the Avalon pump station connection.

SEWER  
DEMAND

**Rob Whitson, P.E.**

GRESHAM, SMITH AND PARTNERS  
[P] 615.770.8312

**From:** Harris, Mike [mailto:harrism@brentwood-tn.org]  
**Sent:** Monday, March 04, 2013 2:50 PM  
**To:** Whitson, Rob  
**Cc:** Flatt, Michael  
**Subject:** Water & Sewer Service @ Smith Park

Rob,

Can you provide the water demand Gresham calculated for the project? We have had preliminary discussions with Milcrofton Utility District about the potential of them serving the park. They are the service provider for Avalon where we are looking at potentially connecting to sewer. Milcrofton requested our demand in order to determine if they could serve the park. If possible I'd like to have normal demand and fire demand separately.

Thanks,

Mike

This message has been prepared using resources owned by the City of Brentwood. Tennessee and is subject to the City's policies on use of City provided technology. E-mail created or received through the City's computer system by any City employee or official may be considered a public record, subject to public inspection, under the public records laws of Tennessee.

This E-mail, and any attachments thereto, is intended only for use by the address(es) named herein and may contain proprietary, legally privileged, confidential or copyrighted information belonging to the sender. If you are not the intended recipient of this E-mail, you are hereby notified that any use of, reliance on, disclosure, dissemination, distribution or copying of the contents of this e-mail, and any attachments thereto, in whole or in part, is strictly prohibited. If you have received this E-mail in error, please immediately notify me by phone or by return E-mail and permanently delete the original and any copy of any E-mail and any printout thereof. Mail delivered by Gresham, Smith and Partners mail system.

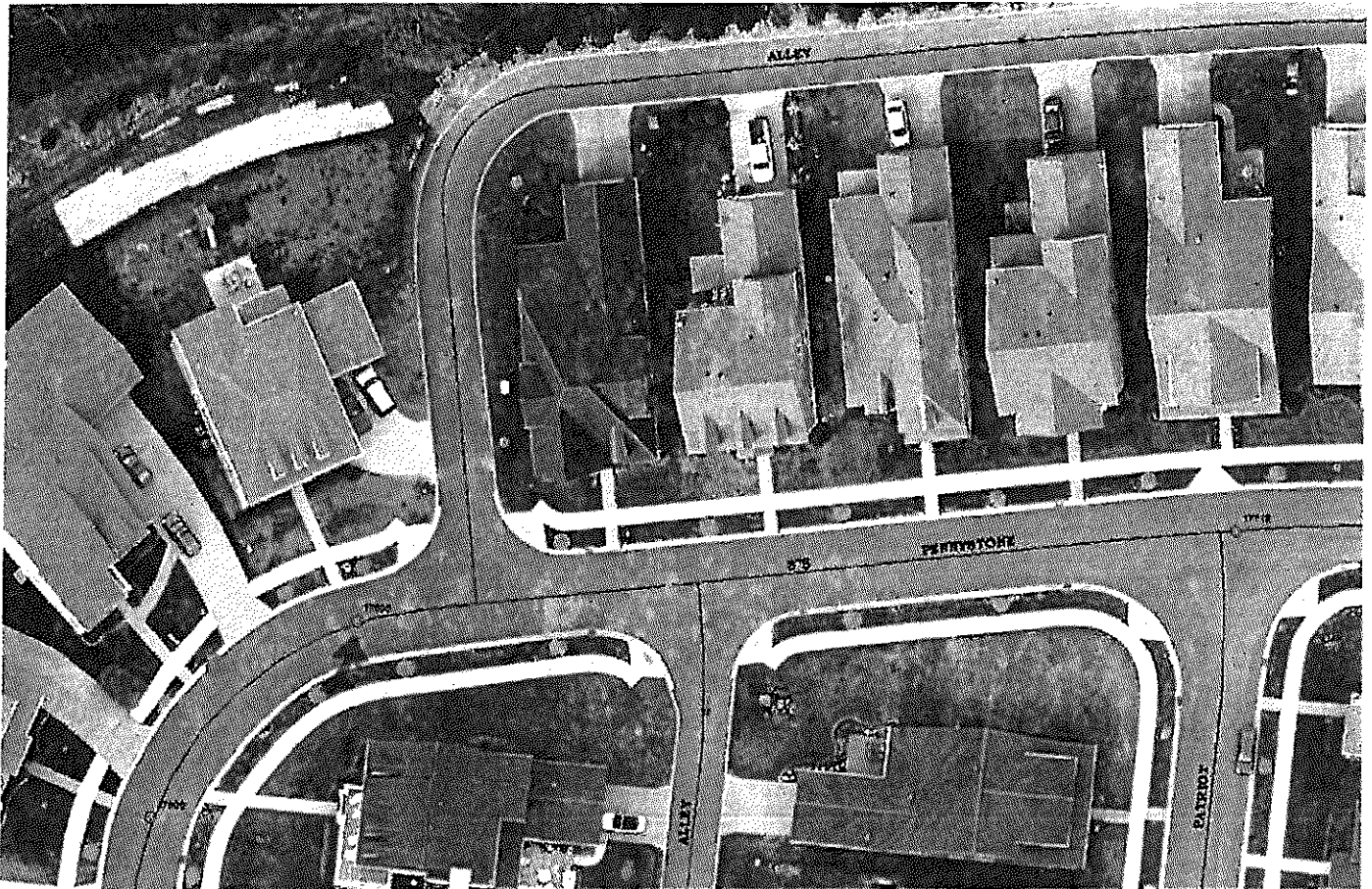
**Milton, Chris**

---

**From:** Mark Hilty <mark.hilty@franklintn.gov>  
**Sent:** Tuesday, March 19, 2013 4:00 PM  
**To:** Milton, Chris  
**Subject:** RE: Sewer connection

Chris,

This is the area where you would connect. Data for each manhole is below. Hope this helps.



OBJECTID	17605
PIPEOUTELV	809.94
PIPOUTAZIM	84
PIPEOUTSIZE	8
PipeMatD	polyvinyl chloride
PIPE1ELEV	810.14
PIPE1AZIM	47
PIPE1SIZE	8
Pipe1MatD	polyvinyl chloride
PIPE2ELEV	<null>

PIPE2AZIM	<null>
PIPE2SIZE	<null>
Pipe2MatD	<null>
SRVCESIZE	6
surf	Street
zcoord	810.04
MNDPTH	9.36
BARLDIAM	8
CVRDIAM	26
RIMEL	819.3

OBJECTID	17718
PIPEOUTELV	798.3
PIPOUTAZIM	93
PIPEOUTSZE	8
PipeMatD	polyvinyl chloride
PIPE1ELEV	798.5
PIPE1AZIM	5
PIPE1SIZE	8
Pipe1MatD	polyvinyl chloride
PIPE2ELEV	798.5
PIPE2AZIM	84
PIPE2SIZE	8
Pipe2MatD	polyvinyl chloride
SRVCESIZE	6
surf	Street
zcoord	798.4
MNDPTH	11.9
BARLDIAM	8
CVRDIAM	26
RIMEL	810.2

**From:** Milton, Chris [<mailto:miltonc@Brentwood-tn.org>]  
**Sent:** Tuesday, March 19, 2013 1:17 PM  
**To:** Mark Hilty  
**Subject:** Sewer connection

Mark, just a quick follow up to my earlier email today. After talking to Milcrofton about water service, it appears that they wish for us to connect to their water system near the northwest corner of the Avalon development. Since that is the case, I want to ask you, if granted approval, would it also then be possible for us to parallel the water line with a pressure main which would allow us to avoid "tearing up" part of the development in two separate places? I've attached a map of the area I'm referencing. Please let me know if you have any questions.



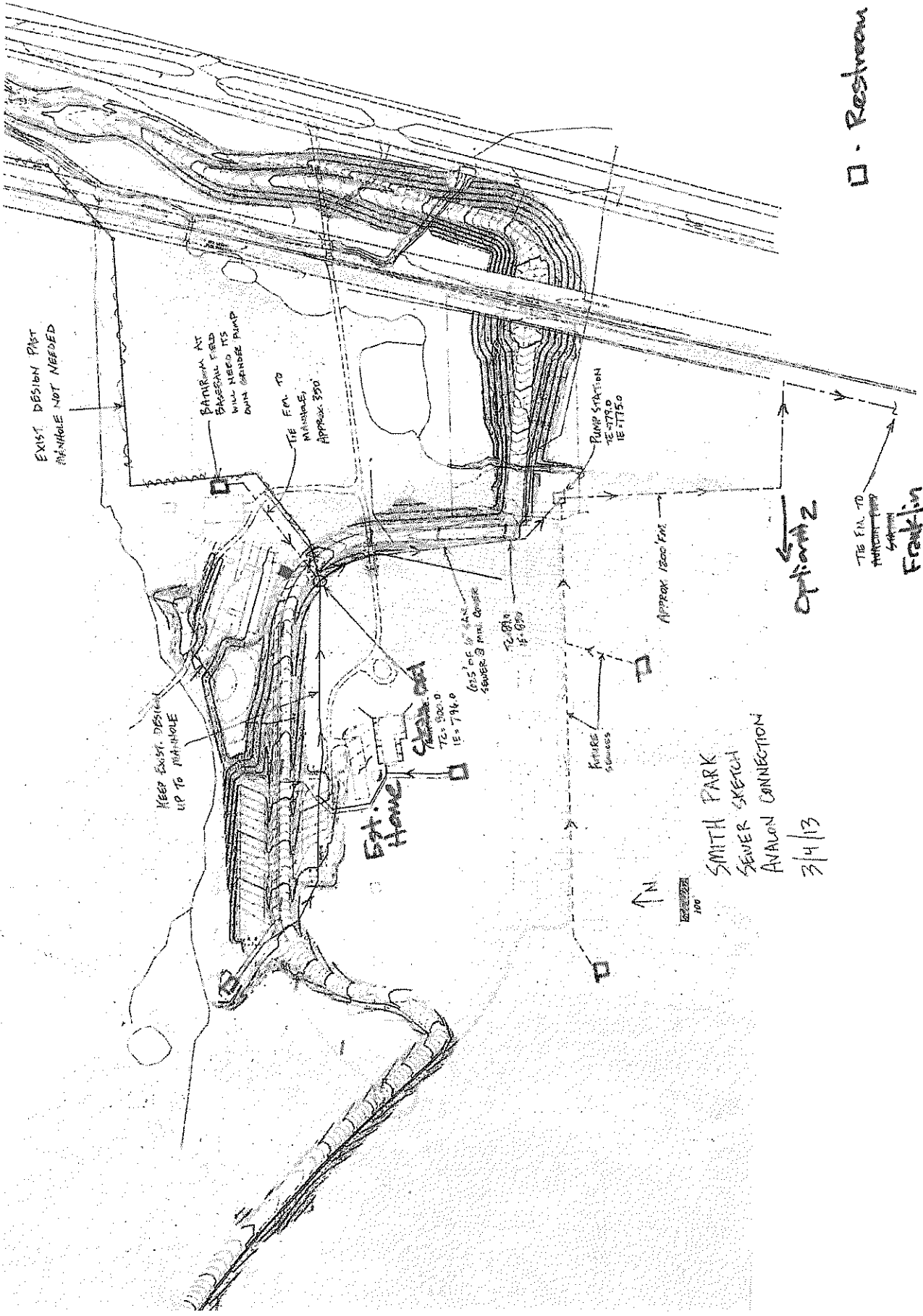


Estate Home  
(Proposed Fire Hydrant  
near home).

Smith Park Property

One of five restroom  
facilities (yellow boxes  
depict the approx. location  
of planned restrooms)





EXIST. DESIGN PART  
MANHOLE NOT NEEDED

BARBER AT  
BASEBALL FLD  
WILL NEED ITS  
OWN GRINDER PUMP

TIE FM. TO  
MANHOLE  
APPROX. 300'

PUMP STATION  
15' x 17.5'  
5'0"

KEEP EXIST. DESIGN  
UP TO MANHOLE

Est. Home  
72.5' x 50' x 0'  
15' x 7' x 0'

6.5' x 6' x 6' CAN  
SEWER 3' DIA. QUOTE

72.5' x 15' x 0'

APPROX. 1200' FM.

↑ N

1" = 100'

SMITH PARK  
SEWER SKETCH  
ANALYSIS CONNECTION

3/4/13

Option 2

TIE FM. TO  
MANHOLE  
SEWER  
Franklin

□ - Restroom Facility



1825 Wilson Pike

1825 Wilson Pike

GREY POINTE

WILSON PIKE

Urban Growth Boundary  
and City Limits

Existing Estate Home

Proposed Restroom (Typ.)  
Location Approximate

PENNYSTONE

200'

