

600 ZONE WATER STORAGE TANKS Alternate Site Analysis

Prepared by:

Urban, Ltd.

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FINAL



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INTRODUCTION

Purpose and Scope

Based on previous studies Loudoun Water had selected a water storage tank location within the Grant at Willowsford subdivision for the purpose of serving customers in the 600 Water Pressure Zone (600 Zone) of Loudoun Water's central service area. The purpose of this study is to identify additional alternate properties, using certain screening criteria, which could potentially support an elevated water storage tank.

Water storage tanks must be located strategically for maximum benefits including capital and operating costs, system hydraulics, and water quality. Generally, the best tank locations are near the center of use and on high-ground. Since water tanks are used to store drinking water for customers, it is important to understand that water-quality must be a primary concern in siting the right tank at the right location. While some criteria considered in this analysis can positively impact water quality (e.g., central location), further analysis focused specifically on water quality should be performed to determine the water quality impacts for a given location.

Study Area

The study area consists primarily of Loudoun Water's defined 600 Zone: approximately 12,000-acres of land located in the western portion of Loudoun Water's Central Service Area that extends between Bull Run and Goose Creek. Parcels within the 600 Zone are permitted to be served by central utilities. Also included in the study area is a small group of properties which are surrounded by Loudoun Water's Central Service Area, but are not part of it due to County policy considerations. These parcels lie just west of Evergreen Mills Road, north of Fleetwood Road, and south of the Woodlands subdivision.

INITIAL SCREENING

The first step in looking at potential alternate site locations was to create a list of the properties within the study area which met certain minimum requirements. The Loudoun County Zoning Ordinance places certain setback requirements on elevated water storage tanks, with lower tanks – as measured from the grade at the base of the structure to the top of the structure – requiring smaller parcels. Based on prior experience on similar projects, applying the setback criteria to a site consisting of two (2) storage tanks of 200-feet in height results in the need for a parcel of land roughly 5 to 6-acres in size. Properties with higher elevations require less storage tank height and therefore less property may be needed in these instances. Given this list of

properties, additional screening measures were then applied during the initial screening process.

The initial screening identified nearly 60 properties for analysis. The results are presented in a table included in Appendix A and on an exhibit Identified as Figure 1.

Hydraulic Requirements

The initial site screening included two key hydraulic criteria. A hydraulically efficient site is preferred over one which is less efficient. Sites which are more efficient will likely have lower start up costs as well as lower recurring costs over the life cycle of the facility.

The first hydraulic metric was to determine those sites within the 600 Zone which had existing ground elevations greater than 400-feet above mean sea level. The 400-foot elevation level was selected as it results in a nominal tank height of roughly 200-feet in order to reach the required 600-feet of pressure head in the system. Loudoun Water's prior experience in developing similar tank sites has shown that tanks with heights greater than 200-feet have significantly greater construction and maintenance costs.

The second hydraulic screening requirement was to look for sites which were centrally located within the 600 Zone. Placing a tank centrally within the 600 Zone is efficient as it limits the distance that the water would need to be pumped. Loudoun Water already operates pump stations in Dulles South and Brambleton, which are sources of water for the proposed 600 Zone tanks. It also results in placing the tanks closer to the main population center of the 600 Zone. A potential tank site was considered centrally located if it was located north of Route 50 where it maximizes efficiencies from the existing pumping stations.

General Requirements

In addition to the hydraulic requirements, a potential alternate site must also meet a couple of key general requirements. The means of access to each property was reviewed and the primary road from which access would occur has been listed. A few of these roads, such as Route 50 and Evergreen Mills Road are paved roads. Others, such as Red Hill Road and Stone School Lane are gravel roads. A gravel, or rural, road section is typically a much harder means of access to a property as compared to a paved road due to it being narrower, having sharper curves, as well as a less reliable riding surface.

The general screening included looking at each of the properties to see if development of a roughly 5-acre tank site was viable. Sites were considered viable if they were not being presently used predominately as a single-family detached residence or if they were known to be platted community open space or conservancy lots. It was also assumed that properties were

considered "vacant" if the Loudoun County tax assessment website listed them as vacant, regardless of whether any structure exists on the property.

Most properties in the 600 Zone are located in the Transition Policy Area, but one subdivision — the Woodland Rural Village — is located in the Rural Policy Area. Generally, properties in the Rural Policy Area cannot be served by central utilities unless specific legislative action is taken by the Loudoun County Board of Supervisors to permit such service. The County's Comprehensive Plan specifically notes that central utilities may be permitted in the Woodland Rural Village.

SECOND LEVEL SCREENING - ENVIRONMENTAL FACTORS

For the properties determined to be viable alternate site options, a set of environmental screening factors were applied. Sites which have a low potential for environmental issues are desired over sites which appear to have the potential for environmental issues. The environmental screening factors included: site access, wetlands, and steep slopes. These measures were screened via a desktop review of the Loudoun County GIS data available for property and right-of-way lines, predicted wetlands, and steep slopes. The results of the second level screening are presented in a table in Appendix B. Sites which are not expected to present problems in these categories were given with an "N". Sites which might have the possibility of problems were given an "M". Sites which appeared to have potential problems in these categories were given a "Y".

DISCUSSION OF POTENTIAL SITES

The site screening results identified several properties which have the potential for a water storage tank development. These are each briefly discussed in this section. The sites have been grouped and presented based on the fee simple ownership entity of the property. The order in which they are presented does not imply a specific ranking or site preference. See Figure 1 for color coded groupings.

Brambleton Land (Properties 43-47)

The Brambleton Group owns 5 properties along the east side of Evergreen Mills Road just north of the 510/600 Zone boundary. The parcel between Properties 46 and 47 was not identified on the map as it has been developed as a landscape nursery. Properties 43-46 are zoned PDH-4 as part of the original Brambleton rezoning. Property 47 is zoned TR10/TR3UBF. These properties have areas above the 400-foot elevation which could support a tank site. Access is directly from Evergreen Mills Road. Steep slopes and wetland issues do not appear to be significant.

In our discussions with in-house teams doing work for Brambleton, we have learned that the Brambleton Group has filed a rezoning which includes these properties. The purposes of the rezoning are to unify the zoning of the properties as well as to provide a zoning concept layout for residential uses. As part of this zoning effort, Properties 46 and 47 (as well as the parcel between them) have been preliminarily identified as a possible school site. The location for the school site appears to try and leverage synergistic opportunities between the school use and the planned Loudoun County Parks and Recreation site immediately to the south of Property 47. A tank site within any of these properties would place the tanks directly across Evergreen Mills Road from the Rural Policy Area limits.

Rouse Land (Properties 29, 31, and 32)

Randolph Rouse owns 3 properties identified on the map as potential locations for a tank site. Property 29 is the largest and has access from Evergreen Mills Road, Red Hill Road, and Stone School Road. Steep slopes and wetlands are not significant issues on this property. It is large enough to support a roughly 5-acre tank site and it has plenty of ground area at elevation 400 or higher. However, this property currently lies within the Rural Policy Area and would require County legislative action to permit a central water storage facility on this property.

Properties 31 and 32 are contiguous to one another and they lie to the south of the Stone School Road/Red Hill Road intersection. Of the two, Property 31 is the better choice as it has access directly from a public road, is larger in size, and does not have significant steep slopes or wetlands concerns. A tank site could potentially be located in either the northwest or north east corners of this property. Property 32 would require an access easement through Property 31 to access the site. It is also encumbered by some steep slopes area which could limit the development potential for a tank site.

Willowsford Land (Properties 1/1A and 27)

Willowsford owns two significantly large tracks of land indentified as Properties 1 and 27 on the map. These parcels are part of their Gant at Willowsford subdivision. Property 1A includes the originally identified 600 Zone water storage tank location. It meets the criteria for being north of Route 50, it has an elevation greater than 400-feet, and it is considered available given Loudoun Water's contract sales agreement with Willowsford. Access is from Route 50, initially via an existing farm access road and eventually by internal subdivision streets. There are a few wetland crossing areas along the access road, but no wetlands or steep slopes are present within the planned 5-acre site. The site is located approximately 0.12-miles from the Rural Policy Area boundary and approximately three-quarters of a mile from Mt. Zion Church.

Property 1 refers to the areas of this parcel which are outside of the original planned 5-acre tank location. With consent of the property owner, the storage tanks could be relocated to another location on this property. An alternate location within Property 1 likely would not significantly

address the proximity of the water storage tank to the Rural Policy Area boundary or to Mt. Zion Church while maintaining a minimum ground elevation at or above 400-feet.

Property 27 is generally located to the north of Property 1/1A. Willowsford has offered an alternate location for the 600 Zone water storage tanks within this property. The tanks would be located a little more than a half mile to the north and east of the original tank site and they would still be at or above elevation 400. Access is assumed to be the same as with Property 1/1A, but with additional length of road to travel the extra distance within the property. Steep slopes and wetland issues are not significantly different from the original tank location. This site would place the tanks about 0.36-miles from the Rural Policy Area boundary and approximately 1.27-miles from Mt. Zion Church.

Willowsford Land (Properties 30, 48, 49, and 50)

These properties are all part of the Grant at Willowsford subdivision. They have been separated from Properties 1 and 27, which are also part of this subdivision, as these properties are in areas where the land owner has already obtained approval for preliminary subdivision plans, construction plans, and even recorded plats for Sections 1 and 2. This area of the Grant at Willowsford subdivision has been actively marketed to the public for home sites with many sales having already taken place. Portions of this area have also already been recorded as open space. While these properties meet the screening requirements, proposing a tank site on any of these properties would likely be met with opposition from the new lot owners who purchased their property without a storage tank being identified on the plans. The developer may also take issue with this as it could affect open space amenities and future lot sales. It is recommended that Loudoun Water have a conversation with Willowsford should there be a desire to consider one of these properties for the storage tank location.

Termini and Awig Land (Properties 28 and 35, respectively)

These properties are owned separately by individual owners. They are located on the south side of Red Hill Road and north of the Willowsford Property 27. These properties meet the requirements for a central location north of Route 50 and they have elevations above 400-feet. They do not have significant access, or environmental concerns; however, they are located proximate to the Rural Policy Area boundary. While the County's tax records shows these parcels as vacant, a review of aerial images shows structures on each property up along the road frontage. If considered as a possible tank site location, the site would likely need to be located towards the rear of these properties with Property 28 being preferred over Property 25 as it is about twice the size.

Willowsford Land (Property 73)

This Willowsford-owned property lies on the west side of Evergreen Mills Road just north of Stone School Lane. It meets the requirement for being north of Route 50 and has elevations greater than 400-feet. The property is zoned A3 and contains roughly 10-acres. It does not have significant access, steep slopes, or wetland issues which would affect development of the property for a water storage tank use. However, the site lies within the Rural Policy Area, and County legislative action would be necessary to permit a central water storage facility on this property.

Woodworth Land (Properties 38 and 39)

Richard and Mary Woodworth own two properties adjacent to one another. Property 39 is about 20-acres and Property 38 is 10-acres. Both are zoned A3 and both lie within the Rural Policy Area. These parcels meet the requirement for being north of Route 50 and they have elevations greater than 400-feet. They do not have significant steep slopes, or wetland issues which would affect development of the property for a water storage tank use. The larger property, Property 38, fronts on Red Hill Road and is used as a residence. The smaller property lies behind the first and appears to be undeveloped open space. Access to the rear property would need to be via a private access easement across the larger tract. As the site lies within the Rural Policy Area, County legislative action would be necessary to permit a central water storage facility on this property.

Area 1 – Properties immediately to the north of Route 50 along Watson Lane

These properties were identified for possible consideration because they are located north of Route 50, have elevations of at least 400-feet, and a portion of each property lies within the Transition Policy Area. However, these properties do not represent an appreciable difference in separation from the Rural Policy Area and Mt. Zion Church from the originally identified 600 Zone tank site within the Grant at Willowsford subdivision. These properties were not included in the second site screening.

Area 2 - Properties south of and adjacent to Route 50

These properties were identified for possible consideration due to them having elevations of at least 400-feet. While not ideally located north of Route 50, the properties are immediately to the south of Route 50 and access is provided from Route 50. While generally meeting the two most important screening criteria, these properties are considered too close to Mt. Zion Church and were therefore not considered for second level screening.

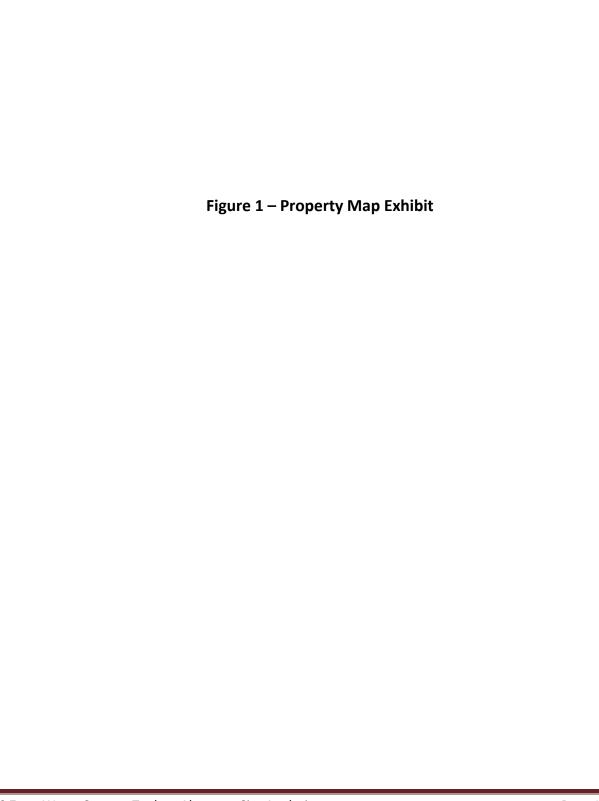
Area 3 - Properties in the far southern limits of the 600 Zone

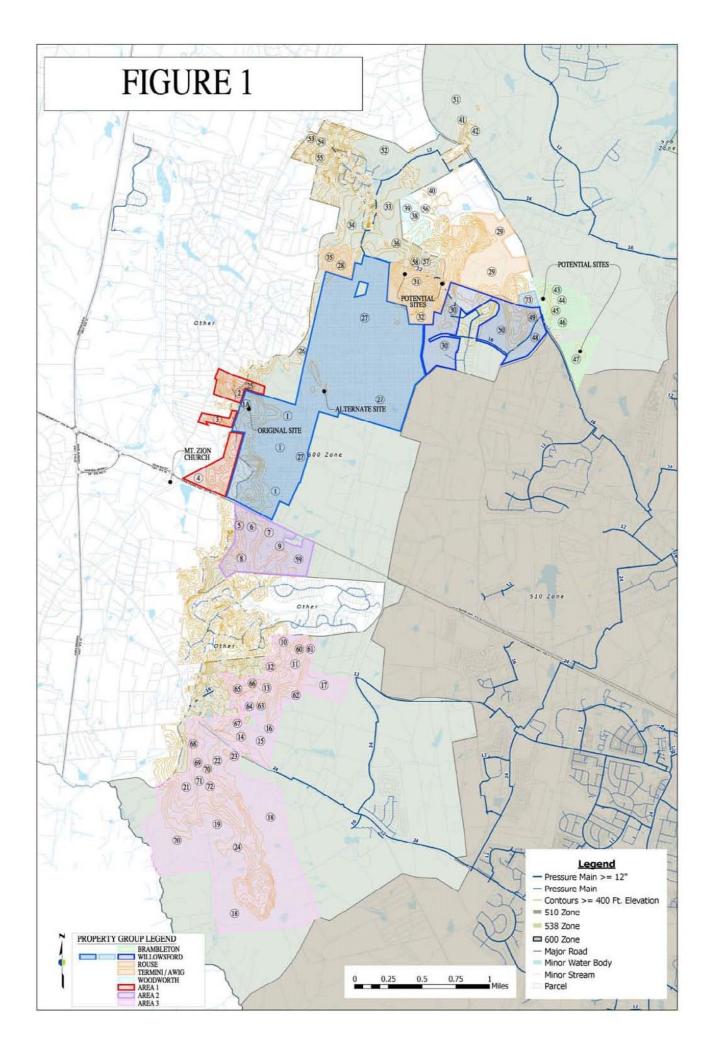
These properties were identified in the initial screening as properties which had elevations of at least 400-feet and which appeared large enough to support a roughly 5-acre storage tank use. However, these properties fail the test of being centrally located with the 600 Zone. These properties were not considered for second level screening.

SUMMARY

This study uses various screening techniques to identify potential alternate site locations for the 600 Zone water storage tanks. Other than the original site within the Grant at Willowsford subdivision, several other sites have surfaced as potentially viable alternatives. With the exception of the alternate site offered up by Willowsford on Property 27, the sites identified are generally bounded by Evergreen Mill Road, Red Hill Road, or Stone School Lane. These sites meet the minimum hydraulic screening criteria as well as a screening for general and environmental conditions. There are also a few other sites nearby which could have been identified as potential options. However, they are located either partially or entirely within the Rural Policy Area and County legislative action would be necessary to permit a central water storage facility on them.

Figure 1 and the Appendices which follow include the data referenced within the text of this study. They are presented for both the initial and second screening levels.





Appendix A – Initial Screening

| 243-29-1427 Willowsford Comercurery 63.57 TRRUBE Ves Ves Langley Oals Ves Ves Part Grant at Willowsford | 600 ZONE WATER STORAGE TANKS - TANK LOCATION CRITERIA | | | | | | | | | | | | |
|--|---|-------------|---|--------|---------------|---------|-----------|-----------------|---------------------|-----|--|--|--|
| MARIA NUMBER NU | | | | | | | | | | | | | |
| Lection Modes Mo | | | | | | HYDR | AULIC | | GENERAL | | | | |
| 1. 284-26-1172 | | | OWNER | | ZONING | 400' OR | | ACCESSED VIA | VIABLE ³ | | Notes | | |
| 27 24-45-3850 Willowsford Grant LLC \$73.43 TRIUSP/TRIUSP Yes Yes Yes War Yes Yes Was AR. Stel Gentlined by Willowsford Yes Yes Was Triuspring Yes Yes Was Wa | 1A | 284-26-1171 | Willowsford Grant LLC. | 5.03 | TR3UBF/AR1 | | Yes | Route 50 | Yes | Yes | Original Tank Site currently under contract | | |
| 147 2001-58-664 Barmbeton Group 33.46 TRIJOTRUSEF Yes Yes Ves | 1 | 284-26-1171 | Willowsford Grant LLC. | 234.53 | TR3UBF/AR1 | Yes | Yes | Route 50 | Yes | Yes | Parent parcel of original tank site | | |
| 243-55-9310 200-06, Pandoloph 37.9 TROUBF Yes Yes Sed Hill Rd Yes Yes Smaller of the two adjacent Rouse Properties | 27 | 244-45-3850 | Willowsford Grant LLC. | 573.43 | TR1UBF/TR3UBF | Yes | Yes | Farm Road | Yes | Yes | Alt. Site Identified by Willowsford | | |
| 243-75-82946 Nove, Flandshiph 13.12 TR3UBF Ves V | 47 | 200-15-8464 | Brambleton Group | 33.46 | TR10/TR3UBF | Yes | Yes | Evergreen Mills | Yes | Yes | Vacant Land; Potential High School Site | | |
| 243-29-1427 Willowsford Comercurery 63.57 TRRUBE Ves Ves Langley Oals Ves Ves Part Grant at Willowsford | 31 | 243-45-9310 | Rouse, Randolph | 72.9 | TR3UBF | Yes | Yes | Red Hill Rd | Yes | Yes | Larger of the two adjacent Rouse Properties | | |
| 201 243-07-0866 Milloweford Crant LL. 100.32 AXTR3UBF Ves Ves Langley Calist Ves Ves California Ves Ves Ves California Ves | 32 | 243-25-8294 | Rouse, Randolph | 13.12 | TR3UBF | Yes | Yes | Red Hill Rd | Yes | Yes | Smaller of the two adjacent Rouse Properties | | |
| 4 324-49-5048 K E G Associates 4-57 ARI Yes Yes Route 50 Yes Yes Xes | 50 | 243-29-1427 | Willowsford Conservancy | 63.57 | TR3UBF | Yes | Yes | Langley Oaks | Yes | Yes | Platted Open Space per SBRD 2008-0008 | | |
| 282-18-8720 Termini, Anna-Marine 16-17 TRSUBF Ves Ves Red Hill Id Ves Ves Vacant Land | 30 | 243-20-0865 | Willowsford Grant LLC. | 100.32 | A3/TR3UBF | Yes | Yes | Langley Oaks | Yes | Yes | Part of Grant at Willowsford | | |
| 32 18 236 Awig, Bran & Grager | 4 | 324-49-5048 | K E G Associates II | 45.7 | AR1 | Yes | Yes | Route 50 | Yes | Yes | Ex. Farm | | |
| 43 | 28 | 282-18-8720 | Termini, Anna-Marie | 16.17 | TR3UBF | Yes | Yes | Red Hill Rd | Yes | Yes | Vacant Land | | |
| 44 200-35-4550 Brambieton Group LLC 10.45 PDH4 Yes Yes Evergreen Mills Yes Yes Vacant Land 45 200-35-717 Brambieton Group LLC 17.4 PDH4 Yes Yes Evergreen Mills Yes Yes Yes Vacant Land 46 200-25-7375 Brambieton Group LLC 24 PDH4 Yes Yes Yes Evergreen Mills Yes Yes Yes Vacant Land 48 241-10-358 Millowofford Horneowners Association INC 23-99 TBSUBF Yes Yes Langley Dais Yes Yes Yes PRINTED Grows Grown Face PRINTED Grown Face PRINTED GROWN Face Yes Yes PRINTED Grown Face PRINTED GROWN Face Yes | 35 | 282-18-2536 | Awig, Brian & Ginger | 8.58 | TR3UBF | Yes | Yes | Red Hill Rd | Yes | Yes | Vacant Land | | |
| 45 200.35-5717 Brambeton Group LtC. | 43 | 243-40-6613 | Brambleton Group LLC. | 13.1 | PDH4 | Yes | Yes | Evergreen Mills | Yes | Yes | Vacant Land | | |
| 46 200-25-7378 | 44 | 200-35-4550 | Brambleton Group LLC. | 10.45 | PDH4 | Yes | Yes | Evergreen Mills | Yes | Yes | Vacant Land | | |
| 48 | 45 | 200-35-5717 | Brambleton Group LLC. | 17.4 | PDH4 | Yes | Yes | Evergreen Mills | Yes | Yes | Vacant Land | | |
| 49 | 46 | 200-25-7375 | Brambleton Group LLC. | 24 | PDH4 | Yes | Yes | Evergreen Mills | Yes | Yes | Vacant Land | | |
| 292 242-18-1260 Rouse, Randolph 173.69 A3 Yes Yes Red Hill Rd Yes No In Rural Policy Area | 48 | 243-10-0358 | Willowsford Homeowners Association INC. | 23.99 | TR3UBF | Yes | Yes | Langley Oaks | Yes | Yes | Platted Open Space per SBRD 2008-0008 | | |
| 73 243-30-0527 Willowsford Grant LLC. 10 A3 Yes Yes Yes Evergreen Mills Yes No In Rural Policy Area | 49 | 243-20-2165 | Willowsford Homeowners Association INC. | 6.78 | TR3UBF | Yes | Yes | Langley Oaks | Yes | Yes | Platted Open Space per SBRD 2008-0008 | | |
| 38 242-25-673 Woodworth, Richard & Mary 20 A3 Yes Yes Red Hill Rd Yes No Ex. SFD Use | 29 | 242-18-1260 | Rouse, Randolph | 173.69 | A3 | Yes | Yes | Red Hill Rd | Yes | No | In Rural Policy Area | | |
| 39 242-35-3724 Woodworth, Richard & Many 10 A3 Yes Yes Red Hill Rd Yes No In Rural Policy Area | 73 | 243-30-0527 | Willowsford Grant LLC. | 10 | A3 | Yes | Yes | Evergreen Mills | Yes | No | In Rural Policy Area | | |
| 40 242-36-8487 Red Hill Manor HOA 17-58 A3 Yes Yes Red Hill Rd Possible No Potential HOA Open Space | 38 | 242-25-6753 | Woodworth, Richard & Mary | 20 | A3 | Yes | Yes | Red Hill Rd | Yes | No | Ex. SFD Use | | |
| 56 242-36-1205 Schultz, Paul 10.02 A3 Yes Yes Red Hill Rd Possible No Conservancy Lot | 39 | 242-35-3724 | Woodworth, Richard & Mary | 10 | A3 | Yes | Yes | Red Hill Rd | Yes | No | In Rural Policy Area | | |
| 26 | 40 | 242-36-8487 | Red Hill Manor HOA | 17.58 | A3 | Yes | Yes | Red Hill Rd | Possible | No | Potential HOA Open Space | | |
| 41 241-27-4044 Baker, Theodore & Karen 10.61 TR10 Yes Yes Evergreen Mills No Yes Ex. SFD Use 42 241-27-9420 Baker, William & Joan 11.86 TR10 Yes Yes Evergreen Mills No Yes Ex. SFD Use Ex. SFD Use 92 243-40-3703 Warts, Paul & Elaine 14.91 AR1 Yes Yes Watson Rd No Yes Ex. SFD Use 93 3 323-40-3703 Warts, Paul & Elaine 14.91 AR1 Yes Yes Watson Rd No Yes Ex. SFD Use 94 3 3 323-29-8483 Smith, Brian 12.39 AR1 Yes Yes Watson Rd No Yes Ex. SFD Use 95 323-40-2851 Milliken, Joan 15.95 TR3UBF/AR1 Yes Yes Watson Rd No Yes Ex. SFD Use 95 3 3 282-30-7065 Woodlands Neighborhoods LLC. 100 PDRV Yes Yes Stone School No Yes Conservancy Lot 95 4 282-18-8844 Cook, Steven & Lynn 100.51 PDRV Yes Yes Red Hill Rd No Yes Conservancy Lot 95 2 242-47-0788 Woodlands Neighborhoods LLC. 100. 2 PDRV Yes Yes Stone School No Yes Ex. SFD Use 95 2 242-47-0784 Woodlands Neighborhoods LLC. 100. 2 PDRV Yes Yes Red Hill Rd No Yes Conservancy Lot 95 2 242-47-0784 Woodlands Neighborhoods LLC. 100. 2 PDRV Yes Yes Red Hill Rd No Yes Conservancy Lot 95 2 242-47-0784 Woodlands Neighborhoods LLC. 100. 2 PDRV Yes Yes Red Hill Rd No Yes Conservancy Lot 95 2 241-17-6010 Woodlands Neighborhoods LLC. 100. PDRV Yes Yes Watson Rd No Yes Conservancy Lot 95 2 241-17-6010 Woodlands Neighborhoods LLC. 100 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 95 2 241-17-6010 Woodlands Neighborhoods LLC. 100 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 95 2 241-37-936 Fox, Thomas & Monica 10 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 95 241-37-936 Rodenburg, Mark & Carolyn 14.66 TR10 Yes Yes Stone School No Yes Ex. SFD Use 95 242-15-5709 Ziviello, Alfred & Ashley 64 TR3UBF Yes Yes Stone School No Yes Ex. SFD Use 95 242-15-3703 Oxbridge Development @ Aldie LC. 28.79 TR1UBF Yes Proximate Route 50 Yes Just south of Rt. 50 W/Rt. 50 Frontage 95 285-16-3395 Oxbridge Development @ Aldie LC. 25.15 TR1UBF Yes Proximate Route 50 Yes Just south of Rt. 50 W/Rt. 50 Frontage 95 285-17-0386 Miscia General Partnership 10 TR3UBF Yes Proximate Route 50 Yes Just south of Rt. 50 W/Rt. 50 Front | 56 | 242-36-1205 | Schultz, Paul | 10.02 | A3 | Yes | Yes | Red Hill Rd | Possible | No | Conservancy Lot | | |
| 42 241-27-9420 Baker, William & Joan 11.86 TR10 Yes Yes Evergreen Mills No Yes Ex. SFD Use 2 323-40-3703 Watts, Paul & Elaine 14.91 AR1 Yes Yes Watson Rd No Yes Ex. SFD Use Ex. SFD Use 2 323-40-2881 Milliken, Joan 15.95 TR3UBF/AR1 Yes Yes Watson Rd No Yes Ex. SFD Use 2 323-40-2881 Milliken, Joan 15.95 TR3UBF/AR1 Yes Yes Watson Rd No Yes Ex. SFD Use 3 323-40-2881 Milliken, Joan 15.95 TR3UBF/AR1 Yes Yes Watson Rd No Yes Ex. SFD Use 3 323-40-2881 Milliken, Joan 15.95 TR3UBF/AR1 Yes Yes Watson Rd No Yes Ex. SFD Use 3 324-28-28-844 Cook, Steven & Lynn 100.51 PDRV Yes Yes Stone School No Yes Conservancy Lot 100.51 PDRV Yes Yes Red Hill Rd No Yes Conservancy Lot 100.51 PDRV Yes Yes Stone School No Yes Ex. SFD Use 100.52 PDRV Yes Yes Stone School No Yes Ex. SFD Use 100.52 PDRV Yes Yes Red Hill Rd No Yes Ex. SFD Use 100.52 PDRV Yes Yes Red Hill Rd No Yes Ex. SFD Use 100.52 PDRV Yes Yes Red Hill Rd No Yes Ex. SFD Use 100.52 PDRV Yes Yes Red Hill Rd No Yes Ex. SFD Use 100.52 PDRV Yes Yes Red Hill Rd No Yes Conservancy Lot 100.53 PDRV Yes Yes Red Hill Rd No Yes Ex. SFD Use 100.52 PDRV Yes Yes Red Hill Rd No Yes Conservancy Lot 100.53 PDRV Yes Yes Red Hill Rd No Yes Conservancy Lot 100.54 PDRV Yes Yes Red Hill Rd No Yes Conservancy Lot 100.55 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 100.55 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 100.55 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 100.55 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 100.55 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 100.55 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 100.55 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 100.55 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 100.55 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 100.55 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 100.55 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 100.55 PDRV Yes Yes Watson Rd No Yes Ex. SFD Use 100.55 PDRV Yes Yes Watson Rd No Yes Ex. SFD Use 100.55 PDRV Yes Yes Watson Rd No Yes Ex. SFD Use 100.55 PDRV Yes Yes Watson Rd No Yes Ex. SFD Use 100.55 PDRV Yes Proximat | 26 | 283-36-3815 | Juno-Loudoun LLC. | 40.54 | TR3UBF | Yes | Yes | Watson Rd | Possible | Yes | Possible HOA Open Space | | |
| 2 323-40-3703 Watts, Paul & Elaine 14.91 AR1 Yes Yes Watson Rd No Yes Ex. SFD Use 3 323-29-8483 Smith, Brian 12.39 AR1 Yes Yes Watson Rd No Yes Ex. SFD Use 25 323-40-2851 Milliken, Joan 15.95 TR3UBF/AR1 Yes Yes Watson Rd No Yes Ex. SFD Use 3 323-29-2851 Milliken, Joan 15.95 TR3UBF/AR1 Yes Yes Watson Rd No Yes Ex. SFD Use 3 323-20-2055 Woodlands Neighborhoods LLC. 100 PDRV Yes Yes Stone School No Yes Conservancy Lot 34 282-28-8844 Cook, Steven & Lynn 100.51 PDRV Yes Yes Red Hill Rd No Yes Conservancy Lot 36 282-10-8853 Burleson, Jerry 9.16 TR3UBF Yes Yes Stone School No Yes Ex. SFD Use 37 242-15-3789 Kmak, Chester, & Christine 10 A3/TR3UBF Yes Yes Red Hill Rd No Yes Ex. SFD Use 52 242-47-0784 Woodlands Neighborhoods LLC. 100.02 PDRV Yes Yes Red Hill Rd No Yes Conservancy Lot 53 281-17-1811 Woodlands Neighborhoods LLC. 10 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 55 281-17-9796 Fox, Thomas & Monica 10 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 55 281-17-9796 Fox, Thomas & Monica 10 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 57 243-46-0678 Anderson, Rae & Mark Haselden 9.03 TR3UBF Yes Yes Watson Rd No Yes Conservancy Lot 57 243-46-0678 Anderson, Rae & Mark Haselden 9.03 TR3UBF Yes Yes Watson School No Yes Ex. SFD Use 58 242-15-5709 Ziviello, Alfred & Ashley 6.4 TR3UBF Yes Yes Yes Stone School No Yes Ex. SFD Use 59 285-16-3395 Oxbridge Development @ Aldie LC. 28.79 TR1UBF Yes Proximate Route 50 Yes Just south of Rt. 50 w/Rt. 50 Frontage 59 285-17-0538 Oxbridge Development @ Aldie LC. 28.79 TR1UBF Yes Proximate Route 50 Yes Just south of Rt. 50 w/Rt. 50 Frontage 50 324-20-7896 Miscia General Partnership 10 TR3UBF Yes Proximate Route 50 Yes Just south of Rt. 50 w/Rt. 50 Frontage 50 324-20-7896 Miscia General Partnership 10 TR3UBF Yes Proximate Route 50 Yes Just south of Rt. 50 w/Rt. 50 Frontage 50 324-20-7896 Miscia General Partnership 10 TR3UBF Yes Proximate Route 50 Yes Just south of Rt. 50 w/Rt. 50 Frontage 50 324-20-7896 Miscia General Partnership 10 TR3UBF Yes Proximate Route 50 Yes Just south of Rt. 5 | 41 | 241-27-4044 | Baker, Theodore & Karen | 10.61 | TR10 | Yes | Yes | Evergreen Mills | No | Yes | Ex. SFD Use | | |
| 3 323-29-8483 Smith, Brian 12.39 AR1 Yes Yes Watson Rd No Yes Ex. SFD Use | 42 | 241-27-9420 | Baker, William & Joan | 11.86 | TR10 | Yes | Yes | Evergreen Mills | No | Yes | Ex. SFD Use/Cemetary | | |
| 25 323-40-2851 Milliken, Joan 15.95 TR3UBF/AR1 Yes Yes Watson Rd No Yes Ex. SFD Use 33 282-30-7065 Woodlands Neighborhoods LLC. 100 PDRV Yes Yes Stone School No Yes Conservancy Lot 36 282-18-8844 Cook, Steven & Lynn 100.51 PDRV Yes Yes Stone School No Yes Conservancy Lot 36 282-18-8853 Burleson, Jerry 9.16 TR3UBF Yes Yes Stone School No Yes Ex. SFD Use 37 242-15-3789 Kmak, Chester, & Christine 10 A3/TR3UBF Yes Yes Red Hill Rd No Yes Ex. SFD Use Stone School No Yes Conservancy Lot Stone School No Yes | 2 | 323-40-3703 | Watts, Paul & Elaine | 14.91 | AR1 | Yes | Yes | Watson Rd | No | Yes | Ex. SFD Use | | |
| 33 282-30-7065 Woodlands Neighborhoods LLC. 100 PDRV Yes Yes Stone School No Yes Conservancy Lot | 3 | 323-29-8483 | Smith, Brian | 12.39 | AR1 | Yes | Yes | Watson Rd | No | Yes | Ex. SFD Use | | |
| 34 282-28-8844 Cook, Steven & Lynn 100.51 PDRV Yes Yes Red Hill Rd No Yes Conservancy Lot | 25 | 323-40-2851 | Milliken, Joan | 15.95 | TR3UBF/AR1 | Yes | Yes | Watson Rd | No | Yes | Ex. SFD Use | | |
| 34 282-28-8844 Cook, Steven & Lynn 100.51 PDRV Yes Yes Red Hill Rd No Yes Conservancy Lot | 33 | 282-30-7065 | Woodlands Neighborhoods LLC. | 100 | PDRV | Yes | Yes | Stone School | No | Yes | Conservancy Lot | | |
| 36 282-10-8853 Burleson, Jerry 9.16 TR3UBF Yes Yes Stone School No Yes Ex. SFD Use 37 242-15-3789 Kmak, Chester, & Christine 10 A3/TR3UBF Yes Yes Red Hill Rd No Yes Ex. SFD Use Stone School No Yes Ex. SFD Use Stone School No Yes Ex. SFD Use Stone School No Yes Conservancy Lot Stone School No Yes Stone School Stone School No Yes Stone School | | 282-28-8844 | Cook, Steven & Lynn | 100.51 | PDRV | Yes | Yes | | No | | | | |
| 37 242-15-3789 Kmak, Chester, & Christine 10 A3/TR3UBF Yes Yes Red Hill Rd No Yes Ex. SFD Use 52 242-47-0784 Woodlands Neighborhoods LLC. 100.02 PDRV Yes Yes Evergreen Mills No Yes Conservancy Lot 53 281-17-1811 Woodlands Neighborhoods LLC. 10 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 54 281-17-6010 Woodlands Neighborhoods LLC. 10 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 55 281-17-9796 Fox, Thomas & Monica 10 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 57 243-46-0678 Anderson, Rae & Mark Haselden 9.03 TR3UBF Yes Yes Stone School No Yes Ex. SFD Use 58 242-15-5709 Ziviello, Alfred & Ashley 6.4 TR3UBF Yes Yes Stone School No | 36 | 282-10-8853 | Burleson, Jerry | 9.16 | TR3UBF | Yes | Yes | Stone School | No | | <u> </u> | | |
| 52 242-47-0784 Woodlands Neighborhoods LLC. 100.02 PDRV Yes Yes Evergreen Mills No Yes Conservancy Lot 53 281-17-1811 Woodlands Neighborhoods LLC. 10 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 54 281-17-6010 Woodlands Neighborhoods LLC. 10 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 55 281-17-9796 Fox, Thomas & Monica 10 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 57 243-46-0678 Anderson, Rae & Mark Haselden 9.03 TR3UBF Yes Yes Stone School No Yes Ex. SFD Use 58 242-15-5709 Ziviello, Alfred & Ashley 6.4 TR3UBF Yes Yes Stone School No Yes Ex. SFD Use 51 241-37-9360 Rodenburg, Mark & Carolyn 14.66 TR10 Yes Yes Evergreen Mills N | | | | | ļ | | | | | | | | |
| 281-17-1811 Woodlands Neighborhoods LLC. 10 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 281-17-6010 Woodlands Neighborhoods LLC. 10 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 55 281-17-9796 Fox, Thomas & Monica 10 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 57 243-46-0678 Anderson, Rae & Mark Haselden 9.03 TR3UBF Yes Yes Stone School No Yes Ex. SFD Use 58 242-15-5709 Ziviello, Alfred & Ashley 6.4 TR3UBF Yes Yes Stone School No Yes Ex. SFD Use 51 241-37-9360 Rodenburg, Mark & Carolyn 14.66 TR10 Yes Yes Evergreen Mills N Yes Ex. SFD Use 9 285-16-3395 Oxbridge Development @ Aldie LC. 28.79 TR1UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage 7 285-25-5814 Buck, Regina 38.02 TR1UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage 5 324-20-7896 Miscia General Partnership 10 TR3UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage | | | | | - | | | Evergreen Mills | | | | | |
| 54 281-17-6010 Woodlands Neighborhoods LLC. 10 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 55 281-17-9796 Fox, Thomas & Monica 10 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 57 243-46-0678 Anderson, Rae & Mark Haselden 9.03 TR3UBF Yes Yes Stone School No Yes Ex. SFD Use 58 242-15-5709 Ziviello, Alfred & Ashley 6.4 TR3UBF Yes Yes Stone School No Yes Ex. SFD Use 51 241-37-9360 Rodenburg, Mark & Carolyn 14.66 TR10 Yes Yes Evergreen Mills N Yes Ex. SFD Use 9 285-16-3395 Oxbridge Development @ Aldie LC. 28.79 TR1UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage 59 285-17-0538 Oxbridge Development @ Aldie LC. 25.15 TR1UBF Yes Proximate R | | | <u> </u> | 10 | PDRV | | | | | | | | |
| 55 281-17-9796 Fox, Thomas & Monica 10 PDRV Yes Yes Watson Rd No Yes Conservancy Lot 57 243-46-0678 Anderson, Rae & Mark Haselden 9.03 TR3UBF Yes Yes Stone School No Yes Ex. SFD Use 58 242-15-5709 Ziviello, Alfred & Ashley 6.4 TR3UBF Yes Yes Stone School No Yes Ex. SFD Use 51 241-37-9360 Rodenburg, Mark & Carolyn 14.66 TR10 Yes Yes Evergreen Mills N Yes Ex. SFD Use 9 285-16-3395 Oxbridge Development @ Aldie LC. 28.79 TR1UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage 59 285-17-0538 Oxbridge Development @ Aldie LC. 25.15 TR1UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage 7 285-25-5814 Buck, Regina 38.02 TR1UBF Yes Proximate< | | | | | | | | | | | • | | |
| 57 243-46-0678 Anderson, Rae & Mark Haselden 9.03 TR3UBF Yes Yes Stone School No Yes Ex. SFD Use 58 242-15-5709 Ziviello, Alfred & Ashley 6.4 TR3UBF Yes Yes Stone School No Yes Ex. SFD Use 51 241-37-9360 Rodenburg, Mark & Carolyn 14.66 TR10 Yes Yes Evergreen Mills N Yes Ex. SFD Use 9 285-16-3395 Oxbridge Development @ Aldie LC. 28.79 TR1UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage 59 285-17-0538 Oxbridge Development @ Aldie LC. 25.15 TR1UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage 7 285-25-5814 Buck, Regina 38.02 TR1UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage 5 324-20-7896 Miscia General Partnership 10 TR3UBF | | | <u> </u> | | ļ | | | | | | | | |
| 58242-15-5709Ziviello, Alfred & Ashley6.4TR3UBFYesYesStone SchoolNoYesEx. SFD Use51241-37-9360Rodenburg, Mark & Carolyn14.66TR10YesYesEvergreen MillsNYesEx. SFD Use9285-16-3395Oxbridge Development @ Aldie LC.28.79TR1UBFYesProximateRoute 50YesYesJust south of Rt. 50 w/ Rt. 50 Frontage59285-17-0538Oxbridge Development @ Aldie LC.25.15TR1UBFYesProximateRoute 50YesYesJust south of Rt. 50 w/ Rt. 50 Frontage7285-25-5814Buck, Regina38.02TR1UBFYesProximateRoute 50YesYesJust south of Rt. 50 w/ Rt. 50 Frontage5324-20-7896Miscia General Partnership10TR3UBFYesProximateRoute 50YesYesJust south of Rt. 50 w/ Rt. 50 Frontage | | | | | | | | ļ | | | | | |
| 51241-37-9360Rodenburg, Mark & Carolyn14.66TR10YesYesEvergreen MillsNYesEx. SFD Use9285-16-3395Oxbridge Development @ Aldie LC.28.79TR1UBFYesProximateRoute 50YesYesJust south of Rt. 50 w/ Rt. 50 Frontage59285-17-0538Oxbridge Development @ Aldie LC.25.15TR1UBFYesProximateRoute 50YesYesJust south of Rt. 50 w/ Rt. 50 Frontage7285-25-5814Buck, Regina38.02TR1UBFYesProximateRoute 50YesYesJust south of Rt. 50 w/ Rt. 50 Frontage5324-20-7896Miscia General Partnership10TR3UBFYesProximateRoute 50YesYesJust south of Rt. 50 w/ Rt. 50 Frontage | | | <u> </u> | | ļ | | | ļ | | | | | |
| 9 285-16-3395 Oxbridge Development @ Aldie LC. 28.79 TR1UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage 59 285-17-0538 Oxbridge Development @ Aldie LC. 25.15 TR1UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage 7 285-25-5814 Buck, Regina 38.02 TR1UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage 5 324-20-7896 Miscia General Partnership 10 TR3UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage | | | <u> </u> | | | | | | | | I control of the cont | | |
| 59 285-17-0538 Oxbridge Development @ Aldie LC. 25.15 TR1UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage 7 285-25-5814 Buck, Regina 38.02 TR1UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage 5 324-20-7896 Miscia General Partnership 10 TR3UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage | - | | · · · · · · · · · · · · · · · · · · · | | ļ | | | | | | | | |
| 7 285-25-5814 Buck, Regina 38.02 TR1UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage 5 324-20-7896 Miscia General Partnership 10 TR3UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage | | | <u> </u> | | ļ | | | ļ | | | | | |
| 5 324-20-7896 Miscia General Partnership 10 TR3UBF Yes Proximate Route 50 Yes Yes Just south of Rt. 50 w/ Rt. 50 Frontage | | | <u> </u> | | ļ | | | ļ | | | | | |
| | | | | | | | | ļ | | | | | |
| | 6 | | · | 13.05 | TR3UBF | Yes | Proximate | Route 50 | Yes | | Just south of Rt. 50 w/ Rt. 50 Frontage | | |

| 600 ZONE WATER STORAGE TANKS - TANK LOCATION CRITERIA | | | | | | | | | | | |
|---|----------------|----------------------------------|--------------|---------------|---|-------------------------------|---------------|---------------------|---|--|--|
| | | | | | | | | | | | |
| | | | | | HYDRA | AULIC | | GENERAL | | | |
| LEGEND NUMBER | MCPI NUMBER | OWNER | AREA (AC) | ZONING | GROUND ELEV. 400' OR ABOVE ¹ | CENTRAL LOCATION ² | ACCESSED VIA | VIABLE ³ | LOCATION IS INTERNAL TO CUSTOMER BASE ⁴ | Notes | |
| 8 | 324-10-5538 | Ryu, Sung & Yom | 26.67 | TR3UBF | Yes | Proximate | Route 50 | Yes | Yes | Just south of Rt. 50 w/o Rt. 50 Frontage | |
| 14 | 326-20-4161 | Light, Bernadette | 24.31 | TR1UBF | Yes | No | Braddock | N/I | Yes | Not studied further due to location S. of 50 | |
| 15 | 287-25-5709 | T&M Associates LP. | 21.75 | TR1UBF | Yes | No | Braddock | N/I | Yes | Not studied further due to location S. of 50 | |
| 16 | 287-25-8895 | Dennis, Bill & Linda | 15.5 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | Not studied further due to location S. of 50 | |
| 17 | 287-48-0949 | Willowsford Grove LLC. | 29.24 | TR1UBF | Yes | No | N/A | N/I | Yes | Not studied further due to location S. of 50 | |
| 18 | 289-46-3009 | Willowsford Greens LLC. | 359.52 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | Not studied further due to location S. of 50 | |
| 19 | 327-29-7094 | Herndon, John & Ann | 51.31 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | Not studied further due to location S. of 50 | |
| 23 | 326-10-2891 | LST LC. | 8.26 | TR1UBF | Yes | No | Braddock | N/I | Yes | Not studied further due to location S. of 50 | |
| 24 | 288-25-8724 | Gulick, Milton | 28.28 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | Not studied further due to location S. of 50 | |
| 62 | 287-46-9040 | Dower, Nikia | 8.92 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | Not studied further due to location S. of 50 | |
| 63 | 287-35-5474 | Drees Company | 5.14 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | Not studied further due to location S. of 50 | |
| 64 | 326-30-6342 | Rockbridge Community Association | 9.5 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | Not studied further due to location S. of 50 | |
| 67 | 326-30-4905 | Lodge, Thomas & Van Camp Tees | 6.71 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | Not studied further due to location S. of 50 | |
| 20 | 327-28-4120 | Willowsford Greens LLC. | 134.27 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | Not studied further due to location S. of 50 | |
| 22 | 326-29-3620 | Reilly, John & Bruce Deatley | 24 | TR1UBF/TR3UBF | Yes | No | Peach Orchard | N/I | Yes | Not studied further due to location S. of 50 | |
| 65 | 326-40-7344 | Polito, Ronald & Jacqueline | 11 | TR1UBF | Yes | No | Braddock | N/I | Yes | Not studied further due to location S. of 50 | |
| 66 | 287-45-2744 | Drees Company | 10.27 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | Not studied further due to location S. of 50 | |
| 70 | 326-19-3013 | Rudd, Jimmy & Wilma | 6 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | Not studied further due to location S. of 50 | |
| 71 | 327-49-2477 | Rudd, Jimmy & Wilma | 5.42 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | Not studied further due to location S. of 50 | |
| 72 | 327-49-4350 | Albright, James & Diane | 6.5 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | Not studied further due to location S. of 50 | |
| 10 | 286-26-4811 | Herzstein, Robert & Rivkin | 10.17 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | Not studied further due to location S. of 50 | |
| 11 | 286-17-0336 | Zarou, Rashid & Maher | 11.34 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | Not studied further due to location S. of 50 | |
| 12 | 286-16-0437 | Drees Company | 10.43 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | Not studied further due to location S. of 50 | |
| 13 | 287-45-8645 | Drees Company | 10.96 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | Not studied further due to location S. of 50 | |
| 21 | 327-48-2137 | Garvin, Paul & Jo Ann | 27 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | Not studied further due to location S. of 50 | |
| 60 | 286-27-0702 | Hays, Alan & Sharon | 7.46 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | Not studied further due to location S. of 50 | |
| 61 | 286-17-4786 | Johnson, John & Peggy | 5.59 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | Not studied further due to location S. of 50 | |
| 68 | 326-19-0693 | Hutcheson, Mark & Nancy | 10.98 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | Not studied further due to location S. of 50 | |
| 69 | 326-19-2049 | J B C Developers INC | 6.39 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | Not studied further due to location S. of 50 | |

Footnotes:

- 1 An elevation of at least 400-feet maintains a maximum tank height of 200-feet.
- 2 Tank sites north of Rt. 50 have been determined to provide hydraulic benefits.
- Tank sites were considered viable if they were not being presently used predominately as a single family detached (SFD) residence. Sites were excluded if they were known to be HOA Open Space or Conservation Lots.
- 4 Tank sites are considered internal to customer base if land around the site is located in the Central System and is available for development.

Appendix B – Second Screening

600 ZONE WATER STORAGE TANKS - TANK LOCATION CRITERIA

| | | | | | | | INITIAL SCREENING | TOOLS | | SECOND I | EVEL SCREENIN | NG TOOLS⁵ | |
|------------------|----------------|---|--------------|---------------|---|----------------------------------|-------------------|---------------------|--|--------------------------------|---------------------------------|-------------------------------------|--|
| | | | | | HYD | RAULIC | GENERAL | | | E | NVIRONMENTA | AL | |
| LEGEND NUMBER | MCPI NUMBER | OWNER | AREA (AC) | ZONING | GROUND ELEV. 400' OR ABOVE ¹ | CENTRAL LOCATION ² | ACCESSED VIA | VIABLE ³ | LOCATION IS INTERNAL TO CUSTOMER BASE ⁴ | POTENTIAL ACCESS ISSUES? | POTENTIAL WETLAND ISSUES? | POTENTIAL STEEP SLOPE ISSUES? | Notes |
| 1A | 284-26-1171 | Willowsford Grant LLC. | 5.03 | TR3UBF/AR1 | Yes | Yes | Route 50 | Yes | Yes | N | N | N | Original Tank Site currently under contract |
| | | Willowsford Grant LLC. | 234.53 | TR3UBF/AR1 | Yes | Yes | Route 50 | Yes | Yes | M | N | N | Parent Parcel of original tank site currently under contract |
| | | Willowsford Grant LLC. | 573.43 | TR1UBF/TR3UBF | Yes | Yes | Farm Road | Yes | Yes | M | N | N | Alt. Willowsford Site, Viable, but requires longer access road |
| | | Brambleton Group | 33.46 | TR10/TR3UBF | Yes | Yes | Evergreen Mills | Yes | Yes | N | N | N | Vacant Land; Potential High School Site |
| | | Rouse, Randolph | 72.9 | TR3UBF | Yes | Yes | Red Hill Rd | Yes | Yes | N | N | N | Ex. Farm |
| | | Willowsford Conservancy | 63.57 | TR3UBF | Yes | Yes | Langley Oaks | Yes | Yes | N | N | N | Platted Open Space per SBRD 2008-0008 |
| | | Willowsford Grant LLC. | 100.32 | A3/TR3UBF | Yes | Yes | Langley Oaks | Yes | Yes | N | N | N | Part of the Grant at Willowsford |
| 28 | 282-18-8720 | Termini, Anna-Marie | 16.17 | TR3UBF | Yes | Yes | Red Hill Rd | Yes | Yes | N | N | N | Close to RPA |
| 35 | 282-18-2536 | Awig, Brian & Ginger | 8.58 | TR3UBF | Yes | Yes | Red Hill Rd | Yes | Yes | N | N | N | Close to RPA |
| 43 | 243-40-6613 | Brambleton Group LLC. | 13.1 | PDH4 | Yes | Yes | Evergreen Mills | Yes | Yes | N | N | N | Possible School Site; PDH Zoning = Higher land cost |
| 44 | 200-35-4550 | Brambleton Group LLC. | 10.45 | PDH4 | Yes | Yes | Evergreen Mills | Yes | Yes | N | N | N | Possible School Site; PDH Zoning = Higher land cost |
| 45 | 200-35-5717 | Brambleton Group LLC. | 17.4 | PDH4 | Yes | Yes | Evergreen Mills | Yes | Yes | N | N | N | Possible School Site; PDH Zoning = Higher land cost |
| 46 | 200-25-7375 | Brambleton Group LLC. | 24 | PDH4 | Yes | Yes | Evergreen Mills | Yes | Yes | N | N | N | Possible School Site; PDH Zoning = Higher land cost |
| 48 | 243-10-0358 | Willowsford Homeowners Association INC. | 23.99 | TR3UBF | Yes | Yes | Langley Oaks | Yes | Yes | N | N | N | Platted Open Space per SBRD 2008-0008 |
| 29 | 242-18-1260 | Rouse, Randolph | 173.69 | A3 | Yes | Yes | Red Hill Rd | Yes | No | N | N | N | In Rural Policy Area |
| | | Willowsford Grant LLC. | 10 | A3 | Yes | Yes | Evergreen Mills | Yes | No | N | N | N | In Rural Policy Area |
| 38 | 242-25-6753 | Woodworth, Richard & Mary | 20 | A3 | Yes | Yes | Red Hill Rd | Yes | No | N | N | N | Ex. SFD Use |
| | | Woodworth, Richard & Mary | 10 | A3 | Yes | Yes | Red Hill Rd | Yes | No | М | N | N | In Rural Policy Area |
| | | Red Hill Manor HOA | 17.58 | A3 | Yes | Yes | Red Hill Rd | Possible | No | N | N | N | Potential HOA Open Space |
| | 242-36-1205 | | 10.02 | A3 | Yes | Yes | Red Hill Rd | Possible | No | N | M | N | Conservancy Lot |
| | | Baker, Theodore & Karen | 10.61 | TR10 | Yes | Yes | Evergreen Mills | No | Yes | N | N | N | Ex. SFD Use |
| | | Woodlands Neighborhoods LLC. | 100 | PDRV | Yes | Yes | Stone School | No | Yes | N | N | N | Conservancy Lot |
| | | Cook, Steven & Lynn | 100.51 | PDRV | Yes | Yes | Red Hill Rd | No | Yes | N | N | N | Conservancy Lot |
| | | Burleson, Jerry | 9.16 | TR3UBF | Yes | Yes | Stone School | No | Yes | N | N | N | Ex. SFD Use |
| 37 | | Kmak, Chester, & Christine | 10 | A3/TR3UBF | Yes | Yes | Red Hill Rd | No | Yes | N | N | N | Ex. SFD Use |
| | | Woodlands Neighborhoods LLC. | 100.02 | PDRV | Yes | Yes | Evergreen Mills | No | Yes | N | N | N | Conservancy Lot |
| | | Woodlands Neighborhoods LLC. | 100.02 | PDRV | Yes | Yes | Watson Rd | No | Yes | N N | N | N | Conservancy Lot |
| | | Woodlands Neighborhoods LLC. | 10 | PDRV | Yes | Yes | Watson Rd | No | Yes | N N | N N | N N | |
| | | Fox, Thomas & Monica | 10 | PDRV | Yes | Yes | Watson Rd | No | Yes | N N | N N | N N | Conservancy Lot Conservancy Lot |
| | | | 9.03 | TR3UBF | | | | No | | N N | N N | N N | , |
| | | Anderson, Rae & Mark Haselden | | | Yes | Yes | Stone School | | Yes | | | | Ex. SFD Use |
| | | Ziviello, Alfred & Ashley | 6.4 | TR3UBF | Yes | Yes | Stone School | No | Yes | N | N | N | Ex. SFD Use |
| | | Rodenburg, Mark & Carolyn | 14.66 | TR10 | Yes | Yes | Evergreen Mills | N | Yes | N | N | N | Ex. SFD Use |
| 49 | | Willowsford Homeowners Association INC. | 6.78 | TR3UBF | Yes | Yes | Langley Oaks | Yes | Yes | N | М | N | Platted Open Space per SBRD 2008-0008 |
| | | Rouse, Randolph | 13.12 | TR3UBF | Yes | Yes | Red Hill Rd | Yes | Yes | M | N | Y | Issues=Steep Slopes/Size |
| | | Baker, William & Joan | 11.86 | TR10 | Yes | Yes | Evergreen Mills | No | Yes | N | N | Y | Ex. SFD Use/Cemetary |
| | | Juno-Loudoun LLC. | 40.54 | TR3UBF | Yes | Yes | Watson Rd | Possible | Yes | | | | N/S - Directly Adj. to RPA and HOA Open Space |
| | 323-40-2851 | * | 15.95 | TR3UBF/AR1 | Yes | Yes | Watson Rd | No | Yes | | | | N/S - Straddles RPA and too close to Mt. Zion |
| | | Watts, Paul & Elaine | 14.91 | AR1 | Yes | Yes | Watson Rd | No | Yes | | | | N/S - Straddles RPA and too close to Mt. Zion |
| | 323-29-8483 | | 12.39 | AR1 | Yes | Yes | Watson Rd | No | Yes | | | | N/S - Straddles RPA and too close to Mt. Zion |
| 4 | | K E G Associates II | 45.7 | AR1 | Yes | Yes | Route 50 | Yes | Yes | | | | N/S - too close to Mt. Zion Church |
| | | Oxbridge Development @ Aldie LC. | 28.79 | TR1UBF | Yes | Proximate | Route 50 | Yes | Yes | | | | |
| | | Oxbridge Development @ Aldie LC. | 25.15 | TR1UBF | Yes | Proximate | Route 50 | Yes | Yes | | | | |
| 7 | 285-25-5814 | Buck, Regina | 38.02 | TR1UBF | Yes | Proximate | Route 50 | Yes | Yes | | | | |
| 5 | 324-20-7896 | Miscia General Partnership | 10 | TR3UBF | Yes | Proximate | Route 50 | Yes | Yes | | | | |
| 6 | 285-25-2784 | Ambrogi, Leo | 13.05 | TR3UBF | Yes | Proximate | Route 50 | Yes | Yes | | | | |

600 ZONE WATER STORAGE TANKS - TANK LOCATION CRITERIA

| | | | | | | INITIAL SCREENING TOOLS | | | | | LEVEL SCREENII | NG TOOLS⁵ | | | |
|------------------|----------------|----------------------------------|--------------|---------------|---|----------------------------------|---------------|---------------------|--|--------------------------------|---------------------------------|-------------------------------------|--|--|--|
| | | | | | НУС | DRAULIC | GENERAL | | | ENVIRONMENTAL | | | | | |
| LEGEND NUMBER | MCPI NUMBER | OWNER | AREA (AC) | ZONING | GROUND ELEV. 400' OR ABOVE ¹ | CENTRAL LOCATION ² | ACCESSED VIA | VIABLE ³ | LOCATION IS INTERNAL TO CUSTOMER BASE ⁴ | POTENTIAL ACCESS ISSUES? | POTENTIAL WETLAND ISSUES? | POTENTIAL STEEP SLOPE ISSUES? | Notes | | |
| 8 | 324-10-5538 | Ryu, Sung & Yom | 26.67 | TR3UBF | Yes | Proximate | Route 50 | Yes | Yes | | | | | | |
| 14 | 326-20-4161 | Light, Bernadette | 24.31 | TR1UBF | Yes | No | Braddock | N/I | Yes | | | | | | |
| 15 | 287-25-5709 | T&M Associates LP. | 21.75 | TR1UBF | Yes | No | Braddock | N/I | Yes | | | | | | |
| 16 | 287-25-8895 | Dennis, Bill & Linda | 15.5 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | | | | | | |
| 17 | 287-48-0949 | Willowsford Grove LLC. | 29.24 | TR1UBF | Yes | No | N/A | N/I | Yes | | | | | | |
| 18 | 289-46-3009 | Willowsford Greens LLC. | 359.52 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | | | | | | |
| 19 | 327-29-7094 | Herndon, John & Ann | 51.31 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | | | | | | |
| 23 | 326-10-2891 | LST LC. | 8.26 | TR1UBF | Yes | No | Braddock | N/I | Yes | | | | | | |
| 24 | 288-25-8724 | Gulick, Milton | 28.28 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | | | | | | |
| 62 | 287-46-9040 | Dower, Nikia | 8.92 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | | | | | | |
| 63 | 287-35-5474 | Drees Company | 5.14 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | | | | | | |
| 64 | 326-30-6342 | Rockbridge Community Association | 9.5 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | These prope | rties have not b | een analyzed bey | yond the initial identification screening as they do not meet | | |
| 67 | 326-30-4905 | Lodge, Thomas & Van Camp Tees | 6.71 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | Loudoun Wa | ter's requireme | nt to be north of | Route 50, which speaks to the centrally locating the facility. | | |
| 20 | 327-28-4120 | Willowsford Greens LLC. | 134.27 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | | | | | | |
| 22 | 326-29-3620 | Reilly, John & Bruce Deatley | 24 | TR1UBF/TR3UBF | Yes | No | Peach Orchard | N/I | Yes | | | | | | |
| 65 | 326-40-7344 | Polito, Ronald & Jacqueline | 11 | TR1UBF | Yes | No | Braddock | N/I | Yes | | | | | | |
| 66 | 287-45-2744 | Drees Company | 10.27 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | | | | | | |
| 70 | 326-19-3013 | Rudd, Jimmy & Wilma | 6 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | | | | | | |
| 71 | 327-49-2477 | Rudd, Jimmy & Wilma | 5.42 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | | | | | | |
| 72 | 327-49-4350 | Albright, James & Diane | 6.5 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | | | | | | |
| 10 | 286-26-4811 | Herzstein, Robert & Rivkin | 10.17 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | | | | | | |
| 11 | 286-17-0336 | Zarou, Rashid & Maher | 11.34 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | | | | | | |
| 12 | 286-16-0437 | Drees Company | 10.43 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | | | | | | |
| 13 | 287-45-8645 | Drees Company | 10.96 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | | | | | | |
| 21 | 327-48-2137 | Garvin, Paul & Jo Ann | 27 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | | | | | | |
| 60 | 286-27-0702 | Hays, Alan & Sharon | 7.46 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | | | | | | |
| 61 | 286-17-4786 | Johnson, John & Peggy | 5.59 | TR1UBF | Yes | No | Lenah Rd | N/I | Yes | | | | | | |
| 68 | 326-19-0693 | Hutcheson, Mark & Nancy | 10.98 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | | | | | | |
| 69 | 326-19-2049 | J B C Developers INC | 6.39 | TR3UBF | Yes | No | Peach Orchard | N/I | Yes | | | | | | |

Footnotes:

- An elevation of at least 400-feet maintains a maximum tank height of 200-feet.
- 2 Tank sites north of Rt. 50 have been determined to provide hydraulic benefits.
- 3 Tank sites were considered viable if they were not being presently used predominately as a single family detached (SFD) residence.
 - Sites were excluded if they were known to be HOA Open Space or Conservation Lots.
- 4 Tank sites are considered internal to customer base if land around the site is located in the Central System and is available for development.
- 5 Environmental issues (access, wetlands, and steep slopes) were consisdered to: (N) not to be a significant problem, (M) might present a problem, or (Y) is expected to be present a problem.