

2018 REPLACEMENT RESERVE STUDY

FAIRLINGTON GLEN CONDOMINIUM

Arlington, Virginia



FINAL REVISION
September 10, 2019

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INTRODUCTION

Purpose: The purpose of this Capital Reserve Study is to provide the Board of Directors for the Fairlington Glen Condominium Association, with a document that establishes the replacement reserve funding required to repair or replace physical assets when they reach the end of their useful service lives. The replacement schedules are based on estimated useful life as determined by normal aging schedules and a visual inspection of the existing conditions. This study, however, does not include a detailed condition assessment of each item.

It is critical to the success of a condominium association to have an adequately funded replacement reserve fund to provide for the replacement of the community's common elements as they reach the end of their useful lives. This Capital Reserve Study will help Fairlington Glen to determine the extent and timing of the future gross reserve contributions that will be required to finance major replacements and repairs as they become due. It will then be up to the Glen to provide for (1) the necessary funding of its required reserve contributions and (2) a preventive maintenance program that will minimize any reduction in the useful lives estimated in this study.

In developing this Capital Reserve Study, Restoration Engineering, Incorporated (REI) observed and documented the condition of the property at random locations and noted its associated elements or systems, and determined if the systems are functioning adequately and approximated when replacement is required. By having a general idea of the useful life of commonly owned items within the community, the Association can ensure that the quarterly assessments are adequate to cover the repair/replacement costs expected during any particular year. The property value of these condominiums will be protected through the use of this study by providing ample funding for the upkeep of these buildings.

Authority: This Type I Capital Reserve Study has been prepared in accordance with our proposal dated May 7, 2018. Field work and gathering of information was performed at various times during 2018 and in January of 2019.

Background and Historical Information: Fairlington Glen Condominium is located near the intersection of North Quaker Lane and King Street in Arlington. Fairlington Glen is comprised of 56 separate buildings each consisting of as little as 3 and as many as 11 individual town home or condominium style units.

Management: Presently, the Condominium is managed by Cardinal Management in Woodbridge, Virginia. The Condominium Association is responsible for common elements used by all owners (*walkways*, *signage*, *sidewalks*, *etc.*) as well as elements necessary to the function of the buildings (*i.e.*, *sewer systems*, *roofing systems*, *lighting*, *etc.*).

Scope of Services: REI performed the following services in preparation of this study:

- 1. Reviewed the 2013 Fairlington Glen Capital Reserve Study and associated documents, prepared by Restoration Engineering, Inc.
- 2. Reviewed documentation regarding the condominium conversion that was not available or reviewed as part of the previous study including:
 - a. "The Fairlington Story, Rebirth of a Village" (hereinafter referred to as "Fairlington Story"): This was a short, marketing book, prepared by CBI-Fairmac, detailing the renovation work that was performed in conjunction with the condominium conversion.
 - b. House and Home Magazine, August 1975, pgs 50-53 (hereinafter referred to as "H&H"): This was an article titled, "Is this the hottest condo conversion in the country?", and again detailed numerous elements of the renovation work that was performed as part of the condominium conversion.
- 3. Met with Board Representatives, Mr. Maynard Dixon and Mr. William Worsley, in February of 2018, to discuss potential changes to the assets catalogued in the previous CRS.
- 4. Reviewed construction drawings and details concerning previous projects, specified by Restoration Engineering, Inc., that were performed subsequent to the previous CRS.
- 5. Reviewed available contracts and receipts (provided by representatives of the Fairlington Glen Board Representatives) for repair and replacement work on the common elements in the last several years.
- 6. Reviewed and modified the Reserve Spreadsheet/Asset Schedule of the Association's physical assets that was previously prepared, in house, for the Glen's 2008 Reserve Study by Mr. William Worsley; and, was subsequently, in 2013, updated by REI as part of the previous CRS. This spreadsheet/schedule was modified based on site observations, information collected and submitted by various Glen Board representatives and owners at large, and from conversations with contractors who have worked on the buildings or are familiar with construction conditions in the broader Fairlington area of Arlington County. The primary modifications, other than updating costs and life expectancy for various elements, included:
 - a. <u>Elimination of "Sidewalk Replacement" from the Summary Table.</u> The Board has reportedly elected to treat sidewalks as a maintenance budget item moving forward. It is very difficult to track the condition and life expectancy of the concrete sidewalks on a comprehensive basis. Therefore, the Board will allot funds from the existing maintenance budget, on an annual basis, to repair and/or replace deteriorated sections of concrete sidewalk. Please note that the "Sidewalks" tab in the spreadsheet has not been deleted as this tab does provide relevant information regarding the previously allocated funding as well as the approximate square footage of sidewalk in each particular court.
 - b. <u>Updated "Parking Lots" Tab:</u> The table was updated to reflect maintenance, repair and replacement work that has been performed within the last five years. The "Remaining Useful Life" of the parking lots was also updated to reflect more current conditions. This resulted in deferring some of the previously anticipated (*per 2013 CRS*) comprehensive parking lot repairs in 2023.

- The plat was also updated to highlight the parking areas and to indicate the relevant square footage of the parking lot.
- c. <u>Updated "Curb_Gutter" Tab:</u> The table was updated to correlate with the parking lot repair recommendations and to provide for individual depreciation of the curb/gutter within each court.
- d. <u>Updated "Storm" Tab:</u> The table was updated to reflect recent stormwater improvements that were not reflected in the 2013 CRS, including any additions of drains and catch basins. The plat was also updated to show these improvements.
- e. <u>Created "Water" Tab:</u> The study was updated to include the water supply lines which were not included on previous studies. Based on research, REI determined that the existing water lines were installed in conjunction with the condominium conversion. The plat was also updated to show the numbering convention for the water lines as well as the lineal footage of each line. Please note that the study includes only the common element portion of the water lines where they extend up to the building wall. Per the bylaws, owners are jointly responsible for the water supply lines within the building footprint; therefore, the interior lines are not included in the study.
- f. <u>Eliminated "Swimming Pool" Tab and Created "Pools Revised" Tab:</u> Information regarding the swimming pool structure, equipment, furniture, etc. was broken down into further detail. Most notably, the wading pool was separated from the main pool as the various elements of both of these pools have different service lives and have not typically been repaired/replaced concurrently.
- g. <u>Modified "Roofs" Tab:</u> Both the plat and the table were modified to reflect all roof replacement work that has been performed since the previous CRS. Also, all previous roof replacement contracts, dating from 2004, were input into the table and adjusted for inflation in an attempt to derive an accurate unit cost for the slate roofing replacement.
- h. <u>Modified "Masonry" Tab:</u> Deleted references to the masonry stoops that were included in the previous CRS (*see next item*) as the BOD elected to make the stoops a separate depreciable asset. This tab will now only refer to general maintenance/repointing work that is related to the brick and stone building facade (*excluding chimneys and stoops*).
- i. <u>Created "Stoops" Tab:</u> This table was created based upon a table created by Mr. Bill Worsley in 2016, subsequent to the previous study and subsequent to completion of the first stoop repair project. All stoops are now identified individually and labeled on the plat. Life expectancies of each stoop have been modified based on recent maintenance, repair and replacement work; and, condition assessments performed in 2016.
- j. <u>Created "Chimneys" Tab:</u> All chimneys are now identified individually in the table and labeled on the plat. Each chimney cap is listed as a separate entity with corresponding life expectancy.
- k. <u>Created "Dormers" Tab:</u> All gable dormers (*not hip dormers or shed dormers*) are now identified individually in the table and labeled on the plat.

- 7. Visually inspected, photographed and estimated the remaining service life of the following common elements (please note that some elements were not able to be viewed/photographed i.e. sewers, water lines, etc.):
 - a. Hardscape including asphalt pavement, concrete curb, and gutter.
 - b. Utilities including:
 - i. Sanitary Sewer System including existing cast iron and terra cotta sewers including relining maintenance, clean out installation, etc.
 - ii. Storm Sewer System including existing terra cotta, PVC, Orangeburg, concrete and polyethylene piping systems and associated concrete and polyethylene catch basins.
 - iii. Water Supply System
 - c. Miscellaneous Site Features including signage, fencing (*multiple types*), handrails and exterior lighting.
 - d. Recreational Features including:
 - i. Swimming Pool and associated equipment and accessories
 - ii. Pool Deck and Coping
 - iii. Tennis Courts
 - iv. Pickleball Court formerly "Paddleball Court"
 - v. Basketball Court
 - vi. Bath House
 - vii. Tot Lot Equipment
 - e. Exterior Building Elements including:
 - i. Roofing Systems and Associated Flashings including gutters and downspouts.
 - ii. Attic Dormers excludes windows and window frames at dormers.
 - iii. Chimneys and chimney caps.
 - iv. Brick Masonry Stoops at entryways.
 - v. Building Facade including brick and stone masonry veneers and associated architectural elements such as exterior wood trim and shutters. While the architectural wood trim found throughout the property is a common element, it is considered an ongoing maintenance item; therefore, a certain percentage of the yearly budget is devoted to maintenance of these elements and, thus, reserves are not generally used for repair or replacement of these items.
 - vi. Front Canopies and Rear Porticos including the wood framing and architectural wood detailing at the front porch canopies and the small portico roofs at the rear of lower floor units.
 - vii. Doors and Windows at Common Areas of Apartment Style Units.

- f. Building Interiors and Services including:
 - i. General Common Elements at Common Interiors of Apartment Style units including Interior Finishes (*carpeting, trim, paint, etc.*), Mailboxes and Interior Lighting.
 - ii. General Elements at Management and Maintenance Offices including Interior Finishes (*flooring, trim, paint, etc.*), Interior Lighting, Furniture, and Office Equipment.
 - iii. Tools and Equipment utilized by on site maintenance personnel.

Please note that a comprehensive inspection of all elements was not performed. Only a small percentage of an item are actually inspected/reviewed to approximate the existing conditions and estimated quantities. We did not inspect every sealant joint, roof, gutter, metal flashing, etc.

- 8. Estimated the repair or replacement costs using the following sources:
 - a. Contractors' bids/costs for similar repair/replacement work on other projects.
 - b. Previous amounts paid for renovation work done on this property.
 - c. Published cost data such as Means Construction Cost Data.
 - d. Industry publications such as trade journals and news bulletins that discuss construction costs.
 - e. Discussions with contractors who have previously performed work at the Glen or other Fairlington properties.

Note that the cost projections assume that regular maintenance and repairs will be performed in accordance with accepted industry standards. The service lives of building components are reduced if proper maintenance and repair schedules are not followed.

- 9. **REI** excluded the following services or items from the survey:
 - a. Items that are the responsibility of the Unit Owners including:
 - i. Windows (with the exception of windows at common areas and pool house)
 - ii. Doors (with the exception of building entry door at apartment style units and doors at Pool House/Restroom Facility).
 - b. Items maintained by funds in the maintenance and operations budget, including but not limited to sidewalksexterior wood trim and fascia.
 - c. A code analysis to determine if items are in compliance with current local and State building codes, including accessibility issues.
 - d. Projects to upgrade the existing facilities as required to comply with current or new building codes or to upgrade to improve a specific system.
 - e. Identification or testing for any type of hazardous material.
 - f. Demolition or destructive testing to determine actual conditions.

- g. Evaluation of mechanical and electrical items by specialized consultants to better assess the mechanical and electrical systems.
- 10. REI also included a line item for the reserve study itself, with a useful life of 5 years (*the statutory interval between reserve studies*) because the Glen has chosen to save for such studies and to fund them from reserves.

Forward-Looking and Updatable: We were asked to make this study, as much as possible, a forward-looking analysis of the actual condition of the property. To further this goal, no asset that was fully functioning was listed as fully depreciated ($with \ annual \ depreciation = 0$), even though it might have exceeded the average useful life span reported in trade studies for such assets, unless the Glen was in the process of contracting for its replacement. In other words, when an aging Glen asset was still fully functioning, we did our best to estimate how much longer it was likely to last, given its age and the fact that it had already lasted so long. In making this determination, we relied on a wide variety of information, including trade studies of depreciation, conversations with contractors, and experience with similar assets in the much broader Fairlington area that includes the Glen.

As with the Glen's 2008 reserve study, this study was designed to provide an easily updatable model as well as a report on the condition of the Glen's assets. Asset replacement costs can be easily updated by using spreadsheet formulas to update inflation factors and replacement costs/unit (for example, by updating older roof replacement costs/square foot with those reflected in recent contracts).

General Reserve Fund Information: We did <u>not</u> perform a cash flow analysis, as might typically be done in a capital reserve study, because our understanding is that the Condominium will do this in house based upon the required reserve expenditure projections provided by this study. Thus, projections of revenues, operating expenses, gross reserve contributions, and the extent to which reserves will be fully funded (*reserves* = *accrued depreciation*) were beyond the scope of this study. REI will continue to work with the Glen's in-house accounting to revise the reserve funding figures once a funding plan is approved and established by the Board

Appendix A of this Study is the Asset Schedule for all Common Elements. Sub-Appendices A1, A2, etc. include specific data for some general items listed in the Asset Schedule. Appendix B, Multi-Year Reserve Expenditures Table, shows the expected Reserve expenditures over the next 20 years. All appendices are incorporated into a single spreadsheet which is derived from the Glen's 2008 Reserve spreadsheet, prepared by Mr. Bill Worsley and the same spreadsheet that was submitted in 2013. It is important to understand that these tables/appendices show a best estimate of repair/replacement requirements. The true cost can only be determined by obtaining bids based on a specific scope of work from several Contractors. Also, the tables do not dictate that replacement must occur in a given year.

This study reflects current building conditions and possible expenses for the Association, but the study is not a substitute for proper management of and maintenance of the community's common property. Usually, items are not replaced in the specific year that they are scheduled for replacement in the study. Since some aesthetic items do not jeopardize the integrity of the building systems, their replacement timing and value will vary depending on the desires of the Association. Additionally, some items will not survive their expected life spans and will require early replacement. Likewise, other items will exceed their expected life span and allow replacement to be delayed. Costs will vary as well and all estimates are based on conditions prevailing and observed at the time this report was prepared.

Capital Reserve Studies are required under the Virginia Condominium Act every five years. In addition, the Board is to review the results of the study at least annually to determine if reserves are sufficient and make any adjustments to maintain reserves. The Glen has been following, and should continue to follow, these practices.

OBSERVATIONS AND FINDINGS

General: The information provided in the following sections is grouped in accordance with the Reserve Schedule so that similar or related building systems and components are together. Each section is further broken down into numbered component parts which describe specific elements. The condition of each component is then determined and either the repair or replacement work recommended is identified. We also provide more detailed explanations of items where we found unusual conditions or where we made basic assumptions based on our knowledge of building systems. Each component number corresponds to a line item on the expenditure charts.

The information in the following sections discusses each building component, its condition, and recommendations for either repair or replacement. Each number has a corresponding line item in the Table at Appendix B that provides the estimated remaining useful life of each item and the estimated cost for replacement.

1. HARDSCAPE

1.1 ASPHALT PAVEMENT

- 1.1.1 General: All Courts are paved with asphalt. Based on test cut data from our 2006 Pavement Study, the original profile of the pavement probably consisted of a 2 to $2\frac{1}{2}$ inch base course and a 1 to $1\frac{1}{2}$ inch surface course. Over the years, multiple asphalt overlays have been installed, raising the profile of the pavement throughout the community and covering the original concrete curb at almost all locations. Based on the most recent pavement replacement work performed in Court 14 in 2018, there is very little stone subbase beneath the existing pavement.
- 1.1.2 Condition: The existing asphalt pavement is generally in varying, but generally fair, condition. As previously noted, the "Parking Lots" tab in the Asset Schedule has been updated to reflect repairs that have been performed recently including:
 - 1.1.2.1 Pavement overlay in Courts 11 and 14 and sealcoating of all remaining courts in 2011.
 - 1.1.2.2 Pavement overlay in Court 6 and sealcoating of Courts 1, 5, 7, 9, 10, 12, 15 & 16 in 2014.
 - 1.1.2.3 Replacement of pavement and associated curb, gutter and sidewalk in Court 14 in 2018.
- 1.1.3 Life Expectancy/Maintenance: Despite the rigorous maintenance, we anticipate that full replacement of the pavement will be necessary around 2023 with the exception of Courts 9 and 14. The pavement should be reevaluated, at that time, prior to proceeding with full scale replacement work. For the purposes of this Study, the life expectancy of all Courts (except 9 & 14) has been set at 10 years.
- 1.1.4 Replacement Considerations: Compliance with Arlington County regulations governing water runoff to the Chesapeake Bay (as delineated in the Chesapeake Bay Preservation Ordinance or CBPO) limits the Glen's ability to replace its parking lots completely down to the sub-grade (exposed earth) without either losing allowable surface area, using alternate surface materials (such as a more expensive permeable surface) or constructing additional drainage structures elements (filtration berms, sediment traps, etc.). Consequently, in the previous CRS, replacement of all Courts was lumped together (in 2023) to mitigate some of these additional costs in an attempt to achieve an economy of scale. However, based on the most recent replacement work in Court 14 and conversations with various paving contractors, it is more prudent to break up pavement replacement into smaller projects, perhaps even on a court-by-court basis. In order to avoid potential conflicts with Arlington County and the requirements of the CBPO, when this work is performed, the work must be staged in increments to avoid excess exposure of the subgrade and all equipment must be staged within the property limits of the Glen. Corresponding to this revised

recommendation, we have repositioned court replacement for each court, with only one or two courts performed per year, based on current conditions and recent maintenance work.

- 1.1.5 Coordination: As noted in the previous CRS, when the pavement is replaced the associated concrete curb and gutter should also be replaced and reconfigured as necessary. Consequently, all projected parking lot replacement work has been coordinated with proposed curb and gutter replacement work.
- 1.1.6 Cost Information: Unit Cost information for both replacement and ongoing asphalt maintenance were derived from previously performed work and conversations with asphalt paving contractors.

1.2 CONCRETE

1.2.1 Concrete Sidewalk

1.2.1.1 General: There are approximately 3 miles of sidewalks at Fairlington Glen (47,500 square feet). As referenced earlier in this survey, the Board has elected to treat sidewalks as a maintenance budget item moving forward. Heretofore, sidewalks have been included as a reserve study item; however, It is very difficult to track the condition and life expectancy of the concrete sidewalks on a comprehensive basis. Therefore, the Board will allot funds from the existing maintenance budget, on an annual basis, to repair and/or replace deteriorated sections of concrete sidewalk. Please note that the "Sidewalks" tab in the spreadsheet has not been deleted as this tab does provide relevant information regarding the previously allocated funding as well as the approximate square footage of sidewalk in each particular court.

1.2.2 Concrete Curb and Gutter

- 1.2.2.1 General: Poured in place concrete curb and gutter is installed along the perimeter of all Courts; however, in most locations, the gutter pan has been overlaid with asphalt and is not visible. As discussed in the pavement section above, multiple overlays have been installed at most Courts and, as a result, only the curb is visible with the exception of courts that have been recently reconstructed including Courts 9, 14 & 16.
- 1.2.2.2 Condition: Where visible the curbs are in fair condition but cannot be maintained without damaging the asphalt pavement.
- 1.2.2.3 Life Expectancy/Maintenance: The existing concrete curb and gutter is at the end of its useful life and should be replaced.
- 1.2.2.4 Replacement Considerations: Given that replacement of the concrete curb and gutter will have a significant impact on the adjoining asphalt pavement; and, as noted in the

previous commentary regarding the parking lots, we recommend that this work be performed in conjunction with the asphalt pavement reconstruction on a court-by-court basis. We previously calculated the length of concrete curb and gutter to be approximately 6,700 lineal feet. The estimated unit cost (*in \$2018*) to replace the concrete pavement is \$31.00 per lineal foot. Based on this unit cost, we estimate the 2018 replacement cost for the concrete curb and gutter to be **\$214,000.00**.

1.2.3 Concrete Alleys/pavement

- 1.2.3.1 General: There are two concrete paved alleyways on the property. The first is approximately 250 feet long and extends from a curb cut along South Stafford Street (between Courts 12 and 13) back towards the swimming pool. This is the emergency access lane for the swimming pool and must be open at all times during swimming pool operation periods. The second alleyway is approximately 150 feet long and extends from a curb cut along South 36th Street (between Courts 6 and 7) back towards the pickle-ball court. This alleyway was the original access drive for the boiler plant that sat where the existing pickle-ball court is located. As such, this alleyway does not require special access.
- 1.2.3.2 Condition: Both of the concrete alleyways are in marginal condition. There are numerous cracks at both alleyways and the pavement has been dislocated in some areas.
- 1.2.3.3 Life Expectancy/Maintenance: The existing concrete pavement should be repaired to extend life expectancy. Cracks can be routed and sealed to control water intrusion. Dislocated sections of pavement should be patched. The pavement should provide 10 years of additional service if repairs are performed.
- 1.2.3.4 Replacement Considerations: As noted above, we calculated the length of alleyway to be approximately 400 lineal feet. The alley is approximately 11 feet wide which yields an approximate square footage of 4,400 sf. The estimated unit cost to replace the concrete pavement is \$15.00 per square foot. Based on this unit cost, we estimate the 2018 replacement cost for the concrete alleyway pavement to be \$66,000.00.

2. UTILITIES

2.1 SANITARY SEWER

2.1.1 General: During the condominium conversion in the 1970's, bathrooms were installed in all basement levels. At that time, the original cast iron plumbing below the floor slab was removed and replaced with plastic (*typically polyvinyl chloride or "PVC"*) piping. All sanitary sewer piping converges below the basement slab in the "Low Unit" where the newer PVC piping is connected to an original cast iron, 4 inch diameter lateral that runs to a point a few feet outside the building wall. The lateral then typically transitions to a 6 inch diameter, terra cotta pipe which extends either to a manhole that is serviced by an Arlington County lateral or connects directly to the Arlington County Main in the street.

2.1.2 Terra Cotta Piping

- 2.1.2.1 General: As referenced in the paragraph above, almost all exterior laterals consist of 6 inch diameter, terra cotta pipes with bell and spigot joints. Based on information provided in the "Fairlington Story" we do not believe that these laterals were replaced during the condominium conversion. The detailing of the joints at the time of original construction was crude based upon available materials and methods at that time (early 1940's). Consequently, these types of systems are extremely susceptible to deterioration via dislocation and root penetration.
- 2.1.2.2 Condition: As documented in REI's 2006 Sanitary Sewer Survey and subsequent repair work, the original terra cotta piping was in marginal condition at the time of the survey; however, was still in functional condition and could be repaired. Subsequently, over the three-year period 2007-2009, 35 of the 56 terra cotta sewer laterals were relined using epoxy injected liner. The remaining 21 had either been previously relined or fully replaced, or in a few cases, were replaced by Dwyer during the 2007-2009 period. The relining work was performed, predominantly, by US Sewer and Drain. To our knowledge there have been relatively few issues subsequent to completion of the relining work and the Glen no longer incurs cost for maintenance of the exterior sanitary sewer laterals.
- 2.1.2.3 Life Expectancy/Maintenance: The life expectancy of relined terra cotta piping is generally estimated at 50 years; however, the technology has not been tested over a long enough period of time to determine if this estimate is conservative, realistic or overly optimistic. For the purposes of this Study the life expectancy has remained as 50 years. In approximately 15 to 20 years, the Glen should again perform a comprehensive inspection to assess the condition of the relined piping at its supposed half-life.
- 2.1.2.4 Replacement Cost: The replacement/relining costs assumed in the 2013 CRS have been maintained for the 2018 CRS.

2.1.3 Exterior Cleanouts

- 2.1.3.1 General: Over the years, several exterior cleanouts were installed to provide access to the terra cotta laterals at a point just outside the building walls. Installation of the cleanouts was necessitated by the need to perform frequent maintenance to prevent clogging of the laterals. When the comprehensive relining project was performed, numerous additional cleanouts were installed (except in 14 lines where access was from existing manholes) to provide permanent access to specific lines for the purpose of facilitating future inspection and maintenance. The cleanouts typically consist of a vertical, 6-inch diameter PVC pipe that extends just above grade where it terminates at a removable plug. The vertical pipe is typically connected to the lateral with a "Y" fitting.
- 2.1.3.2 Condition: The condition of the cleanouts is unknown due to the fact that the cleanouts are not readily viewable without the use of pipe inspection equipment. It is assumed that the cleanouts are in good condition due to the anticipated life expectancy of PVC pipe and fittings.
- 2.1.3.3 Life Expectancy/Maintenance: It is reasonable to assume that the exterior cleanouts will last as long as the sewer laterals. Given that the cleanouts would probably need to be replaced in conjunction with any major work on the sewer laterals, we estimate the life expectancy to be 50 years.
- 2.1.3.4 Replacement Cost: The replacement/relining costs assumed in the 2013 CRS have been maintained for the 2018 CRS.

2.1.4 **PVC Piping**

- 2.1.4.1 General: As previously noted, when the Glen was converted to condominiums most of the below grade piping beneath the units was replaced with Poly Vinyl Chloride (*PVC*) pipe. In addition, where original terra cotta sewer laterals were replaced over the years, they were generally replaced with new PVC pipe.
- 2.1.4.2 Condition: Only a small portion of the PVC pipe from the conversion era has been surveyed and is in good condition. Most of the replaced sewer laterals are relatively new and are also presumed to be in good to excellent condition.
- 2.1.4.3 Life Expectancy/Maintenance: Typically, the life expectancy of below grade PVC piping has been estimated at 50 years. However, recent research/testing on PVC pipe suggests that the life expectancy may be significantly higher than this figure; even up to and beyond 100 years. For the purposes of this study the life expectancy is estimated at 65 years.
- 2.1.4.4 Replacement Cost: The replacement/relining costs assumed in the 2013 CRS have been maintained for the 2018 CRS.

2.1.5 **Cast Iron Piping**

- 2.1.5.1 General: As previously noted, the sewer laterals that extend from the "Low Unit" to the exterior laterals are fabricated from cast iron pipe that is typically 4 inches in diameter. During the relining project a few of the interior cast iron laterals were relined but the vast majority have not been addressed.
- 2.1.5.2 Repairs performed since 2013 CRS: The Glen has engaged both Dwyer Plumbing and McDaniel Plumbing to perform a variety of repairs to the cast iron laterals since the previous CRS study was completed. Typically, partial repairs to the cast iron lines were performed in proximity to the tie-in with the terra cotta laterals or the interior PVC piping. Most recently, the lateral at 3523B S. Stafford Street (*Court 1*) experienced a sewer back-up that was, subsequently, determined to be caused by dislocation of the cast iron lateral at or near the point where it runs beneath the foundation wall.
- 2.1.5.3 Condition: In the course of the 2006 Sanitary Sewer Survey we were able to inspect a small portion of the cast iron laterals in instances where access to the exterior lateral could only be gained via the basement bathroom or interior cleanout. From this limited observance we noted numerous locations with standing water and widespread buildup of scale on the interior surface of the pipe. In many instances the camera head could not be pushed through the interior of the pipe due to the buildup of scale/corrosion. The scale can be cleaned via high pressure washing equipment (as was performed by US Sewer and Drain in locations where they installed an outside cleanout); however, the scale will continue to buildup over time and continue to reduce the cross sectional area of the pipe.
- 2.1.5.4 Life Expectancy/Maintenance: Cast iron piping, when properly installed with adequate slope and compacted bedding can provide service for 100 years or more. However, when not properly installed or in cases where the sub-grade has deteriorated (possibly due to high ground water/flooding) the piping can begin to sag or "belly" and hold water. Standing water in the piping accelerates corrosion of the cast iron and, eventually, will lead to failure of the pipe. Although conditions probably vary significantly (as highlighted above), we estimate the average service life to be 75 years at the Glen. Given this figure, the cast iron piping is nearing the end of its useful life and replacement/relining costs should be budgeted. Based on conversations with plumbers who routinely perform work in the Fairlington communities, this projection is validated by the fact that this type of failure is becoming considerably more common. Consequently, REI projects that the Glen will need to perform comprehensive repairs to all of the cast iron laterals within the next 20 years.
- 2.1.5.5 Replacement/Repair Options: As stipulated in the previous CRS, there are typically three options for addressing repair/replacement of the cast iron sewer laterals:

- 2.1.5.5.1 First Option: The first option is to simply replace the pipe with new pipe. Replacement of the piping is an extremely invasive and disruptive process which requires partial demolition of the basement floor slab. Although the Association is not responsible for replacement of damaged personal items (non common elements) this is still the most expensive option and should be avoided if at all possible. Although not desired, the Board should still allocate enough funding to account for complete replacement in at least twenty percent (20%) of the cases.
- 2.1.5.5.2 Second Option: The second option is to reline the interior of the cast iron piping in a manner similar to the relining of the exterior laterals. This is probably the most economical option provided that the pipe is sound and straight enough to allow for cleaning of the pipe scale and insertion of the relining equipment and the liner itself. For the purposes of the CRS, it is estimated that this option will be employed in fifty (50%) percent of the cases.
- 2.1.5.5.3 Third Option: The third and final option is pipe bursting. This method involves pulling a new plastic pipe through the old pipe. The method is called "Bursting" because the leading edge of the new pipe is mounted to a bursting head that splits open the old pipe to make room for the new pipe. For the purposes of the CRS, it is estimated that this method will be employed in thirty (30%) percent of cases. Please note that pipe bursting in this capacity has not actually been performed at the Glen (as opposed to the other two methods) so the viability and cost of this option is not as well defined. Once a few pipes have been replaced in this manner, the estimated cost for this work may need to be updated.
- 2.1.5.6 Replacement/Repair Considerations: REI Recommends the cast iron lateral repairs be performed every 5 years, with repairs being performed, in conjunction, at several units. Preferably, on a court-by-court basis. When soliciting pricing for this work, unit pricing for all three options listed above should be provided by the bidders. The scope of work should include preliminary, hydrojetting and camera inspection of all lines designated for repair in each particular phase. Following inspection, a decision should be made regarding the preferred repair approach for each particular lateral. Then, the cost can be determined based on the pricing submitted by the Contractor. If the repair amount exceeds the dollars that have been budgeted for that particular phase, some repairs can be postponed to meet budget requirements or additional funds can be allocated.

2.2 STORM DRAINAGE

2.2.1 General: For this Study we provided a detailed breakdown of all Stormwater Management elements as shown on the "Storm" tab of the Asset Spreadsheet. These elements have been broken down into piping and structure components. As noted earlier, new storm drain elements (*installed subsequent to 2013*) have been added to the "Storm" tab and are typically indicated on the plat.

2.2.2 Concrete Manholes/Catch Basins and Manhole Covers

- 2.2.2.1 General: There are numerous catchbasins throughout the property that collect stormwater runoff and divert runoff, via underground piping, into the Arlington County stormwater mains running along the various streets surrounding the Glen. The catchbasin covers are typically made from concrete while the basins themselves are made of either concrete or concrete masonry. At grade inlet locations (*in parking lots*), cast iron grates are installed while at other locations, the basin is accessed via manholes that are typically covered with cast iron manhole covers.
- 2.2.2.2 Condition: In general, the various catch basins are in good condition and should provide numerous additional years of service. For the purposes of this study the useful life of the basins is listed as 100 years but this figure may be exceeded. When the parking lots are reconstructed, it may be advisable/necessary to reconstruct some of the existing grade inlet catch basins that are within the parking areas.
- 2.2.2.3 Life Expectancy/Maintenance: Ongoing maintenance of all catch basins must be periodically performed to maintain proper operation of all catch basins. For example, some of the yard inlet basins have been choked with vegetative overgrowth or overzealous application of mulch which has impeded the drain inlet. Maintenance costs for these situations are not considered as part of the Reserve Study.

2.2.3 **Terra Cotta Pipe**

- 2.2.3.1 General: Many of the larger diameter pipes interconnecting catch basins or leading to the Arlington County Main are fabricated from terra cotta segments. This is the same type of piping that is used for the sanitary sewer laterals (see above) and which required relining in that instance. In the case of the storm laterals, the piping is a much larger diameter and, as such, is not as susceptible to blockages from root intrusion.
- 2.2.3.2 Condition: When the storm sewer survey was conducted in 2007, many of the terra cotta storm laterals were surveyed and were generally found to be in good condition.
- 2.2.3.3 Life Expectancy/Maintenance: For the purposes of this study, the life expectancy of the terra cotta piping has been set at 100 years; however, the service life may extend well beyond this amount of time.

2.2.3.4 Replacement Cost: Eventually, when the piping requires repair, the terra cotta lines should be relined with an epoxy liner in a manner similar to the sanitary laterals. The unit cost for relining of 12 inch diameter terra cotta piping is approximately \$150 per lineal foot (based on previous conversations with US Sewer and Drain and presumed inflation).

2.2.4 Poly Vinyl Chloride (PVC) Pipe

- 2.2.4.1 General: As previously noted, some of the original Orangeburg stormwater piping throughout the Glen was subsequently replaced with PVC piping.
- 2.2.4.2 Condition: The condition of the piping was not verified but was assumed to be in excellent condition given the age of the material.
- 2.2.4.3 Life Expectancy/Maintenance: The generally anticipated life expectancy of PVC storm drainage pipe is around 65 years but may be considerably higher.

2.2.5 **Polyethylene Pipe**

- 2.2.5.1 General: Throughout the Glen, in some areas, perforated and corrugated polyethylene piping (and catch basins see below) was installed to facilitate surface drainage. The piping is typically installed just below grade and typically interconnects plastic catch basins or discharges into a natural drainage feature or a concrete catch basin.
- 2.2.5.2 Condition: The condition of the piping varies depending upon age and installation. In locations where the piping was not properly wrapped with filter fabric and not properly sloped it is choked with sediment and is in poor condition. The polyethylene material itself is robust (especially when not exposed to UV light); however, the performance of this material over an extended period of time is not anticipated.
- 2.2.5.3 Life Expectancy/Maintenance: For the purpose of this Study the life expectancy is assumed to be 20 years.
- 2.2.5.4 Replacement Cost: When sections of corrugated polyethylene piping are replaced, we recommend that new perforated PVC sewer and drain pipe be installed in a manner similar to the recent work performed in the common area between Court 9 and Court 15 by Environmental Enhancements. The approximate unit cost to install new PVC S&D piping just below grade is \$25 per lineal foot.

2.2.6 Polyethylene Catch Basins and Grates

- 2.2.6.1 General: As noted in the previous Section, numerous polyethylene catch basins have been installed throughout the Glen.
- 2.2.6.2 Condition: The catch basins are generally in good condition.
- 2.2.6.3 Life Expectancy/Maintenance: For the purpose of this Study the life expectancy is assumed to be 20+ years of service.

2.3 WATER SUPPLY

2.3.1 Water Supply Piping

- 2.3.1.1 General: The water supply lines were not included on the previous CRS or any previous Glen CRS to the best of our knowledge. According to the "Fairlington Story" the conversion era work included "... Abandon all existing water service and install new water service from street mains with new meters..." Consequently, the existing water supply piping is approximately 46 years old. Based on previous, minor maintenance and repair work that has been performed at the Glen and other communities, the water supply lines are copper. The diameter of the supply lines varies based on the size of the building/number of units being serviced. It is assumed that the existing supply lines vary in diameter between 1 ½ inches up to 3 inches.
- 2.3.1.2 Plat/Asset Schedule Changes: Although the plat from the 2013 CRS Study did show the water lines, these lines were not previously labeled or catalogued. All water lines have been individually designated with a number consisting of the Court number plus a sequential number following a hyphen. In instances where a main line enters a particular court and branches off into several different lines, the main line is typically labeled as "1" (i.e. in Court 15 the line extending from the Arlington County Main into the center of the court is labeled as "15-1"). The linear footage of each line is also indicated on the plat in parentheses.
- 2.3.1.3 Water Supply for Pool/Office: Please note that the water line(s) servicing the existing pool and on-site maintenance office are not shown on the plat because the location could not be verified and is not shown on the original plat. It is presumed that this line is located in the area immediately behind Court 11 because the water meter servicing Court 11 also services the pool area.
- 2.3.1.4 Recent Repairs: In September of 2014, Dwyer Plumbing performed repairs to the 2 inch diameter, copper main at 4110 36th Street South in Court 5. In this particular instance, the main was leaking at the penetration through the foundation wall; therefore, comprehensive replacement was not required. Instead, Dwyer excavated on the exterior of the unit and replaced a small section of the original copper line. The cost for this work was \$4,625.00.
- 2.3.1.5 Condition: The condition of the copper supply lines is unknown. Very little repair/maintenance has been performed to these lines over the years (*see previous paragraph*); therefore, it is assumed that the lines are in fair condition, despite their age.
- 2.3.1.6 Life Expectancy Factors: The life expectancy of copper supply piping is generally assumed to be between 50 and 70 years but could be even greater if conditions are optimal. The life expectancy will vary depending upon a variety of factors including:

- 2.3.1.6.1 Acidity or alkalinity of the supply water. Neutral ph (7.0) is ideal.
- 2.3.1.6.2 Acidity/alkalinity of the soil in which it is placed.
- 2.3.1.6.3 Installation / proper bedding of pipe.
- 2.3.1.6.4 Possible galvanic corrosion at interface with and/or penetration through the cementitious materials in the foundation wall.
- 2.3.1.6.5 Thickness of the pipe wall. Presumably, a thicker wall pipe, designated by the applicable building code at the time, would have been installed.
- 2.3.1.7 Life Expectancy Projection: For the purposes of this study, given the limited number of repairs, the limited amount of information that is available regarding the original installation; and, the relative unknown condition of the pipe or water chemistry, the life expectancy of the existing copper supply lines has been estimated at 70 years. Therefore, comprehensive replacement is NOT anticipated within the next 20 years. When additional problems surface with the water supply piping, presumably within the next 5 to 10 years, a more accurate assessment of the condition of the piping can be performed and the type and installation of the piping can be more thoroughly documented.
- 2.3.1.8 Replacement Cost: To calculate the estimated replacement cost we first estimated the percentage of each line that extends under pavement, sidewalk or lawn/landscape. The cost to excavate and restore the overburden will vary significantly depending upon the type of landscape/hardscape above. These percentages were multiplied by the linear footage of each line and by the assumed unit costs for replacement. Please note that the size of the supply lines may also affect the replacement cost; however, given that the size of the existing lines is unknown, it was generally assumed that all lines are 2 inch for simplicity. Based on these calculations, the total estimated replacement cost for all water supply lines is \$910,000.00

3. MISCELLANEOUS SITE FEATURES

3.1 SIGNAGE

- 3.1.1 General: Site signage is limited. At various entry points throughout the property, there are two, painted, High Density Urethane (HDU) signs (21 sets total). The upper sign shows the address/Court information while the lower sign indicates that parking is reserved and unauthorized parking will be towed. Each of these signs is mounted to two, four-by-four, pressure treated, painted wood posts. There are also approximately sixteen painted, custom aluminum signs positioned around the property and indicating various information including: "Private Property", "Do Not Climb Fence", etc. All of the signs were fabricated by Banana Banner in late 2017/early 2018.
- 3.1.2 Condition: The signs are all relatively new and are in excellent condition.
- 3.1.3 Life Expectancy/Maintenance: The HDU material is considerably more durable than wood (previous sign material) and should provide long term protection against deterioration, warping and/or other deterioration that might be expected with wood signage. It is very likely that the HDU material itself will outlast the painted finish on the sign. For aesthetic reasons, the BOD may wish to refurbish or replace the signs earlier than necessary but, for the purposes of this study, the life expectancy has been set at 20 years.
- 3.1.4 Replacement Cost: As previously noted, the signage was recently fabricated by Banana Banner and cost information is readily available. The cost to fabricate the HDU signs and associated posts was approximately \$18,900.00 or approximately \$85 per square foot. The cost to fabricate the aluminum signs was around \$500.00 or \$16 per square foot.

3.2 FENCING

General: A "Fencing" tab was added to the Asset Schedule/Spreadsheet during the 2013 CRS to provide detailed information regarding the quantity, life expectancy and anticipated replacement cost of the various types of fencing utilized at the Glen. To our knowledge, no fencing replacement work has been performed subsequent to the previous CRS; therefore, many of the recommendations remain in place (see below for additional discussion).

3.2.1 **Patio Fencing**

3.2.1.1 General: Privacy fencing (approximately 6 feet high) is installed around all private patio areas in the rear of the units. The pressure treated wood fencing is fabricated with pressure treated 4 by 4 posts and 6 by 6 posts (at gates) set in concrete. All posts are

covered with plastic, pyramid style post caps. Fence rails consist of three, parallel, pressure treated 2 x 4's secured to the posts with galvanized steel fence brackets. The fence is clad on both sides with staggered, pressure treated 1 x 4's that are secured to the rails with 2 nails at each rail. The cap rail consists of a pressure treated 1 x 4. The gate frames are fabricated from pressure treated lumber and are clad with tightly spaced 1 x 4 lumber on one side. The top edge of the gate is scalloped to provide some architectural detail. The gate hardware is heavy duty, coated, galvanized steel hardware that is available at many home improvement centers. This fencing was installed in 1997 by Long Fence.

- 3.2.1.2 Condition: Although the patio fencing is now 21+ years old, it is still, generally, in fair condition. This condition is partly attributable to continued maintenance that has been performed by on-site maintenance staff. On August 9, 2018, Bill Worsley met with Nate Eback, a sales representative for Long Fence, to discuss their bid for replacement of the pickle-ball court fence (see below). Bill reported that Mr. Eback indicated that the patio fences could have a useful life of up to 30 years if properly maintained. We attempted to confirm this information with Mr. Eback but he no longer works for Long Fence. Other Long Fence representatives did indicate that a 30 year life expectancy is possible if the fence is well maintained and is not subject to high wind conditions.
- 3.2.1.3 Life Expectancy/Maintenance: The life expectancy of the patio fencing was revised to 25 years (previously listed as 20 years) in the 2013 CRS based on the condition. however, given the condition, we believe the life expectancy can be extended another 3 to 5 years provided maintenance is performed. We would recommend that the BOD encourage the on-site maintenance personnel (or fencing contractor) replace deteriorated/curled/warped fence cap rails to extend the life of the wood fencing. This will prevent moisture from readily entering the end grain of the wood slats. At gates, the exposed end grain at the cut edge along the top of the gates exhibits preliminary deterioration. A sealer should be applied to the end grain in an effort to inhibit moisture from entering the end grain.
- 3.2.1.4 Replacement Cost: We had previously calculated the length of patio fencing to be approximately 13,250 lineal feet based on the site plan that we previously prepared in AutoCad. Based on this quantity we estimate the 2018 replacement cost to be approximately \$425,000.00 based upon assumed inflation since 2013. The patio fencing was last replaced in 1997 at a cost of approximately \$250,000.

3.2.2 **Split Rail Fencing**

- 3.2.2.1 General: The vinyl split rail fence installed along the sidewalk that abuts the parking lot in Court 4.
- 3.2.2.2 Condition: Fencing was installed in 2010 and is still in good condition.

- 3.2.2.3 Life Expectancy/Maintenance: We anticipate an additional 15+ years of service and maintenance costs should be minimal.
- 3.2.2.4 Replacement Cost: The current estimated replacement cost, in 2018 dollars, is **\$8,250.00**.

3.2.3 **Perimeter Fencing**

- 3.2.3.1 General: The border of the property that adjoins King Street and Quaker Lane is protected by a 6 foot high chain link fence. The fence along Quaker Lane was installed in 1977 and the short section of fencing between 36th Street and King Street (*along Quaker Lane*) was reportedly installed some time later. The installation date for the fencing along King Street is not known and may date to the condominium conversion.
- 3.2.3.2 Condition: Despite the age of the perimeter fence, the fence continues to function well and is in serviceable condition. The aluminum "H" posts are plumb and exhibit minimal corrosion. Our assumption is that the posts were set in concrete. The posts were painted with a green coating/paint which is failing at numerous locations. The galvanized steep pipe top rail of the fence exhibits corrosion in numerous areas; however, the corrosion appears to be, predominantly, surface corrosion. Like the posts, the top rail was painted/coated some time ago but the paint has failed at numerous locations. The chain link itself is a PVC coated (green color) galvanized steel material that is in good condition. Our assumption is that the fence posts and top rail are original while the chain link was installed at a later date. Presumably, the original chain link was removed and the posts and top rail were painted prior to installation of the new wire mesh.
- 3.2.3.3 Life Expectancy/Maintenance: Given the varying condition of the fence components and finishes, we believe the perimeter fencing can provide 10+ years of additional service provided some maintenance is performed to address the ongoing corrosion of the top rail. It would be advantageous to review the existing condition with several fencing contractors to determine the optimal maintenance approach.
- 3.2.3.4 Replacement Cost: We estimated the length of perimeter fencing from field observations and a takeoff from available CAD drawings resulting in a total estimated length of 2200 feet. The estimated unit cost for replacement, in \$2018, is approximately \$31.75 per lineal foot yielding an anticipated replacement cost of \$70,000.00. Replacement costs assume in-kind replacement and costs could be significantly higher if the Board elects to install a wooden fence in lieu of chain link when replacement is performed.

3.2.4 **Pool Perimeter Fencing**

3.2.4.1 General: A six-foot-high decorative aluminum fence is installed along the perimeter of the pool deck and a shorter section of aluminum fencing is installed between the baby pool and the main pool.

- 3.2.4.2 Condition: The fencing is still in excellent condition and should provide 15+ years of additional service as planned.
- 3.2.4.3 Life Expectancy/Maintenance: The aluminum fencing has a lifespan of approximately 30 years as estimated on the previous study and should provide 15+ years of additional service as planned.
- 3.2.4.4 Replacement Cost: The aluminum fencing was replaced in 2003 at a cost of \$32,200 or roughly \$80 a lineal foot. We estimate the 2018 replacement cost to be equivalent with the 2003 cost + inflation. Consequently, the estimated unit cost to replace the fence is \$109 per lineal foot yielding a total estimated replacement cost of **\$43,500.00**.

3.2.5 Court Perimeter Fencing

- 3.2.5.1 General: Ten-foot-high chain link fencing is installed around all of the tennis courts and the pickle-ball court. There is a short (*three-foot-high*) section of chain link fencing along the north side of the basketball court.
- 3.2.5.2 Condition: The pickle-ball court fence is new and in excellent condition. The triple tennis court and basketball court fences were installed in 2011 and are in still in good condition. The single tennis court fence was installed in 2003 and is in marginal condition.
- 3.2.5.3 Life Expectancy/Maintenance: For the purpose of this study, the pickle ball court fence should provide another 30 years of service, the triple tennis court fence and basketball court fence should provide another 23+ years of service as planned, and the single tennis court should be replaced in the next 6 to 8 years.
- 3.2.5.4 Replacement Cost: We calculated the length of ten-foot-high fencing to be approximately 1,070 lineal feet and the length of the three-foot high fencing to be approximately 80 lineal feet. Based on these quantities, we estimate the 2018 replacement cost to be approximately \$47,000.00.

3.3 HANDRAILS

3.3.1 Wrought Iron Handrails

- 3.3.1.1 General: Throughout the property, in areas where there are more than 2 or 3 concrete steps in succession, wrought iron handrails have been installed to prevent falls and to assist pedestrians when climbing or descending the stairs. This item was not included on previous studies but has been included with this study because it is a common element.
- 3.3.1.2 Condition: In general, the handrails are in fair condition although there are a number of areas where the handrail posts are slightly loose and are not anchored properly. Loose handrails could be a liability issue so on site maintenance personnel should be vigilant with maintenance and repair.

- 3.3.1.3 Life Expectancy/Maintenance: We anticipate that the handrails will provide 10 years of additional service.
- 3.3.1.4 Replacement Cost: We counted a total of 40 handrail sections during our 2013 survey of the property. To our knowledge, none of these sections has been removed and no new sections of handrail have been added subsequent to the 2013 study. The length of each section varies considerably but the actual lineal footage was not calculated. We anticipate the replacement cost, in \$2018, to be approximately \$238.00 per section or \$9,500.00.

3.4 EXTERIOR LIGHTING

3.4.1 **Carriage Lights**

3.4.1.1 General: Throughout the community, there are a number of "Carriage" lights that are mounted to poles approximately 20 to 30 feet from the main entrances to individual units. In a comprehensive survey, conducted by Bill Worsley in August of 2017, 192 total poles and lights were identified. To our knowledge, no additional lights have been added subsequent to the 2013 study. The carriage lights are connected via circuitry that runs to a common electrical panel. In general, one circuit is provided per Court. Replacement of the circuitry that feeds the carriage lights is likely more expensive than the carriage lights themselves and the life expectancies, following replacement, are different as well; therefore, for the purposes of this study, the Carriage Lights and the circuitry that supports the carriage lights (see below) were separated into separate line items in the 2013 study.

3.4.1.2 Recent Repairs:

- 3.4.1.3 Condition: The condition of the carriage lights varies somewhat due to varying exposure conditions; however, in general, the lights and light poles are in average condition with many poles in poor condition. As previously noted, Bill Worsley conducted a comprehensive survey of the carriage lights in 2017 and identified at least 74 poles with current deficiencies (38 percent).
- 3.4.1.4 2018 Modifications in Court 14: The recently completed parking lot reconstruction in Court 14 also included installation of new electrical conduit for the carriage lights in Court 14 as it was advantageous to install the new conduit before placing new concrete sidewalk and asphalt pavement. When this work was performed the existing lights and poles were reinstalled and reconnected. To comply with code requirements, the electrical subcontractor who performed this work had to install new in-ground electrical junction boxes/enclosures at each light. These boxes are unsightly and present potential issues with ongoing lawn/landscape maintenance.

- 3.4.1.5 Life Expectancy/Maintenance: We estimate that the lights and light poles will provide an additional 2 to 4 years of service. When the lights are replaced, the circuitry should also be replaced (see Carriage Light Circuits below).
- 3.4.1.6 Replacement Recommendations/Costs for Light Mountings: The existing light poles are buried in the ground and are susceptible to damage/dislocation due to a variety of conditions including: mowing equipment, vandalism, wet ground, etc. When the lights/poles are replaced, we would strongly recommend that the new light poles be mounted to concrete piers, in lieu of a buried installation. An 8 or 10 inch diameter concrete pier would be formed at each pole location using a round form (*Sonotube or similar*). Prior to placement of the concrete, new conduit would be run, below grade and up through the center of the form, penetrating through the center of the pier. The top of the form would be set at grade level. Once the concrete is poured, stainless steel anchor bolts would be set in the freshly placed concrete using a template provided by the post manufacturer (see below for post information). This type of installation would provide a more attractive, lower maintenance system moving forward. The estimated cost to install a new concrete mounting base with anchor bolts is \$105 per pole/light which yields a total estimated cost of \$19,500.00.
- 3.4.1.7 Pole Replacement Recommendations / Costs: When the poles are replaced, we would recommend replacement with a standard, 3 inch diameter pole to match the existing installation as much as possible. We would strongly recommend installation of an extruded or cast aluminum (not steel) pole to provide long term protection against corrosion. It is also recommended that the pole have a high quality finish to limit maintenance costs. The pole should include (as either part of the pole or as an accessory) a mounting base that is designed to be secured with anchor bolts. The pole should also include an integral, removable cover/junction box to accommodate wiring installation and to comply with current electrical code requirements. This will eliminate the need to install ground access boxes as was done recently at Court 14. The estimated cost to install new anchor mounted, prefinished aluminum poles is \$205 per pole/light which yields a total estimated cost of \$38,000.00. Please note that there is a wide variety of pole options available in various styles and materials. This cost could vary significantly based on the type of pole that is selected. Again, REI does not recommend installation of a less expensive, lighter gauge steel pole as these types of poles would be subject to premature degradation.
- 3.4.1.8 Light Fixture Replacement Recommendations / Cost: When the carriage lights are replaced, the new lights should match the existing lights (*or at least be of a traditional style*) to preserve the character of the existing installation. REI strongly recommends conversion to LED fixtures to reduce operating costs and to provide a low maintenance installation. Once again, the cost for new fixtures could vary given that the cost of lighting fixtures varies tremendously depending upon style and materials. In May of 2018, Bill

Worsley researched available products from Lowes and distributed a document to all Board members showing eight different options, varying in price from \$45 to \$135 per fixture, that are similar to the existing fixtures. For the purposes of this study, the estimated cost to replace the carriage lights with new, LED fixtures is \$225 per light/fixture which yields a total estimated replacement cost of **\$43,000.00**.

- 3.4.1.9 Photocells: When the new carriage lights and carriage light circuits are installed, new photocells should be installed at all circuits. The estimated unit cost to install new photocells is \$200 per cell which yields a total estimated cost of \$3,200.00.
- 3.4.1.10 Optional Exterior Outlets: When the new circuitry is installed, REI strongly recommends installation of new exterior power circuits. In all likelihood a new power circuit would need to be independent of the new lighting circuit but the new circuit wiring could be run in the same conduit. In our experience, there have been numerous occasions where the on site maintenance personnel have "hot-wired" one of the existing carriage light circuits to provide power for various maintenance equipment that is utilized throughout the property. Obviously, this is not a safe or preferred operation. Installation of new, common electrical circuits within the Courts would provide readily accessible power for future maintenance operations. Power outlets/receptacles would typically be limited to one per Court (perhaps 2 at larger courts) and all outlets would need to be mounted in tamper proof, exterior rated housings with integral locking features.

The estimated cost to integrate electrical power and associated circuitry/hardware, in conjunction with lighting upgrade, is **\$8,000.00**

3.4.2 **Carriage Light Circuits**

- 3.4.2.1 General: As noted above, the carriage lights are connected to a common lighting circuit at each Court. This circuit for the exterior lights is typically a buried electrical cable that is, presumably, exterior rated.
- 3.4.2.2 Recent Circuitry Repairs: Over the past several years, Power Systems Electric, Corp. (PSE) has performed an extensive amount of repairs to the carriage light circuitry including:
 - 3.4.2.2.1 May 2, 2012 (Pool Area): Replaced 190 feet with conduit/new conductor for a total cost of \$2,794.18.
 - 3.4.2.2.2 April 8, 2014 (Pool and Court 10): Replaced 80 feet with conductor for a total cost of \$2,032.45.
 - 3.4.2.2.3 April 23, 2014 (Court 3): Replaced 180 feet with conduit/new conductor for a total cost of \$2,805.83.
 - 3.4.2.2.4 May 13, 2015 (Court 2): Replaced 40 feet with conduit/new conductorand installed new interior conduit for a total cost of \$2,392.66.

- 3.4.2.2.5 October 14, 2015 (Court 6): Replaced 180 feet with conduit/new conductor for a total cost of \$2,365.36.
- 3.4.2.2.6 November 5, 2015 (Pool + Tennis + Basketball Court): Replaced 150 feet with conduit/new conductor for a total cost of \$2,023.13.
- 3.4.2.2.7 April 7, 2016 (Court 3): Replaced 40 feet with conduit/new conductor for a total cost of \$2,030.81.
- 3.4.2.2.8 December 20, 2017 (Court 1): Replaced 40 feet with conduit/new conductor for a total cost of \$2,105.20.
- 3.4.2.2.9 February 22, 2018 (Court 1): Miscellaneous electrical repairs for a total cost of \$1,372.47.
- 3.4.2.3 Condition: As noted in the previous study and as highlighted by the spate of recent repairs chronicled in the previous paragraph, this circuitry is not reliable and is not installed in accordance with current <u>Electrical Code Requirements</u>. In brief, buried wiring must be a minimum of 24 inches below grade.
- 3.4.2.4 Circuitry Replacement Recommendations: We strongly recommend that the existing circuitry be replaced in conjunction with replacement of the lights themselves. When the circuitry is replaced there are two options:
 - 3.4.2.4.1 Option 1: New, exterior rated, insulated conductor (*not in conduit*) can be installed; however, this conductor must be buried a minimum of 24 inches below grade level which will require substantial excavation throughout the property; or
 - 3.4.2.4.2 Option 2: New, exterior rated, intermediate metal conduit (<u>IMC</u>) can be installed at a minimum depth of 6 inches below grade. Clearly, Option 2 is more economically viable and less invasive to the property.
- 3.4.2.5 Life Expectancy: We anticipate that the new, IMC conduit/circuits will provide approximately 50 years of service if properly installed.
- 3.4.2.6 Replacement Cost: In the previous reserve study we estimated the total length of circuitry for the carriage lights to be around 9,200 lineal feet. The approximate unit cost to install new conductor in IMC is \$12.50 a lineal foot yielding a total estimated replacement cost of around **\$115,000.00**. Please note that this cost may be slightly less if some of the recently installed conduit can be reused as part of the replacement work.

3.4.3 **Swimming Pool Pole Lights**

- 3.4.3.1 General: There are 13 pole lights surrounding the swimming pool that were presumably installed around the time of the conversion.
- 3.4.3.2 Condition: These lights are generally in fair condition but many of the poles are leaning and some of the connections between the lights and the poles appear suspect.

- 3.4.3.3 Life Expectancy/Maintenance: For the purpose of this study, these lights should provide an additional 5 years of service.
- 3.4.3.4 Replacement Cost: The estimated unit replacement cost, in 2018 dollars, is \$800 per light (*revised up from \$500 in previous study*) yielding a total estimated replacement cost of **\$10,400.00.** Once again, this cost could vary significantly depending upon the material and style selected.

4. RECREATIONAL FEATURES

4.1 SWIMMING POOL

Please note that the "Swimming Pool" tab from the 2013 Asset Schedule/Spreadsheet has been eliminated and replaced with the "Pools Revised" tab. The information in this revised tab is significantly more detailed than the previous study.

4.1.1 MAIN SWIMMING POOL:

The existing swimming pool was constructed, in 1974 as part of the condominium conversion, and is a standard, in ground, concrete swimming pool with a plaster "whitecoat", tile borders and precast concrete coping stones.

4.1.1.1 Whitecoating

- 4.1.1.1.1 General: Replastering or "Whitecoating" of the pools was performed in the Spring of 2016 by Atlantic Pool Service, Inc. To our knowledge, Atlantic also manages pool operations and performs periodic maintenance.
- 4.1.1.1.2 Condition: The whitecoat is less than 3 years old and is in good condition.
- 4.1.1.1.3 Life Expectancy/Maintenance: The anticipated life expectancy of the whitecoat was previously estimated at 10 years (2013 Study); however, based on correspondence between the Board of Directors and Steve Bogdanoff (*President of Atlantic Pool Service, Inc.*) In November of 2015, a more reasonable life expectancy for the whitecoat is approximately "...6 to 8 years..." For the purposes of this study, the life expectancy has been assigned as 7 years.
- 4.1.1.1.4 Replacement Cost: Based on conversations with commercial swimming pool contractors, current pricing for whitecoating is around \$3.50 per square foot which calculates to a total 2018 cost of approximately \$13,800.00.

4.1.1.2 Coping Stones

- 4.1.1.2.1 General: There are existing precast concrete coping stones and decorative ceramic tile (at the water line) along the perimeter of the main pool.
- 4.1.1.2.2 Condition: Fair
- 4.1.1.2.3 Life Expectancy/Maintenance: The existing stones and tiles are estimated to have a remaining useful life of approximately 9 years.
- 4.1.1.2.4 Replacement Cost: The estimated unit replacement cost of the coping stones at the Main Pool, in 2018 dollars, is \$75.00 per lineal foot yielding a total anticipated replacement cost of around **\$19,500.00**.

4.1.1.3 **Perimeter Tile**

- 4.1.1.3.1 General: There are existing decorative tile (at the water line) along the perimeter of the main pool.
- 4.1.1.3.2 Condition: Excellent. The perimeter tile was replaced in conjunction with application of the new whitecoat in 2015.
- 4.1.1.3.3 Life Expectancy/Maintenance: The perimeter tile has a remaining useful life of approximately 11 years.
- 4.1.1.3.4 Replacement Cost: The estimated unit replacement cost of the perimeter tile, in 2018 dollars, is \$45.00 per lineal foot yielding a total anticipated replacement cost of around \$11,300.00.

4.1.1.4 **Transition Tile**

- 4.1.1.4.1 General: There are existing decorative tile at the transition from the shallow end to the deep end as well as other miscellaneous tile at steps.
- 4.1.1.4.2 Condition: Excellent. The transition tile was replaced in conjunction with application of the new whitecoat in 2015.
- 4.1.1.4.3 Life Expectancy/Maintenance: The transition tile has a remaining useful life of approximately 11 years.
- 4.1.1.4.4 Replacement Cost: The estimated unit replacement cost of the perimeter tile, in 2018 dollars, is \$45.00 per lineal foot yielding a total anticipated replacement cost of around **\$2,700.00**.

4.1.1.5 Pool Covers

- 4.1.1.5.1 General: The previous study (2013) allocated funding for purchase of a pool cover despite the fact that the Glen had not previously utilized a cover. This was done in order to provide better protection for the whitecoat. New pool covers were installed by Atlantic Pool Service, Inc., over both the Main Pool and the Wading Pool, in 2017 (exact date unknown). The pool covers are manufactured by Meyco and are fully warrantied for materials and workmanship for a period of two years (presumably up to the Summer of 2019). Meyco also provided a 12 year, prorated, material warranty for the cover which will extend up to 2029.
- 4.1.1.5.2 Condition: The covers are still relatively new and are in excellent condition.
- 4.1.1.5.3 Life Expectancy/Maintenance: To preserve the life of the pool cover it is important that the warranty conditions are followed. Most notably, the water level must remain within 18 inches of the cover to avoid excessive deflections under heavy snowloads. For the purposes of this study, the life expectancy of the cover is estimated to be 18 years.
- 4.1.1.5.4 Replacement Cost: For the purposes of this Study and based on allocation in the previous Study, funding is allocated for a pool cover in approximately

17 years at an estimated cost of \$2.95 per square foot or around \$9,100.00 (in \$2018).

4.1.1.6 Main Pool Beam/structure Repair

- 4.1.1.6.1 General: Based on conversations with swimming pool contractors and previous expenditures, it is assumed that periodic repairs will be necessary to the perimeter of the pool structure (*typically referred to as the pool "beam"*).
- 4.1.1.6.2 Condition: The condition of the structural concrete along the perimeter of the pool shell is unknown.
- 4.1.1.6.3 Life Expectancy/Maintenance: Although the existing conditions are not known, it is prudent to budget funding for periodic structural repairs to the pool beam. For the purposes of this study, the interval of these repairs is set at 20 years.
- 4.1.1.6.4 Replacement Cost: For the purposes of this study, the estimated cost to perform periodic structrual repairs to the pool beam is **\$25,000.00**.

4.1.1.7 Main Pool Structure Repair/replacement

- 4.1.1.7.1 General: The 2008 Reserve Study included an allocation for "Pool Reconstruction" based on information garnered from a Reserve Study for an adjacent Fairlington property and confirmed by the association's pool contractor. Presumably, "reconstruction" would entail complete removal and replacement of the existing pool shell and associated piping.
- 4.1.1.7.2 Condition: As noted in the previous survey, based on conversations with various pool contractors, it is uncertain if complete reconstruction of the pool will be required in the next 20 to 30 years as previously allocated. Apparently, swimming pools constructed in the 1970's (*such as FG*) are often superior in construction to those that were fabricated in the 1980's and even into the early 1990's due to changes in gunite/shotcrete materials and application methods.
- 4.1.1.7.3 Life Expectancy/Maintenance: For the above reason, the swimming pool may not need complete reconstruction and periodic structural repair and piping maintenance/replacement can be performed instead. For the purposes of this Study the life expectancy is listed as 60 years.
- 4.1.1.7.4 Replacement Cost: The 2008 study included an allocation of \$500,000 but the funding was reduced to \$250,000 in the previous study and, for the purposes of this study, is again estimated at **\$250,000.00**.

4.1.2 MAIN POOL EQUIPMENT

- 4.1.2.1 **Main Pool Skimmers:** The existing skimmers at the perimeter of the pool are presently in fair condition and have an estimated remaining useful life of 9 years. For the purposes of this study, the estimated cost to replace the skimmers at the Main Pool is **\$13,500.00**.
- 4.1.2.2 Main Pool Filters: The main pool filter system consists of three separate, cartridge style filters with 4 separate filters in each filter. Steve Bogdanoff indicated that the existing filters are in fair condition; however, he noted that the filters/cartridges are very difficult to service and the service can typically not be performed by lifeguards. Steve also indicated that it cost around \$1,000.00 to replace the cartridges every other year. If the filters are not services properly, it will be difficult to maintain the proper cycling of the pool water and could put additional stress on the pool pump. Mr. Bogdanoff strongly recommended converting the existing cartridge filter system to a sand filter system when the existing filters have reached the end of their useful life. The estimated remaining useful life of the existing filters is 3 years. For the purposes of this study, the estimated cost to install new sand filters at the Main Pool is \$12,800.00.
- 4.1.2.3 **Main Pool Pump:** The existing main pool pump is a commercial grade, brass pump and is in good condition according to Mr. Bogdanoff. The estimated remaining useful life of the pump is 16 years. For the purposes of this study, the estimated cost to replace the pump at the Main Pool is **\$10,000.00**.

4.1.3 WADING "BABY POOL"

- 4.1.3.1 **Wading Pool Whitecoat**: See 4.1.1.1 for detailed information regarding the whitecoat. The existing whitecoat at the Wading Pool was installed in 2014 by Neptune Aquatics. The whitecoat is in fair condition and has an estimated remaining useful life of 3 years. For the purposes of this study, the estimated cost to replace the whitecoat at the Wading Pool is **\$3,700.00**.
- 4.1.3.2 **Wading Pool Coping Stones:** See 4.1.1.2 for detailed information regarding the Coping Stones. The existing Coping Stones at the Wading Pool were installed in 2014 by Neptune Aquatics. The Coping Stones are in good condition and have an estimated remaining useful life of 26 years. For the purposes of this study, the estimated cost to replace the Coping Stones at the Wading Pool is **\$5,000.00**.
- 4.1.3.3 **Wading Pool Perimeter Tile:** See 4.1.1.3 for detailed information regarding the Perimeter Tile. The existing Perimeter Tile at the Wading Pool was installed in 2014 by Neptune Aquatics. The Perimeter Tile is in good condition and has an estimated remaining useful life of 11 years. For the purposes of this study, the estimated cost to replace the Perimeter Tile at the Wading Pool is **\$3,100.00**.
- 4.1.3.4 **Wading Pool Cover:** See 4.1.1.1 for detailed information regarding the Pool Covers at both the Wading Pool and the Main Pool. The existing Pool Cover at the Wading Pool was installed in 2017 by Atlantic. The Pool Cover is in excellent condition and has an

estimated remaining useful life of 17 years. For the purposes of this study, the estimated cost to replace the Pool Cover at the Wading Pool is **\$1,300.00**.

4.1.4 WADING POOL EQUIPMENT

- 4.1.4.1 **Main Pool Skimmers:** The existing skimmer at the Wading Pool is in fair condition and has an estimated remaining useful life of 9 years. For the purposes of this study, the estimated cost to replace the skimmer at the Wading Pool is **\$1,500.00**.
- 4.1.4.2 **Wading Pool Filters**: The Wading pool filter system consists of one, smaller (than main pool filters), cartridge style filter. Steve Bogdanoff indicated that this filter is smaller and much easier to maintain than the main pool filters. The estimated remaining useful life of the existing wading pool filter is 6 years. For the purposes of this study, the estimated cost to replace the filter at the Wading Pool is **\$2,500.00**.
- 4.1.4.3 **Wading Pool Pump:** The existing Wading pool pump is a residential grade, plastic pump and is in fair condition according to Mr. Bogdanoff. The estimated remaining useful life of the pump is 3 years. For the purposes of this study, the estimated cost to replace the pump at the Wading Pool is **\$1,500.00**.

4.1.5 POOL DECK

- 4.1.5.1 Pool Deck Repair: There are approximately 6,500 square feet of concrete pool decking surrounding the Main Pool and Wading Pool. The existing concrete pool deck is in fair condition but continued maintenance will be necessary until the deck is replaced due to isolated spalling and cracking that typically occur. The Association has, to date, allocated funding for isolated concrete repairs on the pool deck every five years with the next round of repairs anticipated to occur next year (2019). It is estimated that 7.5 percent of the pool deck will require repair at a unit cost of \$32.00 per square foot when repairs are performed. Assuming 7.5 percent repair yields a total anticipated construction cost of around \$15,500.00.
- 4.1.5.2 **Pool Deck Replacement:** The existing concrete pool deck is in fair condition and periodic maintenance is anticipated as detailed in 4.1.5.1. At some point it will be more advantageous to simply replace the entire pool deck, in lieu of continuing maintenance. The life expectancy of the pool deck is approximately 50 years; therefore, total replacement is anticipated in 2024. The anticipated unit cost for replacement (*in \$2018*) is \$14.50 per square foot yielding a total anticipated construction cost of around **\$94,000.00**. The figures referenced are based on conversations with various paving contractors.

4.1.6 POOL ACCESSORIES / FURNITURE

- 4.1.6.1 **Lifeguard Chairs:** The existing, portable lifeguard chairs (2 total) were purchased in 2006 and are in fair condition. The life expectancy of the chairs is approximately 20 years; therefore, replacement is anticipated in 2026. The replacement cost will vary depending upon the type of chair that is purchased. Commercial models incorporating rugged, stainless steel frames and matching the existing chair configuration and <u>currently selling</u> for around \$2,500.00. For the purposes of the study, the anticipated unit cost for replacement (*in* \$2018) is **\$2,500.00**.
- 4.1.6.2 **Large Canvas Awning:** The existing large canvas awning was purchased in 2005 and is in fair to marginal condition. The life expectancy of the awning is approximately 15 years; therefore, replacement is anticipated in 2020. The replacement cost will vary depending upon the type of awning/material that is purchased. For the purposes of the study, the anticipated unit cost for replacement (*in \$2018*) is **\$4,500.00**.
- 4.1.6.3 **Small Canvas Awning:** The existing small canvas awning was purchased in 2010 and is in good condition. The life expectancy of the awning is approximately 15 years; therefore, replacement is anticipated in 2025. The replacement cost will vary depending upon the type of awning/material that is purchased. For the purposes of the study, the anticipated unit cost for replacement (*in \$2018*) is **\$3,500.00**.
- 4.1.6.4 Pool Furniture: The existing pool furniture consists of a variety of chairs, tables, umbrella stands, umbrellas, chaise lounges, planters, basketball goal, etc. Based on records provided by the Glen, this furniture was not bought simultaneously; rather, periodic replacements of specific items have been performed over the years. Most recently (2017), a significant amount of furniture was replaced at a cost of approximately \$7,200.00. This furniture is relatively new and is in good condition. For the purposes of the study, the life expectancy of the pool furniture is listed as 8 years with an anticipated replacement cost of approximately \$10,000.00.
- 4.1.6.5 "Dri-Dek" Matting: New "Dri-Dek" interlocking, plastic matting was installed by Atlantic Pool Service, at both pool changing rooms, in 2015 and is in fair condition. We spoke with a representative of the manufacturer who indicated that the life expectancy of the matting is approximately 3 to 5 years depending upon a number of factors including: usage, maintenance, exposure, etc. Therefore, replacement is anticipated in 2023. For the purposes of the study, the anticipated unit cost for replacement (in \$2018) is \$1900.00.

4.2 COURTS

4.2.1 **Triple Tennis Court**

- 4.2.1.1 Triple Tennis Court General: The triple tennis court is located just to the North of Court 1. These courts were reconstructed and resurfaced in 2011 at a cost of \$97,366.00 by Bishop's Tennis, Inc. (BTI) At that time, the triple tennis courts were overlaid with a new, specialized, waterproof fiber turf ("Nova Pro-Bounce" by General Acrylics see previous study for detailed description of surfacing). Subsequently, in the Spring of 2016, BTI resurfaced the triple tennis court with an acyrlic/mesh/sand blend (Laykold "Nusurf") and two finish coats (Laykold ColorCoat). In conjunction with the 2016 work, BTI also installed the "Riteway Crack System" to address three structural cracks in the asphalt base.
- 4.2.1.2 Warranty: BTI provided a <u>5 year warranty</u> for the work performed in 2016; therefore, the existing surface is under warranty until 2021. BTI also provided a <u>3 year warranty</u> for the structural crack repair; therefore, the structural crack repairs are under warranty until the Summer of 2019.
- 4.2.1.3 Condition: The triple tennis court surface is in excellent condition.
- 4.2.1.4 Life Expectancy/Maintenance: The life expectancy of the coatings on the triple tennis court is approximately five years; therefore, recoating is anticipated in 2021. The life expectancy of the new fabric overlay at the triple tennis court should provide 20 years of service; therefore, replacement is anticipated in 2031.
- 4.2.1.5 Replacement/Recoating Costs: Recoating cost information was obtained directly from BTI. The estimated recoating cost (in \$2018) for the triple tennis court is \$20,000.00. Reconstruction costs are based on the original construction costs adjusted for inflation.

4.2.2 **Single Tennis Court**

- 4.2.2.1 Single Tennis Court General: The single tennis court, adjacent to the Swimming Pool, was overlaid with asphalt in 2011 (also by Bishop Tennis) and coated (conventional coating not turf) at a cost of \$41,655.00. Subsequently, in 2016, several structural cracks were repaired and recoated. Complete recoating was not performed at that time.
- 4.2.2.2 Warranty: BTI warrantied the crack repairs for a period of 6 months; therefore, these repairs are no longer under warranty.
- 4.2.2.3 Condition: The single tennis court is in fair condition but the coating is in marginal condition.
- 4.2.2.4 Life Expectancy/Maintenance: The life expectancy of the coating on the single tennis court is approximately five years; therefore, the existing coating is past its useful life.

- Resurfacing/recoating should be performed in 2019. The asphalt overlay should provide 15 years of service; therefore, replacement is anticipated in 2026.
- 4.2.2.5 Replacement/Recoating Costs: Recoating cost information was obtained directly from BTI. The estimated recoating cost for the single tennis court is **\$10,000.00**. This cost also includes an allocation for miscellaneous leveling and crack repair.

4.2.3 Basketball Court

- 4.2.3.1 General: The basketball court was reconstructed and recoated in 2012, by Pro-Pave Inc., at a cost of approximately \$17,000 and \$4,000 respectively. This work involved installation and compaction of a new, graded stone subbase in an effort to eliminate depressions in the playing surface. The work also involved additional excavation and stone fill/compaction in areas with poor subgrade conditions; most notably, a substantial depression near the West end of the court.
- 4.2.3.2 Condition: The basketball court has a history of foundation problems which have resulted in numerous repairs over the years. The repairs that were performed in 2012 were performed with the expressed purpose of eliminating future repairs and providing a safer playing surface. Unfortunately, the persistent depression at the West end of the court has reappeared. It is important to note that the basketball court is located directly over the old boiler plant (note that outline of the old boiler plant has been added to the plat for reference purposes) and the depression is located in close proximity to the point where the old steam pipes connected to the boiler plant. According to the "Fairlington Story", at the time of conversion, CBI Fairmac was to "...demolish and remove all existing boiler plants...remove all distribution (steam) lines to five feet outside of all living units...(and)...abandon remaining lines..." It is our suspicion that, when this demolition work was performed, some piping was left in place and the soil may not have been properly backfilled. Consequently, the subgrade is continuing to degrade beneath this depression.
- 4.2.3.3 Proposed Repairs: In an effort to eliminate the persistent depression at the West end of the basketball court, REI recommends performing a more comprehensive foundation repair. In general, the recommended repair would involve additional excavation and installation of multiple layers of a plastic reinforcing matrix ("<u>Stratabase</u>" by Geogrid or equivalent) in the area surrounding the depression.
- 4.2.3.4 Life Expectancy/Maintenance: The life expectancy of the basketball court was previously estimated at 20 years; however, the need to repair the depression in the court warrants repairs at an earlier date. For the purposes of the study, the life expectancy is estimated at 5 years. When structural repairs are performed, a new color coating should be applied with reapplication of the coating anticipated every 5 years.
- 4.2.3.5 Replacement Cost: The estimated cost to perform additional structural repairs to the basketball court is **\$25,000.00**. Please note that this number could vary significantly

depending upon the final scope of repairs. Also note that better pricing may be achieved by combining this work with future parking lot repairs. The cost to resurface the basketball court, in \$2018, is **\$5,000.00**.

4.2.4 **Pickleball Court**

- 4.2.4.1 Pickleball Court General: The Pickleball court (formerly Paddleball Court) is a single, smaller court located between/behind Courts 6 and 7 along King Street.
- 4.2.4.2 Condition: The pickleball court surface is in poor condition, exhibiting major structural cracks, and the coating is in marginal condition.
- 4.2.4.3 Life Expectancy/Maintenance: The court surface and its coatings have both surpassed their useful service lives. The life expectancy of surface reconstruction is estimated to be twenty years while coatings are estimated to have five years of useful service life. Replacement and recoating should be performed immediately and at the same time. For the purpose of this study, replacement and recoating should be performed in 2020.
- 4.2.4.4 Replacement/Recoating Costs: The estimated cost (in \$2018) for reconstruction/ structural repairs to the pickleball court is **\$12,000.00** based on historical construction costs adjusted for inflation. The estimated recoating cost (in \$2018) for the pickleball court is **\$10,000.00** based on pricing obtained from similar jobs..

4.3 TOT LOT / SWINGS

- 4.3.1 General: New playground equipment was installed by All Recreation of Virginia, Inc. In the Summer of 2014. This work included installation of new equipment manufactured by Playworld Systems ("Challenger Series"). Our assumption is that the system is under warranty but we have not received any documentation to that effect. When the new playground system was installed, All Recreation also removed the existing playground equipment and installed new, 2-tier, pressure treated 6 by 6 borders around both the Tot Lot and the Swing areas. In addition, approximately 4 inches of pea gravel was installed to meet relevant safety requirements. In June of 2018, the Association contracted with PSG General Contractors to install 2 additional inches of pea gravel to refill the bounded areas as required to comply with safety regulations.
- 4.3.2 Condition: All components are relatively new and are in excellent condition.
- 4.3.3 Life Expectancy/Maintenance: We spoke with a representative of Playworld Systems to discuss the life expectancy of the recently installed playground equipment. Playworld anticipates that their equipment can provide 30 to 40 years of service provided periodic maintenance is performed. They also indicated that they are still servicing equipment that was originally manufactured in the 1970's. For the purposes of the study, the life expectancy has been set at 35 years. Given that the pea gravel has already

been replenished and the certainty that periodic replenishment will be necessary, REI has separated the pea gravel as a separate depreciable asset and corresponding life expectancy at 4 years. Also, the life expectancy of the 6 x 6 pressure treated border will be significantly less than the equipment itself. For the purposes of this study, the life expectancy has been set at 15 years and the border will be treated as a separate depreciable asset.

4.3.4 Replacement Cost: The total cost for the playground installation in 2014 was \$56,650.00. The portion of this work that was related to installation of the new 6 x 6 borders was approximately \$7,000.00; therefore, the estimated cost to replace the 6 x 6 border, in \$2018, is **\$7,250.00**. The portion of 2014 playground cost that was related to installation of new pea gravel was approximately \$4,000 factoring in installation costs. The cost to replenish the pea gravel in 2018 was \$3,600.00. Consequently, for the purposes of this study, the estimated cost to replenish the pea gravel, in \$2018, is **\$3,800.00**. Subtracting the costs for the border and associated pea gravel from the original construction cost yields an estimated original installation cost of \$46,000. Factoring in inflation and for the purposes of this study, the estimated cost to replace the playground equipment, in \$2018 is **\$47,700.00**

5. BUILDING EXTERIORS

5.1 SLATE ROOFING SYSTEMS

5.1.1 **Slate Roofing and Flashings:**

- 5.1.1.1 Almost all buildings at the Glen are covered with Slate Roofing (*Buckingham, Vermont or Bangor slate*). Throughout the last several years numerous original Bangor slate roofs have been replaced with Vermont slate in accordance with our recommendations. A survey of all roofing systems was originally conducted in approximately 1995 (*by Seal Engineering, Inc.*) at which time the type and condition of all roofing systems was catalogued. Since that time, REI has overseen replacement of dozens of roofs and periodically updated the originally prepared roof schedule.
- 5.1.1.2 At the time of the previous reserve study (2013), there were still 13 buildings with the original Bangor slate on a portion of the roof. The last section of original Bangor slate roofs is currently being replaced by James R. Walls Contracting, Inc. ("Walls").
- 5.1.1.3 Condition: All of the roofs that have been replaced in the last 25 years are in good to excellent condition. The condition of the original Vermont slate roofs (75 years old) varies but is, generally, fair given their age. The Association should anticipate ongoing maintenance costs for these roofs (see next paragraph) up until the time they are replaced.
- 5.1.1.4 Life Expectancy/Maintenance: Now that all the original Bangor roofs have been replaced with Vermont slate, a roof replacement project will likely not be necessary for approximately 25 years (2043); however, periodic maintenance and repair will need to be performed. The original Vermont slate roofs are in good condition and should provide 100 years of service as anticipated; however, ongoing maintenance will be required. For the past three years. REI has specified and overseen maintenance and repair that has been performed on a number of roofs by Walls. These repairs consist, primarily, of refastening slate, replacing cracked slate, sealing exposed nailheads, installing new copper bibs, etc. The average cost of these repairs, per year, is \$30,000.00. REI anticipates that similar annual expenditures will be necessary up until the time that the replacement cycle begins for the original Vermont roofs. At this point, the Association has chosen to pay these maintenance costs out of the annual maintenance budget. Our understanding is that the Board would prefer to maintain this arrangement moving forward. The annual maintenance costs should be revisited when the next study is performed (2023) to determine if transitioning these costs to a reserve asset is warranted.
- 5.1.1.5 Replacement Cost: We reviewed the cost of all roof replacement projects at the Glen since 2004 (see "Roofs" tab at Asset Schedule). Unit replacement costs were adjusted

for inflation in an effort to determine the average replacement unit cost. Based on these calculations, the average historical replacement cost, in \$2018, is **\$26.82 a square foot** (approximately 12% higher than previous reserve estimate - \$23.64 a square foot). Using this unit cost, the total estimate replacement cost of all roofs is approximately **7** million dollars.

5.1.2 **Gutters and Downspouts**

- 5.1.2.1 General: All roofs are drained via aluminum gutters and downspouts. In general, the gutters and downspouts have been replaced in conjunction with roof replacement work throughout the last several years.
- 5.1.2.2 Previous Repairs: A comprehensive gutter repair and replacement project was undertaken in 2010 following the massive snowstorms that occurred in February of that year. The resulting snow and ice buildup tore off or damaged the existing hanging gutters at dozens of locations throughout the Glen. At that time, we conducted a comprehensive survey of all gutters and prepared construction documents for repair, reinforcement/refastening and/or replacement of gutters. In general, these repairs were designed to reinforce the outside edge of the gutters and to provide heavy duty strapping (above and beyond industry standards) to ensure that the gutters did not fail if a similar event occurs in the future.
- 5.1.2.3 Condition: Given the recent repair work, the gutters are generally in good condition.
- 5.1.2.4 Life Expectancy/Maintenance: The gutters should provide an additional 45+ years of service provided routine maintenance and repair are performed. We will continue to specify replacement of the gutters and downspouts in conjunction with replacement of roofing unless the gutters at these locations were recently replaced. Also note that we will continue to specify the installation of larger gutters to facilitate drainage as has been our practice throughout the last several years.
- 5.1.2.5 Reserve Funding: We do not recommend allocating any reserve funding for replacement of gutters and downspouts because this work is generally incorporated into the roof replacement funding or is addressed via annual maintenance. The Board should continue to allocate yearly maintenance funding for repairs to the gutters and downspouts.

5.2 DORMERS

5.2.1 **Gable Dormers**

5.2.1.1 General: There are 172 gable dormers throughout the complex. All gable dormers are catalogued in the "Dormers" tab on the Asset Schedule. All dormers have been individually designated with a number consisting of the Court number plus a sequential number following a hyphen. In all previous studies, the gable dormers have not been

considered a separate common element. From this point forward, the gable dormers shall be considered separate, depreciable elements with the exception of each dormer's slate roof and associated flashings (part of "Roofs") and the dormer window (non-common element — Owner's responsibility). Please note that similar provisions have NOT been provided to separate the numerous Hip Dormers as these dormers are more integrated into the facade. Similarly, there is NOT a similar provision for the various, large Shed Dormers. The Shed Dormers are covered almost entirely in slate; therefore, they are considered as part of the roofing system. Finally, there is NOT a similar provision for the gable dormers at the gambrel-roofs as these structures are also covered in slate.

- 5.2.1.2 Construction: The gable dormers are conventional, wood-framed dormers with the face of the dormer located typically, approximately 2 to 3 feet upslope of the eave. The dormers are all fabricated with the same height. The length/depth of the dormer is contingent on the slope of the roof through which it penetrates. The dormers are clad, on the sides, with tongue-in-groove, 1 x 6 (nominal), wood siding that is secured to the sheathing. The face of the dormers is detailed with decorative wood trim elements including complicated cornice moldings that replicate the detailing along the eaves of the buildings.
- 5.2.1.3 Condition: The gable dormers, presumably, date to the original construction. As such, they are in varied condition depending upon frequency of maintenance, exposure to elements (i.e. exposed to wind driven rain, south vs. north facing, etc.). The conditions also vary depending upon the condition of the window. In many instances the windows have been covered with storm windows; or, in other cases, the original windows have been replaced with new vinyl window with integral screens. Throughout the years of overseeing numerous roof replacement projects at the Glen, REI has observed significant deterioration of the trim beneath the windows and at the sides of the windows. In many of these cases, repairs were difficult given that the windows could not be removed and reinstalled/replaced as part of this work.
- 5.2.1.4 Life Expectancy/Maintenance: The life expectancy of the existing gable dormers and associated trim is difficult to estimate. Presuming that aggressive maintenance/painting is maintained, the porticos should provide 25 years of additional service. At some point, when ongoing maintenance costs are prohibitive, it would be wise to implement a phased replacement plan wherein, individual groups of dormers (perhaps on a court-by-court basis) are renovated entirely. This renovation would entail removal of the existing trim elements in their entirety and installation of new cellular PVC trim/siding (AZEK or equivalent). These materials would not require constant repainting/maintenance and would be rot resistant. In conjunction with this work, the windows should be removed and reinstalled so that the trim on the face of the dormers can be properly installed and flashed.

5.2.1.5 Replacement Cost: We contacted Kolas Contracting, Inc. and requested estimated pricing to renovate/refurbish the dormers as detailed above. Kolas is very familiar with the work involved given that they have been performing this work at Fairlington Arbor for the last few years. The estimated unit cost to renovate/refurbish the gable dormers is \$1,450.00

5.3 CHIMNEYS

5.3.1 **Masonry Chimneys**

- 5.3.1.1 General: There are 154 ornamental brick masonry chimneys throughout the complex. All chimneys are catalogued in the "Chimneys" tab on the Asset Schedule. All chimneys have been individually designated with a number consisting of the Court number plus a sequential number following a hyphen.
- 5.3.1.2 Construction: The chimneys are "ornamental" in the sense that there are no fireplaces. However, each chimney incorporates a series of terra cotta flues that exit through the sides of the chimney, approximately 2 feet above the roof line. The purpose of these flues is not totally clear but, presumably, they were used to vent some mechanical equipment/systems that are no longer in use (see "Chimney Covers" below).
- 5.3.1.3 Condition: According to the "Fairlington Story", all chimneys were repointed or "tuckpointed" at the time of conversion; consequently, the tuckpointing repairs are approximately 45 years old. In general, industry standards prescribe repointing every 50 years. However, in many instances, repointing will not be necessary for a longer period of time, depending upon the type of mortar and the quality of the original installation. Based on the conditions observed, we do not recommend comprehensive repointing of the chimneys within the next 10 years. However, there are some chimneys that will require repairs within the next 10 years. Please note that the scope of this study did not include detailed analysis/inspection of the chimneys. Although chimneys were viewed from the ground, it is difficult to assess the condition of the mortar from ground level.
- 5.3.1.4 Life Expectancy/Maintenance: For the purposes of this study, the life expectancy of the conversion era repointing is assumed to be 60 years.
- 5.3.1.5 Replacement/Repair Cost: To calculate the estimated repair costs for repointing, the approximate square footage of brick at each chimney was calculated based upon the size of the chimney, the pitch of the roof, the height above the roof, etc. Then, we assumed a unit cost of \$40.00 per square foot for repointing. Please note that this figure is contingent on a number of factors. Most importantly, accessing the chimneys to perform the necessary repairs is the most difficult and expensive portion of the cost. The assumed unit cost is likely to be significantly greater if only one chimney is being repairs at a time. Conversely, if numerous chimneys were repaired simultaneously, the unit costs would likely be lower. Using the \$40.00/sf estimated unit cost, the estimated replacement/repair cost to repoint all chimneys is around \$155,000.00

5.3.2 Copper Chimney Caps

- 5.3.2.1 General: Copper chimney caps were installed by Walls Contracting, at all 154 chimneys, in the late 1990's to early 2000's (exact years for individual caps not known). The chimney caps were fabricated from 20 ounce copper sheet and all joints were soldered. The copper chimney caps were not accounted for on the most recent reserve study or any previous reserve study. From this point forward, the chimney caps will be treated as an independent, depreciable element. As noted above, a new, "Chimneys" tab has been added to the Asset Schedule Spreadsheet. All chimneys are now identified individually in the table and labeled on the plat. Each chimney cap is listed as a separate entity with corresponding life expectancy.
- 5.3.2.2 Condition: The copper chimney caps were well fabricated and are still in good condition.
- 5.3.2.3 Life Expectancy/Maintenance: The copper chimney caps should provide an additional 30 years of service.
- 5.3.2.4 Replacement Cost: The estimated replacement cost, per chimney cap, in 2018 dollars is based on the size of the chimney as shown on the "Chimneys" tab in the Asset Schedule. Using the estimated unit cost(s), the estimated replacement/repair cost to replace all chimney caps is around \$238,000.00

5.3.3 **Chimney Screens**

- 5.3.3.1 General: As noted earlier, all of the chimneys include a series of terra cotta flues that penetrate through the sides of the chimneys, typically 2 feet above the roof ridge. It is not clear exactly what was originally vented via these flues, but our understanding is that the flues are abandoned. Since the previous study (2013), Fairlington Glen has contracted with NV Roofing to install new, prefinished aluminum screens, over these abandoned flue locations, at numerous locations. The first screen installation occurred in 2015 and included approximately 25 chimneys. The second screen installation occurred in late 2016 / early 2017 and included approximately 60 chimneys. As noted above, a new, "Chimneys" tab has been added to the Asset Schedule Spreadsheet. All chimney screens are now identified individually in the table and all recent screen installation are shown in the table.
- 5.3.3.2 Condition: The condition varies depending upon the type of screening/cover and the date of installation; however, so many of the screens are recently installed and in good condition.
- 5.3.3.3 Life Expectancy/Maintenance: The approximate life expectancy of the new, prefinished metal covers is 25 years. The covers could last longer than this period but it is very likely

- that the finish will deteriorate and the screens may become unsightly as they approach the end of their useful life.
- 5.3.3.4 Replacement Cost: NV Roofing's cost to install the 25 new chimney screens in 2015 was approximately \$4,100.00 or \$164.00 per chimney. NV Roofing's cost to install the 60 new chimney screens in 2016/17 was \$8,560.00 or around \$143.00 per chimney. For the purposes of this study, the estimated unit replacement cost is around \$165.00 per chimney for a total estimated replacement cost (all 154 chimneys) of \$25,000.00.

5.4 FACADES

5.4.1 **Brick/Stone Veneer**

- 5.4.1.1 General: The facades of all buildings at the Glen are comprised primarily of brick masonry veneer or brick bearing walls. There are also a number of buildings with stone veneer.
- 5.4.1.2 Condition: It is important to note that the frequency and quantity of necessary masonry repairs varies significantly depending upon the quality of the brick, the mortar and the craftsmanship. As a general rule, masonry veneer will require comprehensive repointing within 50 years of installation. As noted earlier (see "Chimneys"), the Fairlington Story indicates that a significant amount of repointing work was performed at the time of conversion (approximately 45 years ago). During the previous study (2013), REI recommended that a comprehensive masonry survey be performed, prior to the first round of extensive repairs, to identify and prioritize the masonry repairs that will be required in the next 25 years. Subsequently, Bill Worsley spearheaded an effort to perform, in-house, a comprehensive survey of the stoops and facades. This effort provided good diagnostic information regarding the status of the brick masonry and this information was used to prioritize repairs to the masonry stoops. In conjunction with these repairs, numerous repairs to the brick facade have been performed based on the recommendations from the comprehensive survey.
- 5.4.1.3 Life Expectancy/Maintenance: For the purposes of the study, the recommended interval between masonry repair projects is 5 years. Given that several repairs have been performed in conjunction with previous and ongoing masonry stoop repairs, we recommend incorporating the next round of masonry repairs in approximately 4 years. For the purposes of this Study, these repairs are included in Calendar Year 2022.
- 5.4.1.4 Repair Cost: Based on the most recent repairs performed at the Glen and the overall condition of the brick, we have estimated the cost to perform repointing and miscellaneous facade repairs at the Glen to be around \$150,000.00 per cycle.

5.4.2 **Shutters**

- 5.4.2.1 General: Inoperable vinyl shutters are installed throughout the property, generally on the front elevation.
- 5.4.2.2 Condition: The shutters were installed in 2005 and are in fair condition.
- 5.4.2.3 Life Expectancy/Maintenance: Life expectancy is estimated at 25 years although, periodically, some shutters will need to be replaced.
- 5.4.2.4 Replacement Cost: The anticipated replacement cost for the shutters (*in \$2018*) is approximately \$75,000.

5.4.3 **B-Unit Doors**

- 5.4.3.1 General: The installation date of the existing front entry doors at the Apartment Style Units ("B-Units") is not known; however, based on appearance, the doors have been in place for some time.
- 5.4.3.2 Condition: Despite their age, the doors are in fair condition.
- 5.4.3.3 Life Expectancy/Maintenance: The doors should provide five additional years of service.
- 5.4.3.4 Replacement Cost: The anticipated unit replacement cost for the front doors is \$1,500 per door assuming standard sized doors with standard hardware are installed.
 - 5.4.3.4.1 When the doors are replaced the Board may wish to incorporate new electronic lock technology which would improve security and enable each resident to have an independent access code for the common access door.

5.4.4 **B-Unit Windows**

- 5.4.4.1 General: According to the "Fairlington Story", all of the original windows were replaced at conversion. Presumably, wood, double hung windows were installed at that time given that there are still many wood windows remaining, including the common area, B-unit windows. Based on the information provided by the Glen, only one of these windows has been replaced since the previous study (*in 2015 by Sunshing Contracting*). As is the case with the numerous non-common element window replacements, when windows are replaced, the original wood sashes area removed and new vinyl framed, replacement windows within the frame of the original wood windows. Then, new trim is installed to cover the transition between the new frames and the masonry openings.
- 5.4.4.2 Condition: As noted in the previous study (2013) most of the existing windows are original (conversion-era), in poor condition and should be replaced.
- 5.4.4.3 Life Expectancy/Maintenance: The windows have little remaining life expectancy and should be replaced as soon as funds are available. For the purposes of this Study, the life expectancy is set at 2 years.

5.4.4.4 Replacement Cost: The previously anticipated (per 2013 study) unit replacement cost for the windows was \$500 per window but that cost assumed that all windows were replaced concurrently with a standard, vinyl framed replacement window. The window that was replaced in 2015 was replaced at a cost of \$695.00. For the purposes of this study; and, based on more recent cost information; and, assuming comprehensive replacement, the estimated unit replacement cost is \$625.00 per window. There are 23 B-Unit Buildings with two windows in each common space. Consequently, the total estimated replacement cost is \$29,000.00.

5.5 ENTRANCES

5.5.1 **Brick Masonry Stoops**

- 5.5.1.1 General/History: All building front entrances at the Glen are accessed via brick masonry stoops (181 total) that are covered with small roofs. The stoops are typically fabricated with brick placed over a concrete, concrete block and/or clay tile structural foundation. The "Fairlington Story" does not provide a detailed description of any remediation that was performed at the stoops; however, it is assumed that some reconstruction/repointing was performed given the extent of the renovations. In 2005, REI conducted a comprehensive survey of all brick masonry stoops and, subsequently, recommended reconstruction of 56 separate stoops (over 5 phases) throughout the property. In 2006, the Glen embarked on the first phase of stoop reconstruction (13 total) which was performed by C.A. Lindman. Subsequent to the 2006 project, the Glen elected not to proceed with the remaining four phases due to changing reserve priorities. In the Spring of 2016, Glen representatives performed a comprehensive inspection of the masonry stoops and developed a revised prioritization schedule of stoop repairs. This revised schedule was used to develop drawings and specifications for a new phase of stoop repairs in 2016. Subsequently, the work specified in this phase was completed over a period of almost two years (Jan 2017 - December 2018) by C.A. Lindman. This project was delayed for several months due to permitting issues with Arlington County and poor management by the Contractor. The second phase of stoop repairs was bid to several contractors in the Fall of 2018 and is slated to be completed in 2019 by KGS Contracting, Inc. In the midst of the most recent stoop project, Fairlington again revised the stoop condition survey to reflect work performed and the next phase of construction. This revised survey was provided to REI for our review and use (see next paragraph).
- 5.5.1.2 Changes to Asset Schedule: The revised masonry stoop survey was provided to REI in spreadsheet format. This revised schedule was implemented into the Asset Schedule under the new tab "Stoops". Previously, the masonry stoops were included under the "Masonry" tab. The stoop information previously referenced in the "Masonry" tab has not been deleted but is shown in grayscale to note that it is no longer relevant. The

- information regarding the general brick facade is still referenced at the "Masonry" tab. The new "Stoops" tab shows each individual stoop with corresponding condition, life expectancy and replacement/repair projections.
- 5.5.1.3 Condition: The brick masonry stoops are in varied condition as delineated on the referenced table. While most of the stoops that were in severe need of repair have been replaced or will be replaced/reconstructed in the pending phase of work, there will still be a need to reconstruct some additional stoops; and, perform periodic repairs/repointing to meet life expectancy projections.
- 5.5.1.4 Life Expectancy/Maintenance: As noted on the new "Stoops" tab, the "Anticipated Life Expectancy of a New Stoop". This number is modified in the table based on maintenance that has been previously performed or that is pending.
- 5.5.1.5 Replacement Cost: During the 2006 project, certain hidden structural conditions were identified during the course of the reconstruction work that resulted in additional work for the contractor. C.A. Lindman indicated, at the time, that the pricing should have been higher. Consequently, for the purposes of the previous Reserve Study, we have increased unit pricing for stoop replacement and included a base mobilization figure per stoop. Subsequently, based on pricing information from the more recent Lindman project, we have calculated the historical unit cost to replace the stoops as \$185.00 per square foot. Based on this unit cost, the total estimated replacement cost of all stoops is approximately 1.46 million dollars.

5.5.2 **Front Porticos**

- 5.5.2.1 General: All entry stoops are covered with decorative porticos that extend approximately 4 to 5 feet away from the building depending upon the number of units per entrance. Based on old photographs and information in the "Fairlington Story", the porticos are original (1943). The porticos are wood framed structures that are anchored to the facade and, in most cases, supported by two decorative columns that are supported at the corners of the stoops. The decorative columns may have been added at the time of conversion. The columns at B-Unit entrances are typically brick masonry. The roofs of the porticos are configured in gable, hip and shed roof configurations and are all covered with slate roofing (note that the roofing of the porticos is considered part of the adjacent main roof section and is not considered a separate roofing element). The framing of the porticos is covered in decorative and semi-ornate wood trim (fascia, soffit, frieze, cornice molding, etc.), in a manner similar to the trim at the eave of the main roof.
- 5.5.2.2 Recent Repairs: Isolated repairs to the decorative trim have been performed at the porticos, by Kolas Contracting, Inc. (Kolas) over the last few years including:
 - 5.5.2.2.1 October 13, 2015 (Court 6): Repaired deteriorated fascia and dentil molding for a total cost of \$550.00.

- 5.5.2.2.2 December 9, 2015 (Court 10): Repaired deteriorated fascia and soffit for a total cost of \$500.00.
- 5.5.2.3 Condition: The condition of the exterior trim varies considerably. The trim at the porticos is repaired and painted every four years. This constant maintenance has extended the life of the porticos. As a rule, the porticos are in fair condition. The original trim does exhibit isolated deterioration throughout the complex.
- 5.5.2.4 Life Expectancy/Maintenance: The life expectancy of the existing porticos and associated trim is difficult to estimate. Presuming that aggressive maintenance/painting is maintained, the porticos should provide 25 years of additional service. At some point, when ongoing maintenance costs are prohibitive, it would be wise to implement a phased replacement plan wherein, individual groups of porticos (perhaps on a court-by-court basis) are renovated entirely. This renovation would entail removal of the existing trim and decorative columns in their entirety and installation of new cellular PVC trim (AZEK or equivalent) and new synthetic, decorative columns. These materials would not require constant repainting/maintenance and would be rot resistant.
- 5.5.2.5 Replacement Cost: To determine the estimated replacement cost of the porticos, we contacted Steven Kolas (president of Kolas) to discuss potential costs. Kolas provided estimated pricing to refurbish the porticos including: removal of existing wood trim, gutters and downspouts; installation of new PVC trim and decorative columns, installation of new gutters and downspouts; and, removal and reinstallation of existing light fixtures. Kolas provided pricing for four different styles of porticos:
 - 5.5.2.5.1 Style **A**: This is the cantilevered style portico located at single entrances, typically on the side of end units. The estimated unit cost to renovate a Style A portico is **\$4,500.00**.
 - 5.5.2.5.2 Style **B**: This is the standard, shed roof, double entrance portico with turned, 4 x 4 wood columns at the corners. The estimated unit cost to renovate a Style B portico is **\$5,225.00**.
 - 5.5.2.5.3 Style **C**: This is the standard, single entrance canopy at apartment style buildings with brick masonry piers instead of columns. The estimated unit cost to renovate a Style C Portico is **\$5,400.00**.
 - 5.5.2.5.4 Style **D**: This is the standard, gable/hip entrance canopy at double entrances with larger, tapered columns at the corners. The estimated unit cost to renovate a Style D Portico is **\$6,200.00**.

There are a total of 108 entrance porticos at the property and the total estimated refurbishment/replacement cost is \$975,100.00.

5.5.3 **Rear Canopies**

- 5.5.3.1 All rear entrances are covered with small canopies that extend approximately 3 feet away from the building. Based on old photographs and information in the "Fairlington Story", the rear canopies are original (1943). The canopies are wood framed structures that are anchored to the facade. The roofs of the canopies are configured in a shed roof configuration and are all covered with slate roofing (note that the roofing of the canopies is considered part of the adjacent main roof section and is not considered a separate roofing element). The framing of the porticos is considerably less ornate than the front porticos and is typically covered in simple wood trim (fascia, soffit, rake molding, etc.).
- 5.5.3.2 Recent Repairs: Isolated repairs to the decorative trim have been performed at the porticos, by Kolas Contracting, Inc. (Kolas) over the last few years including:
 - 5.5.3.2.1 February 11, 2016 (4132 S 36th St Court 6): Removed and rebuilt canopy in its entirety for a total cost of \$1,650.00.
 - 5.5.3.2.2 May 5, 2016 (4130 S 36th St Court 6): Removed and rebuilt canopy in its entirety for a total cost of \$1,650.00.
 - 5.5.3.2.3 September 12, 2016 (3547B S Stafford Court 2): Removed and rebuilt canopy in its entirety for a total cost of \$1,200.00.
- 5.5.3.3 Condition: The condition of the exterior trim varies considerably. The trim at the canopies is repaired and painted every four years. This constant maintenance has extended the life of the canopies. As a rule, the canopies are in fair condition. The original trim does exhibit isolated deterioration throughout the complex and at least 3 canopies have recently been rebuilt as detailed above.
- 5.5.3.4 Life Expectancy/Maintenance: Based on conversations with contractors who have performed work on the canopies at the Glen and similar properties, the anticipated life expectancy of the canopy structure is 85 years. Consequently, based on this number, community wide replacement would be anticipated in 2028. For the purposes of this study, the life expectancy is grouped by Court and varied between 80 and 90 years to provide for a annual replacement work, by Court, starting in 2023.
- 5.5.3.5 Replacement Cost: To determine the estimated replacement cost of the canopies, we reviewed previous replacement costs and contacted Steven Kolas (president of Kolas) to discuss potential costs. Based on these conversations, the estimated unit cost to reframe and reconstruct a rear entrance canopy is **\$1,200.00**. Please note that this unit cost is based on performing several canopies under the same project. If canopies were replaced on an individual basis, unit pricing would be around \$1,700.00. There are 306 rear entrance canopies at the property. Consequently, the total estimated replacement cost is **\$367,200.00**.

5.6 BATH HOUSE / MAINTENANCE BUILDING EXTERIOR

- 5.6.1 General: In 2009, extensive renovations were performed at the Bath House + Maintenance Building/Office. Originally, the Bath House (restrooms for pool use) and the maintenance office were two separate structures that were separated by a decorative pergola. The design for the renovations (prepared by Q-Design, PLC, included demolition of the pergola and installation of a new structure connecting the two separate structures. The new space incorporates a large, maintenance storage and workroom, maintenance office, pool equipment rooms, storage closets, restrooms, lifeguard staging area, equipment storage, etc. The new structure was designed with similar architectural features as the existing structure; most notably, slate roofing and split-faced, Concrete Masonry Unit (CMU) walls.
- 5.6.2 Condition: The structure/facade/roof of the building are still in good condition.
- 5.6.3 Life Expectancy/Maintenance: It is anticipated that periodic maintenance will need to be performed to the exteriors of the Bath House / Maintenance Building including but not limited to: door/window replacement, power washing, slate repairs, trim replacement, etc. For the purposes of this study, we have not attempted to capture these costs as part of reserve funding; rather, these costs should be paid out, on an as needed basis, from allocated maintenance funding. The life expectancy of the structure itself is difficult to estimate, but for the purposes of this study, is set at 50 years, at which time significant renovations are forecast.
- 5.6.4 Replacement Cost: The Glen spent approximately \$540,000 for the renovation project (*both interior and exterior work*) in 2009 which included significant expenditures for design and engineering costs. Future renovations are not expected to be as extensive as the 2009 work; therefore, the estimated replacement/renovation cost is **\$250,000.00**.

6. BUILDING INTERIORS & SERVICES

6.1 INTERIORS

6.1.1 **B-Unit Finishes**

- 6.1.1.1 General: The existing finishes (*carpeting, paint, etc.*) in the common lobbies of the B-Units were installed in 2006 at a cost of \$50,220.00 or approximately \$2,200 per building.
- 6.1.1.2 Condition: The condition of the carpeting and paint is fair considering the age of the materials.
- 6.1.1.3 Life Expectancy/Maintenance: The life expectancy for the interior finishes was previous estimated at 10 to 12 years (2013); therefore, replacement was originally anticipated in 2018. Replacement has not yet been performed; therefore, replacement is now anticipated in 2 to 3 years.
- 6.1.1.4 Replacement Cost: The anticipated replacement cost (in \$2018) is based on the original replacement cost adjusted for inflation since 2006 or **\$57,500.00**.

6.1.2 **B-Unit Mailboxes**

- 6.1.2.1 General: The B-Unit mailboxes were replaced in 2011, at a cost of around \$10,000.00, and are in excellent condition.
- 6.1.2.2 Condition: Excellent.
- 6.1.2.3 Life Expectancy/Maintenance: The life expectancy of the mailboxes is approximately 35 years.
- 6.1.2.4 Replacement Cost: The anticipated replacement cost (in \$2018) is based on the original replacement cost adjusted for inflation since 2011 or **\$11.500.00**.

6.1.3 Management & Maintenance Offices (Interiors)

- 6.1.3.1 General: See Paragraph 5.6.1 for additional information regarding the exterior of the Maintenance Building. As previously noted, the Maintenance Office, including the maintenance building, pump/equipment room, storage areas, restrooms, etc., immediately adjacent to the pool, underwent an extensive renovation in 2009 at a total cost of around \$450,000.00.
- 6.1.3.2 Condition: The interior of the building is still in good condition. In addition, when the renovation of the building was performed in 2009, numerous updates were performed including installation of new fixtures, new showers, new toilets, benches, etc; and, the facilities were updated to comply with ADA requirements. The interior of the changing

- rooms is industrial with exposed, painted concrete masonry walls and wood framed roof and stainless steel bathroom stall dividers.
- 6.1.3.3 Life Expectancy/Maintenance: This facility will require significant maintenance through the years due to its function; however, complete refurbishment (in a manner similar to the 2009 project) is not anticipated for many years. For the purposes of this study, the life expectancy is listed at 50 years.
- 6.1.3.4 Replacement Cost: The anticipated replacement/renovation cost (in \$2018) is estimated at **\$80,000.00**.

6.2 TOOLS/EQUIPMENT

6.2.1 **B-unit Carpet Cleaner**

- 6.2.1.1 General: The Association purchased a self contained, commercial style carpet cleaning unit, manufactured by Tennant® in 2011 at a cost of \$2,333.00.
- 6.2.1.2 Condition: According to Nelson and Maria (on site maintenance staff), the carpet cleaner is still operating well
- 6.2.1.3 Life Expectancy/Maintenance: Previously (2013 Study) we had projected the life expectancy of this unit at 8 years; therefore, replacement was previously projected to occur in 2019. Based on the current operating condition of the carpet cleaner, the life expectancy has been revised to 12 years.
- 6.2.1.4 Replacement Cost: Tennant makes a wide variety of carpet cleaning machines with significant variation in pricing. For the purposes of this study, the replacement cost is estimated at \$2,500.00.

6.2.2 Tractor & Accessories

- 6.2.2.1 General: The Association purchased a small lawn tractor in 2003 at a cost of \$2,600.00. Since that time, several tractor accessories have been purchased to supplement the capabilities of the tractor. Our understanding is that the tractor is used frequently by the on site maintenance personnel to perform a variety of tasks.
- 6.2.2.2 Condition: Despite the fact that the tractor is now fifteen years old, Nelson and Maria indicated that it is still operating well. Nelson indicated that he services the tractor every 50 operating hours.
- 6.2.2.3 Life Expectancy/Maintenance: The tractor had previously been projected to be replaced in 2015. For the purposes of the study, the useful life is listed as three years with replacement anticipated in 2021.
- 6.2.2.4 Replacement Cost: When the tractor is replaced, the new tractor will likely need some new accessories for compatibility; consequently, the estimated replacement cost is \$5,000.00.

6.2.3 **Snow Blower**

- 6.2.3.1 General: The Association purchased a snow blower (<u>Toro Powermax 1028</u>) in 2010 at a cost of \$1,840.00.
- 6.2.3.2 Condition: Nelson and Maria indicated that the snow blower is still operating well and is in good condition.
- 6.2.3.3 Life Expectancy/Maintenance: The life expectancy of the snow blower is estimated at 13 years with replacement occurring in 2023.
- 6.2.3.4 Replacement Cost: The estimated replacement cost is **\$1,700.00** based on current pricing for this same model at Home Depot.

6.2.4 **Pipe Inspection Camera and Locator**

- 6.2.4.1 General: The Association purchased a new recording, pipe inspection camera (Fiberscope Viper ADV) in 2015 at an approximate cost of \$2,500.00. This camera is used periodically to perform inspections of sewer lines to determine if deficiencies are present. The association purchased an above ground locator (Tracker II by UEMSI) in or around 2006 when the sanitary sewer survey was performed. Nelson indicated that he has not used this equipment in some time but it appears to be operating correctly.
- 6.2.4.2 Condition: The camera is still in operating condition; however, Nelson indicated that the camera needs maintenance and some of the wiring connections are loose.
- 6.2.4.3 Life Expectancy/Maintenance: 20 years (2035)
- 6.2.4.4 Replacement Cost: The estimated replacement cost of the camera and locator is **\$4,000.00**.

6.2.5 **Pool/Maintenance Building HVAC**

- 6.2.5.1 General: The Heating, Ventilating and Air Conditioning System (HVAC) at the Swimming Pool / Maintenance Building was not included in the previous reserve study. A new system was installed by Dwyer Plumbing in the Fall of 2016. This system is a depreciable asset and reserves should be allocated for replacement. The installed system was manufactured by Lennox and marketed under the trade name "Magic-Pak". The system is still under the manufacturer's five year warranty.
- 6.2.5.2 Condition: We do not have the expertise to assess the condition of the HVAC system but, presumably, the system is still in good operating condition given its age.
- 6.2.5.3 Life Expectancy/Maintenance: Periodic, annual maintenance should be performed as would be performed on any HVAC system. Costs for maintenance should be allocated from existing annual maintenance funding. The life expectancy of a properly maintained, residential-style HVAC system is approximately 12 to 15 years. In many instances, the furnace portion of the unit will outlast the air conditioning components and may provide

- 20+years of service. For the purposes of this study the life expectancy of the HVAC system is set at 15 years; therefore, replacement is anticipated in 2031.
- 6.2.5.4 Replacement Cost: The cost to install the system in 2016 was \$5,190.00. Consequently, the estimated cost to replace the existing system (*in* \$2018) is **\$5,500.00**.

6.2.6 Additional/Miscellaneous Equipment

6.2.6.1 General: In addition to the equipment listed individually in this section, there is a variety of equipment, tools, etc. that are used by Nelson and Maria. This equipment includes but is not limited to: personal computer, sewer and drain cleaner/snake, refrigerator, leaf blowers (2), ladders, etc. For the purposes of this study, this equipment has NOT been included as a reserve asset; however, the Association may wish to incorporate additional equipment in future studies. The estimated value of the miscellaneous equipment is \$7,000.00.

6.3 SERVICES

6.3.1 Replacement Reserve Study

6.3.1.1 General: Per the request of the Board, costs to perform the reserve study are also included given that a study must be performed every five years and that the costs to perform/update the study are significant.

Appendix A

Fairlington Glen Condominium 2018 Replacement Reserve Study

SUMMARY TABLE

Full Funding Analysis of Replacement Reserves

Appendix A1.1	Supporting Estimate for Parking Lot Full Funding Amount
Appendix A1.2	Supporting Estimate for Parking Lot - Maint./Repl. Schedule
Appendix A2	Supporting Estimate for Sidewalk Full Funding Amount
Appendix A3	Supporting Estimate for Curb and Gutter Full Funding Amount
Appendix A4	Supporting Estimate for Sanitary Sewer Full Funding Amount
Appendix A5	Supporting Estimate for Storm Drainage Full Funding Amount
Appendix A6	Supporting Estimate for Water Line Replacement
Appendix A7	Supporting Estimate for Fencing Full Funding Amount
Appendix A8	Supporting Estimate for Exterior Lighting Full Funding Amount
Appendix A9	Supporting Estimate for Swimming Pool Full Funding Amount
Appendix A10	Supporting Estimate for Roofing Full Funding Amount
Appendix A10.a	Historical Costs for Roofing Replacement
Appendix A11	Supporting Estimate for Dormers Full Funding Amount
Appendix A12	Supporting Estimate for Chimneys Full Funding Amount
Appendix A13	Supporting Estimate for Masonry Maintenance/Repointing
Appendix A14	Supporting Estimate for Masonry Stoops Full Funding Amount
Appendix A15	Supporting Estimate for Portico Refurbishment
Appendix A16	Supporting Estimate for Rear Canopy Replacement

Appendix A - Full-Funding Analysis of Replacement Reserves Summary Table

Sullillary	14510										Estimate	s for the Current Year	(2018)	
Section		Year Last Replaced if Known	Historical Cost If Available	Cos Estimated i	st n Estima	Cost ated in	Replacement Cost Estimated in 2012 Update	Useful Life		_	Percent Depreciated	Estimated Replacement Cost (2018)	Fully Funded Balance	Annual Depreciation Cost
1.0	Hardscape													
1.1	Asphalt Pavement											,		
1.1.1	Replace asphalt in parking lots						\$ 1,165,135	0	30	13	58%	\$980,000	\$568,000	\$32,655
1.1.2	Maintain asphalt in parking lots annually						\$ 18,081	1	1	1	0%	\$6,305	\$6,305	\$6,305
1.2	Concrete			A 055 000			4 040.050	•			00/	40	40	40
1.2.1	Sidewalk Replacement (Removed from Study)	1.)		\$ 255,930			\$ 316,950	0	-	0	0%	\$0	\$0	\$0
1.2.2	Curb and Gutter Replacement (see "Curb/Gutter" t	ab)		\$ -	\$		\$ 202,676	0	30	13	58%	\$214,000	\$121,000	\$7,116
1.2.3	Concrete Alleys			\$ -	\$	-	\$ -	10	50	10	80%	\$66,000	\$52,800	\$1,320
2.0 2.1	Utilities Sanitary Sewers (see "Sewers" Tab)													
2.1.1	Relining - Terra Cotta (outside building footprint)			\$ -	n/a	a	\$ 1,117,976	36	50	36	29%	\$884,949	\$255,537	\$20,396
2.1.1	Relining/Replacement - Cast Iron (inside footprint)	\		φ - \$ _	n/s		n/a	19	85	19	57%	\$304,720	\$233,337 \$173,017	\$0,530
2.1.2	Sewer cleanouts	1		n/a	n/s		\$ 187,961	31	75	31	59%	\$187,961	\$110,987	\$2,506
2.1.4	Sewer manholes			n/a	n/s		n/a	10	80	10	88%	\$55,800	\$48,825	\$698
2.2	Storm Drainage (see "Storm" Tab)			11/ 4	11/	u	Πηα	10	00	10	0070	φου,σου	ψ 10,020	φοσο
2.2.1	Storm drain piping			n/a	\$ 290	0,500	\$ 312,215	47	86	41	52%	\$166,490	\$86,447	\$1,932
2.2.2	Storm drainage structures			n/a	n/s	-	n/a	25	69	29	58%	\$71,731	\$41,726	\$1,033
2.3	Water Lines (see "Water" Tab)			<u> </u>			<u> </u>							
2.3.1	Water supply piping			n/a	n/a	a	n/a	25	70	25	64%	\$910,700	\$585,450	\$13,010
3.0	Miscellaneous Site Features													
3.1	Signage													
3.1.1	Replace Site Signage	2017	\$ 19,400	. ,	\$ 10	0,000	\$ 10,748	20	20	20	0%	\$19,400.00	\$0	\$970
3.2	Fencing (see "Fencing" Tab for lineal footage of f													
3.2.1	Replace Treated Wood Patio Fencing	1997	\$ 236,000	\$ 247,500			\$ 306,510	9	30	9	70%	\$427,744	\$299,421	\$14,258
3.2.2	Replace Split-Rail Fence at Ct. 4	2010	\$ 4,024				\$ 4,208	22	30	22	27%	\$8,257	\$2,202	\$275
3.2.3	Perimeter Fence	1975	\$ 10,000			,	\$ 37,616	2	50	2	96%	\$69,868	\$67,073	\$1,397
3.2.4	Replace Pool Perimeter Fence		\$ 32,200				\$ 39,877	15		15	50%	\$43,551	\$21,775	\$1,452
3.2.5	Replace Pool Tennis Court Fence	2003		\$ 24,400		,	\$ 16,121	7	30	7	77%	\$14,820	\$11,362	\$494
3.2.6	Replace Triple Tennis Court Fence	2011	\$ 20,750			-	\$ 21,373	23	30	23	23%	\$22,231	\$5,187	\$741
3.2.7	Replace Pickle Ball Court Fence	2018	\$ 7,538	.		-	\$ 5,374	30	30	30	0%	\$8,257	\$0	\$275
3.2.8	Replace Short Basketball Court Fence	2011	\$ 1,100	\$ 1,100	\$	1,100	\$ 1,362	23	30	23	23%	\$1,397	\$326	\$47
3.3	Handrails (see "Fencing" Tab for takeoff)	1015		/-	/	_	I-	10	00	10	0.00/	#0.507	#0.007	6110
3.3.1	Replace Wrought Iron Handrails	1945		n/a	n/a	d	n/a	10	80	10	88%	\$9,527	\$8,337	\$119
3.4	Exterior Lighting (see "Outdoor Lighting" tab)	1072		¢ 20.000	¢ 10.	4.000			25	5	000/	¢106 200	\$05.056	¢4.050
3.4.1	Replace Carriage Lt Poles, Mountings & Fixtures	1973		\$ 20,000		4,000	\$ 111,774	5	25 50	5 5	80%	\$106,320 \$115,313	\$85,056 \$102,781	\$4,253 \$2,206
3.4.2	Replace Carriage Light Pole Circuits/Conduit	1973		n/a	n/a		n/o	5	50 50	5 5	90% 90%	\$115,313 \$10,400	\$103,781 \$0.260	\$2,306
3.4.3	Replace Pole Lights at Swimming Pool	1973		n/a	n/a		n/a	5	50	ວ 5		\$10,400 \$3,450	\$9,360 \$2,300	\$208 \$230
3.4.4	Replace Ceiling Fixtures at Entry to B-Units			n/a	n/s	d	n/a	5	15	5	67%	\$3,450	\$2,300	\$230

Appendix A - Full-Funding Analysis of Replacement Reserves Summary Table

										Estimate	s for the Current Year	(2018)	
Section	Component	Year Last Replaced if Known	Historical Cost If Available	Replacement Cost Estimated in 2003 Study		Replacement Cost Estimated in 2012 Update	Useful Life Estimated in	Useful R	•	Percent Depreciated	Estimated Replacement Cost (2018)	Fully Funded Balance	Annual Depreciation Cost
4.0	Recreational Features												
4.1	Swimming Pool (see "Pools Revised" Tab)												
4.1.1	Main Swimming Pool												
4.1.1.1	Whitecoat "Plaster"	2015						7	4	43%	\$13,800	\$5,910	\$1,970
4.1.1.2	Coping Stone	1997				\$ 14,900		30	9	70%	\$19,500	\$13,650	\$650
4.1.1.3		2015						14	11	21%	\$11,300	\$2,420	\$810
4.1.1.4		2015						14	11	21%	\$2,700	\$580	\$190
4.1.1.5		2017						18	17	6%	\$9,100	\$510	\$510
4.1.1.6	•	2009						20	11	45%	\$25,000	\$11,250	\$1,250
4.1.1.7		1974				\$ 560,000		60	16	73%	\$250,000	\$183,330	\$4,170
4.1.2	Main Swimming Pool Equipment								_				
4.1.2.1		2009						18	9	50%	\$13,500	\$6,750	\$750
4.1.2.2	(, ,	2009						12	3	75%	\$12,800	\$9,600	\$1,070
4.1.2.3	Main Pool Pump (Heavy Duty-Brass)	2009						25	16	36%	\$10,000	\$3,600	\$400
4.1.3	Wading "Baby" Pool												
4.1.3.1	Whitecoat "Plaster"	2014						7	3	57%	\$3,700	\$2,110	\$530
4.1.3.2	. •	2014						30	26	13%	\$5,000	\$670	\$170
4.1.3.3		2014						15	11	27%	\$3,100	\$830	\$210
4.1.3.4	Baby Pool Cover	2017						18	17	6%	\$1,300	\$70	\$70
4.1.4	Wading "Baby" Pool Equipment								_				
4.1.4.1	S .	2009						20	11	45%	\$1,500	\$680	\$80
4.1.4.2	(2009						15	6	60%	\$2,500	\$1,500	\$170
4.1.1.3	Wading Pool Pump (Plastic)	2009						12	3	75%	\$1,500	\$1,130	\$130
4.1.5	Pool Deck												
4.1.5.1	Repair Pool Deck (7.5%)	2017				\$ 2,308		5	4	20%	\$15,500	\$3,100	\$3,100
4.1.5.2	Replace Pool Deck	1974				\$ 65,367		50	6	88%	\$93,700	\$82,460	\$1,870
4.1.6	Pool Accessories/Furniture								_				
4.1.6.1	Replace Lifeguard Chairs	2006				\$ 6,880		20	8	60%	\$5,000	\$3,000	\$250
4.1.6.2		2005				\$ 3,083		15	2	87%	\$4,500	\$3,900	\$300
4.1.6.3	,	2010				\$ 3,237		15	7	53%	\$3,500	\$1,870	\$230
4.1.6.4	•	2017				\$ -		8	7	13%	\$10,000	\$1,250	\$1,250
4.1.6.5	1 00	2015				\$ -		5	2	60%	\$1,900	\$1,140	\$380
4.2	Courts												
4.2.1	Reapply Color Coat At Pool Tennis Court		\$ 12,620		\$ 13,500	\$ 14,509	3		3	40%	\$10,000	\$4,000	\$2,000
4.2.2	Renovate/Reconstruct Pool Tennis Court		\$ 41,655	\$ 20,000	\$ 22,000	\$ 42,905	13	15	13	13%	\$42,905	\$5,721	\$2,860
4.2.3	Reapply Color Coat At Triple Tennis Courts	2011		\$ 10,000	\$ 19,250	\$ 19,827	4	5	4	20%	\$20,422	\$4,084	\$4,084
4.2.4	Renovate/Reconstruct Triple Tennis Courts	2011	\$ 97,366	\$ 45,000	\$ 50,250	\$ 100,287	18	20	18	10%	\$100,287	\$10,029	\$5,014
4.2.5	Reapply Color Coat at Basketball Court	2012	\$ 4,080	\$ 6,000	\$ 4,350	\$ 4,675	4	5	4	20%	\$4,815	\$963	\$963
4.2.6	Renovate/Reconstuct Basketball Court	2012	Ψ,σσσ	\$ 15,000	\$ 16,600	\$ 16,600	5	20	5	75%	\$30,000	\$22,500	\$1,500
4.2.7	Reapply Color Coat At Pickleball Court		\$ 3,500				2	5	2	60%	\$10,000	\$6,000	\$2,000
4.2.8	Renovate/Reconstruct Pickleball Court		\$ 12,000				2	20	2	90%	\$12,360	\$11,124	\$618
4.3	Tot Lot												
4.3.1	Replace Tot Lot Playground Equipment		+,	\$ 15,000	\$ 35,000	\$ 40,138	31	35	31	11%	\$47,700	\$5,451	\$1,363
4.3.2	Replace Tot Lot 6 x 6 Borders	2014	\$ 7,000				10	15	10	33%	\$7,300	\$2,433	\$487
4.3.3	Replenish Tot Lot Pea Gravel	2018	\$ 3,600				4	4	4	0%	\$3,700	\$0	\$925

2018 Capital Reserve Study Fairlington Glen Condominium prepared by: Restoration Engineering, Inc.

Appendix A - Full-Funding Analysis of Replacement Reserves Summary Table

										Estimate	s for the Current Year	(2018)	
Section	Component	Year Last Replaced if Known	Historical	Replacement Cost Estimated in 2003 Study	Estimated in	Replacement Cost Estimated in 2012 Update	Remaining Useful Life Estimated in 2018		•	Percent Depreciated	Estimated Replacement Cost (2018)	Fully Funded Balance	Annual Depreciation Cost
5.0	Building Exteriors												
5.1	Roofs (see "Roofing" tab)												
5.1.1	Slate Roofing Systems			\$ 4,207,400		\$ 6,342,441	66	101	66	34%	\$7,067,224	\$2,429,094	\$70,188
5.2	Dormers (see "Dormers" tab)												
5.2.1	Gable Dormers						30	100	57	43%	\$249,400	\$108,272	\$2,494
5.3	Chimneys (see "Chimneys" tab)												
5.3.1	Chimney Brick Masonry Maint./Repointing			\$ 197,184		\$ 244,198	2	75	2	97%	\$155,168	\$151,030	\$2,069
5.3.2	Chimney Caps (Copper)	1997					17	50	32	36%	\$237,920	\$85,651	\$4,758
5.3.3	Chimney Screens						20	25	20	20%	\$25,000	\$5,000	\$1,000
5.4	Façade												
5.4.1	Masonry Veneer Maintenance/Repointing			\$ 197,184		\$ 244,198	5	5	5	0%	\$150,000	\$0	\$30,000
5.4.2	Replace Shutters			\$ 60,000		\$ 74,306	12	25	12	52%	\$74,306	\$38,639	\$2,972
5.4.3	Replace B-Unit Doors (see "B-Units" Tab)			\$ 5,000	\$ 33,350	\$ 35,843	5	40	5	88%	\$34,500	\$30,188	\$863
5.4.4	Replace B-Unit Common Windows (see "B-Unit	s" Tab)			\$ 11,500	\$ 12,360	2	25	2	92%	\$28,750	\$26,450	\$1,150
5.5	Entrances												
5.5.1	Masonry Stoops (see "Stoops" Tab)					\$ 688,966	20	80	30	63%	\$1,464,290	\$917,507	\$18,304
5.5.2	Porticos at Main Entrances (see "Porticos" Tab)						0	100	25	75%	\$975,100	\$731,325	\$9,751
5.5.3	Canopies at Rear Entrances (see "Rear Canopies	3")					0	50	0	100%	\$367,200	\$367,200	\$7,344
5.6	Bath House / Maintenance Building												
5.6.1	Exterior Building Renovation						41	85	11	87%	\$250,000	\$217,175	\$2,943
6.0	Building Interiors & Services												
6.1	Interiors												
6.1.1	Replace B-Unit Interior Finishes	2006	\$ 50,220	\$ 50,000		\$ 57,592	5	12	5	58%	\$57,592	\$33,595	\$4,799
6.1.2	Replace B-Unit Mailboxes (see "B-Units" Tab)	2011	\$ 9,959			\$ 10,258	33	35	33	6%	\$11,500	\$657	\$329
6.1.3	Refurbish Maintenance Office & Bathhouses	2009	\$ 446,909	\$ 12,500		\$ 479,836	41	50	41	18%	\$80,000	\$14,400	\$1,600
6.2	Tools/Equipment												
6.2.1	Replace B-unit Carpet Cleaner		\$ 2,333			\$ 2,403	7	12	7	42%	\$2,500	\$1,042	\$208
6.2.2	Replace Tractor + Accessories	2003	\$ 2,600	\$ 7,500	\$ 2,000	\$ 2,150	3	18	3	83%	\$5,000	\$4,167	\$278
6.2.3	Replace Snow Blower	2010	\$ 1,840				5	13	5	62%	\$1,700	\$1,046	\$131
6.2.4	Replace Pipe Camera & Locator	2015	\$ 10,000			\$ 10,000	17	20	17	15%	\$4,000	\$600	\$200
6.2.5	Replace Pool/Maintenance HVAC	2016	\$ 5,190			\$ -	13	15	13	13%	\$5,500	\$733	\$367
6.2.6	Replace Miscellaneous Equipment					\$ -	5	10	5	50%	\$7,000	\$3,500	\$700
6.3	Services												
6.2.1	Replacement Reserve Study	2018	\$ 10,000			\$ 16,000	5	5	5	0%	\$10,000	\$0	\$2,000
	Total Funded Components										\$16,760,229	\$8,242,927	\$317,701

Full-Funding Percentage

Appendix A1.1 - Supporting Estimate for Parking Lot Full Funding Amount (1.1a)

				2011 REPA	IRS (NVM)			2014REP	AIRS (NVM)		2018 RECON	NST. (PRO-PAVE)							
Court	Cui Area (sq ft)	rb & Gutter (LF)	Sealcoat (Y/N)	Sealcoat Approx. Cost	Overlay (Y/N)	Overlay Approx. Cost	Sealcoat (Y/N)	Sealcoat Approx. Cost	Overlay (Y/N)	Overlay Cost	Court Reconst.	Court Reconst. Cost	Useful Life	Condition (2018)	Year to be Replaced	Remaining Useful Life	Percent Depreciated	Replacement Cost (CY)	Annual Fully Funded Depreciation Balance Cost (CY)
1	8325	412	YES	\$ 930.00	NO	\$ -	YES	\$ 1,140.00	NO	\$ -	NO	\$ -	30	Average	2028	10	67% \$	68,681 \$	45,788 \$ 2,289.00
2	7600	402	YES	\$ 840.00	NO	\$ -	NO	\$ -	NO	\$ -	NO	\$ -	30	Below Average	2025	7	77% \$	62,700 \$	48,070 \$ 2,090.00
3	8400	405	YES	\$ 930.00	NO	\$ -	NO	\$ -	NO	\$ -	NO	\$ -	30	Below Average	2024	6	80% \$	69,300 \$	55,440 \$ 2,310.00
4	9170	497	YES	\$ 1,020.00	NO	\$ -	NO	\$ -	NO	\$ -	NO	\$ -	30	Above Average	2033	15	50% \$	75,653 \$	37,826 \$ 2,522.00
5	6150	360	YES	\$ 680.00	NO	\$ -	YES	\$ 840.00	NO	\$ -	NO	\$ -	30	Poor	2023	5	83% \$	50,738 \$	42,281 \$ 1,691.00
6	8250	413	YES	\$ 920.00	NO	\$ -	NO	\$ -	YES	\$ 11,600.00	NO	\$ -	30	Good	2036	18	40% \$	68,063 \$	27,225 \$ 2,269.00
7	7375	366	YES	\$ 820.00	NO	\$ -	YES	\$ 1,010.00	NO	\$ -	NO	\$ -	30	Average	2029	11	63% \$	60,844 \$	38,534 \$ 2,028.00
8	4850	320	YES	\$ 540.00	NO	\$ -	NO	\$ -	NO	\$ -	NO	\$ -	30	Below Average	2027	9	70% \$	40,013 \$	28,009 \$ 1,334.00
9	6800	382	YES	\$ 760.00	NO	\$ -	YES	\$ 930.00	NO	\$ -	NO	\$ -	30	Very Good	2042	24	20% \$	56,100 \$	5 11,220 \$ 1,870.00
10	7050	409	YES	\$ 780.00	NO	\$ -	YES	\$ 960.00	NO	\$ -	NO	\$ -	30	Poor	2022	4	87% \$	58,163 \$	5 50,408 \$ 1,939.00
11	8500	495	NO	\$ -	YES	\$ 11,310.00	NO	\$ -	NO	\$ -	NO	\$ -	30	Average	2030	12	60% \$	70,125 \$	42,075 \$ 2,338.00
12	7650	402	YES	\$ 850.00	NO	\$ -	YES	\$ 1,050.00	NO	\$ -	NO	\$ -	30	Above Average	2032	14	53% \$	63,113 \$	33,660 \$ 2,104.00
13	7300	389	YES	\$ 810.00	NO	\$ -	NO	\$ -	NO	\$ -	NO	\$ -	30	Average	2031	13	57% \$	60,225 \$	34,128 \$ 2,008.00
14	4900	497	NO	\$ -	YES	\$ 6,520.00	NO	\$ -	NO	\$ -	YES	\$ 55,830.00	30	New	2048	30	0% \$	55,830 \$	5 - \$ 1,861.00
15	9700	456	YES	\$ 1,080.00	NO	\$ -	YES	\$ 1,330.00	NO	\$ -	NO	\$ -	30	Below Average	2026	8	73% \$	80,025 \$	5 58,685 \$ 2,668.00
16	4850	468	YES	\$ 540.00	NO	\$ -	YES	\$ 660.00	NO	\$ -	NO	\$ -	30	Above Average	2034	16	47% \$	40,013 \$	18,673 \$ 1,334.00
Total	116,870	_														13	57.9% \$	980,000.00 \$	\$ 568,000.00 \$ 32,655.00

116,870 SF 12,986 SY

Appendix A1.2 - Supporting Estimate for Parking Lot - Maintenance/Replacement Schedule (1.1b)

Recommended Annual Asphalt Maintenance (all figures in 2018 dollars)

None Sealcoat Overlay Replace*	-1 1/2" asphal	yers) entire Co		Unit Costs \$ 0.15 \$ 1.25 \$ 8.25	/sf												
Court	SF	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027		2028	2029	2030	2031	2032
1	8325	None	Sealcoat	None	None	Sealcoat	None	None	Sealcoat	None	None	•	Replace	None	None	Sealcoat	None
		\$ - None	\$ 1,248.75 Sealcoat	S - None	\$ - None	\$ 1,248.75 Sealcoat	\$ - None	\$ - None	\$ 1,248.75 Sealcoat	\$ - None	\$ - None	\$	68,681.25 Replace	\$ - None	\$ - None	\$ 1,248.75 Sealcoat	\$ - None
2	7600	\$ -	\$ 1,140.00		\$ -	\$ 1,140.00		\$ -	\$ 1,140.00		\$ -	\$	•	\$ -	\$ -	\$ 1,140.00	\$ -
•	0.400	None	Sealcoat	None	None	Sealcoat	None	None	Sealcoat	None	None	Ψ	Replace	None	None	Sealcoat	None
3	8400	\$ -	\$ 1,260.00	\$ -	\$ -	\$ 1,260.00	\$ -	\$ -	\$ 1,260.00	\$ -	\$ -	\$	•	\$ -	\$ -	\$ 1,260.00	\$ -
4	9170	None	Sealcoat	None	None	Sealcoat	None	None	Sealcoat	None	None	_	Replace	None	None	Sealcoat	None
•	0110	\$ -	\$ 1,375.50		\$ -	\$ 1,375.50		\$ -	\$ 1,375.50		\$ -	\$	•	\$ -	\$ -	\$ 1,375.50	\$ -
5	6150	None ¢	Sealcoat \$ 922.50	None ¢	None \$ -	Sealcoat \$ 922.50	None ¢	None \$ -	Sealcoat \$ 922.50	None \$ -	None ¢	\$	Replace 50,737.50	None \$ -	None ¢	Sealcoat \$ 922.50	None \$ -
_		ουerlay	None	None	- None	Sealcoat	Ψ - None	- None	Sealcoat	φ - None	- None	φ	Replace	- None	- None	Sealcoat	Ψ - None
6	8250	\$ 10,312.50		\$ -	\$ -	\$ 1,237.50		\$ -	\$ 1,237.50	\$ -	\$ -	\$	•	\$ -	\$ -	\$ 1,237.50	\$ -
7	7375	None	None	Sealcoat	None	None	Sealcoat	None	None	Sealcoat	None		Replace	None	None	Sealcoat	None
•	7070	\$ -	\$ -	\$ 1,106.25	\$ -	\$ -	\$ 1,106.25	\$ -	\$ -	\$ 1,106.25		\$	60,843.75		\$ -	\$ 1,106.25	\$ -
8	4850	None	None	Sealcoat	None	None	Sealcoat	None	None	Sealcoat	None	Φ	Replace	None	None	Sealcoat	None
		None	ъ - None	\$ 727.50 Sealcoat	ъ - None	۶ - None	\$ 727.50 Sealcoat	ъ - None	ቅ - None	\$ 727.50 Sealcoat	۶ - None	\$	•	\$ - None	ъ - None	\$ 727.50 Sealcoat	ъ - None
9	6800	None \$ -	\$ -	\$ 1,020.00	\$ -	\$ -	\$ 1,020.00		\$ -	\$ 1,020.00		\$	Overlay 8,500.00	\$ -	\$ -	\$ 1,020.00	\$ -
40	7050	None	Sealcoat	None	None	Sealcoat	None	None	Sealcoat	None	None	Ψ	Replace	None	None	Sealcoat	None
10	7050	\$ -	\$ 1,057.50	\$ -	\$ -	\$ 1,057.50		\$ -	\$ 1,057.50		\$ -	\$	•	\$ -	\$ -	\$ 1,057.50	\$ -
11	8500	None	None	Sealcoat	None	None	Sealcoat	None	None	Sealcoat	None		Replace	None	None	Sealcoat	None
••	0000	\$ -	\$ -	\$ 1,275.00	•	\$	\$ 1,275.00		\$	\$ 1,275.00		\$		\$	\$ -	\$ 1,275.00	\$
12	7650	None ©	None ¢	Sealcoat \$ 1,147.50	None ¢	None ¢	Sealcoat \$ 1,147.50	None ¢	None ¢	Sealcoat \$ 1,147.50	None ¢	\$	Replace 63,112.50	None \$ -	None ¢	Sealcoat \$ 1,147.50	None \$ -
		- None	- None	Sealcoat	- None	Ψ - None	Sealcoat	- None	Ψ - None	Sealcoat	- None	Ψ	Replace	- None	- None	Sealcoat	Ψ - None
13	7300	\$ -	\$ -	\$ 1,095.00		\$ -	\$ 1,095.00		\$ -	\$ 1,095.00		\$	•	\$ -	\$ -	\$ 1,095.00	\$ -
14	4900	None	None	Sealcoat	None	None	Sealcoat	None	None	Sealcoat	None		Replace	None	None	Sealcoat	None
14	4300	\$ -	\$ -	\$ 735.00		\$ -	\$ 735.00		\$ -	\$ 735.00		\$	•	\$ -	\$ -	\$ 735.00	\$ -
15	9700	None	Sealcoat	None	None	Sealcoat	None	None	Sealcoat	None	None	ф	Replace	None	None	Sealcoat	None
		\$ - None	\$ 1,455.00 None	\$ - Sealcoat	\$ - None	\$ 1,455.00	Sealcoat	\$ - None	\$ 1,455.00 None	\$ - Sealcoat	∜ - None	\$	80,025.00 Replace	None	ъ - None	\$ 1,455.00 Sealcoat	\$ - None
16	4850	\$ -	\$ -	\$ 727.50		None \$ -	\$ 727.50		\$ -	\$ 727.50		\$	•	\$ -	\$ -	\$ 727.50	
		*	Ψ	Ψ 1L1.00	*	Ψ	ψ 1L1.00	*	*	Ψ 121.00	*	Ψ	10,012.00	Ψ	Ψ	ψ 121.00	Ψ
Annua	l "Maintenance"	\$ 10,312.50	\$ 8,459.25	\$ 7,833.75	\$ -	\$ 9,696.75	\$ 7,833.75	\$ -	\$ 9,696.75	\$ 7,833.75	\$ -	\$	8,500.00	\$ -	\$ -	\$ 17,530.50	\$ -
Annual Re	placement Cost	: \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$	908,077.50	\$ -	\$ -	\$ -	\$ -

Annual Maint. \$ (thru 2019) \$ 6,305.14

Recommended Annual Asphalt Maintenance (all figures in 2018 dollars)

Court	SF		2033	2034		2035		2036	2037		2038		2039	2040		2041		2042	2043		044		2045	2046
1	8325	1 2	None -	Sealcoat \$ 1,248.75	\$	None -	\$	None -	Sealcoat \$ 1,248.75		None -	\$	None -	Sealcoat \$ 1,248.75		None -	\$	None -	Sealcoat \$ 1,248.75		one -	\$	None -	Sealcoat \$ 1,248.75
2	7600	١	None	Sealcoat	Ψ	None	Ψ	None	Sealcoat		None	Ψ	None	Sealcoat		None		None	Sealcoat		one		None	Sealcoat
Z	7000	\$	-	\$ 1,140.00	\$	-	\$	-	\$ 1,140.00		-	\$	-	\$ 1,140.00		-	\$	-	\$ 1,140.00		-	\$	-	\$ 1,140.00
3	8400	ا .	None	Sealcoat		None		None	Sealcoat		None		None	Sealcoat		None		None	Sealcoat		one		None	Sealcoat
J	0 100	\$	-	\$ 1,260.00	\$	-	\$	-	\$ 1,260.00		-	\$	-	\$ 1,260.00		-	\$	-	\$ 1,260.00		-	\$	-	\$ 1,260.00
4	9170	_ [None	Sealcoat	•	None	•	None	Sealcoat		None	•	None	Sealcoat		None		None	Sealcoat		one		None	Sealcoat
-		\$.	-	\$ 1,375.50	\$	-	\$	-		\$	-	\$	-	' '	\$	-	\$	-	\$ 1,375.50		-	\$	-	\$ 1,375.50
5	6150	_ [None	Sealcoat	Φ.	None	Φ.	None	Sealcoat		None	Φ	None	Sealcoat		None		None	Sealcoat		one		None	Sealcoat
		Φ,	- N	\$ 922.50	\$	- N	\$	- Na		\$	- N	\$	- N	\$ 922.50		- N	\$	- N	\$ 922.50		-	\$	- N	\$ 922.50
6	8250	φ	None	Sealcoat	φ	None	\$	None	Sealcoat	\$	None	\$	None	Sealcoat \$ 1,237.50	\$	None	\$	None	Sealcoat		one	\$	None	Sealcoat
		φ I	- None	\$ 1,237.50 Sealcoat	Ф	- None	Ф	- None	\$ 1,237.50 Sealcoat		- None	Ф	None	Sealcoat		- None	Ψ.	- None	\$ 1,237.50 Sealcoat		- one	т	- None	\$ 1,237.50 Sealcoat
7	7375	¢ ı	NOHE -	\$ 1,106.25	¢	INOHE	¢	NOHE -		\$	NOHE -	\$	INOTIC		\$	NOHE	\$	-		\$	_	\$	INOTIC	\$ 1,106.25
		Ψ	- None	Sealcoat	Ψ	None	Ψ	None	Sealcoat		None	Ψ	None	Sealcoat		None	т -	None	Sealcoat	•	one		None	Sealcoat
8	4850	\$	-	\$ 727.50	\$	-	\$	-		\$	-	\$	-		\$	-	\$	-	\$ 727.50		-	\$	-	\$ 727.50
_		١	None	Sealcoat	Ψ	None	Ψ	None	Sealcoat	•	None	Ψ	None	Sealcoat		None	т.	None	Sealcoat		one	Ψ.	None	Sealcoat
9	6800	\$	-	\$ 1,020.00	\$	-	\$	-	\$ 1,020.00		-	\$	-		\$	-	\$	-	\$ 1,020.00		-	\$	-	\$ 1,020.00
4.0	7050	۱	None	Sealcoat	Ψ	None	Ψ	None	Sealcoat	-	None	Ψ	None	Sealcoat		None	т -	None	Sealcoat	•	one		None	Sealcoat
10	7050	\$	-	\$ 1,057.50	\$	-	\$	-		\$	-	\$	-		\$	-	\$	-	\$ 1,057.50		-	\$	-	\$ 1,057.50
44	0500	. [None	Sealcoat	·	None		None	Sealcoat	·	None	•	None	Sealcoat	•	None	·	None	Sealcoat	•	one	·	None	Sealcoat
11	8500	\$	-	\$ 1,275.00	\$	-	\$	-	\$ 1,275.00	\$	-	\$	-	\$ 1,275.00	\$	-	\$	-	\$ 1,275.00	\$	-	\$	-	\$ 1,275.00
12	7650	1	None	Sealcoat		None		None	Sealcoat		None		None	Sealcoat		None		None	Sealcoat	N	one		None	Sealcoat
12	7000	\$	-	\$ 1,147.50	\$	-	\$	-	\$ 1,147.50	\$	-	\$	-	\$ 1,147.50	\$	-	\$	-	\$ 1,147.50	\$	-	\$	-	\$ 1,147.50
13	7300	1	None	Sealcoat		None		None	Sealcoat		None		None	Sealcoat		None		None	Sealcoat	N	one		None	Sealcoat
10	7 300	\$	-	\$ 1,095.00	\$	-	\$	-	\$ 1,095.00	\$	-	\$	-	\$ 1,095.00		-	\$	-	\$ 1,095.00		-	\$	-	\$ 1,095.00
14	4900		None	Sealcoat		None		None	Sealcoat		None		None	Sealcoat		None		None	Sealcoat		one		None	Sealcoat
	1000	\$	-	\$ 735.00	\$	-	\$	-	\$ 735.00		-	\$	-	\$ 735.00		-	\$	-	\$ 735.00		-	\$	-	\$ 735.00
15	9700	_ [None	Sealcoat		None		None	Sealcoat		None		None	Sealcoat		None		None	Sealcoat		one		None	Sealcoat
	0.00	\$	-	\$ 1,455.00	\$	-	\$	-	\$ 1,455.00		-	\$	-	\$ 1,455.00		-	\$	-	\$ 1,455.00		-	\$	-	\$ 1,455.00
16	4850	, l	None	Sealcoat	•	None	•	None	Sealcoat		None	•	None	Sealcoat		None		None	Sealcoat		one		None	Sealcoat
		\$	-	\$ 727.50	\$	-	\$	-	\$ 727.50	\$	-	\$	-	\$ 727.50	\$	-	\$	-	\$ 727.50	\$	-	\$	-	\$ 727.50
	aintenance"		-	\$ 17,530.50	\$	-	\$	-	\$ 17,530.50	\$	-	\$	-	\$ 17,530.50	\$	-	\$	-	\$ 17,530.50	\$	-	\$	-	\$ 17,530.50
Annual Replac	ement Cost	\$	-	\$ -	\$	-	\$	-	\$ -	\$	-	\$	-	\$ -	\$	-	\$	-	\$ -	\$	-	\$	-	\$ -

Appendix A2 - Supporting Estimate for Sidewalk Full Funding Amount (1.2.1)

Estimated Amounts

² From Restoration Engineering Site Plan

		Sidewalks (2008	3) ¹	Sidewalks (2013) ²
Court	Map Inches	Linear Feet	Square Feet	Square Feet
1	10.750	538	2,150	2669
2	8.600	430	1,720	2442
3	10.550	528	2,110	3115
4	19.825	991	3,965	4925
5	10.875	544	2,175	2092
6	12.000	600	2,400	2748
7	12.750	638	2,550	1945
8	9.600	480	1,920	2334
9	10.750	538	2,150	3087
10	18.175	909	3,635	3018
11	17.250	863	3,450	3155
12	11.450	573	2,290	2393
13	9.100	455	1,820	2248
14	5.300	265	1,060	893
15	22.300	1,115	4,460	4538
16	6.250	313	1,250	911
Pool Area	17.750	888	3,550	4956
Total	213.275	10,664	42,655	47469
Replacem	ent cost per sq	ft (2003)	\$6.00	
Replacem	ent cost per sq	ft (2008)	\$7.43	
Replacem	ent cost per sq	ft (CY)		\$7.99
•	cement cost		\$255,930	
Total repla	cement cost	2008	\$316,950	
Total repla	acement cost -	- CY		\$379,087
Life expec	tancy		20	15

This tab was not updated as part of the 2018 CRS as the Board has elected to transfer sidewalk maintenance to the annual maintenance budget in lieu of committing reserves to future repair/replacement.

¹ From Arlington County Survey Map (1 inch = 50 feet)

Appendix A3 - Supporting Estimate for Curb and Gutter Full Funding Amount (1.2.b)

Estimated Amounts

Section

	Curb an	d Gutter ¹	Curb and Gutter ²		Useful	Year to be	Replacement
Court	Map Inches	Linear feet	Takeoff	Status	Life	Replaced	Cost (CY)
1	8.000	400	412	Overlaid	30	2028	\$13,184
2	7.500	375	402	Overlaid	30	2025	\$12,864
3	7.250	363	405	Overlaid	30	2024	\$12,960
4	9.250	463	497	Overlaid	30	2033	\$15,904
5	6.750	338	360	Overlaid	30	2023	\$11,520
6	7.375	369	413	Overlaid	30	2036	\$13,216
7	6.475	324	366	Overlaid	30	2029	\$11,712
8	6.375	319	320	Overlaid	30	2027	\$10,240
9	6.250	313	382	Replaced	30	2042	\$12,224
10	7.475	374	409	Overlaid	30	2022	\$13,088
11	8.750	438	495	Overlaid	30	2030	\$15,840
12	6.875	344	402	Overlaid	30	2032	\$12,864
13	6.875	344	389	Overlaid	30	2031	\$12,448
14	8.250	413	497	Replaced	30	2048	\$15,904
15	8.600	430	456	Overlaid	30	2026	\$14,592
16	7.875	394	468	Replaced	30	2034	\$14,976
Total	119.925	5,996	6,673				\$214,000

Replacement cost per linear ft (2003) \$25.00 Replacement cost per linear ft (CY) \$30.96

¹ 2008 From Arlington County Survey Map (1 inch = 50 feet)

² 2013 From Restoration Engineering Site Plan

\$118 Outside Relining Cost Per Foot (6" diameter)

\$145 Outside Relining Cost Per Foot (4" diameter)

\$195 Inside Relining Cost Per Foot (4" diameter)

\$5,266 Average excavation cost

SEWE	R LATERALS									Insi	de Section							Outside S	Section				Total	
Court	Building	Inside				•		Year Last			Percent	•	Fully Funded	Anticipated			Useful R	•	Percent	Excavation			Fully Funded	Annual
		Length	•	Diameter	Cleanout		or Relined	Replaced	Life		epreciated	Cost (CY \$)	Balance	Year of		Replaced	Life U	seful Life	Depreciated	& Relining	Balance (CY	Relining Cost	Balance (CY D	•
		(feet)	(teet)	(inches)	? (1=Yes)	February 2019 "Sewer Pipe Data by Unit"		or Relined		Life			(CY \$)	Reline/ Replace	Relined	or Relined				Cost (CY \$)	\$)	(CY \$)	\$)	Cost
1	3501-3503	25	50	6	1 - 100)		Original	1943	80	4	95%	\$4,875	\$4,631	2022	RL	2009	50	40	20%	\$11,177	\$2,235	\$16,052	\$6,867	\$284
1	3507-3513	20	55	6	0	In 2009, the 4" line under the building looked degraded	Original	1943	80	4	95%	\$3,900	\$3,705	2022		2008	50	39	22%	\$11,769	\$2,589	\$15,669	\$6,294	\$284
						but was experiencing no problems. Interior clean-out						+-,	+-,							¥ · · · ,· · · ·	+ -,	+ ,	¥-, <u>-</u>	,
						tiled over (2007).																		
1	3515-3519	20	65		0		Original	1943	80	4	95%	\$3,900	\$3,705	2022		2008	50	39	22%	\$12,951	\$2,849	\$16,851	\$6,554	\$308
1	3521-3525	25	65	6	0	In 2009, the 4" cast iron line under the building looked	Replaced	2019	100	100	0%	\$4,875	\$0	2118	RL	2008	50	39	22%	\$12,951	\$2,849	\$17,826	\$2,849	\$308
						degraded but was experiencing no problems. Interior clean-out carpeted-over (2007). In early 2019, Dwyer																		
						replaced a 16'8" segment of the cast iron line between																		
						(1) the interior clean-out and (2) its junction outside the																		
						building with the line connecting with the manhole.																		
1	3527-3529	25	45	6	0	A concrete barrier from the old steam heating system	Original	1943	80	4	95%	\$4,875	\$4,631	2022		1943	80	4	95%	\$10,586	\$10,057	\$15,461	\$14,688	\$193
						blocked re-lining. The interior clean-out is just outside																		
						the door to the back room and a bit to the right but within																		
2	3535-3541	25	64	6	0	the width of the door (carpeted-over in 2007). In 2007, owner stated that (1) the bathroom had a	Original	1943	85	0	89%	\$4,875	\$4,359	2027	RL	2009	50	40	20%	\$12,833	\$2,567	\$17,708	\$6,925	\$314
2	3333-3341	23	04	U	U	standard slotted drain that once backed-up and (2) she	Original	1340	00	J	03/0	Ψ4,013	Ψ4,000	2021	I IL	2003	30	40	2070	Ψ12,000	Ψ2,307	Ψ17,700	ψ0,920	ΨΟΙΨ
						did not know whether there was any other access point																		
						under the carpet.																		
2	3543-3547	26	86	6	0	In 2007, owner said that an interior clean-out point could	Original	1943	85	9	89%	\$5,070	\$4,533	2027	RL	2009	50	40	20%	\$15,433	\$3,087	\$20,503	\$7,620	\$368
•	0540 0555	00	70	0	0	be under the carpet.	Orderina	1010	0.5	0	000/	#0.000	#0.407	0007		0000	Ε0.	40	000/	640 E40	ф0 7 00	617.440	#C 10 F	#047
<u></u>	3549-3555 3561-3563	20 25	70 68	<u>6</u>	1	New interior bi-directional clean-out installed in washer	Original Original	1943 1943	85 80	<u>9</u>	89% 95%	\$3,900 \$4,875	\$3,487 \$4,631	2027 2022		2009 2015	50 50	40 46	20% 8%	\$13,542 \$13,305	\$2,708 \$1,064	\$17,442 \$18,180	\$6,195 \$5,696	\$317 \$327
,	3301-3303	20	00	U	'	room in 2014. In 2007, the old clean-out could not be	Original	1340	00	7	30 /0	Ψ4,013	Ψ4,001	2022	I IL	2013	30	40	0 /0	ψ10,000	ψ1,004	ψ10,100	ψ5,090	ψυΖΙ
						found under thick carpet, and, as in 2014, it is probably																		
						covered by expensive tile. The down-stack pipe in the																		
						washer room has an access point about a yard above the	9																	
						floor. In August 2015, Dwyer: (1) repaired the junction																		
						between (a) the line extending out from under the building and (b) the re-lined pipe leading to the street, replacing	g																	
						nearby portions of both lines in the process; and (2)																		
						installed a second (further from the building) exterior																		
						clean-out allowing access toward the building.																		
_				_							222	4	40							444 = 00	40	410.10-	**	****
3	3565-3567	25 25	53 75	6	1	DD 1070: DL 2000: 2017: Depleyed 12 feet of the line	Relined	2009 2008	50 on	40 60	20%	\$4,875 ¢4,875	\$975 \$670	2058 2087	II	2008	50	39	22%	\$11,532	\$2,537	\$16,407	\$3,512	\$328 \$344
3	3569-3573	25	75	0	'	RP 1978; RL 2008; 2017: Replaced 12 feet of the line between: (a) the junction of the 2008 replacement pipe	Replaced	2000	80	69	14%	\$4,875	\$670	2007	RL	2008	50	39	22%	\$14,133	\$3,109	\$19,008	\$3,780	\$344
						running from under building with the pipe running thence																		
						to street; and (b) the sidewalk.																		
3	3575-3579	25	64	4	1	In March 2018, line was snaked and jetted from	Original	1943	80	4	95%	\$4,875	\$4,631	2022	RP	1983	50	14	72%	\$14,552	\$10,478	\$19,427	\$15,109	\$352
•	0504 0505	0.5	0.4			basement clean-out to point outside building footprint.	0	4040	00		0.50/	#4.07 F	0.1.004	0000		0000	50	10	000/	M40 470	#0.400	#47.050	47.407	#040
3 1	3581-3585 4101-4111	25 21	61 199	<u>6</u>	1	Interior clean-out not located in 2007. Interior clean-out near the wall in the front room.	Original Original	1943 1943	80 88	12	95% 86%	\$4,875 \$4,095	\$4,631 \$3,537	2022 2030		2009 2009	50 50	40 40	20% 20%	\$12,478 \$28,793	\$2,496 \$5,759	\$17,353 \$32,888	\$7,127 \$9,295	\$310 \$622
4	4113-4117	23	109			Interior clean-out near the warm the nontroom. Interior clean-out covered by 5" metal plate.	Original	1943	88	12	86%	\$4,485	\$3,873	2030		2009	50	40	20%	\$18,153	\$3,733	\$22,638	\$7,504	\$414
4	4119-4123	20	81	6	0		Original	1943	88	12	86%	\$3,900	\$3,368	2030		2009	50	40	20%	\$14,842	\$2,968	\$18,742	\$6,337	\$341
4	4125-4139	27	27	6	0	In 2007, owner said that interior clean-out may be in	Original	1943	88	12	86%	\$5,265	\$4,547	2030		2009	50	40	20%	\$8,458	\$1,692	\$13,723	\$6,239	\$229
						bathroom.																		
)	4100-4110	20	74 76		0	In 2015, (1) replaced 15 feet of leteral manning toward	Original	1943	85 95	9	89%	\$3,900	\$3,487	2027		2009	50	40 40	20%	\$14,015	\$2,803	\$17,915	\$6,290 \$6,227	\$326
5	4112-4116	20	76	6	Ü	In 2015: (1) replaced 15 feet of lateral running toward street from junction with line running out from under	Original	1943	85	9	89%	\$3,900	\$3,487	2027	RL + Part.	2009	50	40	20%	\$14,251	\$2,850	\$18,151	\$6,337	\$331
						leftmost unit of building and added outside cleanout; (2)									+ Part.									
						repaired this junction to remedy blockage.																		
5	4118	17	93	6	0	· · · · · · · · · · · · · · · · · · ·	Original	1943	85	9	89%	\$3,315	\$2,964	2027		2009	50	40	20%	\$16,261	\$3,252	\$19,576	\$6,216	\$364
<u>5</u>	4122-4128	20	41	6	1		Original	1943	85	9	89%	\$3,900	\$3,487	2027			50	40	20%	\$10,113	\$2,023	\$14,013	\$5,510	\$248
р 6	4130-4144 4146-4156	20 20	31 62		1	Interior clean-out tiled over (2007).	Original	1943 1943	85 85	9	89% 89%	\$3,900 \$3,900	\$3,487 \$3,487	2027 2027		2008 2008	50 50	39 39	22% 22%	\$8,931 \$12,596	\$1,965 \$2,771	\$12,831 \$16,496	\$5,452 \$6,258	\$225 \$298
U	4140-4100	20	02	0	U	intendi dean-dul tiidu dvei (2007).	Original	1943	00	9	09%	და,9 00	 და,40/	2027	II KL	2000	50	აყ	ZZ70	φ12,390	φ۷,//	φ10,490	φυ,∠30	Φ2 9δ

Appendix A4 - Supporting Estimate for Sewer Full Funding Amount (2.1)

\$118 Outside Relining Cost Per Foot (6" diameter)

\$145 Outside Relining Cost Per Foot (4" diameter)

\$195 Inside Relining Cost Per Foot (4" diameter)

\$5,266 Average excavation cost

SEW	ER LATERALS									Insid	e Section							Outside Se	ction				Total	
6	4158-4170	20	72	6	1	Cost of Replacement in 2009 = \$17,300; Lateral exits	Original	1943	85	9	89%	\$3,900	\$3,487	2027	RP	2009	50	40	20%	\$18,575	\$3,715	\$22,475	\$7,202	\$417
						from the rear into the driveway, not (as shown in County																		
	4470 4470	00	47	0	0	map) from the front.	Oninin al	1010	0.5	0	000/	#0.000	#0 407	0007	DI	0000	50	00	000/	Φ7.07C	#4 CO4	M44 470	фг. 000	¢404
<u>6</u>	4172-4176	20	17	6	- 0	Clean-out tiled over. Cleaned-out October 2018	Original	1943	85	9	89%	\$3,900	\$3,487	2027	RL	2008	50	39	22%	\$7,276	\$1,601	\$11,176	\$5,088	\$191 \$198
7	4200-4208	20	20	6			Original	1943	85 05	9	89%	\$3,900	\$3,487	2027	RP	2002	50	33	34%	\$7,631	\$2,594	\$11,531	\$6,082	
7	4210-4212	20	132	6			Original	1943	85	9	89%	\$3,900	\$3,487	2027	RL	2005	50	36	28%	\$20,872	\$5,844	\$24,772	\$9,331	\$463
8	3601-3609	20	51	6			Original	1943	90	14	84%	\$3,900	\$3,293	2032	RL	2009	50	40	20%	\$11,296	\$2,259	\$15,196	\$5,552	\$269
8	3611-3613	20	115	6	1		Original	1943	90	14	84%	\$3,900	\$3,293	2032	RP	2001	50	32	36%	\$18,862	\$6,790	\$22,762	\$10,084	\$421
8	3615-3625	20	110	6	1	latarian alamant madan armat (0007). The according for	Original	1943	90	14	84%	\$3,900	\$3,293	2032	RL	2007	50	38	24%	\$18,271	\$4,385	\$22,171	\$7,678	\$409
9	3513-3523	8	101	6	1	Interior cleanout under carpet (2007). The sewer line for the building runs along the rear and is served by an exterior clean-out that is on the left rear side of 3513 S. Utah.	Original	1943	90	14	84%	\$1,560	\$1,317	2032	RL	2007	50	38	24%	\$17,207	\$4,130	\$18,767	\$5,447	\$361
9	3525-3533	25	176	6	1		Original	1943	90	14	84%	\$4,875	\$4,117	2032	RP	2001	50	32	36%	\$26,073	\$9,386	\$30,948	\$13,503	\$576
9	3535-3549	20	50	6	1	In November 2018, after sewer blockage, Dwyer: (1)	Relined	2019	90	90	0%	\$3,900	\$0	2108	RP	2001	50	32	36%	\$11,177	\$4,024	\$15,077	\$4,024	\$267
						installed a second outside clean-out allowing snaking toward the building; and, as part of this job, (2) replaced a section of pipe running from the new exterior clean-out to its connection with the lateral running out from under the slab and toward the street. In early 2019, after continuing problems, Dwyer re-lined the aforementioned lateral.						V-,								, , , , , , , , , , , , , , , , , , ,	,,	****	,,,	
10	4301-4309	20	60	6	1	\$33,650	Original	1943	90	14	84%	\$3,900	\$3,293	2032	RP	2009	50	40	20%	\$36,129	\$7,226	\$40,029	\$10,519	\$766
10	4311-4321	20	200	6	1	Replaced 6" terra cotta line between (a) the connection	Original	1943	90	14	84%	\$3,900	\$3,293	2032	RP	2007	50	38	24%	\$28,911	\$6,939	\$32,811	\$10,232	\$622
						with the line under the unit and (b) the county connection in the middle of S.36. No replacement of the line under the building, but minor digging (a) to eliminate out-of-code link between interior storm drain and sewer and (b) add sump pump with link to court drain basin. This long lateral has 2 clean-outs: one close to the building in a patio; and another off the corner of 4301 S. 36th. Cost of 2007 Work by JED = \$45,450	Ü					V-,	**,***							, , , , , ,	,,,	,	****	
10	4323-4343	20	138	6	1	Problems found by 2007 camera inspection. Snaked by Dwyer in 2009. Snaking or root destroyer 2X/year.	Original	1943	90	14	84%	\$3,900	\$3,293	2032	RL	2004	50	35	30%	\$21,581	\$6,474	\$25,481	\$9,768	\$475
11	3588-3598	20	57	6	1	Exterior clean-out at 3592, where the lateral enters that	Reline	2009	50	40	20%	\$3,900	\$780	2058	RL	2007	50	38	24%	\$12,005	\$2,881	\$15,905	\$3,661	\$318
				-		unit and then enters low basement of 3594. Interior clean out under basement stairs of 3592. Continuing problems. Belly requiring camera 2X/year.	,					*-,	****							, ,	, 2, 2 1	¥ 12,222	*-,	,
11	4201-4209	20	118	4	1	Tree roots at junction with county line. Snaked by county and Glen in 2007.	Original	1943	90	14	84%	\$3,900	\$3,293	2032	RP	1983	50	14	72%	\$22,387	\$16,119	\$26,287	\$19,412	\$491
11	4215-4223	20	115	6	1		Original	1943	90	14	84%	\$3,900	\$3,293	2032	RL	2007	50	38	24%	\$18,862	\$4,527	\$22,762	\$7,820	\$421
11	4227-4237	20	64	6	1		Original	1943	90	14	84%	\$3,900	\$3,293	2032	RL	2007	50	38	24%	\$12,833	\$3,080	\$16,733	\$6,373	\$300
12	3548-3562	20	45	6	1		Original	1943	95	19	80%	\$3,900	\$3,120	2037	RP	2000	50	31	38%	\$10,586	\$4,023	\$14,486	\$7,143	\$253
12	3564-3574	20	215	6	1		Original	1943	95	19	80%	\$3,900	\$3,120	2037	RP	2000	50	31	38%	\$30,684	\$11,660	\$34,584	\$14,780	\$655
12	3576-3584	20	80	6	1	Inside clean-out tiled over. Backflow blocker installed in	Original	1943	95	19	80%	\$3,900	\$3,120	2037	RL	2003	50	34	32%	\$14,724	\$4,712	\$18,624	\$7,832	\$336
12	33, 3 300 1	20	50	J		bathroom drain, which prevents snaking.	Singiliai		00	10	20 /0	ψ0,000	Ψ5,120	2001	112	2000	30	01	0L /0	Ψ ι ι,ι ⊑ ι	Ψ 1,7 12	♥ 10,0L 1	Ψ1,002	ΨΟΟΟ
						baan com aram, winon provonto onaling.	1							Ш										

Appendix A4 - Supporting Estimate for Sewer Full Funding Amount (2.1)

\$118 Outside Relining Cost Per Foot (6" diameter)

\$145 Outside Relining Cost Per Foot (4" diameter)

\$195 Inside Relining Cost Per Foot (4" diameter)

\$5,266 Average excavation cost

SEWER LATERALS									Insid	e Section							Outside Sec	ction				Total	
13 3512-3522		20	150	6	1 This line connects with the line exiting from the rear of a nearby building rear of the one from Ct. 14. The outside clean-out is in the patio of this unit.	Original	1943	95	19	80%	\$3,900	\$3,120	2037	RP	2002	50	33	34%	\$23,000	\$7,820	\$26,900	\$10,940	\$50 ⁻
13 3524-3532	<u> </u>	20	185	6	1	Original	1943	95	19	80%	\$3,900	\$3,120	2037	RL	2004	50	35	30%	\$27,137	\$8,141	\$31,037	\$11,261	\$58
13 3534-3544	ļ	20	140	6	1 Outside clean-out is in the patio of this unit.	Original	1943	95	19	80%	\$3,900	\$3,120	2037	RP	2000	50	31	38%	\$21,817	\$8,291	\$25,717	\$11,411	\$47
14 4202-4210) + 350(20	22	6	1 This line exits from the rear and connects with a line exiting from the front of a nearby building in Ct. 13. The outside clean-out is in the patio of this unit. After a back-up in April 2017, the line was snaked and videoed: (1) no break; (2) paper towels pulled from line.		1943	95	19	80%	\$3,900	\$3,120	2037	RP	2002	50	33	34%	\$7,867	\$2,675	\$11,767	\$5,795	\$198
14 4216-4218	}	20	75	6	1	Original	1943	95	19	80%	\$3,900	\$3,120	2037	RL	2007	50	38	24%	\$14,133	\$3,392	\$18,033	\$6,512	\$32
15 4226-4234		20	50	6	1 Removable tile over the interior clean-out (2007).	Reline	2009	50	40	20%	\$3,900	\$780	2058	RL	2008	50	39	22%	\$11,177	\$2,459	\$15,077	\$3,239	\$302
15 4236-4244	ļ	20	95	6	1	Original	1943	95	19	80%	\$3,900	\$3,120	2037	RL	2008	50	39	22%	\$16,497	\$3,629	\$20,397	\$6,749	\$37
15 4246-4254	ļ	20	75	6	1 Interior clean-out not covered (2007).	Reline	2009	50	40	20%	\$3,900	\$780	2058	RL	2008	50	39	22%	\$14,133	\$3,109	\$18,033	\$3,889	\$36
15 4256-4264	ļ	20	78	6	1	Original	1943	95	19	80%	\$3,900	\$3,120	2037	RL	2008	50	39	22%	\$14,488	\$3,187	\$18,388	\$6,307	\$33
15 4266-4274	ļ	20	91	6	1	Reline	2009	50	40	20%	\$3,900	\$780	2058	RL	2008	50	39	22%	\$16,025	\$3,525	\$19,925	\$4,305	\$39
15 4276-4284	ļ	20	50	6	1 Interior clean-out carpeted-over (2007)	Original	1943	95	19	80%	\$3,900	\$3,120	2037	RL/RP	2003	50	34	32%	\$11,177	\$3,577	\$15,077	\$6,697	\$26
16 4300-4304	ļ	20	61	6	1	Original	1943	95	19	80%	\$3,900	\$3,120	2037	RL	2007	50	38	24%	\$12,478	\$2,995	\$16,378	\$6,115	\$29
16 4310-4320)	20	70	4	1 Interior clean-out filled-in with removable plaster-of-Paris mold and then carpeted-over but still accessible.	Original	1943	95	19	80%	\$3,900	\$3,120	2037	RP	1980	50	11	78%	\$15,423	\$12,030	\$19,323	\$15,150	\$35
Totals (CY \$)	11	172			40						\$228,540	\$173,017							\$884,949	\$255,537	\$1,113,489	\$428,554	\$20,39
Averages								85	19		\$4.081						36	29%	\$15.803		\$19.884	\$7.653	\$364

SEWER CLEANOUTS		
buildings with cleanouts (CY)	40	
buildings without cleanouts	16	
replacement cost per cleanout (CY \$)	3.356	
total replacement cost of all cleanouts (CY \$)	###	
assumed life expectancy for cleanouts	75	
assume existing cleanouts were 20 years old on avera	ge in 2007	
average age of existing cleanouts in current vear	32	
43% accumulated depreciation of existing cleanout	s in current year	
100% equivalent depreciation applied to buildings wi	ithout cleanouts	
59% total percent depreciated	inout orounouto	
3370 total percent depreciated		
31 remaining useful years of life of sewer cleanor	uts	

Contingency Percentage* 20% For the purposes of this study it is assumed that, at a certain percentage of locations, relining of the interior cast iron laterals will not be possible and complete replacement will he necessary Total Lineal Footage of Interior Cast Iron Lateral 1172 Total Lineal Footage Estimated for Complete Replacement 234.4 Additional Unit Cost for Interior Lateral Replacement \$ 325.00 /lf This is an additional unit cost (above and beyond standard relining cost allocated above, which accounts for the difficulty of working within the finished basement and accounting for damage and replacement of certain interior Total Interior Lateral Contingency Allocation \$76,180.00

Appendix A5 - Supporting Estimate for Storm Drainage Full Funding Amount (2.2)

STORM DRAINAGE PIPING

		Size											Repair (air Options		Fı	ully Funded
Court	Туре	(Diameter in Inches)	From	To	Length (ft)	Age (yrs)	Useful Life (yrs)	Remaining Service Life	Percent Deprec.	Inst	allation Cost	R	elining Cost \$2013		Repl. Cost \$2013		Balance
1	Terra Cotta	12"	Parking Lot Catch Basin	Arl. County Main - S. Stafford Street	170	70	,	30	-			\$	23,800.00			\$	16,660.00
1	Corrugated PE	4"	Common Area betweeen 3519B and 3521	French Drain	100	2	20	18	10%	\$	1,138.00			\$	1,500.00	\$	150.00
2	Terra Cotta	12"	Parking Lot Catch Basin	Arl. County Main - S. Stafford Street	154	70	100	30	70%			\$	21,560.00			\$	15,092.00
2	PVC	6"	Tie in with Orangeburg pipe behind 3555 (see below)	Arl. County Catch Basin - S. Stafford Street	70	8	100	92	8%			\$	8,400.00			\$	672.00
2	Orangeburg	6"	Catch Basin behind 3551	Tie in with PVC (see above)	68	70	75	5	93%					\$	8,160.00	\$	7,616.00
9	PVC S&D	6"	Front yard of 3519	Catch Basin behind Court 16	150	5	100				12,000.00			\$	14,861.10		743.06
9	PVC S&D	4"	Misc. downspouts and basins from 3517 to 3525	Main 6" PVC line (see previous)	80	5	100				2,500.00			\$	3,096.06		154.80
9	PVC S&D	3"	Misc. downspouts and basins from 3517 to 3525	4" PVC line (see previous)	36	5	100	95	5%	\$	1,500.00			\$	1,857.64	\$	92.88
10	PVC	6"	Catch Basin at NW corner of parking lot	Catch Basin at NE corner of parking lot	100	3	100	97	3%	\$	16,500.00			\$	17,249.93	\$	517.50
10	Terra Cotta	8"	Catch basin at NE corner of parking lot	Yard Inlet Catch Basin in common area	64	70	100	30	70%			\$	8,000.00			\$	5,600.00
10	Terra Cotta	8"	Yard Inlet Catch Basin in common area	12" Diameter Line from Tot Lot Catch Basin	123	70	100	30	70%			\$	15,375.00			\$	10,762.50
11	Corrugated PE	4"	Trench between Pool Amenities Building and 4223		36	5	20	15	25%					\$	900.00	\$	225.00
11	PVC S&D	4"	Trench between Pool Amenities Building and 4223		70	5	50	45	10%					\$	1,750.00	\$	175.00
11	Terra Cotta	6"	Culvert beneath sidewalk to Swimming Pool entrance		20	70	100	30	70%					\$	1,900.00	\$	1,330.00
12	Terra Cotta	12"	Parking Lot Catch Basin	Arl. County Main - S. Stafford Street	98	70	100	30	70%			\$	13,720.00			\$	9,604.00
13	Terra Cotta	12"	Parking Lot Catch Basin	Arl. County Main - S. Stafford Street	76	70	100	30	70%			\$	10,640.00			\$	7,448.00
14	Terra Cotta	12"	Yard Inlet Catch Basin in common area	Arl. County Main - S. 35th Street	98	70	100	30	70%			\$	13,720.00			\$	9,604.00
						Averages	86	47				\$	115,215.00	\$	51,274.73		
										Y FU	PIPING TOTAL NDED TOTAL I Depreciation				166,489.73	\$	86,446.74 52%

Appendix A5 - Supporting Estimate for Storm Drainage Full Funding Amount (2.2) STORM DRAINAGE STRUCTURES

STOTIM DITAMAGE	SINOCIONES							Repair Option	ne	
0 1	_		Age	Useful Life	J	Percent			epl. Cost	Fully Funded
Court	Type	Location	(yrs)	(yrs)	Service Life	Deprec.	Installation Cost	•	\$2013	Balance
1	Grade Inlet Catch Basin	Back of Parking Lot	70	100	30	70%		\$	5,000.00 \$	·
1	French Drain	Common Area betweeen 3519B and 3521	2			10%	\$ 2,452.00	\$	3,036.62 \$	303.66
2	Grade Inlet Catch Basin	Back of Parking Lot	70	100	30	70%	unknown	\$	5,000.00 \$	3,500.00
2 and 3	Yard Inlet Catch Basin	Common Area between Courts 2 and 3	70	100	30	70%	unknown	\$	5,000.00 \$	3,500.00
9	Miscellaneous PE Catch Basins	Front yards of 3515, 17, 19, 21 and 23	5	20	15	25%	\$ 4,000.00	\$	4,953.70 \$	1,238.43
10	Grade Inlet Catch Basin	NW corner of parking lot	70	100	30	70%	unknown	\$	5,000.00 \$	3,500.00
10	Grade Inlet Catch Basin	NE corner of parking lot	70	100	30	70%	unknown	\$	5,000.00 \$	3,500.00
10	Trench Drain	Along North Side of Parking Lot	3	30	27	10%	\$ 7,500.00	\$	7,840.88 \$	784.09
10	Yard Inlet Catch Basin	Common Area in Center of Court	70			70%	•	\$	5,000.00 \$	
10 and Tot Lot	Yard Inlet Catch Basin	Common Area between Tot Lot, Swings, and Court 10	70	100	30	70%	unknown	\$	5,000.00 \$	3,500.00
9, 15 and Tot Lot	Miscellaneous PE Catch Basins	Common Area between Courts 9 and 15 extending toward Tot Lot	0	20	20	0%	\$ 1,200.00	\$	1,200.00 \$	
11	Miscellaneous PE Catch Basins	Common Area between Court 11 and Pool House	10	20	10	50%	unknown	\$	1,200.00 \$	600.00
12	Grade Inlet Catch Basin	Along North Side of Parking Lot	70	100	30	70%	unknown	\$	5,000.00 \$	3,500.00
13	Grade Inlet Catch Basin	Along North Side of Parking Lot	70	100	30	70%	unknown	\$	5,000.00 \$	3,500.00
13 and 14	Miscellaneous PE Catch Basins	Common Area behind 4216 South 35th Street	0	20	20	0%	\$ 2,000.00	\$	2,000.00 \$	-
13 and 14	Yard Inlet Catch Basin	Common Area behind 4210 South 35th Street	70	100	30	70%	unknown	\$	5,000.00 \$	3,500.00
15 and 16	Miscellaneous PE Catch Basins	Along Fence Line behind 4276-4284 South 35th Street	4	20		20%	unknown	\$	1,500.00 \$	•
16	Yard Inlet Catch Basin	Common Area between/behind 4304 and 4310 South 35th	70 Averages			70%	unknown	\$	5,000.00 \$	3,500.00
			.9				\$	- \$	71,731.19	
						FULL	RUCTURES TOTAL \$ LY FUNDED TOTAL RECIATION TOTAL		71,731.19 \$	5 41,726.17 58%

_	n	2440

										Surface Characteristics										
																	Remain			
				Units												Useful			Fully Funded	Annual
Court Lin		Termination	Length	Serviced	Size	Туре	Age	Condition	PVMT?	%	S/W?	%	LNDSC	%	Est. Repl. Cost		Life	Deprec.	Balance	Deprec. Cost
1 1	Arlington County Main	3501 S. Stafford St.	42 ft	5	?	Copper	45	Unknown	YES	90%	YES	10%	YES YES	90%	\$ 5,100.00	70	25	64% \$	<u> </u>	
1 2	Arlington County Main W1-2	W1-3 & W1-4 3509B S. Stafford St.	210 ft 68 ft	22	?	Copper Copper	45 45	Unknown Unknown	NO NO	0%	NO YES	0% 8%	YES	92%	\$ 37,500.00 \$ 8,200.00	70 70	25 25	64% \$ 64% \$	<u> </u>	
1 4	W1-2	3517A S. Stafford St.	38 ft	6	?	Copper	45	Unknown	NO	0%	YES	15%	YES	85%	\$ 4,600.00	70	25	64% \$		
1 5	W1-2	3523B S. Stafford St.	48 ft	5	?	Copper	45	Unknown	NO	0%	YES	18%	YES	82%	\$ 5,900.00	70	25	64% \$	<u>, </u>	
1 6	W1-2	3529A S. Stafford St.	39 ft	4	?	Copper	45	Unknown	YES	15%	YES	10%	YES	75%	\$ 5,100.00	70	25	64% \$	<u> </u>	•
2 1	Arlington County Main	3537A2 S. Stafford St.	94 ft	9	?	Copper	45	Unknown	NO	0%	YES	12%	YES	88%	\$ 11,400.00	70	25	64% \$	7,328.57	\$ 162.86
2 2	Arlington County Main	3545A2 S. Stafford St.	180 ft	8	?	Copper	45	Unknown	YES	80%	YES	4%	YES	16%	\$ 31,100.00	70	25	64% \$	·	
2 3	Arlington County Main	3551A1 S. Stafford St.	136 ft	9	?	Copper	45	Unknown	NO	0%	YES	18%	YES	82%	\$ 16,700.00	70	25	64% \$		
3 1	Arlington County Main	W3-4 & W3-5	162 ft	27	?	Copper	45	Unknown	YES	85%	NO	0%	YES	, .	\$ 28,400.00	70	25	64% \$	<u> </u>	•
3 2	W3-1 W3-1	3563A1 S. Stafford St.	76 ft	5 3	?	Copper	45	Unknown	YES	70% 30%	YES	5%	YES	25%	\$ 12,600.00	70	25	64% \$	<u> </u>	
3 3	W3-1	3565A S. Stafford St. 3571A2 S. Stafford St.	81 ft 59 ft	8	?	Copper Copper	45 45	Unknown Unknown	YES NO	0%	YES YES	8% 9%	YES YES	62% 91%	\$ 11,400.00 \$ 7,200.00	70 70	25 25	64% \$ 64% \$	· · · · · · · · · · · · · · · · · · ·	· ·
3 5	W3-1	3577A S. Stafford St.	43 ft	5	?	Copper	45	Unknown	NO	0%	YES	15%	YES	85%	\$ 5,300.00	70	25	64% \$	<u>, </u>	
3 6	W3-1	3581A2 S. Stafford St.	42 ft	6	?	Copper	45	Unknown	YES	40%	YES	12%	YES		\$ 6,200.00	70	25	64% \$	<u> </u>	•
4 1	Arlington County Main	4135 S. 36th St.	111 ft	8	?	Copper	45	Unknown	NO	0%	YES	20%	YES	80%	\$ 13,700.00	70	25	64% \$	·	
4 2	Arlington County Main	4123A2 S. 36th St.	200 ft	6	?	Copper	45	Unknown	YES	7%	YES	3%	YES	90%	\$ 25,000.00	70	25	64% \$	· · · · · · · · · · · · · · · · · · ·	
4 3	Arlington County Main	4117 S. 36th St.	226 ft	3	?	Copper	45	Unknown	YES	20%	YES	5%	YES	75%	\$ 30,200.00	70	25	64% \$	· · · · · · · · · · · · · · · · · · ·	
4 4	Arlington County Main		128 ft	6	?	Copper	45	Unknown	NO	0%	YES	8%	YES	92%	\$ 15,500.00	70	25	64% \$		
5 1	Arlington County Main		84 ft	6	?	Copper	45	Unknown	YES	45%	YES	10%	YES	45%	\$ 12,700.00	70	25	64% \$	<u>, </u>	•
5 2	Arlington County Main		127 ft	3	?	Copper	45	Unknown	YES	30%	YES	12%	YES	58%	\$ 17,900.00	70	25	64% \$	<u> </u>	
5 3 5 4	Arlington County Main Arlington County Main		113 ft 32 ft	4	?	Copper Copper	45 45	Unknown Unknown	NO NO	0% 0%	YES YES	10% 15%	YES YES	90% 85%	\$ 13,700.00 \$ 3,900.00	70 70	25 25	64% \$ 64% \$	<u> </u>	•
6 1	Arlington County Main	W6-3 & W6-4	156 ft	24	?	Copper	45	Unknown	YES	95%	NO	0%	YES	5%	\$ 28,400.00	70	25	64% \$	·	
6 2	W6-1	4136 S. 36th St.	73 ft	8	?	Copper	45	Unknown	YES	33%	YES	10%	YES	57%	\$ 10,400.00	70	25	64% \$	· · · · · · · · · · · · · · · · · · ·	
6 3	W6-1	4152 S. 36th St.	57 ft	6	?	Copper	45	Unknown	NO	0%	YES	8%	YES	92%	\$ 6,900.00	70	25	64% \$	· · · · · · · · · · · · · · · · · · ·	•
6 4	W6-1	4164 S. 36th St.	50 ft	7	?	Copper	45	Unknown	NO	0%	YES	12%	YES	88%	\$ 6,100.00	70	25	64% \$	3,921.43	\$ 87.14
6 5	W6-1	4172 S. 36th St.	49 ft	3	?	Copper	45	Unknown	YES	45%	YES	10%	YES	45%	\$ 7,400.00	70	25	64% \$	4,757.14	\$ 105.71
7 1	Arlington County Main	4204A2 S. 36th St.	130 ft	8	?	Copper	45	Unknown	NO	0%	YES	8%	YES	92%	\$ 15,800.00	70	25	64% \$	· · · · · · · · · · · · · · · · · · ·	-
	Arlington County Main		93 ft	8		Copper	45	Unknown	NO	0%	YES	10%	YES	90%		70	25	64% \$		
8 1	Arlington County Main		53 ft			Copper	45	Unknown	NO	0%	YES	15%	YES	85%	\$ 6,500.00	70		64% \$		
8 2 8 3	Arlington County Main	-	198 ft 82 ft		?	Copper	45	Unknown	YES YES	50% 75%	YES YES	3% 8%	YES YES	1 - 11	\$ 30,300.00 \$ 13,900.00	70 70	25 25	64% \$ 64% \$	· · · · · · · · · · · · · · · · · · ·	
9 1	Arlington County Main Arlington County Main	3619 S. Taylor St. 3517 S. Utah St.	105 ft	6	?	Copper	45 45	Unknown Unknown	NO	0%	YES	8%	YES		\$ 13,900.00 \$ 12,700.00	70	25	64% \$		
9 2	Arlington County Main		183 ft	8	?	Copper Copper	45	Unknown	YES	50%	YES	25%	YES	25%	\$ 28,600.00	70	25	64% \$	<u> </u>	
9 3	Arlington County Main		147 ft	8	?	Copper	45	Unknown	YES	55%	YES	15%	YES	30%		70	25	64% \$		
10 1	Arlington County Main	4305 S. 36th St.	98 ft		?	Copper	45	Unknown	NO	0%	YES	15%	YES	85%	\$ 12,000.00	70	25	64% \$	<u> </u>	
10 2	Arlington County Main	4317A1 S 36th St.	228 ft	9	?	Copper	45	Unknown	YES	40%	YES	6%	YES	54%	\$ 33,500.00	70	25	64% \$	· · · · · · · · · · · · · · · · · · ·	
10 3	Arlington County Main	4333 S. 36th St.	142 ft	11	?	Copper	45	Unknown	YES	55%	YES	8%	YES	37%	\$ 22,300.00	70	25	64% \$	14,335.71	\$ 318.57
11 1	Arlington County Main	3596 S. Stafford St.	37 ft	6	?	Copper	45	Unknown	NO	0%	YES	12%	YES		\$ 4,500.00	70	25	64% \$	· · · · · · · · · · · · · · · · · · ·	
11 2	Arlington County Main		107 ft	5	?	Copper	45	Unknown	YES	44%	YES	13%	YES	43%	\$ 16,100.00	70	25	64% \$	<u> </u>	
11 3	Arlington County Main		109 ft	5	?	Copper	45	Unknown	YES	45%	YES	13%	YES		\$ 16,500.00	70	25	64% \$		
11 4	Arlington County Main	4233 S. 36th St.	40 ft	6	?	Copper	45	Unknown	NO	0%	YES	20%	YES	80%	\$ 4,900.00	70	25	64% \$	3,150.00	\$ 70.00

									Surface Characteristics											
																	Remain			
0	Otaniin Daini	T		Units	0:	T	A	0	DVMTO	0/	0.440	0/	LNDOO	0/	Fat David Oaat	Useful	. Useful	Percent	Fully Funded	Annual
Court Lin	e Starting Point	Termination	Length	Serviced	Size	Туре	Age	Condition	PVMT?	%	S/W?	%	LNDSC	%	Est. Repl. Cost	Life	Life	Deprec.	Balance	Deprec. Cost
12 1	Arlington County Main	3556 S. Stafford St.	145 ft	8	?	Copper	45	Unknown	YES	60%	YES	5%	YES	35%	\$ 23,200.00	70	25	64%	\$ 14,914.29	\$ 331.43
12 2	Arlington County Main	3570A2 S. Stafford St.	190 ft	9	?	Copper	45	Unknown	YES	70%	YES	3%	YES	27%	\$ 31,500.00	70	25	64%	\$ 20,250.00	\$ 450.00
12 3	Arlington County Main	3582 S. Stafford St.	99 ft	5	?	Copper	45	Unknown	YES	35%	YES	6%	YES	59%	\$ 14,200.00	70	25	64%	\$ 9,128.57	\$ 202.86
13 1	Arlington County Main	3520A2 S. Stafford St.	150 ft	9	?	Copper	45	Unknown	YES	45%	YES	6%	YES	49%	\$ 22,500.00	70	25	64%	\$ 14,464.29	\$ 321.43
13 2	Arlington County Main	3528 S. Stafford St.	175 ft	5	?	Copper	45	Unknown	YES	76%	YES	5%	YES	19%	\$ 29,800.00	70	25	64%	\$ 19,157.14	\$ 425.71
13 3	Arlington County Main	3536A1 S. Stafford St.	142 ft	9	?	Copper	45	Unknown	YES	50%	YES	4%	YES	46%	\$ 21,700.00	70	25	64%	\$ 13,950.00	\$ 310.00
14 1	Arlington County Main	4204 S. 35th St.	40 ft	6	?	Copper	45	Unknown	NO	0%	YES	10%	YES	90%	\$ 4,900.00	70	25	64%	\$ 3,150.00	\$ 70.00
14 2	Arlington County Main	4218A1 S. 35th St.	39 ft	8	?	Copper	45	Unknown	YES	75%	YES	12%	YES	13%	\$ 6,700.00	70	25	64%	\$ 4,307.14	\$ 95.71
15 1	Arlington County Main	W15-4 & W15-5	222 ft	36	?	Copper	45	Unknown	YES	83%	YES	2%	YES	15%	\$ 38,700.00	70	25	64%	\$ 24,878.57	\$ 552.86
15 2	W15-1	4230 S. 35th St.	49 ft	5	?	Copper	45	Unknown	YES	55%	YES	9%	YES	36%	\$ 7,700.00	70	25	64%	\$ 4,950.00	\$ 110.00
15 3	W15-1	4240A2 S. 35th St.	95 ft	8	?	Copper	45	Unknown	NO	0%	YES	10%	YES	90%	\$ 11,500.00	70	25	64%	\$ 7,392.86	\$ 164.29
15 4	W15-1	4250 S. 35th St.	85 ft	5	?	Copper	45	Unknown	NO	0%	YES	5%	YES	95%	\$ 10,300.00	70	25	64%	\$ 6,621.43	\$ 147.14
15 5	W15-1	4260 S. 35th St.	102 ft	5	?	Copper	45	Unknown	NO	0%	YES	10%	YES	90%	\$ 12,400.00	70	25	64%	\$ 7,971.43	\$ 177.14
15 6	W15-1	4270A2 S. 35th St.	103 ft	8	?	Copper	45	Unknown	YES	20%	YES	9%	YES	71%	\$ 13,800.00	70	25	64%	\$ 8,871.43	\$ 197.14
15 7	W15-1	4280 S. 35th St.	53 ft	5	?	Copper	45	Unknown	YES	65%	YES	8%	YES	27%	\$ 8,700.00	70	25	64%	\$ 5,592.86	\$ 124.29
16 1	Arlington County Main	4300A2 S. 35th St.	40 ft	6	?	Copper	45	Unknown	YES	70%	YES	10%	YES	20%	\$ 6,700.00	70	25	64%	\$ 4,307.14	\$ 95.71
16 2	Arlington County Main	4314 S. 35th St.	40 ft	6	?	Copper	45	Unknown	YES	35%	YES	10%	YES	55%	\$ 5,800.00	70	25	64%	\$ 3,728.57	\$ 82.86

TOTALS \$ 910,700.00 70 25 64.29% \$ 585,450.00 \$ 13,010.00

Appendix A7 - Supporting Estimate for Fencing Full Funding Amount (3.3)

Location	LF of Wood Fence			f Chain Fence	LF of Link Perim Fence	ieter	LF of C Link Fe (3')		of ninum cing - 6'	S	F of Vinyl plit Rail encing	S	F of Wood Split Rail Tencing	R	Vrought Iron Railings (per Section)			Totals per Location
Court 1		1081		0		0		0	0		0			0	, 0	9		34,894.62
Court 2		874		0		0		0	0		0			0	0	\$		28,219.20
Court 3		951		0		0		0	0)	0)		0	3	\$		31,419.88
Court 4		894		0		0		0	0)	300)		0	1	\$		37,344.09
Court 5		653		0		0		0	0)	0)		0	12	\$		23,941.91
Court 6		989	1	0		0		0	0)	0)		0	4	\$	3	32,884.99
Court 7		525		0		0		0	0)	0)		0	4	\$	3	17,903.63
Court 8		604		0		0		0	0)	0)		0	6	\$	3	20,930.71
Court 9		848		0		0		0	0)	0)		0	2	\$	3	27,856.09
Court 10		939		0		0		0	0)	0)		0	2	\$	3	30,778.11
Court 11		910		0		0		0	0)	0)		0	0	\$	3	29,365.40
Court 12		843		0		0		0	0)	0)		0	5	\$	3	28,409.21
Court 13		844		0		0		0	0)	0)	1	6	0	\$	3	27,487.70
Court 14		486		0		0		0	0)	0)		0	0	\$	3	15,691.68
Court 15		1364		0		0		0	0)	0)		0	1	\$		44,278.21
Court 16		445		0		0		0	0)	0)		0	0	\$	3	14,359.83
Triple Tennis Court		0		525		0		0	0)	0)		0	0	\$	3	22,230.68
Single Tennis Court		0		350		0		0	0)	0)		0	0	\$	3	14,820.45
Swimming Pool		0	1	0		0		0	400)	0)		0	0	\$	3	43,550.99
Tot Lot		0	1	0		0		0	0)	0)	2	0	0	\$	3	296.41
Pickle Ball Court		0		195		0		0	0)	0)		0	0	\$	3	8,257.11
Basketball Court		0		0				80	0)	0)		0	0	\$	3	1,397.36
Perimeter Fencing						2200										\$	3	69,867.84
Total		13248	}	1070		2200		80	400)	300)	3	6	40	Ş	6	606,186.08
	1																	<u> </u>
Unit Replacement Cost (Previous CRS - 2013\$)	\$	30.50	\$	40.00	\$	30.00	\$	16.50	\$ 80.00	(\$ 26.00		\$ 14.00) ;	\$ 225.00			
Unit Replacement Cost (Current Year - 2018\$)	\$	32.29	\$	42.34	\$	31.76	\$	17.47	\$ 108.88	5	\$ 27.52	(\$ 14.82		\$ 238.19			
Replacement Cost (Current Year)	\$	427,744	\$	45,308	\$	69,868	\$	1,397	\$ 43,551	5	8,257	,	\$ 534	. (\$ 9,527			

Appendix A8 - Supporting Estimate for Exterior Lighting Full Funding Amount (3.4)

¹Not Common Elements (Excluded from Summary Table Calculations)

NOT COMMON Elemen	ito (L	Xoludod II olili	Oui	minuty rubio	rriage Lights															
					New				Exterior			Sconce	Lights	Er	ntry Soffit	Eı	ntry Soffit	\$	Totals per	Location
					Concrete			(Conductor/	Ca	mmercial	at R	ear	Fi	xtures at		tures at B	7	(excludin	
Location		Fixtures		Poles	Mountings	Phot	ocells	C	Conduit (If)	P	ole Lights	Entri	ies ¹	no	n-B Units ¹		Units		common el	ements)
Court 1		12		12	12		1		500		0		24		25		1	9	\$ 3	3,050.00
Court 2		9		9	9		1		450		0		20		14		3	9	\$ 2	2,675.00
Court 3		11		11	11		1		500		0		21		15		3	9	\$ 3	3,125.00
Court 4		18		18	18		1		800		0		21		19		1	9	\$ 4	1,400.00
Court 5		10		10	10		1		425		0		15		13		1	9	\$ 2	2,600.00
Court 6		11		11	11		1		600		0		24		24		0	9	\$ 2	2,675.00
Court 7		6		6	6		1		500		0		13		4		3	5	\$ 2	2,000.00
Court 8		11		11	11		1		500		0		14		12			9		2,825.00
Court 9		10		10	10		1		500		0		20		18			9		2,600.00
Court 10		13		13	13		1		550		0		23		21			9		3,275.00
Court 11		13		13	13		1		700		0		22		22			5		3,125.00
Court 12		12		12	12		1		400		0		20		18			9		3,050.00
Court 13		11		11	11		1		500		0		19		15					2,975.00
Court 14		6		6	6		1		350		0		10		6					1,850.00
Court 15		17		17	17		1		800		0		32		28			9		1,325.00
Court 16		6		6	6		1		350		0		10		8			9		1,700.00
Triple Tennis Court		0		0	0		0				0		0		0			9		-
Single Tennis Court		0		0	0		0				0		0		0			9		-
Swimming Pool		10		10	10		1		500		13		0		0			9		2,850.00
Tot Lot		6		6	6		1		300		0		0		0			9		1,550.00
Paddle Ball Court		0		0	0		0				0		0		0			9		-
Basketball Court		0		0	0		0				0		0		0		0	5	\$	-
Total		192		192	192		18		9225		13		308		262		23	5	60	0,650.00
Unit Estimated Replacement Cost (Current Year)	\$	225.00	\$	205.00	\$ 105.00	\$	200.00	\$	12.50	\$	800.00	\$	50.00	\$	95.00	\$	150.00			
Replacement Cost (Current Year)	\$	43,200.00	\$	39,360.00	\$ 20,160.00	\$ 3	3,600.00	\$	115,312.50	\$	10,400.00	\$ 15,4	00.00	\$ 2	24,890.00	\$	3,450.00			

REPL \$ 106,320.00

Appendix A9 - REVISED Supporting Estimate for Swimming Pool Full Funding Amount (4.1)

POOL ELEMENTS	Qty	Unit	Installation Year	Age (yrs)	 stimated Unit Repl. Cost		Est. Rep (in \$2		Useful Life (yrs)	Useful	Percent Deprec.	illy Funded Balance	Annual preciation
					(in \$2018)					Life (yrs)			
4.1.1 Main Swimming Pool													
4.1.1.1 Whitecoat "Plaster"	3930	sf	2015		\$	/ sf	<u> </u>	800.00	7	4	42.9%	 5,910.00	\$ 1,970.00
4.1.1.2 Coping Stone	260	lf	1997	21		/ If	<u> </u>	500.00	30	9	70.0%	 13,650.00	\$ 650.00
4.1.1.3 Perimeter Tile	250	lf	2015		\$	/ If		300.00	14	11	21.4%	 2,420.00	\$ 810.00
4.1.1.4 Transition Tile	60	lf	2015		\$	/ If	<u> </u>	700.00	14	11	21.4%	 580.00	\$ 190.00
4.1.1.5 Main Pool Cover	3100	sf	2017	-	\$,	<u> </u>	100.00	18	17	5.6%	 510.00	\$ 510.00
4.1.1.6 Main Pool Beam/Structure Repair	1	LS	2009		\$ 	/ LS	<u> </u>	000.00	20	11	45.0%	 11,250.00	\$ 1,250.00
4.1.1.7 Main Pool Structure Replacement	1	LS	1974	44	\$ 250,000.00	/ LS	\$ 250,0	00.00	60	16	73.3%	\$ 183,330.00	\$ 4,170.00
4.1.2 Main Swimming Pool Equipment													
4.1.2.1 Main Pool Skimmers	9	ea	2009	9	\$ 1,500.00	/ ea	\$ 13,5	500.00	18	9	50.0%	\$ 6,750.00	\$ 750.00
4.1.2.2 Main Pool Filters (Cartridge Style)	3	ea	2009	9	\$ 4,250.00	/ ea	\$ 12,8	800.00	12	3	75.0%	\$ 9,600.00	\$ 1,070.00
4.1.2.3 Main Pool Pump (Heavy Duty-Brass)	1	ea	2009	9	\$ 10,000.00	/ ea	\$ 10,0	00.00	25	16	36.0%	\$ 3,600.00	\$ 400.00
4.1.3 Wading "Baby" Pool													
4.1.3.1 Whitecoat "Plaster"	340	sf	2014	4	\$ 10.75	/ sf	\$ 3,7	700.00	7	3	57.1%	\$ 2,110.00	\$ 530.00
4.1.3.2 Coping Stone	66	lf	2014	4	\$ 75.00	/ If		00.00	30	26	13.3%	\$ 670.00	\$ 170.00
4.1.3.3 Perimeter Tile	57	lf	2014	4	\$ 55.00	/ If	\$ 3,1	100.00	15	11	26.7%	\$ 830.00	\$ 210.00
4.1.3.4 Baby Pool Cover	390	sf	2017	1	\$ 3.25	/ sf	\$ 1,8	300.00	18	17	5.6%	\$ 70.00	\$ 70.00
4.1.4 Wading "Baby" Pool Equipment													
4.1.4.1 Wading Pool Skimmers	1	ea	2009	9	\$ 1,500.00	/ ea	\$ 1,5	500.00	20	11	45.0%	\$ 680.00	\$ 80.00
4.1.4.2 Wading Pool Filter (Cartridge Style)	1	ea	2009	9	\$ 2,500.00	/ ea	\$ 2,5	500.00	15	6	60.0%	\$ 1,500.00	\$ 170.00
4.1.1.3 Wading Pool Pump (Plastic)	1	ea	2009	9	\$ 1,500.00	/ ea	\$ 1,5	500.00	12	3	75.0%	\$ 1,130.00	\$ 130.00
4.1.5 Pool Deck													
4.1.5.1 Repair Pool Deck (7.5%)	485	sf	2017	1	\$ 32.00	/ sf	\$ 15,5	500.00	5	4	20.0%	\$ 3.100.00	\$ 3.100.00
4.1.5.2 Replace Pool Deck	6465	sf	1974	44	\$ 14.50			700.00	50	6	88.0%	\$ 82,460.00	\$ 1,870.00
4.1.6 Pool Accessories/Furniture													
4.1.6.1 Replace Lifeguard Chairs	2	ea	2006	12	\$ 2,500.00	/ ea	\$ 5,0	00.00	20	8	60.0%	\$ 3,000.00	\$ 250.00
4.1.6.2 Replace Large Canvas Awning	1	ea	2005	13	\$ 4,500.00	/ ea	\$ 4,5	500.00	15	2	86.7%	\$ 3,900.00	\$ 300.00
4.1.6.3 Replace Small Canvas Awning	1	ea	2010	8	\$ 3,500.00	/ ea	\$ 3,5	500.00	15	7	53.3%	\$ 1,870.00	\$ 230.00
4.1.6.4 Replace Pool Furniture	1	ea	2017	1	\$	/ ea		000.00	8	7	12.5%	\$ 1,250.00	\$ 1,250.00
4.1.6.5 Replace Dri-Dek Matting @Bathhouse	312	sf	2015	3	\$,		<u> </u>	900.00	5	2	60.0%	 1,140.00	 380.00

CY: 2019 Cost/sq. ft.: \$26.82

											Cost/sq. ft.:	\$26.82
											Fully	
				Year Last	Year to be			Percent		Est.	Funded	
			Number	Replaced		Useful	Remaining			Replacement		Depreciation
Court	Building	Notes	of Roofs		(Planned)		Useful Life	(CY)	(sq ft)	-	(CY)	Cost (CY)
1	3501-3503 S Stafford St	Vermont	1.00	2010	2110	100	91	9%	3,200	\$85,834	\$7,725	\$858
1	3507-3513 S Stafford St	Vermont	1.00	1943	2038	95		80%	4,800	\$128,751	\$103,001	\$1,355
1	3515-3519 S Stafford St	Vermont	1.00	2006	2106	100	87	13%	6,000	\$160,939	\$20,922	\$1,609
1	3521-3525 S Stafford St	Vermont	1.00	1943	2038	95	19	80%	3,500	\$93,881	\$75,105	\$988
1	3527-3529 S Stafford St	Vermont	1.00	2005	2105	100	86	14%	4,000	\$107,293	\$15,021	\$1,073
2	3535-3541B S Stafford St	Vermont	0.50	2013	2113	100	94	6%	3,400	\$91,199	\$5,472	\$912
2	3535-3541F S Stafford St	Vermont	0.50	2013	2113	100		6%	3,400	\$91,199	\$5,472	
2	3543-3547 S Stafford St	Vermont	1.00	1943	2039	96		79%	5,500	\$147,527	\$116,792	
	3549-3555B S Stafford St	Vermont	0.50	2013	2113	100		6%	3,800	\$101,928	\$6,116	\$1,019
2	3549-3555F S Stafford St	Vermont	0.50	2013	2113	100	94	6%	3,800	\$101,928	\$6,116	\$1,019
3	3561-3563 S Stafford St	Vermont	1.00	2014	2114	100	95	5%	3,200	\$85,834	\$4,292	\$858
3	3565-3567 S Stafford St	Vermont	1.00	2007	2107	100		12%	3,000	\$80,469	\$9,656	\$805
	3569-3573 S Stafford St	Vermont	1.00	1943	2039	96		79%	4,800	\$128,751	\$101,928	\$1,341
3	3575-3579B S Stafford St	Vermont	0.50	2002	2102	100		17%	1,900	\$50,964	\$8,664	\$510
3	3575-3579F S Stafford St	Vermont	0.50	2014	2114	100		5%	1,900	\$50,964	\$2,548	\$510
3	3581-3585B S Stafford St	Vermont	0.50	2004	2104	100		15%	2,300	\$61,693	\$9,254	\$617
3	3581-3585F S Stafford St	Vermont	0.50	2004	2104	100	85	15%	2,300	\$61,693	\$9,254	\$617
4	4101-4111 S 36th St	Vermont	1.00	1943	2040	97	21	78%	3,700	\$99,246	\$77,759	\$1,023
4	4113-4117Bt S 36th St	Vermont	0.50	2011	2111	100		8%	1,400	\$37,552	\$3,004	\$376
4	4113-4117To S 36th St	Vermont	0.50	1996	2096	100		23%	1,800	\$48,282	\$11,105	\$483
4	4123B S 36th St	Vermont	0.30	1996	2096	100		23%	1,230	\$32,992	\$7,588	\$330
4	4119/21 + 4123F S 36th St	Vermont	0.70	2012	2112	100		7%	2,870	\$76,982	\$5,389	\$770
4	4125-4139 S 36th St	Vermont	1.00	1943	2040	97	21	78%	6,000	\$160,939	\$126,096	\$1,659
5	4118 S 36th St	Vermont	1.00	2012	2112	100		7%	4,400	\$118,022	\$8,262	\$1,180
5	4100-4110 S 36th St	Buckingham	1.00	1943	2063	120		63%	3,700	\$99,246	\$62,856	\$827
5	4112-4116B S 36th St	Vermont	0.50	2012	2112	100		7%	2,200	\$59,011	\$4,131	\$590
5	4112-4116F S 36th St	Vermont	0.50	2012	2112	100		7%	2,200	\$59,011	\$4,131	\$590
5	4122-4128 S 36th St	Vermont	1.00	2003	2103	100	84	16%	4,400	\$118,022	\$18,883	\$1,180
6	4130-4144 S 36th St	Vermont	1.00	1943	2041	98	22	78%	6,000	\$160,939	\$124,810	\$1,642
6	4146-4156 S 36th St	Vermont	1.00	1943	2041	98		78%	3,600	\$96,563	\$74,886	\$985
6	4158-4170 S 36th St	Vermont	1.00	1943	2042	99	23	77%	4,500	\$120,704	\$92,662	
6	4172-4176 S 36th St	Vermont	1.00	1943	2042	99		77%	3,000	\$80,469	\$61,774	\$813
7	4200-4208B S 36th St	Vermont	0.50	2003	2103	100		16%	3,350	\$89,857	\$14,377	\$899
7	4200-4208F S 36th St	Vermont	0.50	2011	2111	100		8%	3,350	\$89,857	\$7,189	\$899
7	4210-4212B S 36th St	Vermont	0.50	2011	2111	100		8%	2,500	\$67,058	\$5,365	\$671
7	4210-4212F S 36th St	Vermont	0.50	1998	2098	100		21%	2,500	\$67,058	\$14,082	\$671
8	3601-3609B S Taylor St	Vermont	0.50	2017	2117	100		2%	2,000	\$53,646	\$1,073	
.8	3601-3609F S Taylor St	Vermont		2000	2100	100		19%		\$53,646	\$10,193	\$536
8	3611-3613 S Taylor St	Vermont	1.00	2003	2103	100		16%		\$85,834	\$13,733	
8	3615-3625 S Taylor St	Vermont	1.00	2006	2106	100		13%	3,600	\$96,563	\$12,553	
9	3513-3523 S Utah Street	Buckingham	1.00	1943	2063	120		63%	4,400	\$118,022	\$74,747	
9	3525-3533B S Utah Street	Vermont		1999	2099	100		20%	2,900	\$77,787	\$15,557	\$778
9	3525-3533F S Utah Street	Vermont	0.50	2015	2115	100		4%	2,900	\$77,787	\$3,111	\$778
9	3535-3549B S Utah Street	Vermont	0.50	2001	2101	100		18%	3,900	\$104,610	\$18,830	
9	3535-3549F S Utah Street	Vermont	0.50	2015	2115	100		4%	3,900	\$104,610	\$4,184	
10	4301-4309B S 36th St	Vermont	0.50	2003	2103	100		16%	2,000	\$53,646	\$8,583	
10	4301-4309F S 36th St	Vermont	0.50	2015	2115	100		4%	2,000	\$53,646	\$2,146	
10	4311-4321 S 36th St	Vermont	1.00	1943	2043	100		76%	5,600	\$150,210	\$114,159	
10	4323-4343B S 36th St	Vermont		2015	2115	100		4%	4,300	\$115,339	\$4,614	\$1,153
10	4323-4343F S 36th St	Vermont		2000	2100	100		19%	4,300	\$115,339	\$21,914	\$1,153
11	3588-3598 S Stafford St	Vermont	1.00	1943	2044	101	25	75%	4,400	\$118,022	\$88,808	\$1,169
11	4201-4209 S 36th St	Vermont	1.00	1943	2044	101	25	75%	4,000	\$107,293	\$80,735	
11	4215-4223 S 36th St	Vermont	1.00	1943	2045	102		75%	3,500	\$93,881	\$69,951	\$920
11	4227-4237 S 36th St	Vermont	1.00	1943	2045	102		75%	5,200	\$139,480	\$103,926	\$1,367
11	Pool House	Vermont	1.00	2009	2109	100	90	10%	3,000	\$80,469	\$8,047	\$805

Avg. Per Building Avg. Per Square Foot

прроп	uix A 10 - oupporting Estimate for	Tiooning I	un run	anny zimio	, unit (011)						Cost/sq. ft.:	\$26.82
Court	Building	Notes	Number of Roofs	Replaced	Year to be Replaced (Planned)		Remaining Useful Life	Percent Depreciated (CY)		Est. Replacement Cost (CY \$)	Fully Funded Balance (CY)	Annual Depreciation Cost (CY)
12	3548-3562 S Stafford St	Buckingham	1.00	1943	2063	120	44	63%	7,000	\$187,762	\$118,916	\$1,565
12	3564-3574B S Stafford St	Vermont	0.50	2017	2117	100	98	2%	3,500	\$93,881	\$1,878	\$939
12	3564-3574F S Stafford St	Vermont	0.50	1997	2097	100	78	22%	3,500	\$93,881	\$20,654	\$939
12	3576-3584B S Stafford St	Vermont	0.50	1998	2098	100	79	21%	1,900	\$50,964	\$10,702	\$510
12	3576-3584F S Stafford St	Vermont	0.50	2017	2117	100	98	2%	1,900	\$50,964	\$1,019	\$510
13	3512-3522B S Stafford St	Vermont	0.50	2018	2118	100	99	1%	2,800	\$75,105	\$751	\$751
13	3512-3522F S Stafford St	Vermont	0.50	1995	2095	100	76	24%	2,800	\$75,105	\$18,025	\$751
13	3524-3532 S Stafford St	Vermont	1.00	2010	2110	100	91	9%	4,000	\$107,293	\$9,656	\$1,073
13	3534-3544B S Stafford St	Vermont	0.50	1998	2098	100	79	21%	3,500	\$93,881	\$19,715	\$939
13	3534-3544F S Stafford St	Vermont	0.50	2018	2118	100	99	1%	3,500	\$93,881	\$939	\$939
14	4204-4210B S Stafford St	Vermont	0.32	2004	2104	100	85	15%	1,280	\$34,334	\$5,150	\$343
14	4202B S 35th + 3500B S Stafford St	Vermont	0.16	1996	2096	100	77	23%	640	\$17,167	\$3,948	\$172
14	4202-4210F S 35th + 3500F S Stafford S	Vermont	0.52	2014	2114	100	95	5%	2,080	\$55,792	\$2,790	\$558
14	4216-4218 S 35th St	Vermont	1.00	2010	2110	100	91	9%	4,000	\$107,293	\$9,656	\$1,073
15	4226-4234 S 35th St	Vermont	1.00	2018	2118	100	99	1%	2,200	\$59,011	\$590	\$590
15	4236-4244B S 35th St	Vermont	0.50	1998	2098	100	79	21%	2,700	\$72,422	\$15,209	\$724
15	4236-4244F S 35th St	Vermont	0.50	1943	2046	103	27	74%	2,700	\$72,422	\$53,438	\$703
15	4246-4254B S 35th St	Vermont	0.50	2007	2107	100	88	12%	1,800	\$48,282	\$5,794	\$483
15	4246-4254F S 35th St	Vermont	0.50	2018	2118	100	99	1%	1,800	\$48,282	\$483	\$483
15	4256-4264 S 35th St	Vermont	1.00	2007	2107	100	88	12%	3,600	\$96,563	\$11,588	\$966
15	4266-4270B S 35th St	Vermont	0.35	2018	2118	100	99	1%	1,700	\$45,599	\$456	\$456
15	4266-4274F + 4272/4B S 35th St	Vermont	0.65	1999	2099	100	80	20%	3,175	\$85,163	\$17,033	\$852
15	4276-4284 S 35th St	Vermont	1.00	1943	2046	103	27	74%	2,400	\$64,376	\$47,500	\$625
16	4300-4304 S 35th St	Vermont	1.00	1943	2047	104	28	73%	4,000	\$107,293	\$78,406	\$1,032
16	4310-4320 S 35th St	Vermont	1.00	1943	2047	104	28	73%	4,400	\$118,022	\$86,247	\$1,135
Totals			57.00						263,475	\$7,067,224	\$2,429,094	\$70,188

101

66

CY:

\$42,616 \$9.22

4,622

34%

\$123,986 \$26.82 \$1,231

2019

4004 40	10D C Oteffered Ot		1000								
	10B S Stafford St 85B S Stafford St		1280 2300								
	85F S Stafford St		2300								
0001 00		Total SF	5880 sf	Total Cost: \$	112,275.00	Unit Cost: \$	19.09 /sf	Inflation:	1.4207%	Adjusted Unit Cost:	27
5 3527-35	29 S Stafford St		4000								
		Total SF	4000 sf	Total Cost: \$	66,017.00	Unit Cost: \$	16.50 /sf	Inflation:	1.3855%	Adjusted Unit Cost:	22
	19 S Stafford St		6000								
3615-36	25 S Taylor St	Total CF	3600 of	Total Coats	106 E27 70	Unit Coots	10.42 /of	Inflation	1 25120/	Adjusted Unit Coats	26
4050 40	04.0.0511.01	Total SF	9600 sf	Total Cost: \$	186,537.70	Unit Cost: \$	19.43 /sf	Inflation:	1.3512%	Adjusted Unit Cost:	26
	64 S 35th St 67 S Stafford St		3600 3000								
	54B S 35th St		1800								
		Total SF	8400 sf	Total Cost: \$	201,300.00	Unit Cost: \$	23.96 /sf	Inflation:	1.3177%	Adjusted Unit Cost:	31
<mark>1</mark> 4113-41	17Bt S 36th St		1400								
	08F S 36th St		3350								
	12F S 36th St + 4123F S 36th St		2500 2870								
7113/21	1 41201 0 0011 01	Total SF	10120 sf	Total Cost: \$	233,255.00	Unit Cost: \$	23.05 /sf	Inflation:	1.1919%	Adjusted Unit Cost:	27
2 4118 S 3	36th St	_	4400								
4112-41	16B S 36th St		2200								
4112-41	16F S 36th St		2200		100 001 00						
		Total SF	8800 sf	Total Cost: \$	128,221.00	Unit Cost: \$	14.57 /sf	Inflation:	1.1624%	Adjusted Unit Cost:	16
	41B S Stafford St		3400								
	41F S Stafford St 55B S Stafford St		3400 3800								
	55F S Stafford St		3800								
		Total SF	14400 sf	Total Cost: \$	354,172.00	Unit Cost: \$	24.60 /sf	Inflation:	1.1336%	Adjusted Unit Cost:	27
	63 S Stafford St		3200								
	79F S Stafford St 10F S 35th + 3500F S	Ctofford (1900 2080								
4202-42	101 3 3301 + 33001 3	Total SF	7180 sf	Total Cost: \$	164,200.00	Unit Cost: \$	22.87 /sf	Inflation:	1.1055%	Adjusted Unit Cost:	25
5 3525-35	33F S Utah Street		2900		,					•	
3535-35	49F S Utah Street		3900								
	09F S 36th St		2000								
4323-43	43B S 36th St	Total SF	4300 13100 sf	Total Cost: \$	399,997.00	Unit Cost: \$	30.53 /sf	Inflation:	1.0782%	Adjusted Unit Cost:	32
7 2601 26	OOE C Toylor Ct	Total of	2000	Total Oost.	099,997.00	Offic Oost.	731	milation.	1.0702/0	Aujusteu Offit Oost.	UZ
	09F S Taylor St 84F S Stafford St		1900								
	74B S Stafford St		3500								
		Total SF	7400 sf	Total Cost: \$	201,544.00	Unit Cost: \$	27.24 /sf	Inflation:	1.0254%	Adjusted Unit Cost:	27
	44F S Stafford St		3500								
	22B S Stafford St		2800								
	70B S 35th St 54F S 35th St		1700 1800								
	44F S 35th St		2700								
		Total SF	12500 sf	Total Cost: \$	360,052.00	Unit Cost: \$	28.80 /sf	Inflation:	1.0000%	Adjusted Unit Cost:	28.

Appendix A11 - Supporting Estimate for Gable Dormers

CY: 2019 Cost/sq. ft.: \$ 72.50

AU' - D (O	11.3											COST	/sq. ft.:	Þ	72.50
Attic Dormers (Ga	ible)	1													
Court Dormer	Address	Dorme r Type	Slate Type	Condition	Year Last Replaced (actual)	Year to be Replaced (planned)	Useful Life (years)	Remaining Useful Life (years)	Percent Depreciate d (CY)	Dormer Area (ft ²)	 Est. lacemen t Cost (CY \$)		Funded Balance (CY)	Depr	Annual reciation Cost (CY)
1 - 1	Unit 1 3501 B1 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2010	2110	100	91	9%	20	\$ 1,450	\$	131	\$	15
1 - 2	Unit 1 3501 B1 F S. Stafford Street Unit 2 3501 B2 F	Gable	Vermont	Unknown	2010	2110	100	91	9%	20	\$ 1,450	\$	131	\$	15
1 - 3	Unit 1 3501 B2 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2010	2110	100	91	9%	20	\$ 1,450	\$	131	\$	15
1 - 4	Unit 1 3509 B F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
1 - 5	Unit 1 3509 B F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
1 - 6	Unit 1 3517 A F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2006	2106	100	87	13%	20	\$ 1,450	\$	189	\$	15
1 - 7	Unit 1 3517 A F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2006	2106	100	87	13%	20	\$ 1,450	\$	189	\$	15
1 - 8	Unit 1 3517 A B S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2006	2106	100	87	13%	20	\$ 1,450	\$	189	\$	15
1 - 9	Unit 1 3517 A B S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2006	2106	100	87	13%	20	\$ 1,450	\$	189	\$	15
1 - 10	Unit 1 3519 A F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2006	2106	100	87	13%	20	\$ 1,450	\$	189	\$	15
1 - 11	Unit 1 3519 A F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2006	2106	100	87	13%	20	\$ 1,450	\$	189	\$	15
1 - 12	Unit 1 3523 A F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
1 - 13	Unit 1 3523 A F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
2 - 1	Unit 1 3537 B1 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2013	2113	100	94	6%	20	\$ 1,450	\$	87	\$	15
2 - 2	Unit 1 3537 B1 F S. Stafford Street Unit 2 3537 B1 F	Gable	Vermont	Unknown	2013	2113	100	94	6%	20	\$ 1,450	\$	87	\$	15
2 - 3	Unit 1 3537 B2 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2013	2113	100	94	6%	20	\$ 1,450	\$	87	\$	15
2 - 4	Unit 1 3545 B1 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
2 - 5	Unit 1 3545 B1 F S. Stafford Street Unit 2 3545 B2 F	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
2 - 6	Unit 1 3545 B2 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
2 - 7	Unit 1 3551 B1 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2013	2113	100	94	6%	20	\$ 1,450	\$	87	\$	15
2 - 8	Unit 1 3551 B1 F S. Stafford Street Unit 2 3551 B2 F	Gable	Vermont	Unknown	2013	2113	100	94	6%	20	\$ 1,450	\$	87	\$	15
2 - 9	Unit 1 3551 B2 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2013	2113	100	94	6%	20	\$ 1,450	\$	87	\$	15

CY: 2019 Cost/sq. ft.: \$ 72.50

													Cost/sq. ft.	: \$	72.50
Attic Dormers (Gable)													_	
Court Dorme	Address	Dorme r Type	Slate Type	Condition		Year to be Replaced (planned)	Useful Life (years)	Remaining Useful Life (years)	Percent Depreciate d (CY)	Dormer Area (ft²)	Repl	Est. lacemen t Cost (CY \$)		9	Annual preciation Cost (CY)
3 - 1	Unit 1 3563 B1 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2014	2114	100	95	5%	20	\$	1,450	\$ 73	\$	15
3 - 2	Unit 1 3563 B1 F S. Stafford Street Unit 2 3563 B2 F	Gable	Vermont	Unknown	2014	2114	100	95	5%	20	\$	1,450	\$ 73	\$	15
3 - 3	Unit 1 3563 B2 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2014	2114	100	95	5%	20	\$	1,450	\$ 73	\$	15
3 - 4	Unit 1 3571 B1 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$ 1,102	\$	15
3 - 5	Unit 1 3571 B1 F S. Stafford Street Unit 2 3571 B2 F	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$ 1,102	\$	15
3 - 6	Unit 1 3571 B2 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$ 1,102	\$	15
3 - 7	Unit 1 3575 B F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2014	2114	100	95	5%	20	\$	1,450	\$ 73	\$	15
3 - 8	Unit 1 3577 B F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2014	2114	100	95	5%	20	\$	1,450	\$ 73	\$	15
3 - 9	Unit 1 3581 B1 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2004	2104	100	85	15%	20	\$	1,450	\$ 218	\$	15
3 - 10	Unit 1 3581 B1 F S. Stafford Street Unit 2 3581 B2 F	Gable	Vermont	Unknown	2004	2104	100	85	15%	20	\$	1,450	\$ 218	\$	15
3 - 11	Unit 1 3581 B2 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2004	2104	100	85	15%	20	\$	1,450	\$ 218	\$	15
3 - 12	Unit 1 3583 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2004	2104	100	85	15%	20	\$	1,450	\$ 218	\$	15
3 - 13	Unit 1 3585 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2004	2104	100	85	15%	20	\$	1,450	\$ 218	\$	15
4 - 1	Unit 1 4139 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$ 1,102	+-	15
4 - 2	Unit 1 4137 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$ 1,102	\$	15
4 - 3	Unit 1 4135 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$ 1,102	\$	15
4 - 4	Unit 1 4135 F S. 36th Street Unit 2 n/a Unit 1 4135 B S. 36th Street	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$ 1,102	\$	15
4 - 5	Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$ 1,102	\$	15
4 - 6	Unit 1 4135 B S. 36th Street Unit 2 n/a Unit 1 4131 F S. 36th Street	Gable	Vermont	Unknown	1943	2043	100	24	76%	20		1,450	\$ 1,102	\$	15
4 - 7	Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$ 1,102	\$	15
4 - 8	Unit 1 4129 F S. 36th Street Unit 2 n/a Unit 1 4123 B1 F S. 36th Street	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$ 1,102	'	15
4 - 9	Unit 2	Gable	Vermont	Unknown	2012	2112	100	93	7%	20		1,450		1	15
4 - 10	Unit 2 4123 B2 F S. 36th Street Unit 1 4123 B2 F S. 36th Street	Gable	Vermont	Unknown	2012	2112	100	93	7%	20		1,450		-	15
4 - 11	Unit 2	Gable	Vermont	Unknown	2012	2112	100	93	7%	20		1,450			15
4 - 12	Unit 2	Gable	Vermont	Unknown	2012	2112	100	93	7%	20		1,450			15
4 - 13	Unit 2	Gable	Vermont	Unknown	2012	2112	100	93	7%	20		1,450			15
4 - 14	Unit 2	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$ 1,102		15
4 - 15	Unit 2	Gable	Vermont	Unknown	1943	2043	100	24	76%	20		1,450	\$ 1,102	\$	15
4 - 16	Unit 2	Gable	Vermont	Unknown	1943	2043	100	24	76%	20		1,450			15
4 - 17	Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$ 1,102	\$	15

CY: Cost/sq. ft.: \$

Y: 2019

	•											Cos	st/sq. ft.:	\$	72.50
Attic Dormers (Ga	able)							ı							
Court Dormer	Address	Dorme r Type	Slate Type	Condition		Year to be Replaced (planned)	Useful Life (years)	Remaining Useful Life (years)	Percent Depreciate d (CY)	Dormer Area (ft²)	Est. lacemen t Cost (CY \$)		Funded Balance (CY)	Depr	Annual reciation Cost (CY)
5 - 1	Unit 1 4100 F S. 36th Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
5 - 2	Unit 1 4102 F S. 36th Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
5 - 3	Unit 1 4106 F S. 36th Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
5 - 4	Unit 1 4108 F S. 36th Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
6 - 1	Unit 1 4130 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
6 - 2	Unit 1 4132 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
6 - 3	Unit 1 4134 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
6 - 4	Unit 1 4134 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
6 - 5	Unit 1 4134 B S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
6 - 6	Unit 1 4134 B S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
6 - 7	Unit 1 4138 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
6 - 8	Unit 1 4140 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
6 - 9	Unit 1 4164 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
6 - 10	Unit 1 4164 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
7 - 1	Unit 1	Gable	Vermont	Unknown	2011	2111	100	92	8%	20	\$ 1,450	\$	116	\$	15
7 - 2	Unit 1 4204 B1 F S. 36th Street Unit 2 4204 B2 F	Gable	Vermont	Unknown	2011	2111	100	92	8%	20	\$ 1,450	\$	116	\$	15
7 - 3	Unit 1	Gable	Vermont	Unknown	2011	2111	100	92	8%	20	\$ 1,450	\$	116	\$	15
7 - 4	Unit 1 4210 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	2011	2111	100	92	8%	20	\$ 1,450	\$	116	\$	15
7 - 5	Unit 1 4212 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	2011	2111	100	92	8%	20	\$ 1,450	\$	116	\$	15
8 - 1	Unit 1 3603 F S. Taylor Street Unit 2 n/a	Gable	Vermont	Unknown	2000	2100	100	81	19%	20	\$ 1,450	\$	276	\$	15
8 - 2	Unit 1 3605 F S. Taylor Street Unit 2 n/a	Gable	Vermont	Unknown	2000	2100	100	81	19%	20	\$ 1,450	\$	276	\$	15
8 - 3	Unit 1 3607 F S. Taylor Street Unit 2 n/a	Gable	Vermont	Unknown	2000	2100	100	81	19%	20	\$ 1,450	\$	276	\$	15
8 - 4	Unit 1 3611 B1 F S. Taylor Street Unit 2 n/a	Gable	Vermont	Unknown	2003	2103	100	84	16%	20	\$ 1,450	\$	232	\$	15
8 - 5	Unit 1 3611 B1 F S. Taylor Street Unit 2 3611 B2 F	Gable	Vermont	Unknown	2003	2103	100	84	16%	20	\$ 1,450	\$	232	\$	15
8 - 6	Unit 1 3611 B2 F S. Taylor Street Unit 2 n/a	Gable	Vermont	Unknown	2003	2103	100	84	16%	20	\$ 1,450	\$	232	\$	15

CY:

2019

	oupporting Commute for Gubie D												Cos	st/sq. ft.:	\$ 72.50
Attic Dormers (Gable)	1			I										
Court Dorme		Dorme r Type	Slate Type	Condition		Year to be Replaced (planned)	Useful Life (years)	Remaining Useful Life (years)	Percent Depreciate d (CY)	Dormer Area (ft²)	Repl	Est. lacemen t Cost (CY \$)		Funded Balance (CY)	Annual reciation Cost (CY)
9 - 1	Unit 1 3517 F S. Utah Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$	1,102	\$ 15
9 - 2	Unit 1 3517 F S. Utah Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$	1,102	\$ 15
9 - 3	Unit 1 3517 B S. Utah Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$	1,102	\$ 15
9 - 4	Unit 1 3517 B S. Utah Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$	1,102	\$ 15
9 - 5	Unit 1 3521 F S. Utah Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$	1,102	\$ 15
9 - 6	Unit 1 3521 F S. Utah Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$	1,102	\$ 15
9 - 7	Unit 1 3529 B1 F S. Utah Street Unit 2 n/a	Gable	Vermont	Unknown	2015	2115	100	96	4%	20	\$	1,450	\$	58	\$ 15
9 - 8	Unit 1 3529 B1 F S. Utah Street Unit 2 3529 B2 F	Gable	Vermont	Unknown	2015	2115	100	96	4%	20	\$	1,450	\$	58	\$ 15
9 - 9	Unit 1 3529 B2 F S. Utah Street Unit 2 n/a	Gable	Vermont	Unknown	2015	2115	100	96	4%	20	\$	1,450	\$	58	\$ 15
9 - 10	Unit 1 3539 F S. Utah Street Unit 2 n/a	Gable	Vermont	Unknown	2015	2115	100	96	4%	20	\$	1,450	\$	58	\$ 15
9 - 11	Unit 1 3541 F S. Utah Street Unit 2 n/a	Gable	Vermont	Unknown	2015	2115	100	96	4%	20	\$	1,450	\$	58	\$ 15
9 - 12	Unit 1 3545 F S. Utah Street Unit 2 n/a	Gable	Vermont	Unknown	2015	2115	100	96	4%	20	\$	1,450	\$	58	\$ 15
9 - 13	Unit 1 3545 F S. Utah Street Unit 2 n/a	Gable	Vermont	Unknown	2015	2115	100	96	4%	20	\$	1,450	\$	58	\$ 15
9 - 14	Unit 1 3545 B S. Utah Street Unit 2 n/a	Gable	Vermont	Unknown	2001	2101	100	82	18%	20	\$	1,450	\$	261	\$ 15
9 - 15	Unit 1 3545 B S. Utah Street Unit 2 n/a	Gable	Vermont	Unknown	2001	2101	100	82	18%	20	\$	1,450	\$	261	\$ 15
9 - 16	Unit 1 3547 F S. Utah Street Unit 2 n/a	Gable	Vermont	Unknown	2015	2115	100	96	4%	20	\$	1,450	\$	58	\$ 15
9 - 17	Unit 1 3549 F S. Utah Street Unit 2 n/a	Gable	Vermont	Unknown	2015	2115	100	96	4%	20	\$	1,450	\$	58	\$ 15
10 - 1	Unit 1 4339 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	2000	2100	100	81	19%	20	\$	1,450	\$	276	\$ 15
10 - 2	Unit 1 4339 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	2000	2100	100	81	19%	20	\$	1,450	\$	276	\$ 15
10 - 3	Unit 1 4339 B S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	2015	2115	100	96	4%	20	\$	1,450	\$	58	\$ 15
10 - 4	Unit 1 4339 B S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	2015	2115	100	96	4%	20	\$	1,450	\$	58	\$ 15
10 - 5	Unit 1 4335 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	2000	2100	100	81	19%	20	\$	1,450	\$	276	\$ 15
10 - 6	Unit 1 4335 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	2000	2100	100	81	19%	20	\$	1,450	\$	276	\$ 15
10 - 7	Unit 1 4317 B1 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$	1,102	\$ 15
10 - 8	Unit 1 4317 B1 F S. 36th Street Unit 2 4317 B2 F	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$	1,102	\$ 15
10 - 9	Unit 1 4317 B2 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$	1,450	\$	1,102	\$ 15
10 - 10	Unit 1 4307 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	2015	2115	100	96	4%	20	\$	1,450	\$	58	\$ 15
10 - 11	Unit 1 4303 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	2015	2115	100	96	4%	20	\$	1,450	\$	58	\$ 15

CY: 2019 Cost/sq. ft.: \$ 72.50

												Cost	/sq. ft.:	\$ 72.50
Attic Dormers (Ga	able)	I			I							Т		
Court Dormer	Address	Dorme r Type	Slate Type	Condition	Year Last Replaced (actual)	Year to be Replaced (planned)	Useful Life (years)	Remaining Useful Life (years)	Percent Depreciate d (CY)	Dormer Area (ft²)	Est Replacemer t Cos (CY \$	Fully I	Funded Balance (CY)	Annual reciation Cost (CY)
11 - 1	Unit 1 3592 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
11 - 2	Unit 1 3592 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
11 - 3	Unit 1 3592 B S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
11 - 4	Unit 1 3592 B S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
11 - 5	Unit 1 3596 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
11 - 6	Unit 1 3596 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
11 - 7	Unit 1 4203 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
11 - 8	Unit 1 4205 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
11 - 9	Unit 1 4207 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
11 - 10	Unit 1 4217 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
11 - 11	Unit 1 4217 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
11 - 12	Unit 1 4229 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
11 - 13	Unit 1 4229 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
11 - 14	Unit 1 4233 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
11 - 15	Unit 1 4233 F S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
11 - 16	Unit 1 4233 B S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
11 - 17	Unit 1 4233 B S. 36th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
12 - 1	Unit 1 3552 F S. Stafford Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
12 - 2	Unit 1 3554 F S. Stafford Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
12 - 3	Unit 1 3558 F S. Stafford Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
12 - 4	Unit 1 3558 F S. Stafford Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
12 - 5	Unit 1 3558 B S. Stafford Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
12 - 6	Unit 1 3558 B S. Stafford Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
12 - 7	Unit 1 3560 F S. Stafford Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
12 - 8	Unit 1 3562 F S. Stafford Street Unit 2 n/a	Gable	Buckingham	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
12 - 9	Unit 1 3570 B2 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	1997	2097	100	78	22%	20	\$ 1,450	\$	319	\$ 15
12 - 10	Unit 1 3570 B2 F S. Stafford Street Unit 2 3570 B1 F	Gable	Vermont	Unknown	1997	2097	100	78	22%	20	\$ 1,450	\$	319	\$ 15
12 - 11	Unit 1 3570 B1 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	1997	2097	100	78	22%	20	\$ 1,450	\$	319	\$ 15
12 - 12	Unit 1 3578 F S. Stafford Street	Gable	Vermont	Unknown	2017	2117	100	98	2%	20	\$ 1,450	\$	29	\$ 15
12 - 13	Unit 2	Gable	Vermont	Unknown	2017	2117	100	98	2%	20	\$ 1,450	\$	29	\$ 15
	OIILE II/ a	I			1									

CY:

2019 \$ 72.50

	to capporting commute for dable b											Cos	st/sq. ft.:	\$	72.50
Attic Dormers (Ga	adie)								Percent		Est.				Annual
Court Dormer	Address	Dorme r Type	Slate Type	Condition	Year Last Replaced (actual)	Year to be Replaced (planned)	Useful Life (years)	Remaining Useful Life (years)	Depreciate d (CY)	Dormer Area (ft²)			/ Funded Balance (CY)	Depr	
13 - 1	Unit 1 3520 B2 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	1995	2095	100	76	24%	20	\$ 1,450	\$	348	\$	15
13 - 2	Unit 1 3520 B2 F S. Stafford Street Unit 2 3520 B F	Gable	Vermont	Unknown	1995	2095	100	76	24%	20	\$ 1,450	\$	348	\$	15
13 - 3	Unit 1 3520 B1 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	1995	2095	100	76	24%	20	\$ 1,450	\$	348	\$	15
13 - 4	Unit 1 3526 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2010	2110	100	91	9%	20	\$ 1,450	\$	131	\$	15
13 - 5	Unit 1 3530 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2010	2110	100	91	9%	20	\$ 1,450	\$	131	\$	15
13 - 6	Unit 1 3536 B2 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2018	2118	100	99	1%	20	\$ 1,450	\$	15	\$	15
13 - 7	Unit 1 3536 B2 F S. Stafford Street Unit 2 3536 B1 F	Gable	Vermont	Unknown	2018	2118	100	99	1%	20	\$ 1,450	\$	15	\$	15
13 - 8	Unit 1 3536 B1 F S. Stafford Street Unit 2 n/a	Gable	Vermont	Unknown	2018	2118	100	99	1%	20	\$ 1,450	\$	15	\$	15
14 - 1	Unit 1 4216 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	2010	2110	100	91	9%	20	\$ 1,450	\$	131	\$	15
14 - 2	Unit 1 4218 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	2010	2110	100	91	9%	20	\$ 1,450	\$	131	\$	15
15 - 1	Unit 1 4228 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
15 - 2	Unit 1 4230 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
15 - 3	Unit 1 4232 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
15 - 4	Unit 1	Gable	Vermont	Unknown	2018	2118	100	99	1%	20	\$ 1,450	\$	15	\$	15
15 - 5	Unit 1 4240 B1 F S. 35th Street Unit 2 4240 B2 F	Gable	Vermont	Unknown	2018	2118	100	99	1%	20	\$ 1,450	\$	15	\$	15
15 - 6	Unit 1	Gable	Vermont	Unknown	2018	2118	100	99	1%	20	\$ 1,450	\$	15	\$	15
15 - 7	Unit 1 4252 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	2018	2118	100	99	1%	20	\$ 1,450	\$	15	\$	15
15 - 8	Unit 1 4252 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	2018	2118	100	99	1%	20	\$ 1,450	\$	15	\$	15
15 - 9	Unit 1 4258 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	2007	2107	100	88	12%	20	\$ 1,450	\$	174	\$	15
15 - 10	Unit 1 4258 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	2007	2107	100	88	12%	20	\$ 1,450	\$	174	\$	15
15 - 11	Unit 1 4270 B1 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1999	2099	100	80	20%	20	\$ 1,450	\$	290	\$	15
15 - 12	Unit 1 4270 B1 F S. 35th Street Unit 2 4270 B2 F	Gable	Vermont	Unknown	1999	2099	100	80	20%	20	\$ 1,450	\$	290	\$	15
15 - 13	Unit 1 4270 B2 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1999	2099	100	80	20%	20	\$ 1,450	\$	290	\$	15
15 - 14	Unit 1 4278 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
15 - 15	Unit 1 4280 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15
15 - 16	Unit 1 4282 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$	15

Appendix A11 - Supporting Estimate for Gable Dormers

CY: 2019 Cost/sq. ft.: \$ 72.50

Attic Do	rmers (Ga	ible)													
Court	Dormer	ll l	Dorme r Type	Slate Type	Condition	Year Last Replaced (actual)	Year to be Replaced (planned)		Remaining Useful Life (years)	Percent Depreciate d (CY)	Dormer Area (ft²)		Fully	Funded Balance (CY)	Annual Depreciation Cost (CY)
16	- 1	Unit 1 4300 B1 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
16	- 2	Unit 1 4300 B1 F S. 35th Street Unit 2 4300 B2 F	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
16	- 3	Unit 1 4300 B2 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
16	- 4	Unit 1 4302 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
16	- 5	Unit 1 4304 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
16	- 6	Unit 1 4312 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
16	- 7	Unit 1 4312 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
16	- 8	Unit 1 4316 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
16	- 9	Unit 1 4316 F S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
16	- 10	Unit 1 4316 B S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15
16	- 11	Unit 1 4316 B S. 35th Street Unit 2 n/a	Gable	Vermont	Unknown	1943	2043	100	24	76%	20	\$ 1,450	\$	1,102	\$ 15

		TO	TALS/AVE	RAGES		
ear Last Yea eplaced Re		R Jseful Life U		Percent Depreciate d	Est. Replacemen t Cost	
1976	2076	100.0	56.6	43%	\$ 249,400	

Appendix A12	2 - Supporting Estir	nate for Chimi	ney Ca	aps a	nd Ch	imney	Mason	ry										11-24	0 + - + Ob:			: /	A 17F 00	11-5	0+-+ 0b:-		:_! (-6	6 40.00
																						ion (per sf) tion (each)	\$ 175.00 \$ 650.00	Uni	t Cost of Chir	nney Ke	pointing (31)	\$ 40.00
				Chimn	ey INF	0				Chimne	y Vent/Scre	een Info	rmation						Chimne	y Cap Ir	formation	1				Masonry	/ Informat	ion	
Court Chimney	Addres	s	Wdth (in)	Lgth (In)	Ht above pk (In)	Roof Pitch (?:12)	# of Vents	Vents Covere d	Vent Cover Type	Approx. Age (years)	Condition	Useful Life (yrs)	Remain. Useful Life	Prop. Repl. Year	Estimat Replacer Cost (20	ent	o? Typ	Appr Ag e (yea	9	Usef Life on (yrs	e Usefu		Estimated Replacement Cost (2018\$)	Estimated SF of Masonry	Condition of Masonry	1	Remain. Useful Life	Proposed Year of Repair	Estimated Rep./Repl. Cost (2018\$)
1 - 1	Unit 1 3501 A1 Unit 2 3501 B1	S. Stafford Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 17	5.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	25.00	Average	60	15	2033	\$ 1,000.00
1 - 2		S. Stafford Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 17	5.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	25.00	Average	60	15	2033	\$ 1,000.00
1 - 3		S. Stafford Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 17	5.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1,000.00
1 - 4		S. Stafford Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 17	5.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1,000.00
1 - 5		S. Stafford Street	20	36	40	7	4	NO	n/a	??	n/a	??			\$	- YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	23.80	Unknown	60	??	??	\$ 952.00
1 - 6		S. Stafford Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 17	5.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1,000.00
1 - 7		S. Stafford Street	20	36	40	10	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 17	5.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	24.60	Unknown	60	??	??	\$ 984.00
1 - 8		S. Stafford Street	20	36	40	10	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 17	5.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	24.60	Unknown	60	??	??	\$ 984.00
1 - 9		S. Stafford Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 17	5.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1,000.00
1 - 10		S. Stafford Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 17	5.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1,000.00
1 - 11		S. Stafford Street	20	36	40	7	4	NO	n/a	??	n/a	??			\$	- YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	23.80	Unknown	60	??	??	\$ 952.00
1 - 12		S. Stafford Street	20	68	40	7	8	YES	Pref. Al	2	Excellent	25	23	2041	\$ 23	5.00 YI	S Copp	er 20	Good	50	30	2048	\$ 2,300.00	35.00	Unknown	60	??	??	\$ 1,400.00
1 - 13		S. Stafford Street	20	68	40	7	8	YES	Pref. Al	2	Excellent	25	23	2041	\$ 23	5.00 YI	S Copp	er 20	Good	50	30	2048	\$ 2,300.00	35.00	Unknown	60	??	??	\$ 1,400.00
2 - 1	,	S. Stafford Street	20	52	40	12	6	YES	Pref. Al	2	Excellent	25	23	2041	\$ 21	0.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,910.00	31.20	Unknown	60	??	??	\$ 1,248.00
2 - 2		S. Stafford Street	20	36	40	12	4	YES	Pref. Al	7	Good	25	18	2036	\$ 17	5.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1,000.00
2 - 3		S. Stafford Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 17	5.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1,000.00
2 - 4		S. Stafford Street	20	52	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 17	5.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,910.00	31.20	Unknown	60	??	??	\$ 1,248.00
2 - 5		S. Stafford Street	20	36	40	12	6	YES	Pref. Al	2	Excellent	25	23	2041	\$ 21).00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1,000.00
2 - 6		S. Stafford Street	20	36	40	12	6	YES	Pref. Al	2	Excellent	25	23	2041	\$ 21	0.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1,000.00
2 - 7		S. Stafford Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 17	5.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1,000.00
2 - 8		S. Stafford Street	20	36	40	12	6	YES	Pref. Al	2	Excellent	25	23	2041	\$ 21	0.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1,000.00
2 - 9		S. Stafford Street	20	36	40	12	6	YES	Pref. Al	2	Excellent	25	23	2041	\$ 21	0.00 YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1,000.00
2 - 10		S. Stafford Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$	- YI	S Copp	er 20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1,000.00

Anne	ndiy A1	2 - Suni	ortir	ın Feti	mate for Chim	nev C	ans a	nd Ch	imnev	Mason	rv																	1			T	$\overline{}$	
vhhr	IIUIA A I	Z - Oup	, OI (II	ig Lou	illate for Offilia	licy o	aps a	iiu Oii	ПППСУ	Mason	· y										Unit Cos	t of Chimn	l ley Cap I	Fabrication	n (per sf)	\$ 175.00	Unit	t Cost of Chir	nney Rep	ointing (sf)	\$	40.00
							Ob:	INF	•				Ob:								Unit Co	st of Chimi	, ,		n (each)	\$ 650.00			4	If			
							Cnimn	ey INF	U				Cnimne	y Vent/Scr	een into	rmation						Chimney (Cap Into	rmation					wasonry	Informat	ION	_	
Court	Chimne	,		Addres	20	Wdth (in)	Lgth (In)	above pk (ln)	Roof Pitch (?:12)	# of Vents	Vents Covere d	Vent Cover Type	Approx. Age	Condition	Useful Life (yrs)	Remain. Useful Life	Prop. Repl. Year	Estimated Replacement Cost (2018\$)	Cap?	Туре	Approx. Age (years)	Condition	Useful Life (yrs)	Remain. Useful Life	Prop. Repl. Year	Estimated Replacement Cost (2018\$)	Estimated SF of Masonry	Condition of Masonry	Useful Life (yrs)	Remain. Useful Life	Proposed Year of Repair	Rep./F	timated Repl. Cost 2018\$)
Ouit	O I II I I I I I	Unit 1	35		S. Stafford Street	` '	· ` `		<u> </u>						,			, ,			,					, .,	– –					,	
3	- 1	Unit 2	35	33 B1	S. Stafford Street	20	36	40	12	6	YES	Pref. Al	2	Excellent	25	23	2041	\$ 210.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00		60	??	??		1,000.00
	- 2	Unit 2 Unit 1	35	63 B2	S. Stafford Street	20	36	40	12	2	NO	n/a	??	Unknown				\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00		Unknown	60	??	??		1,000.00
3	H^{-}	Unit 2		/a	S. Stafford Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00		Unknown	60	??	??		1,000.00
3	- 4	Unit 2	п	/a	S. Stafford Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
3	- 5	Unit 2	35	71 B1	S. Stafford Street	20	36	40	12	6	YES	Pref. Al	2	Excellent	25	23	2041	\$ 210.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
3	- 6	Unit 2	35	71 B2		20	36	40	12	6	YES	Pref. Al	2	Excellent	25	23	2041	\$ 210.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
3	- 7	Unit 1 Unit 2	35	75 B	S. Stafford Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	23	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
3	- 8	Unit 1 Unit 2	35	79	S. Stafford Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
3	- 9	Unit 1 Unit 2	35	31 B1	S. Stafford Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
3	- 10	Unit 1 Unit 2	35	31 B2	S. Stafford Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
3	- 11	Unit 1 Unit 2		/a	S. Stafford Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
4	- 1	Unit 1 Unit 2	41		S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
4	- 2	Unit 1 Unit 2	41		S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
4	- 3	Unit 1 Unit 2	41	05	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
4	- 4	Unit 1 Unit 2	41		S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
4	- 5	Unit 1 Unit 2		/a	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
4	- 6	Unit 1 Unit 2		/a	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
4	- 7	Unit 1 Unit 2	41	19 /a	S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
4	- 8	Unit 1 Unit 2		23 A2 23 B2	S. 36th Street	20	36	40	12	6	YES	Pref. Al	2	Excellent	25	23	2041	\$ 210.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
4	- 9	Unit 1 Unit 2		23 A1 23 B1	S. 36th Street	20	36	40	12	6	YES	Pref. Al	2	Excellent	25	23	2041	\$ 210.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
4	- 10	Unit 1 Unit 2	41:	27	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
4	- 11	Unit 1 Unit 2	41:	31	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00

Appe	ndix A12	? - Sup	orting	Estimate for Chim	ney Ca	aps aı	nd Ch	imney	Mason	ıry																						
																							Fabrication Installation		\$ 175.00 \$ 650.00	Unit	Cost of Chin	nney Rep	oointing (sf)	\$	40.00
						Chimn	ey INF	0				Chimne	y Vent/Scre	en Info	rmation					Offic Oo	Chimney			i (cacii)	\$ 000.00			Masonry	Informa	lion		
Court	Chimney			Address	Wdth (in)	Lgth (ln)	Ht above pk (ln)	Roof Pitch (?:12)	# of Vents	Vents Covere d	Vent Cover Type	Approx. Age (years)	Condition	Useful Life (yrs)	Remain. Useful Life	Prop. Repl. Year	Estimated Replacement Cost (2018\$)	Cap?	Type	Approx. Age (years)	Condition	Useful Life (yrs)	Remain. Useful Life	Prop. Repl. Year	Estimated Replacement Cost (2018\$)	Estimated SF of Masonry	Condition of Masonry	Useful Life (yrs)	Remain. Useful Life	Proposed Year of Repair	Rep./	stimated /Repl. Cost 2018\$)
4	- 12	Unit 1 Unit 2	4137 4139	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
5	- 1	Unit 1	4100	S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
5	- 2	Unit 1	4102 n/a	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
5	- 3	Unit 1 Unit 2	4104 n/a	S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
5	- 4	Unit 1 Unit 2	4110 n/a	S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
5	- 5	Unit 1 Unit 2	4112 n/a	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
5	- 6	Unit 1 Unit 2	4116 n/a		20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
5	- 7	Unit 1 Unit 2	4118 n/a	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
5	- 8	Unit 1 Unit 2	4122 n/a	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
5	- 9	Unit 1 Unit 2	4128 n/a	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
6	- 1	Unit 1 Unit 2 Unit 1	4136 4138 4140	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
	- 2	Unit 2 Unit 1	4142 4146	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00		Unknown	60	??	??	-	1,000.00
	- 3	Unit 2 Unit 1	4148 4154	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00		60	??	??	-	1,000.00
	- 4	Unit 2 Unit 1	4156 4162	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30		\$ 1,530.00		Unknown	60	??	??	-	1,000.00
6	- 5 - 6	Unit 2 Unit 1	4164 4164	S. 36th Street	20	36 36	40	12 12	4	YES	Pref. Al	2	Excellent	25 25	23	2041	\$ 175.00 \$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00 \$ 1,530.00		Unknown	60	??	??	l ·	1,000.00
	- 0 - 7	Unit 2 Unit 1	4166 4172	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2046	\$ 1,530.00		Unknown	60	??	??	-	1,000.00
	- 8	Unit 2 Unit 1	n/a 4176	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00		60	??	??	-	1,000.00
	- 1	Unit 2 Unit 1	n/a 4204		20	36	40	12	6	YES	Pref. Al	2	Excellent	25	23	2041	\$ 210.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00		Unknown	60	??	??	-	1,000.00
7	- 2	Unit 2 Unit 1 Unit 2	4204 4204 4204	A2 S. 36th Street	20	36	40	12	6	YES	Pref. Al	2	Excellent	25	23	2041	\$ 210.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00		Unknown	60	??	??	-	1,000.00
7	- 3	Unit 1 Unit 2	4210 4210	A1 S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
7	- 4	Unit 1 Unit 2	4210 4212		20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
7	- 5	Unit 1 Unit 2	4212 4212		20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
8	- 1	Unit 1 Unit 2	3601 3603	S. Taylor Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
8	- 2	Unit 1 Unit 2	3607 3609	S. Taylor Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
8	- 3	Unit 1 Unit 2	3611 3611	B1	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
8	- 4	Unit 1 Unit 2	3611		20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
8	- 5	Unit 1 Unit 2	3615 3617		20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
8	- 6	Unit 1 Unit 2	3623 3625	S. Taylor Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00

Anner	ndix A	12 - Sun	oortina	Estimate for Chir	nnev (Cans a	nd Ch	nimnev	Masor	ırv																						$\overline{}$	
.ppo.		oup	porting			Jupou	liu Vi		Indoor	.,												st of Chimr	, ,		(1 /	\$ 175.00	Unit	Cost of Chir	nney Re	pointing (sf)	\$	40.00
						Chim	ney INF	0				Chimne	ey Vent/Scr	een Info	rmation						UIIII CO	st of Chim Chimney			ii (eacii)	\$ 650.00			Masonry	Informa	tion		
Court	Chimne	ev	A	ddress	Wdtl (in)		Ht above pk (In)	Roof Pitch (?:12)	# of Vents	Vents Covere d	Vent Cover Type	Approx. Age (years)		Useful Life (yrs)	Remain. Useful Life	Prop. Repl. Year	Repla	mated cement (2018\$)	Cap?	Туре	Approx. Age (years)	Condition	Useful Life (yrs)	Remain. Useful Life	Prop. Repl. Year	Estimated Replacement Cost (2018\$)	Estimated SF of Masonry	Condition of Masonry	Useful Life (yrs)	Remain. Useful Life	Proposed Year of Repair	Rep.,	Estimated o./Repl. Cost (2018\$)
9	- 1	Unit 1 Unit 2	3515	S. Utah Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$	175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
9	- 2	Unit 1	3517	S. Utah Street	20	36	40	12	2	NO	n/a	??	Unknown	??	-		\$	-	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
9	- 3	Unit 2 Unit 1 Unit 2	n/a 3519	S. Utah Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$	-	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
9	- 4	Unit 1	n/a 3523	S. Utah Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$	-	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
9	- 5	Unit 2 Unit 1	n/a 3529		20	+	40	12	2	NO	n/a	??	Unknown				s	_	YES	Copper	20	Good	50	30	2048	\$ 1.530.00		Unknown	60	??	??		1,000.00
9	- 6	Unit 2 Unit 1	3529 3529	A2 S. Utah Street	20	36	40	12	2	NO	n/a	??	Unknown	??			s		YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	-	1,000.00
	- 7	Unit 2 Unit 1	3529 3537	S. Utah Street	20	+	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	ļ ·	175.00	YES	Copper	20	Good	50	30	2048	\$ 1.530.00		Unknown	60	??	??	-	1,000.00
0	. 8	Unit 2 Unit 1	3539 3541	S. Utah Street	20	+	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$	175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00		Unknown	60	??	??	-	1,000.00
0	0	Unit 2 Unit 1	3543 3547	S. Utah Street	_	+																	-							??			
40	- 9	Unit 2 Unit 1	3549 4341	S. 36th Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	_	175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00		60		??		1,000.00
10	ļ ·	Unit 2 Unit 1	n/a 4339	S. 36th Street	20	+	40	12	2	NO	n/a	??	Unknown	??			\$	-	YES	Copper	20	Good	50	30	2048	\$ 1,530.00		Unknown	60	??	??	l ·	.,
10	-	Unit 2 Unit 1	n/a 4337	S. 36th Street	20	+	40	12	2	NO	n/a	??	Unknown				\$	-	YES	Copper	20	Good	50	30	2048	\$ 1,530.00		Unknown	60	??	??	-	
10	-	Unit 2	4335 4335	S. 36th Street	20	+	40	12	2	NO	n/a	??	Unknown	??			\$	-	YES	Copper	20	Good	50	30	2048	\$ 1,530.00		Unknown	60	??	??	<u> </u>	1,000.00
10	- 4	Unit 2	4333 4329	S. 36th Street	20	+	40	12	2	NO	n/a	??	Unknown	??			\$	-	YES	Copper	20	Good	50	30	2048	\$ 1,530.00		Unknown	60	??	??	\$	1,000.00
10	- 5	Unit 2	4327 4325	S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$	-	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
10	- 6	Unit 2	4323	'	20	36	40	12	2	NO	n/a	??	Unknown	??			\$	-	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
10	- 7	Unit 1 Unit 2	4321 4319	S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$	-	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
10	- 8	Unit 1 Unit 2	4317 4317	B1	20	36	40	12	2	NO	n/a	??	Unknown	??			\$	-	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
10	- 9	Unit 1 Unit 2	4317 4317	B2	20	36	40	12	2	NO	n/a	??	Unknown	??			\$	-	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
10	- 10	Unit 1 Unit 2	4315 4313	S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$	-	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
10	- 11	Unit 1 Unit 2	4309 4307	S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$	-	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
10	- 12	Unit 1 Unit 2	4303 4301	S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$	-	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00

Appe	ndix A1	2 - Sup	porting	j Est	imate for Chim	ney Ca	aps ar	nd Chi	imney	Mason	ry																						
																								Fabrication Installation		\$ 175.00 \$ 650.00	Unit	Cost of Chin	nney Rep	ointing (if)	\$	40.00
							Chimn	ey INFO	0				Chimne	y Vent/Scre	en Info	rmation						Chimney (ı	Masonry	Informat	ion		
Court	Chimney			Addre		Wdth (in)	Lgth (In)	Ht above pk (In)	Roof Pitch (?:12)	# of Vents	Vents Covere d	Vent Cover Type	Approx. Age (years)	Condition	Useful Life (yrs)	Remain. Useful Life	Prop. Repl. Year	Estimated Replacement Cost (2018\$)	Cap?	Туре	Approx. Age (years)	Condition	Useful Life (yrs)	Remain. Useful Life	Prop. Repl. Year	Estimated Replacement Cost (2018\$)	Estimated SF of Masonry	Condition of Masonry		Remain. Useful Life	Proposed Year of Repair	Rep./R	imated Repl. Cost 018\$)
11	- 1	Unit 1 Unit 2	3590 n/a) 1	S. Stafford Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
11	- 2	Unit 1 Unit 2	3592 n/a	2	S. Stafford Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
11	- 3	Unit 1 Unit 2	3594 n/a	1	S. Stafford Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
11	- 4	Unit 1 Unit 2	3598 n/a	3	S. Stafford Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
11	- 5	Unit 1 Unit 2	420°		S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
11	- 6	Unit 1 Unit 2	420 420		S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
11	- 7	Unit 1 Unit 2	4215 4217		S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
11	- 8	Unit 1 Unit 2	4217 4219		S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
11	- 9	Unit 1 Unit 2	422 3		S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
11	- 10	Unit 1 Unit 2	422 7		S. 36th Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	23	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
11	- 11	Unit 1 Unit 2	423		S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
11	- 12	Unit 1 Unit 2	423 3	1	S. 36th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
11	- 13	Unit 1 Unit 2	423 5		S. 36th Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	23	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
12	- 1	Unit 1 Unit 2	3550 3552		S. Stafford Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	23	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
12	- 2	Unit 1 Unit 2	3554 3556	3	S. Stafford Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	23	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
12	- 3	Unit 1 Unit 2	3568 3568	3	S. Stafford Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	23	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
12	- 4	Unit 1 Unit 2	3570	B2	S. Stafford Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
12	- 5	Unit 1 Unit 2	3570 3570) B1	S. Stafford Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
12	- 6	Unit 1 Unit 2	3572 3574	1	S. Stafford Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
12	- 7	Unit 1 Unit 2	3578 3578	3	S. Stafford Street	20	36	40	12	4	YES	Pref. Al	2	Excellent	25	23	2041	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
12	- 8	Unit 1 Unit 2	3582 3584	1	S. Stafford Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	23	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
13	- 1	Unit 1 Unit 2	3512 3514	1	S. Stafford Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	23	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
13	- 2	Unit 1 Unit 2	3516 3518	3	S. Stafford Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	23	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
13	- 3	Unit 1 Unit 2	3520 3520	B2	S. Stafford Street	20	36	40	12	6	YES	Pref. Al	3	Excellent	25	23	2040	\$ 210.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
13	- 4	Unit 1 Unit 2	3520 3520	B1	S. Stafford Street	20	36	40	12	6	YES	Pref. Al	3	Excellent	25	23	2040	\$ 210.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$ 1	1,000.00
13	- 5	Unit 1 Unit 2		3	S. Stafford Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	23	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
13	- 6	Unit 1 Unit 2		2	S. Stafford Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	22	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
13	- 7	Unit 1 Unit 2	3536	B2	S. Stafford Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
13	- 8	Unit 1 Unit 2	3536	B1	S. Stafford Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
13	- 9	Unit 1 Unit 2	3538 3540)	S. Stafford Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	23	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
13	- 10	Unit 1 Unit 2	3542 3544		S. Stafford Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00

Appe	ndix	A12	- Sup	ortin	g Esti	mate for Chim	ney C	aps a	nd Ch	imney	Mason	ry										Unit Cos	st of Chimr	nev Can	Fabrication	(per sf)	\$ 175.00	Unit	t Cost of Chin	nnev Rei	oointina (sf)	S	40.00
																							st of Chim	ney Cap	Installation			Office			- ,		Ÿ	40.00
								Chimn	_	0				Chimne	y Vent/Scr	een Info	rmation						Chimney	Cap Info	rmation					Masonry	Informa	ion		
Court	Chim	inev			Addres	SS	Wdth (in)	Lgth (In)	Ht above pk (In)	Roof Pitch (?:12)	# of Vents	Vents Covere d	Vent Cover Type	Approx. Age (years)	Condition	Useful Life (yrs)	Remain. Useful Life	Prop. Repl. Year	Estimated Replacement Cost (2018\$)	Cap?	Туре	Approx. Age (years)	Condition	Useful Life (yrs)	Remain. Useful Life	Prop. Repl. Year	Estimated Replacement Cost (2018\$)	Estimated SF of Masonry	Condition of Masonry	Useful Life (yrs)	Remain. Useful Life	Proposed Year of Repair	Rep.,	stimated /Repl. Cos (2018\$)
14	† T	Ĺ	Unit 1 Unit 2	350	0 /a	S. Stafford Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
14	- 2		Unit 1 Unit 2	420	12	S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
14	- 3		Unit 1 Unit 2	420	4 /2	S. 35th Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	23	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.00
14	- 4		Unit 1 Unit 2	421	0	S. 35th Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	22	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
14	- 5		Unit 1 Unit 2		6 A1 6 B1	S. 35th Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	23	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
14	- 6		Unit 1 Unit 2	421	6	S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
14	- 7		Unit 1 Unit 2	421		S. 35th Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	23	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
15	- 1		Unit 1 Unit 2	422	16	S. 35th Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	23	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
15	- 2		Unit 1 Unit 2	423	2	S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
15	- 3		Unit 1 Unit 2	424		S. 35th Street	20	36	40	12	6	YES	Pref. Al	3	Excellent	25	23	2040	\$ 210.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
15	- 4		Unit 1 Unit 2	424		S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
15	- 5		Unit 1 Unit 2	42 4		S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
15	- 6		Unit 1 Unit 2	425 425		S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
15	- 7		Unit 1 Unit 2	425 425	2	S. 35th Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	22	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
15	- 8		Unit 1 Unit 2	425 425		S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
15	- 9		Unit 1 Unit 2	425 426		S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
15	- 10		Unit 1 Unit 2	426	14 /a	S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
15	- 11		Unit 1 Unit 2	427	'0 B1	S. 35th Street	20	36	40	12	6	YES	Pref. Al	3	Excellent	25	23	2040	\$ 210.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
15	- 12		Unit 1 Unit 2	427	0 B2	S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
15	- 13		Unit 1 Unit 2	427 427	'8	S. 35th Street	20	36	40	12	4	YES	Pref. Al	3	Excellent	25	23	2040	\$ 175.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
15	- 14		Unit 1 Unit 2	428 428	14	S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
16	- 1		Unit 1 Unit 2	430	0 B1	S. 35th Street	20	36	40	12	6	YES	Pref. Al	3	Excellent	25	23	2040	\$ 210.00	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
16	- 2		Unit 1 Unit 2	430	0 B2	S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
16	- 3		Unit 1 Unit 2	430	′a	S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
16	- 4		Unit 1 Unit 2	43 1	′a	S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
16	- 5		Unit 1 Unit 2	43 1	′a	S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
16	- 6		Unit 1 Unit 2	43 1	′a	S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
16	- 7		Unit 1 Unit 2	43 1	8 /a	S. 35th Street	20	36	40	12	2	NO	n/a	??	Unknown	??			\$ -	YES	Copper	20	Good	50	30	2048	\$ 1,530.00	25.00	Unknown	60	??	??	\$	1,000.0
	\vdash																																F	
																					ESTIMA	TED REP	LACEMEN ¹	T COST	OF CHIMN	EY CAPS	\$237,920.00	ESTIM/	ATED COST T	O REPO	INT ALL	HIMNEYS	S 1	55.168.0

Appendix A13 - Supporting Estimate for Masonry Maintenance/Repointing (5.4.1)

Tuckpointing & Miscellaneous Periodic Masonry/Stone Veneer Repair

Repair Cost per Re	pair Cycle =	\$ 150,000
Frequency of Repai	rs =	5 years
Repair Extent Inflat	or	10%
1st Repair Cycle 2nd Repair Cycle 3rd Repair Cycle 4th Repair Cycle	2022 2027 2032 2037	\$ 150,000 \$ 165,000 \$ 181,500 \$ 199,650

Appendix A14 - Supporting Estimate for Masonry Stoop Repair/Replacement (5.5.1)

ourt	Address	Street	Dime	nsions	Area	Bond	Stens	Columns	Year Last	Historical	Historical /	Anticipated Cost 2	2019 Unit	Anti	ipated Cost of	Determ.	Antic.	Calc.	Estimated	2016	2018	2016 Comments	2018 Comments
, u	71441000	0001	(inc		(SF)	Pattern	оторо		Rebuilt	Cost to	Unit Cost	•	Cost to		nting in Phase II	Remainin		Remain.				2010 00	2010 001111101110
										Rebuild	to Rebuild		Rebuild	(2	019) by KGS	g Useful	Year	Useful	Cost in 2018\$	0-5	0-5		
											(per sf)		per KGS			Life		Life		(5=wors	(5=wors		
											adj for infl.	by KGS	Bid							t)	t)		
1	3501	S. Stafford	118			basket	1	Υ	1943						- 0.00		2038	20	\$ 9,540.00	0	1	some TP has been done	
1	3503	S. Stafford	76			basket	1		2006						- 0.00		2086	68	\$ 4,880.00	0	0		
1	3507 A/B	S. Stafford	118			running	2	Υ	1943						- 0.00		2038	20	\$ 9,540.00	2	1	needs TP	
1	3509 A/B	S. Stafford	118			running	1	Υ	1943						- 0.00		2038	20	\$ 9,540.00	2	1	needs TP	
1	3511	S. Stafford	76	50	26.39	running	2		1943					195	· ' '		2045	27	\$ 4,880.00	2	2	needs TP	
1	3513 A/B	S. Stafford					1	Y	1943	.					- 0.00		2038	20	\$ 9,540.00	1	1	needs TP	
1	3515 A/B	S. Stafford	118		51.63		1	Y	2017	\$ 9,995.00	_				- 0.00		2097	79	\$ 9,540.00	4	0		renovated under 2016 contract
1	3517 A/B	S. Stafford	118	_	51.63	-	1	Y		\$ 9,995.00	_				- 0.00		2097	79	\$ 9,540.00	4	0		renovated under 2016 contract
1	3519 A/B	S. Stafford	118		51.63		1	Υ		\$ 9,995.00					- 0.00		2097	79	\$ 9,540.00	5	0		renovated under 2016 contract
1	3521	S. Stafford	76			running	2			\$ 5,150.00					- 0.00		2097	79	\$ 4,880.00	5	0		renovated under 2016 contract
1	3523 A/B	S. Stafford	118			running	1	Y	2017	\$ 9,995.00					- 0.00		2097	79	\$ 9,540.00	4	0		renovated under 2016 contract
1	3525 A/B	S. Stafford			51.63		1	Y		\$ 9,995.00	\$ 193.61			405	- 0.00		2097	79	\$ 9,540.00	4	0		renovated under 2016 contract
1_	3527 A/B	S. Stafford	118			basket	1	Y	1943	# 0 00F 00	 h 100.01			405	lf \$ 2,430.00		2045	27	\$ 9,540.00	1	2	needs TP	give to N&M
1	3529 A/B	S. Stafford	118	63	51.63	basket	1	Υ	2017	\$ 9,995.00	\$ 193.61				- 0.00		2097	79	\$ 9,540.00	4	U	bad TP job; left tripping hazard	renovated under 2016 contract
2	OFOE A/D	C Chofford	110	CO	E1 C0	w.mmin a	- 4	V	1042						0.00		2020	20	¢ 0.540.00	1	1 1		
2	3535 A/B 3537	S. Stafford S. Stafford	118			running running	1	Y	1943 1943						- 0.00		2038 2038	20	\$ 9,540.00 \$ 9,540.00	1			
	3539 A/B	S. Stafford	118			running	1	Y	1943						- 0.00		2038	20	\$ 9,540.00	0	1		
2	3541	S. Stafford			26.39		1	T	1943						- 0.00		2038	20	\$ 4,880.00	1	1	needs TP	
2	3543 A/B	S. Stafford	76		51.63		4		1943						- 0.00 - 0.00		2038	20	\$ 9,540.00	1	1	needs TP; efflorescence on bricks	looks like it has been redone before
2	3545 A/B	S. Stafford	118		51.63		3	Υ	2017	\$ 9,995.00					- 0.00		2097	79	\$ 9,540.00	1	n	very bad appearance on front two steps	
2	3547 A/B	S. Stafford			51.63		1	Y	1943	ψ 9,990.00	ψ 193.01 				- 0.00		2028	10	\$ 9,540.00	3	3	very bad appearance on none two steps	Tellovated under 2010 contract
2	3549 A/B	S. Stafford	118		51.03	running	1	Y	1943						- 0.00		2023	5	\$ 9,540.00	0	0		
2	3551	S. Stafford	118			running	1	Y	1943						- 0.00		2028	10	\$ 9,540.00	3	3	needs TP	hiah 3
2	3553 A/B	S. Stafford				running	1	Y	1943			\$ 6,400.00	\$ 123 97		- 0.00	1	2019	10	\$ 9,540.00	3	4	needs TP	front edge falling forward
2	3555	S. Stafford				running	1	1	1943			Ψ 0,400.00	Ψ 120.51 		- 0.00	1	2028	10	\$ 4,880.00	3	3	needs TP	Tront cage faming forward
Ė	0000	o. otanora	70	00	20.00	running	_		1010						0.00		2020	10	ψ 1,000.00	J		110000 11	
3	3561	S. Stafford	76	50	26.39	basket	1		1943						- 0.00		2038	20	\$ 4,880.00	1	1	needs TP	
3	3563	S. Stafford	118		51.63		1	Υ	1943						- 0.00		2038	20	\$ 9,540.00	1	1	needs TP	
3	3565 A/B	S. Stafford	118			running	1	Y	1943					405	lf \$ 2,430.00		2040	22	\$ 9,540.00	3	3	needs TP	
3	3567	S. Stafford	76		26.39		1		1943					25			2041	23	\$ 4,880.00	1	1	needs TP	
3	3569 A/B	S. Stafford	118		51.63		1	Υ		\$ 9,995.00	\$ 193.61				- 0.00		2097	79	\$ 9,540.00	5	0	tilted front course is hazardous	renovated under 2016 contract
3	3571	S. Stafford				basket	1	Y	1943	,				375	lf \$ 2,250.00		2045	27	\$ 9,540.00	3	2	needs TP	give to N&M
_	3573 A/B	S. Stafford				basket	1	Y		\$ 9,995.00	\$ 193.61				- 0.00		2097		\$ 9,540.00	_	0		renovated under 2016 contract
	3575 A/B	S. Stafford				running	1	Y	1943	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					lf \$ 90.00		2031		\$ 9,540.00			needs TP	20.0 00.000
	3577 A/B	S. Stafford				running	1	Υ	1943						If \$ 2,430.00		2045		\$ 9,540.00			needs TP	give to N&M
	3579	S. Stafford				running	1		1943						- 0.00		2028		\$ 4,880.00			needs TP	
	3581	S. Stafford				basket	1	Υ	1943			\$ 6,400.00	\$ 123.97		- 0.00	1	2019		\$ 9,540.00	1	2	needs TP	give to N&M
	3583	S. Stafford				basket	1			\$ 3,425.00		. ,			- 0.00		2086		\$ 4,880.00	0	0		
	3585	S. Stafford				basket	1		1943	. ,					- 0.00		2038		\$ 4,880.00		1	needs TP	

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Appendix A14 - Supporting Estimate for Masonry Stoop Repair/Replacement (5.5.1)

S. 36th

6

4176

76

50 26.39 running

1943

Anticipated Avg Life Expectancy of New Stoop (yrs) 80 TP = tuckpointing Dimensions Area Bond Steps Columns Year Last Historical Historical Anticipated Cost 2019 Unit Calc. Estimated 2016 Comments 2018 Comments Court Address Street Anticipated Cost of Determ. Antic. 2016 2018 to Rebuild in Rebuild (inches) (SF) Pattern ? (Y/N) Rebuilt Cost to **Unit Cost** Cost to Repointing in Phase II Remainin Remain. Replacement Ranking Ranking Rebuild to Rebuild Phase II Rebuild (2019) by KGS q Useful Year Useful **Cost in 2018\$** 0-5 0-5 (2019)per KGS (per sf) Life Life (5=wors (5=wors by KGS Bid adj for infl. 2038 4,880.00 4 4101 S. 36th 76 50 26.39 basket 1943 20 \$ needs minor TP ----4 4103 S. 36th 50 26.39 basket 1943 220 If \$ 1,320.00 27 \$ 4,880.00 2 --2 4 4105/07 S. 36th 63 51.63 basket 1943 2038 20 \$ 9,540.00 -needs TP 1943 2028 10 \$ 9,540.00 3 3 needs TP 4 4109/11 S. 36th 118 63 51.63 basket -----4 4113 S. 36th 50 26.39 1943 220 If \$ 1,320.00 27 \$ 4.880.00 2 2 needs TP running 51.63 1943 405 If \$ 2,430.00 4 4115-17 S. 36th 118 63 running 27 \$ 9,540.00 3 2 very ugly patch job ugly but stable; give to N&M --4119 S. 36th 76 26.39 1943 55 If \$ 330.00 2036 18 \$ 4,880.00 2 2 4 50 basket S. 36th 1943 \$ 4,880.00 4 4121 50 26.39 2038 20 basket 1943 \$ 9,540.00 4123 S. 36th 2028 10 4 118 63 51.63 basket S. 36th 1943 10 \$ 4,880.00 3 4125 50 2028 4 76 26.39 running -tilted front course 1943 S. 36th 63 20 \$ 9,540.00 4 4127/29 118 51.63 running 2038 needs minor TP S. 36th 1943 9,540.00 4 4131/33 118 63 51.63 running 2038 20 \$ needs minor TP 4 4135 S. 36th 50 26.39 1943 2038 20 \$ 4,880.00 needs minor TP running ----4 4137 S. 36th 76 50 26.39 running 1943 2038 20 \$ 4,880.00 needs minor TP S. 36th 4 4139 76 50 26.39 running 1943 -----2038 20 \$ 4.880.00 needs minor TP 50 26.39 basket 4100 S. 36th 1943 410 If \$ 2.460.00 27 \$ 4.880.00 2 2 5 5 4102 S. 36th 50 26.39 basket 1943 2023 5 4.880.00 76 \$ 0 0 rebuilt ----63 51.63 basket 1943 360.00 2036 18 \$ 9,540.00 needs TP 5 4104/06 S. 36th 118 60 If \$ ---missing grout 1943 6,400.00 \$ 123.97 2019 5 S. 36th 63 51.63 basket \$ 9,540.00 4108/10 118 ---5 needs TP front step falling apart 1943 2028 5 10 \$ 9,540.00 3 4112/14 S. 36th 118 63 | 51.63 | running --3 needs TP 5 50 26.39 1943 195 If \$ 1,170.00 27 4116 S. 36th 76 running ----| \$ 4.880.00 2 needs TP 5 4118 S. 36th 118 63 | 51.63 | basket 1943 2038 20 \$ 9,540.00 6,400.00 \$ 123.97 5 4122-24 S. 36th 63 51.63 running 5 1943 2019 \$ 9,540.00 needs TP S. 36th 118 63 51.63 running 5 1943 2028 10 \$ 9.540.00 3 3 5 4126-28 ----4130 S. 36th 76 50 26.39 basket 2006 \$ 3.030.00 \$ 143.57 2086 68 \$ 4.880.00 needs TP 6 --6 4132 S. 36th 63 33.25 basket \$ 3,425.00 \$ 128.80 2086 68 \$ 6,150.00 3 needs TP 2006 4134 S. 36th 50 26.39 basket 1943 5,400.00 \$ 204.63 2019 \$ 4,880.00 needs TP; repaired in 2006 6 \$ 6 4136/38 S. 36th 63 51.63 1943 2038 20 9,540.00 118 basket needs TP 1943 65 If \$ 390.00 18 9,540.00 6 4140/42 S. 36th 118 63 51.63 basket 2036 \$ needs TP 1943 6 S. 36th 76 5,400.00 \$ 204.63 4,880.00 4144 50 26.39 basket 2019 \$ needs TP 6 S. 36th 63 51.63 running 1943 10 \$ 9,540.00 4146-48 118 2028 needs TP loose brick on right 1943 20 \$ 9,540.00 6 4150/52 S. 36th 118 63 51.63 running 2038 needs TP 405 If \$ 2,430.00 9,540.00 6 4154/56 S. 36th 118 63 51.63 running 1943 32 \$ needs TP --6 4158/60 S. 36th 118 63 51.63 1943 405 If \$ 2,430.00 27 \$ 9,540.00 one loose brick at end loose brick on left basket ---6 S. 36th 63 51.63 1943 2038 \$ 9.540.00 needs TP 4162/64 118 basket 20 2 --6 4166 S. 36th 76 50 26.39 basket 2018 \$ 5,150.00 \$ 195.16 2098 80 \$ 4.880.00 0 front course tilted forward renovated under 2016 contract 4 --9,540.00 broken brick in front 6 4168/70 S. 36th 118 63 51.63 basket 1943 2038 20 \$ needs minor TP --S. 36th 6 1943 2038 20 \$ 9.540.00 needs TP 4172/74 118 63 51.63 running ----

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2038

20

\$

4,880.00

needs TP

Appendix A14 - Supporting Estimate for Masonry Stoop Repair/Replacement (5.5.1)

•		Supporting Esti			,	1 1	, F		,	,	[Anticipate	ed Avg Life E	xpectar	ncy of N	New Stoop (<u>y</u>	rs)	80			TP = tuc	kpointing		
ourt	Address	Street	Dimens (inch		Area (SF)	Bond Pattern	Steps		Year Last Rebuilt		Historical Unit Cost to Rebuild (per sf) adj for infl.	Anticipated Cost to Rebuild in Phase II (2019) by KGS	2019 Unit Cost to Rebuild per KGS Bid	Repo		d Cost of In Phase II By KGS	Determ. Remainin g Useful Life	Antic. Rebuild Year	Calc. Remain. Useful Life	Estimated Replacement Cost in 2018\$	2016 Ranking 0-5 (5=wors t)	2018 Ranking 0-5 (5=wors		2018 Comments
7	4200-02	S. 36th	118	63	51.63	basket	1	Υ	2006	\$ 6,650.00	\$ 161.07				-	0.00		2086	68	\$ 9,540.00	1	1	needs TP	
7	4204	S. 36th	118		51.63		1	Υ	2018	\$ 9,995.00	\$ 193.61				-	0.00		2098	80	\$ 9,540.00	4	0		renovated under 2016 contract
7	4206-08	S. 36th	118	63	51.63	basket	1	Υ	2006	\$ 6,650.00	\$ 161.07			405	If \$	2,430.00		2098	80	\$ 9,540.00	2	2	needs TP	missing grout at front edge
7	4210	S. 36th	118	63	51.63	basket	1	Y	1943						-	0.00		2038	20	\$ 9,540.00	1	1	needs minor TP	
7	4212	S. 36th	118	63	51.63	basket	1	Y	1943					375	If \$	2,250.00		2045	27	\$ 9,540.00	2	2	needs TP	
Ω	3601/03	S. Taylor	110	63	51.63	running	1	Υ	1943	1		1		405	If C	3 2,430.00		2045	27	\$ 9,540.00	2	2	effluoresence	
Q	3605/07	S. Taylor				running	1	Y	1943							5 1,020.00		2045	27	\$ 9,540.00	2	2	eniuoresence	
8	3609	S. Taylor				running	1	I	1943							3 1,020.00 3 1,320.00		2045	27	\$ 4,880.00	2	2		+
g R	3611	S. Taylor				running	1	Y	1943					220	_	0.00		2038	20	\$ 9,540.00	1	1	needs minor TP	+
o 8	3613	S. Taylor			26.39		1	1		\$ 5,150.00					-	0.00		2098	80	\$ 4,880.00	1	0	nicous minor m	renovated under 2016 contract
Q Q	3615-17	S. Taylor			51.63		3	Υ	2006	\$ 6,650.00				495	If ¢	3 2,970.00		2098	80	\$ 9,540.00	3	2		Teriovateu uriuer 2010 contract
Q Q	3619-21	S. Taylor			51.63		3	Y		\$ 9,995.00				430	11 ψ	0.00		2098	80	\$ 9,540.00	4	0	cracking on steps	renovated under 2016 contract
υ 0	3623/25	S. Taylor				basket	4	V		\$ 9,995.00						0.00		2098	80	\$ 9,540.00	5	0	section OK, unequal risers are hazardous	
•	3023/23	3. Tayloi	110	03	31.03	Dasket	4	'	2010	ψ 9,990.00	ψ 130.01				_	0.00		2030	00	φ 9,540.00	<u> </u>	U	section on, unequal risers are nazardous	Teriovaled under 2010 contract
9	3513/15	S. Utah	118	63	51.63	basket	1	Υ	1943						-	0.00		2038	20	\$ 9,540.00	1	1	needs TP	
9	3517/19	S. Utah	118		51.63		1	Υ	1943						-	0.00		2038	20	\$ 9,540.00	1	1	needs TP	
9	3521/23	S. Utah			51.63		1	Y	1943						-	0.00		2038	20	\$ 9,540.00	1	1	needs minor TP	
9	3525-27	S. Utah				running	1	Y	2006	\$ 6,210.00	\$ 161.35				-	0.00		2086	68	\$ 8,900.00	1	1	needs minor TP	
9	3529	S. Utah				running	1	Y	2016	\$ 9,995.00					-	0.00		2096	78	\$ 9,540.00	4	0	cracking in front step	renovated under 2016 contract
9	3531-33	S. Utah			48.13		1	Υ	2006	\$ 6,210.00					-	0.00		2086	68	\$ 8,900.00	1	1	needs minor TP	needs TP on first course
9	3535	S. Utah			26.39		1		1943					155	If \$	930.00		2040	22	\$ 4,880.00	2	2		needs TP; loose brick on right
9	3537/39	S. Utah			51.63		1	Y	1943						-	0.00		2038	20	\$ 9,540.00	1	1		, ,
9	3541/43	S. Utah			51.63		1	Υ	1943						-	0.00		2038	20	\$ 9,540.00	1	1	needs minor TP	minor TP needed on column
9	3545	S. Utah			26.39		1			\$ 5,150.00	\$ 196.88				-	0.00		2096	78	\$ 4,880.00	5	0	needs complete rebuild	renovated under 2016 contract
9	3547	S. Utah			26.39		1		2016	\$ 5,150.00					-	0.00		2096	78	\$ 4,880.00	5	0	needs complete rebuild	renovated under 2016 contract
9	3549	S. Utah				basket	2		1943	. ,					-	0.00		2038	20	\$ 4,880.00	1	1	patched; co-owner is happy but repair	
0	4301	S. 36th	67			running	1		2017	\$ 4,790.00	\$ 205.90				-	0.00		2097	79	\$ 4,300.00	5	0	forward; past patch job did not last, co-	renovated under 2016 contract
10	4303/05	S. 36th	118	63	51.63	running	1	Y	1943					90	If \$	540.00		2040	22	\$ 9,540.00	2	2	brick	
10	4307/09	S. 36th			51.63		1	Y	1943					80	If \$	480.00		2036	18	\$ 9,540.00	2	2	brick	
10	4311	S. 36th	67		23.26		1		2017	\$ 4,790.00	\$ 205.90				-	0.00		2097	79	\$ 4,300.00	4	0		renovated under 2016 contract
0	4313-15	S. 36th	118	63	51.63	basket	1	Y	1943						-	0.00		2028	10	\$ 9,540.00	2	3		needs TP in front
0	4317	S. 36th				basket	1	Υ	1943						-	0.00		2028	10	\$ 8,900.00		3	railings	needs TP in front
0		S. 36th				basket	1	Υ	1943			\$ 6,400.00	\$ 123.97		-	0.00	1	2019	1	\$ 9,540.00	3	4	tripping hazard on front edge	repairable by TP; have REI inspect
10		S. 36th				running	1		1943					50	If \$	300.00		2036	18	\$ 4,300.00	1	2		needs TP in front
0		S. 36th				running	1	Υ	1943						-	0.00		2038	20	\$ 9,540.00	1	1	needs minor TP	
10		S. 36th				running	1	Y	1943						-	0.00		2038		\$ 9,540.00	1	1		
0	4333/35	S. 36th				running		Y	1943						-	0.00		2038		\$ 9,540.00	2	1	needs TP	
0		S. 36th				running		Y	1943							2,430.00		2045	27	\$ 9,540.00	2	2	needs TP	
0	4341/43	S. 36th	118	63	51.63	running	1	Υ	1943					405	If \$	2,430.00		2045	27	\$ 9,540.00	2	2	needs TP	

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Appendix A14 - Supporting Estimate for Masonry Stoop Repair/Replacement (5.5.1)

												Anticipat	ed Avg Life E	expecta	ncy of I	New Stoop	yrs)	80	J		TP = tucl	kpointing		
urt	Address	Street	Dimension		ea	Bond	Steps		Year Last	Historical		Anticipated Cost			•	d Cost of	Determ.	Antic.	Calc.	Estimated	2016	2018	2016 Comments	2018 Comments
			(inches)	(S	F)	Pattern		? (Y/N)	Rebuilt	Cost to	Unit Cost	to Rebuild in	Cost to	•	•	in Phase II	Remainin		Remain.		Ranking	_		
										Rebuild	to Rebuild	Phase II	Rebuild	(2019) l	by KGS	g Useful	Year	Useful	Cost in 2018\$	0-5	0-5		
											(per sf) adj for infl.	(2019) bv KGS	per KGS Bid				Life		Life		(a=wors	(5=wors		
											auj ioi iiiii.	by Ruo	Diu		1						''	,		
	4201	S. 36th	67 50			basket	1		1943					220	If S	1,320.00)	2045	27	\$ 4,300.00	3	2	needs one brick reset and TP	
1	4203/05	S. 36th		3 51	_	basket	1	Y	1943						-	0.00)	2038	20	\$ 9,540.00	1	1	needs minor TP	loose brick on left side
1	4207/09	S. 36th	118 63			basket	1	Y	1943						-	0.00)	2038	20	\$ 9,540.00	1	1	needs minor TP	
1	4215	S. 36th	67 50			running	1		1943						-	0.00)	2038	20	\$ 4,300.00	1	1	no cracks; looks like it was repaired	TD: ()
1	4217/19	S. 36th			_	running	1	Y	1943						-	0.00)	2038	20	\$ 9,540.00	2	1	needs TP	needs minor TP in front
1	4221/23	S. 36th	118 63			running	1	Y	1943	A 0 005 00				55	If S		J	2036	18	\$ 9,540.00	3	2	needs TP	needs TP in front
1	4227-29	S. 36th	118 63			basket	1	Y		\$ 9,995.00					-	0.00)	2098	80	\$ 9,540.00	4	0		renovated under 2016 contract
1	4231-33	S. 36th	118 63		_	basket	1	Y	1943						-	0.00)	2028	10	\$ 9,540.00	3	3		
1	4235-37	S. 36th	118 63			basket	1	Y	1943					65	If S		J	2036	18	\$ 9,540.00	2	2		
1	3588-90	S. Stafford				running	1	Y	1943	A 0 005 00					-	0.00)	2028	10	\$ 9,540.00	3	3	crack under column on right	
-	3592-94	S. Stafford				running	1	Y		\$ 9,995.00					-	0.00		2098	80	\$ 9,540.00	5	0	needs rebuild	renovated under 2016 contract
1	3596/98	S. Stafford	118 63	3 51	.63	running	1	Υ	1943					55	If S	330.00)	2036	18	\$ 9,540.00	2	2	needs TP	
2	2540	C. Ctofford	70 50	0.00	20	h o o least	4		1042							0.00		2020	10	¢ 4,000,00	2	2	loogo bright on right oids	
	3548	S. Stafford		0 26	_	basket	1	Y	1943						-	0.00)	2028	10	\$ 4,880.00	3	0	loose brick on right side needs minor TP	don't ass any problems
	3550/52	S. Stafford	118 63		_	basket		Y	1943						-	0.00)	2023	5	\$ 9,540.00	1	0		don't see any problems
	3554/56	S. Stafford	118 63			basket	1		1943						-	0.00)	2038	20	\$ 9,540.00	1	1	needs minor TP	and arise TD
2	3558	S. Stafford	76 50			basket	1		1943	₾ 0 40E 00	 # 100.00				-	0.00	J	2038	20	\$ 4,880.00	2		needs TP	needs minor TP
2	3560	S. Stafford	76 50			basket	1		2006	\$ 3,425.00				105	- 0	0.00)	2086	68	\$ 4,880.00	2	1	reset the brick	reset
	3562	S. Stafford	76 50			basket	0		1943			ф F 000 00	 # 000 F0	133	If S		J 4	2040	22	\$ 4,880.00	3	2	needs TP soon; significant missing grout	
	3564	S. Stafford	67 50		_	running	1	V	1943			\$ 5,200.00		00	- 0	0.00) I	2019	1	\$ 4,300.00	2	2	needs TP	needs TD in front
	3566/68	S. Stafford	118 63			running	1	Y	1943					90	If S		J	2040	22	\$ 9,540.00	3	2	needs TP	needs TP in front
	3570	S. Stafford	110 63		_	running	1	Y	1943						-	0.00)	2038	20	\$ 8,900.00	1	1	needs minor TP	
	3572/74	S. Stafford	118 63			running	1	Y	1943	¢ 5 150 00	e 001.07				-	0.00)	2038	20	\$ 9,540.00	 	0	needs minor TP	renewated under 2016 centract
	3576	S. Stafford	67 50			basket	1	V		\$ 5,150.00				CE	- 0	0.00)	2098 2036	80	\$ 4,300.00	5	0	major cracking needs TP	renovated under 2016 contract
	3578/80	S. Stafford		3 51		basket	1	Y	1943	¢ 0 005 00	e 102 61			65	If S	390.00)		18	\$ 9,540.00 \$ 9,540.00	2	2		renovated under 2016 central
2	3582-84	S. Stafford	118 63	3 DI	.03	Dasket	1	Y	2010	\$ 9,995.00	\$ 193.01				-	0.00	J	2098	80	\$ 9,540.00	4	U	front edge is falling forward	renovated under 2016 contract
3	3512/14	S. Stafford	118 63	3 51	63	running	1	Υ	1943					45	lf S	\$ 270.00		2036	18	\$ 9,540.00	2	2	needs TP	
	3516/18	S. Stafford	118 63			running	1	Y	1943					50				2036	18	\$ 9,540.00	2	2	needs TP	
	3520	S. Stafford				running	1	Y	1943						- '	0.00)	2038	20	\$ 9,540.00	1	1	needs minor TP	
	3522	S. Stafford	67 50			running	1	'	1943						-	0.00		2038	20	\$ 4,300.00	1	1	needs minor TP	
3	3524	S. Stafford		0 23		basket	1	1	1943						-	0.00		2038	20	\$ 4,300.00	1	1	needs minor TP	
	3526/28	S. Stafford	118 63				1	Υ	1943						-	0.00)	2038	20	\$ 9,540.00	1	1	needs minor TP	
	3530/32	S. Stafford	118 63	3 51	63	hasket	1	Y	1943			\$ 6,400.00	1		-	0.00	1	2019		\$ 9,540.00	3	4	tuckpointing needed	tuckpointing needed
	3534	S. Stafford				running	1	<u> </u>	1943			φ σ, ισσ.σσ	φ 120.01		-	0.00)	2038	20	\$ 4,300.00	1	1	hairline crack	Lackpointing needed
	3536	S. Stafford	118 63				1	Y	1943						-	0.00)	2038	20	\$ 9,540.00	1	1	needs minor TP	
	3538-40	S. Stafford	118 63				1	Y	1943						-	0.00)	2028		\$ 9,540.00		3	needs TP	
	3542-44	S. Stafford	118 63				1	Y	1943						-	0.00)	2028		\$ 9,540.00		3	needs TP	
_		o. o.unoru	1.13	- 101	.55	· unining			1010							0.00				3,010.00				
4	3500	S. Stafford	67 50	0 51	.63	basket	1		1943						-	0.00		2038	20	\$ 9,540.00	1	1	needs minor TP	
	4202	S. 35th	67 50				1	Y	1943						-	0.00		2038		\$ 9,540.00	1	1	needs minor TP	
	4204/06	S. 35th	118 63				1	Y	1943						-	0.00		2038		\$ 9,540.00	1	1	needs minor TP	
	4208/10	S. 35th	118 63				1	Y	1943						-	0.00)	2028	10	\$ 9,540.00		3	section is good; needs major TP now;	
	4216	S. 35th	110 63				1	Y	1943						-	0.00)	2028	10	\$ 9,540.00		3	high 3	regular 3
	4218	S. 35th	110 63					+ .	1943							0.00		2028	10	\$ 9,540.00		3	high 3	loose brick on first step, right side

2019 Capital Reserve Study feature for the first feature feature for the first feature for the first feature feature for the first feature feature

Appendix A14 - Supporting Estimate for Masonry Stoop Repair/Replacement (5.5.1)

											_												
Court	Address	Street	Dimension			Bond	Steps	Columns	Year Last	Historical	Historical <i>I</i>	Anticipated Cost	2019 Unit		cipated Cost o	Determ	Antic.	Calc.	Estimated	2016	2018	2016 Comments	2018 Comments
			(inches)	(SF) Pa	attern		? (Y/N)	Rebuilt		Unit Cost	to Rebuild in	Cost to	•	nting in Phase		n Rebuild	Remain.	Replacement		_		
										Rebuild	to Rebuild	Phase II	Rebuild	(2	019) by KGS	g Usefu	Year	Useful	Cost in 2018\$		0-5		
											(per sf)	(2019)	per KGS			Life		Life		(5=wors	(5=wors		
											adj for infl.	by KGS	Bid							t)	t)		
15	4226/28	S. 35th	118 63	51.6	33 ba	asket	1	Υ	1943					405	If \$ 2,430	.00	2045	27	\$ 9,540.00	3	2	TP job didn't work	
15	4230-32	S. 35th	118 63	51.6		asket	1	Y	1943						- (.00	2038	20	\$ 9,540.00	1	1	rebuilt; needs minor TP	
15	4234	S. 35th	67 50	23.2	26 ba	asket	1		1943					195	If \$ 1,170	.00	2045	27	\$ 4,300.00	2	2	needs TP	
15	4236-38	S. 35th	110 63	48.1	3 rui	nning	1	Y	1943						- (.00	2028	10	\$ 8,900.00	3	3	needs TP	high 3
15	4240	S. 35th	118 63			nning	1	Y	1943						- (.00	2028	10	\$ 9,540.00	3	3	needs TP	
15	4242-44	S. 35th	110 63			nning	1	Y	2017	\$ 9,995.00	\$ 207.69				- (.00	2097	79	\$ 8,900.00	5	0	cracked front step falling forward	renovated under 2016 contract
15	4246/48	S. 35th	118 63	_		asket	1	Υ	1943						- (.00	2028	10	\$ 9,540.00	3	3	front step; high 3	
15	4250/52	S. 35th	118 63			asket	1	Υ	1943							.00	2038	20	\$ 9,540.00	3	1	shape	
15	4254	S. 35th	76 50			asket	1		1943							.00	2028	10	\$ 4,880.00	2	3	needs TP	left edge leaning over
15	4256	S. 35th	76 50			nning	1		2006	\$ 3,425.00				220	lf \$ 1,320	.00	2098	80	\$ 4,880.00	2	2	needs TP	
15	4258/60	S. 35th	118 63			nning	1	Y	2017	\$ 9,995.00					- (.00	2097	79	\$ 9,540.00	4	0	long widening crack on front step	renovated under 2016 contract
15	4262/64	S. 35th	118 63			nning	1	Υ	2006	\$ 6,650.00	\$ 161.07				- (.00	2086	68	\$ 9,540.00	1	1	needs minor TP	
15	4266/68	S. 35th	110 63		_	asket	1	Υ	1943							.00	2028	10	\$ 8,900.00	3	3	needs TP	
15	4270	S. 35th	118 63		33 ba		1	Y	1943						- (.00	2038	20	\$ 9,540.00	1	1	needs minor TP	
15	4272/74	S. 35th	110 63		3 ba		1	Y	1943						- (.00	2028	10	\$ 8,900.00	2	3	needs TP	front edge moving forward
15	4276/78	S. 35th		51.6			1	Y	1943						- (.00	2038	20	\$ 9,540.00	1	1	hairline cracks needs caulk	
15	4280/82	S. 35th		51.6			1	Υ	1943							.00	2038	20	\$ 9,540.00	1	1	needs minor TP	
15	4284	S. 35th	67 50	23.2	26 rui	nning	1		1943						- (.00	2038	20	\$ 4,300.00	1	1	needs minor TP	
- 12	1000	0.07							10.10							0.0	0000	_	, , , , , , , , , , , , , , , , , , ,				
16	4300	S. 35th	118 63	_		asket	1	Y	1943					200		.00	2023	5	\$ 9,540.00	0	0		
16	4302	S. 35th	76 50			asket	1		1943					220	lf \$ 1,320		2045	27	\$ 4,880.00	2	2	needs TP	
16	4304	S. 35th	76 50			asket	1	.,,	1943							.00	2038	20	\$ 4,880.00	1	1	needs minor TP	
16	4310/12	S. 35th	118 63		33 rui		1	Y	1943							.00	2038	20	\$ 9,540.00	1	1	needs minor TP	
16	4314/16	S. 35th		51.6			1	Y	1943							.00	2028 2038	10	\$ 9,540.00 \$ 9.540.00	3	3	reappearing needs minor TP	
16	4318/20	S. 35th	118 63	51.6	3 rui	nning	1	Ť	1943						-	.00	2038	20	\$ 9,540.00		l	Ineeds Hillion TP	
Totala	101			.11	ш		010																
Totals %	181			#	#	-	216	0%			Historical a	di for Inflation	201	٥								-	
									nit Coet to	Dobuild Stoop		,			ę suu	Ct /ctoop				1 70	1 46		
Average								Average U	iii Gost lo	Rebuild Stoop	३ 104.00 /	51	\$ 152.96	/81	\$ 208	61 /stoop		~~ ~=		1.78	1.46		

Average Remaining Useful Life 29.87 Total Estimated Replacement Value of all Stoops \$1,464,290.00

Anticipated Avg Life Expectancy of New Stoop (yrs)

TP = tuckpointing

2019 Capital Reserve Study 6/14/2019 prepared by : Fairlington Glen Condominium 5 of 5 Restoration Engineering, Inc.

Appendix A15 - Supporting Estimate for Portico Refurbishment (5.5.2)

Court	Address	Street	Portico Style (A, B, C or D)	Columns ? (Y/N)	Approx. Age (yrs)	Estimated Useful Life (yrs)	Determ. Remainin g Useful Life	Antic. Rebuild Year	Re	stimated placement et in 2018\$	2018 Comments
1	3501	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
1	3503	S. Stafford	Style A		75	100	25	2043	\$	4,500.00	
1	3507 A/B	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
1	3509 A/B	S. Stafford	Style B	Υ	75	100	25	2043	\$	5,225.00	
1	3511	S. Stafford	Style A		75	100	25	2043	\$	4,500.00	
1	3513 A/B	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
1	3515 A/B	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
1	3517 A/B	S. Stafford	Style B	Υ	75	100	25	2043	\$	5,225.00	
1	3519 A/B	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
1	3521	S. Stafford	Style A		75	100	25	2043	\$	4,500.00	
1	3523 A/B	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
1	3525 A/B	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
1	3527 A/B	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
1	3529 A/B	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
2	3535 A/B	S. Stafford	Style D	Y	75	100	25	2043	\$	6,200.00	
2	3537	S. Stafford	Style D	Y	75	100	25	2043	\$	6,200.00	
2	3539 A/B	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
2	3541	S. Stafford	Style A		75	100	25	2043	\$	4,500.00	
2	3543 A/B	S. Stafford	Style B	Υ	75	100	25	2043	\$	5,225.00	
2	3545	S. Stafford	Style C	Υ	75	100	25	2043	\$	5,400.00	
2	3547 A/B	S. Stafford	Style B	Υ	75	100	25	2043	\$	5,225.00	
2	3549 A/B	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
2	3551	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
2	3553 A/B	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
2	3555	S. Stafford	Style A		75	100	25	2043	\$	4,500.00	
3	3561	S. Stafford	Style A		75	100	25	2043	\$	4,500.00	
3	3563	S. Stafford	Style C	Υ	75	100	25	2043	\$	5,400.00	
3	3565 A/B	S. Stafford	Style D	Y	75	100	25	2043	\$	6,200.00	
3	3567	S. Stafford	Style A	'	75	100	25	2043	\$	4,500.00	
3	3569 A/B	S. Stafford	Style B	Υ	75	100	25	2043	\$	5,225.00	
3	3571	S. Stafford	Style C	Y	75	100	25	2043	\$	5,400.00	
3	3573 A/B	S. Stafford	Style B	Y	75	100	25	2043	\$	5,225.00	
3	3575 A/B	S. Stafford		1 I	10			2043	Ψ	J.ZZJ.UU	
3	3575 A/B			V				20/12	¢		
			Style B	Y	75	100	25	2043	\$	5,225.00	
		S. Stafford	Style B Style B	Y	75 75	100 100	25 25	2043	\$	5,225.00 5,225.00	
3	3579	S. Stafford S. Stafford	Style B Style B Style A	Y	75 75 75	100 100 100	25 25 25	2043 2043	\$	5,225.00 5,225.00 4,500.00	
3	3579 3581	S. Stafford S. Stafford S. Stafford	Style B Style B Style A Style C		75 75 75 75	100 100 100 100	25 25 25 25 25	2043 2043 2043	\$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00	
3 3 3	3579 3581 3583	S. Stafford S. Stafford S. Stafford S. Stafford	Style B Style B Style A Style C Style A	Y	75 75 75 75 75	100 100 100 100 100	25 25 25 25 25 25	2043 2043 2043 2043	\$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00 4,500.00	
3	3579 3581	S. Stafford S. Stafford S. Stafford	Style B Style B Style A Style C	Y	75 75 75 75	100 100 100 100	25 25 25 25 25	2043 2043 2043	\$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00	
3 3 3	3579 3581 3583	S. Stafford S. Stafford S. Stafford S. Stafford	Style B Style B Style A Style C Style A	Y	75 75 75 75 75 75 75	100 100 100 100 100	25 25 25 25 25 25	2043 2043 2043 2043	\$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00 4,500.00	
3 3 3 3	3579 3581 3583 3585	S. Stafford S. Stafford S. Stafford S. Stafford S. Stafford S. Stafford	Style B Style B Style A Style C Style A Style A	Y	75 75 75 75 75 75 75 75	100 100 100 100 100 100	25 25 25 25 25 25 25 25	2043 2043 2043 2043 2043 2043 2043	\$ \$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00 4,500.00 4,500.00 4,500.00	
3 3 3 3	3579 3581 3583 3585 4101	S. Stafford	Style B Style B Style A Style C Style A Style A Style A	Y	75 75 75 75 75 75 75	100 100 100 100 100 100	25 25 25 25 25 25 25 25	2043 2043 2043 2043 2043 2043	\$ \$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00 4,500.00 4,500.00	
3 3 3 3 4 4	3579 3581 3583 3585 4101 4103	S. Stafford S. Stafford S. Stafford S. Stafford S. Stafford S. Stafford S. 36th S. 36th	Style B Style B Style A Style C Style A Style A Style A Style A	Y	75 75 75 75 75 75 75 75	100 100 100 100 100 100 100	25 25 25 25 25 25 25 25 25 25 25 25 25 2	2043 2043 2043 2043 2043 2043 2043	\$ \$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00 4,500.00 4,500.00 4,500.00	
3 3 3 3 4 4 4	3579 3581 3583 3585 4101 4103 4105/07	S. Stafford S. Stafford S. Stafford S. Stafford S. Stafford S. Stafford S. 36th S. 36th S. 36th	Style B Style B Style A Style C Style A Style A Style A Style A Style B Style B	Y	75 75 75 75 75 75 75 75 75	100 100 100 100 100 100 100 100	25 25 25 25 25 25 25 25 25 25 25 25	2043 2043 2043 2043 2043 2043 2043 2043	\$ \$ \$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00 4,500.00 4,500.00 4,500.00 4,500.00 5,225.00	
3 3 3 3 4 4 4 4	3579 3581 3583 3585 4101 4103 4105/07 4109/11 4113	S. Stafford S. Stafford S. Stafford S. Stafford S. Stafford S. Stafford S. 36th S. 36th S. 36th S. 36th S. 36th	Style B Style B Style A Style C Style A Style A Style A Style A Style B Style B Style A	Y	75 75 75 75 75 75 75 75 75 75 75	100 100 100 100 100 100 100 100 100 100	25 25 25 25 25 25 25 25 25 25 25 25 25 2	2043 2043 2043 2043 2043 2043 2043 2043	\$ \$ \$ \$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00 4,500.00 4,500.00 4,500.00 4,500.00 5,225.00 5,225.00	
3 3 3 3 4 4 4 4 4	3579 3581 3583 3585 4101 4103 4105/07 4109/11	S. Stafford S. Stafford S. Stafford S. Stafford S. Stafford S. Stafford S. 36th S. 36th S. 36th S. 36th	Style B Style B Style A Style C Style A Style A Style A Style A Style B Style B Style A Style B Style A Style B Style A Style D	Y	75 75 75 75 75 75 75 75 75 75 75 75	100 100 100 100 100 100 100 100 100 100	25 25 25 25 25 25 25 25 25 25 25 25 25 2	2043 2043 2043 2043 2043 2043 2043 2043	\$ \$ \$ \$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00 4,500.00 4,500.00 4,500.00 4,500.00 5,225.00 5,225.00 4,500.00	
3 3 3 3 4 4 4 4 4 4	3579 3581 3583 3585 4101 4103 4105/07 4109/11 4113 4115-17	S. Stafford S. Stafford S. Stafford S. Stafford S. Stafford S. Stafford S. 36th	Style B Style A Style C Style A Style A Style A Style A Style B Style B Style B Style A Style B Style A Style A Style B Style A Style A Style A	Y	75 75 75 75 75 75 75 75 75 75 75 75 75 7	100 100 100 100 100 100 100 100 100 100	25 25 25 25 25 25 25 25 25 25 25 25 25 2	2043 2043 2043 2043 2043 2043 2043 2043	\$ \$ \$ \$ \$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00 4,500.00 4,500.00 4,500.00 5,225.00 5,225.00 4,500.00 6,200.00	
3 3 3 3 4 4 4 4 4 4 4	3579 3581 3583 3585 4101 4103 4105/07 4109/11 4113 4115-17 4119	S. Stafford S. 36th	Style B Style A Style C Style A Style A Style A Style A Style B Style B Style B Style A Style A Style B Style A	Y	75 75 75 75 75 75 75 75 75 75 75 75 75 7	100 100 100 100 100 100 100 100 100 100	25 25 25 25 25 25 25 25 25 25 25 25 25 2	2043 2043 2043 2043 2043 2043 2043 2043	\$ \$ \$ \$ \$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00 4,500.00 4,500.00 4,500.00 5,225.00 5,225.00 4,500.00 6,200.00 4,500.00 4,500.00	
3 3 3 3 4 4 4 4 4 4 4 4	3579 3581 3583 3585 4101 4103 4105/07 4109/11 4113 4115-17 4119 4121 4123	S. Stafford S. 36th	Style B Style A Style C Style A Style A Style A Style A Style B Style B Style B Style B Style A Style A Style A Style A Style A Style C	Y	75 75 75 75 75 75 75 75 75 75 75 75 75 7	100 100 100 100 100 100 100 100 100 100	25 25 25 25 25 25 25 25 25 25 25 25 25 2	2043 2043 2043 2043 2043 2043 2043 2043	\$ \$ \$ \$ \$ \$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00 4,500.00 4,500.00 4,500.00 5,225.00 5,225.00 4,500.00 6,200.00 4,500.00 5,400.00 5,400.00	
3 3 3 3 4 4 4 4 4 4 4 4 4 4 4	3579 3581 3583 3585 4101 4103 4105/07 4109/11 4113 4115-17 4119 4121 4123 4125	S. Stafford S. 36th	Style B Style A Style C Style A Style A Style A Style A Style A Style B Style B Style B Style A Style A Style A Style C Style C Style A	Y Y Y Y Y Y	75 75 75 75 75 75 75 75 75 75 75 75 75 7	100 100 100 100 100 100 100 100 100 100	25 25 25 25 25 25 25 25 25 25 25 25 25 2	2043 2043 2043 2043 2043 2043 2043 2043	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00 4,500.00 4,500.00 4,500.00 5,225.00 5,225.00 4,500.00 6,200.00 4,500.00 4,500.00 4,500.00 4,500.00 4,500.00	
3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4	3579 3581 3583 3585 4101 4103 4105/07 4109/11 4113 4115-17 4119 4121 4123 4125 4127/29	S. Stafford S. 36th	Style B Style A Style C Style A Style A Style A Style A Style B Style B Style B Style B Style A Style C Style C Style C Style C Style A Style C Style A Style C	Y	75 75 75 75 75 75 75 75 75 75 75 75 75 7	100 100 100 100 100 100 100 100 100 100	25 25 25 25 25 25 25 25 25 25 25 25 25 2	2043 2043 2043 2043 2043 2043 2043 2043	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00 4,500.00 4,500.00 4,500.00 5,225.00 5,225.00 4,500.00 6,200.00 4,500.00 6,200.00 4,500.00 6,200.00 6,200.00 6,200.00	
3 3 3 3 4 4 4 4 4 4 4 4 4 4	3579 3581 3583 3585 4101 4103 4105/07 4109/11 4113 4115-17 4119 4121 4123 4125 4127/29 4131/33	S. Stafford S. 36th	Style B Style B Style A Style C Style A Style A Style A Style A Style B Style B Style B Style B Style D Style A Style C Style C Style C Style C Style C Style D Style D Style D	Y Y Y Y Y Y	75 75 75 75 75 75 75 75 75 75 75 75 75 7	100 100 100 100 100 100 100 100 100 100	25 25 25 25 25 25 25 25 25 25 25 25 25 2	2043 2043 2043 2043 2043 2043 2043 2043	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00 4,500.00 4,500.00 4,500.00 4,500.00 5,225.00 4,500.00 6,200.00 4,500.00 6,200.00 6,200.00 6,200.00 6,200.00 6,200.00	
3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3579 3581 3583 3585 4101 4103 4105/07 4109/11 4113 4115-17 4119 4121 4123 4125 4127/29 4131/33 4135	S. Stafford S. 36th	Style B Style A Style C Style A Style A Style A Style A Style A Style B Style B Style B Style B Style A Style C Style C Style C Style A Style D Style C Style C Style D Style D Style D Style D Style D Style D Style A	Y Y Y Y Y Y	75 75 75 75 75 75 75 75 75 75 75 75 75 7	100 100 100 100 100 100 100 100 100 100	25 25 25 25 25 25 25 25 25 25 25 25 25 2	2043 2043 2043 2043 2043 2043 2043 2043	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00 4,500.00 4,500.00 4,500.00 4,500.00 5,225.00 4,500.00 6,200.00 4,500.00 6,200.00 4,500.00 6,200.00 4,500.00 6,200.00 6,200.00 6,200.00 6,200.00 6,200.00	
3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3579 3581 3583 3585 4101 4103 4105/07 4109/11 4113 4115-17 4119 4121 4123 4125 4127/29 4131/33	S. Stafford S. 36th	Style B Style B Style A Style C Style A Style A Style A Style A Style B Style B Style B Style B Style D Style A Style C Style C Style C Style C Style C Style D Style D Style D	Y Y Y Y Y Y	75 75 75 75 75 75 75 75 75 75 75 75 75 7	100 100 100 100 100 100 100 100 100 100	25 25 25 25 25 25 25 25 25 25 25 25 25 2	2043 2043 2043 2043 2043 2043 2043 2043	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,225.00 5,225.00 4,500.00 5,400.00 4,500.00 4,500.00 4,500.00 4,500.00 5,225.00 4,500.00 6,200.00 4,500.00 6,200.00 6,200.00 6,200.00 6,200.00 6,200.00	

Appendix A15 - Supporting Estimate for Portico Refurbishment (5.5.2)

Court	Address	Street	Portico Style (A, B, C or D)	Columns ? (Y/N)	Approx. Age (yrs)	Estimated Useful Life (yrs)	Determ. Remainin g Useful Life	Antic. Rebuild Year	Re	Estimated eplacement string 2018\$	2018 Comments
5	4100	S. 36th	Style A		75	100	25	2043	\$	4,500.00	
5	4102	S. 36th	Style A		75	100	25	2043	\$	4,500.00	
5	4104/06	S. 36th	Style B	Υ	75	100	25	2043	\$	5,225.00	
5	4108/10	S. 36th	Style B	Υ	75	100	25	2043	\$	5,225.00	
5	4112/14	S. 36th	Style D	Υ	75	100	25	2043	\$	6,200.00	
5	4116	S. 36th	Style A		75	100	25	2043	\$	4,500.00	
5	4118	S. 36th	Style C	Υ	75	100	25	2043	\$	5,400.00	
5	4122-24	S. 36th	Style D	Υ	75	100	25	2043	\$	6,200.00	
5	4126-28	S. 36th	Style D	Υ	75	100	25	2043	\$	6,200.00	
		0.000			7.5	400	0.5	00.40		4 500 00	
6	4130	S. 36th	Style A		75	100	25	2043	\$	4,500.00	
6	4132	S. 36th	Style A		75	100	25	2043	\$	4,500.00	
6	4134	S. 36th	Style A	\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	75	100	25	2043	\$	4,500.00	
6	4136/38	S. 36th	Style D	Y	75	100	25	2043	\$	6,200.00	
6	4140/42	S. 36th	Style D	Y	75 75	100	25	2043	\$	6,200.00	
6	4144	S. 36th	Style A	\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	75	100	25	2043	\$	4,500.00	
6	4146-48	S. 36th	Style B	Y	75 75	100	25	2043	\$	5,225.00	
6	4150/52	S. 36th	Style B	Y	75	100	25	2043	\$	5,225.00	
6	4154/56	S. 36th	Style B	Y	75	100	25	2043	\$	5,225.00	
6	4158/60	S. 36th	Style D	Y	75	100	25	2043	\$	6,200.00	
6	4162/64	S. 36th	Style B	Υ	75	100	25	2043	\$	5,225.00	
6	4166	S. 36th	Style A		75	100	25	2043	\$	4,500.00	
6	4168/70	S. 36th	Style D	Y	75	100	25	2043	\$	6,200.00	
6	4172/74	S. 36th	Style D	Y	75 75	100	25	2043 2043	\$	6,200.00	
6	4176	S. 36th	Style A		75	100	25	2043	\$	4,500.00	
7	4200-02	S. 36th	Style B	Υ	75	100	25	2043	\$	5,225.00	
7	4204	S. 36th	Style C	Υ	75	100	25	2043	\$	5,400.00	
7	4206-08	S. 36th	Style B	Υ	75	100	25	2043	\$	5,225.00	
7	4210	S. 36th	Style C	Υ	75	100	25	2043	\$	5,400.00	
7	4212	S. 36th	Style C	Υ	75	100	25	2043	\$	5,400.00	
8	3601/03	S. Taylor	Style D	Υ	75	100	25	2043	\$	6,200.00	
8	3605/07	S. Taylor	Style D	Υ	75	100	25	2043	\$	6,200.00	
8	3609	S. Taylor	Style A		75	100	25	2043	\$	4,500.00	
8	3611	S. Taylor	Style C	Υ	75	100	25	2043	\$	5,400.00	
8	3613	S. Taylor	Style A		75	100	25	2043	\$	4,500.00	
8	3615-17	S. Taylor	Style B	Υ	75	100	25	2043	\$	5,225.00	
8	3619-21	S. Taylor	Style B	Υ	75	100	25	2043	\$	5,225.00	
8	3623/25	S. Taylor	Style B	Υ	75	100	25	2043	\$	5,225.00	
0	2512/15	C Litab	Chulo D	V	75	100	25	20.42	¢	6 200 00	
9	3513/15	S. Utah	Style D	Y	75 75	100	25	2043	\$	6,200.00	
9	3517/19	S. Utah	Style B	Y	75 75	100 100	25 25	2043 2043	\$	5,225.00 6,200.00	
9	3521/23	S. Utah	Style D						\$		
9	3525-27	S. Utah	Style B	Y	75 75	100 100	25 25	2043 2043	\$	5,225.00	
9	3529 3531-33	S. Utah	Style C	Y	75 75	100	25	2043	\$	5,400.00 5,225.00	
		S. Utah	Style B	Ť	75 75	100		2043	\$		
9	3535 3537/39	S. Utah	Style A	Y	75 75	100	25 25	2043	\$	4,500.00 6,200.00	
9		S. Utah	Style D	Y	75 75	100	25 25	2043		6,200.00	
9	3541/43	S. Utah	Style D	Y	75 75			2043	\$		
9	3545	S. Utah	Style A		75 75	100	25		\$	4,500.00	
9	3547	S. Utah	Style A		75 75	100	25	2043 2043	\$	4,500.00	
9	3549	S. Utah	Style A		10	100	25	2043	\$	4,500.00	

Appendix A15 - Supporting Estimate for Portico Refurbishment (5.5.2)

Court	Address	Street	Portico Style (A, B, C or D)	Columns ? (Y/N)	Approx. Age (yrs)	Estimated Useful Life (yrs)	Determ. Remainin g Useful Life	Antic. Rebuild Year	Rej	stimated placement it in 2018\$	2018 Comments
10	4301	S. 36th	Style A		75	100	25	2043	\$	4,500.00	
10	4303/05	S. 36th	Style D	Υ	75	100	25	2043	\$	6,200.00	
10	4307/09	S. 36th	Style D	Y	75	100	25	2043	\$	6,200.00	
10	4311	S. 36th	Style A		75	100	25	2043	\$	4,500.00	
10	4313-15	S. 36th	Style D	Υ	75	100	25	2043	\$	6,200.00	
10	4317	S. 36th	Style C	Υ	75	100	25	2043	\$	5,400.00	
10	4319-21	S. 36th	Style D	Υ	75	100	25	2043	\$	6,200.00	
10	4323	S. 36th	Style A		75	100	25	2043	\$	4,500.00	
10	4325/27	S. 36th	Style D	Υ	75	100	25	2043	\$	6,200.00	
10	4329/31	S. 36th	Style B	Υ	75	100	25	2043	\$	5,225.00	
10	4333/35	S. 36th	Style D	Υ	75	100	25	2043	\$	6,200.00	
10	4337/39	S. 36th	Style B	Υ	75	100	25	2043	\$	5,225.00	
10	4341/43	S. 36th	Style D	Υ	75	100	25	2043	\$	6,200.00	
-11	4201	C 2C+b	Ctulo A		75	100	25	2043	ı ¢	4,500.00	
11	4201 4203/05	S. 36th S. 36th	Style A	Y	75 75	100	25	2043	\$	6,200.00	
11	4203/05	S. 36th	Style D Style D	Y	75	100	25	2043	\$	6,200.00	
11	4207/09	S. 36th	Style D	Ť	75	100	25	2043	\$	4,500.00	
11	4217/19	S. 36th	Style A Style D	Y	75	100	25	2043	\$	6,200.00	
11	4217/19	S. 36th	Style D	Y	75	100	25	2043	\$	6,200.00	
11	4227-29	S. 36th	Style D	Y	75	100	25	2043	\$	6,200.00	
11	4231-33	S. 36th	Style B	Y	75	100	25	2043	\$	5,225.00	
11	4235-37	S. 36th	Style D	Y	75	100	25	2043	\$	6,200.00	
11	3588-90	S. Stafford	Style D	Y	75	100	25	2043	\$	6,200.00	
11	3592-94	S. Stafford	Style B	Y	75	100	25	2043	\$	5,225.00	
11	3596/98	S. Stafford	Style D	Y	75	100	25	2043	\$	6,200.00	
	, , , , , , , , , , , , , , , , , , , ,									,	
12	3548	S. Stafford	Style A		75	100	25	2043	\$	4,500.00	
12	3550/52	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
12	3554/56	S. Stafford	Style D		75	100	25	2043	\$	6,200.00	
12	3558	S. Stafford	Style A		75	100	25	2043	\$	4,500.00	
12	3560	S. Stafford	Style A		75	100	25	2043	\$	4,500.00	
12	3562	S. Stafford	Style A		75	100	25	2043	\$	4,500.00	
12	3564	S. Stafford	Style A	.,	75	100	25	2043	\$	4,500.00	
12	3566/68	S. Stafford	Style B	Y	75	100	25	2043	\$	5,225.00	
12	3570	S. Stafford	Style C	Y	75	100	25	2043	\$	5,400.00	
12	3572/74	S. Stafford	Style B	Υ	75	100	25	2043	\$	5,225.00	
12	3576	S. Stafford	Style A		75	100	25	2043	\$	4,500.00	
12	3578/80	S. Stafford	Style D	Y	75	100	25	2043	\$	6,200.00	
12	3582-84	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
13	3512/14	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
13	3516/18	S. Stafford	Style D	Y	75	100	25	2043	\$	6,200.00	
13	3510/10	S. Stafford	Style C	Y	75	100	25	2043	\$	5,400.00	
13	3522	S. Stafford	Style A	<u>'</u>	75	100	25	2043	\$	4,500.00	
13	3524	S. Stafford	Style A		75	100	25	2043	\$	4,500.00	
13	3526/28	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
13	3530/32	S. Stafford	Style D	Y	75	100	25	2043	\$	6,200.00	
13	3534	S. Stafford	Style A	<u> </u>	75	100	25	2043	\$	4,500.00	
13	3536	S. Stafford	Style C	Υ	75	100	25	2043	\$	5,400.00	
13	3538-40	S. Stafford	Style D	Υ	75	100	25	2043	\$	6,200.00	
13	3542-44	S. Stafford	Style C	Υ	75	100	25	2043	\$	5,400.00	
14	3500	S. Stafford	Style A		75	100	25	2043	\$	4,500.00	
14	4202	S. 35th	Style A	Υ	75	100	25	2043	\$	4,500.00	
14	4204/06	S. 35th	Style D	Υ	75	100	25	2043	\$	6,200.00	
14	4208/10	S. 35th	Style D	Y	75	100	25	2043	\$	6,200.00	
14	4216	S. 35th	Style C	Υ	75	100	25	2043	\$	5,400.00	
14	4218	S. 35th	Style C		75	100	25	2043	\$	5,400.00	

Appendix A15 - Supporting Estimate for Portico Refurbishment (5.5.2)

Court	Address	Street	Portico Style	Columns	Approx.	Estimated	Determ.	Antic.	Estimated	2018 Comments
Journ	Audicoo	Olloot	(A, B, C or D)	? (Y/N)	Age	Useful Life	Remainin	Rebuild	Replacement	2010 Commonto
			(11, 5, 6 6, 5)	. (.,,	(yrs)	(yrs)	g Useful	Year	Cost in 2018\$	
					(3.0)	(3.0)	Life	1041	•	
15	4226/28	S. 35th	Style D	Υ	75	100	25	2043	\$ 6,200.00	
15	4230-32	S. 35th	Style D	Υ	75	100	25	2043	\$ 6,200.00	
15	4234	S. 35th	Style A		75	100	25	2043	\$ 4,500.00	
15	4236-38	S. 35th	Style B	Υ	75	100	25	2043	\$ 5,225.00	
15	4240	S. 35th	Style C	Υ	75	100	25	2043	\$ 5,400.00	
15	4242-44	S. 35th	Style B	Υ	75	100	25	2043	\$ 5,225.00	
15	4246/48	S. 35th	Style D	Υ	75	100	25	2043	\$ 6,200.00	
15	4250/52	S. 35th	Style D	Υ	75	100	25	2043	\$ 6,200.00	
15	4254	S. 35th	Style A		75	100	25	2043	\$ 4,500.00	
15	4256	S. 35th	Style A		75	100	25	2043	\$ 4,500.00	
15	4258/60	S. 35th	Style D	Y	75	100	25	2043	\$ 6,200.00	
15	4262/64	S. 35th	Style D	Υ	75	100	25	2043	\$ 6,200.00	
15	4266/68	S. 35th	Style B	Y	75	100	25	2043	\$ 5,225.00	
15	4270	S. 35th	Style C	Y	75	100	25	2043	\$ 5,400.00	
15	4272/74	S. 35th	Style B	Υ	75	100	25	2043	\$ 5,225.00	
15	4276/78	S. 35th	Style B	Y	75	100	25	2043	\$ 5,225.00	
15	4280/82	S. 35th	Style D	Υ	75	100	25	2043	\$ 6,200.00	
15	4284	S. 35th	Style A		75	100	25	2043	\$ 4,500.00	
			,							
16	4300	S. 35th	Style C	Υ	75	100	25	2043	\$ 5,400.00	
16	4302	S. 35th	Style A		75	100	25	2043	\$ 4,500.00	
16	4304	S. 35th	Style A		75	100	25	2043	\$ 4,500.00	
16	4310/12	S. 35th	Style D	Υ	75	100	25	2043	\$ 6,200.00	
16	4314/16	S. 35th	Style B	Υ	75	100	25	2043	\$ 5,225.00	
16	4318/20	S. 35th	Style D	Y	75	100	25	2043	\$ 6,200.00	
	•					4				
Totals	181									
						1	OTALS/AVE			
					Approx.	Estimated	Determ.	Antic.	Estimated	
					Age	Useful Life	Remaining	Rebuild	Replacement	
					(yrs)	(yrs)	Useful Life	Year	Cost in 2018\$	
					75	100	25	2043	\$975,100.00	
					70	100	20	2043	\$970,100.00	

Court	Address	Street	Number	Approx.	Estimated	Determ.	Antic.	Estimated	2018 Comments
			of Rear	Age	Useful Life	Remainin	Rebuild	Replacement	
			Canopies	(yrs)	(yrs)	g Useful	Year	Cost in 2018\$	
1	3501	S. Stafford	2	75	85	Life 10	2028	\$ 2,400.00	
1	3503	S. Stafford	1	75	85	10	2028	\$ 1,200.00	
1	3503 A / B	S. Stafford	2	75	85	10	2028	\$ 2,400.00	
1	3509 A / B	S. Stafford	2	75	85	10	2028	\$ 2,400.00	
<u> </u>	3511	S. Stafford	1	75	85	10	2028	\$ 1,200.00	
1	3513 A / B	S. Stafford	2	75	85	10	2028	\$ 2,400.00	
1	3515 A / B	S. Stafford	2	75	85	10	2028	\$ 2,400.00	
1	3517 A / B	S. Stafford	2	75	85	10	2028	\$ 2,400.00	
1	3519 A / B	S. Stafford	2	75	85	10	2028	\$ 2,400.00	
1	3521	S. Stafford	1	75	85	10	2028	\$ 1,200.00	
1	3523 A / B	S. Stafford	2	75	85	10	2028	\$ 2,400.00	
1	3525 A / B	S. Stafford	2	75	85	10	2028	\$ 2,400.00	
1	3527 A / B	S. Stafford	2	75	85	10	2028	\$ 2,400.00	
1	3529 A / B	S. Stafford	2	75	85	10	2028	\$ 2,400.00	
2	3535 A / B	S. Stafford	2	75	84	9	2027	\$ 2,400.00	
2	3537	S. Stafford	2	75	84	9	2027	\$ 2,400.00	
2	3539 A / B	S. Stafford	2	75	84	9	2027	\$ 2,400.00	
2	3541	S. Stafford	1	75	84	9	2027	\$ 1,200.00	
2	3543 A / B	S. Stafford	2	75	84	9	2027	\$ 2,400.00	
2	3545	S. Stafford	2	75	84	9	2027	\$ 2,400.00	
2	3547 A	S. Stafford	1	75	84	9	2027	\$ 1,200.00	
2	3547 B	S. Stafford	1	2	100	98	2116	\$ 1,200.00	
2	3549 A / B	S. Stafford	2	75	84	9	2027	\$ 2,400.00	
2	3551	S. Stafford	2	75	84	9	2027	\$ 2,400.00	
2	3553 A / B	S. Stafford	2	75	84	9	2027	\$ 2,400.00	
2	3555	S. Stafford	1	75	84	9	2027	\$ 1,200.00	
2	3561	S. Stafford	1	75	83	8	2026	\$ 1,200.00	
3	3563	S. Stafford	2	75	83	8	2026	\$ 1,200.00 \$ 2,400.00	
3	3565 A / B	S. Stafford	2	75	83	8	2026	\$ 2,400.00	
3	3567	S. Stafford	1	75	83	8	2026	\$ 1,200.00	
3	3569 A / B	S. Stafford	2	75	83	8	2026	\$ 2,400.00	
3	3571	S. Stafford	2	75	83	8	2026	\$ 2,400.00	
3	3573 A / B	S. Stafford	2	75	83	8	2026	\$ 2,400.00	
3	3575 A / B	S. Stafford	2	75	83	8	2026	\$ 2,400.00	
3	3577 A / B	S. Stafford	2	75	83	8	2026	\$ 2,400.00	
3	3579	S. Stafford	1	75	83	8	2026	\$ 1,200.00	
3	3581	S. Stafford	2	75	83	8	2026	\$ 2,400.00	
3	3583	S. Stafford	1	75	83	8	2026	\$ 1,200.00	
3	3585	S. Stafford	1	75	83	8	2026	\$ 1,200.00	
4	4101	S. 36th	1	75	82	7	2025	\$ 1,200.00	
4	4103	S. 36th	1	75	82	7	2025	\$ 1,200.00	
4	4105 / 07	S. 36th	2	75	82	7	2025	\$ 2,400.00	
4	4109 / 11	S. 36th	2	75 75	82	7	2025	\$ 2,400.00	
4	4113 4115 / 17	S. 36th S. 36th	2	75 75	82 82	7	2025 2025	\$ 1,200.00 \$ 2,400.00	
4	4119	S. 36th	1	75	82	7	2025	\$ 1,200.00	
4	4121	S. 36th	1	75	82	7	2025	\$ 1,200.00	
4	4123	S. 36th	2	75	82	7	2025	\$ 2,400.00	
4	4125	S. 36th	1	75	82	7	2025	\$ 1,200.00	
4	4127 / 29	S. 36th	2	75	82	7	2025	\$ 2,400.00	
4	4131 / 33	S. 36th	2	75	82	7	2025	\$ 2,400.00	
4	4135	S. 36th	1	75	82	7	2025	\$ 1,200.00	
4	4137	S. 36th	1	75	82	7	2025	\$ 1,200.00	
4	4139	S. 36th	1	75	82	7	2025	\$ 1,200.00	

Court	Address	Street	Number of Rear Canopies	Approx. Age (yrs)	Estimated Useful Life (yrs)	Determ. Remainin g Useful Life	Antic. Rebuild Year	Estimated Replacement Cost in 2018\$	2018 Comments
5	4100	S. 36th	1	75	81	6	2024	\$ 1,200.00	
5	4102	S. 36th	1	75	81	6	2024	\$ 1,200.00	
5	4104 / 06	S. 36th	2	75	81	6	2024	\$ 2,400.00	
5	4108 / 10	S. 36th	2	75	81	6	2024	\$ 2,400.00	
5	4112 / 14	S. 36th	2	75	81	6	2024	\$ 2,400.00	
5	4116	S. 36th	1	75	81	6	2024	\$ 1,200.00	
5	4118	S. 36th	2	75	81	6	2024	\$ 2,400.00	
5	4122 / 24	S. 36th	2	75	81	6	2024	\$ 2,400.00	
5	4126 / 28	S. 36th	2	75	81	6	2024	\$ 2,400.00	
6	4130	S. 36th	1	2	100	98	2116	\$ 1,200.00	
6	4132	S. 36th	1	2	100	98	2116	\$ 1,200.00	
6	4134	S. 36th	1	75	80	5	2023	\$ 1,200.00	
6	4136 / 38	S. 36th	2	75	80	5	2023	\$ 2,400.00	
6	4140 / 42	S. 36th	2	75	80	5	2023	\$ 2,400.00	
6	4144	S. 36th	1	75	80	5	2023	\$ 1,200.00	
6	4146 / 48	S. 36th	2	75	80	5	2023	\$ 2,400.00	
6	4150 / 52	S. 36th	2	75	80	5	2023	\$ 2,400.00	
6	4154 / 56	S. 36th	2	75	80	5	2023	\$ 2,400.00	
6	4158 / 60	S. 36th	2	75	80	5	2023	\$ 2,400.00	
6	4162 / 64	S. 36th	2	75	80	5	2023	\$ 2,400.00	
6	4166	S. 36th	1	75	80	5	2023	\$ 1,200.00	
6	4168 / 70	S. 36th	2	75	80	5	2023	\$ 2,400.00	
6	4172 / 74	S. 36th	2	75	80	5	2023	\$ 2,400.00	
6	4176	S. 36th	1	75	80	5	2023	\$ 1,200.00	
7	4200 / 02	S. 36th	2	75	86	11	2029	\$ 2,400.00	
7	4204	S. 36th	2	75	86	11	2029	\$ 2,400.00	
7	4206 / 08	S. 36th	2	75	86	11	2029	\$ 2,400.00	
7	4210	S. 36th	2	75	86	11	2029	\$ 2,400.00	
7	4212	S. 36th	2	75	86	11	2029	\$ 2,400.00	
8	3601 / 03	S. Taylor	2	75	86	11	2029	\$ 2,400.00	
8	3605 / 07	S. Taylor	2	75	86	11	2029	\$ 2,400.00	
8	3609	S. Taylor	1	75	86	11	2029	\$ 1,200.00	
8	3611	S. Taylor	2	75	86	11	2029	\$ 2,400.00	
8	3613	S. Taylor	1	75	86	11	2029	\$ 1,200.00	
8	3615 / 17	S. Taylor	2	75	86	11	2029	\$ 2,400.00	
8	3619 / 21	S. Taylor	2	75	86	11	2029	\$ 2,400.00	
8	3623 / 25	S. Taylor	2	75	86	11	2029	\$ 2,400.00	
	0540 /45	0.14-1	0	75	07	10	0000		
9	3513 / 15	S. Utah	2	75 75	87	12	2030	\$ 2,400.00	
9	3517 / 19	S. Utah	2	75 75	87	12	2030	\$ 2,400.00	
9	3521 / 23	S. Utah	2	75 75	87	12	2030	\$ 2,400.00	
9	3525 / 27	S. Utah	2	75 75	87	12	2030	\$ 2,400.00	
9	3529	S. Utah	2	75 75	87	12	2030	\$ 2,400.00 \$ 2,400.00	
9	3531 / 33	S. Utah	2	75 75	87	12	2030		
9	3535	S. Utah	1	75 75	87	12	2030	\$ 1,200.00	
9	3537 / 39	S. Utah	2	75 75	87	12	2030	\$ 2,400.00	
9	3541 / 43	S. Utah	2	75 75	87	12	2030	\$ 2,400.00	
9	3545	S. Utah	1	75 75	87	12	2030	\$ 1,200.00	
9	3547	S. Utah	1	75 75	87	12	2030	\$ 1,200.00	
9	3549	S. Utah	1	75	87	12	2030	\$ 1,200.00	

Court	Address	Street	Number of Rear Canopies	Approx. Age (yrs)	Estimated Useful Life (yrs)	Determ. Remainin g Useful	Antic. Rebuild Year	Estimated Replacement Cost in 2018\$	2018 Comments
			valiopies	(yis)	(yis)	y Oserai Life	i Gai	COSt III ZO I OĢ	
10	4301	S. 36th	1	75	88	13	2031	\$ 1,200.00	
10	4303 / 05	S. 36th	2	75	88	13	2031	\$ 2,400.00	
10	4307 / 09	S. 36th	2	75	88	13	2031	\$ 2,400.00	
10	4311	S. 36th	1	75	88	13	2031	\$ 1,200.00	
10	4313 / 15	S. 36th	2	75	88	13	2031	\$ 2,400.00	
10	4317	S. 36th	2	75	88	13	2031	\$ 2,400.00	
10	4319 / 21	S. 36th	2	75	88	13	2031	\$ 2,400.00	
10	4323	S. 36th	1	75	88	13	2031	\$ 1,200.00	
10	4325 / 27	S. 36th	2	75	88	13	2031	\$ 2,400.00	
10	4329 / 31	S. 36th	2	75	88	13	2031	\$ 2,400.00	
10	4333 / 35	S. 36th	2	75	88	13	2031	\$ 2,400.00	
10	4337 / 39	S. 36th	2	75	88	13	2031	\$ 2,400.00	
10	4341 / 43	S. 36th	2	75	88	13	2031	\$ 2,400.00	
44	4201	S. 36th	1	75	89	14	2032	\$ 1,200.00	
11 11	4201 4203 / 05	S. 36th	2	75 75	89	14	2032	\$ 1,200.00 \$ 2,400.00	
11		S. 36th	2	75	89	14	2032		
11	4207 / 09 4215	S. 36th	1	75 75	89	14	2032	\$ 2,400.00 \$ 1,200.00	
11	4217 / 19	S. 36th	2	75	89	14	2032	\$ 2,400.00	
11	4217 / 19	S. 36th	2	75	89	14	2032	\$ 2,400.00	
11	4221 / 23	S. 36th	2	75	89	14	2032	\$ 2,400.00	
11	4231 / 33	S. 36th	2	75	89	14	2032	\$ 2,400.00	
11	4231 / 33	S. 36th	2	75	89	14	2032	\$ 2,400.00	
11	3588 / 90	S. Stafford	2	75	89	14	2032	\$ 2,400.00	
11	3592 / 94	S. Stafford	2	75	89	14	2032	\$ 2,400.00	
11	3596 / 98	S. Stafford	2	75	89	14	2032	\$ 2,400.00	
	0000 / 00	o. otanora	L	10	00		LUUL	Ψ 2,100.00	
12	3548	S. Stafford	1	75	90	15	2033	\$ 1,200.00	
12	3550 / 52	S. Stafford	2	75	90	15	2033	\$ 2,400.00	
12	3554 / 56	S. Stafford	2	75	90	15	2033	\$ 2,400.00	
12	3558	S. Stafford	1	75	90	15	2033	\$ 1,200.00	
12	3560	S. Stafford	1	75	90	15	2033	\$ 1,200.00	
12	3562	S. Stafford	1	75	90	15	2033	\$ 1,200.00	
12	3564	S. Stafford	1	75	90	15	2033	\$ 1,200.00	
12	3566 / 68	S. Stafford	2	75	90	15	2033	\$ 2,400.00	
12	3570	S. Stafford	2	75	90	15	2033	\$ 2,400.00	
12	3572 / 74	S. Stafford	2	75	90	15	2033	\$ 2,400.00	
12	3576	S. Stafford	1	75	90	15	2033	\$ 1,200.00	
12	3578 / 80	S. Stafford	2	75	90	15	2033	\$ 2,400.00	
12	3582 / 84	S. Stafford	2	75	90	15	2033	\$ 2,400.00	
40	0540 /44	0.0445	0	75	05	10	0000	Ф 0.400.00	
13	3512 / 14	S. Stafford	2	75	85	10	2028	\$ 2,400.00	
13	3516 / 18	S. Stafford	2	75 75	85	10	2028	\$ 2,400.00	
13	3520	S. Stafford	2	75 75	85	10	2028	\$ 2,400.00	
13	3522	S. Stafford	1	75 75	85	10	2028	\$ 1,200.00	
13	3524	S. Stafford	1	75 75	85	10	2028	\$ 1,200.00	
13	3526 / 28	S. Stafford	2	75 75	85 85	10 10	2028 2028	\$ 2,400.00 \$ 2,400.00	
13 13	3530 / 32 3534	S. Stafford	1	75 75	85	10	2028		
	3536	S. Stafford		75 75	85	10	2028	\$ 1,200.00 \$ 2,400.00	
13		S. Stafford	2	75 75					
13	3538 / 40	S. Stafford	2	75 75	85 85	10 10	2028	\$ 2,400.00 \$ 2,400.00	
13	3542 / 44	S. Stafford	2	/0	გე	IU	2028	\$ 2,400.00	

Court	Address	Street	Number of Rear Canopies	Approx. Age (yrs)	Estimated Useful Life (yrs)	g Useful Life	Antic. Rebuild Year	Estimated Replacement Cost in 2018\$	2018 Comments
14	3500	S. Stafford	1	75	89	14	2032	\$ 1,200.00	
14	4202	S. 35th	1	75	89	14	2032	\$ 1,200.00	
14	4204 / 06	S. 35th	2	75	89	14	2032	\$ 2,400.00	
14	4208 / 10	S. 35th	2	75	89	14	2032	\$ 2,400.00	
14	4216	S. 35th	2	75	89	14	2032	\$ 2,400.00	
14	4218	S. 35th	2	75	89	14	2032	\$ 2,400.00	
15	4226 / 28	S. 35th	2	75	81	6	2024	\$ 2,400.00	
15	4230 / 32	S. 35th	2	75	81	6	2024	\$ 2,400.00	
15	4234	S. 35th	1	75	81	6	2024	\$ 1,200.00	
15	4236 / 38	S. 35th	2	75	81	6	2024	\$ 2,400.00	
15	4240	S. 35th	2	75	81	6	2024	\$ 2,400.00	
15	4242 / 44	S. 35th	2	75	81	6	2024	\$ 2,400.00	
15	4246 / 48	S. 35th	2	75	81	6	2024	\$ 2,400.00	
15	4250 / 52	S. 35th	2	75	81	6	2024	\$ 2,400.00	
15	4254	S. 35th	1	75	81	6	2024	\$ 1,200.00	
15	4256	S. 35th	1	75	81	6	2024	\$ 1,200.00	
15	4258 / 60	S. 35th	2	75	81	6	2024	\$ 2,400.00	
15	4262 / 64	S. 35th	2	75	81	6	2024	\$ 2,400.00	
15	4266 / 68	S. 35th	2	75	81	6	2024	\$ 2,400.00	
15	4270	S. 35th	2	75	81	6	2024	\$ 2,400.00	
15	4272 / 74	S. 35th	2	75	81	6	2024	\$ 2,400.00	
15	4276 / 78	S. 35th	2	75	81	6	2024	\$ 2,400.00	
15	4280 / 82	S. 35th	2	75	81	6	2024	\$ 2,400.00	
15	4284	S. 35th	1	75	81	6	2024	\$ 1,200.00	
16	4300	S. 35th	2	75	83	8	2026	\$ 2,400.00	
16	4302	S. 35th	1	75	83	8	2026	\$ 1,200.00	
16	4304	S. 35th	1	75	83	8	2026	\$ 1,200.00	
16	4310 / 12	S. 35th	2	75	83	8	2026	\$ 2,400.00	
16	4314 / 16	S. 35th	2	75	83	8	2026	\$ 2,400.00	
16	4318 / 20	S. 35th	2	75	83	8	2026	\$ 2,400.00	
Totals	182								
20,010	102	TOTALS/AVERAGES							
			Number of	Approx.	Estimated	Determ.	Antic.	Estimated	
			Rear	Age	Useful Life		Rebuild	Replacement	
			Canopies	(yrs)	(yrs)	Useful Life	Year	Cost in 2018\$	
		306 74 85 11 2029 \$367,20					\$367,200.00		

Appendix B

Fairlington Glen Condominium 2018 Replacement Reserve Study

Multi-Year Expenditure Table (3 pages)

Appendix B - Multi-year Reserve Expenditures Table

Section	Component	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
1.0	Hardscape																					
1.1	Asphalt Pavement																					
1.1.1	Replace asphalt in parking lots	\$0	\$0	\$0	\$58,163	\$50,738	\$69,300	\$62,700	\$80,025	\$40,013	\$68,681	\$60,844	\$70,125	\$60,225	\$63,113	\$75,653	\$40,013	\$0	\$68,063	\$0	\$0	\$0
1.1.2	Maintain asphalt in parking lots annually	\$8,459	\$7,834	\$0	\$9,697	\$7,834	\$0	\$9,697	\$7,834	\$0	\$8,500	\$0	\$0	\$17,531	\$0	\$0	\$17,531	\$0	\$0	\$17,531	\$0	\$0
1.2	Concrete																					
1.2.1	Sidewalk Replacement (Removed from Study)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
1.2.2	Curb and Gutter Replacement (see "Curb/Gutter" tab)	\$0	\$0	\$0	\$13,088	\$11,520	\$12,960	\$12,864	\$14,592	\$10,240	\$13,184	\$11,712	\$15,840	\$12,448	\$12,864	\$15,904	\$14,976	\$0	\$13,216	\$0	\$0	\$0
1.2.3	Concrete Alleys	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$66,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.0	Utilities																					
2.1	Sanitary Sewers (see "Sewers" Tab)																					
2.1.1	Relining - Terra Cotta (outside building footprint)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.1.2	Relining/Replacement - Cast Iron (inside footprint)	\$0	\$0	\$0	\$42,761	\$0	\$0	\$0	\$0	\$52,260	\$0	\$15,423	\$17,745		\$78,474	\$0	\$0	\$0	\$0	\$50,700	\$0	\$0
2.1.3	Sewer cleanouts	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.1.4	Sewer manholes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$55,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.2	Storm Drainage (see "Storm" Tab)																					
2.2.1	Storm drain piping	\$0	\$0	\$0	\$0	\$8,160	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$900	\$0	\$0	\$1,500	\$0	\$0	\$0
2.2.2	Storm drainage structures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,200	\$0	\$0	\$0	\$0	\$4,954	\$1,500	\$0	\$3,037	\$0	\$3,200	\$0
3.0	Miscellaneous Site Features																					
3.1	Signage																					
3.1.1	Replace Site Signage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,400	\$0
3.2	Fencing (see "Fencing" Tab for lineal footage of fencing w	ith unit cost i																				
3.2.1	Replace Treated Wood Patio Fencing	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$427,744	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.2.2	Replace Split-Rail Fence at Ct. 4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.2.3	Perimeter Fence	\$0	\$69,868	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.2.4	Replace Pool Perimeter Fence	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$43,551	\$0	\$0	\$0	\$0	\$0	\$0
3.2.5	Replace Pool Tennis Court Fence	\$0	\$0	\$0	\$0	\$0	\$0	\$14,820	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.2.6	Replace Triple Tennis Court Fence	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.2.7	Replace Pickle Ball Court Fence	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.2.8	Replace Short Basketball Court Fence	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.3	Handrails (see "Fencing" Tab for takeoff)						<u> </u>				40 -0-			*								
3.3.1	Replace Wrought Iron Handrails	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,527	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.4	Exterior Lighting (see "Outdoor Lighting" tab)																					
3.4.1	Replace Carriage Lt Poles, Mountings & Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.4.2	Replace Carriage Light Pole Circuits/Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.4.3	Replace Pole Lights at Swimming Pool	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.4.4	Replace Ceiling Fixtures at Entry to B-Units	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,450	\$0	\$0	\$0	\$0	\$0	\$0

2018 Capital Reserve Study
1 of 3
Fairlington Glen Condominium
September 10, 2019

Appendix B - Multi-year Reserve Expenditures Table

Section	Component	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
4.0	Recreational Features																					
4.1	Swimming Pool (see "Pools Revised" Tab)																					
4.1.1	Main Swimming Pool																					
4.1.1.		\$0	\$13,800	\$0	\$0	\$0	\$0	\$0	\$0	\$13,800	\$0	\$0	\$0	\$0	\$0	\$0	\$13,800	\$0	\$0	\$0	\$0	\$0
4.1.1.		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.1.1.		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,300	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.1.1.		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,700	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.1.1.		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,100	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.1.1.	•	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0
4.1.1.	·	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.1.2	Main Swimming Pool Equipment																					
4.1.2.		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$13,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.1.2.		\$0	\$0	\$0	\$0	\$0	\$0	\$12,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$12,800	\$0	\$0
4.1.2.	,	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0
4.1.3	Wading "Baby" Pool																					
4.1.3.		\$0	\$3,700	\$0	\$0	\$0	\$0	\$0	\$0	\$3,700	\$0	\$0	\$0	\$0	\$0	\$0	\$3,700	\$0	\$0	\$0	\$0	\$0
4.1.3.		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.1.3.		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,100	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.1.3.	•	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,300	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.1.4	Wading "Baby" Pool Equipment																					
4.1.4.	<u> </u>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500	\$0	\$0	\$0	\$0	\$0	\$0
4.1.4.	, , ,	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.1.1.	,	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500	\$0	\$0
4.1.5	Pool Deck																					
4.1.5.	. ,	\$0	\$0	\$0		\$15,500	\$0	\$0	\$0	\$0	\$15,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.1.5.	•	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.1.6	Pool Accessories/Furniture																					
4.1.6.	•	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0
4.1.6.		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.1.6.	· · · · · · · · · · · · · · · · · · ·	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.1.6.	·	\$0	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0	\$0
4.2	Courts																					
4.2.1	Reapply Color Coat At Pool Tennis Court	\$0		\$10,000	\$0	\$0	\$0		\$10,000	\$0	\$0	\$0		\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.2.2	Renovate/Reconstruct Pool Tennis Court	\$0	\$0	\$0	\$0	\$0	\$0		\$42,905	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.2.3	Reapply Color Coat At Triple Tennis Courts	\$0	\$0	\$0	\$20,422	\$0	\$0	\$0	\$0	\$20,422	\$0	\$0	\$0		\$20,422	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.2.4	Renovate/Reconstruct Triple Tennis Courts	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$100,287	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.2.5	Reapply Color Coat at Basketball Court	\$0	\$0	\$0	\$4,815	\$0	\$0	\$0	\$0	\$4,815	\$0	\$0	\$0	\$0	\$4,815	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.2.6	Renovate/Reconstuct Basketball Court	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,000	\$0
4.3	Tot Lot																					
4.3.1	Replace Tot Lot Playground Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.3.3	Replenish Tot Lot Pea Gravel	\$0	\$0	\$3,700	\$0	\$0	\$0	\$3,700	\$0	\$0	\$0	\$3,700	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Appendix B - Multi-year Reserve Expenditures Table

Section	Component	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039
5.0	Building Exteriors																					
5.1	Roofs (see "Roofing" tab)																					
5.1.1	Slate Roofing Systems	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5.2	Dormers (see "Dormers" tab)																					
5.2.1	Gable Dormers	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5.3	Chimneys (see "Chimneys" tab)																					
5.3.1	Chimney Brick Masonry Maint./Repointing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5.3.2	Chimney Caps (Copper)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5.3.3	Chimney Screens	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5.4	Façade																					
5.4.1	Masonry Veneer Maintenance/Repointing	\$0	\$0	\$0	\$150,000	\$0	\$0	\$0	\$0	\$165,000	\$0	\$0	\$0	\$0	\$181,500	\$0	\$0	\$0	\$0	\$199,650	\$0	\$0
5.4.2	Replace Shutters	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$74,306	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5.4.3	Replace B-Unit Doors (see "B-Units" Tab)	\$0	\$0	\$0	\$0	\$34,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5.4.4	Replace B-Unit Common Windows (see "B-Units" Tab)	\$0	\$28,750	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5.5	Entrances																					
5.5.1	Masonry Stoops (see "Stoops" Tab)	\$71,300	\$0	\$0	\$0	\$33,500	\$0	\$0	\$0	\$0	\$231,720	\$0	\$0	\$9,540	\$0	\$0	\$0	\$0	\$95,040	\$0	\$527,800	\$0
5.5.2	Porticos at Main Entrances (see "Porticos" Tab)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5.5.3	Canopies at Rear Entrances (see "Rear Canopies")	\$0	\$0	\$0	\$0	\$26,400	\$56,400	\$25,200	\$37,200	\$22,800	\$52,800	\$28,800	\$24,000	\$27,600	\$38,400	\$24,000	\$0	\$0	\$0	\$0	\$0	\$0
.0	Building Interiors & Services																					
6.1	Interiors																					
6.1.1	Replace B-Unit Interior Finishes	\$0	\$0	\$0	\$0	\$57,592	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	. ,	\$0	\$0	\$0	\$0
6.1.2	Replace B-Unit Mailboxes (see "B-Units" Tab)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6.1.3	Refurbish Maintenance Office & Bathhouses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6.2	Tools/Equipment																					
6.2.1	Replace B-unit Carpet Cleaner	\$0		\$0	\$0	\$0	\$0	\$2,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500	\$0	\$0
6.2.2	Replace Tractor + Accessories	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
6.2.3	Replace Snow Blower	\$0	\$0	\$0	\$0	\$1,700	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,700	\$0	\$0	\$0
6.2.4	Replace Pipe Camera & Locator	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,000	\$0	\$0	\$0	\$0
6.2.5	Replace Pool/Maintenance HVAC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6.2.6	Replace Miscellaneous Equipment	\$0	\$0	\$0	\$0	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0
6.3	Services																					
6.2.1	Replacement Reserve Study	\$0	\$0	\$0	\$0	\$10,000	\$0	\$0	\$0	\$0	\$10,000	\$0	\$0	\$0	\$0	\$10,000	\$0	\$0	\$0	\$0	\$10,000	\$0
	TOTAL PER YEAR	\$79,759	\$123,952	\$28,700	\$298,946	\$247,443	\$138,660	\$145,781 \$	192,555	\$774,793	\$536,513	\$130,478	\$202,016	\$261,530	\$399,588	199,911	\$91,519	\$61,592	\$182,555	294,681	\$590,400	\$5,000
		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039

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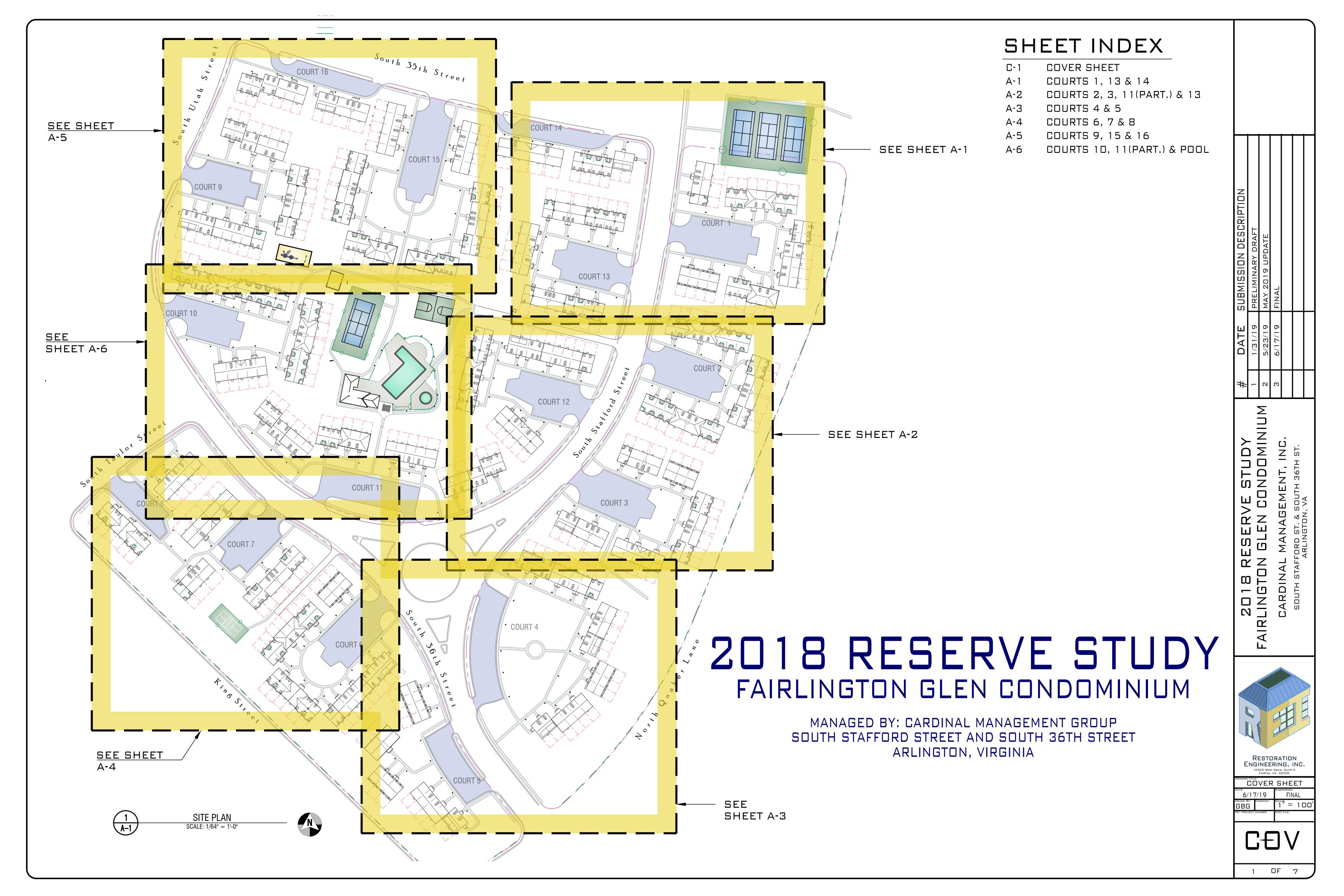
September 10, 2019

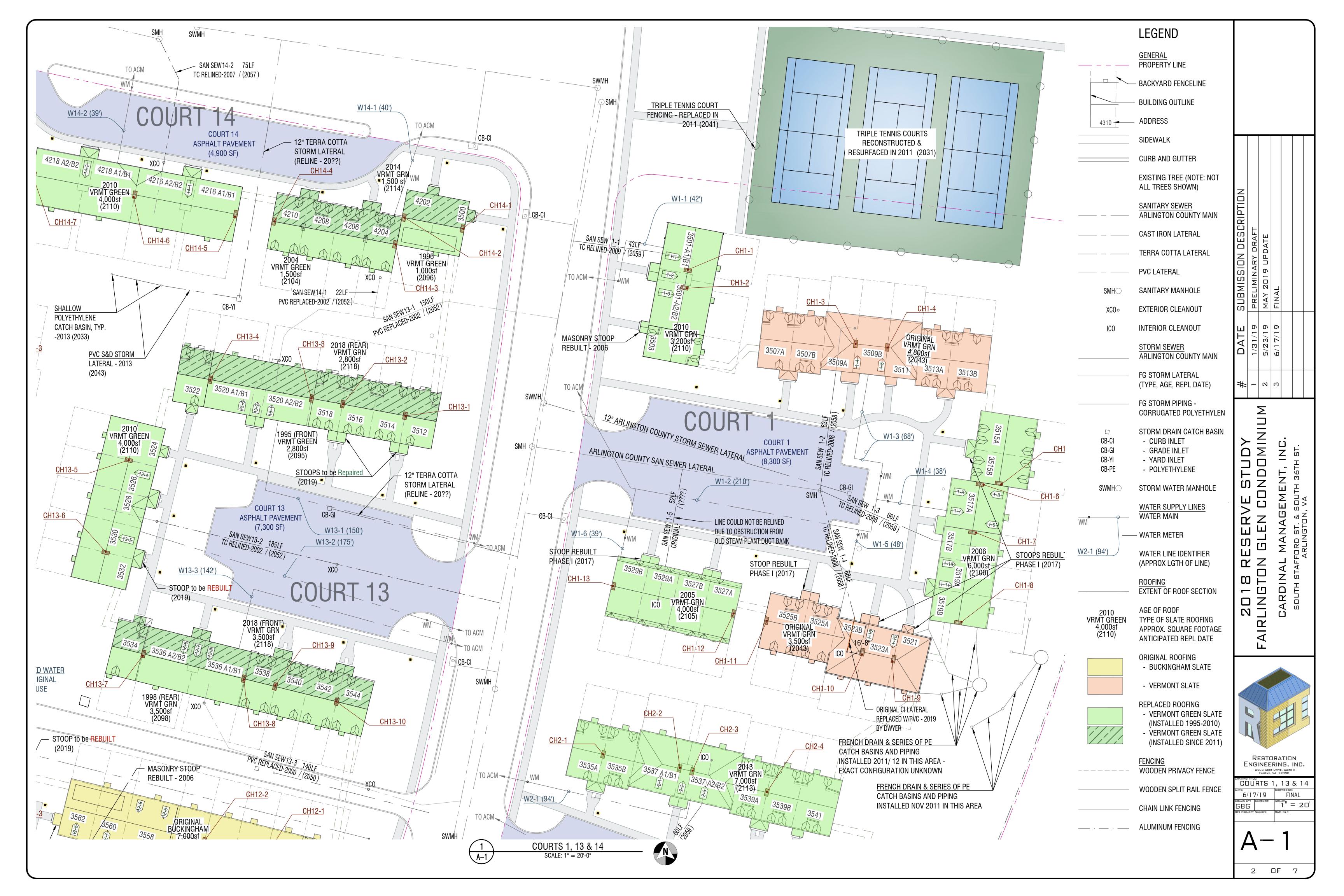
2018 Capital Reserve Study Fairlington Glen Condominium prepared by: Restoration Engineering, Inc.

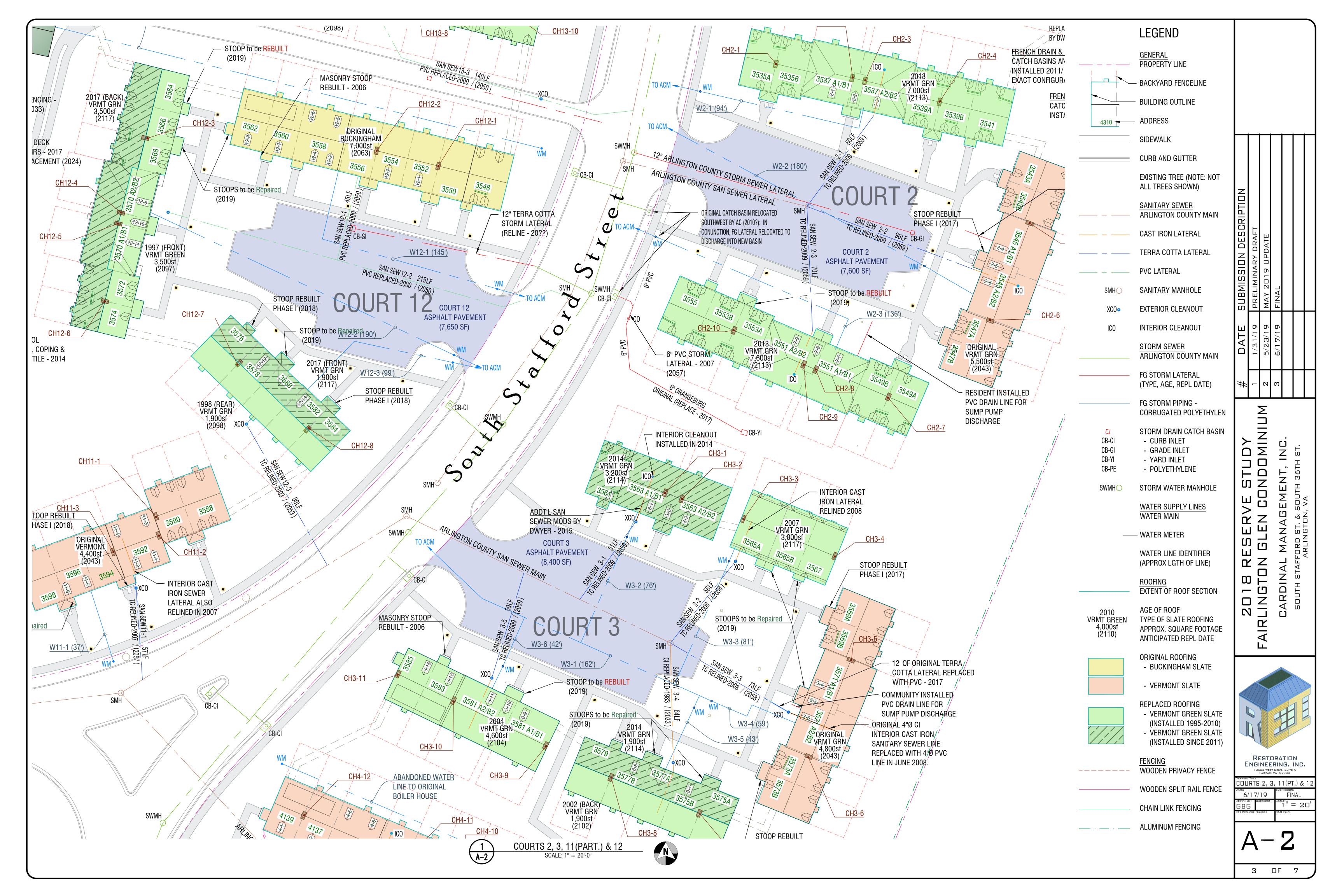
Appendix C

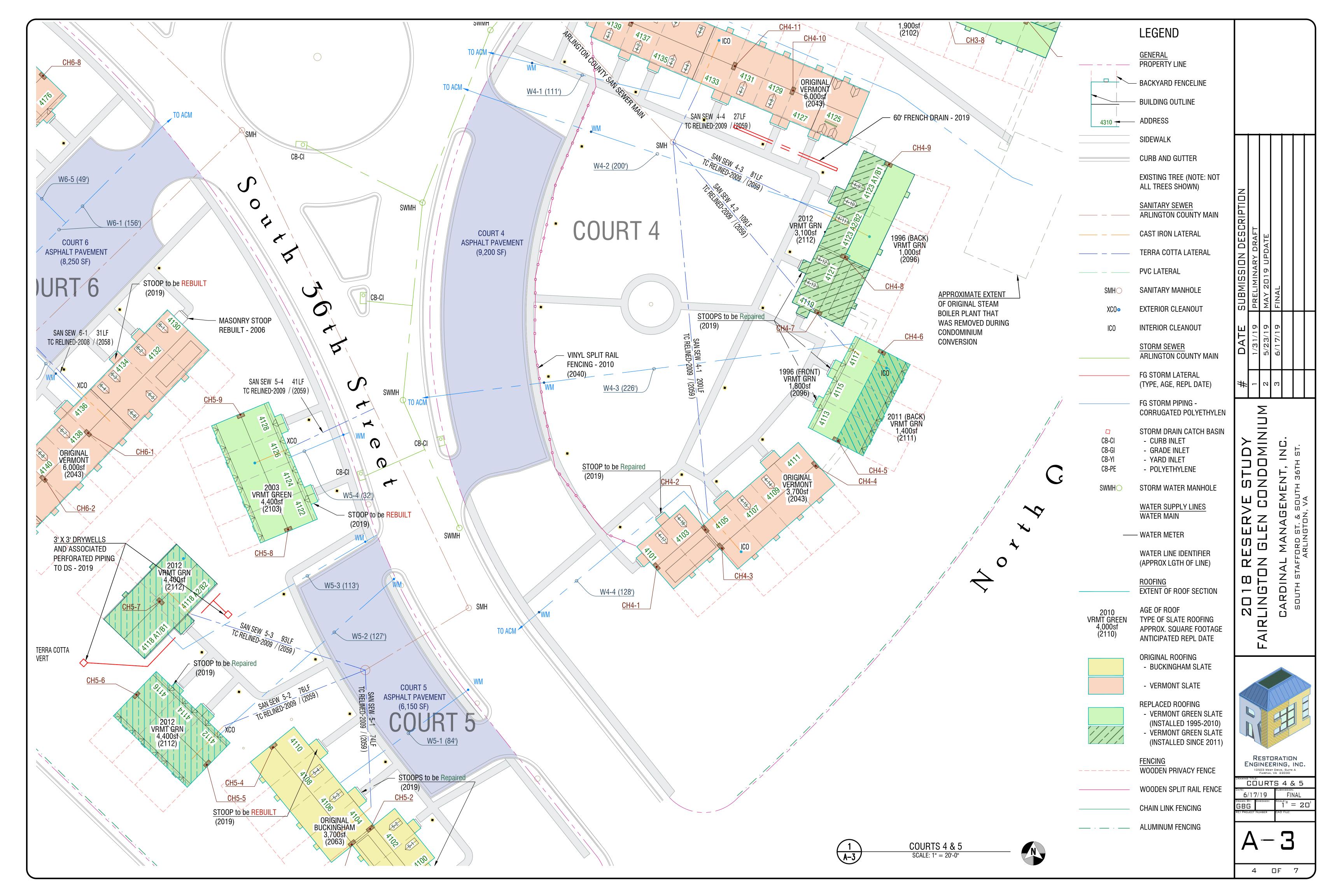
Fairlington Glen Condominium 2018 Replacement Reserve Study

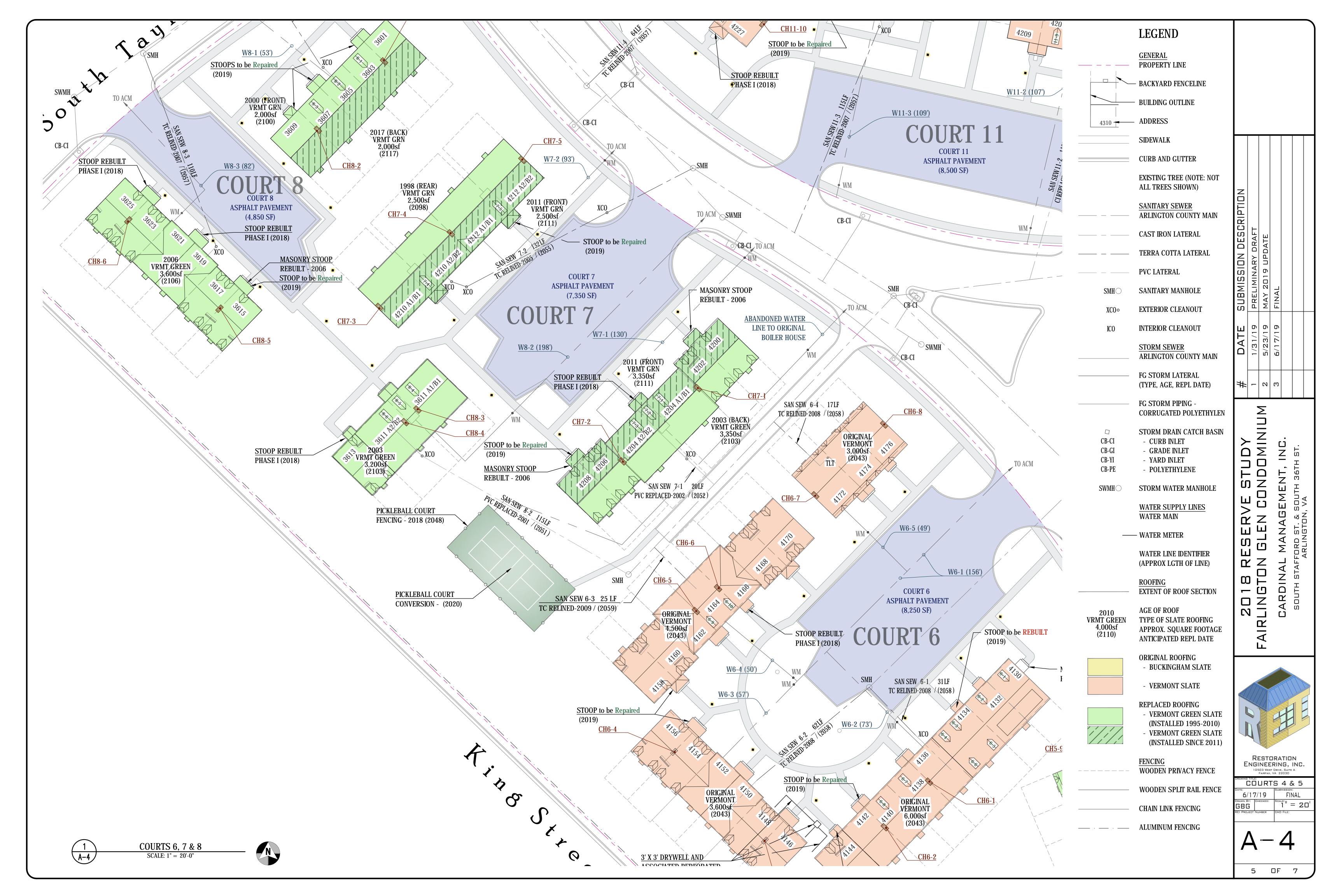
Plat Drawings (7 Sheets)

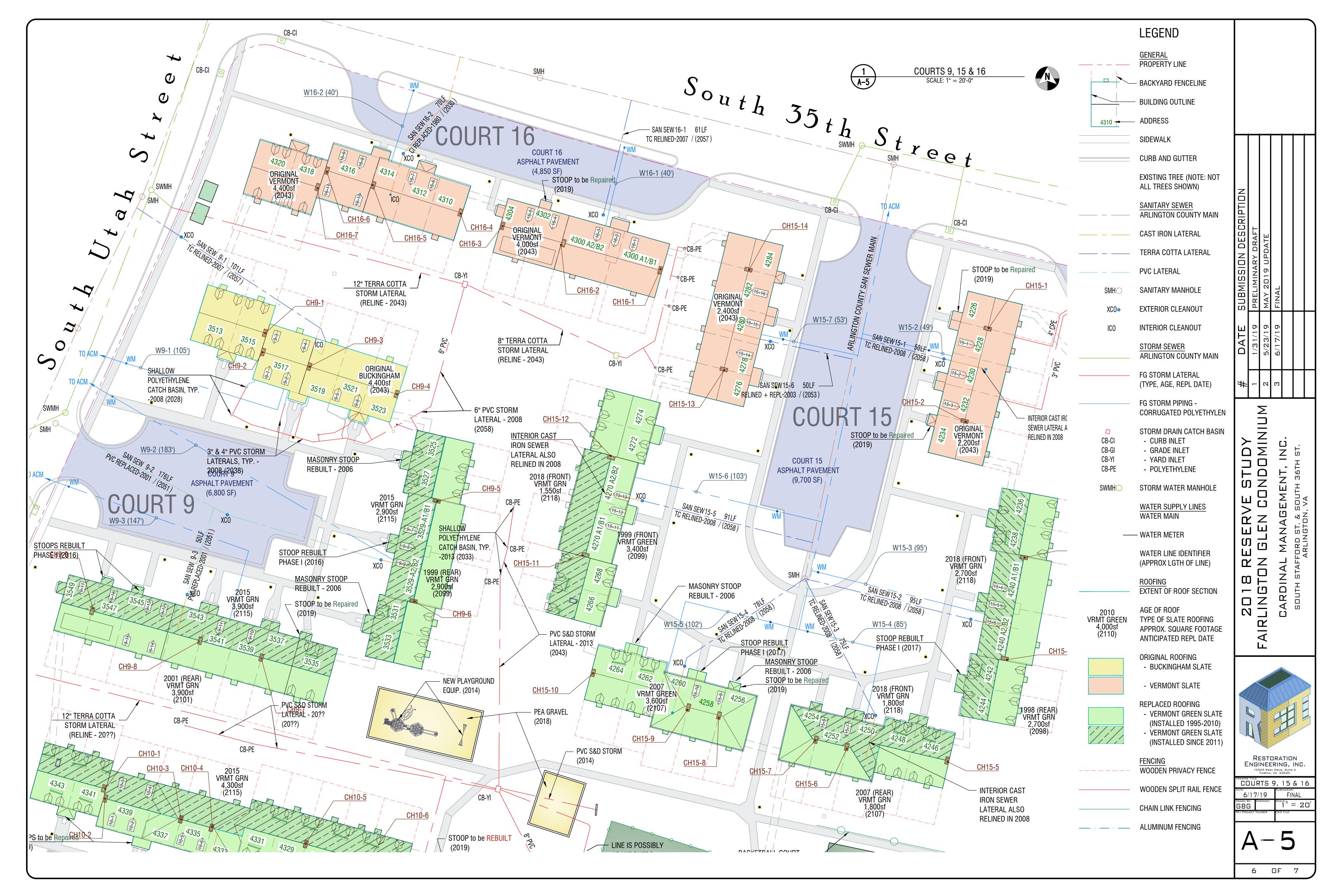


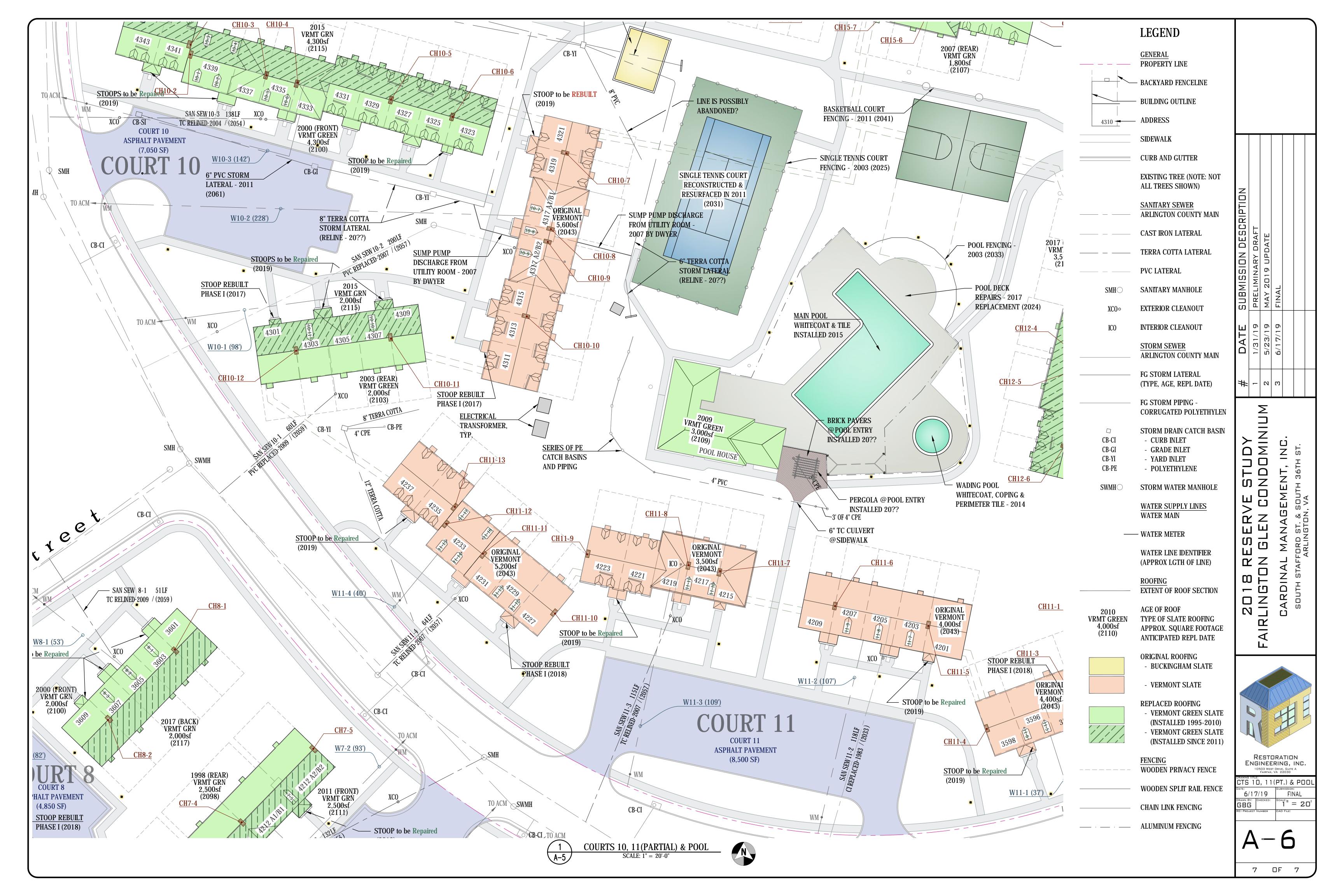












Summary Table

												Estimates for the Current Year (2018)					
Section	Component	Year Last Replaced if Known	Histori Cost I Availal	f C	Replacement ost Estimated 2003 Study	Replacemen Cost Estimated 2008 Study		Replacement Cost Estimated 2012 Update	Remaining Useful Life Estimated 2018	Useful Life	Remaining Useful Life	Percent Depreciated	Estimated Replacement Cost (2018)	Fully Funded Balance	Annual Depreciation Cost		
1.0	Hardscape																
1.1	Asphalt Pavement																
1.1.1	Replace asphalt in parking lots						\$	1,165,135	0	30	13	58%	\$980,000	\$568,000	\$32,655		
1.1.2	Maintain asphalt in parking lots annually	у					\$	18,081	1	1	1	0%	\$6,305	\$6,305	\$6,305		
1.2	Concrete																
1.2.1	Sidewalk Replacement (Removed from	Study)		9	255,930		\$	316,950	0	-	0	0%	\$0	\$0	\$0		
1.2.2	Curb and Gutter Replacement (see "Cu		ab)	9	-	\$ -	\$	•	0	30	13	58%	\$214,000	\$121,000	\$7,116		
1.2.3	Concrete Alleys		,	9	5 -	\$ -	\$		10	50	10	80%	\$66,000	\$52,800	\$1,320		
2.0	Utilities																
2.1	Sanitary Sewers (see "Sewers" Tab)																
2.1.1	Relining - Terra Cotta (outside building	footprint)		9	-	n/a	\$	1,117,976	36	50	36	29%	\$884,949	\$255,537	\$20,396		
2.1.2	Relining/Replacement - Cast Iron (insid			9	-	n/a		n/a	19	1	19	57%	\$304,720	\$173,017	\$0		
2.1.3	Sewer cleanouts	. ,			n/a	n/a	\$	187,961	31	75	31	59%	\$187,961	\$110,987	\$2,506		
2.1.4	Sewer manholes				n/a	n/a		n/a	10	80	10	88%	\$55,800	\$48,825	\$698		
2.2	Storm Drainage (see "Storm" Tab)																
2.2.1	Storm drain piping				n/a	\$ 290,50	00 \$	312,215	47	86	41	52%	\$166,490	\$86,447	\$1,932		
2.2.2	Storm drainage structures				n/a	n/a		n/a	25	69	29	58%	\$71,731	\$41,726	\$1,033		
2.3	Water Lines (see "Water" Tab)																
2.3.1	Water supply piping				n/a	n/a		n/a	25	70	25	64%	\$910,700	\$585,450	\$13,010		
3.0	Miscellaneous Site Features																
3.1	Signage																
3.1.1	Replace Site Signage	2017	\$ 19,	400 \$	6,400	\$ 10,00	00 \$	10,748	20	20	20	0%	\$19,400.00	\$0	\$970		
3.2	Fencing (see "Fencing" Tab for lineal	footage of	fencing v	with ur	nit cost info	rmation)											
3.2.1	Replace Treated Wood Patio Fencing	1997	\$ 236,	000	247,500	_	\$	306,510	9	30	9	70%	\$427,744	\$299,421	\$14,258		
3.2.2	Replace Split-Rail Fence at Ct. 4	2010	\$ 4,	024			\$	4,208	22	30	22	27%	\$8,257	\$2,202	\$275		
3.2.3	Perimeter Fence	1975	\$ 10,	000	5,000	\$ 35,00	00 \$	37,616	2	50	2	96%	\$69,868	\$67,073	\$1,397		
3.2.4	Replace Pool Perimeter Fence	2003	\$ 32,	200 \$	32,200		\$	39,877	15	30	15	50%	\$43,551	\$21,775	\$1,452		
3.2.5	Replace Pool Tennis Court Fence	2003		9	24,400	\$ 15,00	00 \$	16,121	7	30	7	77%	\$14,820	\$11,362	\$494		
3.2.6	Replace Triple Tennis Court Fence	2011	\$ 20,	750		\$ 23,00	00 \$	21,373	23	30	23	23%	\$22,231	\$5,187	\$741		
3.2.7	Replace Pickle Ball Court Fence	2018	\$ 7,	538		\$ 5,00	00 \$	5,374	30	30	30	0%	\$8,257	\$0	\$275		
3.2.8	Replace Short Basketball Court Fence	2011	\$ 1,	100 \$	1,100	\$ 1,10	00 \$	1,362	23	30	23	23%	\$1,397	\$326	\$47		
3.3	Handrails (see "Fencing" Tab for taked	off)															
3.3.1	Replace Wrought Iron Handrails	1945			n/a	n/a	n	n/a	10	80	10	88%	\$9,527	\$8,337	\$119		
3.4	Exterior Lighting (see "Outdoor Lighti	ng" tab)															
3.4.1	Replace Carriage Lt Poles, Mountings &	& 1973		9	20,000	\$ 104,00	00	111,774	5	25	5	80%	\$106,320	\$85,056	\$4,253		
3.4.2	Replace Carriage Light Pole Circuits/Co	oı 1973			n/a	n/a	1	p 111,774	5	50	5	90%	\$115,313	\$103,781	\$2,306		
3.4.3	Replace Pole Lights at Swimming Pool	1973			n/a	n/a		n/a	5	50	5	90%	\$10,400	\$9,360	\$208		
3.4.4	Replace Ceiling Fixtures at Entry to B-L	Jnits			n/a	n/a		n/a	5	15	5	67%	\$3,450	\$2,300	\$230		

Summary Table

								<u> </u>	ar (2018)	2018)			
Soction		Year Last Replaced if Known	Historical Cost If Available	Replacement Cost Estimated 2003 Study	Replacement Cost Estimated	Replaceme Cost Estimated	Useful Life Estimated		Remaining Useful Life	Percent Depreciated	Estimated Replacement Cost (2018)	Fully Funded Balance	Annual Depreciation Cost
	Component Footures				2008 Study	2012 Upda	te 2018				<u> </u>		
	Recreational Features	'ab\											
4.1	Swimming Pool (see "Pools Revised" T	ab)											
4.1.1 4.1.1.	Main Swimming Pool Whitecoat "Plaster"	2015						7	4	420/	¢12.900	¢5 010	¢1.0
4.1.1.		1997				¢ 14.0	20	30	4 9	43% 70%	· ·		
	. •					\$ 14,90	00					\$13,650	
4.1.1.	Perimeter Tile	2015						14	11	21%	· ·	\$2,420	
4.1.1.	Transition Tile	2015						14		21%		\$580 \$540	
4.1.1.	Main Pool Cover	2017						18		6%			
4.1.1.	Main Pool Beam/Structure Repair	2009				ф <u>гоо</u> о	20	20		45%	•	\$11,250	
4.1.1.	Main Pool Structure Replacement	1974				\$ 560,00	00	60	16	73%	\$250,000	\$183,330	\$4,1
4.1.2	Main Swimming Pool Equipment	0000						40	0	F00/	#40.500	#0.750	Φ-7
4.1.2.	Main Pool Skimmers	2009						18		50%	· ·		
4.1.2.:	Main Pool Filters (Cartridge Style)	2009						12		75%	•	\$9,600	
4.1.2.	Main Pool Pump (Heavy Duty-Brass)	2009						25	16	36%	\$10,000	\$3,600	\$40
4.1.3	Wading "Baby" Pool	0044						_	0	F70/	#0.700	CO 440	Φ.Ε.
4.1.3.	Whitecoat "Plaster"	2014						/	3	57%			
4.1.3.	Coping Stone	2014						30		13%		\$670	
4.1.3.	Perimeter Tile	2014						15		27%			
4.1.3.	Baby Pool Cover	2017						18	17	6%	\$1,300	\$70	\$
4.1.4	Wading "Baby" Pool Equipment	0000						00	4.4	450/	04.500	ФООО	0.0
4.1.4.	Wading Pool Skimmers	2009						20		45%			
4.1.4.	Wading Pool Filter (Cartridge Style)	2009						15		60%			
4.1.1.	Wading Pool Pump (Plastic)	2009						12	3	75%	\$1,500	\$1,130	\$1:
4.1.5	Pool Deck	0047				Φ 0.00	20	_	4	000/	#45 500	#0.400	ФО 4
4.1.5.	Repair Pool Deck (7.5%)	2017				\$ 2,30		5		20%			
4.1.5.:	Replace Pool Deck	1974				\$ 65,30	57	50	6	88%	\$93,700	\$82,460	\$1,8
4.1.6	Pool Accessories/Furniture	0000				Ф СО	20	00	0	000/	ФЕ 000	#2.000	ФО!
4.1.6.	Replace Lifeguard Chairs	2006				\$ 6,88		20		60%		\$3,000	
4.1.6.	Replace Large Canvas Awning	2005				\$ 3,08		15		87%	• •	\$3,900	
4.1.6.	Replace Small Canvas Awning	2010				\$ 3,23	37	15	7	53%			
4.1.6.	Replace Pool Furniture	2017				\$ - \$ -		8	7	13%	· ·	\$1,250	
4.1.6.	Replace Dri-Dek Matting @Bathhouse	2015				Ъ -		5	2	60%	\$1,900	\$1,140	\$38
4.2	Courts Page 1 Color Coot At Page Toppia Court	2006	¢ 42.620	¢ 0000	¢ 12.500	¢ 11 E	20.		2	400/	¢10,000	¢4.000	ድጋ ሰረ
4.2.1	Reapply Color Coat At Pool Tennis Cour Renovate/Reconstruct Pool Tennis Cour		\$ 12,620 \$ 41,655		\$ 13,500 \$ 22,000	\$ 14,50				40% 13%		\$4,000 \$5,721	\$2,00 \$2,80
4.2.2 4.2.3	Reapply Color Coat At Triple Tennis Cou		φ 41, 0 55	\$ 10,000) 13 5	4	20%			
4.2.4	Renovate/Reconstruct Triple Tennis Cou		\$ 97,366			\$ 100,28			-	10%		\$10,029	
4.2.5	Reapply Color Coat at Basketball Court	2012	\$ 4,080		\$ 4,350	\$ 4,6		5	4	20%			
4.2.6	Renovate/Reconstuct Basketball Court		\$ 17,000		\$ 16,600	\$ 16,60		20	5	75%		\$22,500	
4.2.7	Reapply Color Coat At Pickleball Court		\$ 3,500	ų	. 5,000	, , , ,	2	5	2	60%		\$6,000	
4.2.8	Renovate/Reconstruct Pickleball Court		\$ 12,000				2	20		90%			
4.3	Tot Lot		, :=,000				_		_	3370	÷ . =, = 30	Ţ:.,· -	Ţ.
4.3.1	Replace Tot Lot Playground Equipment	2014	\$ 46,000	\$ 15,000	\$ 35,000	\$ 40,13	38 31	35	31	11%	\$47,700	\$5,451	\$1,3
4.3.2	Replace Tot Lot 6 x 6 Borders		\$ 7,000	•	,		10			33%			
4.3.3	Replenish Tot Lot Pea Gravel	2018	\$ 3,600				4	44	4	0%		\$0	
	Bulland Exteriors on Glen Condominium					2 c	f 4 14, 2014						Res

prepared by: Restoration Engineering, Inc.

Summary Table

	•						Estimates for the Current Year (2018)							
Section	Replaced	Historical Cost If Available	Replacement Cost Estimated 2003 Study	Replacement Cost Estimated 2008 Study	Replacement Cost Estimated 2012 Update	Remaining Useful Life Estimated 2018	Useful Life	Remaining Useful Life	Percent Depreciated	Estimated Replacement Cost (2018)	Fully Funded Balance	Annual Depreciation Cost		
5.1	Roofs (see "Roofing" tab)													
5.1.1	Slate Roofing Systems		\$ 4,207,400		\$ 6,342,441	66	101	66	34%	\$7,067,224	\$2,429,094	\$70,188		
5.2	Dormers (see "Dormers" tab)													
5.2.1	Gable Dormers					30	100	57	43%	\$249,400	\$108,272	\$2,494		
5.3	Chimneys (see "Chimneys" tab)													
5.3.1	Chimney Brick Masonry Maint./Repointing		\$ 197,184		\$ 244,198	2	75	2	97%	\$155,168	\$151,030	\$2,069		
5.3.2	Chimney Caps (Copper) 1997					17	50	32	36%	\$237,920	\$85,651	\$4,758		
5.3.3	Chimney Screens					20	25	20	20%	\$25,000	\$5,000	\$1,000		
5.4	Façade													
5.4.1	Masonry Veneer Maintenance/Repointing		\$ 197,184		\$ 244,198	5	5	5	0%	\$150,000	\$0	\$30,000		
5.4.2	Replace Shutters		\$ 60,000		\$ 74,306	12	25	12	52%	\$74,306	\$38,639	\$2,972		
5.4.3	Replace B-Unit Doors (see "B-Units" Tab)		\$ 5,000	\$ 33,350	\$ 35,843	5	40	5	88%	\$34,500	\$30,188	\$863		
5.4.4	Replace B-Unit Common Windows (see "B-Units" Ta	ıb)		\$ 11,500	\$ 12,360	2	25	2	92%	\$28,750	\$26,450	\$1,150		
5.5	Entrances													
5.5.1	Masonry Stoops (see "Stoops" Tab)				\$ 688,966	20	80	30	63%	\$1,464,290	\$917,507	\$18,304		
5.5.2	Porticos at Main Entrances (see "Porticos" Tab)					0	100	25	75%	\$975,100	\$731,325	\$9,751		
5.5.3	Canopies at Rear Entrances (see "Rear Canopies")					0	50	0	100%	\$367,200	\$367,200	\$7,344		
5.6	Bath House / Maintenance Building													
5.6.1	Exterior Building Renovation					41	85	11	87%	\$250,000	\$217,175	\$2,943		

Summary Table

												Estimates for the Current Year (2018)							
Section	Component	Year Last Replaced if Known	•	istorical Cost If vailable	Cos	eplacement at Estimated 003 Study	Replacement Cost Estimated 2008 Study	I	eplacement Cost Estimated 12 Update	Remaining Useful Life Estimated 2018		0	Percent Depreciated	Estimated Replacement Cost (2018)	Fully Funded Balance	Annual Depreciation Cost			
6.0	Building Interiors & Services																		
6.1	Interiors																		
6.1.1	Replace B-Unit Interior Finishes	2006	\$	50,220	\$	50,000		\$	57,592	5	12	5	58%	\$57,592	\$33,595	\$4,799			
6.1.2	Replace B-Unit Mailboxes (see "B-Units	2011	\$	9,959				\$	10,258	33	35	33	6%	\$11,500	\$657	\$329			
6.1.3	Refurbish Maintenance Office & Bathhou	2009	\$	446,909	\$	12,500		\$	479,836	41	50	41	18%	\$80,000	\$14,400	\$1,600			
6.2	Tools/Equipment																		
6.2.1	Replace B-unit Carpet Cleaner	2011	\$	2,333				\$	2,403	7	12	7	42%	\$2,500	\$1,042	\$208			
6.2.2	Replace Tractor + Accessories	2003	\$	2,600	\$	7,500	\$ 2,000	\$	2,150	3	18	3	83%	\$5,000	\$4,167	\$278			
6.2.3	Replace Snow Blower	2010	\$	1,840						5	13	5	62%	\$1,700	\$1,046	\$131			
6.2.4	Replace Pipe Camera & Locator	2015	\$	10,000				\$	10,000	17	20	17	15%	\$4,000	\$600	\$200			
6.2.5	Replace Pool/Maintenance HVAC	2016	\$	5,190				\$	-	13	15	13	13%	\$5,500	\$733	\$367			
6.2.6	Replace Miscellaneous Equipment							\$	-	5	10	5	50%	\$7,000	\$3,500	\$700			
6.3	Services																		
6.2.1	Replacement Reserve Study	2018	\$	10,000				\$	16,000	5	5	5	0%	\$10,000	\$0	\$2,000			

4 of 4 January 14, 2014

Total Funded Components

Full-Funding Percentage

\$8,242,927

\$317,701

\$16,760,229