

CITY OF NEWTON

IN BOARD OF ALDERMEN

PUBLIC FACILITIES COMMITTEE REPORT

WEDNESDAY, NOVEMBER 18, 2015

Present: Ald. Crossley (Chair), Albright, Brousal Glaser, Gentile, Laredo and Lappin

Absent: Ald. Lennon and Danberg

Also present: Ald. Baker and Fuller

City officials present: Lou Taverna (City Engineer), Arthur Cabral (Public Buildings Finance Manager), Ted Jerdee (Director of Utilities), Jim McGonagle (Commissioner of Public Works) Shane Mark (Director of Operations; Public Works Department), Jack Cowell (Financial Analyst; Department of Public Works), and Maureen Lemieux (Chief Financial Officer)

#102-06(17) CHESTNUT HILL REALTY requesting a modification to Board Order #102-06(14) for a common sewer extension and water main in Lagrange Street by relocating the sewer extension to BRYON ROAD from an existing manhole in Bryon Road extending 190' ± northerly to a proposed manhole in Lagrange Street. (Ward 8) [10/29/15 @ 2:21 PM]

**ACTION:** **APPROVED 5-0 (Brousal-Glaser not voting)**

**NOTE:** Attorney Frank Stearns representing Chestnut Hill Realty reviewed the request to modify the location of the sewer extension in Lagrange Street that was granted as part of Board Order # 102-06(14) approved on April 6, 2015. A portion of the extension needs to be relocated, to avoid a storm water culvert located in Lagrange Street. In order to avoid the culvert, the approved sewer extension needs to be modified to include an extension from a proposed manhole in Lagrange Street 190' into Bryon Road to an existing manhole. The Engineering Division of Public Works has reviewed the modified location and recommended approval. The public hearing was opened and no one spoke for or against the petition. Ald. Lappin moved approval, which carried by a vote of five in favor and none opposed.

#320-15 VERIZON NEW ENGLAND, INC. petitioning for a grant of location to relocate Pole No. P61/4 10' ± south of its existing location in TROY LANE to accommodate a new driveway for new homes at 29A and 29B Troy Lane. (Ward 5) [10/28/15 @ 10:41 AM]

**ACTION:** **APPROVED 6-0**

**NOTE:** Verizon Representative Ed Davis presented the request for a grant of location to relocate a pole in Troy Lane. The pole is currently located 2' into a proposed driveway for a new unit of housing at 29 Troy Lane. The plan is to move the pole 10' to the property line of 37 Troy Lane. The driveway for 37 Troy Lane is located on the other side of the property and the pole should not cause any problems for the residents of 37 Troy Lane. The pole would be located in the berm. The public hearing was opened and no one spoke for or against the petition. Ald. Albright moved approval, which carried unanimously.

**REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES**

#325-15 HIS HONOR THE MAYOR requesting authorization to appropriate and expend seven hundred sixty-six thousand dollars (\$766,000) from bonded indebtedness for the purpose of funding the replacement of the Manet Road Emergency Communications Facility Building, site modifications and tower optimization.  
[11/09/15 @ 3:43 PM]

**ACTION:** **APPROVED 6-0**

**NOTE:** Arthur Cabral of the Public Buildings Department presented the request for funding to replace the 1940s communications building on Manet Road to protect the communication equipment housed in the building. The building is in terrible shape and does not offer enough protection for the equipment. The Public Buildings Department expects to begin the work as soon as January 2016.

The Committee discussed the design funding for the project in December 2011. The project was sent out to bid last year but the bids came in high. The Administration felt that the project should be put on hold in order to re-bid it this year. Unfortunately, those bids came in higher than the previous bids. The plan is to use modular construction for the replacement building. The building is being re-sited 50' closer to the access road, up the slope, and further from abutting properties. Several trees and bushes in the area should provide screening as they mature. The Design Review Committee has reviewed the project and recommended the building be replaced.

Ward Alderman Lisle Baker raised concern that there has been no recent opportunity for public input on the siting and design of the building. There was no clear rendering of the proposed building provided as part of the backup information for the project. Mr. Cabral responded that the Public Buildings Department would be reaching out to the neighbors before any work begins. In addition, the Department will provide additional information on the project before the Finance Committee discusses the item on November 23, 2015. With that, Ald. Laredo moved approval, which carried unanimously.

**REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES**

#455-14 HIS HONOR THE MAYOR recommending amendment to Chapter 29, Section 80 **Sewer/Stormwater use charge.** of the City of Newton Ordinances to create a storm water rate fee structure based upon square footage of impervious surface area.

**ACTION:** **HELD 6-0**

**NOTE:** Although the Administration would have liked to move to a fee structure based on impervious surface area for storm water in Fiscal Year 2015, the above item was held in April 2015. The Administration needed additional time to refine its impervious surface data to ensure its accuracy before basing rates upon it. In addition, the City learned that there are two or three communities in Massachusetts that are charging a flat fee to residential properties but a graduated fee based on impervious surface area for all other properties. It was the Law Department's opinion that State statute required the City to charge the same type of fee to all properties. The City wanted the Massachusetts Department of Revenue to weigh in on whether

the City can charge one type of fee to residential properties and a different fee to all other properties. The Department of Revenue is taking a hands off approach to storm water fees. When the Committees held the item in April, the Administration agreed to be ready to propose a storm water rate based on impervious surfaces by December 1, 2015 for implementation next fiscal year. The goal of implementing a new storm water fee structure is to generate funds to repair the City's storm water infrastructure.

Director of Public Utilities Ted Jerdee introduced Dave Elmer from Weston and Sampson, who gave the attached presentation. The City hired Weston and Sampson to provide an assessment of the impervious area for 4,000 non-residential parcels identified by the City. Weston & Sampson used the March 2013 United States Geological Survey (USGS) color ortho imagery map and the City of Newton Assessor's parcel data. Impervious surface area was generated for each of the 4000 parcels using GIS software, impervious surfaces greater than 10 square feet were delineated and impervious area was broken down by surface type such as sidewalk, driveway roof area, utility pad, or tennis court. Weston and Sampson sampled the accuracy of the data for approximately 200 parcels to verify accurate delineation and that the impervious area was representative of the impervious surface shown on the USGS color ortho imagery map. Any supplemental data was generated by looking at as-built plans filed with the Engineering Division and Inspectional Service Department since 2013 to calculate impervious area for those parcels. There have only been 42 non-residential properties modified since 2013 and the GIS was updated to reflect the change in impervious area. Weston and Sampson provided the City with an imbedded ESRI geodatabase in a Microsoft Excel spreadsheet for all of the non-residential parcels that is based on the best data available to the City.

Committee members inquired if there was a process in place to continue to update the database going forward. Chief of Staff Maureen Lemieux explained that the Administration is setting up a process between the Inspectional Services Department, the Engineering and Utility Divisions of the Public Works Department. The Public Works Department now has an analyst to maintain the database and incorporate updates. Ms. Lemieux assured the Committee that the database would be kept up to date. A Committee member suggested that the storm water ordinance could include language regarding updating the database.

A draft ordinance was provided to the Committee in the Friday Packet. Ms. Lemieux explained that the draft ordinance is based on a set of fees for different ranges of impervious surface area. The Storm Water Working Group discussed the draft ordinance language before it was provided to the Committee and during that discussion; there was a request to see fees based on a linear model in the belief that it would be more equitable. Ms. Lemieux provided the Committee with the attached handout with both the draft ordinance fees (Scenario B) and a more linear model done with 10,000 square foot increments. She also provided the attached list of all non-residential properties by impervious area.

The Storm Water Group also discussed whether to exempt the City from the storm water fee. The Aldermen that are part of the Storm Water Group felt strongly that it was not appropriate to exempt the City, as the City currently pays for water, sewer, and other utility costs. If the linear model were to be implemented, it would cost the City at least \$33,000 more in fees than the proposed ordinance model.

The Committee discussed both models without reaching consensus on which was the most equitable. In order to proceed to the public hearing for the proposed storm water fees the Committee must reach a consensus on what fees are going to be charged. The Committee would like to schedule the public hearing for January 20, 2015. In addition, the City currently offers up to a 75% credit to property owners that have installed storm water mitigation mechanisms on their property. There needs to be a discussion on whether to reduce the credit and how much credit should be given for mitigation.

There was a suggestion that in order to make the fees more equitable, the draft ordinance structure should include more refined tiers and fees. Committee members felt that the Storm Water Working Group should further refine the fees and come back to the Committee with a revised proposal. A motion to hold the item was made and supported unanimously.

**REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES**

#224-15 **HIS HONOR THE MAYOR** requesting authorization to appropriate two million dollars (\$2,000,000) from bonded indebtedness for the purpose of funding Newton's share of the cost of the repairs to the Elliot Street Bridge, which the City co-owns with the Town of Needham. [09/01/15 @ 8:46 AM]

**ACTION:** **APPROVED 6-0**

**NOTE:** The Administration is requesting \$2 million from bonded indebtedness in order to fund the City's share of the repairs to the Elliot Street Bridge. The City is splitting the costs equally with the Town of Needham, who co-owns the bridge with Newton. The Town of Needham took the lead on the design for the repairs of the historically significant bridge and the City of Newton will manage the construction portion of the project. The bridge is in terrible shape and the state has decreased it's rating to poor and reduced the load rating from 20 tons to 15 tons. Neither Needham nor Newton can drive fire apparatus over the bridge due to its poor condition.

Repair of the bridge will likely result in closing of the bridge for up to six months. Small businesses in the area are very concerned that any lengthy closure of the bridge will be extremely detrimental to their businesses. The City's Economic Development Planner is working with the business to develop ideas to address the impact of the closure of the bridge on businesses. There are two detour routes planned, neither of which are great but the City of Newton and Town of Needham have no choice but to repair the bridge. The State could close the bridge to all traffic at any time.

Christopher Jones of Beta Engineering gave the Committee the same presentation that was given to businesses likely to be impacted by the bridge closure. The presentation was also included in the backup information attached to the agenda.

The bridge was constructed prior to 1844 and is a three-span stone arch bridge with gravel fill. There are two travel lanes, one in each direction, on the bridge. A sidewalk, built on concrete piers, was added to the bridge on the southern side in 1970 and a sidewalk was added

on the northern side in 1991. The bridge is listed as Cook's Bridge on the National Register of Historic Places and the Massachusetts Historic Commission's State Register of Historic Places.

There are several structural deficiencies associated with the bridge. Stones along the water line have deteriorated. Several of the bridge stones have shifted, some of the stones are moveable by hand, there are voids behind some of the stones and there are large gaps between the stones. Some of the main stones have fallen out (but have been repaired). The gravel fill is not stable and can drain from the bridge through the loose stones. In addition, the northwest stone wing wall is bulging because of the increased loads from the added sidewalk. Beta Engineering is monitoring the bridge to ensure that it remains safe to use.

The goal of the project is to address all of the deficiencies and restore the load capacity of the bridge, while complying with the Historic Preservation Act. The plan is to use a concrete arch saddle that would allow all of the gravel fill to be removed and replaced with reinforced concrete. The south spandrel wall would be rebuilt, the north spandrel wall would be rebuilt with reinforcements and the stones from the original wall would be reused. The contractor would also drill through the existing piers and abutments and fill them with concrete to reinforce them and provide relief to the deteriorated stones at the water line. The plan addresses all of the goals of the project.

The project also includes the addition of several pedestrian amenities like wider sidewalks and the addition of benches on the bridge. In addition, there will be a vehicle railing at the curb to provide separation between vehicles and pedestrians. There would also be some ornamental lighting and railings, and banners to enhance the aesthetics of the bridge. All of the aerial wires along the bridge are to be removed, as part of the project. Unfortunately, there is not enough room on the bridge to have dedicated bicycle lanes. Cars and bicycles will share the road over the bridge.

The engineers investigated the possibility of providing a temporary bridge during reconstruction; however, Newton and Needham do not have a right of way for a temporary bridge. In addition, there are environmental, historical, and utility impacts to placing a temporary bridge at the site and even if it were possible to install a temporary bridge, the cost would be exorbitant.

The expected closure period of the bridge is from July to December 2016. The bid is expected to be released in January or February and the project still needs to be reviewed by the Historical Commission and the Conservation Commission. There will be efforts to minimize the closure by including incentive clauses in the contract language, proposing extended work shifts, not closing the bridge until the contractor has completed all preparatory work, and reducing lanes before and after the bridge work is complete. These measures could reduce the closure period by approximately 1.5 months.

Committee members understood the need to repair the bridge but would like efforts made to reduce the closure time. The closure of the bridge is going to have a real impact on both businesses and residents that use the bridge every day. It was suggested that the contractor could

look at getting reasonable noise ordinance waivers from the Mayor to continue work past 7 PM. It was pointed out that there are residents in proximity of the bridge and the City should be considerate of them in terms of noise at night. Members requested that the Public Works Department provide the number of vehicles that use the bridge each day. The Committee also requested that the Department of Public Works communicate with the businesses and residents in the area on a regular basis to keep them up to date on the project.

Ald. Lappin moved approval, which carried unanimously.

**REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES**

#324-15 HIS HONOR THE MAYOR requesting authorization to appropriate and expend four hundred thousand dollars (\$400,000) from bonded indebtedness for the purpose of replacing a Combination Sewer Cleaner for the Utilities Division of the Department of Public Works. [11/09/15 @ 3:43 PM]

**ACTION:** **APPROVED 6-0**

**NOTE:** Utilities Director Ted Jerdee presented the request for \$400,000 to purchase a new combination sewer cleaner vehicle for the Utilities Division of the Department of Public Works. There were sample specifications for the new equipment attached to the agenda for the meeting. The department would be replacing a 2003 vehicle that has required \$203,607 in repair, which is more than the initial cost of the vehicle. The department currently has three sewer cleaner vehicles.

The vehicle is used to clear sewer main blockages, clean catch basins, and, occasionally, residential sewer connections. Committee members were concerned that the City remained in the business of providing sewer connection cleaning services. Mr. Jerdee explained that the Board of Aldermen had increased the cost of sewer connection clean-outs to bring costs in line of what a private company would charge. Since that change was made a few years ago, the number of requests has dropped substantially. If the City wants to get out of the sewer connection clean-out business, there would need to be a change to the Ordinances eliminating that service.

Mr. Jerdee highlighted the other functions of the sewer cleaner, which include prepping lines for camera inspection and hydro-excavation in confined areas. With that, Ald. Laredo moved approval, which carried unanimously.

**REFERRED TO PS&T, PUBLIC FACILITIES AND FINANCE COMMITTEES**

#85-15 ALD. SANGIOLO requesting discussion with the Director of Transportation and the Transportation Coordinator to determine whether a fee could be imposed on all residents who own automobiles in the City. Such fee to be placed into a transportation fund to pay for roadway and sidewalk improvements. Residents would get a parking sticker in return for each automobile they have registered with the City that would enable them to bypass parking restrictions in the City except for Tow Zones and Fire Hydrants and any other emergency zones determined by the Police and Fire Departments.

**FINANCE VOTED NO ACTION NECESSARY 7-0 on 11/09/15**

**PS&T VOTED NO ACTION NECESSARY 6-0 on 11/18/15**

**ACTION: NO ACTION NECESSARY 5-0 (Gentile not voting)**

**NOTE:** Ald. Laredo moved the item no action necessary, and the Committee voted to unanimously support the motion.

**REFERRED TO PS&T, PUBLIC FACILITIES AND FINANCE COMMITTEES**

#310-10(2) ALD. DANBERG, BLAZAR, KALIS, SCHWARTZ, ALBRIGHT, HESS-  
(#409-12) MAHAN, RICE, COTE, LEARY, AND NORTON requesting amendments to  
Sec. 26-8D of the City of Newton Ordinances to modify and make permanent the  
trial program for removal of snow and ice from sidewalks and to provide for  
enforcements and fines for violations. [09/10/14 @ 2:12 PM]

**PS&T VOTED NO ACTION NECESSARY 5-0 ON 11/04/15**

**FINANCE VOTED NO ACTION NECESSARY 7-0 on 11/09/15**

**ACTION: NO ACTION NECESSARY 5-0 (Gentile not voting)**

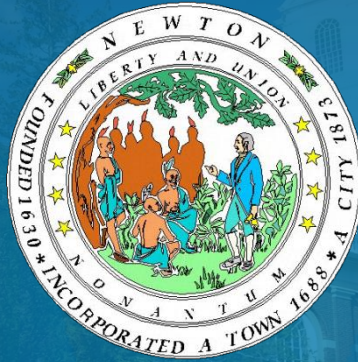
**NOTE:** The request was voted no action necessary as the residential snow clearing trial was extend for another year to gather further data to determine what the proposed language for a permanent ordinance should be. Ald. Lappin moved no action necessary, which carried unanimously.

All other items before the Committee were held without discussion and the Committee adjourned at 9:20 PM.

Respectfully submitted,

Deborah Crossley, Chairman

# Impervious Area Assessment



## City of Newton, MA

November 18, 2015



# Project Purpose

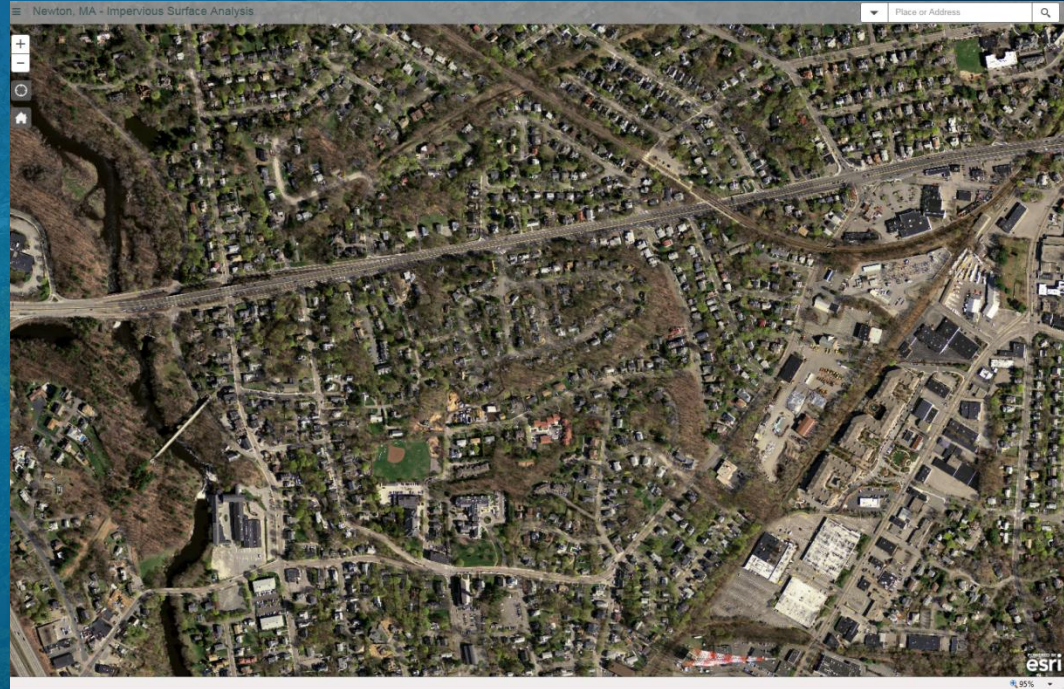
#455-14

**Provide an assessment of the impervious area associated with 4,000 non-residential parcels for the City's use in assessing stormwater fees.**

# Data Sources

#455-14

- March 2013  
USGS Color  
Ortho Imagery
- Assessor's  
Parcel Data



# Approach

- **Impervious areas generated for each parcel using GIS software.**
- **Delineated impervious surfaces greater than 10 sq. ft.**

# Approach

- **Impervious area broken down by surface type:**
  - Sidewalks/Walkways
  - Driveway/Paved Area
  - Roof Area
  - Deck
  - Patio
  - Utility Pad
  - Tennis/Basketball Court
  - Private Roadway
  - Other Misc. Impervious Surfaces.

City GIS Parcels - Evaluated



City GIS Parcels - Not Evaluated



Swimming Pools



Impervious Areas

- Paved Sidewalk / walkway
- Paved Driveway
- Parking
- Roof (structure)
- Other / Misc. Imp. Surface
- Patio
- Concrete pad ( utility/etc.)
- Deck
- Tennis / Basketball Court
- Private Road
- Other



# Impervious Area Delineation Examples <sup>#455-14</sup>

- Newton North High School
- Woodland Country Club
- Small Office Complex



#455-14

Legend

City GIS Parcels - Evaluated




City GIS Parcels - Not Evaluated



Swimming Pools



Impervious Areas

-  Paved Sidewalk / walkway
-  Paved Driveway
-  Parking
-  Roof (structure)
-  Other / Misc. Imp. Surface
-  Patio
-  Concrete pad ( utility/etc.)
-  Deck
-  Tennis / Basketball Court
-  Private Road
-  Other



360 LOWELL AVE	
MAP_PAR_ID	24018 0001
AddressNum	360
Street	LOWELL AVE
Land_Use	934
Total of Impervious	563,144.73

#455-14

Legend

City GIS Parcels - Evaluated



City GIS Parcels - Not Evaluated



Swimming Pools



Impervious Areas

-  Paved Sidewalk / walkway
-  Paved Driveway
-  Parking
-  Roof (structure)
-  Other / Misc. Imp. Surface
-  Patio
-  Concrete pad ( utility/etc.)
-  Deck
-  Tennis / Basketball Court
-  Private Road
-  Other





Legend

City GIS Parcels - Evaluated



City GIS Parcels - Not Evaluated



Swimming Pools



Impervious Areas

- Paved Sidewalk / walkway
- Paved Driveway
- Parking
- Roof (structure)
- Other / Misc. Imp. Surface
- Patio
- Concrete pad ( utility/etc.)
- Deck
- Tennis / Basketball Court
- Private Road
- Other



(3 of 3)

1005 CHESTNUT ST	
MAP_PAR_ID	51002 0001
AddressNum	1005
Street	CHESTNUT ST
Land_Use	340
Total of Impervious	3,979.83

# Data QA/QC

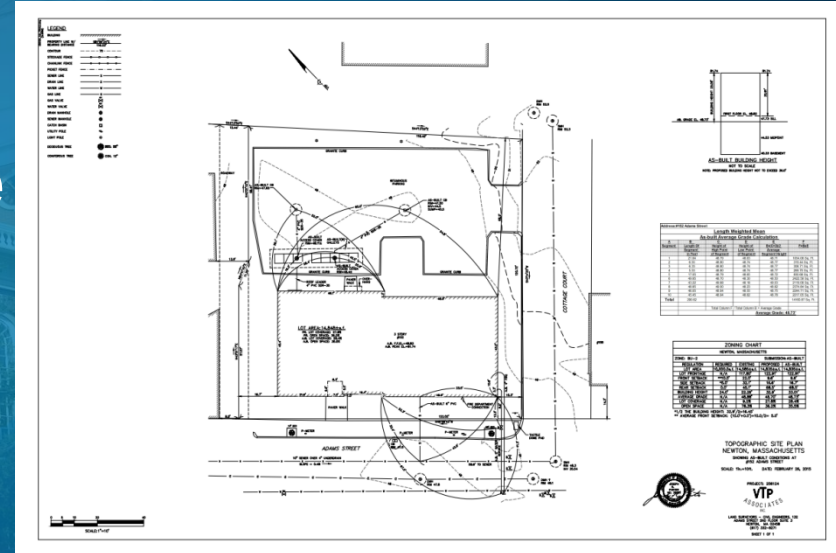
#455-14

- **Approximately 200 parcels**
- **Used to verify:**
  - **Accurate delineation of impervious surfaces.**
  - **Impervious area was representative of impervious surface shown on the 2013 aerial imagery.**

# Supplemental Data

#455-14

- As-builts used to calculate impervious area for parcels modified since 2013
- 42 non-residential parcels
- GIS updated to reflect as-built impervious area



# Final Deliverable

#455-14

- ESRI
- Geodatabase
- Microsoft
- Excel

Weston & Sampson Impervious Area Dataset - City Deliverable 09.16.15.xlsx - Microsoft Excel

Map Parcel ID	Address Number	Street	Land Use Code	Land Use Description	Total Impervious Area (ft <sup>2</sup> )
11001 0001	137-139	CALIFORNIA ST	401	Warehouses for storage of manufactured products	40,668.12
11001 0001A	141-145	CALIFORNIA ST	340	General Office Buildings	61,668.60
11001 0001B	153	CALIFORNIA ST	340	General Office Buildings	3,645.73
11001 0001C	44	RIVERDALE AVE	400	Buildings for manufacturing operations	15,061.12
11001 0001D	149	CALIFORNIA ST	400	Buildings for manufacturing operations	15,019.19
11001 0003	36	RIVERDALE AVE	337	Parking Lots - a commercial open parking lot for motor vehicles	7,503.44
11001 0004	30	RIVERDALE AVE	031	Mixed Use (Primarily Commercial, some Residential)	29,773.81
11001 0005		RIVERDALE AVE	920	Dept. of Conservation and Recreation (DCR) - Division of Urban Parks and Recreation (non-reimbursable)	6,334.48
11002 0001	37	RIVERDALE AVE	013	Mixed Use (Primarily Residential, some Commercial)	7,811.78
11002 0002A		RIVERDALE AVE	132	Undevelopable Residential Land	2,397.18
11002 0003	167	CALIFORNIA ST	400	Buildings for manufacturing operations	6,406.78
11002 0004	173	CALIFORNIA ST	031	Mixed Use (Primarily Commercial, some Residential)	8,837.91
11002 0007	15	RIVERDALE AVE	400	Buildings for manufacturing operations	109,572.49
11002 0008	8	MIDLAND AVE	340	General Office Buildings	13,778.57
11002 0010		RIVERDALE AVE	920	Dept. of Conservation and Recreation (DCR) - Division of Urban Parks and Recreation (non-reimbursable)	0.00
11004 0005	25-29	LOS ANGELES ST	316	Other Storage, Warehouse, and Distribution facilities (see also usecode 401)	16,574.67
11004 0005A	189	CALIFORNIA ST	326	Eating and Drinking Establishments - restaurants, diners, fast food establishments, bars, nightclubs	8,217.25
11004 0005B	41	LOS ANGELES ST	332	Auto Repair Facilities	8,421.04
11004 0006	197	CALIFORNIA ST	326	Eating and Drinking Establishments - restaurants, diners, fast food establishments, bars, nightclubs	30,403.10
11004 0007	213	CALIFORNIA ST	400	Buildings for manufacturing operations	19,795.71
11004 0008	217	CALIFORNIA ST	400	Buildings for manufacturing operations	28,163.30
11004 0009	225	CALIFORNIA ST	316	Other Storage, Warehouse, and Distribution facilities (see also usecode 401)	10,622.11
11004 0010	227	CALIFORNIA ST	316	Other Storage, Warehouse, and Distribution facilities (see also usecode 401)	6,947.00
11004 0013	229	CALIFORNIA ST	931	Improved, Selectmen or City Council (Municipal)	61,454.96
11004 0017	247	CALIFORNIA ST	102	Residential Condominium	2,903.78
11004 0021	42-44	RUSTIC ST	102	Residential Condominium	7,603.67
11004 0024	14-28	RUSTIC ST	102	Residential Condominium	12,521.90
11004 0029		RIVERDALE AVE	920	Dept. of Conservation and Recreation (DCR) - Division of Urban Parks and Recreation (non-reimbursable)	10,201.52
11005 0001	11-21	RUSTIC ST	102	Residential Condominium	8,281.69
11005 0008	285	CALIFORNIA ST	954	Function Halls, Community Centers, Fraternal Organizations (Charitable Org.)	38,171.15
11005 0008A	295	CALIFORNIA ST	954	Function Halls, Community Centers, Fraternal Organizations (Charitable Org.)	68,884.78
11005 0008B	31	RUSTIC ST	111	Apartments with Four to Eight Units	10,574.29
11005 0010	305-307	CALIFORNIA ST	111	Apartments with Four to Eight Units	7,902.05
11005 0016	311	CALIFORNIA ST	030	Dept. of Conservation and Recreation (DCR) - Division of Urban Parks and Recreation (non-reimbursable)	10,037.74

# Results

- **Analysis based on best impervious data currently available to the City.**
- **High degree of confidence in data generated using the 2013 aerial imagery.**
- **Consistent Dataset.**

**IMPERVIOUS AREA - STORMWATER CALCULATIONS  
FISCAL YEAR 2017 IMPLEMENTATION**

**#455-14 18-Nov-15**  
mll

-----SCENARIO B-----				-----10,000 Sq Ft Increments-----			
	<u># Parcels</u>	<u>\$ per Parcel</u>	<u>Total per Group</u>		<u># Parcels</u>	<u>\$ per Parcel</u>	<u>Total per Group</u>
0-5,000	328	\$ 250.00	\$ 82,000	0-5,000	328	\$ 280.00	\$ 91,840
5,000-7,500	156	\$ 500.00	\$ 78,000	5,000-7,500	156	\$ 280.00	\$ 43,680
7,500-10,000	133	\$ 750.00	\$ 99,750	7,500-10,000	133	\$ 280.00	\$ 37,240
10,000-15,000	136	\$ 1,000.00	\$ 136,000	10,000-15,000	136	\$ 560.00	\$ 76,160
15,000-25,000	133	\$ 1,250.00	\$ 166,250	15,000-20,000	70	\$ 560.00	\$ 39,200
				20,000-25,000	63	\$ 840.00	\$ 52,920
25,000-50,000	135	\$ 1,500.00	\$ 202,500	25,000-30,000	35	\$ 840.00	\$ 29,400
				30,000-40,000	60	\$ 1,120.00	\$ 67,200
				40,000-50,000	40	\$ 1,400.00	\$ 56,000
50,000-75,000	57	\$ 1,750.00	\$ 99,750	50,000-60,000	27	\$ 1,680.00	\$ 45,360
				60,000-70,000	22	\$ 1,960.00	\$ 43,120
				70,000-75,000	8	\$ 2,240.00	\$ 17,920
75,000-100,000	41	\$ 2,000.00	\$ 82,000	75,000-80,000	11	\$ 2,240.00	\$ 24,640
				80,000-90,000	16	\$ 2,520.00	\$ 40,320
				90,000-100,000	14	\$ 2,800.00	\$ 39,200
100,000-250,000	56	\$ 2,500.00	\$ 140,000	100,000-110,000	8	\$ 3,080.00	\$ 24,640
				110,000-120,000	10	\$ 3,360.00	\$ 33,600
				120,000-130,000	6	\$ 3,640.00	\$ 21,840
				130,000-140,000	7	\$ 3,920.00	\$ 27,440
				140,000-150,000	7	\$ 4,200.00	\$ 29,400
				150,000-160,000	2	\$ 4,480.00	\$ 8,960
				160,000-170,000	3	\$ 4,760.00	\$ 14,280
				170,000-180,000	3	\$ 5,040.00	\$ 15,120
				180,000-190,000	2	\$ 5,320.00	\$ 10,640
				190,000-200,000	1	\$ 5,600.00	\$ 5,600
				200,000-210,000	3	\$ 5,880.00	\$ 17,640
				210,000-220,000	0	\$ 6,160.00	\$ -
				220,000-230,000	1	\$ 6,440.00	\$ 6,440
				230,000-240,000	1	\$ 6,720.00	\$ 6,720
				240,000-250,000	2	\$ 7,000.00	\$ 14,000
>250,000	23	\$ 5,000.00	\$ 115,000	>250,000	23	\$ 7,280 to \$24,360	\$ 271,320
<b>TOTAL</b>	<b>1,198</b>		<b>\$ 1,201,250</b>		<b>1,198</b>		<b>\$ 1,211,840</b>
<b>After Mitigation Credit</b>		<b>25%</b>	<b>\$ 1,081,125</b>			<b>25%</b>	<b>\$ 1,030,064</b>

	<u>Current</u>	<u>Scenario "B"</u>	<u>"Linear"</u>
City of Newton	\$ 8,800	\$ 87,250	\$ 121,240
Boston College	\$ 9,075	\$ 39,900	\$ 67,070
Lasell College	\$ 4,700	\$ 22,000	\$ 23,800
Mt Ida College	\$ 400	\$ 6,750	\$ 22,680

By Impervious

AREA

#455-14  
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Owner Name	Location	Total Impervious Area (ft <sup>2</sup> ) Calculated using GIS Software	Version B	\$ 325	# 10,000 sq ft	250.00	Per 10,000
OWNER NAME	LOCATION	IMPERVIOUS AREA	Scenario B	LINEAR	Sq Ft	Per 10,000	
BALDWIN ST CONDO TR	15 BALDWIN ST	#N/A	\$ 75	\$ 75	0.0000	\$ 75	
BAR CLAY	73 WALNUT ST	#N/A	\$ 75	\$ 75	0.0000	\$ 75	
BAR CLAY	89 WALNUT ST	#N/A	\$ 75	\$ 75	0.0000	\$ 75	
BOSTON COLLEGE	185 HAMMOND ST	#N/A	\$ 75	\$ 75	0.0000	\$ 75	
BOSTON COLLEGE	185 HAMMOND ST	#N/A	\$ 75	\$ 75	0.0000	\$ 75	
CHARLSEBANK COURT CONDO	15 CHARLESBANK RD	#N/A	\$ 75	\$ 75	0.0000	\$ 75	
HAMMOND HOMES CONDO ASSOC	74 BOYLSTON ST	#N/A	\$ 75	\$ 75	0.0000	\$ 75	
HAMMOND PARK TRUST	130 BOYLSTON ST	#N/A	\$ 75	\$ 75	0.0000	\$ 75	
LEDGEBROOK CONDOS	652 WINCHESTER ST 001	#N/A	\$ 75	\$ 75	0.0000	\$ 75	
NEWTON HOUSING AUTHORITY	680 WATERTOWN ST	#N/A	\$ 75	\$ 75	0.0000	\$ 75	
REGENCY CONDOMINIUM TRUST	611 WATERTOWN ST	#N/A	\$ 75	\$ 75	0.0000	\$ 75	
THE DARTMOUTH GROUP	655A SAW MILL BROOK PKWY	#N/A	\$ 75	\$ 75	0.0000	\$ 75	
THE FARM AT CHESTNUT HILL	97 FLORENCE ST	#N/A	\$ 75	\$ 75	0.0000	\$ 75	
THE HIGHLANDS CONDOMINIUM	72 LINCOLN ST	#N/A	\$ 75	\$ 75	0.0000	\$ 75	
BOSTON COLLEGE	140 COMMONWEALTH AVE	866,231	\$ 5,000	\$ 28,152	86.62	87.0000	\$ 24,360
MT IDA COLLEGE	777 DEDHAM ST	732,485	\$ 5,000	\$ 23,806	73.25	74.0000	\$ 20,720
NEWTON CEMETERY CORP	1160 COMMONWEALTH AVE	625,922	\$ 5,000	\$ 20,342	62.59	63.0000	\$ 17,640
CITY OF NEWTON/NEWTON SOUTH	140 BRANDEIS RD	572,841	\$ 5,000	\$ 18,617	57.28	58.0000	\$ 16,240
CITY OF NEWTON/NEWTON NORTH	457 WALNUT ST	563,145	\$ 5,000	\$ 18,302	56.31	57.0000	\$ 15,960
NEWTON-WELLESLEY HOSPITAL	2011 BEACON ST	516,116	\$ 5,000	\$ 16,774	51.61	52.0000	\$ 14,560
CHARLES RIVER COUNTRY CL	483 DEDHAM ST	404,766	\$ 5,000	\$ 13,155	40.48	41.0000	\$ 11,480
NORTHLAND OAK ST LLC	156 OAK ST	388,006	\$ 5,000	\$ 12,610	38.80	39.0000	\$ 10,920
CHS COMMERCIAL OWNER LLC	200 BOYLSTON ST	381,510	\$ 5,000	\$ 12,399	38.15	39.0000	\$ 10,920
SIMON PROPERTIES	225 BOYLSTON ST	377,926	\$ 5,000	\$ 12,283	37.79	38.0000	\$ 10,640
HINES GLOBAL REIT PROPERTIES LP	275 GROVE ST	371,916	\$ 5,000	\$ 12,087	37.19	38.0000	\$ 10,640
BOSTON COLLEGE	55 MILL ST	368,914	\$ 5,000	\$ 11,990	36.89	37.0000	\$ 10,360
CHESTNUT HILL SHOPPING CENTER LLC	33 BOYLSTON ST	345,673	\$ 5,000	\$ 11,234	34.57	35.0000	\$ 9,800
BRAE BURN COUNTRY CLUB	326 FULLER ST	336,354	\$ 5,000	\$ 10,931	33.64	34.0000	\$ 9,520
CITY OF NEWTON FIRE	144 ELLIOT ST	335,063	\$ 5,000	\$ 10,890	33.51	34.0000	\$ 9,520
CHSPTRS NEWTON LLC	2345 COMMONWEALTH AVE	323,931	\$ 5,000	\$ 10,528	32.39	33.0000	\$ 9,240
SIMON PROPERTIES	175 BOYLSTON ST	313,063	\$ 5,000	\$ 10,175	31.31	32.0000	\$ 8,960
NORMANDY REAL ESTATE PARTNERS	85 WELLS AVE	312,502	\$ 5,000	\$ 10,156	31.25	32.0000	\$ 8,960
NEWTON YACHT CLUB	00 CHARLESBANK RD	305,418	\$ 5,000	\$ 9,926	30.54	31.0000	\$ 8,680
ANDOVER NEWTON THEO SCHL	125 HERRICK RD	292,523	\$ 5,000	\$ 9,507	29.25	30.0000	\$ 8,400
LEVENTHAL SIDMAN JEWISH	333 NAHANTON ST	292,297	\$ 5,000	\$ 9,500	29.23	30.0000	\$ 8,400
TOWERS OF CHESTNUT HILL	250 HAMMOND POND PKWY	289,120	\$ 5,000	\$ 9,396	28.91	29.0000	\$ 8,120
FESSENDEN SCHOOL	246 WALTHAM ST	258,799	\$ 5,000	\$ 8,411	25.88	26.0000	\$ 7,280
BOSTON COLLEGE	833 CENTRE ST	245,324	\$ 2,500	\$ 7,973	24.53	25.0000	\$ 7,000
NEW ALBERTSONS INC /CHESTNUT HILL	51 BOYLSTON ST	245,263	\$ 2,500	\$ 7,971	24.53	25.0000	\$ 7,000
AVALONBAY COMMUNITIES INC	89 NEEDHAM ST	233,281	\$ 2,500	\$ 7,582	23.33	24.0000	\$ 6,720
NORTHLAND MANAGEMENT CORP	241 NEEDHAM ST	227,083	\$ 2,500	\$ 7,380	22.71	23.0000	\$ 6,440
WOODLAND GOLF CLUB	00 WASHINGTON ST	207,478	\$ 2,500	\$ 6,743	20.75	21.0000	\$ 5,880
THE NEWTON TERRACES LLC	287 LANGLEY RD	206,481	\$ 2,500	\$ 6,711	20.65	21.0000	\$ 5,880
TEMPLE MISHKAN TEFILA	300 HAMMOND POND PKWY	204,883	\$ 2,500	\$ 6,659	20.49	21.0000	\$ 5,880
STOP & SHOP	148 CALIFORNIA ST	190,886	\$ 2,500	\$ 6,204	19.09	20.0000	\$ 5,600
NEWTON TECHNOLOGY PARK	151 NEEDHAM ST	185,792	\$ 2,500	\$ 6,038	18.58	19.0000	\$ 5,320
LU JERRI	2 WELLS AVE	184,614	\$ 2,500	\$ 6,000	18.46	19.0000	\$ 5,320
E/Z STORAGE C/O NOLAN PROPERTIES GR	300 NEEDHAM ST	178,540	\$ 2,500	\$ 5,803	17.85	18.0000	\$ 5,040
CHAPEL BRIDGE PK ASSOC	39 CHAPEL ST	177,334	\$ 2,500	\$ 5,763	17.73	18.0000	\$ 5,040
THE GATEWAY REALTY TR	296 WASHINGTON ST	171,069	\$ 2,500	\$ 5,560	17.11	18.0000	\$ 5,040
PACKARD COVE ASSOCIATES LLP	130 RUMFORD AVE	164,227	\$ 2,500	\$ 5,337	16.42	17.0000	\$ 4,760
CITY OF NEWTON/BROWN JR HIGH	135 MEADOWBROOK RD	161,925	\$ 2,500	\$ 5,263	16.19	17.0000	\$ 4,760
CITY OF NEWTON PUBLIC WKS	110 CRAFTS ST	160,425	\$ 2,500	\$ 5,214	16.04	17.0000	\$ 4,760
LASELL VILLAGE	60 SEMINARY AVE	156,359	\$ 2,500	\$ 5,082	15.64	16.0000	\$ 4,480
BOSTON COLLEGE	159 HAMMOND ST	154,683	\$ 2,500	\$ 5,027	15.47	16.0000	\$ 4,480
ONE WELLS AVE ASSOCIATES	1 WELLS AVE	149,452	\$ 2,500	\$ 4,857	14.95	15.0000	\$ 4,200
HAYNES G ARNOLD	1028 CHESTNUT ST	148,009	\$ 2,500	\$ 4,810	14.80	15.0000	\$ 4,200
AVALONBAY COMMUNITIES INC	160 BOYLSTON ST	145,066	\$ 2,500	\$ 4,715	14.51	15.0000	\$ 4,200
LASELL COLLEGE	200 WOODLAND RD	144,821	\$ 2,500	\$ 4,707	14.48	15.0000	\$ 4,200
160 CHARLEMONT LLC	1600 CHARLEMONT ST	144,341	\$ 2,500	\$ 4,691	14.43	15.0000	\$ 4,200
VIRIDIAN ASSOCIATES LLC	84 ROWE ST	142,958	\$ 2,500	\$ 4,646	14.30	15.0000	\$ 4,200
LASELL COLLEGE	10 STUDIO RD	140,271	\$ 2,500	\$ 4,559	14.03	15.0000	\$ 4,200
HAMPTON PLACE CONDOMINIUM	77 FLORENCE ST 002	138,759	\$ 2,500	\$ 4,510	13.88	14.0000	\$ 3,920
NEWTON COUNTRY DAY SCHL	785 CENTRE ST	138,110	\$ 2,500	\$ 4,489	13.81	14.0000	\$ 3,920
HOGAN BOB	0 MOULTON ST	137,911	\$ 2,500	\$ 4,482	13.79	14.0000	\$ 3,920
NSTAR ELECTRIC AND GAS	48 ELLIOT ST	136,873	\$ 2,500	\$ 4,448	13.69	14.0000	\$ 3,920

		#N/A	\$ 75	\$ 75	0.0000	\$ 75
BALDWIN ST CONDO TR	15 BALDWIN ST					
SOLOMON SCHECHTER DAY SCH	125 WELLS AVE	132,874	\$ 2,500	\$ 4,318	13.29	14.0000 \$ 3,920
IMPERIAL TOWERS COND ASSO	280 BOYLSTON ST	132,866	\$ 2,500	\$ 4,318	13.29	14.0000 \$ 3,920
NAHANTON WOODS CONDO TRUS	210 NAHANTON ST	132,733	\$ 2,500	\$ 4,314	13.27	14.0000 \$ 3,920
BRAE BURN COUNTRY CLUB	00 STANTON AVE	126,575	\$ 2,500	\$ 4,114	12.66	13.0000 \$ 3,640
CHATHAM REALTY TRUST	276 GROVE ST	124,883	\$ 2,500	\$ 4,059	12.49	13.0000 \$ 3,640
CITY OF NEWTON/BURR SCHOOL	171 PINE ST	122,743	\$ 2,500	\$ 3,989	12.27	13.0000 \$ 3,640
BOSTON SPORTS CLUB	135 WELLS AVE	122,174	\$ 2,500	\$ 3,971	12.22	13.0000 \$ 3,640
CITY OF NEWTON LIBRARY	330 HOMER ST	121,742	\$ 2,500	\$ 3,957	12.17	13.0000 \$ 3,640
CITY OF NEWTON	15 WALNUT PK	121,574	\$ 2,500	\$ 3,951	12.16	13.0000 \$ 3,640
BOSTON COLLEGE	84 COMMONWEALTH AVE	117,226	\$ 2,500	\$ 3,810	11.72	12.0000 \$ 3,360
CITY OF NEWTON/F A DAY JR HIGH	21 MINOT PL	117,064	\$ 2,500	\$ 3,805	11.71	12.0000 \$ 3,360
ALBERTSONS INC SITE #7568	2040 COMMONWEALTH AVE	116,791	\$ 2,500	\$ 3,796	11.68	12.0000 \$ 3,360
SISTERS OF SAINT JOSEPH	200 JACKSON RD	114,361	\$ 2,500	\$ 3,717	11.44	12.0000 \$ 3,360
FRANCISCAN SISTERS	790 CENTRE ST	113,082	\$ 2,500	\$ 3,675	11.31	12.0000 \$ 3,360
ONE NEVADA REALTY LLC	320 NEVADA ST	111,892	\$ 2,500	\$ 3,637	11.19	12.0000 \$ 3,360
ATRIUM WELLNESS CENTER LLC	300 BOYLSTON ST	111,403	\$ 2,500	\$ 3,621	11.14	12.0000 \$ 3,360
CITY OF NEWTON/ED CENTER	100 WALNUT ST	110,532	\$ 2,500	\$ 3,592	11.05	12.0000 \$ 3,360
CITY OF NEWTON/OAK HILL	130 WHEELER RD	110,390	\$ 2,500	\$ 3,588	11.04	12.0000 \$ 3,360
PARTNERS HEALTHCARE	159 WELLS AVE	110,196	\$ 2,500	\$ 3,581	11.02	12.0000 \$ 3,360
C & K COMPONENTS	15 RIVERDALE AVE	109,572	\$ 2,500	\$ 3,561	10.96	11.0000 \$ 3,080
CITY OF NEWTON PKS & REC	1000 COMMONWEALTH AVE	108,011	\$ 2,500	\$ 3,510	10.80	11.0000 \$ 3,080
HAMLET ASSOC	27 HAMLET ST	107,182	\$ 2,500	\$ 3,483	10.72	11.0000 \$ 3,080
H C STARCK INC	152 CHARLEMONT ST	104,597	\$ 2,500	\$ 3,399	10.46	11.0000 \$ 3,080
WELLS 180 LLC	180 WELLS AVE	103,513	\$ 2,500	\$ 3,364	10.35	11.0000 \$ 3,080
UBC EQUITY PARTNERS LLC	19 NEEDHAM ST	102,093	\$ 2,500	\$ 3,318	10.21	11.0000 \$ 3,080
WARREN HOUSE ASSOCIATES	1600 WASHINGTON ST	101,640	\$ 2,500	\$ 3,303	10.16	11.0000 \$ 3,080
KSKS PARTNERS	59 CHAPEL ST	100,539	\$ 2,500	\$ 3,268	10.05	11.0000 \$ 3,080
CITY OF NEWTON/BOWEN	280 CYPRESS ST	99,815	\$ 2,000	\$ 3,244	9.98	10.0000 \$ 2,800
CITY OF NEWTON/FRANKLIN	125 DERBY ST	98,992	\$ 2,000	\$ 3,217	9.90	10.0000 \$ 2,800
ALBEMARLE REALTY TRUST	129 NORTH ST	98,809	\$ 2,000	\$ 3,211	9.88	10.0000 \$ 2,800
WEEKS SCHOOL	7 HERWARD RD	98,733	\$ 2,000	\$ 3,209	9.87	10.0000 \$ 2,800
TEMPLE REYIM	1858 WASHINGTON ST	97,575	\$ 2,000	\$ 3,171	9.76	10.0000 \$ 2,800
NATIONAL LUMBER CO	19 EASY ST	97,452	\$ 2,000	\$ 3,167	9.75	10.0000 \$ 2,800
STERLING GOLF MNGMNT INC	212 KENRICK ST	97,299	\$ 2,000	\$ 3,162	9.73	10.0000 \$ 2,800
LASELL COLLEGE	111 WOODLAND RD	95,000	\$ 2,000	\$ 3,088	9.50	10.0000 \$ 2,800
CITY OF NEWTON/COUNTRYSIDE	191 DEDHAM ST	94,915	\$ 2,000	\$ 3,085	9.49	10.0000 \$ 2,800
TEMPLE BETH AVODAH	45 PUDDINGSTONE LANE 001	94,830	\$ 2,000	\$ 3,082	9.48	10.0000 \$ 2,800
B.H. NORMANDY OWNER LLC	399 GROVE ST	94,026	\$ 2,000	\$ 3,056	9.40	10.0000 \$ 2,800
260 NEEDHAM ST ASSOCIATES	260 NEEDHAM ST	93,835	\$ 2,000	\$ 3,050	9.38	10.0000 \$ 2,800
H C STARCK INC	50 INDUSTRIAL PL	91,348	\$ 2,000	\$ 2,969	9.13	10.0000 \$ 2,800
FRANCISCAN SISTERS	20 MANET RD	91,078	\$ 2,000	\$ 2,960	9.11	10.0000 \$ 2,800
NORMANDY REAL ESTATE PARTNERS	57 WELLS AVE	89,649	\$ 2,000	\$ 2,914	8.96	9.0000 \$ 2,520
CITY OF NEWTON/MEMORIAL SPAULDING	250 BROOKLINE ST	89,208	\$ 2,000	\$ 2,899	8.92	9.0000 \$ 2,520
CITY OF NEWTON /ZERVAS SCHOOL	30 BEETHOVEN AVE	87,752	\$ 2,000	\$ 2,852	8.78	9.0000 \$ 2,520
HACKEL ALLEN TR	1320 CENTRE ST	87,418	\$ 2,000	\$ 2,841	8.74	9.0000 \$ 2,520
THE PRICE CENTER	25 CHRISTINA ST	86,474	\$ 2,000	\$ 2,810	8.65	9.0000 \$ 2,520
1238 CHESTNUT ST TRUST	1238 CHESTNUT ST	85,383	\$ 2,000	\$ 2,775	8.54	9.0000 \$ 2,520
EXTRA SPACE STORAGE 0735	95 CHAPEL ST	84,679	\$ 2,000	\$ 2,752	8.47	9.0000 \$ 2,520
DINOSAUR HERE ME NOW LLC	266 WEBSTER ST	84,631	\$ 2,000	\$ 2,750	8.46	9.0000 \$ 2,520
CITY OF NEWTON/BIGELOW MIDDLE SCHOL	104 PARK ST	83,546	\$ 2,000	\$ 2,715	8.35	9.0000 \$ 2,520
188 NEEDHAM ST LMTD PTSHP	188 NEEDHAM ST	83,436	\$ 2,000	\$ 2,712	8.34	9.0000 \$ 2,520
CHURCH OF OUR LADY	295 ADAMS ST	81,933	\$ 2,000	\$ 2,663	8.19	9.0000 \$ 2,520
BIII NEWTONVILLE SENIOR / BENCHMARK	24 MUNROE ST	81,220	\$ 2,000	\$ 2,640	8.12	9.0000 \$ 2,520
NEWTON HEALTH CARE CENTER	2101 WASHINGTON ST	80,896	\$ 2,000	\$ 2,629	8.09	9.0000 \$ 2,520
JEWISH COMMUNITY HOUSING	160 STANTON AVE	80,654	\$ 2,000	\$ 2,621	8.07	9.0000 \$ 2,520
LASELL COLLEGE	188 WOODLAND RD	80,358	\$ 2,000	\$ 2,612	8.04	9.0000 \$ 2,520
LASELL COLLEGE	68 STUDIO RD	80,137	\$ 2,000	\$ 2,604	8.01	9.0000 \$ 2,520
WELLS 60 REALTY LLC	60 WELLS AVE	79,919	\$ 2,000	\$ 2,597	7.99	8.0000 \$ 2,240
TAURUS MGMT SERVICES LLC	275 WASHINGTON ST	79,360	\$ 2,000	\$ 2,579	7.94	8.0000 \$ 2,240
FOX & HOUNDS REALTY TR	230 NEEDHAM ST	79,335	\$ 2,000	\$ 2,578	7.93	8.0000 \$ 2,240
OUR LADYS GRAMMER SCHOOL	25 LENGLEN RD	78,961	\$ 2,000	\$ 2,566	7.90	8.0000 \$ 2,240
STONE INSTITUTE	277 ELLIOT ST	78,363	\$ 2,000	\$ 2,547	7.84	8.0000 \$ 2,240
VILLAGE FALLS CONDO TR	181 OAK ST	78,007	\$ 2,000	\$ 2,535	7.80	8.0000 \$ 2,240
CITY OF NEWTON/JOHN WARD SCHOOL	10 DOLPHIN RD	77,453	\$ 2,000	\$ 2,517	7.75	8.0000 \$ 2,240
ALBERTSONS INC SITE #	31 AUSTIN ST	77,450	\$ 2,000	\$ 2,517	7.75	8.0000 \$ 2,240
320 NEEDHAM LLC	320 NEEDHAM ST	76,870	\$ 2,000	\$ 2,498	7.69	8.0000 \$ 2,240
PEABODY HILL CONDO TRUST	50 OBER RD	76,233	\$ 2,000	\$ 2,478	7.62	8.0000 \$ 2,240
AFFINITY PROPERTY SERVICES LLC	336 BOYLSTON ST	75,811	\$ 2,000	\$ 2,464	7.58	8.0000 \$ 2,240
H C STARCK INC	45 INDUSTRIAL PL	74,821	\$ 1,750	\$ 2,432	7.48	8.0000 \$ 2,240
TEMPLE EMANUEL	10 ASHFORD RD	73,749	\$ 1,750	\$ 2,397	7.37	8.0000 \$ 2,240

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