

City of Pleasant Ridge
23925 Woodward Avenue
Pleasant Ridge, Michigan 48069

**City Commission Meeting
March 15, 2016
Agenda**

Honorable Mayor, City Commissioners and Residents: This shall serve as your official notification of Regular City Commission Meeting to be held Tuesday, March 15, 2016, at 7:30 p.m., in the City Commission Chambers, 23925 Woodward Avenue, Pleasant Ridge, Michigan 48069. The following items are on the Agenda for your consideration:

REGULAR CITY COMMISSION MEETING – 7:30 P.M.

- 1. Meeting Called to Order.**
- 2. Pledge of Allegiance.**
- 3. Roll Call.**
- 4. PUBLIC DISCUSSION – items not on the Agenda.**
- 5. Governmental Reports.**
- 6. Request to Fund Roosevelt School Playground Improvements.**
- 7. City Commission Liaison Reports.**
 - **Commissioner Scott – Historical Commission**
 - **Commissioner Krzysiak – Recreation Commission**
 - **Commissioner Foreman – Committee Liaison**
 - **Commissioner Perry – Planning and DDA**
- 8. Consent Agenda.**

All items listed on the Consent Agenda are considered to be routine by the City Commission, will be enacted by one motion and approved by a roll call vote. There will be no separate discussion of these items unless a City Commissioner or visitor so requests, in which event, the item will be removed from the consent agenda and considered as the last item of business.

 - a. Minutes of the Public Hearing and Regular City Commission Meeting held Tuesday, February 9, 2016.
 - b. Monthly Disbursement Report.
 - c. Resolution regarding the I-75 Expansion Project.
 - d. Resolution recognizing March as Parenting Awareness Month.
 - e. Resolution recognizing April as Child Abuse Prevention and Awareness Month.
 - f. Request by Clean Water Action to solicit door-to-door from March 16 through April 30, 2016.
- 9. Supplemental Appropriation A-2016-001.**

10. Establish a public hearing on Tuesday, April 12, 2016, at 7:30 pm to solicit public comments on an ordinance regarding Equivalent Residential Unit (ERU) Storm Water Charges.
11. Establish a public hearing on Tuesday, April 12, 2016, at 7:30 pm to solicit public comments on an ordinance to amend the Pleasant Ridge City Code Chapter 82 (Zoning), Section 82-6, Violations and Section 82-8 Fines and Imprisonment.
12. Establishing a public hearing on Tuesday, April 12, 2016, at 7:30 pm to solicit public comments on an ordinance regarding Municipal Civil Infractions.
13. Certification of delinquent utility bills and delinquent invoices for collection on the 2016 Summer Tax Roll.
14. Resolution in support of the Michigan DNR Passport Grant Application.
15. Consideration of the adoption of the City of Pleasant Ridge City Commission 2016 Goals and Objectives.
16. Resolution regarding participation in OakTac.
17. Dangerous Animals Ordinance discussion.
18. Presentation regarding the Community Survey Results.
19. City Manager's Report.
20. Other Business.
21. Adjournment.

In the spirit of compliance with the Americans with Disabilities Act, individuals with a disability should feel free to contact the City at least seventy-two (72) hours in advance of the meeting, if requesting accommodations.



City of Pleasant Ridge

James Breuckman, City Manager

From: Jim Breuckman, City Manager
 To: City Commission
 Date: March 10, 2016
 Re: Roosevelt Playground Improvement Plan & City Contribution

Overview

The Ferndale School District is undertaking a playground improvement project at Roosevelt this summer. The project will convert the playground area along Ridge Road (the former basketball court). The school district is interested in partnering with the City to facilitate the improvement. The overall playground project is expected to cost \$83,729.

Requested Action

City Commission consideration of a contribution of up to \$7,140 towards the Roosevelt playground improvement project to pay for Phase II.

Background

Attached are quotes for the playground improvements at Roosevelt school. The proposed project will improve a currently underutilized playground area that is highly visible within Pleasant Ridge. The school district is requesting that the City partner with them on the project to help fund a small portion of it. The City's contribution would go towards the purchase of an OmniSpin Spinner piece of equipment. This is identified as Phase II in the attached documents.

It is not uncommon for Cities and school districts to collaborate on playground improvement projects – one recent local example is the City of Berkley and Berkley schools collaborating to improve the Angell school playground.

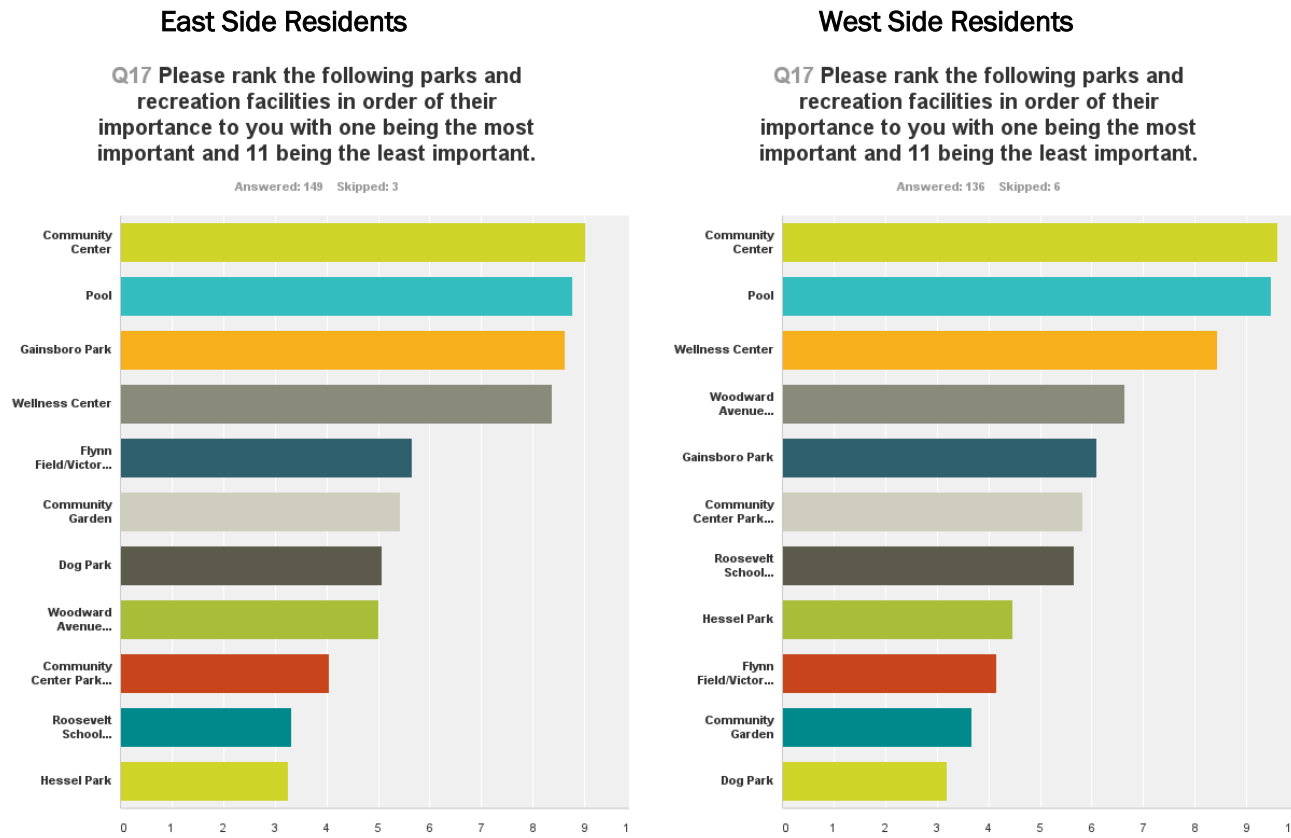
Funding for this project is available in the Capital Improvements line item in the recreation department budget. That line was budgeted at \$60,000 for FY15-16, and projects that are or will be charged to that line include the community center roof replacement and large meeting room refresh (paint and ceiling tiles), and improvements to the baseball diamond at Flynn Field. Those projects have been bid and will collectively cost \$45,000, leaving \$15,000 in that line item.

This project will not only benefit the schools, but Pleasant Ridge residents. It will provide a brand new recreation opportunity within walking distance for families with younger children who live on the west side of town. Having strong neighborhood-scale parks within walking distance is an important community amenity, and the Roosevelt playground serves as a neighborhood park for our west side residents. While Gainsboro park is our only community-scale park, it also fulfills the role of a neighborhood park for our east side residents.

This can be shown based on how residents who live on the east and west sides of town rate the importance of parks facilities in the City. East side residents rate Gainsboro Park as being of very high importance with the Roosevelt school playground and the Community Center park as being of quite low importance. On the other hand, west side residents rate Gainsboro Park, Roosevelt playground, and the Community Center park as being of nearly equal importance.

The Roosevelt playground project will provide a definite benefit for the City by improving and expanding recreation options on the west side of town at the same time as significant improvements are being made to Gainsboro park on the east side of town.

Figure 1. Parks and Recreation Facilities Importance – East and West Side Residents



Superintendent Prewitt will be at the March 15 meeting to discuss this item.



Make all P.O.s, Contracts, and Checks Payable to:
 Landscape Structures, Inc.
 SDS 12-0395, PO BOX 86
 Minneapolis, MN 55486-0395 USA

Proposal

Date	Project #
2/18/2016	16-170-1

Name / Address
Ferndale Public Schools Administration Office 871 Pinecrest Ferndale, MI 48220

Ship To
MRC For Roosevelt

Customer Contact	Customer Phone	Customer Fax	Terms	P.O. No.	Rep
Gary Meier	(248) 586-8656	(248) 586-8674	Net 30		LAS

Item	Description	Qty	Weight	Price	Total
	Phase I				0.00
PlayBooster	PlayBooster Playground per design #89602-1-5	1		54,588.00	54,588.00T
168099A	Cozy Dome	1		3,595.00	3,595.00T
173592A	Oodle Swing	1		4,575.00	4,575.00T
141683A	TT Coated Bench 72" w/Back Direct Bury (121 lbs)	3		495.00	1,485.00T
Freight	Freight	1		1,500.00	1,500.00T

Proposal good for 30 days.
 Ship Via: common carrier
 Delivery contact name and number: _____

Signature below accepting this proposal will constitute a purchase order.

Subtotal	\$65,743.00
Sales Tax (0.0%)	\$0.00
Total	\$65,743.00

Accepted By Customer _____



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Penchura, L.L.C.
889 S. Old US 23
Brighton, MI 48114

Proposal

Date	Project #
2/18/2016	16-170-3

Name / Address
Ferndale Public Schools Administration Office 871 Pinecrest Ferndale, MI 48220

Ship To
MRC For Roosevelt

Customer Contact	Customer Phone	Customer Fax	Terms	P.O. No.	Rep
Gary Meier	(248) 586-8656	(248) 586-8674	Net 30		LAS

Item	Description	Qty	Weight	Price	Total
Site Work	Site Work ~ Remove and dispose of existing 28' x 45' x 4" concrete slab with 45 LF of saw-cutting. ~ Excavate 3883 SF to 12" depth and haul spoils off-site. ~ Provide new 123 SF concrete walkway approximately 5' x 25'. Concrete to be standard color with saw-cut control joints and broom finish.	1		10,846.00	10,846.00T
Community Bu...	Community Build Supervision	1,200		0.00	0.00T
Community Bu...	Community Build Supervision Includes: ~ (1) day on site pre-build meeting to organize build ~ (1) day on site layout & hole prep supervision ~ (1) day community build supervision to completion			0.00	0.00T
	Another item to consider for professional install may be to have the holes drilled and leveled by our installers. This can be quoted if desired.				0.00

Proposal good for 30 days.
Ship Via: common carrier
Delivery contact name and number: _____

Customer signature below constitutes a purchase order.

Subtotal	\$10,846.00
Sales Tax (0.0%)	\$0.00
Total	\$10,846.00

Roosevelt Elementary School Lower El.

December 10, 2015 89602-1-4 Alt View



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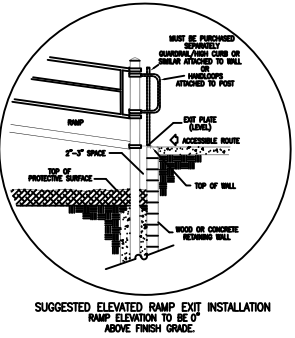


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*NOTE: PLEASE VERIFY ALL DIMENSIONS OF PLAY AREA, SIZE, ORIENTATION, AND LOCATIONS OF ALL EXISTING UTILITIES, EQUIPMENT, AND SITE FURNISHINGS PRIOR TO ORDERING. SLIDES SHOULD NOT FACE THE HOT AFTERNOON SUN.



landscape
structures



The play components identified on this plan are IPEMA certified. (Unless model number is preceded with *) The use and layout of these components conform to the requirements of ASTM F1487. To verify product certification, visit www.ipema.org

THIS PLAY AREA & PLAY EQUIPMENT IS DESIGNED FOR AGES 5-12 YEARS UNLESS OTHERWISE NOTED ON PLAN.

IT IS THE MANUFACTURERS OPINION THAT THIS PLAY AREA DOES CONFORM TO THE A.D.A. ACCESSIBILITY STANDARDS, ASSUMING AN ACCESSIBLE PROTECTIVE SURFACING IS PROVIDED, AS INDICATED, OR WITHIN THE ENTIRE USE ZONE.

THIS CONCEPTUAL PLAN WAS BASED ON INFORMATION AVAILABLE TO US. PRIOR TO CONSTRUCTION, DETAILED SITE INFORMATION INCLUDING SITE DIMENSIONS, TOPOGRAPHY, EXISTING UTILITIES, SOIL CONDITIONS, AND DRAINAGE SOLUTIONS SHOULD BE OBTAINED, EVALUATED, & UTILIZED IN THE FINAL DESIGN. PLEASE VERIFY ALL DIMENSIONS OF PLAY AREA, SIZE, ORIENTATION, AND LOCATION OF ALL EXISTING UTILITIES, EQUIPMENT, AND SITE FURNISHINGS PRIOR TO ORDERING. SLIDES SHOULD NOT FACE THE HOT AFTERNOON SUN.

CHOOSE A PROTECTIVE SURFACING MATERIAL THAT HAS A CRITICAL HEIGHT VALUE TO MEET THE MAXIMUM FALL HEIGHT FOR THE EQUIPMENT (REF. ASTM F1487 STANDARD CONSUMER SAFETY PERFORMANCE SPECIFICATION FOR PLAYGROUND EQUIPMENT FOR PUBLIC USE, SECTION 8 CURRENT REVISION). THE SUBSURFACE MUST BE WELL DRAINED. IF THE SOIL DOES NOT DRAIN NATURALLY IT MUST BE TILED OR SLOPED 1/8" TO 1/4" PER FOOT TO A STORM SEWER OR A "FRENCH DRAIN".

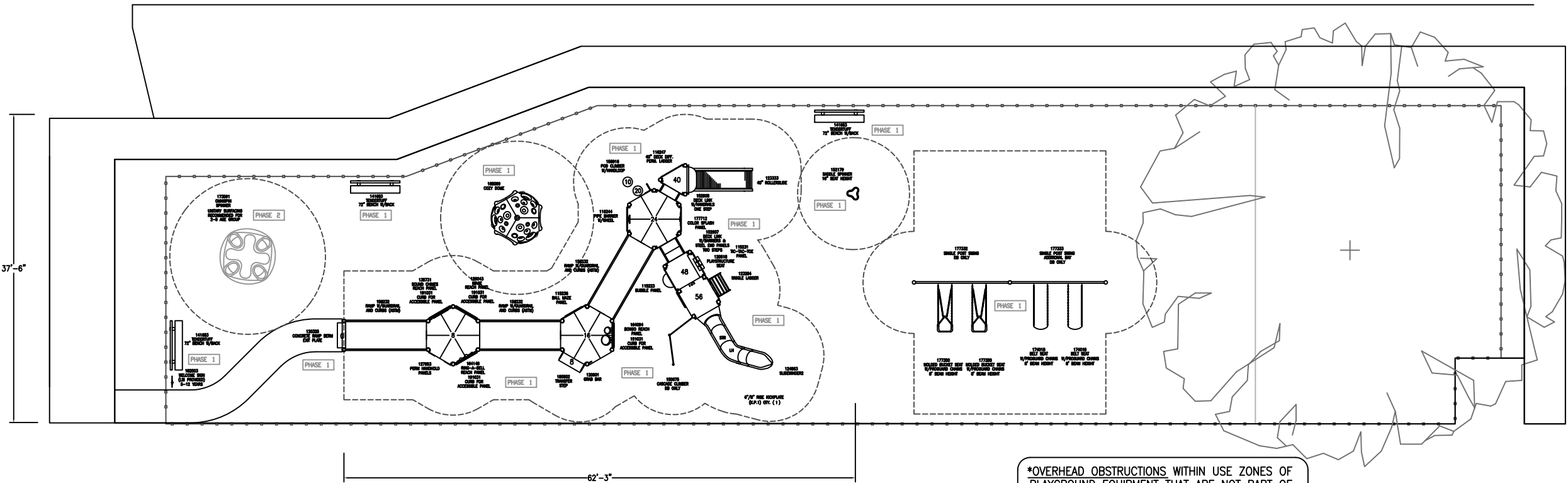
ACCESSIBLE/PROTECTIVE
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(ENGINEERED WOOD FIBER SUGGESTED)

DESIGNED BY:

SG

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DELANO, MINNESOTA 55328
PH: 1-800-328-0035 FAX: 1-763-972-6091

Date Previous Drawing # Initials



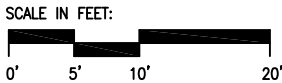
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TOTAL ELEVATED PLAY COMPONENTS	14		
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP	8	REQUIRED	7
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER	14	REQUIRED	0
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	7	REQUIRED	0
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	4	REQUIRED	4

PHASE 1 & 2

TOTAL ELEVATED PLAY COMPONENTS	14		
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP	8	REQUIRED	7
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER	14	REQUIRED	0
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	8	REQUIRED	0
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	5	REQUIRED	5



Roosevelt Elementary School
Lower El

Penchura, LLC
Lance Shipman

SYSTEM TYPE:
PlayBooster

DRAWING #:
89602-1-1



Warren, MI
57° F

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BERKLEY

Berkley city, school officials collaborate to replace Angell play structure

By Joshua Gordon

◀ 2 ◀ 6



The city of Berkley and the Berkley School District have partnered to remove a 26-year-old play structure at Angell Elementary School and replace it with a new structure in the spring. (Photo by Joshua Gordon)

Posted November 25, 2015

BERKLEY — As part of ongoing planning in both the city of Berkley and the Berkley School District, a play structure at Angell Elementary School that had been deemed unsafe this fall will be torn down and replaced by the end of the school year.

The two entities announced the plan and

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collaboration Nov. 10. The city will remove the current play structure by the end of November, and the school district will install a new drainage system in the area next spring. Lastly, the city will install the new play structure.

The project falls in line with the city's current process of evaluating all parks in the city while putting together the new parks and recreation master plan; it also falls in line with the school district's current bond work.

"We fenced off the play structure after my staff viewed it on Sept. 22 of this year, and then we hired an inspector who deemed it unsafe for the kids," interim Parks and Recreation Director Theresa McArleton said. "We have had a few meetings with the school district to design the plan, and there has been constant communication with the district while working together. In the spring, a new, comparable playscape structure will be put in the same area."

McArleton said the new upgrades will be factored into the five-year master plan, which is expected to be completed by March of next year.

With the city covering the cost of taking out the old structure and putting in the new one, the City Council made a budget amendment during the Nov. 16 meeting to allocate \$88,600 to the project. The city will take care of the demolition in-house. Half the funds will come from the general fund, and the other half will come from the recreation fund.

McArleton said that now was the right time to address the drainage.

"That area is similar to a lot of parks in the area — and not just Berkley — where some places have issues with drainage," she said. "Since we are going to install new equipment, it makes sense to look at the drainage as well."

Berkley Deputy Superintendent Larry Gallagher said the project is an expansion of bond work being done at Angell. Berkley voters approved a \$58.9 million infrastructure and technology bond in May.

Part of the scope of the work at Angell included a new addition, and Gallagher said that with the play structure area getting heavy use throughout the school year, the district wanted to make sure it had the best play area possible.

"We have had an addition at Angell planned from day one, and it is in proximity to where the new play structure will be, so we will have our experts look at drainage, and we can extend the drainage work," he said. "The kids use that area a lot, and it is a key piece of physical education. Not so much P.E. class, but they can release energy during lunch breaks, and it is just a key piece of the school."

The city of Berkley leases the playground property from the school district, which owns it, to use as a city park — an agreement that began in 1974, McArleton said. The current play structure was installed in 1989, and getting about 26 years out of a play structure is the norm, she added.

In looking for the best play structure to get, McArleton said they will be looking for a structure designed for kids ages 5-12. While the school kids who play on it most are between the ages of 5 and 7, she said the city and schools want it to be sturdy enough for bigger kids and include play items such as slides and monkey bars.

"The nice thing about Berkley is there is always a park within walking distance of wherever you are," McArleton said. "This park has a baseball field, basketball courts, swings and a play structure, and it is used all the time from the community. It is on school property, so kids are always playing there, but it is a community park too and gets a lot of use."

Gallagher said the project is just the latest example of cooperation between the city and

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school district.

“The Berkley Schools has a solid reputation, and that is in large part because of the city, and vice versa,” he said. “We do other partnerships that may be mundane, like we buy bulk gas and rock salt from them, but to have a vibrant community and schools, we have to play off each other, and we are thankful for our relationship with the whole city.”

◀ 2

◀ 6



ABOUT THE AUTHOR

Josh Gordon covers Berkley, Ferndale, Huntington Woods and Pleasant Ridge along with the Berkely Schools and Ferndale Schools districts for the Woodward Talk. Josh has worked for C & G Newspapers since 2013 and attended Central Michigan University. Josh won a Society of Professional Journalism award in 2015 and is an avid fan of the Green Bay Packers. During his free time, Josh likes to read, try new foods and snowboard.

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Former resident named project manager for Scotia Park



BERKLEY

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Commission tables ordinance revision dealing with Detroit Zoo tarps



BERKLEY

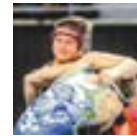
Museum highlights Berkley native's drawings based on time in World War II

SPORTS



BERKLEY

Berkley Unified hockey team ends another solid season; local girls hoops teams bow out



AUBURN HILLS

Local grapplers make their mark



BERKLEY

Berkley High girls basketball team claims first division title since 1988



BERKLEY

Southfield-Lathrup girls dominant in Class A playoff opener with 54-28 victory over Berkley High



LATHRUP VILLAGE

Lathrup (17-3) and Berkley (13-7) girls open Class A playoffs against one another



23925 Woodward Avenue
Pleasant Ridge, Michigan 48069

Public Hearing and Regular City Commission Meeting February 9, 2016

Having been duly publicized, Mayor Metzger called the meeting to order at 7:31 pm.

Present: Commissioners Foreman, Krzysiak, Perry, Scott, Mayor Metzger.
Also Present: City Manager Breuckman, City Clerk Drealan.
Absent: None.

Public Discussion

Mr. Ted Zachary, 68 Devonshire, representing the Environmental Committee, reported that 30 tons of recyclables was collected in January 2016. If you have any items to sell, instead of going to Craig's List, check out nextdoor@nextdoor.com. Pleasant Ridge is trying to get 500 members at the nextdoor.com website, a social media network for neighborhoods. Or if you have a heavy item to get rid of, contact www.freecylce.org. "Ted's Tip" is that having an infrared thermometer is a handy tool that can assist you checking the temperatures of your walls in your home, for example, to see if you have steady temperatures and adequate insulation. The thermometer is available at Harbor Freight, and one may be available at the Huntington Woods Library in the near future. The Environmental Committee will host a meeting Monday, March 21st, Community Center, 7:00 pm, with guest speakers discussing pesticides and safe/beautiful garden techniques. Environmental Committee information can be found on page 4 of *The Ridger*.

Governmental Reports

Ms. Karen Twomey, Ferndale Public Schools, welcomed new Board Member Jackie Hart and reported that Ms. Hart will be attending a Commission Meeting in the near future. Ms. Twomey reported that there is still excitement from having Marcus Lemonis, host of *The Profit*, at the school to award the winning team who developed an application called "Parkit" that would allow residents to list the availability of their home driveway for parking during major events. Restructuring continues at the schools and you can follow the progress at www.ferndaleforward.com. The latest changes have the Early Childhood Center being run by Heidi Schmidt; Lower Elementary will be run by Diana Keefe; Ferndale Upper Elementary will be run by Katie Jeffrey; Middle School will be run by Jason Gillespie and Robert Francis; and the High School will be joined by Eric Bruner under the leadership of Eric Smith, and Shaun Butler as the Athletic Director. University High School will have Derek Adams joining the team. There will be a "Healthy Heart" event at Roosevelt, February 10th, 6pm-8pm. Ferndale Schools does provide opportunities for childcare, especially during midwinter break wherein a camp will be provided. You can find information at familydaycareworks.com. Ferndale Middle School just completed the Great Kindness Challenge, and also hosted a Geography Bee. The High School also participated in the Kindness Challenge and bagged 80 meals for the warming center. An SAT Camp will be held in the near future. The Robotics Team continues to work on its various projects for the upcoming state and national

championships. Commissioner Foreman inquired as to how the \$10,000.00 received from “The Profit Challenge” is going to be used in the schools, and Ms. Twomey was unable to report that at this time. Foreman also mentioned that the students that won will be attending a week long business course at Universal Studios, Orlando. Commissioner Scott mentioned that if the students who developed the application need to have a patent that he would be willing to assist them with it.

Chief Kevin Nowak, Pleasant Ridge Police, reported the Michigan Association of Chiefs held its conference last month in Grand Rapids and he was in attendance. The keynote speaker was the lead investigator of the Sandy Hook Elementary shooting and many lessons were learned from that horrific event. As a result, neighboring local chiefs will be meeting to put plans in place to better protect the local schools.

City Commissioner Liaison Reports

Commissioner Perry reported that the Planning Commission/DDA met Monday, January 25th. The Planning Commission reviewed and approved the City’s Capital Improvement Plan. A public hearing was established for Monday, February 22nd, 7:00 pm, to consider an amendment to the Pleasant Ridge Zoning Ordinance regarding municipal civil infractions. The next meeting will be held Monday, February 22nd, 7:00 pm. Two new members will be sworn in at that meeting.

Commissioner Scott reported that the Historical Commission will begin to contact residents interested in participating in the Home & Garden Tour on June 4th.

Commissioner Krzysiak reported that at the last Recreation Commission meeting organizational votes were taken and Chris Budnik has been appointed the Chairperson, replacing Jacqueline Scully in this position. Krzysiak commended Ms. Scully for her leadership on the commission. Krzysiak commended Kevin Kelly for his 6 years of service to the Recreation Commission. Ms. Esther Winer was introduced by Krzysiak and will become the newest member of the commission. Krzysiak reported that the Daddy/Daughter dance was a huge success with about 90 in attendance and thanked Scott Pietrzak and his staff for a well-planned event. Krzysiak reported that the 50-plus Club had a great mystery bus trip that toured the Mid-Town area of Detroit. The next trip will be February 25th, 9:30 am, for a Detroit Library tour and lunch at Chartreuse Kitchen, \$12.00. Bingo and a movie are scheduled for February 11th. Youth soccer signup deadline is Friday, March 4th. Pietrzak reported that the SMART program in conjunction with Royal Oak is providing a ride share service within a 5-mile radius of the Community Center on Thursdays, 9:15am-3:30pm. Fees are \$3.00/one-way; \$4.00/round trip. Contact Royal Oak SMART Dispatch at 248-246-3914. Services are available for anyone over the age of 18.

Commissioner Foreman highlighted the school’s transition website www.ferndaleforword.com. Anyone with questions may ask through the website and answers will be posted. The next School Board Meeting will be February 22nd, 7:00 pm, at the high school.

Consent Agenda

16-3236

Motion by Commissioner Perry, second by Commissioner Scott, that the Consent Agenda be approved, as recommended.

Adopted: Yeas: Commissioner Perry, Scott, Foreman, Krzysiak, Mayor Metzger
 Nays: None.

Public Hearing – Ordinance Amending the Pleasant Ridge Zoning Ordinance

Mayor Metzger opened the Public Hearing at 8:06 pm.

With no comments or discussion, Mayor Metzger closed the Public Hearing at 8:07 pm.

City Manager Breuckman highlighted that the Neighborhood Compatibility also includes the design standard changes. The reason for the changes being made is the historic context of Pleasant Ridge; current standards are subjective; proposed standards are specific; and will provide clear direction, allow for consistent enforcement. The new design standards principles will establish clear and consistent expectations; preserve design freedom, i.e. neutral style; regulate elements common to all buildings; standards for traditional design elements if used; allow non-traditional styles; and aspire to great, but prevent mediocre or worse designs. A PowerPoint presentation was shown for various examples of styles and materials for homes. The document will be a helpful tool for future homes to be constructed and any remodeling projects.

Commissioner Perry commended City Manager Breuckman for the work on this amendment and how helpful the presentations have been, and added that the document will now make it easier for Planning Commission/Zoning Board of Appeals hearings as a reference. Commissioner Foreman commented that any home that has existing aluminum or vinyl siding can continue to maintain the siding on their home and does not have to be replaced. The proposed changes deal mainly with wood siding cannot be replaced with vinyl siding. Foreman added that the document will be very useful for the Zoning Board of Appeals, and appreciates the hard work and detail that was put into its preparation. Commissioner Krzysiak commended the efforts and professionalism that was put into the creation of the document. Krzysiak expressed concern that the proposed standards may increase costs of improvements to the point that residents may not be able to afford. Breuckman disagrees with the higher costs, and added that the proposed design changes are to prevent homeowners from downgrading existing materials and replacing them with a lesser standard. Exceptions may be heard through the Planning Commission as an appeal process. Final appeal would go to the Zoning Board of Appeals. Krzysiak would like to have this matter revisited in the future if the proposed changes are causing a financial burden to homeowners. Mayor Metzger added that he is pleased with the proposed changes and is more interested in the code enforcement and maintenance issues that need to be addressed in the City. Commissioner Scott added that many existing homes are at the maximum for lot coverage requirements and will be prevented from having new additions.

16-3237

Motion by Commissioner Perry, second by Commissioner Foreman, that Ordinance 414 amending Chapter 82 (Zoning), Section 82-3 Definitions, Section 82-98, Districts Established, Section 82-102, District Requirements, Section 82-103, Zoning District Purpose Statements, Section 82-133, Permitted Uses by District, Section 82-164, Yard and Bulk Requirements, Section 82-166, Neighborhood Compatibility, and Zoning Map Amendments, be approved.

Adopted: Yeas: Commissioner Perry, Foreman, Krzysiak, Scott, Mayor Metzger
 Nays: None.

Adoption of the Pleasant Ridge Exterior Design Standards
16-3238

Motion by Commissioner Perry, second by Commissioner Scott, that the Exterior Design Standards referenced in Section 82-166 of the Pleasant Ridge Zoning Ordinance be adopted.

Adopted: Yeas: Commissioner Perry, Scott, Foreman, Krzysiak, Mayor Metzger
 Nays: None.

Gainsboro Park Project Update

City Manager Breuckman presented the 60-percent construction drawings and reviewed in detail the proposed changes, and updates on development for the 5-12 playground and tennis court repairs. The completed construction drawings will be presented at the April meeting for approval.

Though unrelated to the park, Ms. Esther Winer, 78 Kensington, inquired as to what time frame does a new home have to be completed. Breuckman responded that there is no specific time frame, but substantial progress must be made on a regular basis. There could be interior work being completed that is not visible from the exterior. Ms. Winer explained the process for seniors applying for home improvement grants through Oakland County and living in a historic district takes a very long time. Breuckman advised anyone having problems with this should contact the City.

City Manager's Report

City Manager Breuckman reported that the Community Survey has been completed with 308 responses. The results will be reported at a future meeting, but 99-percent of the surveys received stated that they are satisfied with their decision to live in Pleasant Ridge. The Cooperative Tree Purchase is also closed and 20 residents purchased trees, one of which was donated back to the City; 76 trees were purchased overall. The Dog Ordinance Town Hall was held in January and was lightly attended. As a result of the meeting, emphasis was added on increasing the enforcement of existing ordinances, such as, dogs should be on leashes while walking on residential streets. Recommendations for the Dog Ordinance will be presented at next month's meeting.

Other Business

Commissioner Krzysiak reported that the next book for the Book Club will be "A Man Called Ove" by Fredrik Backman and will be discussed on Monday, February 29th, at 7:00 pm., Community Center.

City Clerk Drealan reported that absentee ballots for the March 8th Presidential Primary are available. Applications are available online or in person. Last day to apply is Saturday, March 5th, 9:00am-2:00pm. The March Pleasant Ridge City Commission meeting will be held March 15th due to the election.

Commissioner Perry highlighted the Pleasant Ridge Knitting Club that meets the first and third Mondays of the month at the Community Center, 7:00 pm, all levels of knitting talent, a wonderful and welcoming group. Snacks are provided.

With no further business or discussion, Mayor Metzger adjourned the meeting at 9:00 pm.

Mayor Kurt Metzger

Amy M. Drealan, City Clerk
/mat

February 2016

ACCOUNTS PAYABLE

PAYROLL LIABILITIES	\$	6,148.00
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TAX LIABILITIES	\$	208,812.46
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ACCOUNTS PAYABLE	\$	512,500.49
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TOTAL	\$	727,460.95
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PAYROLL

February 3, 2016	\$	31,961.55
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February 17, 2016	\$	30,995.99
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TOTAL	\$	62,957.54
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CHECK REGISTER FOR CITY OF PLEASANT RIDGE
PAYROLL LIABILITIES
FEBRUARY 2015

PG 1

Check Date	Check	Vendor Name	Description	Amount
2/3/2016	1561	MIFOP	UNION DUES-FEB 2016	\$ 188.00
2/3/2016	1562	MISDU	FOC DEDUCTIONS	\$ 224.60
2/3/2016	1563	M&T BANK-ICMA - 401a	RETIRMENT CONTRIBUTIONS	\$ 1,345.44
2/3/2016	1564	ICMA RETIREMENT TRUST - 457	RETIRMENT CONTRIBUTIONS	\$ 1,462.13
2/17/2016	1566	MISDU	FOC DEDUCTIONS	\$ 224.60
2/17/2016	1567	M&T BANK-ICMA - 401a	RETIRMENT CONTRIBUTIONS	\$ 1,230.44
2/17/2016	1568	ICMA RETIREMENT TRUST - 457	RETIRMENT CONTRIBUTIONS	\$ 1,472.79
TOTAL PAYROLL LIABILITIES				<u>\$ 6,148.00</u>

**CHECK REGISTER FOR CITY OF PLEASANT RIDGE
TAX LIABILITIES
FEBRUARY 2016**

PG 2

Check Date	Check	Vendor Name	Description	Amount
02/10/2016	2360	CAPITAL TITLE	REISSUE OF CHECK #2270	\$ 681.01
02/10/2016	2361	CITY OF PLEASANT RIDGE-DDA	2015 TAX COLLECTIONS TO 2-8-16	\$ 3,790.38
02/10/2016	2362	CITY OF PLEASANT RIDGE-GENERAL	2015 TAX COLLECTIONS TO 2-8-2016	\$ 90,481.39
02/10/2016	2363	FERNDALE PUBLIC SCHOOL	2015 TAX COLLECTIONS TO 2-8-16	\$ 32,788.15
02/10/2016	2364	JOHN DOWNEY	2015 WINTER TAX OVERPAYMENT	\$ 454.70
02/10/2016	2365	OAKLAND COUNTY TREASURER	2015 TAX COLLECTIONS TO 2-8-2016	\$ 80,478.39
02/10/2016	2366	VOID CHECK	VOID CHECK	\$ -
02/10/2016	2367	THOMAS & JANE GIJSBERS	2015 SUMMER TAX OVERPAYMENT	\$ 20.69
02/23/2016	2368	PRIMARY TITLE	2016 WINTER TAX OVERPAYMENT	\$ 117.75
TOTAL TAX LIABILITIES				\$ 208,812.46

CITY OF PLEASANT RIDGE CHECK REGISTER
ACCOUNTS PAYABLE
FEBRUARY 11, 2016

PG 3

Check Date	Check	Vendor Name	Description	Amount
02/11/2016	20153	21ST CENTURY MEDIA-MICHIGAN	PRINTING OF LEGAL NOTICES	\$ 1,525.87
02/11/2016	20154	ACCUSHRED, LLC	CITY SHREDDING SERVICES	\$ 55.00
02/11/2016	20155	ADKISON, NEED & ALLEN P.L.L.C.	CITY ATTORNEY SERVICES	\$ 1,635.50
02/11/2016	20156	ANDERSON, ECKSTEIN & WESTRICK	CITY ENGINEERING SERVICES	\$ 6,677.00
02/11/2016	20157	ANN FANCY	ESSENTIAL OILS CLASS	\$ 260.00
02/11/2016	20158	ARROW UNIFORM RENTAL	MAT RENTALS & JANITORIAL SUPPLIES	\$ 506.09
02/11/2016	20159	BOSTON MUTUAL LIFE INS. CO.	HEALTH CARE BENEFITS	\$ 170.50
02/11/2016	20160	BRILAR	DPW CONTRACTED SERVICES	\$ 50,725.16
02/11/2016	20161	CARLA KRZYSIAK	YOGA INSTRUCTION	\$ 448.00
02/11/2016	20162	CITY OF FERNDALE	2015 LEAF SEASON STORAGE	\$ 1,916.03
02/11/2016	20163	CITY OF PLEASANT RIDGE	PETTY CASH REPLENISHMENT	\$ 533.31
02/11/2016	20164	CREATIVE AWARDS	YOUTH SOCCER TROPHIES	\$ 120.00
02/11/2016	20165	DETROIT EDISON COMPANY	COMMUNITY STREET LIGHTING	\$ 2,923.35
02/11/2016	20166	EUGENE LUMBERG	CITY ATTORNEY SERVICES	\$ 531.25
02/11/2016	20167	HOLIDAY FOOD CENTER	MEETING SUPPLIES	\$ 31.99
02/11/2016	20168	J & J AUTO TRUCK CENTER	POLICE CAR MAINTENANCE	\$ 175.31
02/11/2016	20169	JOHN WRIGHT	REFUND OF TREE PURCHASE PROGRAM	\$ 125.00
02/11/2016	20170	KENNETH BORYCZ	MECHANICAL INSPECTOR SERVICES	\$ 1,035.00
02/11/2016	20171	LAUREN RENTROP	DEPOSIT REFUND FOR ROOM RENTAL	\$ 100.00
02/11/2016	20172	LIVING LAB	GAINSBORO PARK CONSTRUCTION PROJECT	\$ 2,080.00
02/11/2016	20173	MELANIE SEVALD	CSF CLASS	\$ 1,036.00
02/11/2016	20174	MUNICIPAL CODE CORPORATION	MUNICIPAL CODE UPDATES	\$ 1,192.37
02/11/2016	20175	OAKLAND COUNTY TREASURER	PRINCIPAL & INTEREST ON GWK BONDS	\$ 144,672.71
02/11/2016	20176	PAM KAMPF	PILATES CLASS	\$ 576.00
02/11/2016	20177	PLANTE & MORAN PLLC	PROFESSIONAL SERVICES	\$ 5,339.00
02/11/2016	20178	RAY KEE	BUILDING INSPECTOR SERVICES	\$ 1,350.00
02/11/2016	20179	SANDY JOHNSTONE	REIMBURSEMENT-HOME & GARDEN TOUR	\$ 16.42
02/11/2016	20180	SCHEER'S ACE HARDWARE	BUILDING MAINTENANCE SUPPLIES	\$ 131.01
02/11/2016	20181	SOUTHEAST MICHIGAN REGIONAL ENERGY	STREET LIGHTING COALITION	\$ 242.00
02/11/2016	20182	SOCRRA	REFUSE COLLECTION CONTRACT	\$ 7,396.00
02/11/2016	20183	SOCWA	WATER PURCHASES FOR JANUARY 2016	\$ 12,530.65
02/11/2016	20184	THE BANK OF NEW YORK	BOND PAYMENT ON COMMUNITY CENTER	\$ 139,762.50
02/11/2016	20185	TOSHIBA FINANCIAL SERVICES	COPIER LEASE AGREEMENT	\$ 1,496.77
02/11/2016	20186	VICTORIA DICKINSON	SIT & FIT CLASS	\$ 112.00
02/11/2016	20187	WEB MATTERS BY KRISTIE	MONTHLY WEBSITE HOSTING FOR FEB 2016	\$ 24.95
02/11/2016	20188	WEX BANK	FUEL PURCHASES FOR POLICE CARS	\$ 906.51

Total for 2-11-2016

\$ 388,359.25

CITY OF PLEASANT RIDGE CHECK REGISTER
ACCOUNTS PAYABLE
FEBRUARY 24, 2016

PG 4

Check Date	Check	Vendor Name	Description	Amount
02/24/2016	20189	ANDERSON, ECKSTEIN & WESTRICK	GAINSBORO PARK IMPROVEMENT	\$ 1,094.50
02/24/2016	20190	ARROW UNIFORM RENTAL	MAT RENTAL & JANITORIAL SUPPLY	\$ 500.10
02/24/2016	20191	BLUE CROSS BLUE SHIELD OF MICHIGAN	HEALTH CARE BENEFITS	\$ 21,927.90
02/24/2016	20192	CITY OF BERKLEY	JANUARY DISPATCH SERVICES	\$ 3,349.61
02/24/2016	20193	CITY OF FERNDALE	FIRE CONTRACT PAYMENT - MARCH	\$ 21,381.72
02/24/2016	20194	CITY OF PLEASANT RIDGE-GENERAL	CITY UTILITIES WATER/SEWER	\$ 435.65
02/24/2016	20195	CITY OF ROYAL OAK	JANUARY 2016 DPW SERVICES	\$ 267.64
02/24/2016	20196	COMMUNITY MEDIA NETWORK	CITY COMMISSION MEETING RECORDINGS	\$ 200.00
02/24/2016	20197	CONSUMERS ENERGY	CITY UTILITY SERVICES	\$ 1,292.74
02/24/2016	20198	DETROIT SALT COMPANY LLC	CITY BULK SALT DELIVERY	\$ 5,700.86
02/24/2016	20199	ENGRAVING SPECIALISTS, INC.	TROPHIES - SPORTS	\$ 24.00
02/24/2016	20200	GREAT AMERICA	TELEPHONE LEASE AGREEMENT	\$ 433.00
02/24/2016	20201	J & J AUTO TRUCK CENTER	POLICE CAR MAINTENANCE	\$ 50.29
02/24/2016	20202	JANI-KING OF MICHIGAN, INC	JANITORIAL CLEANING SERVICES	\$ 2,161.00
02/24/2016	20203	KEVIN LAUDERDALE	RECREATION PROGRAM INSTRUCTOR	\$ 368.00
02/24/2016	20204	LEGAL SHIELD	PRE PAID LEGAL	\$ 25.90
02/24/2016	20205	MAT COURT RECORDING	CITY MEETING MINUTES	\$ 100.00
02/24/2016	20206	MICH DEPT OF TRANSPORTATION	7-1-15 TO 9-30-15 SIGNAL ENERGY	\$ 43.47
02/24/2016	20207	VOID CHECK	VOID CHECK	\$ -
02/24/2016	20208	MUTUAL OF OMAHA	RENEWAL PREMIUM - BREUCKMAN	\$ 846.16
02/24/2016	20209	NYE UNIFORM	UNIFORM REIMBURSEMENT	\$ 92.08
02/24/2016	20210	OAKLAND COUNTY ANIMAL CONTROL	DOG LICENSESES THROUGH 2/23/2016	\$ 628.75
02/24/2016	20211	RAY KEE	BUILDING INSPECTOR SERVICES	\$ 1,350.00
02/24/2016	20212	SCHEER'S ACE HARDWARE	BUILDING MAINTENANCE SUPPLIES	\$ 22.26
02/24/2016	20213	SOCRRA	REFUSE COLLECTION CONTRACT	\$ 7,624.34
02/24/2016	20214	TASER INTERNATIONAL	POLICE DEPARTMENT SUPPLIES	\$ 207.84
02/24/2016	20215	THE SILENT GIANTS	LOGO DESIGN	\$ 500.00
02/24/2016	20216	VERIZON	WIRELESS SERVICES	\$ 55.08
02/24/2016	20217	WETMORE TIRE AND AUTO	POLICE VEHICLE MAINTENANCE	\$ 648.32
02/24/2016	20218	ZOGICS	WELLNESS CENTER SUPPLIES	\$ 194.93

Total for 2-24-2016

\$ 71,526.14

CITY OF PLEASANT RIDGE CHECK REGISTER
ACCOUNTS PAYABLE
Electronic Payments & P-Card Transactions

PG 5

Check Date	Check	Vendor Name	Description	Amount
02/19/2016	371	AMICCIS PIZZA	MEETING SUPPLIES	\$ 63.31
02/19/2016	372	AMWAY GRAND	CONFERENCE LODGING - REID/NOWAK	\$ 208.75
02/19/2016	373	AT&T MOBILITY	TELEPHONE SERVICES	\$ 2,603.01
02/19/2016	374	C HUTT	RECREATION PROGRAM	\$ 100.00
02/19/2016	375	COMCAST	TELECOMMUNICATION SERVICES	\$ 447.55
02/19/2016	376	COMCAST	TELECOMMUNICATION SERVICES	\$ 144.85
02/19/2016	377	COMCAST	TELECOMMUNICATION SERVICES	\$ 85.11
02/19/2016	378	COMCAST	TELECOMMUNICATION SERVICES	\$ 85.11
02/19/2016	379	COMCAST	TELECOMMUNICATION SERVICES	\$ 177.76
02/19/2016	380	DTE ENERGY	UTILITIES SERVICES	\$ 1,691.68
02/19/2016	381	ERADICO SERVICES INC	EXTERMINATION SERVICES	\$ 58.00
02/19/2016	382	ERADICO SERVICES INC	EXTERMINATION SERVICES	\$ 38.00
02/19/2016	383	ERADICO SERVICES INC	EXTERMINATION SERVICES	\$ 58.00
02/19/2016	384	ERADICO SERVICES INC	EXTERMINATION SERVICES	\$ 38.00
02/19/2016	385	INTELLIGENT PRODUCTS INCORPORATED	DOG RUN SUPPLIES	\$ 215.96
02/19/2016	386	INTERMEDIA.NET INC.	TELECOMMUNICATION SERVICES	\$ 126.13
02/19/2016	387	INTERMEDIA.NET INC.	TELECOMMUNICATION SERVICES	\$ 121.12
02/19/2016	388	INTERNATIONAL INSTITUTE OF	MEMBERSHIP DUES-DREALAN	\$ 155.00
02/19/2016	389	JAX KAR WASH	POLICE VEHICLE MAINTENANCE	\$ 239.76
02/19/2016	390	JAX KAR WASH	PD VEHICLE MAINTENANCE	\$ 239.76
02/19/2016	391	JAX KAR WASH	PD VEHICLE MAINTENANCE	\$ 239.76
02/19/2016	392	MAMC	MEMBERSHIP DUES-DREALAN	\$ 60.00
02/19/2016	393	MICH.ASSOC.OF CHIEFS OF POLICE	CONFERENCE REGISTRATION-RIED	\$ 260.00
02/19/2016	394	MERS	RETIREMENT CONTRIBUTIONS	\$ 19,676.34
02/19/2016	395	MERS	RETIREE HEALTH FUNDING PLAN	\$ 5,000.00
02/19/2016	396	MERS	RETIREMENT CONTRIBUTIONS	\$ 19,397.84
02/19/2016	397	PERFECT WATER	WELLNESS CENTER SUPPLIES	\$ 12.42
02/19/2016	398	PERFECT WATER	WELLENSS CENTER SUPPLIES	\$ 39.95
02/19/2016	399	QUILL CORPORATION	OFFICE SUPPLIES	\$ 509.67
02/19/2016	400	WOW! BUSINESS	TELECOMMUNICAITON SERVICES	\$ 261.13
02/19/2016	401	WOW! BUSINESS	TELECOMMUNICATION SERVICES	\$ 261.13

Total for Electronic Payments	\$ 52,615.10
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City of Pleasant Ridge

James Breuckman, City Manager

From: Jim Breuckman, City Manager
To: City Commission
Date: March 10, 2016
Re: Resolution Opposing I-75 Expansion Project

Overview

Mayor Metzger and Commissioner Perry requested that the attached resolution opposing the I-75 expansion project be placed on this months' City Commission agenda.

Requested Action

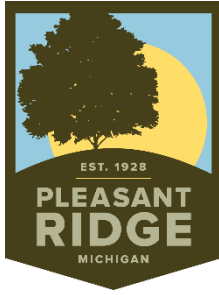
Approval of the attached resolution.

Background

MDOT is planning on implementing freeway projects on I-94 and I-75 over the next 20 years. These projects include the reconstruction of existing freeway improvements and also expansion projects to add lanes to the freeways. The projects are estimated to cost \$4 billion. The expansion portions of the projects have been justified on the basis that they will ease congestion and support increased economic activity.

It has long been known that highway capacity expansion projects do not actually ease congestion, but instead create more traffic so that the same level of congestion exists after the expansion project as before. Further, the assertion that capacity expansion projects lead to increased economic development is not supported by the research.

The attached resolution asserts that the highway expansion projects are a wasteful expenditure that will not solve congestion projects, and that the money programmed for the expansion portions of the freeway projects would be better spent on creating a robust multi-modal transportation system that includes functional and attractive transit options, complete streets that support non-motorized travel options, and better maintenance of existing road and street infrastructure.



City of Pleasant Ridge

23925 Woodward Avenue, Pleasant Ridge, Michigan 48069
Phone: 248-541-2901 • Web: www.cityofpleasantridge.org

City Commission
Kurt Metzger, Mayor
Jay Foreman
Jason Krzysiak
Ann Perry
Bret Scott

City Manager
James Breuckman

RESOLUTION FOR RESPONSIBLE SPENDING OF TRANSPORTATION FUNDS IN SOUTHEAST MICHIGAN

WHEREAS, communities across the southeast Michigan face an acute shortage of transportation funds to repair existing streets and bridges, address safety needs, and provide the quality of life that attracts and retains residents and employers; and

WHEREAS, within the City of Pleasant Ridge these needs specifically include the repair of existing roads; and

WHEREAS, the Michigan Department of Transportation has approved and intends to commence major highway reconstruction and capacity expansion projects on I-75 in Oakland County and I-94 in Detroit, with expected costs that may exceed \$4 billion dollars, including hundreds of millions for capacity expansion; and

WHEREAS, the 2040 Long-Range Plan states that traffic congestion in southeast Michigan is “limited,” that the region will not regain its 2000 population within the next 25 years, and that any increase in traffic levels will be modest; and

WHEREAS, surveys performed by SEMCOG show that a majority of the region’s residents do not support raising taxes for the purpose of expanding highway capacity; and

WHEREAS, the expansions threaten significant negative impacts to the communities they traverse, including displacement of residents, destruction of local tax base, loss of property value, increases in traffic noise, aggravated air pollution, and continued disinvestment; and

WHEREAS, it has been known since at least 1962 that, on urban commuter expressways, peak-hour traffic congestion rises to meet maximum capacity (“The Law of Peak-Hour Expressway Congestion” by Anthony Downs, 1962). Simply adding capacity to existing roadways will not solve traffic congestion. This is widely known as “induced demand,” where capacity additions induce more traffic to use the road; and

WHEREAS, recent research finds that the quality of evidence linking highway capacity expansion to increased vehicle miles traveled is high, and that capacity expansion leads to a net increase in vehicle miles traveled and not just a shifting of vehicle miles traveled from one road to another. Further, most studies of the impact of capacity expansion on development in a metropolitan region find no net increase in employment or other economic activity (“Increasing Highway Capacity Unlikely to Relieve Traffic Congestion”, Susan Handy, University of California, Davis 2015); and

NOW THEREFORE BE IT RESOLVED, the City Commission of the City of Pleasant Ridge opposes the inclusion of these highway capacity expansion projects in the 2040 Long-Range Plan; and

BE IT FURTHER RESOLVED, the City Commission especially opposes the proposed Transportation Improvement Project amendments pertaining to the acceleration of the widening of 1-75 between Eight Mile Road and M-59; and

BE IT FURTHER RESOLVED, the Pleasant Ridge City Commission requests that the funding currently programmed for these capacity expansion projects be redirected to other roadway projects, such as performing preventive maintenance and rehabilitating existing major roads, bridges and local streets; addressing critical safety needs; developing and implementing mass transit and a true regional multi-modal transportation system; and enhancing the overall quality of life through these measures; and

BE IT FURTHER RESOLVED, this Resolution shall be transmitted to SEMCOG and its Member Communities, the Michigan Municipal League, the Michigan Department of Transportation (MDOT), Governor Rick Snyder, and Representative Robert Wittenberg and Senator Vincent Gregory.

BE IT FINALLY RESOLVED, the City of Pleasant Ridge hereby adopts this Resolution requesting that the two expansion projects be excluded from the 2040 Long-Range Plan, and funding redirected towards other needs.

The foregoing resolution was offered by _____ and supported by _____ and same was duly passed at a regular meeting of the Pleasant Ridge City Commission held on March 15, 2016, and that the vote was as follows:

Yeas:

Nays:

Absent:

I, Amy Drealan, duly certified Clerk of the City of Pleasant Ridge do hereby certify that the foregoing is a true and accurate copy of a resolution adopted by the Pleasant Ridge City Commission at its regular meeting held March 15, 2016.

Amy M. Drealan
City Clerk



Increasing Highway Capacity Unlikely to Relieve Traffic Congestion

Susan Handy
Department of Environmental Science and Policy
University of California, Davis

Contact Information:
slhandy@ucdavis.edu

Issue

Reducing traffic congestion is often proposed as a solution for improving fuel efficiency and reducing greenhouse gas (GHG) emissions. Traffic congestion has traditionally been addressed by adding additional roadway capacity via constructing entirely new roadways, adding additional lanes to existing roadways, or upgrading existing highways to controlled-access freeways. Numerous studies have examined the effectiveness of this approach and consistently show that adding capacity to roadways fails to alleviate congestion for long because it actually increases vehicle miles traveled (VMT).

An increase in VMT attributable to increases in roadway capacity where congestion is present is called “induced travel”. The basic economic principles of supply and demand explain this phenomenon: adding capacity decreases travel time, in effect lowering the “price” of driving; and when prices go down, the quantity of driving goes up.¹ Induced travel counteracts the effectiveness of capacity expansion as a strategy for alleviating traffic congestion and offsets in part or in whole reductions in GHG emissions that would result from reduced congestion.

Key Research Findings

The quality of the evidence linking highway capacity expansion to increased VMT is high. All studies reviewed used time-series data and sophisticated econometric techniques to estimate the effect of increased capacity on congestion and VMT. All studies also controlled for other factors that might also affect VMT, including population growth, increases in income, other demographic factors, and changes in transit service.²

Increased roadway capacity induces additional VMT in the short-run and even more VMT in the long-run. A capacity expansion of 10% is likely to increase VMT by 3% to 6% in the short-run and 6% to 10% in the long-run. Increased capacity can lead to increased VMT in the short-run in several ways: if people shift from other modes to driving, if drivers make longer trips (by choosing longer routes and/or more distant destinations), or if drivers make more frequent trips.^{3,4,5} Longer-term effects may also occur if households and businesses move to more distant locations or if development patterns become more dispersed in response to the capacity increase. One study concludes that the full impact of capacity expansion on VMT materializes within five years⁶ and another concludes that the full effect takes as long as 10 years.⁷

Capacity expansion leads to a net increase in VMT, not simply a shifting of VMT from one road to another. Some argue that increased capacity does not generate new VMT but rather that drivers simply shift from slower and more congested roads to the new or newly expanded roadway. Evidence does not support this argument. One study found “no conclusive evidence that increases in state highway lane-miles have affected traffic on other roads”⁸ while a more recent study concluded that “increasing lane kilometers for one type of road diverts little traffic from other types of roads”.⁹

Increases in GHG emissions attributable to capacity expansion are substantial. One study predicted that the growth in VMT attributable to increased lane miles would produce an additional 43 million metric tons of CO₂ emissions in 2012 nationwide.¹⁰

Capacity expansion does not increase employment or other economic activity. Economic development and job creation are often cited as compelling reasons for expanding the capacity of roadways. However, most studies of the impact of capacity expansion on development in a metropolitan region find no net increase in employment or other economic activity, though investments do influence where within a region development occurs.^{11, 12}

Conversely, reductions in roadway capacity tend to produce social and economic benefits without worsening traffic congestion. The removal of elevated freeway segments in San Francisco coupled with improvements to the at-grade Embarcadero and Octavia Boulevards has sparked an on-going revitalization of the surrounding areas while producing a significant drop in traffic.¹³ Many cities in Europe have adopted the strategy of closing streets

in the central business district to vehicle traffic as an approach to economic revitalization,¹⁴ and this strategy is increasingly being adopted in cities the U.S., from New York City to San Francisco.

Further Reading

This policy brief is drawn from the “Impact of Highway Capacity and Induced Travel on Passenger Vehicle Use and Greenhouse Gas Emissions” policy brief and technical background memo prepared for the California Air Resources Board (CARB) by Susan Handy (University of California, Davis) and Marlon Boarnet (University of Southern California), which can be found on CARB’s website along with briefs and memos on 22 other land use and transportation strategies that impact vehicle use and GHG emissions. Website link: <http://arb.ca.gov/cc/sb375/policies/policies.htm>

¹ Noland, R.B. and L.L. Lem. (2002). A review of the evidence for induced travel and changes in transportation and environmental policy in the US and the UK. *Transportation Research D*, 7, 1-26. <http://bit.ly/1jZbl1E>

² Noland, R.B. and L.L. Lem. (2002).

³ Noland, R.B. and L.L. Lem. (2002).

⁴ Gorham, R. (2009). Demystifying Induced Travel Demand. Sustainable Urban Transport Document #1. Transport Policy Advisory Services on behalf of the Federal Ministry of Economic Cooperation and Development, Bonn, Germany. <http://bit.ly/1MsZHfg>

⁵ Litman, T. (2010). Generated Traffic and Induced Travel: Implications for Transport Planning. Victoria Transport Policy Institute. <http://bit.ly/1WXC258>

⁶ Hansen, M. and Y. Huang. (1997). Road Supply and Traffic in California Urban Areas. *Transportation Research A*, 31(3), 205-218. <http://bit.ly/1ZvLOOK>

⁷ Duranton, G. and M.A. Turner. (2011). The Fundamental Law of Road Congestion: Evidence from US Cities. *American Economic Review*, 101, 2616-2652. <http://bit.ly/1MsZTeD>

⁸ Hansen and Huang. (1997).

⁹ Duranton and Turner. (2011).

¹⁰ Handy, S. (2005). Smart Growth and the Transportation-Land Use Connection: What Does the Research Tell us? *International Regional Science Review*, 28(2): 1-22. <http://bit.ly/1NCeeSP>

¹¹ Handy, S. (2005).

¹² Funderberg, R., H. Nixon, M. Boarnet, and G. Ferguson. (2010). New Highways and Land Use Change: Results From a Quasi-Experimental Research Design. *Transportation Research A*, 44(2): 76-98. <http://bit.ly/1LqYhfD>

¹³ Cervero, R., J. Kang, and K. Shively. (2009). From Elevated Freeways to Surface Boulevards: Neighborhood and Housing Price Impacts in San Francisco. *Journal of Urbanism*, 2(1), 31-50. <http://bit.ly/1LF8eSq>

¹⁴ Hajdu, J.C. (1988). Pedestrian Malls in West Germany: Perceptions of their Role and Stages in their Development. *Journal of the American Planning Association*, 54(3). 325-335. <http://bit.ly/1LqYnUy>

The National Center for Sustainable Transportation is a consortium of leading universities committed to advancing an environmentally sustainable transportation system through cutting-edge research, direct policy engagement, and education of our future leaders.

Consortium members: University of California, Davis; University of California, Riverside; University of Southern California; California State University, Long Beach; Georgia Institute of Technology; and The University of Vermont

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**CITY OF FERNDALE
REQUEST FOR COUNCIL ACTION**

FROM: April L. Lynch, City Manager

SUBJECT: Resolution for Responsible Spending of Transportation Funds in Southeast Michigan

SUMMARY & BACKGROUND:

The City of Royal Oak has prepared a draft resolution opposing the widening of I-75. Council has requested that the City of Ferndale support the resolution.

Attached is the resolution for the City of Ferndale.

ATTACHMENTS: Resolution

COUNCIL AGENDA DATE: February 22, 2016

CITY ATTORNEY REVIEW: NA

FINANCE DIRECTOR REVIEW: NA

CITY MANAGER REVIEW: February 18, 2016

RECOMMENDED ACTION:

Moved by, and supported by, the City of Ferndale hereby request the two I-75 expansion projects be excluded from the 2040 Long-Range Plan, and funding redirected towards other needs, until such time as their utility is re-examined in the light of current transportation and funding conditions.

A RESOLUTION FOR RESPONSIBLE SPENDING OF TRANSPORTATION FUNDS IN SOUTHEAST MICHIGAN

WHEREAS, communities across the southeast Michigan face an acute shortage of transportation funds to repair existing streets and bridges, address safety needs, and provide the quality of life that attracts and retains residents and employers; and

WHEREAS, within the City of Ferndale these needs specifically include the repair of existing roads; and

WHEREAS, the Michigan Department of Transportation has approved and intends to commence major highway reconstruction and capacity expansion projects on 1-75 in Oakland County and I-94 in Detroit, with expected costs that may exceed \$4 billion dollars, including hundreds of millions for capacity expansion; and

WHEREAS, the 2040 Long-Range Plan states that traffic congestion in southeast Michigan is “limited,” that the region will not regain its 2000 population with the next 25 years, and that any increase in traffic levels will be modest; and

WHEREAS, surveys performed by SEMCOG show that a majority of the region’s residents do not support raising taxes for the purpose of expanding highway capacity; and

WHEREAS, the expansions threaten significant negative impacts to the communities they traverse, including displacement of residents, destruction of local tax base, loss of property value, increases in traffic noise, aggravated air pollution, and continued disinvestment;

WHEREAS, it has been well established that such road expansions provide only temporary relief, while exacerbating traffic congestion in the long run; and

WHEREAS, \$4 billion would be far better spent addressing our region’s desperate need for a comprehensive regional transit system to meet the needs of residents; and

WHEREAS, cities across the state are suffering consequences of decades of anti-urban policies, such as freeway expansions, which encourage sprawl while decreasing investment in the very population centers where the majority of residents live; and

WHEREAS, state law dictates that not only must cities and villages suffer the consequences of these policies, but in fact, must bear a portion of the cost of opening, widening, and improving state trunk line highways resulting in further deterioration of existing local infrastructure; and

WHEREAS, SB 557 introduced by State Senator Knollenberg proposed to eliminate the requirement that Ferndale residents’ tax dollars be redirected to a project that harms our community; and

NOW THEREFORE BE IT RESOLVED, the City Council of the City of Ferndale opposes the inclusion of these highway capacity expansion projects in the 2040 Long-Range Plan; and

BE IT FURTHER RESOLVED, the City Council especially opposes the proposed Transportation Improvement Project amendments pertaining to the acceleration of the widening of 1-75 between Eight Mile Road and M-59; and

BE IT FURTHER RESOLVED, the Ferndale City Council requests that the funding currently programmed for these capacity projects be redirected to other roadway projects, such as performing preventive maintenance and rehabilitating existing major roads, bridges and local streets; addressing critical safety

needs; developing and implementing mass transit; and enhancing the overall quality of life through these measures; and

BE IT FURTHER RESOLVED, that the City of Ferndale supports the passage of SB 557 which, at the very least, would end the requirement that Ferndale residents fund a project that will bring harm to our city; and

BE IT FURTHER RESOLVED, this Resolution shall be transmitted to SEMCOG and its Member Communities, the Michigan Municipal League, the Michigan Department of Transportation (MDOT), Governor Rick Snyder, and Representative Robert Wittenburg and Senator Vincent Gregory.

BE IT FINALLY RESOLVED, the City of Ferndale hereby adopts this Resolution requesting that the two expansion projects be excluded from the 2040 Long-Range Plan, and funding redirected towards other needs, until such time as their utility is re-examined in the light of current transportation and funding conditions.

JAMES B. ELLISON, MAYOR

OFFICE OF THE MAYOR
211 South Williams Street
Royal Oak, MI 48067

COMMISSION MEMBERS

Sharlan Douglas
Kyle DuBuc
Michael Fournier
Jeremy Mahrle
Patricia Paruch
David Poulton

**A RESOLUTION FOR RESPONSIBLE SPENDING OF TRANSPORTATION FUNDS IN
SOUTHEAST MICHIGAN**

WHEREAS, communities across the southeast Michigan face an acute shortage of transportation funds to repair existing streets and bridges, address safety needs, and provide the quality of life that attracts and retains residents and employers; and

WHEREAS, within the City of Royal Oak these needs specifically include the repair of existing roads; and

WHEREAS, the Michigan Department of Transportation has approved and intends to commence major highway reconstruction and capacity expansion projects on I-75 in Oakland County and I-94 in Detroit, with expected costs that may exceed \$4 billion dollars, including hundreds of millions for capacity expansion; and

WHEREAS, the 2040 Long-Range Plan states that traffic congestion in southeast Michigan is “limited,” that the region will not regain its 2000 population within the next 25 years, and that any increase in traffic levels will be modest; and

WHEREAS, surveys performed by SEMCOG show that a majority of the region’s residents do not support raising taxes for the purpose of expanding highway capacity; and

WHEREAS, the expansions threaten significant negative impacts to the communities they traverse, including displacement of residents, destruction of local tax base, loss of property value, increases in traffic noise, aggravated air pollution, and continued disinvestment;

WHEREAS, it has been well established that such road expansions provide only temporary relief, while exacerbating traffic congestion in the long run; and

WHEREAS, \$4 billion would be far better spent addressing our region’s desperate need for a comprehensive regional transit system to meet the needs of residents; and

WHEREAS, cities across the state are suffering consequences of decades of anti-urban policies, such as freeway expansions, which encourage sprawl while decreasing investment in the very population centers where the majority of residents live; and

WHEREAS, state law dictates that not only must cities and villages suffer the consequences of these policies, but in fact, must bear a portion of the cost of opening, widening, and improving state trunk line highways resulting in further deterioration of existing local infrastructure; and

WHEREAS, SB 557 introduced by State Senator Knollenberg proposed to eliminate the requirement that Royal Oak residents' tax dollars be redirected to a project that harms our community; and

NOW THEREFORE BE IT RESOLVED, the City Commission of the City of Royal Oak opposes the inclusion of these highway capacity expansion projects in the 2040 Long-Range Plan; and

BE IT FURTHER RESOLVED, the City Commission especially opposes the proposed Transportation Improvement Project amendments pertaining to the acceleration of the widening of 1-75 between Eight Mile Road and M-59; and

BE IT FURTHER RESOLVED, the Royal Oak City Commission requests that the funding currently programmed for these capacity projects be redirected to other roadway projects, such as performing preventive maintenance and rehabilitating existing major roads, bridges and local streets; addressing critical safety needs; developing and implementing mass transit; and enhancing the overall quality of life through these measures; and

BE IT FURTHER RESOLVED, that the city of Royal Oak will utilize all legal means at its disposal to prevent this expansion from taking place; and

BE IT FURTHER RESOLVED, that the city of Royal Oak supports the passage of SB 557 which, at the very least, would end the requirement that Royal Oak residents fund a project that will bring harm to our city; and

BE IT FURTHER RESOLVED, this Resolution shall be transmitted to SEMCOG and its Member Communities, the Michigan Municipal League, the Michigan Department of Transportation (MDOT), Governor Rick Snyder, and Representative James Townsend and Senator Marty Knollenberg.

BE IT FINALLY RESOLVED, the City of Royal Oak hereby adopts this Resolution requesting that the two expansion projects be excluded from the 2040 Long-Range Plan, and funding redirected towards other needs, until such time as their utility is re-examined in the light of current transportation and funding conditions.

RESOLUTION

Parenting Awareness Month

WHEREAS, March is Parenting Awareness Month in the State of Michigan; and

WHEREAS, Parenting Awareness Month celebrates people who are raising children; and

WHEREAS, Parenting Awareness Month seeks to draw public attention to the critical importance of parenting by helping children to become healthy, caring and contributing citizens; and

WHEREAS, Parenting Awareness Month seeks to promote education and resources for developing parent skills throughout the year; and

WHEREAS, Parenting Awareness Month encourages the development of local parenting networks; and

WHEREAS, Parenting Awareness Month encourages everyone to participate in the lives of all our children.

NOW, THEREFORE, I, Kurt Metzger, on behalf of the entire City Commission do hereby proclaim March as Parenting Awareness Month in the City of Pleasant Ridge to support and recognize all efforts and resources, particularly local, that promote, encourage, and educate the community on parenting issues.

BE IT FURTHER RESOLVED, that all citizens of the City of Pleasant Ridge uphold the vision that every person, everywhere, everyday understands their responsibility in raising our children.

*Signed this 15th day of March, 2016, in the City of Pleasant Ridge
State of Michigan in witness whereof the official seal
and signature of the city.*

Kurt Metzger, Mayor



City of Pleasant Ridge

23925 Woodward Avenue
Pleasant Ridge, Michigan 48069

RESOLUTION

National Child Abuse Prevention and Awareness Month

WHEREAS, since 1983, April has been designated National Child Abuse Prevention Month and has served to increase public awareness of the need to ensure the safety and welfare of children; and

WHEREAS, crossing all racial, economic and geographic boundaries and including physical, sexual and emotional abuse and physical neglect, the repercussions are long-lasting, not only for victims and their families but also for communities and society as a whole; and

WHEREAS, the State of Michigan has mandatory reporting by professionals working with children of any suspected abuse and neglect incidences, a major step, but more is needed in the community; and

WHEREAS, a focus on promoting the protective factors, including building parent resiliency, providing social supports and educating about child development will help build positive relationships between parents/caregivers and the children in their care; and

WHEREAS, technology has brought with it a new and dangerous form of child endangerment, the online predator, and parents must be conscientious and monitor their child's computer use; and

WHEREAS, effective abuse and neglect prevention programs succeed because of the involvement and partnerships created among schools, social service agencies, religious and civic organizations, the business community and law enforcement agencies; and

WHEREAS, the Child Abuse and Neglect Council of Oakland County is a prominent advocate for the safety and protection of all children as a leading resource in the prevention of abuse through intervention, treatment and research, and education in collaboration with other community agencies and organizations. Children deserve to grow and thrive in an environment that nurtures and keeps them safe.

NOW, THEREFORE, I, Kurt Metzger, do hereby proclaim April as National Child Abuse Prevention and Awareness Month in the City of Pleasant Ridge and call upon all citizens, community agencies and organizations and businesses to increase their participation in our efforts to prevent child abuse, thereby strengthening the communities in which we live.

*Signed this 14th day of April, 2015, in the City of Pleasant Ridge
State of Michigan in witness whereof the official seal
and signature of the city.*

Kurt Metzger, Mayor



City of Pleasant Ridge

Amy M. Drealan, City Clerk

From: Amy M. Drealan, City Clerk
To: Mayor and City Commission
Date: March 15, 2016
Re: Clean Water Action – Solicitation Request

The City received a request by Clean Water Action to solicit door-to-door from March 16 through April 30, 2016.

Canvassers for the organization will be working on a door-to-door campaign to inform residents of their work and ask them to become involved in their campaign. Residents may be asked by the canvassers to make contributions, sign statements of support, make telephone calls or write letters of support, or volunteer their time towards the organizations work for clean and safe water, waste prevention and funding for enforcement of environmental protection.

Clean Water Action is a registered 5013(c). As a courtesy to our residents, we place notice of these types of solicitation on our monthly City Commission agenda.

Requested Action

Approval of the request by Clean Water Action to solicit door-to-door from March 16 through April 30, 2016.



City of Pleasant Ridge

James Breuckman, City Manager

From: Jim Breuckman, City Manager
To: City Commission
Date: March 10, 2016
Re: Supplemental Budget Appropriation

Overview

Attached is a supplemental appropriation to amend the current fiscal year 2015-16 budget. The only adjustments necessary at this time are to increase expenses in the Water and Sewer fund by \$38,500. Periodic budget amendments are necessary to keep the adopted budget in line with actual expenses.

Requested Action

Approval of the attached supplemental budget appropriation.

Background

This Supplemental Appropriation redistributes dollars in the Water and Sewer Fund to reflect projected revenues and expenses.

The largest expenditure items include an increase to Contractual Services and Engineering Services (592-536-809 & 814) for a total of \$35,500. There is also an increase for printing of water bills (592-536-906) of \$3,000 to cover the increased cost of water bill printing.

The increased costs for contractual and engineering services are due to the MDEQ, which required the City to prepare a water reliability study and to conduct groundwater testing in the DPW yard area.

RESOLUTION# 16-_____

SUPPLEMENTAL APPROPRIATION

WHEREAS, the City Manager has verified that there is available for appropriation, monies in excess of those in the current budget, and

WHEREAS, additional monies are needed in various accounts; and by ordinance or resolution so make such Supplemental Appropriation;

WHEREAS, Section 6.10 (A) fo the City Charter authorizes the City Commission either by ordinance or resolution so make such Supplemental Appropriation;

NOW THEREFORE, BE IT RESOLVED, that the City Commission of the City of Pleasant Ridge hereby adopts the following supplemental appropriation for the continued operation of the City.

SUPPLEMENTAL APPROPRIATION #A-2016-001

The 2015-2016 fiscal year budget is hereby supplemented to reflect the following revenue and expenditure items.

Fund	Amount
Revenues	
592 Water & Sewer Fund	
Fund Balance	(38,500)
	(38,500)
Expenditures	
592 Water & Sewer Fund	
Expenditures	38,500
	38,500

Kurt Metzger, Mayor

Amy M. Drealan City Clerk

Adopted:



City of Pleasant Ridge

James Breuckman, City Manager

From: Jim Breuckman, City Manager
 To: City Commission
 Date: March 10, 2016
 Re: Ordinance to Adopt Equivalent Residential Unit Methodology to Apportion Storm Water Runoff Treatment Costs

Overview

A number of communities that have combined sewer systems have been served with class action lawsuits over the past few years over storm water runoff treatment costs. In our immediate area, Ferndale and Birmingham have settled such lawsuits for multiple millions of dollars over the past year. Royal Oak contested their lawsuit and won in the trial court based on specific language that is in their Charter. Oak Park is in the middle of a case at the present time.

The basis for the lawsuits is the Bolt v. Lansing case decided by the Michigan Supreme Court in 1998. The basic question of law in all of the lawsuits is the legality of municipalities charging water system users for treatment of storm water runoff that enters the combined sewer system as part of the water usage rate.

The change to the recommended ERU methodology is intended to mitigate the chances that a similar lawsuit could be brought against Pleasant Ridge. Berkley has used the ERU method for over a decade now, and Birmingham is moving to the ERU method as a result of their lawsuit settlement.

Requested Action

Establish a Public Hearing for the proposed Equivalent Residential Unit ordinance amendment.

Background

Staff is proposing that the City move to an Equivalent Residential Unit (ERU) method for apportioning the cost that they City pays for the treatment of storm water runoff. When storm water enters the City's combined sewer system, it mixes with sanitary sewage and requires treatment before it can be discharged. Oakland County's George W. Kuhn (GWK) treatment facility is a Combined Sewer Overflow (CSO) facility that provides treatment of storm water runoff.

Pleasant Ridge paid Oakland County about \$335,000 in FY15-16 for storm water runoff treatment. These costs were passed on to water system users as part of the \$101.50 per MCF water usage rate. The proposed ERU method would pass on these costs based on a calculated runoff factor for each property that calculates the amount of storm water each property is expected to generate. This is a more proportional method of apportioning storm water runoff charges.

Definition of User Fees vs. Taxes

The lawsuits contend that there is no relationship between the amount of water a customer draws from the tap and the amount of storm water that a person's property contributes to the system. For this reason, the lawsuits contend that paying for storm water treatment through the water usage rate does not constitute a valid user fee and is instead a tax.

The Court stated in its Bolt decision that "There is no bright-line test for distinguishing between a valid user fee and a tax that violates the Headlee Amendment." However, "a fee generally is exchanged for a service rendered or a benefit conferred, and some reasonable relationship exists between the amount of the fee and the value of the service or benefit."

The Bolt vs. Lansing case established a three-part test to be used when distinguishing between a fee and a tax:

1. A user fee must serve a regulatory purpose rather than a revenue-raising purpose.
2. User fees must be proportionate to the necessary costs of the service.
3. Voluntariness.

Impact on Pleasant Ridge

Not all of the tests have to be met in order for a user fee to be determined to be valid. However, the general requirement that a reasonable relationship exist between the fee and the service provided suggests that the City should examine how we apportion our storm water treatment costs.

While Royal Oak has prevailed in the initial decision in their case based on specific language in their charter that predates the enactment of the Headlee Amendment, Ferndale and Birmingham chose to settle their cases. Given that Pleasant Ridge currently uses the same fee structure as Ferndale, Birmingham, and Royal Oak, this raises at least the possibility that we could be served with a similar lawsuit.

For the above reasons, Staff is proposing that the City move to the ERU method for apportioning storm water runoff treatment costs. This method of allocating costs arguably has a more proportional relationship between the amount of runoff that a property generates and the fee for services charged to that property.

Attached is a study that establishes how storm water charges would be apportioned to each property using the ERU methodology and an ordinance amendment to establish the ERU storm water runoff charge.

Royal Oak

Royal Oak contested their lawsuit and won in the trial court based on specific language that is in their Charter. Pleasant Ridge has similar language in Section 74-260 of our Code of Ordinances that Royal Oak has in their Charter, meaning that the defense that Royal Oak used *may* be available to us were we to be served with such a lawsuit. However, the Plaintiffs have requested reconsideration of the Royal Oak decision, and an appeal to the Michigan Court of Appeals is very likely. Even if Royal Oak prevails, when it comes to lawsuits and litigation, there is always uncertainty.



City of Pleasant Ridge
Ordinance No. ____

AN ORDINANCE TO AMEND CHAPTER 74 (UTILITIES) OF THE PLEASANT RIDGE CITY CODE BY ADDING A NEW ARTICLE V (STORM WATER USER CHARGE), INCLUDING SECTIONS 74-261 (DEFINITIONS), 74-262 (STORM WATER SERVICE CHARGES), 74-263 (PROPERTY AFFECTED), 74-264 (CALCULATION OF CHARGES), and 74-265 (BILLING), and 74-266 (COLLECTION).

THE CITY OF PLEASANT RIDGE HEREBY ORDAINS:

Section 1. Amendment – Chapter 74 of the Pleasant Ridge City Code is hereby amended to add the following sections:

ARTICLE V – STORM WATER USER CHARGE

Sec. 70-261 Definitions. The following words, terms and phrases, when used in this division, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

City Manager. The City Manager or his or her designee.

Combined sewer system: Public sewers, drains, ditches and retention ponds used for collecting and transporting storm water and non-storm water in the city.

Equivalent residential unit: A subunit of measurement which relates the volume of storm-water discharged from single-family residential lots to multifamily residential and non-residential lots based on the amount of total and impervious lot area. The formula for an equivalent residential unit (ERU) is as follows:

$$1 \text{ ERU} = \frac{(0.15 (TA - IA)) + (0.90 (IA))}{N}$$

where,

TA = total area of all single family residential lots;

IA = impervious area of all single family residential lots;

N = total number of single family residential lots;

0.15 = runoff coefficient for pervious area;
0.90 = runoff coefficient for impervious area.

One ERU in the city is equal to 3,609 square feet. All single-family residential units in the city will be calculated as one ERU.

Impervious lot area: The area of a lot or parcel of land within the city that is covered by buildings, pavement and/or material that substantially reduces the rate of infiltration of storm water into the earth as determined from the dimensions and/or area measurements obtained from the Oakland County tax records, or on-site or photogrammetric measurements. Impervious lot area has a runoff coefficient equal to 0.90.

Nonstormwater: All flows to the combined sewer system not defined as storm water in this section 74-261, of this division or as determined by the City Manager.

Pervious lot area: All land area that is not impervious. Pervious lot area equals the total lot area, minus the impervious lot area. Pervious lot area has a runoff coefficient equal to 0.15.

Stormwater: Storm water runoff, snow melt runoff and surface runoff and drainage.

Storm water service charge: The charge imposed for the use of that portion of the combined system that transports storm water, based on the number of ERUs for a lot or parcel of land determined as provided in section 74-263.

Stormwater sewer system: That portion of the combined sewer system that is attributable to the transportation and treatment of storm water.

User: An owner of property which directly or indirectly contributes to the combined sewer system.

Sec. 74-262 Storm Water Service Charges.

- (a) All users shall pay a stormwater service charge based on the volume of storm water which is projected to discharge into the combined sewer system from their property.
- (b) The city commission shall, by resolution, set storm water service charges at a rate which will recover from each user its share of the costs of the storm water sewer system attributable to the discharge of storm water from non-city property. The city shall use the revenues of the storm water service charges to pay the costs of water treatment operation and maintenance of the storm water sewer system, and for necessary improvements and additions to the storm water sewer system.

(c) The city may also collect from users charges imposed to pay the implementation and operation of any of the following:

- (1) Monitoring, inspection and surveillance procedures;
- (2) Reviewing accidental discharge procedures and construction;
- (3) Discharge permit applications; or
- (4) Other fees as the city may deem necessary to operate the stormwater sewer system.

Sec. 74-263. Calculation of Charges. The stormwater service charge shall equal the number of ERUs for a given lot, multiplied by the annual rate established by the city commission per ERU per year. The formula for determining the number of ERUs per multi-family residential or nonresidential lot shall be calculated from the amount of pervious and impervious lot area as follows:

$$\text{Number of ERU's} = \frac{(0.15 * (TA - IA)) + (0.90 * IA)}{3,609 \text{ square feet/ERU}}$$

where,

TA = total area of each multifamily residential or nonresidential lot (reported in square feet);

IA = impervious area of each multifamily residential or nonresidential lot (reported in square feet).

Sec. 74-264. Billing. The billing for the storm water service charge may be combined with the billing for other utility services. Final determinations on measurements per ERU will be determined by the City Manager or designee.

Sec. 74-265. Collection. Unpaid storm water service charges shall constitute a lien against the property affected and may be collected using the procedures found in section 74-259 of this Code.

Section 2. **Effective Date.** This Ordinance shall be effective fifteen days after enactment and upon publication.

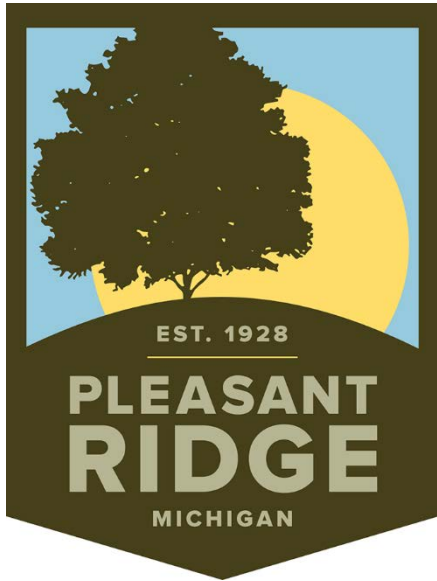
Certificate

I hereby certify that the foregoing ordinance was adopted by the City Commission of the City of Pleasant Ridge at a meeting thereof on _____ 2016



Amy M. Drealan, City Clerk
City of Pleasant Ridge

City Commission Introduction:March 15, 2016
City Commission Public Hearing:
City Commission Adoption:.....
Published:.....
Effective:.....



City of Pleasant Ridge

Storm Water Equivalent Residential Unit Apportionment Study

February 19, 2016



City of Pleasant Ridge

Storm Water Equivalent Residential Unit Apportionment Study

February 19, 2016

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1. Introduction

1.1 Introduction

The City of Pleasant Ridge has a combined sewer system. This type of sewer system collects both sewage and storm water runoff from streets that enters the sewer system through the drain inlets. These types of system were built in the past before sewage treatment plants were common. These systems mix storm water with sewage.

Once the dangers of directing untreated sewage into waterways became known and sewage treatment plants became common, Cities began constructing separated systems where sanitary sewage was conveyed to treatment plants in one set of pipes and storm water runoff was carried to waterways through a separate set of pipes.

The problem with older combined systems is that the volume of storm runoff is many times the volume of dry weather sewage flows. This means that sewer flows during rain events overwhelm the capacity of sewerage treatment plants and cause discharges of untreated sewerage into waterways.

In order to solve this problem, combined sewer systems contain two types of treatment facilities. During dry weather the sewers flow to a sewer treatment plant which treats the sewerage and then discharges the cleaned water to waterways.

During wet weather events, the sewer flows are diverted to a combined sewer overflow (CSO) facility. These CSOs were retrofitted in to combined sewer systems in order to accommodate the large wet weather events.

In Pleasant Ridge, during dry weather, sewerage flows down to the Detroit Water and Sewer Department sewer treatment plant. During wet weather, the sewers are diverted to flow to the George W. Kuhn (GWK) CSO facility. Pleasant Ridge pays about \$542,000 per year for sewer treatment costs. Of this, about \$207,000 is paid to DWSD for dry weather treatment, and \$335,000 is paid to Oakland County for wet weather treatment at the GWK facility.

1.2 Methodology

The purpose of this study is to establish a methodology for apportioning sewerage treatment costs that segregates storm water runoff treatment costs. Those costs are generated by rainfall, and so an impervious surface analysis is a proportional basis for determining what the fee to each water user should be to cover their proportionate share of the City's overall storm water treatment cost.

The methodology uses the *equivalent residential unit (ERU)* as the basis of analysis. An ERU is a subunit of measurement that relates the volume of storm water discharged from the average single-family residential lot in the City to multifamily and non-residential lots based on the amount of total and impervious lot area. The formula for an equivalent residential unit is as follows:

$$1 \text{ ERU} = [(0.9 * \text{IA}) + (0.15(\text{TA}-\text{IA}))] / N$$

Where,

TA = total area of all single family residential lots

IA = impervious surface area of all single family residential lots

N = total number of single family residential lots

0.9 = runoff coefficient for impervious surface area

0.15 = runoff coefficient for pervious surface area.

Impervious surface area is the area of a lot or parcel of land within the city that is covered by buildings, pavement, and/or material that substantially reduces the rate of infiltration of storm water into the earth as determined from the area measurements obtained from photogrammetric measurements through a GIS analysis.

Pervious lot area is all land area that is not impervious.

1.3 Impact on Water and Sewer Rate Structure

Rather than collecting revenue from water system users through the water usage rate to pay for storm water CSO treatment costs, the ERU methodology will establish a flat storm water service charge for each parcel based on the number of ERUs for each lot. This study is the basis upon which ERUs will be allocated to each lot in the City.

The water and sewer usage rate will be reduced by an amount sufficient to equal the revenue raised by the storm water service charge.

2. Summary of Findings

2.1 Summary of City Wide Equivalent Residential Unit Calculations

In order to determine how storm water runoff charges are apportioned, it is first necessary to determine the total storm water runoff figure for each parcel in the City. This is accomplished by measuring pervious and impervious surface area for each parcel in the City and then assigning a runoff area value for each parcel using the following equation:

$$[\text{Impervious surface area} * 0.9] + [\text{pervious surface area} * 0.15] = \text{runoff area value}$$

The above formula takes into account that some of the rain that falls on impervious surfaces will run to a pervious area and infiltrate into the ground, and that pervious surfaces like turf lawns are not completely pervious and do run some storm water off into the sewers.

Table 1. Runoff Area Calculation – All Single Family Residential Parcels (Area in Square Feet)

	A. Total Parcel Area	B. Total Impervious Area	C. Total Pervious Area	D. Resulting Runoff Area
Single Family Residential Parcels	9,652,859	3,478,236	6,174,623	4,056,606

Once the runoff area value has been calculated for each parcel¹, we can determine the runoff area for the average single family residential parcel in the City. This value is the Equivalent Residential Unit value.

In Pleasant Ridge, there are 1,124 single family residential parcels with a total runoff area of 4,056,606 square feet. This means that the average single family residential unit has 3,609 square feet of runoff area. Thus, one Equivalent Residential Unit (or ERU) is 3,609 square feet of runoff area.

Table 2. Equivalent Residential Unit Dollar Value Calculation (Area in Square Feet)

	A. Number of Parcels	B. Total Runoff Area	C. Equivalent Residential Unit Value	Calculation Guide
Single Family Residential Parcels	1,124	4,056,606	3,609	B/A = C

There are 25 nonresidential, multiple family, and municipal parcels in the City with a total runoff area of 482,148 square feet. The calculation to determine how many nonresidential ERUs exist in the city is shown in the following table:

Table 3. Number of Total Non-Residential ERUs

	A. Total Runoff Area	B. Equivalent Residential Unit Value	C. Non-Single Family ERUs	Calculation Guide
Non-Single Family Residential Parcels	482,148	3,609	133.6	A/B = C

Given that there are 1,124 residential parcels in the City, the total ERU value for single family residential parcels is 1,124. Non-single family residential parcels have a total ERU value of 133.6, meaning that there are 1,124 Residential ERUs + 133.6 nonresidential ERUs = **1,257.6 total ERUs** in the City.

¹ Refer to the data tables in section 3.

2.2 Apportionment of Storm Water Runoff Charges

Each year the City is assessed a storm water runoff charge from Oakland County. This charge covers the cost of operations at the George W. Kuhn (GWK) combined sewer overflow (CSO) facility. During rain events storm water that enters the City’s sewer system is mixed with sanitary sewage, requiring treatment before it can be released to area waterways. On dry days, the City’s sanitary sewage flows south to Detroit for treatment, while during wet weather events the flow is diverted to the GWK facility for treatment. Thus, the City pays sanitary sewage treatment charges to the City of Detroit Water and Sewer Department (DWSD) for dry day flows and Oakland County for wet weather flows to the GWK facility.

In FY2015-16 Oakland County charged the City \$335,592 while DWSD charged the City \$207,111 for dry day flows. This means that using a proportional apportionment of storm water runoff charges based on ERUs, using FY2015-16 budget numbers each ERU would be equal to:

FY 2015-16 Storm Water User Charge for 1 ERU = \$335,592/1,257.6 = \$266.85.

If the ERU methodology were in place for the FY15-16 budget year, the annual fee charged to each water user would be based on their ERU value multiplied by \$266.85, which would be divided equally across the 6 annual bills. With the implementation of the ERU flat fee charge for storm water runoff, the water and sewer usage rate will be reduced because revenues from the usage rate will no longer be used to pay for storm water runoff charges. Based on FY15-16 rates, this would reduce the water and sewer usage rate by about \$36 per MCF of water used.

The \$266.85 figure will change each year based on the storm water runoff charge assessed to the City by Oakland County.

2.3 Equivalent Residential Unit Values by Residential Neighborhood

To this point the analysis has considered all single-family residential parcels as part of one group, arriving at an average runoff area value of 3,609 square feet for all single family residential parcels in the City. However, Pleasant Ridge has a wide variety of lot and house sizes which creates a disparity in the runoff value for residential lots in the various parts of the City.

In order to more accurately apportion ERUs across the City, this study uses assessor’s neighborhoods. For the purpose of creating tax assessments each year, the County Assessor has divided the City into 11 neighborhoods. Each of the assessor’s neighborhoods contain houses that are similar in terms of lot area and housing size.

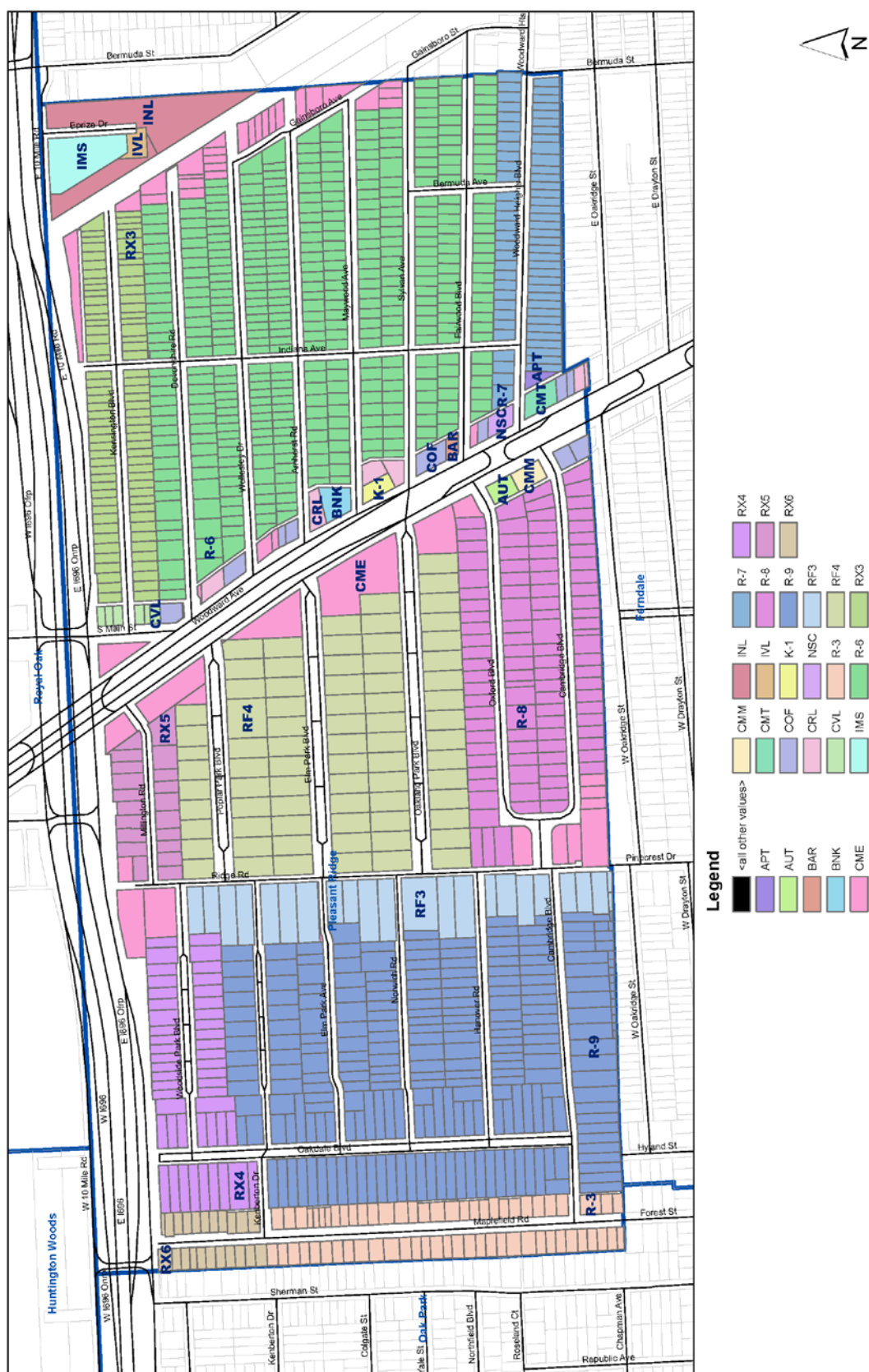
The ERU value assigned to each water user in each neighborhood area is determined by calculating the average runoff area for each of the 11 neighborhoods and then dividing that average by the ERU value of 3,609.

The following table summarizes the ERU value for each residential neighborhood. A neighborhood map is included on the page after the following table.

Table 4. ERU per Parcel by Residential Neighborhood

Neighborhood	Total Runoff Area of All Parcels (sq. ft.)	Parcels	Average Runoff Area Per Parcel (sq. ft.)		ERU Value (sq. ft.)		ERU per Parcel
R-3	173,718	63	2,757	/	3,609	=	0.76
R-6	1,184,389	423	2,800	/	3,609	=	0.78
R-7	185,358	65	2,852	/	3,609	=	0.79
R-8	405,731	94	4,316	/	3,609	=	1.20
R-9	885,710	209	4,238	/	3,609	=	1.17
RF3	167,299	20	8,365	/	3,609	=	2.32
RF4	520,174	75	6,936	/	3,609	=	1.92
RX3	217,743	86	2,532	/	3,609	=	0.70
RX4	187,459	48	3,905	/	3,609	=	1.08
RX5	76,118	20	3,806	/	3,609	=	1.05
RX6	52,906	21	2,519	/	3,609	=	0.70
TOTAL:	4,056,606	1,124	3,609	/	3,609	=	1.00

Figure 1. Pleasant Ridge Neighborhood Map (source: Oakland County Assessor)



2.4 Equivalent Residential Unit Values for Multiple Family and Nonresidential Parcels

The ERU value for multiple family and nonresidential parcels will be based on the actual runoff area value calculated for each parcel. The ERU value is determined by dividing the Runoff Area shown in Table 5 by 3,609 square feet.

Table 5. Nonresidential Parcel ERUs

Address	Runoff Area (sq. ft.)		ERU Value (sq. ft.)		ERU
400 E 10 Mile Road	38,442	/	3,609	=	10.65
404 E 10 Mile Road	71,864	/	3,609	=	19.91
660 E 10 Mile Road	147,658	/	3,609	=	40.91
23622 Woodward Avenue	8,155	/	3,609	=	2.26
23634 Woodward Avenue	4,077	/	3,609	=	1.13
23647 Woodward Avenue	5,716	/	3,609	=	1.58
23650 Woodward Avenue	6,116	/	3,609	=	1.69
23675 Woodward Avenue	6,107	/	3,609	=	1.69
23690 Woodward Avenue	16,156	/	3,609	=	4.48
23700 Woodward Avenue	11,949	/	3,609	=	3.31
23701 Woodward Avenue	14,422	/	3,609	=	4.00
23733 Woodward Avenue	12,619	/	3,609	=	3.50
23760 Woodward Avenue	4,224	/	3,609	=	1.17
23800 Woodward Avenue	12,463	/	3,609	=	3.45
23810 Woodward Avenue	5,478	/	3,609	=	1.52
23900 Woodward Avenue	9,412	/	3,609	=	2.61
23992 Woodward Avenue	8,742	/	3,609	=	2.42
24028 Woodward Avenue	28,948	/	3,609	=	8.02
24052 Woodward Avenue	9,933	/	3,609	=	2.75
24100 Woodward Avenue	4,626	/	3,609	=	1.28
24126 Woodward Avenue	2,856	/	3,609	=	0.79
24200 Woodward Avenue	8,597	/	3,609	=	2.38
24220 Woodward Avenue	9,267	/	3,609	=	2.57
24280 Woodward Avenue	30,235	/	3,609	=	8.38
6 Woodward Heights	4,086	/	3,609	=	1.13
TOTAL:	482,148	/	3,609	=	133.60

Please refer to Table 6 in the following section for the amount of total, impervious, and pervious area for each parcel. The impervious and pervious area are used to calculate the runoff area for each parcel.

3. Supplemental Information

3.1 Parcel Level Area and Impervious Surface – Raw Parcel Level Data

Table 6. Parcel Level Impervious Surface and Runoff Area

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
1 AMHERST RD	5,058.39	2,210.28	2,848.10	2,416.47	R-1C	R-6
10 AMHERST RD	6,487.21	3,283.48	3,203.73	3,435.69	R-1C	R-6
11 AMHERST RD	5,398.52	3,144.73	2,253.78	3,168.33	R-1C	R-6
12 AMHERST RD	6,514.41	2,638.03	3,876.38	2,955.68	R-1C	R-6
13 AMHERST RD	5,412.94	2,385.37	3,027.57	2,600.97	R-1C	R-6
14 AMHERST RD	6,541.57	2,169.52	4,372.05	2,608.38	R-1C	R-6
15 AMHERST RD	5,423.65	2,303.82	3,119.83	2,541.41	R-1C	R-6
16 AMHERST RD	6,568.74	2,647.77	3,920.97	2,971.14	R-1C	R-6
18 AMHERST RD	6,595.86	3,545.94	3,049.92	3,648.83	R-1C	R-6
22 AMHERST RD	6,623.08	1,666.11	4,956.97	2,243.04	R-1C	R-6
26 AMHERST RD	6,650.27	2,930.82	3,719.45	3,195.66	R-1C	R-6
3 AMHERST RD	4,273.40	2,518.23	1,755.17	2,529.68	R-1C	R-6
30 AMHERST RD	6,677.44	2,433.65	4,243.78	2,826.86	R-1C	R-6
34 AMHERST RD	6,704.64	1,469.97	5,234.67	2,108.17	R-1C	R-6
36 AMHERST RD	5,713.05	3,088.90	2,624.16	3,173.63	R-1C	R-6
38 AMHERST RD	5,465.74	1,899.06	3,566.68	2,244.16	R-1C	R-6
40 AMHERST RD	5,578.81	2,711.56	2,867.26	2,870.49	R-1C	R-6
42 AMHERST RD	5,592.85	2,993.77	2,599.08	3,084.25	R-1C	R-6
46 AMHERST RD	5,607.00	2,540.42	3,066.58	2,746.37	R-1C	R-6
48 AMHERST RD	6,747.02	2,597.67	4,149.36	2,960.30	R-1C	R-6
5 AMHERST RD	5,354.70	3,023.90	2,330.80	3,071.13	R-1C	R-6
50 AMHERST RD	4,509.34	2,231.74	2,277.60	2,350.20	R-1C	R-6
52 AMHERST RD	5,649.31	2,844.92	2,804.39	2,981.08	R-1C	R-6
56 AMHERST RD	5,663.41	2,377.81	3,285.60	2,632.87	R-1C	R-6
58 AMHERST RD	5,677.51	2,692.52	2,985.00	2,871.01	R-1C	R-6
60 AMHERST RD	5,691.59	2,826.42	2,865.17	2,973.55	R-1C	R-6
62 AMHERST RD	5,705.70	1,536.33	4,169.37	2,008.10	R-1C	R-6
64 AMHERST RD	5,719.86	2,957.93	2,761.93	3,076.43	R-1C	R-6
68 AMHERST RD	5,733.85	2,152.27	3,581.58	2,474.28	R-1C	R-6
7 AMHERST RD	5,369.35	2,544.51	2,824.84	2,713.79	R-1C	R-6
70 AMHERST RD	5,747.98	2,646.64	3,101.35	2,847.18	R-1C	R-6
72 AMHERST RD	5,762.09	2,567.24	3,194.86	2,789.74	R-1C	R-6
76 AMHERST RD	5,776.21	2,724.70	3,051.51	2,909.96	R-1C	R-6
78 AMHERST RD	5,790.30	2,853.75	2,936.55	3,008.86	R-1C	R-6
8 AMHERST RD	3,976.98	1,233.85	2,743.13	1,521.94	R-1C	R-6
80 AMHERST RD	5,804.38	2,654.75	3,149.63	2,861.72	R-1C	R-6
82 AMHERST RD	5,818.49	2,427.41	3,391.08	2,693.33	R-1C	R-6
86 AMHERST RD	5,832.51	2,011.33	3,821.18	2,383.37	R-1C	R-6
88 AMHERST RD	5,810.77	3,228.32	2,582.46	3,292.85	R-1C	R-6
9 AMHERST RD	5,383.82	2,177.44	3,206.38	2,440.65	R-1C	R-6
90 AMHERST RD	7,705.72	1,875.18	5,830.54	2,562.24	R-1C	R-6
17 AMHERST RD	4,352.64	2,456.15	1,896.49	2,495.01	R-1D	R-6

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
19 AMHERST RD	4,361.81	2,663.84	1,697.97	2,652.15	R-1D	R-6
21 AMHERST RD	4,371.27	2,704.78	1,666.50	2,684.27	R-1D	R-6
23 AMHERST RD	4,380.57	1,929.96	2,450.61	2,104.55	R-1D	R-6
25 AMHERST RD	4,389.83	2,878.68	1,511.15	2,817.48	R-1D	R-6
27 AMHERST RD	4,399.24	2,564.11	1,835.13	2,582.97	R-1D	R-6
29 AMHERST RD	4,408.62	3,205.40	1,203.23	3,065.34	R-1D	R-6
31 AMHERST RD	4,417.71	2,755.55	1,662.16	2,729.32	R-1D	R-6
33 AMHERST RD	4,423.06	1,884.82	2,538.25	2,077.07	R-1D	R-6
35 AMHERST RD	5,546.59	1,871.87	3,674.71	2,235.89	R-1D	R-6
37 AMHERST RD	4,495.26	1,815.27	2,679.99	2,035.74	R-1D	R-6
39 AMHERST RD	4,512.16	1,880.01	2,632.15	2,086.83	R-1D	R-6
41 AMHERST RD	4,522.18	2,262.68	2,259.51	2,375.33	R-1D	R-6
43 AMHERST RD	4,532.27	2,368.72	2,163.54	2,456.38	R-1D	R-6
45 AMHERST RD	4,542.05	2,541.43	2,000.62	2,587.38	R-1D	R-6
47 AMHERST RD	4,552.13	2,564.13	1,988.00	2,605.92	R-1D	R-6
49 AMHERST RD	4,562.16	2,792.49	1,769.68	2,778.69	R-1D	R-6
51 AMHERST RD	4,572.05	2,699.92	1,872.14	2,710.75	R-1D	R-6
53 AMHERST RD	4,582.09	2,716.49	1,865.60	2,724.68	R-1D	R-6
55 AMHERST RD	4,649.65	2,471.82	2,177.83	2,551.31	R-1D	R-6
57 AMHERST RD	4,543.67	2,603.53	1,940.15	2,634.20	R-1D	R-6
59 AMHERST RD	4,611.03	2,595.63	2,015.39	2,638.38	R-1D	R-6
61 AMHERST RD	4,621.17	2,608.74	2,012.43	2,649.73	R-1D	R-6
63 AMHERST RD	4,630.97	2,323.32	2,307.66	2,437.13	R-1D	R-6
65 AMHERST RD	4,641.09	2,915.47	1,725.61	2,882.77	R-1D	R-6
67 AMHERST RD	4,651.05	2,105.93	2,545.12	2,277.11	R-1D	R-6
69 AMHERST RD	4,660.97	2,536.26	2,124.71	2,601.34	R-1D	R-6
71 AMHERST RD	4,671.06	2,720.72	1,950.34	2,741.20	R-1D	R-6
73 AMHERST RD	4,680.91	2,342.20	2,338.71	2,458.79	R-1D	R-6
75 AMHERST RD	4,690.98	1,938.42	2,752.56	2,157.46	R-1D	R-6
77 AMHERST RD	4,700.97	1,771.79	2,929.18	2,033.99	R-1D	R-6
79 AMHERST RD	4,711.00	1,708.05	3,002.95	1,987.68	R-1D	R-6
81 AMHERST RD	4,720.94	1,901.72	2,819.22	2,134.43	R-1D	R-6
83 AMHERST RD	4,472.50	2,945.25	1,527.25	2,879.81	R-1D	R-6
85 AMHERST RD	11,523.27	2,473.30	9,049.97	3,583.46	R-1D	R-6
1 CAMBRIDGE BLVD	11,290.85	4,460.21	6,830.64	5,038.79	R-1C	R-8
10 CAMBRIDGE BLVD	9,424.92	3,528.56	5,896.36	4,060.16	R-1C	R-8
11 CAMBRIDGE BLVD	7,900.09	3,487.06	4,413.03	3,800.31	R-1C	R-8
13 CAMBRIDGE BLVD	8,660.92	3,829.63	4,831.29	4,171.36	R-1C	R-8
14 CAMBRIDGE BLVD	18,849.73	5,653.83	13,195.91	7,067.83	R-1C	R-8
15 CAMBRIDGE BLVD	17,641.46	2,375.79	15,265.67	4,428.06	R-1C	R-8
16 CAMBRIDGE BLVD	9,424.95	1,550.61	7,874.34	2,576.70	R-1C	R-8
18 CAMBRIDGE BLVD	9,424.93	3,517.45	5,907.48	4,051.83	R-1C	R-8
19 CAMBRIDGE BLVD	8,980.47	1,872.17	7,108.30	2,751.19	R-1C	R-8
2 CAMBRIDGE BLVD	8,874.84	2,582.70	6,292.14	3,268.25	R-1C	R-8
20 CAMBRIDGE BLVD	9,424.99	5,411.50	4,013.49	5,472.37	R-1C	R-8
22 CAMBRIDGE BLVD	6,767.35	2,021.95	4,745.40	2,531.57	R-1C	R-8
23 CAMBRIDGE BLVD	6,546.37	4,342.09	2,204.28	4,238.52	R-1C	R-8
24 CAMBRIDGE BLVD	17,847.76	4,187.67	13,660.09	5,817.91	R-1C	R-8
25 CAMBRIDGE BLVD	12,322.30	4,154.60	8,167.70	4,964.30	R-1C	R-8

3 Supplemental Information

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
28 CAMBRIDGE BLVD	8,845.17	3,990.07	4,855.10	4,319.33	R-1C	R-8
29 CAMBRIDGE BLVD	12,642.04	3,626.62	9,015.42	4,616.27	R-1C	R-8
3 CAMBRIDGE BLVD	9,700.74	3,914.45	5,786.29	4,390.95	R-1C	R-8
30 CAMBRIDGE BLVD	8,844.97	3,774.25	5,070.72	4,157.43	R-1C	R-8
31 CAMBRIDGE BLVD	8,382.65	3,939.06	4,443.59	4,211.70	R-1C	R-8
32 CAMBRIDGE BLVD	8,845.00	3,783.95	5,061.05	4,164.72	R-1C	R-8
33 CAMBRIDGE BLVD	8,346.27	3,108.48	5,237.79	3,583.30	R-1C	R-8
34 CAMBRIDGE BLVD	8,844.99	3,749.04	5,095.95	4,138.53	R-1C	R-8
35 CAMBRIDGE BLVD	8,313.36	3,801.18	4,512.18	4,097.89	R-1C	R-8
36 CAMBRIDGE BLVD	8,845.00	4,473.33	4,371.67	4,681.75	R-1C	R-8
37 CAMBRIDGE BLVD	8,273.34	4,075.13	4,198.21	4,297.35	R-1C	R-8
38 CAMBRIDGE BLVD	8,844.98	3,740.77	5,104.22	4,132.32	R-1C	R-8
39 CAMBRIDGE BLVD	8,236.88	3,683.28	4,553.60	3,997.99	R-1C	R-8
4 CAMBRIDGE BLVD	8,794.50	3,729.46	5,065.05	4,116.27	R-1C	R-8
40 CAMBRIDGE BLVD	8,845.04	4,027.15	4,817.89	4,347.12	R-1C	R-8
41 CAMBRIDGE BLVD	8,200.35	2,962.61	5,237.74	3,452.01	R-1C	R-8
42 CAMBRIDGE BLVD	8,845.28	4,575.33	4,269.95	4,758.29	R-1C	R-8
43 CAMBRIDGE BLVD	8,164.07	3,233.80	4,930.27	3,649.96	R-1C	R-8
44 CAMBRIDGE BLVD	8,844.95	3,847.27	4,997.68	4,212.20	R-1C	R-8
45 CAMBRIDGE BLVD	8,127.57	3,443.05	4,684.52	3,801.42	R-1C	R-8
46 CAMBRIDGE BLVD	8,844.86	3,811.92	5,032.93	4,185.67	R-1C	R-8
47 CAMBRIDGE BLVD	8,091.23	3,293.86	4,797.37	3,684.08	R-1C	R-8
48 CAMBRIDGE BLVD	8,845.14	3,632.84	5,212.31	4,051.40	R-1C	R-8
49 CAMBRIDGE BLVD	8,054.67	3,332.77	4,721.90	3,707.78	R-1C	R-8
5 CAMBRIDGE BLVD	8,094.87	3,196.18	4,898.69	3,611.37	R-1C	R-8
50 CAMBRIDGE BLVD	8,844.93	2,992.78	5,852.15	3,571.32	R-1C	R-8
52 CAMBRIDGE BLVD	8,844.96	4,075.97	4,768.99	4,383.72	R-1C	R-8
54 CAMBRIDGE BLVD	8,312.71	3,179.90	5,132.81	3,631.83	R-1C	R-8
6 CAMBRIDGE BLVD	8,280.93	3,621.39	4,659.55	3,958.18	R-1C	R-8
7 CAMBRIDGE BLVD	7,887.89	4,706.84	3,181.05	4,713.31	R-1C	R-8
8 CAMBRIDGE BLVD	8,919.76	3,285.40	5,634.36	3,802.02	R-1C	R-8
9 CAMBRIDGE BLVD	7,809.60	3,532.17	4,277.42	3,820.57	R-1C	R-8
101 CAMBRIDGE BLVD	10,563.68	3,658.16	6,905.52	4,328.17	R-1C	R-9
103 CAMBRIDGE BLVD	11,507.56	2,617.16	8,890.40	3,689.00	R-1C	R-9
104 CAMBRIDGE BLVD	13,046.09	3,514.69	9,531.40	4,592.93	R-1C	R-9
105 CAMBRIDGE BLVD	7,928.21	3,136.48	4,791.74	3,541.59	R-1C	R-9
106 CAMBRIDGE BLVD	8,758.85	3,535.48	5,223.38	3,965.44	R-1C	R-9
107 CAMBRIDGE BLVD	8,549.59	3,988.77	4,560.82	4,274.02	R-1C	R-9
108 CAMBRIDGE BLVD	8,811.40	3,980.33	4,831.07	4,306.96	R-1C	R-9
109 CAMBRIDGE BLVD	13,205.90	3,390.48	9,815.42	4,523.75	R-1C	R-9
110 CAMBRIDGE BLVD	8,863.81	4,218.85	4,644.96	4,493.71	R-1C	R-9
111 CAMBRIDGE BLVD	14,568.43	3,005.41	11,563.02	4,439.32	R-1C	R-9
112 CAMBRIDGE BLVD	8,916.54	4,237.39	4,679.15	4,515.52	R-1C	R-9
114 CAMBRIDGE BLVD	8,968.99	2,963.32	6,005.67	3,567.84	R-1C	R-9
115 CAMBRIDGE BLVD	16,737.26	4,589.51	12,147.75	5,952.72	R-1C	R-9
116 CAMBRIDGE BLVD	9,021.56	2,792.32	6,229.25	3,447.47	R-1C	R-9
117 CAMBRIDGE BLVD	17,589.32	3,495.45	14,093.87	5,259.99	R-1C	R-9
118 CAMBRIDGE BLVD	9,074.00	3,557.02	5,516.98	4,028.87	R-1C	R-9
120 CAMBRIDGE BLVD	9,126.22	2,688.54	6,437.68	3,385.34	R-1C	R-9

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
121 CAMBRIDGE BLVD	17,589.14	4,763.57	12,825.57	6,211.05	R-1C	R-9
122 CAMBRIDGE BLVD	9,179.07	3,926.99	5,252.08	4,322.10	R-1C	R-9
124 CAMBRIDGE BLVD	9,231.77	3,908.17	5,323.61	4,315.89	R-1C	R-9
125 CAMBRIDGE BLVD	17,589.02	4,162.63	13,426.40	5,760.33	R-1C	R-9
126 CAMBRIDGE BLVD	9,284.65	5,304.72	3,979.93	5,371.24	R-1C	R-9
127 CAMBRIDGE BLVD	18,776.62	3,780.05	14,996.57	5,651.53	R-1C	R-9
128 CAMBRIDGE BLVD	9,336.34	1,830.19	7,506.15	2,773.09	R-1C	R-9
130 CAMBRIDGE BLVD	14,098.59	5,930.77	8,167.82	6,562.86	R-1C	R-9
131 CAMBRIDGE BLVD	18,547.00	3,447.75	15,099.24	5,367.87	R-1C	R-9
132 CAMBRIDGE BLVD	14,227.84	3,942.46	10,285.38	5,091.02	R-1C	R-9
133 CAMBRIDGE BLVD	18,452.66	1,694.39	16,758.27	4,038.69	R-1C	R-9
134 CAMBRIDGE BLVD	7,733.66	2,571.50	5,162.16	3,088.68	R-1C	R-9
135 CAMBRIDGE BLVD	17,843.24	5,984.05	11,859.19	7,164.53	R-1C	R-9
137 CAMBRIDGE BLVD	11,959.81	3,653.36	8,306.44	4,533.99	R-1C	R-9
139 CAMBRIDGE BLVD	10,662.09	2,862.75	7,799.33	3,746.38	R-1C	R-9
141 CAMBRIDGE BLVD	10,576.35	3,498.70	7,077.65	4,210.48	R-1C	R-9
143 CAMBRIDGE BLVD	10,610.28	3,809.15	6,801.13	4,448.40	R-1C	R-9
145 CAMBRIDGE BLVD	10,644.91	3,739.32	6,905.59	4,401.22	R-1C	R-9
146 CAMBRIDGE BLVD	11,647.24	2,637.42	9,009.83	3,725.15	R-1C	R-9
147 CAMBRIDGE BLVD	10,678.61	2,833.58	7,845.04	3,726.97	R-1C	R-9
149 CAMBRIDGE BLVD	10,712.99	3,942.06	6,770.93	4,563.50	R-1C	R-9
150 CAMBRIDGE BLVD	9,188.90	3,575.32	5,613.58	4,059.82	R-1C	R-9
151 CAMBRIDGE BLVD	10,747.41	3,057.44	7,689.97	3,905.19	R-1C	R-9
153 CAMBRIDGE BLVD	10,581.76	4,309.79	6,271.97	4,819.60	R-1C	R-9
155 CAMBRIDGE BLVD	10,498.96	2,658.76	7,840.21	3,568.91	R-1C	R-3
1 DEVONSHIRE RD	6,691.59	3,986.31	2,705.28	3,993.47	R-1C	R-6
1 DEVONSHIRE RD # A	6,691.64	3,021.25	3,670.39	3,269.68	R-1C	R-6
13 DEVONSHIRE RD	8,029.92	3,313.99	4,715.94	3,689.98	R-1C	R-6
14 DEVONSHIRE RD	8,129.53	3,132.74	4,996.79	3,568.99	R-1C	R-6
15 DEVONSHIRE RD	8,029.88	3,432.22	4,597.66	3,778.64	R-1C	R-6
16 DEVONSHIRE RD	8,121.09	2,715.92	5,405.17	3,255.11	R-1C	R-6
17 DEVONSHIRE RD	8,029.85	3,452.48	4,577.37	3,793.84	R-1C	R-6
18 DEVONSHIRE RD	8,112.82	2,139.75	5,973.08	2,821.73	R-1C	R-6
19 DEVONSHIRE RD	6,691.53	3,468.58	3,222.95	3,605.16	R-1C	R-6
20 DEVONSHIRE RD	6,754.20	2,872.27	3,881.93	3,167.33	R-1C	R-6
21 DEVONSHIRE RD	6,691.63	2,831.37	3,860.26	3,127.27	R-1C	R-6
22 DEVONSHIRE RD	6,748.52	3,253.31	3,495.22	3,452.26	R-1C	R-6
23 DEVONSHIRE RD	6,691.58	2,514.18	4,177.40	2,889.37	R-1C	R-6
24 DEVONSHIRE RD	6,742.53	2,843.10	3,899.43	3,143.70	R-1C	R-6
25 DEVONSHIRE RD	6,691.64	3,582.68	3,108.97	3,690.75	R-1C	R-6
26 DEVONSHIRE RD	6,736.80	3,076.53	3,660.27	3,317.92	R-1C	R-6
27 DEVONSHIRE RD	6,691.54	2,422.64	4,268.91	2,820.71	R-1C	R-6
28 DEVONSHIRE RD	6,730.87	2,951.12	3,779.75	3,222.97	R-1C	R-6
29 DEVONSHIRE RD	6,691.64	2,951.29	3,740.35	3,217.21	R-1C	R-6
30 DEVONSHIRE RD	6,725.11	3,918.04	2,807.07	3,947.29	R-1C	R-6
31 DEVONSHIRE RD	6,691.56	3,154.92	3,536.64	3,369.93	R-1C	R-6
32 DEVONSHIRE RD	6,719.40	2,960.97	3,758.43	3,228.63	R-1C	R-6
33 DEVONSHIRE RD	5,353.29	1,827.44	3,525.85	2,173.58	R-1C	R-6
34 DEVONSHIRE RD	5,371.23	1,369.17	4,002.07	1,832.56	R-1C	R-6

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ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
35 DEVONSHIRE RD	5,017.30	2,222.69	2,794.61	2,419.61	R-1C	R-6
36 DEVONSHIRE RD	6,708.04	2,133.16	4,574.88	2,606.08	R-1C	R-6
37 DEVONSHIRE RD	5,353.31	2,552.45	2,800.86	2,717.33	R-1C	R-6
38 DEVONSHIRE RD	6,693.64	2,540.28	4,153.36	2,909.26	R-1C	R-6
39 DEVONSHIRE RD	6,691.67	2,495.00	4,196.67	2,875.00	R-1C	R-6
41 DEVONSHIRE RD	6,691.53	3,329.94	3,361.59	3,501.18	R-1C	R-6
42 DEVONSHIRE RD	6,688.07	3,127.96	3,560.12	3,349.18	R-1C	R-6
43 DEVONSHIRE RD	6,691.66	2,918.19	3,773.47	3,192.39	R-1C	R-6
44 DEVONSHIRE RD	6,682.52	2,299.46	4,383.06	2,726.98	R-1C	R-6
45 DEVONSHIRE RD	6,691.54	2,851.30	3,840.25	3,142.21	R-1C	R-6
46 DEVONSHIRE RD	6,676.35	3,419.48	3,256.87	3,566.06	R-1C	R-6
47 DEVONSHIRE RD	6,691.79	2,715.48	3,976.31	3,040.38	R-1C	R-6
48 DEVONSHIRE RD	6,670.56	2,876.25	3,794.31	3,157.77	R-1C	R-6
51 DEVONSHIRE RD	6,691.43	3,726.20	2,965.23	3,798.36	R-1C	R-6
52 DEVONSHIRE RD	6,665.16	2,575.76	4,089.41	2,931.59	R-1C	R-6
54 DEVONSHIRE RD	6,659.47	2,055.84	4,603.63	2,540.80	R-1C	R-6
55 DEVONSHIRE RD	6,691.62	2,137.39	4,554.23	2,606.79	R-1C	R-6
56 DEVONSHIRE RD	6,653.33	2,428.49	4,224.84	2,819.37	R-1C	R-6
57 DEVONSHIRE RD	6,691.62	2,582.05	4,109.56	2,940.28	R-1C	R-6
58 DEVONSHIRE RD	6,647.67	1,369.68	5,277.99	2,024.41	R-1C	R-6
59 DEVONSHIRE RD	6,691.51	3,154.18	3,537.33	3,369.36	R-1C	R-6
61 DEVONSHIRE RD	6,691.56	2,762.93	3,928.62	3,075.93	R-1C	R-6
62 DEVONSHIRE RD	6,642.22	3,370.27	3,271.94	3,524.04	R-1C	R-6
64 DEVONSHIRE RD	6,636.47	3,048.78	3,587.70	3,282.05	R-1C	R-6
65 DEVONSHIRE RD	6,691.68	3,098.07	3,593.61	3,327.30	R-1C	R-6
66 DEVONSHIRE RD	6,630.40	2,895.06	3,735.34	3,165.86	R-1C	R-6
67 DEVONSHIRE RD	6,691.57	3,794.42	2,897.14	3,849.55	R-1C	R-6
68 DEVONSHIRE RD	6,624.89	2,597.32	4,027.57	2,941.73	R-1C	R-6
69 DEVONSHIRE RD	6,691.62	2,337.58	4,354.04	2,756.93	R-1C	R-6
7 DEVONSHIRE RD # A	6,691.56	3,059.79	3,631.77	3,298.57	R-1A	R-6
71 DEVONSHIRE RD	6,691.65	1,638.92	5,052.73	2,232.94	R-1C	R-6
72 DEVONSHIRE RD	6,619.01	2,931.61	3,687.39	3,191.56	R-1C	R-6
74 DEVONSHIRE RD	6,613.45	2,713.33	3,900.12	3,027.01	R-1C	R-6
10 DEVONSHIRE RD	13,591.26	4,900.74	8,690.52	5,714.24	R-1A	R-6
11 A DEVONSHIRE RD	6,691.47	3,454.81	3,236.66	3,594.82	R-1A	R-6
11 DEVONSHIRE RD	6,691.59	3,452.09	3,239.50	3,592.80	R-1A	R-6
12 DEVONSHIRE RD	13,567.83	4,484.32	9,083.51	5,398.42	R-1A	R-6
3 DEVONSHIRE RD	13,383.07	2,973.31	10,409.77	4,237.44	R-1A	R-6
4 DEVONSHIRE RD	10,466.73	2,781.38	7,685.34	3,656.05	R-1A	R-6
5 DEVONSHIRE RD	13,383.11	2,778.33	10,604.79	4,091.21	R-1A	R-6
6 DEVONSHIRE RD	13,637.74	3,814.89	9,822.85	4,906.83	R-1A	R-6
7 DEVONSHIRE RD	6,691.58	2,737.39	3,954.19	3,056.78	R-1A	R-6
8 DEVONSHIRE RD	13,614.30	2,395.56	11,218.74	3,838.81	R-1A	R-6
9 DEVONSHIRE RD	13,383.13	2,985.47	10,397.66	4,246.57	R-1A	R-6
10 ELM PARK BLVD	19,999.50	4,681.83	15,317.67	6,511.30	R-1A	RF4
11 ELM PARK BLVD	20,000.10	3,609.24	16,390.86	5,706.95	R-1A	RF4
12 ELM PARK BLVD	19,999.47	3,938.63	16,060.84	5,953.89	R-1A	RF4
13 ELM PARK BLVD	19,999.99	3,950.27	16,049.72	5,962.70	R-1A	RF4
14 ELM PARK BLVD	19,999.48	5,754.28	14,245.20	7,315.63	R-1A	RF4

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
15 ELM PARK BLVD	20,000.00	5,564.17	14,435.83	7,173.13	R-1A	RF4
16 ELM PARK BLVD	19,997.39	4,243.06	15,754.32	6,181.91	R-1A	RF4
17 ELM PARK BLVD	20,000.03	4,458.77	15,541.26	6,344.08	R-1A	RF4
18 ELM PARK BLVD	19,998.74	4,674.33	15,324.41	6,505.56	R-1A	RF4
19 ELM PARK BLVD	20,000.07	6,045.60	13,954.46	7,534.21	R-1A	RF4
20 ELM PARK BLVD	19,999.99	4,055.20	15,944.79	6,041.40	R-1A	RF4
21 ELM PARK BLVD	19,999.99	6,926.91	13,073.08	8,195.18	R-1A	RF4
22 ELM PARK BLVD	19,999.96	5,449.84	14,550.12	7,087.38	R-1A	RF4
23 ELM PARK BLVD	19,999.99	8,002.18	11,997.82	9,001.63	R-1A	RF4
24 ELM PARK BLVD	19,999.98	4,275.61	15,724.37	6,206.70	R-1A	RF4
25 ELM PARK BLVD	19,999.99	2,901.82	17,098.16	5,176.37	R-1A	RF4
26 ELM PARK BLVD	20,000.07	5,849.96	14,150.11	7,387.48	R-1A	RF4
27 ELM PARK BLVD	20,000.17	7,969.23	12,030.95	8,976.95	R-1A	RF4
28 ELM PARK BLVD	20,000.13	5,639.58	14,360.55	7,229.70	R-1A	RF4
29 ELM PARK BLVD	19,999.82	6,783.36	13,216.47	8,087.49	R-1A	RF4
30 ELM PARK BLVD	19,999.82	7,530.49	12,469.33	8,647.84	R-1A	RF4
31 ELM PARK BLVD	19,999.74	5,742.56	14,257.18	7,306.88	R-1A	RF4
32 ELM PARK BLVD	19,999.84	4,445.37	15,554.47	6,334.00	R-1A	RF4
7 ELM PARK BLVD	19,838.71	3,947.00	15,891.71	5,936.06	R-1A	RF4
9 ELM PARK BLVD	20,234.53	4,423.69	15,810.84	6,352.95	R-1A	RF4
101 ELM PARK AVE	9,927.43	2,641.81	7,285.63	3,470.47	R-1B	R-9
102 ELM PARK AVE	8,099.89	3,918.88	4,181.01	4,154.15	R-1B	R-9
104 ELM PARK AVE	6,749.98	3,192.53	3,557.45	3,406.89	R-1B	R-9
105 ELM PARK AVE	10,314.37	3,568.42	6,745.96	4,223.47	R-1B	R-9
106 ELM PARK AVE	13,500.06	3,142.23	10,357.83	4,381.68	R-1B	R-9
107 ELM PARK AVE	11,796.44	3,490.28	8,306.16	4,387.18	R-1B	R-9
110 ELM PARK AVE	6,749.85	2,846.96	3,902.89	3,147.70	R-1B	R-9
111 ELM PARK AVE	11,777.99	3,321.74	8,456.25	4,258.00	R-1B	R-9
112 ELM PARK AVE	10,123.87	3,608.08	6,515.80	4,224.64	R-1B	R-9
115 ELM PARK AVE	15,671.31	3,406.24	12,265.07	4,905.38	R-1B	R-9
116 ELM PARK AVE	16,875.89	4,692.18	12,183.71	6,050.52	R-1B	R-9
117 ELM PARK AVE	11,729.02	3,597.76	8,131.25	4,457.68	R-1B	R-9
120 ELM PARK AVE	6,750.05	3,682.40	3,067.66	3,774.30	R-1B	R-9
121 ELM PARK AVE	11,707.70	5,040.98	6,666.72	5,536.89	R-1B	R-9
122 ELM PARK AVE	6,750.02	3,185.10	3,564.92	3,401.33	R-1B	R-9
123 ELM PARK AVE	7,793.19	3,262.42	4,530.78	3,615.79	R-1B	R-9
125 ELM PARK AVE	7,774.12	3,298.16	4,475.97	3,639.74	R-1B	R-9
126 ELM PARK AVE	13,499.89	4,087.24	9,412.65	5,090.42	R-1B	R-9
127 ELM PARK AVE	7,619.44	4,409.92	3,209.51	4,450.36	R-1B	R-9
128 ELM PARK AVE	6,872.34	3,770.53	3,101.81	3,858.75	R-1B	R-9
129 ELM PARK AVE	6,888.25	3,148.88	3,739.37	3,394.90	R-1B	R-9
130 ELM PARK AVE	7,594.23	3,123.48	4,470.75	3,481.74	R-1B	R-9
131 ELM PARK AVE	10,038.77	3,285.83	6,752.93	3,970.19	R-1C	R-9
132 ELM PARK AVE	7,481.00	3,120.69	4,360.31	3,462.67	R-1C	R-9
134 ELM PARK AVE	7,478.83	2,841.79	4,637.05	3,253.16	R-1C	R-9
99 ELM PARK AVE	15,122.56	3,348.24	11,774.32	4,779.56	R-1A	R-9
1 FAIRWOOD BLVD	5,677.83	2,470.21	3,207.62	2,704.33	R-1C	R-6
10 FAIRWOOD BLVD	6,523.79	3,181.53	3,342.26	3,364.72	R-1C	R-6
11 FAIRWOOD BLVD	6,588.12	2,819.40	3,768.73	3,102.77	R-1C	R-6

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ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
12 FAIRWOOD BLVD	6,538.54	2,848.89	3,689.65	3,117.45	R-1C	R-6
13 FAIRWOOD BLVD	6,250.64	2,126.43	4,124.22	2,532.42	R-1C	R-6
14 FAIRWOOD BLVD	6,919.64	2,277.47	4,642.17	2,746.05	R-1C	R-6
15 FAIRWOOD BLVD	6,010.97	2,105.79	3,905.18	2,480.99	R-1C	R-6
16 FAIRWOOD BLVD	5,171.86	1,911.88	3,259.98	2,209.69	R-1C	R-6
17 FAIRWOOD BLVD	5,575.91	2,867.56	2,708.35	2,987.06	R-1C	R-6
18 FAIRWOOD BLVD	5,551.42	3,206.74	2,344.67	3,237.77	R-1C	R-6
19 FAIRWOOD BLVD	5,594.85	1,118.36	4,476.49	1,678.00	R-1C	R-6
20 FAIRWOOD BLVD	5,562.81	1,925.18	3,637.63	2,278.30	R-1C	R-6
21 FAIRWOOD BLVD	5,613.80	2,440.70	3,173.10	2,672.60	R-1C	R-6
22 FAIRWOOD BLVD	5,571.68	3,637.04	1,934.64	3,563.53	R-1C	R-6
23 FAIRWOOD BLVD	5,632.86	2,475.07	3,157.79	2,701.23	R-1C	R-6
24 FAIRWOOD BLVD	5,580.82	2,512.25	3,068.57	2,721.31	R-1C	R-6
25 FAIRWOOD BLVD	5,651.86	2,233.48	3,418.38	2,522.89	R-1C	R-6
26 FAIRWOOD BLVD	5,590.00	2,827.04	2,762.97	2,958.78	R-1C	R-6
27 FAIRWOOD BLVD	5,670.89	2,364.98	3,305.91	2,624.37	R-1C	R-6
28 FAIRWOOD BLVD	5,598.88	2,128.99	3,469.89	2,436.57	R-1C	R-6
29 FAIRWOOD BLVD	5,689.92	2,737.39	2,952.52	2,906.53	R-1C	R-6
3 FAIRWOOD BLVD	6,455.46	3,541.24	2,914.22	3,624.25	R-1C	R-6
30 FAIRWOOD BLVD	5,608.04	2,227.77	3,380.27	2,512.04	R-1C	R-6
31 FAIRWOOD BLVD	5,708.89	2,607.22	3,101.67	2,811.75	R-1C	R-6
32 FAIRWOOD BLVD	5,617.09	2,605.70	3,011.39	2,796.84	R-1C	R-6
33 FAIRWOOD BLVD	5,727.92	2,519.16	3,208.75	2,748.56	R-1C	R-6
34 FAIRWOOD BLVD	5,626.22	2,354.64	3,271.58	2,609.91	R-1C	R-6
35 FAIRWOOD BLVD	5,746.95	2,544.63	3,202.32	2,770.52	R-1C	R-6
36 FAIRWOOD BLVD	5,635.24	3,001.87	2,633.37	3,096.69	R-1C	R-6
37 FAIRWOOD BLVD	5,765.93	2,420.19	3,345.74	2,680.03	R-1C	R-6
38 FAIRWOOD BLVD	5,644.31	1,616.77	4,027.54	2,059.23	R-1C	R-6
39 FAIRWOOD BLVD	5,784.94	2,543.51	3,241.43	2,775.37	R-1C	R-6
4 FAIRWOOD BLVD	3,084.08	747.09	2,336.99	1,022.93	R-1C	R-6
40 FAIRWOOD BLVD	5,653.37	1,891.45	3,761.92	2,266.60	R-1C	R-6
41 FAIRWOOD BLVD	5,812.63	1,656.64	4,155.99	2,114.37	R-1C	R-6
42 FAIRWOOD BLVD	5,662.39	2,683.51	2,978.87	2,861.99	R-1C	R-6
43 FAIRWOOD BLVD	5,335.78	2,084.51	3,251.27	2,363.75	R-1C	R-6
44 FAIRWOOD BLVD	6,045.38	1,666.44	4,378.94	2,156.64	R-1C	R-6
45 FAIRWOOD BLVD	6,198.06	2,167.17	4,030.89	2,555.09	R-1C	R-6
46 FAIRWOOD BLVD	5,453.05	1,653.38	3,799.67	2,057.99	R-1C	R-6
47 FAIRWOOD BLVD	5,877.12	2,648.80	3,228.32	2,868.17	R-1C	R-6
48 FAIRWOOD BLVD	5,863.64	3,102.36	2,761.28	3,206.31	R-1C	R-6
49 FAIRWOOD BLVD	5,892.45	2,661.90	3,230.55	2,880.29	R-1C	R-6
5 FAIRWOOD BLVD	6,488.60	2,751.99	3,736.61	3,037.28	R-1C	R-6
50 FAIRWOOD BLVD	5,878.49	2,873.62	3,004.88	3,036.99	R-1C	R-6
51 FAIRWOOD BLVD	5,907.89	2,215.82	3,692.07	2,548.05	R-1C	R-6
52 FAIRWOOD BLVD	5,892.71	2,676.57	3,216.14	2,891.34	R-1C	R-6
53 FAIRWOOD BLVD	5,923.21	2,742.81	3,180.40	2,945.59	R-1C	R-6
54 FAIRWOOD BLVD	5,906.64	2,952.43	2,954.21	3,100.32	R-1C	R-6
55 FAIRWOOD BLVD	5,938.47	3,421.10	2,517.38	3,456.60	R-1C	R-6
56 FAIRWOOD BLVD	5,920.72	2,724.49	3,196.23	2,931.48	R-1C	R-6
57 FAIRWOOD BLVD	5,953.96	1,543.76	4,410.20	2,050.91	R-1C	R-6

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
58 FAIRWOOD BLVD	5,934.82	3,163.62	2,771.20	3,262.93	R-1C	R-6
59 FAIRWOOD BLVD	5,969.09	2,876.34	3,092.75	3,052.62	R-1C	R-6
6 FAIRWOOD BLVD	6,436.01	2,846.62	3,589.39	3,100.37	R-1C	R-6
60 FAIRWOOD BLVD	5,948.81	1,730.66	4,218.15	2,190.32	R-1C	R-6
61 FAIRWOOD BLVD	5,984.42	2,133.14	3,851.29	2,497.52	R-1C	R-6
62 FAIRWOOD BLVD	5,963.01	2,924.07	3,038.95	3,087.50	R-1C	R-6
63 FAIRWOOD BLVD	5,999.77	3,374.53	2,625.24	3,430.86	R-1C	R-6
64 FAIRWOOD BLVD	5,976.94	2,888.66	3,088.28	3,063.03	R-1C	R-6
65 FAIRWOOD BLVD	4,928.12	1,808.09	3,120.03	2,095.29	R-1C	R-6
66 FAIRWOOD BLVD	5,990.97	1,862.05	4,128.92	2,295.18	R-1C	R-6
7 FAIRWOOD BLVD	6,521.76	2,028.00	4,493.76	2,499.27	R-1C	R-6
8 FAIRWOOD BLVD	6,509.01	2,483.25	4,025.76	2,838.79	R-1C	R-6
9 FAIRWOOD BLVD	6,554.97	2,844.36	3,710.61	3,116.51	R-1C	R-6
1 HANOVER RD	7,935.71	2,939.43	4,996.27	3,394.93	R-1C	R-9
10 HANOVER RD	9,249.85	3,008.10	6,241.75	3,643.56	R-1C	R-9
11 HANOVER RD	8,038.51	2,051.07	5,987.44	2,744.08	R-1C	R-9
12 HANOVER RD	9,250.09	3,028.54	6,221.55	3,658.92	R-1C	R-9
13 HANOVER RD	8,059.31	3,475.39	4,583.92	3,815.44	R-1C	R-9
14 HANOVER RD	9,249.95	2,069.30	7,180.65	2,939.47	R-1C	R-9
15 HANOVER RD	8,080.09	2,833.52	5,246.57	3,337.15	R-1C	R-9
16 HANOVER RD	9,250.07	3,199.90	6,050.17	3,787.43	R-1C	R-9
17 HANOVER RD	11,347.15	2,282.03	9,065.12	3,413.60	R-1C	R-9
18 HANOVER RD	7,399.96	4,155.70	3,244.26	4,226.77	R-1D	R-9
20 HANOVER RD	7,400.15	3,678.83	3,721.32	3,869.15	R-1D	R-9
21 HANOVER RD	9,758.39	2,230.59	7,527.79	3,136.70	R-1D	R-9
22 HANOVER RD	7,399.94	2,011.27	5,388.68	2,618.44	R-1D	R-9
23 HANOVER RD	6,522.22	3,225.95	3,296.27	3,397.79	R-1D	R-9
24 HANOVER RD	11,099.83	3,872.48	7,227.35	4,569.33	R-1D	R-9
25 HANOVER RD	6,535.48	3,719.44	2,816.04	3,769.90	R-1D	R-9
27 HANOVER RD	6,548.82	3,296.56	3,252.26	3,454.74	R-1D	R-9
28 HANOVER RD	14,800.10	3,054.40	11,745.70	4,510.82	R-1D	R-9
29 HANOVER RD	6,562.07	3,321.11	3,240.96	3,475.14	R-1D	R-9
3 HANOVER RD	7,955.41	2,267.30	5,688.11	2,893.79	R-1C	R-9
31 HANOVER RD	6,575.37	2,850.47	3,724.89	3,124.16	R-1D	R-9
32 HANOVER RD	11,100.02	3,135.27	7,964.74	4,016.46	R-1D	R-9
33 HANOVER RD	6,588.60	3,396.10	3,192.50	3,535.37	R-1D	R-9
34 HANOVER RD	7,399.93	3,547.93	3,852.00	3,770.94	R-1D	R-9
35 HANOVER RD	6,602.07	2,880.92	3,721.15	3,151.00	R-1D	R-9
36 HANOVER RD	7,400.11	3,178.56	4,221.55	3,493.93	R-1D	R-9
37 HANOVER RD	6,615.04	1,699.50	4,915.54	2,266.88	R-1D	R-9
38 HANOVER RD	11,182.12	2,832.62	8,349.50	3,801.78	R-1C	R-9
39 HANOVER RD	7,349.29	2,545.38	4,803.91	3,011.43	R-1C	R-9
4 HANOVER RD	9,249.73	3,074.41	6,175.32	3,693.27	R-1C	R-9
5 HANOVER RD	7,976.18	1,974.68	6,001.50	2,677.44	R-1C	R-9
6 HANOVER RD	9,249.93	3,523.68	5,726.26	4,030.25	R-1C	R-9
7 HANOVER RD	7,997.03	3,515.72	4,481.31	3,836.34	R-1C	R-9
8 HANOVER RD	9,250.10	3,460.96	5,789.14	3,983.23	R-1C	R-9
9 HANOVER RD	8,017.73	3,946.23	4,071.50	4,162.33	R-1C	R-9
1 KENBERTON DR	12,802.52	3,262.79	9,539.72	4,367.47	R-1B	R-9

3 Supplemental Information

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
10 KENBERTON DR	12,001.45	3,623.22	8,378.23	4,517.63	R-1B	R-9
11 KENBERTON DR	12,000.96	5,268.58	6,732.38	5,751.58	R-1B	R-9
12 KENBERTON DR	12,001.08	4,963.36	7,037.72	5,522.68	R-1B	R-9
124 KENBERTON DR	6,600.09	2,652.91	3,947.18	2,979.69	R-1C	RX6
14 KENBERTON DR	12,000.68	3,675.94	8,324.73	4,557.06	R-1B	R-9
15 KENBERTON DR	12,000.84	3,336.51	8,664.33	4,302.50	R-1B	R-9
16 KENBERTON DR	12,000.36	4,078.88	7,921.48	4,859.21	R-1B	R-9
17 KENBERTON DR	12,000.12	6,663.23	5,336.89	6,797.44	R-1B	R-9
18 KENBERTON DR	12,000.17	4,312.49	7,687.68	5,034.39	R-1B	R-9
19 KENBERTON DR	12,000.20	3,809.08	8,191.12	4,656.84	R-1B	R-9
2 KENBERTON DR	12,802.51	4,564.52	8,237.98	5,343.77	R-1B	R-9
20 KENBERTON DR	11,999.86	4,593.26	7,406.60	5,244.92	R-1B	R-9
21 KENBERTON DR	11,999.79	5,279.40	6,720.39	5,759.51	R-1B	R-9
22 KENBERTON DR	13,649.96	2,583.28	11,066.68	3,984.95	R-1C	R-9
23 KENBERTON DR	12,678.29	4,032.85	8,645.44	4,926.38	R-1C	R-9
3 KENBERTON DR	12,802.44	4,074.87	8,727.56	4,976.52	R-1B	R-9
4 KENBERTON DR	12,802.71	3,638.54	9,164.17	4,649.31	R-1B	R-9
5 KENBERTON DR	12,001.72	3,965.84	8,035.88	4,774.64	R-1B	R-9
6 KENBERTON DR	12,002.03	3,762.15	8,239.88	4,621.91	R-1B	R-9
7 KENBERTON DR	12,001.49	4,627.70	7,373.79	5,271.00	R-1B	R-9
8 KENBERTON DR	12,001.57	4,461.91	7,539.66	5,146.67	R-1B	R-9
9 KENBERTON DR	12,001.37	4,033.89	7,967.48	4,825.62	R-1B	R-9
100 KENSINGTON BLVD	3,876.21	2,447.65	1,428.57	2,417.17	R-1D	RX3
102 KENSINGTON BLVD	3,876.24	2,521.84	1,354.40	2,472.81	R-1D	RX3
104 KENSINGTON BLVD	3,876.25	2,582.29	1,293.96	2,518.16	R-1D	RX3
19 KENSINGTON BLVD	5,160.15	1,742.47	3,417.67	2,080.88	R-1D	RX3
20 KENSINGTON BLVD	5,159.99	1,241.84	3,918.15	1,705.38	R-1D	RX3
21 KENSINGTON BLVD	5,160.09	2,911.55	2,248.55	2,957.67	R-1D	RX3
22 KENSINGTON BLVD	5,160.05	1,524.28	3,635.77	1,917.22	R-1D	RX3
23 KENSINGTON BLVD	5,160.11	2,619.55	2,540.55	2,738.68	R-1D	RX3
24 KENSINGTON BLVD	5,160.04	2,968.26	2,191.78	3,000.20	R-1D	RX3
25 KENSINGTON BLVD	5,160.15	2,396.49	2,763.66	2,571.39	R-1D	RX3
26 KENSINGTON BLVD	5,160.10	2,665.40	2,494.70	2,773.07	R-1D	RX3
27 KENSINGTON BLVD	5,160.21	3,041.29	2,118.92	3,055.00	R-1D	RX3
28 KENSINGTON BLVD	5,160.11	2,820.44	2,339.67	2,889.34	R-1D	RX3
29 KENSINGTON BLVD	5,160.15	3,091.31	2,068.85	3,092.50	R-1D	RX3
30 KENSINGTON BLVD	5,160.04	2,635.13	2,524.91	2,750.36	R-1D	RX3
31 KENSINGTON BLVD	5,160.17	2,256.73	2,903.44	2,466.57	R-1D	RX3
32 KENSINGTON BLVD	5,159.98	2,311.21	2,848.77	2,507.40	R-1D	RX3
33 KENSINGTON BLVD	5,160.08	2,945.85	2,214.23	2,983.40	R-1D	RX3
34 KENSINGTON BLVD	5,159.98	2,902.51	2,257.48	2,950.88	R-1D	RX3
36 KENSINGTON BLVD	5,160.06	1,179.39	3,980.67	1,658.55	R-1D	RX3
37 KENSINGTON BLVD	10,320.37	2,450.36	7,870.01	3,385.82	R-1D	RX3
38 KENSINGTON BLVD	5,160.12	1,975.56	3,184.56	2,255.69	R-1D	RX3
39 KENSINGTON BLVD	5,160.17	2,798.98	2,361.19	2,873.26	R-1D	RX3
40 KENSINGTON BLVD	5,159.99	2,448.54	2,711.45	2,610.40	R-1D	RX3
41 KENSINGTON BLVD	5,160.17	2,369.62	2,790.55	2,551.24	R-1D	RX3
42 KENSINGTON BLVD	5,160.03	2,527.29	2,632.74	2,669.47	R-1D	RX3
43 KENSINGTON BLVD	5,160.12	1,833.99	3,326.13	2,149.51	R-1D	RX3

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
44 KENSINGTON BLVD	5,160.01	2,594.74	2,565.27	2,720.05	R-1D	RX3
45 KENSINGTON BLVD	5,160.17	2,895.51	2,264.66	2,945.66	R-1D	RX3
46 KENSINGTON BLVD	5,160.08	1,730.39	3,429.69	2,071.80	R-1D	RX3
47 KENSINGTON BLVD	5,160.23	1,766.13	3,394.10	2,098.63	R-1D	RX3
49 KENSINGTON BLVD	5,160.23	1,603.20	3,557.03	1,976.43	R-1D	RX3
50 KENSINGTON BLVD	10,319.99	2,059.17	8,260.82	3,092.38	R-1D	RX3
51 KENSINGTON BLVD	5,160.18	1,129.17	4,031.02	1,620.90	R-1D	RX3
52 KENSINGTON BLVD	5,160.07	2,700.20	2,459.87	2,799.16	R-1D	RX3
53 KENSINGTON BLVD	5,160.23	1,999.98	3,160.25	2,274.02	R-1D	RX3
54 KENSINGTON BLVD	5,160.01	1,319.61	3,840.40	1,763.71	R-1D	RX3
55 KENSINGTON BLVD	3,630.71	1,539.77	2,090.94	1,699.43	R-1D	RX3
56 KENSINGTON BLVD	5,814.82	939.21	4,875.60	1,576.63	R-1D	RX3
59 KENSINGTON BLVD	7,193.69	2,612.39	4,581.30	3,038.35	R-1D	RX3
60 KENSINGTON BLVD	5,814.40	2,094.23	3,720.17	2,442.84	R-1D	RX3
61 KENSINGTON BLVD	5,395.27	2,473.69	2,921.59	2,664.55	R-1D	RX3
63 KENSINGTON BLVD	5,395.32	1,547.16	3,848.16	1,969.67	R-1D	RX3
66 KENSINGTON BLVD	7,752.21	3,377.23	4,374.98	3,695.75	R-1D	RX3
67 KENSINGTON BLVD	3,596.87	1,523.65	2,073.23	1,682.27	R-1D	RX3
68 KENSINGTON BLVD	3,876.41	1,083.33	2,793.09	1,393.96	R-1D	RX3
69 KENSINGTON BLVD	3,596.92	1,661.55	1,935.37	1,785.70	R-1D	RX3
70 KENSINGTON BLVD	3,876.23	2,661.48	1,214.75	2,577.54	R-1D	RX3
71 KENSINGTON BLVD	5,395.25	1,943.11	3,452.14	2,266.62	R-1D	RX3
72 KENSINGTON BLVD	5,814.32	2,262.27	3,552.05	2,568.85	R-1D	RX3
75 KENSINGTON BLVD	5,395.45	2,661.72	2,733.73	2,805.61	R-1D	RX3
76 KENSINGTON BLVD	5,814.41	2,144.03	3,670.38	2,480.18	R-1D	RX3
77 KENSINGTON BLVD	3,596.84	2,936.93	659.91	2,742.22	R-1D	RX3
78 KENSINGTON BLVD	5,814.36	1,952.24	3,862.12	2,336.34	R-1D	RX3
79 KENSINGTON BLVD	3,596.87	961.46	2,635.41	1,260.62	R-1D	RX3
81 KENSINGTON BLVD	3,596.82	1,033.52	2,563.29	1,314.66	R-1D	RX3
82 KENSINGTON BLVD	5,814.35	2,892.95	2,921.40	3,041.86	R-1D	RX3
83 KENSINGTON BLVD	5,395.26	2,524.41	2,870.85	2,702.60	R-1D	RX3
84 KENSINGTON BLVD	7,752.57	3,015.16	4,737.41	3,424.26	R-1D	RX3
85 KENSINGTON BLVD	5,395.40	2,067.26	3,328.13	2,359.76	R-1D	RX3
87 KENSINGTON BLVD	5,395.23	3,181.29	2,213.94	3,195.25	R-1D	RX3
88 KENSINGTON BLVD	3,876.22	1,391.72	2,484.50	1,625.22	R-1D	RX3
90 KENSINGTON BLVD	3,876.26	1,242.91	2,633.35	1,513.62	R-1D	RX3
92 KENSINGTON BLVD	9,690.55	3,078.55	6,612.00	3,762.49	R-1D	RX3
93 KENSINGTON BLVD	5,395.32	2,964.94	2,430.38	3,033.00	R-1D	RX3
95 KENSINGTON BLVD	3,596.93	1,390.63	2,206.30	1,582.51	R-1D	RX3
97 KENSINGTON BLVD	3,596.85	1,571.80	2,025.05	1,718.38	R-1D	RX3
98 KENSINGTON BLVD	5,814.49	1,761.61	4,052.87	2,193.38	R-1D	RX3
1 KENSINGTON BLVD	6,000.05	2,327.17	3,672.88	2,645.39	R-1C	RX3
10 KENSINGTON BLVD	6,450.16	1,676.83	4,773.33	2,225.15	R-1C	RX3
11 KENSINGTON BLVD	6,450.15	1,103.55	5,346.59	1,795.19	R-1C	RX3
12 KENSINGTON BLVD	6,450.05	3,487.11	2,962.94	3,582.84	R-1C	RX3
13 KENSINGTON BLVD	6,450.02	2,127.26	4,322.76	2,562.95	R-1C	RX3
14 KENSINGTON BLVD	6,450.05	2,018.26	4,431.79	2,481.20	R-1C	RX3
15 KENSINGTON BLVD	6,450.11	3,053.39	3,396.72	3,257.56	R-1C	RX3
16 KENSINGTON BLVD	6,450.11	1,770.84	4,679.26	2,295.65	R-1C	RX3

3 Supplemental Information

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
17 KENSINGTON BLVD	6,450.16	3,687.36	2,762.79	3,733.04	R-1C	RX3
18 KENSINGTON BLVD	6,449.99	4,004.20	2,445.80	3,970.65	R-1C	RX3
2 KENSINGTON BLVD	6,450.07	2,596.80	3,853.27	2,915.11	R-1C	RX3
3 KENSINGTON BLVD	6,000.05	2,517.90	3,482.14	2,788.44	R-1C	RX3
4 KENSINGTON BLVD	6,450.03	3,206.06	3,243.97	3,372.05	R-1C	RX3
5 KENSINGTON BLVD	5,999.92	3,174.32	2,825.60	3,280.73	R-1C	RX3
6 KENSINGTON BLVD	6,450.03	2,309.22	4,140.81	2,699.42	R-1C	RX3
7 KENSINGTON BLVD	6,450.13	2,556.36	3,893.77	2,884.79	R-1C	RX3
8 KENSINGTON BLVD	6,449.93	1,608.37	4,841.56	2,173.77	R-1C	RX3
9 KENSINGTON BLVD	6,450.06	3,056.42	3,393.63	3,259.83	R-1C	RX3
100 MAPLEFIELD RD	5,785.69	1,949.53	3,836.16	2,330.00	R-1C	R-3
102 MAPLEFIELD RD	5,223.98	2,488.88	2,735.09	2,650.26	R-1C	R-3
103 MAPLEFIELD RD	7,499.88	3,433.77	4,066.11	3,700.31	R-1C	R-3
106 MAPLEFIELD RD	7,567.66	2,547.90	5,019.76	3,046.08	R-1C	R-3
108 MAPLEFIELD RD	5,262.17	2,892.47	2,369.70	2,958.68	R-1C	R-3
110 MAPLEFIELD RD	7,091.68	2,738.93	4,352.74	3,117.95	R-1C	R-3
111 MAPLEFIELD RD	7,500.35	3,083.18	4,417.17	3,437.44	R-1C	R-3
114 MAPLEFIELD RD	7,117.83	2,506.63	4,611.20	2,947.65	R-1C	R-3
115 MAPLEFIELD RD	5,000.07	2,228.54	2,771.53	2,421.42	R-1C	R-3
119 MAPLEFIELD RD	5,000.05	2,837.63	2,162.42	2,878.23	R-1C	R-3
120 MAPLEFIELD RD	5,977.32	2,334.54	3,642.78	2,647.50	R-1C	R-3
121 MAPLEFIELD RD	5,000.10	2,448.31	2,551.79	2,586.25	R-1C	R-3
122 MAPLEFIELD RD	6,635.83	2,057.00	4,578.83	2,538.12	R-1C	R-3
123 MAPLEFIELD RD	5,499.57	3,286.76	2,212.81	3,290.00	R-1C	R-3
126 MAPLEFIELD RD	6,021.73	2,619.33	3,402.40	2,867.75	R-1C	R-3
127 MAPLEFIELD RD	5,000.09	2,629.17	2,370.92	2,721.89	R-1C	R-3
130 MAPLEFIELD RD	9,000.50	2,486.17	6,514.32	3,214.70	R-1C	R-3
133 MAPLEFIELD RD	6,000.14	1,798.60	4,201.54	2,248.97	R-1C	R-3
135 MAPLEFIELD RD	6,599.09	1,611.73	4,987.36	2,198.66	R-1C	R-3
138 MAPLEFIELD RD	8,938.43	3,694.50	5,243.93	4,111.64	R-1C	R-3
139 MAPLEFIELD RD	6,599.42	2,184.69	4,414.73	2,628.43	R-1C	R-3
140 MAPLEFIELD RD	5,924.28	2,253.60	3,670.68	2,578.84	R-1C	R-3
142 MAPLEFIELD RD	5,896.73	2,179.61	3,717.12	2,519.22	R-1C	R-3
143 MAPLEFIELD RD	6,593.25	2,303.06	4,290.19	2,716.29	R-1C	R-3
146 MAPLEFIELD RD	5,869.05	1,171.84	4,697.21	1,759.24	R-1C	R-3
147 MAPLEFIELD RD	6,599.72	2,436.99	4,162.73	2,817.70	R-1C	R-3
150 MAPLEFIELD RD	7,006.07	2,648.07	4,358.00	3,036.97	R-1C	R-3
154 MAPLEFIELD RD	5,808.31	3,037.60	2,770.71	3,149.45	R-1C	R-3
158 MAPLEFIELD RD	5,780.47	2,172.81	3,607.66	2,496.68	R-1C	R-3
160 MAPLEFIELD RD	5,752.90	2,219.79	3,533.10	2,527.78	R-1C	R-3
163 MAPLEFIELD RD	6,000.54	1,888.54	4,112.00	2,316.49	R-1C	R-3
164 MAPLEFIELD RD	5,725.23	1,895.56	3,829.67	2,280.45	R-1C	R-3
165 MAPLEFIELD RD	5,072.11	3,702.63	1,369.49	3,537.79	R-1C	R-3
166 MAPLEFIELD RD	3,959.55	2,273.86	1,685.69	2,299.32	R-1C	R-3
37 MAPLEFIELD RD	6,600.01	2,464.91	4,135.11	2,838.68	R-1C	RX6
40 MAPLEFIELD RD	5,605.14	2,540.88	3,064.26	2,746.43	R-1C	RX6
44 MAPLEFIELD RD	6,728.49	2,294.09	4,434.40	2,729.84	R-1C	RX6
48 MAPLEFIELD RD	6,187.93	2,082.27	4,105.66	2,489.89	R-1C	R-3
49 MAPLEFIELD RD	6,599.49	1,974.82	4,624.66	2,471.04	R-1C	R-3

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
52 MAPLEFIELD RD	5,626.69	3,389.03	2,237.66	3,385.78	R-1C	R-3
53 MAPLEFIELD RD	6,599.37	3,012.20	3,587.17	3,249.05	R-1C	R-3
56 MAPLEFIELD RD	6,760.75	2,109.96	4,650.79	2,596.58	R-1C	R-3
57 MAPLEFIELD RD	6,599.95	3,278.06	3,321.89	3,448.54	R-1C	R-3
60 MAPLEFIELD RD	5,641.12	3,042.71	2,598.40	3,128.20	R-1C	R-3
61 MAPLEFIELD RD	3,000.19	1,593.04	1,407.15	1,644.81	R-1C	R-3
63 MAPLEFIELD RD	2,999.41	1,309.21	1,690.19	1,431.82	R-1C	R-3
65 MAPLEFIELD RD	3,000.31	2,414.21	586.10	2,260.70	R-1C	R-3
67 MAPLEFIELD RD	2,999.74	1,154.73	1,845.01	1,316.01	R-1C	R-3
68 MAPLEFIELD RD	6,212.89	2,186.35	4,026.54	2,571.70	R-1C	R-3
70 MAPLEFIELD RD	6,786.48	3,587.93	3,198.54	3,708.92	R-1C	R-3
71 MAPLEFIELD RD	4,949.60	1,960.11	2,989.49	2,212.52	R-1C	R-3
72 MAPLEFIELD RD	6,229.23	3,007.36	3,221.86	3,189.91	R-1C	R-3
73 MAPLEFIELD RD	4,949.70	1,766.54	3,183.16	2,067.36	R-1C	R-3
77 MAPLEFIELD RD	4,949.03	1,705.13	3,243.90	2,021.20	R-1C	R-3
79 MAPLEFIELD RD	5,500.06	3,122.47	2,377.59	3,166.86	R-1C	R-3
80 MAPLEFIELD RD	6,230.31	2,730.73	3,499.58	2,982.59	R-1C	R-3
81 MAPLEFIELD RD	6,049.63	2,802.63	3,247.00	3,009.42	R-1C	R-3
82 MAPLEFIELD RD	8,530.29	2,917.45	5,612.84	3,467.63	R-1C	R-3
84 MAPLEFIELD RD	8,551.18	2,365.31	6,185.87	3,056.66	R-1C	R-3
85 MAPLEFIELD RD	8,798.94	2,595.89	6,203.05	3,266.76	R-1C	R-3
88 MAPLEFIELD RD	9,184.86	2,793.80	6,391.05	3,473.08	R-1C	R-3
93 MAPLEFIELD RD	7,699.60	2,814.69	4,884.91	3,265.96	R-1C	R-3
95 MAPLEFIELD RD	5,499.52	2,115.88	3,383.63	2,411.84	R-1C	R-3
96 MAPLEFIELD RD	6,916.68	1,480.68	5,436.00	2,148.01	R-1C	R-3
99 MAPLEFIELD RD	6,000.14	1,637.94	4,362.21	2,128.47	R-1C	R-3
14 MAPLEFIELD RD	7,832.85	1,993.77	5,839.08	2,670.26	R-1D	RX6
15 MAPLEFIELD RD	5,399.47	2,762.54	2,636.93	2,881.83	R-1D	RX6
18 MAPLEFIELD RD	5,000.72	1,832.46	3,168.26	2,124.45	R-1D	RX6
19 MAPLEFIELD RD	4,949.63	2,437.99	2,511.64	2,570.94	R-1D	RX6
20 MAPLEFIELD RD	5,006.05	2,386.10	2,619.95	2,540.48	R-1D	RX6
22 MAPLEFIELD RD	3,903.96	1,395.05	2,508.92	1,631.88	R-1D	RX6
23 MAPLEFIELD RD	4,949.56	2,437.77	2,511.79	2,570.76	R-1D	RX6
24 MAPLEFIELD RD	5,015.29	2,296.20	2,719.09	2,474.45	R-1D	RX6
27 MAPLEFIELD RD	4,949.56	2,707.53	2,242.03	2,773.08	R-1D	RX6
28 MAPLEFIELD RD	5,579.05	2,194.36	3,384.69	2,482.63	R-1D	RX6
29 MAPLEFIELD RD	4,949.58	1,590.73	3,358.85	1,935.49	R-1D	RX6
31 MAPLEFIELD RD	4,949.54	2,675.08	2,274.46	2,748.74	R-1D	RX6
32 MAPLEFIELD RD	5,585.49	2,430.83	3,154.66	2,660.95	R-1D	RX6
33 MAPLEFIELD RD	4,943.23	1,968.88	2,974.35	2,218.15	R-1D	RX6
34 MAPLEFIELD RD	5,424.15	2,558.67	2,865.48	2,732.62	R-1D	RX6
35 MAPLEFIELD RD	4,956.96	1,786.66	3,170.31	2,083.54	R-1D	RX6
38 MAPLEFIELD RD	5,766.42	2,195.06	3,571.37	2,511.26	R-1D	RX6
1 MAYWOOD AVE	4,378.40	1,618.17	2,760.24	1,870.38	R-1C	R-6
10 MAYWOOD AVE	6,474.40	1,879.97	4,594.43	2,381.14	R-1C	R-6
11 MAYWOOD AVE	6,495.01	1,784.60	4,710.41	2,312.70	R-1C	R-6
12 MAYWOOD AVE	6,501.07	1,897.76	4,603.32	2,398.48	R-1C	R-6
13 MAYWOOD AVE	6,522.65	2,845.31	3,677.34	3,112.38	R-1C	R-6
14 MAYWOOD AVE	6,527.80	2,568.53	3,959.27	2,905.57	R-1C	R-6

3 Supplemental Information

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
15 MAYWOOD AVE	6,550.38	1,322.86	5,227.52	1,974.70	R-1C	R-6
16 MAYWOOD AVE	6,554.52	2,657.38	3,897.14	2,976.21	R-1C	R-6
17 MAYWOOD AVE	6,578.01	2,755.95	3,822.06	3,053.67	R-1C	R-6
18 MAYWOOD AVE	6,581.29	3,330.58	3,250.70	3,485.13	R-1C	R-6
19 MAYWOOD AVE	6,605.69	4,268.05	2,337.64	4,191.89	R-1C	R-6
20 MAYWOOD AVE	6,607.99	2,348.18	4,259.81	2,752.33	R-1C	R-6
21 MAYWOOD AVE	5,328.30	1,444.50	3,883.81	1,882.62	R-1C	R-6
22 MAYWOOD AVE	5,712.04	1,487.15	4,224.89	1,972.17	R-1C	R-6
23 MAYWOOD AVE	5,756.26	1,963.12	3,793.13	2,335.78	R-1C	R-6
24 MAYWOOD AVE	5,367.90	2,238.51	3,129.39	2,484.07	R-1C	R-6
25 MAYWOOD AVE	5,576.45	2,905.93	2,670.52	3,015.91	R-1C	R-6
26 MAYWOOD AVE	5,496.13	1,998.22	3,497.91	2,323.09	R-1C	R-6
27 MAYWOOD AVE	5,578.41	2,877.87	2,700.54	2,995.16	R-1C	R-6
28 MAYWOOD AVE	5,610.25	2,648.24	2,962.01	2,827.72	R-1C	R-6
29 MAYWOOD AVE	5,591.00	3,104.33	2,486.67	3,166.90	R-1C	R-6
3 MAYWOOD AVE	6,384.26	2,821.68	3,562.58	3,073.90	R-1C	R-6
30 MAYWOOD AVE	5,628.70	2,223.79	3,404.91	2,512.15	R-1C	R-6
31 MAYWOOD AVE	5,603.38	2,891.76	2,711.62	3,009.33	R-1C	R-6
32 MAYWOOD AVE	5,647.06	2,485.51	3,161.55	2,711.19	R-1C	R-6
33 MAYWOOD AVE	5,616.00	2,388.18	3,227.82	2,633.53	R-1C	R-6
34 MAYWOOD AVE	5,665.54	3,071.83	2,593.71	3,153.70	R-1C	R-6
35 MAYWOOD AVE	5,628.35	2,404.13	3,224.22	2,647.35	R-1C	R-6
36 MAYWOOD AVE	5,683.97	2,485.26	3,198.70	2,716.54	R-1C	R-6
37 MAYWOOD AVE	5,640.91	2,651.08	2,989.82	2,834.45	R-1C	R-6
38 MAYWOOD AVE	5,702.38	2,883.31	2,819.07	3,017.84	R-1C	R-6
39 MAYWOOD AVE	5,653.48	2,922.90	2,730.59	3,040.20	R-1C	R-6
40 MAYWOOD AVE	5,720.82	2,760.32	2,960.50	2,928.36	R-1C	R-6
41 MAYWOOD AVE	5,665.79	2,061.15	3,604.65	2,395.73	R-1C	R-6
42 MAYWOOD AVE	5,739.18	3,253.44	2,485.74	3,300.96	R-1C	R-6
43 MAYWOOD AVE	5,678.51	2,090.30	3,588.21	2,419.50	R-1C	R-6
44 MAYWOOD AVE	5,757.66	976.96	4,780.70	1,596.37	R-1C	R-6
45 MAYWOOD AVE	5,690.83	2,677.27	3,013.55	2,861.58	R-1C	R-6
46 MAYWOOD AVE	5,776.05	2,616.62	3,159.43	2,828.87	R-1C	R-6
47 MAYWOOD AVE	5,703.31	2,501.03	3,202.28	2,731.27	R-1C	R-6
48 MAYWOOD AVE	5,794.53	2,468.87	3,325.66	2,720.83	R-1C	R-6
49 MAYWOOD AVE	5,715.97	2,367.41	3,348.55	2,632.96	R-1C	R-6
5 MAYWOOD AVE	6,411.97	2,491.47	3,920.51	2,830.40	R-1C	R-6
50 MAYWOOD AVE	5,812.88	3,030.16	2,782.72	3,144.55	R-1C	R-6
51 MAYWOOD AVE	5,728.32	2,815.68	2,912.64	2,971.01	R-1C	R-6
52 MAYWOOD AVE	5,831.29	2,411.44	3,419.85	2,683.27	R-1C	R-6
53 MAYWOOD AVE	5,740.88	2,794.86	2,946.02	2,957.28	R-1C	R-6
54 MAYWOOD AVE	5,849.68	2,063.68	3,786.00	2,425.21	R-1C	R-6
55 MAYWOOD AVE	5,753.31	2,867.04	2,886.27	3,013.27	R-1C	R-6
56 MAYWOOD AVE	5,868.16	2,380.46	3,487.70	2,665.57	R-1C	R-6
57 MAYWOOD AVE	5,765.83	2,247.57	3,518.26	2,550.55	R-1C	R-6
58 MAYWOOD AVE	5,886.59	1,857.29	4,029.30	2,275.96	R-1C	R-6
59 MAYWOOD AVE	5,778.35	2,407.59	3,370.77	2,672.44	R-1C	R-6
6 MAYWOOD AVE	4,044.85	1,660.69	2,384.16	1,852.24	R-1C	R-6
60 MAYWOOD AVE	5,905.01	2,454.96	3,450.05	2,726.97	R-1C	R-6

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
61 MAYWOOD AVE	5,790.83	2,810.95	2,979.88	2,976.83	R-1C	R-6
62 MAYWOOD AVE	5,923.42	2,629.77	3,293.64	2,860.84	R-1C	R-6
63 MAYWOOD AVE	5,803.41	3,154.35	2,649.06	3,236.27	R-1C	R-6
64 MAYWOOD AVE	5,941.88	2,970.61	2,971.27	3,119.24	R-1C	R-6
65 MAYWOOD AVE	5,889.53	3,520.08	2,369.45	3,523.49	R-1C	R-6
66 MAYWOOD AVE	5,960.20	2,363.03	3,597.18	2,666.30	R-1C	R-6
67 MAYWOOD AVE	9,486.77	2,910.47	6,576.30	3,605.87	R-1C	R-6
68 MAYWOOD AVE	5,978.71	3,164.34	2,814.37	3,270.06	R-1C	R-6
7 MAYWOOD AVE	6,439.66	2,847.64	3,592.02	3,101.68	R-1C	R-6
70 MAYWOOD AVE	5,997.09	2,932.90	3,064.19	3,099.24	R-1C	R-6
8 MAYWOOD AVE	6,447.58	2,790.93	3,656.65	3,060.34	R-1C	R-6
9 MAYWOOD AVE	6,467.31	2,201.85	4,265.46	2,621.49	R-1C	R-6
1 MILLINGTON RD	20,730.92	2,365.93	18,364.99	4,884.09	R-1B	RX5
10 MILLINGTON RD	12,786.62	3,235.08	9,551.54	4,344.30	R-1B	RX5
11 MILLINGTON RD	7,500.10	2,640.63	4,859.47	3,105.49	R-1B	RX5
12 MILLINGTON RD	9,593.95	3,201.85	6,392.10	3,840.48	R-1B	RX5
15 MILLINGTON RD	11,250.20	3,269.40	7,980.80	4,139.58	R-1B	RX5
16 MILLINGTON RD	9,845.10	3,552.31	6,292.79	4,140.99	R-1B	RX5
18 MILLINGTON RD	10,263.26	2,792.29	7,470.97	3,633.71	R-1B	RX5
19 MILLINGTON RD	11,250.12	3,186.90	8,063.22	4,077.70	R-1B	RX5
20 MILLINGTON RD	10,473.14	2,664.85	7,808.29	3,569.61	R-1B	RX5
21 MILLINGTON RD	7,500.17	2,503.49	4,996.68	3,002.64	R-1B	RX5
22 MILLINGTON RD	10,763.83	2,113.97	8,649.86	3,200.05	R-1B	RX5
23 MILLINGTON RD	7,500.11	3,785.77	3,714.35	3,964.34	R-1B	RX5
25 MILLINGTON RD	8,750.29	2,345.21	6,405.08	3,071.45	R-1B	RX5
27 MILLINGTON RD	8,784.00	2,639.99	6,144.01	3,297.59	R-1B	RX5
4 MILLINGTON RD	7,712.48	2,443.45	5,269.04	2,989.46	R-1B	RX5
5 MILLINGTON RD	15,000.17	4,067.01	10,933.16	5,300.28	R-1B	RX5
6 MILLINGTON RD	9,823.63	3,173.06	6,650.56	3,853.34	R-1B	RX5
8 MILLINGTON RD	9,581.09	2,980.92	6,600.18	3,672.85	R-1B	RX5
9 MILLINGTON RD	7,500.08	4,193.41	3,306.66	4,270.07	R-1B	RX5
1 NORWICH RD	8,749.73	4,819.13	3,930.60	4,926.81	R-1C	R-9
10 NORWICH RD	7,747.05	3,710.52	4,036.53	3,944.95	R-1C	R-9
11 NORWICH RD	8,750.06	3,395.99	5,354.07	3,859.50	R-1C	R-9
12 NORWICH RD	7,752.76	3,433.42	4,319.33	3,737.98	R-1C	R-9
13 NORWICH RD	8,750.06	2,964.19	5,785.87	3,535.65	R-1C	R-9
14 NORWICH RD	7,752.77	3,422.17	4,330.60	3,729.54	R-1C	R-9
16 NORWICH RD	7,755.91	2,941.98	4,813.92	3,369.87	R-1C	R-9
18 NORWICH RD	8,531.69	3,625.83	4,905.85	3,999.13	R-1C	R-9
19 NORWICH RD	21,175.12	4,883.43	16,291.69	6,838.84	R-1D	R-9
20 NORWICH RD	8,538.01	3,655.15	4,882.86	4,022.07	R-1C	R-9
21 NORWICH RD	10,324.99	4,982.00	5,342.99	5,285.25	R-1D	R-9
24 NORWICH RD	9,318.33	3,254.84	6,063.49	3,838.88	R-1C	R-9
25 NORWICH RD	13,999.97	4,474.60	9,525.38	5,455.94	R-1D	R-9
28 NORWICH RD	9,324.10	2,991.01	6,333.09	3,641.87	R-1C	R-9
29 NORWICH RD	10,500.04	3,264.99	7,235.05	4,023.75	R-1D	R-9
3 NORWICH RD	8,749.99	4,359.11	4,390.89	4,581.83	R-1C	R-9
30 NORWICH RD	6,220.10	2,576.38	3,643.72	2,865.30	R-1C	R-9
31 NORWICH RD	7,000.00	3,405.76	3,594.24	3,604.32	R-1D	R-9

3 Supplemental Information

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
32 NORWICH RD	6,220.30	1,357.96	4,862.34	1,951.52	R-1C	R-9
33 NORWICH RD	6,999.98	3,517.22	3,482.76	3,687.91	R-1D	R-9
34 NORWICH RD	6,222.27	5,700.94	521.34	5,209.04	R-1C	R-9
35 NORWICH RD	8,486.45	2,825.52	5,660.94	3,392.10	R-1C	R-9
4 NORWICH RD	8,735.54	4,516.86	4,218.67	4,697.98	R-1C	R-9
5 NORWICH RD	8,750.02	3,242.76	5,507.25	3,744.58	R-1C	R-9
6 NORWICH RD	17,479.26	4,410.16	13,069.10	5,929.51	R-1C	R-9
7 NORWICH RD	8,749.93	3,748.97	5,000.96	4,124.22	R-1C	R-9
8 NORWICH RD	7,754.09	3,728.96	4,025.13	3,959.83	R-1C	R-9
9 NORWICH RD	8,749.94	4,303.73	4,446.21	4,540.29	R-1C	R-9
14 OAKDALE BLVD	12,078.86	3,349.41	8,729.45	4,323.89	R-1C	RX4
15 OAKDALE BLVD	9,037.20	4,323.05	4,714.16	4,597.87	R-1C	RX4
16 OAKDALE BLVD	12,063.93	2,208.21	9,855.72	3,465.75	R-1C	RX4
17 OAKDALE BLVD	8,637.43	5,442.23	3,195.20	5,377.28	R-1C	RX4
18 OAKDALE BLVD	12,046.96	2,781.49	9,265.47	3,893.16	R-1C	RX4
19 OAKDALE BLVD	8,644.77	2,448.97	6,195.80	3,133.44	R-1C	RX4
20 OAKDALE BLVD	12,030.23	3,152.05	8,878.17	4,168.57	R-1C	RX4
21 OAKDALE BLVD	8,659.08	1,233.62	7,425.46	2,224.08	R-1C	RX4
22 OAKDALE BLVD	12,012.83	2,922.74	9,090.09	3,993.98	R-1C	RX4
23 OAKDALE BLVD	8,666.34	4,759.36	3,906.98	4,869.47	R-1C	RX4
24 OAKDALE BLVD	11,995.94	3,654.35	8,341.59	4,540.16	R-1C	RX4
25 OAKDALE BLVD	8,673.54	4,041.53	4,632.00	4,332.18	R-1C	RX4
26 OAKDALE BLVD	11,979.20	3,712.21	8,266.99	4,581.04	R-1C	RX4
27 OAKDALE BLVD	8,680.85	3,297.77	5,383.08	3,775.46	R-1C	RX4
29 OAKDALE BLVD	7,438.08	2,926.04	4,512.04	3,310.25	R-1C	R-9
30 OAKDALE BLVD	23,907.03	4,218.22	19,688.81	6,749.72	R-1C	RX4
31 OAKDALE BLVD	12,512.47	3,292.08	9,220.39	4,345.93	R-1C	R-9
32 OAKDALE BLVD	11,474.61	2,505.24	8,969.37	3,600.12	R-1C	RX4
36 OAKDALE BLVD	12,272.23	2,534.80	9,737.43	3,741.93	R-1C	R-9
37 OAKDALE BLVD	11,186.46	3,831.89	7,354.58	4,551.88	R-1C	R-9
38 OAKDALE BLVD	12,259.17	3,042.07	9,217.11	4,120.43	R-1C	R-9
39 OAKDALE BLVD	7,616.63	3,862.86	3,753.77	4,039.64	R-1C	R-9
40 OAKDALE BLVD	12,246.10	3,138.41	9,107.69	4,190.72	R-1C	R-9
41 OAKDALE BLVD	12,480.03	4,208.84	8,271.19	5,028.63	R-1C	R-9
42 OAKDALE BLVD	12,233.05	2,940.51	9,292.55	4,040.34	R-1C	R-9
43 OAKDALE BLVD	7,488.62	3,884.48	3,604.14	4,036.65	R-1C	R-9
44 OAKDALE BLVD	12,219.98	3,062.82	9,157.17	4,130.11	R-1C	R-9
45 OAKDALE BLVD	7,496.09	3,170.46	4,325.64	3,502.26	R-1C	R-9
46 OAKDALE BLVD	12,206.87	3,065.21	9,141.66	4,129.94	R-1C	R-9
47 OAKDALE BLVD	7,354.96	3,191.34	4,163.62	3,496.75	R-1C	R-9
48 OAKDALE BLVD	12,193.46	3,904.56	8,288.91	4,757.44	R-1C	R-9
50 OAKDALE BLVD	12,180.75	4,816.06	7,364.69	5,439.15	R-1C	R-9
51 OAKDALE BLVD	7,655.00	1,682.57	5,972.44	2,410.17	R-1C	R-9
52 OAKDALE BLVD	12,167.14	3,719.16	8,447.99	4,614.44	R-1C	R-9
53 OAKDALE BLVD	7,506.57	3,305.12	4,201.45	3,604.83	R-1C	R-9
54 OAKDALE BLVD	12,154.38	4,126.46	8,027.93	4,918.00	R-1C	R-9
55 OAKDALE BLVD	12,515.94	3,238.91	9,277.03	4,306.58	R-1C	R-9
56 OAKDALE BLVD	12,141.32	4,059.81	8,081.50	4,866.06	R-1C	R-9
57 OAKDALE BLVD	12,515.73	4,917.39	7,598.34	5,565.40	R-1C	R-9

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
58 OAKDALE BLVD	12,128.19	3,478.57	8,649.62	4,428.16	R-1C	R-9
59 OAKDALE BLVD	12,511.87	4,318.62	8,193.25	5,115.75	R-1C	R-9
60 OAKDALE BLVD	12,115.20	3,137.31	8,977.89	4,170.26	R-1C	R-9
61 OAKDALE BLVD	12,508.76	3,086.74	9,422.02	4,191.37	R-1C	R-9
62 OAKDALE BLVD	12,101.86	3,601.43	8,500.43	4,516.35	R-1C	R-9
64 OAKDALE BLVD	12,088.70	3,759.02	8,329.68	4,632.57	R-1C	R-9
65 OAKDALE BLVD	8,256.51	3,455.44	4,801.07	3,830.06	R-1C	R-9
66 OAKDALE BLVD	12,075.73	3,611.69	8,464.04	4,520.13	R-1C	R-9
67 OAKDALE BLVD	8,256.73	3,746.40	4,510.33	4,048.31	R-1C	R-9
68 OAKDALE BLVD	12,062.70	3,603.34	8,459.36	4,511.91	R-1C	R-9
69 OAKDALE BLVD	12,494.54	3,415.61	9,078.93	4,435.89	R-1C	R-9
70 OAKDALE BLVD	12,049.28	4,217.91	7,831.37	4,970.83	R-1C	R-9
71 OAKDALE BLVD	12,491.22	3,921.42	8,569.80	4,814.75	R-1C	R-9
72 OAKDALE BLVD	12,036.35	3,720.76	8,315.59	4,596.02	R-1C	R-9
73 OAKDALE BLVD	8,756.59	3,715.38	5,041.21	4,100.03	R-1C	R-9
74 OAKDALE BLVD	12,023.25	3,655.97	8,367.28	4,545.46	R-1C	R-9
75 OAKDALE BLVD	8,756.63	3,689.91	5,066.72	4,080.93	R-1C	R-9
76 OAKDALE BLVD	12,010.23	3,035.35	8,974.89	4,078.04	R-1C	R-9
77 OAKDALE BLVD	8,756.36	3,207.88	5,548.48	3,719.36	R-1C	R-9
78 OAKDALE BLVD	11,997.07	5,430.83	6,566.24	5,872.68	R-1C	R-9
80 OAKDALE BLVD	11,983.56	3,455.11	8,528.45	4,388.86	R-1C	R-9
81 OAKDALE BLVD	8,745.13	2,554.91	6,190.22	3,227.95	R-1C	R-9
82 OAKDALE BLVD	11,970.84	3,125.34	8,845.50	4,139.63	R-1C	R-9
83 OAKDALE BLVD	8,756.77	3,414.66	5,342.11	3,874.51	R-1C	R-9
84 OAKDALE BLVD	11,957.74	3,454.72	8,503.01	4,384.70	R-1C	R-9
85 OAKDALE BLVD	12,404.38	4,957.01	7,447.37	5,578.41	R-1C	R-9
86 OAKDALE BLVD	11,944.63	3,861.81	8,082.82	4,688.05	R-1C	R-9
87 OAKDALE BLVD	12,381.83	2,834.80	9,547.02	3,983.38	R-1C	R-9
88 OAKDALE BLVD	11,931.40	2,622.68	9,308.72	3,756.72	R-1C	R-9
89 OAKDALE BLVD	12,358.12	3,396.08	8,962.04	4,400.78	R-1C	R-9
90 OAKDALE BLVD	11,918.18	3,470.48	8,447.70	4,390.59	R-1C	R-9
91 OAKDALE BLVD	8,756.66	3,787.93	4,968.73	4,154.44	R-1C	R-9
92 OAKDALE BLVD	8,317.94	3,049.23	5,268.71	3,534.62	R-1C	R-9
93 OAKDALE BLVD	11,699.70	3,431.70	8,268.00	4,328.73	R-1C	R-9
10 OAKLAND PARK BLVD	20,170.10	2,935.11	17,234.98	5,226.85	R-1A	RF4
11 OAKLAND PARK BLVD	18,523.10	4,031.00	14,492.10	5,801.71	R-1A	RF4
12 OAKLAND PARK BLVD	20,093.90	7,526.80	12,567.10	8,659.19	R-1A	RF4
13 OAKLAND PARK BLVD	20,044.95	5,904.34	14,140.62	7,435.00	R-1A	RF4
14 OAKLAND PARK BLVD	20,147.66	6,491.14	13,656.52	7,890.50	R-1A	RF4
15 OAKLAND PARK BLVD	20,027.16	4,238.62	15,788.54	6,183.04	R-1A	RF4
16 OAKLAND PARK BLVD	19,999.91	4,884.85	15,115.06	6,663.63	R-1A	RF4
17 OAKLAND PARK BLVD	20,008.99	5,307.57	14,701.42	6,982.03	R-1A	RF4
18 OAKLAND PARK BLVD	20,000.11	6,047.95	13,952.16	7,535.98	R-1A	RF4
19 OAKLAND PARK BLVD	20,000.06	7,295.58	12,704.47	8,471.70	R-1A	RF4
20 OAKLAND PARK BLVD	20,000.01	4,252.79	15,747.22	6,189.59	R-1A	RF4
21 OAKLAND PARK BLVD	19,999.99	6,999.85	13,000.14	8,249.89	R-1A	RF4
22 OAKLAND PARK BLVD	19,999.97	5,696.60	14,303.37	7,272.45	R-1A	RF4
23 OAKLAND PARK BLVD	20,000.03	4,480.42	15,519.60	6,360.32	R-1A	RF4
24 OAKLAND PARK BLVD	19,999.95	4,946.18	15,053.77	6,709.63	R-1A	RF4

3 Supplemental Information

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
25 OAKLAND PARK BLVD	19,999.97	6,110.89	13,889.08	7,583.16	R-1A	RF4
26 OAKLAND PARK BLVD	19,999.98	6,890.38	13,109.60	8,167.78	R-1A	RF4
27 OAKLAND PARK BLVD	19,999.96	4,192.55	15,807.41	6,144.41	R-1A	RF4
28 OAKLAND PARK BLVD	20,000.07	3,845.39	16,154.68	5,884.05	R-1A	RF4
29 OAKLAND PARK BLVD	20,000.03	6,676.80	13,323.22	8,007.61	R-1A	RF4
30 OAKLAND PARK BLVD	19,999.96	5,710.39	14,289.57	7,282.79	R-1A	RF4
31 OAKLAND PARK BLVD	19,999.96	5,958.44	14,041.52	7,468.82	R-1A	RF4
32 OAKLAND PARK BLVD	20,000.22	6,549.96	13,450.26	7,912.50	R-1A	RF4
33 OAKLAND PARK BLVD	20,000.02	3,457.69	16,542.33	5,593.27	R-1A	RF4
34 OAKLAND PARK BLVD	19,999.77	4,693.88	15,305.89	6,520.38	R-1A	RF4
35 OAKLAND PARK BLVD	19,999.73	3,882.77	16,116.96	5,912.04	R-1A	RF4
36 OAKLAND PARK BLVD	19,999.75	5,907.18	14,092.57	7,430.35	R-1A	RF4
5 OAKLAND PARK BLVD	20,206.97	5,538.45	14,668.53	7,184.88	R-1A	RF4
7 OAKLAND PARK BLVD	20,014.62	3,228.73	16,785.88	5,423.74	R-1A	RF4
9 OAKLAND PARK BLVD	20,125.38	5,258.08	14,867.30	6,962.36	R-1A	RF4
1 OXFORD BLVD	13,527.25	3,267.49	10,259.76	4,479.71	R-1C	R-8
11 OXFORD BLVD	9,749.84	4,390.93	5,358.91	4,755.67	R-1C	R-8
12 OXFORD BLVD	13,499.76	4,022.23	9,477.53	5,041.64	R-1C	R-8
13 OXFORD BLVD	9,750.00	2,533.94	7,216.05	3,362.96	R-1C	R-8
14 OXFORD BLVD	8,999.94	3,717.32	5,282.62	4,137.98	R-1C	R-8
15 OXFORD BLVD	26,175.96	5,439.38	20,736.58	8,005.93	R-1C	R-8
16 OXFORD BLVD	8,999.81	5,741.35	3,258.46	5,655.99	R-1C	R-8
18 OXFORD BLVD	8,227.28	2,641.36	5,585.92	3,215.11	R-1C	R-8
2 OXFORD BLVD	8,810.86	3,374.56	5,436.30	3,852.55	R-1C	R-8
20 OXFORD BLVD	9,155.19	4,761.17	4,394.02	4,944.16	R-1C	R-8
21 OXFORD BLVD	9,149.79	3,380.67	5,769.11	3,907.97	R-1C	R-8
22 OXFORD BLVD	9,128.92	3,355.80	5,773.12	3,886.19	R-1C	R-8
23 OXFORD BLVD	9,150.04	3,158.99	5,991.05	3,741.75	R-1C	R-8
24 OXFORD BLVD	9,150.06	4,210.18	4,939.88	4,530.14	R-1C	R-8
25 OXFORD BLVD	10,049.98	3,737.22	6,312.76	4,310.41	R-1C	R-8
26 OXFORD BLVD	9,149.88	3,538.00	5,611.88	4,025.98	R-1C	R-8
27 OXFORD BLVD	8,250.04	5,578.24	2,671.80	5,421.19	R-1C	R-8
28 OXFORD BLVD	9,150.14	3,803.98	5,346.16	4,225.51	R-1C	R-8
3 OXFORD BLVD	11,515.84	3,756.93	7,758.91	4,545.07	R-1C	R-8
30 OXFORD BLVD	9,150.08	5,238.48	3,911.60	5,301.37	R-1C	R-8
31 OXFORD BLVD	13,724.83	3,481.85	10,242.98	4,670.12	R-1C	R-8
32 OXFORD BLVD	9,149.84	5,375.98	3,773.87	5,404.46	R-1C	R-8
33 OXFORD BLVD	18,300.02	3,847.92	14,452.10	5,630.94	R-1C	R-8
34 OXFORD BLVD	9,150.15	3,092.74	6,057.41	3,692.07	R-1C	R-8
36 OXFORD BLVD	9,149.71	3,968.40	5,181.31	4,348.75	R-1C	R-8
37 OXFORD BLVD	9,149.97	3,349.55	5,800.42	3,884.66	R-1C	R-8
38 OXFORD BLVD	9,150.32	3,087.83	6,062.49	3,688.42	R-1C	R-8
39 OXFORD BLVD	9,149.99	3,520.45	5,629.54	4,012.84	R-1C	R-8
4 OXFORD BLVD	8,809.68	5,211.34	3,598.35	5,229.96	R-1C	R-8
40 OXFORD BLVD	9,150.01	4,419.87	4,730.14	4,687.41	R-1C	R-8
41 OXFORD BLVD	9,149.90	3,321.67	5,828.22	3,863.74	R-1C	R-8
42 OXFORD BLVD	9,150.05	3,367.55	5,782.50	3,898.17	R-1C	R-8
43 OXFORD BLVD	13,725.05	4,494.92	9,230.12	5,429.95	R-1C	R-8
44 OXFORD BLVD	9,150.09	3,497.02	5,653.07	3,995.28	R-1C	R-8

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
46 OXFORD BLVD	9,150.00	3,739.38	5,410.61	4,177.04	R-1C	R-8
47 OXFORD BLVD	13,724.98	1,746.86	11,978.12	3,368.89	R-1C	R-8
48 OXFORD BLVD	13,725.06	3,446.21	10,278.85	4,643.41	R-1A	R-8
49 OXFORD BLVD	8,606.60	3,440.37	5,166.23	3,871.27	R-1C	R-8
5 OXFORD BLVD	9,749.86	2,427.39	7,322.47	3,283.02	R-1C	R-8
52 OXFORD BLVD	13,724.67	4,349.37	9,375.30	5,320.73	R-1A	R-8
6 OXFORD BLVD	8,792.13	1,695.34	7,096.78	2,590.33	R-1C	R-8
7 OXFORD BLVD	9,749.72	3,645.19	6,104.54	4,196.35	R-1C	R-8
8 OXFORD BLVD	13,499.86	5,096.05	8,403.80	5,847.02	R-1C	R-8
9 OXFORD BLVD	9,750.09	5,309.00	4,441.08	5,444.27	R-1C	R-8
10 POPLAR PARK BLVD	16,779.62	3,952.78	12,826.84	5,481.53	R-1A	RF4
11 POPLAR PARK BLVD	39,997.41	7,850.56	32,146.84	11,887.53	R-1A	RF4
12 POPLAR PARK BLVD	11,195.98	3,594.82	7,601.17	4,375.51	R-1A	RF4
13 POPLAR PARK BLVD	19,999.88	11,344.61	8,655.27	11,508.44	R-1A	RF4
14 POPLAR PARK BLVD	15,999.82	4,330.77	11,669.04	5,648.05	R-1A	RF4
15 POPLAR PARK BLVD	20,000.04	5,013.72	14,986.32	6,760.29	R-1A	RF4
16 POPLAR PARK BLVD	15,999.84	2,042.87	13,956.97	3,932.13	R-1A	RF4
17 POPLAR PARK BLVD	20,000.06	4,129.59	15,870.47	6,097.20	R-1A	RF4
18 POPLAR PARK BLVD	15,999.90	7,288.64	8,711.25	7,866.47	R-1A	RF4
19 POPLAR PARK BLVD	20,000.00	6,682.97	13,317.03	8,012.23	R-1A	RF4
20 POPLAR PARK BLVD	15,999.73	4,601.19	11,398.54	5,850.86	R-1A	RF4
21 POPLAR PARK BLVD	20,000.24	3,755.03	16,245.21	5,816.31	R-1A	RF4
22 POPLAR PARK BLVD	15,999.88	4,690.15	11,309.73	5,917.60	R-1A	RF4
23 POPLAR PARK BLVD	19,999.73	5,898.69	14,101.04	7,423.98	R-1A	RF4
24 POPLAR PARK BLVD	15,999.86	5,304.91	10,694.96	6,378.66	R-1A	RF4
25 POPLAR PARK BLVD	19,999.74	5,679.75	14,320.00	7,259.77	R-1A	RF4
3 POPLAR PARK BLVD	20,280.85	5,959.82	14,321.03	7,511.99	R-1A	RF4
5 POPLAR PARK BLVD	20,030.63	5,898.36	14,132.27	7,428.36	R-1A	RF4
6 POPLAR PARK BLVD	16,762.60	4,088.15	12,674.45	5,580.51	R-1A	RF4
7 POPLAR PARK BLVD	19,999.36	5,560.20	14,439.16	7,170.06	R-1A	RF4
14 RIDGE RD	19,210.00	11,583.25	7,626.76	11,568.94	R-1A	RF3
16 RIDGE RD	26,013.86	9,378.70	16,635.15	10,936.11	R-1A	RF3
18 RIDGE RD	26,009.52	3,764.40	22,245.12	6,724.73	R-1A	RF3
20 RIDGE RD	27,539.51	5,637.88	21,901.63	8,359.34	R-1A	RF3
22 RIDGE RD	27,498.36	7,116.74	20,381.61	9,462.31	R-1A	RF3
24 RIDGE RD	33,681.11	7,316.87	26,364.24	10,539.82	R-1A	RF3
26 RIDGE RD	17,294.26	6,955.19	10,339.07	7,810.53	R-1A	RF3
28 RIDGE RD	16,833.72	6,119.26	10,714.46	7,114.50	R-1A	RF3
30 RIDGE RD	31,565.03	7,000.13	24,564.90	9,984.85	R-1A	RF3
32 RIDGE RD	26,826.56	4,159.96	22,666.59	7,143.95	R-1A	RF3
36 RIDGE RD	48,380.69	5,947.79	42,432.90	11,717.95	R-1A	RF3
38 RIDGE RD	26,795.34	11,160.77	15,634.57	12,389.88	R-1A	RF3
40 RIDGE RD	31,499.47	4,754.60	26,744.88	8,290.87	R-1A	RF3
42 RIDGE RD	11,821.11	3,997.72	7,823.39	4,771.46	R-1A	RF3
44 RIDGE RD	22,100.57	5,513.72	16,586.85	7,450.38	R-1A	RF3
46 RIDGE RD	22,334.44	8,890.02	13,444.43	10,017.68	R-1A	RF3
48 RIDGE RD	17,105.22	3,729.12	13,376.10	5,362.62	R-1A	RF3
50 RIDGE RD	16,074.81	5,651.10	10,423.71	6,649.55	R-1A	RF3
54 RIDGE RD	16,074.88	3,636.10	12,438.79	5,138.31	R-1A	RF3

3 Supplemental Information

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
56 RIDGE RD	17,203.20	4,380.03	12,823.17	5,865.50	R-1A	RF3
9 RIDGE RD	9,479.53	3,117.24	6,362.29	3,759.86	R-1B	RX5
41 RIDGE RD	12,001.76	4,567.76	7,434.00	5,226.09	R-1A	R-8
43 RIDGE RD	12,005.36	3,204.12	8,801.24	4,203.89	R-1A	R-8
45 RIDGE RD	18,013.79	3,447.19	14,566.60	5,287.46	R-1A	R-8
1 SYLVAN AVE	3,664.57	1,580.57	2,084.00	1,735.11	R-1C	R-6
10 SYLVAN AVE	6,518.76	2,877.38	3,641.38	3,135.85	R-1C	R-6
11 SYLVAN AVE	6,512.67	2,523.26	3,989.41	2,869.35	R-1C	R-6
12 SYLVAN AVE	6,545.32	2,980.11	3,565.20	3,216.88	R-1C	R-6
13 SYLVAN AVE	5,995.33	2,619.00	3,376.33	2,863.55	R-1C	R-6
14 SYLVAN AVE	6,571.88	2,142.55	4,429.33	2,592.70	R-1C	R-6
15 SYLVAN AVE	7,116.70	2,662.00	4,454.70	3,064.00	R-1C	R-6
16 SYLVAN AVE	6,598.44	2,517.77	4,080.67	2,878.09	R-1C	R-6
17 SYLVAN AVE	6,318.94	1,319.11	4,999.83	1,937.17	R-1C	R-6
18 SYLVAN AVE	6,907.11	1,950.96	4,956.15	2,499.28	R-1C	R-6
19 SYLVAN AVE	5,835.92	2,159.19	3,676.73	2,494.78	R-1C	R-6
20 SYLVAN AVE	5,277.70	1,911.23	3,366.47	2,225.08	R-1C	R-6
21 SYLVAN AVE	5,572.39	2,391.50	3,180.89	2,629.48	R-1C	R-6
22 SYLVAN AVE	5,485.54	2,829.07	2,656.47	2,944.64	R-1C	R-6
23 SYLVAN AVE	5,589.02	2,822.52	2,766.50	2,955.24	R-1C	R-6
24 SYLVAN AVE	5,594.99	2,428.83	3,166.16	2,660.87	R-1C	R-6
25 SYLVAN AVE	5,605.44	2,514.78	3,090.66	2,726.90	R-1C	R-6
26 SYLVAN AVE	5,614.02	2,446.54	3,167.49	2,677.01	R-1C	R-6
27 SYLVAN AVE	5,622.09	2,918.76	2,703.33	3,032.39	R-1C	R-6
28 SYLVAN AVE	5,632.97	1,756.02	3,876.95	2,161.96	R-1C	R-6
29 SYLVAN AVE	5,638.50	2,839.07	2,799.43	2,975.08	R-1C	R-6
3 SYLVAN AVE	6,396.91	2,428.73	3,968.18	2,781.08	R-1C	R-6
30 SYLVAN AVE	5,652.06	2,803.16	2,848.90	2,950.18	R-1C	R-6
31 SYLVAN AVE	5,655.18	2,658.54	2,996.65	2,842.18	R-1C	R-6
32 SYLVAN AVE	5,670.99	2,382.22	3,288.77	2,637.31	R-1C	R-6
33 SYLVAN AVE	5,671.51	3,192.93	2,478.58	3,245.43	R-1C	R-6
34 SYLVAN AVE	5,690.09	2,735.59	2,954.50	2,905.20	R-1C	R-6
35 SYLVAN AVE	5,688.27	2,898.93	2,789.34	3,027.44	R-1C	R-6
36 SYLVAN AVE	5,708.97	3,205.08	2,503.89	3,260.15	R-1C	R-6
37 SYLVAN AVE	5,704.54	3,088.04	2,616.50	3,171.71	R-1C	R-6
38 SYLVAN AVE	5,728.09	3,220.64	2,507.46	3,274.69	R-1C	R-6
39 SYLVAN AVE	5,721.14	2,857.26	2,863.88	3,001.11	R-1C	R-6
40 SYLVAN AVE	5,747.04	2,337.10	3,409.95	2,614.88	R-1C	R-6
41 SYLVAN AVE	5,737.83	2,481.18	3,256.65	2,721.56	R-1C	R-6
42 SYLVAN AVE	5,766.12	2,681.61	3,084.50	2,876.13	R-1C	R-6
43 SYLVAN AVE	5,754.18	1,743.86	4,010.32	2,171.03	R-1C	R-6
44 SYLVAN AVE	5,785.06	2,848.77	2,936.29	3,004.34	R-1C	R-6
45 SYLVAN AVE	5,770.84	1,722.69	4,048.16	2,157.64	R-1C	R-6
46 SYLVAN AVE	5,804.10	1,924.25	3,879.86	2,313.80	R-1C	R-6
47 SYLVAN AVE	5,787.28	2,787.33	2,999.94	2,958.59	R-1C	R-6
48 SYLVAN AVE	6,209.25	1,642.61	4,566.64	2,163.34	R-1C	R-6
49 SYLVAN AVE	5,803.95	1,757.90	4,046.05	2,189.02	R-1C	R-6
5 SYLVAN AVE	6,425.70	3,039.17	3,386.53	3,243.24	R-1C	R-6
51 SYLVAN AVE	5,820.32	2,543.84	3,276.48	2,780.92	R-1C	R-6

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
52 SYLVAN AVE	5,550.17	1,829.65	3,720.52	2,204.76	R-1C	R-6
54 SYLVAN AVE	5,889.59	1,600.50	4,289.09	2,083.81	R-1C	R-6
55 SYLVAN AVE	11,690.36	2,659.23	9,031.13	3,747.98	R-1C	R-6
56 SYLVAN AVE	5,914.84	1,932.02	3,982.83	2,336.24	R-1C	R-6
57 SYLVAN AVE	5,869.89	2,452.66	3,417.23	2,719.98	R-1C	R-6
58 SYLVAN AVE	5,934.00	2,994.97	2,939.03	3,136.33	R-1C	R-6
59 SYLVAN AVE	5,886.59	3,376.10	2,510.49	3,415.06	R-1C	R-6
6 SYLVAN AVE	6,465.69	2,890.66	3,575.02	3,137.85	R-1C	R-6
60 SYLVAN AVE	5,953.16	1,266.45	4,686.71	1,842.81	R-1C	R-6
61 SYLVAN AVE	5,902.96	3,777.50	2,125.46	3,718.57	R-1C	R-6
62 SYLVAN AVE	5,972.25	2,211.36	3,760.89	2,554.36	R-1C	R-6
63 SYLVAN AVE	5,919.64	1,194.91	4,724.73	1,784.13	R-1C	R-6
64 SYLVAN AVE	5,991.25	2,388.58	3,602.67	2,690.12	R-1C	R-6
65 SYLVAN AVE	5,936.05	2,423.35	3,512.70	2,707.92	R-1C	R-6
66 SYLVAN AVE	6,010.39	2,656.77	3,353.62	2,894.13	R-1C	R-6
68 SYLVAN AVE	6,029.64	1,239.61	4,790.03	1,834.16	R-1C	R-6
7 SYLVAN AVE	6,454.75	2,926.16	3,528.59	3,162.83	R-1C	R-6
70 SYLVAN AVE	6,048.70	2,391.04	3,657.66	2,700.59	R-1C	R-6
8 SYLVAN AVE	6,492.20	2,471.09	4,021.11	2,827.15	R-1C	R-6
9 SYLVAN AVE	6,483.64	2,946.83	3,536.81	3,182.67	R-1C	R-6
23 WELLESLEY DR	4,700.22	2,159.22	2,541.00	2,324.44	R-1D	R-6
24 WELLESLEY DR	4,352.64	2,571.59	1,781.05	2,581.59	R-1D	R-6
25 WELLESLEY DR	4,474.28	2,870.50	1,603.77	2,824.02	R-1D	R-6
26 WELLESLEY DR	4,361.79	2,099.73	2,262.05	2,229.07	R-1D	R-6
27 WELLESLEY DR	4,592.12	3,315.70	1,276.41	3,175.60	R-1D	R-6
28 WELLESLEY DR	4,371.29	2,640.65	1,730.64	2,636.18	R-1D	R-6
29 WELLESLEY DR	4,595.58	2,615.56	1,980.02	2,651.01	R-1D	R-6
30 WELLESLEY DR	4,380.58	2,618.50	1,762.08	2,620.96	R-1D	R-6
31 WELLESLEY DR	4,598.93	2,349.44	2,249.48	2,451.92	R-1D	R-6
32 WELLESLEY DR	4,389.87	2,256.01	2,133.86	2,350.49	R-1D	R-6
33 WELLESLEY DR	4,602.18	2,276.13	2,326.05	2,397.42	R-1D	R-6
34 WELLESLEY DR	4,399.22	2,831.56	1,567.67	2,783.55	R-1D	R-6
35 WELLESLEY DR	4,605.60	2,281.93	2,323.66	2,402.29	R-1D	R-6
36 WELLESLEY DR	4,408.63	1,672.82	2,735.81	1,915.91	R-1D	R-6
37 WELLESLEY DR	4,608.88	2,532.99	2,075.90	2,591.07	R-1D	R-6
38 WELLESLEY DR	4,417.80	2,197.97	2,219.82	2,311.15	R-1D	R-6
39 WELLESLEY DR	4,612.29	2,784.68	1,827.62	2,780.35	R-1D	R-6
40 WELLESLEY DR	4,425.85	3,192.94	1,232.91	3,058.59	R-1D	R-6
41 WELLESLEY DR	6,148.61	1,666.15	4,482.46	2,171.90	R-1D	R-6
42 WELLESLEY DR	5,546.99	1,577.98	3,969.02	2,015.53	R-1D	R-6
43 WELLESLEY DR	6,358.91	2,130.90	4,228.01	2,552.01	R-1D	R-6
44 WELLESLEY DR	4,481.72	1,603.99	2,877.73	1,875.25	R-1D	R-6
45 WELLESLEY DR	4,617.19	3,215.40	1,401.79	3,104.13	R-1D	R-6
46 WELLESLEY DR	4,514.12	2,690.41	1,823.71	2,694.93	R-1D	R-6
47 WELLESLEY DR	4,620.26	2,737.78	1,882.48	2,746.38	R-1D	R-6
48 WELLESLEY DR	4,525.42	2,642.52	1,882.91	2,660.70	R-1D	R-6
49 WELLESLEY DR	4,623.66	2,847.01	1,776.65	2,828.81	R-1D	R-6
50 WELLESLEY DR	4,536.82	2,103.59	2,433.23	2,258.22	R-1D	R-6
51 WELLESLEY DR	4,626.89	2,459.76	2,167.13	2,538.85	R-1D	R-6

3 Supplemental Information

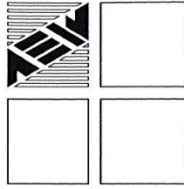
ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
52 WELLESLEY DR	4,547.96	2,334.42	2,213.55	2,433.01	R-1D	R-6
53 WELLESLEY DR	4,630.28	3,049.95	1,580.32	2,982.01	R-1D	R-6
54 WELLESLEY DR	4,559.41	2,173.00	2,386.41	2,313.67	R-1D	R-6
55 WELLESLEY DR	4,633.39	2,648.50	1,984.89	2,681.38	R-1D	R-6
56 WELLESLEY DR	4,570.81	2,936.42	1,634.38	2,887.94	R-1D	R-6
57 WELLESLEY DR	4,636.75	1,231.70	3,405.05	1,619.29	R-1D	R-6
58 WELLESLEY DR	4,582.10	2,247.41	2,334.69	2,372.87	R-1D	R-6
59 WELLESLEY DR	4,639.98	2,673.11	1,966.87	2,700.83	R-1D	R-6
60 WELLESLEY DR	4,593.43	2,811.75	1,781.69	2,797.83	R-1D	R-6
61 WELLESLEY DR	4,643.37	2,804.87	1,838.50	2,800.16	R-1D	R-6
62 WELLESLEY DR	4,604.81	2,389.20	2,215.62	2,482.62	R-1D	R-6
63 WELLESLEY DR	4,646.48	2,938.03	1,708.44	2,900.50	R-1D	R-6
64 WELLESLEY DR	4,615.17	2,550.95	2,064.23	2,605.49	R-1D	R-6
65 WELLESLEY DR	4,649.94	2,039.40	2,610.54	2,227.04	R-1D	R-6
66 WELLESLEY DR	4,626.36	2,517.67	2,108.69	2,582.21	R-1D	R-6
67 WELLESLEY DR	4,653.02	2,437.20	2,215.82	2,525.85	R-1D	R-6
68 WELLESLEY DR	4,637.89	2,069.30	2,568.59	2,247.66	R-1D	R-6
69 WELLESLEY DR	4,656.45	2,429.36	2,227.09	2,520.49	R-1D	R-6
70 WELLESLEY DR	4,649.10	2,200.53	2,448.57	2,347.76	R-1D	R-6
71 WELLESLEY DR	4,659.54	1,578.99	3,080.55	1,883.17	R-1D	R-6
72 WELLESLEY DR	4,660.50	2,326.77	2,333.74	2,444.15	R-1D	R-6
73 WELLESLEY DR	4,663.03	2,639.62	2,023.42	2,679.17	R-1D	R-6
74 WELLESLEY DR	4,671.80	2,590.10	2,081.70	2,643.35	R-1D	R-6
75 WELLESLEY DR	4,666.12	3,220.97	1,445.15	3,115.65	R-1D	R-6
76 WELLESLEY DR	4,683.04	2,664.72	2,018.32	2,701.00	R-1D	R-6
77 WELLESLEY DR	4,669.56	2,214.28	2,455.28	2,361.14	R-1D	R-6
78 WELLESLEY DR	4,694.55	3,306.04	1,388.51	3,183.71	R-1D	R-6
79 WELLESLEY DR	4,672.69	1,716.70	2,955.99	1,988.43	R-1D	R-6
80 WELLESLEY DR	4,705.67	2,725.91	1,979.76	2,750.28	R-1D	R-6
81 WELLESLEY DR	4,676.09	2,515.89	2,160.20	2,588.33	R-1D	R-6
82 WELLESLEY DR	4,717.13	2,633.41	2,083.72	2,682.63	R-1D	R-6
83 WELLESLEY DR	4,679.29	3,732.09	947.19	3,500.96	R-1D	R-6
84 WELLESLEY DR	6,989.35	2,793.72	4,195.63	3,143.69	R-1D	R-6
85 WELLESLEY DR	4,682.60	2,757.96	1,924.64	2,770.86	R-1D	R-6
88 WELLESLEY DR	5,934.28	2,865.83	3,068.45	3,039.52	R-1D	R-6
90 WELLESLEY DR	9,711.51	2,548.52	7,163.00	3,368.12	R-1D	R-6
1 WELLESLEY DR	11,509.93	2,749.01	8,760.91	3,788.25	R-1C	R-6
10 WELLESLEY DR	5,340.13	3,011.42	2,328.71	3,059.58	R-1C	R-6
11 WELLESLEY DR	5,701.15	3,028.81	2,672.35	3,126.78	R-1C	R-6
12 WELLESLEY DR	5,354.68	2,733.50	2,621.18	2,853.33	R-1C	R-6
13 WELLESLEY DR	5,706.42	1,503.97	4,202.45	1,983.94	R-1C	R-6
14 WELLESLEY DR	5,369.32	2,450.01	2,919.32	2,642.90	R-1C	R-6
15 WELLESLEY DR	5,711.43	3,664.38	2,047.05	3,605.00	R-1C	R-6
16 WELLESLEY DR	8,621.06	3,063.32	5,557.74	3,590.65	R-1C	R-6
17 WELLESLEY DR	5,716.82	3,046.91	2,669.91	3,142.71	R-1C	R-6
19 WELLESLEY DR	5,721.95	2,886.53	2,835.42	3,023.19	R-1C	R-6
20 WELLESLEY DR	7,574.11	3,434.33	4,139.79	3,711.86	R-1C	R-6
21 WELLESLEY DR	5,727.27	2,475.70	3,251.57	2,715.86	R-1C	R-6
22 WELLESLEY DR	5,426.31	1,253.53	4,172.78	1,754.09	R-1C	R-6

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
5 WELLESLEY DR	5,685.39	2,574.45	3,110.94	2,783.65	R-1C	R-6
6 WELLESLEY DR	4,577.57	1,368.39	3,209.19	1,712.93	R-1C	R-6
7 WELLESLEY DR	5,690.73	2,574.33	3,116.39	2,784.36	R-1C	R-6
8 WELLESLEY DR	5,325.60	2,599.74	2,725.86	2,748.65	R-1C	R-6
9 WELLESLEY DR	5,695.84	2,634.05	3,061.78	2,829.92	R-1C	R-6
1 WOODSIDE PARK BLVD	12,800.52	2,875.01	9,925.50	4,076.34	R-1D	RX4
1 WOODSIDE PARK BLVD # A	9,600.97	2,687.33	6,913.64	3,455.64	R-1D	RX4
10 WOODSIDE PARK BLVD	8,550.03	2,999.93	5,550.10	3,532.45	R-1D	RX4
11 WOODSIDE PARK BLVD	8,099.97	3,227.99	4,871.98	3,635.99	R-1D	RX4
12 WOODSIDE PARK BLVD	8,399.91	3,213.25	5,186.66	3,669.92	R-1D	RX4
14 WOODSIDE PARK BLVD	12,149.98	4,148.72	8,001.26	4,934.04	R-1D	RX4
15 WOODSIDE PARK BLVD	7,500.04	3,085.77	4,414.27	3,439.34	R-1D	RX4
16 WOODSIDE PARK BLVD	7,200.09	1,618.02	5,582.07	2,293.53	R-1D	RX4
17 WOODSIDE PARK BLVD	7,499.97	3,285.03	4,214.94	3,588.77	R-1D	RX4
18 WOODSIDE PARK BLVD	6,899.97	4,915.38	1,984.58	4,721.53	R-1D	RX4
19 WOODSIDE PARK BLVD	7,499.98	3,148.45	4,351.53	3,486.33	R-1D	RX4
2 WOODSIDE PARK BLVD	8,160.00	3,903.70	4,256.30	4,151.77	R-1D	RX4
20 WOODSIDE PARK BLVD	6,900.01	3,915.04	2,984.97	3,971.28	R-1D	RX4
21 WOODSIDE PARK BLVD	7,500.05	3,066.15	4,433.90	3,424.62	R-1D	RX4
22 WOODSIDE PARK BLVD	6,900.04	3,453.63	3,446.41	3,625.23	R-1D	RX4
23 WOODSIDE PARK BLVD	7,199.98	3,016.10	4,183.88	3,342.07	R-1D	RX4
24 WOODSIDE PARK BLVD	6,899.97	3,307.54	3,592.44	3,515.65	R-1D	RX4
25 WOODSIDE PARK BLVD	7,200.05	3,234.61	3,965.44	3,505.96	R-1D	RX4
26 WOODSIDE PARK BLVD	6,900.04	3,319.07	3,580.98	3,524.31	R-1D	RX4
27 WOODSIDE PARK BLVD	7,200.01	2,893.80	4,306.21	3,250.35	R-1D	RX4
28 WOODSIDE PARK BLVD	6,900.03	3,338.44	3,561.59	3,538.84	R-1D	RX4
29 WOODSIDE PARK BLVD	7,199.98	2,698.01	4,501.97	3,103.51	R-1D	RX4
3 WOODSIDE PARK BLVD	8,999.91	3,691.92	5,307.99	4,118.93	R-1D	RX4
30 WOODSIDE PARK BLVD	6,899.99	3,150.11	3,749.88	3,397.58	R-1D	RX4
31 WOODSIDE PARK BLVD	15,519.17	2,305.27	13,213.90	4,056.83	R-1C	RX4
32 WOODSIDE PARK BLVD	11,755.81	2,574.45	9,181.36	3,694.21	R-1C	RX4
4 WOODSIDE PARK BLVD	13,120.51	3,922.96	9,197.55	4,910.30	R-1D	RX4
5 WOODSIDE PARK BLVD	9,000.08	3,508.65	5,491.42	3,981.50	R-1D	RX4
6 WOODSIDE PARK BLVD	8,999.96	3,406.60	5,593.36	3,904.94	R-1D	RX4
7 WOODSIDE PARK BLVD	8,999.89	3,224.76	5,775.14	3,768.55	R-1D	RX4
8 WOODSIDE PARK BLVD	9,000.04	3,726.35	5,273.70	4,144.77	R-1D	RX4
9 WOODSIDE PARK BLVD	9,000.08	3,623.66	5,376.42	4,067.76	R-1D	RX4
11 WOODWARD HEIGHTS BLVD	6,092.17	2,080.82	4,011.35	2,474.44	R-1C	R-7
17 WOODWARD HEIGHTS BLVD	5,995.83	3,298.24	2,697.59	3,373.05	R-1C	R-7
19 WOODWARD HEIGHTS BLVD	5,551.86	1,918.27	3,633.59	2,271.48	R-1C	R-7
23 WOODWARD HEIGHTS BLVD	5,560.89	1,542.68	4,018.21	1,991.14	R-1C	R-7
25 WOODWARD HEIGHTS BLVD	5,570.11	1,942.08	3,628.03	2,292.07	R-1C	R-7
27 WOODWARD HEIGHTS BLVD	5,579.04	2,746.22	2,832.82	2,896.52	R-1C	R-7
29 WOODWARD HEIGHTS BLVD	5,588.04	1,496.85	4,091.19	1,960.84	R-1C	R-7
3 WOODWARD HEIGHTS BLVD	11,246.14	2,516.70	8,729.44	3,574.45	R-1C	R-7
33 WOODWARD HEIGHTS BLVD	5,597.14	2,686.65	2,910.49	2,854.56	R-1C	R-7
35 WOODWARD HEIGHTS BLVD	5,606.29	2,505.71	3,100.58	2,720.22	R-1C	R-7
37 WOODWARD HEIGHTS BLVD	5,615.20	2,764.38	2,850.82	2,915.57	R-1C	R-7
39 WOODWARD HEIGHTS BLVD	5,624.32	2,945.88	2,678.43	3,053.06	R-1C	R-7

3 Supplemental Information

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
41 WOODWARD HEIGHTS BLVD	5,633.36	1,691.53	3,941.83	2,113.65	R-1C	R-7
45 WOODWARD HEIGHTS BLVD	5,642.48	1,576.56	4,065.92	2,028.79	R-1C	R-7
47 WOODWARD HEIGHTS BLVD	5,651.49	2,184.51	3,466.97	2,486.11	R-1C	R-7
49 WOODWARD HEIGHTS BLVD	5,677.57	1,874.94	3,802.62	2,257.84	R-1C	R-7
5 WOODWARD HEIGHTS BLVD	6,508.76	2,562.78	3,945.98	2,898.40	R-1C	R-7
53 WOODWARD HEIGHTS BLVD	5,193.53	2,236.37	2,957.15	2,456.31	R-1C	R-7
57 WOODWARD HEIGHTS BLVD	6,364.65	1,558.72	4,805.93	2,123.74	R-1C	R-7
59 WOODWARD HEIGHTS BLVD	5,864.57	2,684.46	3,180.10	2,893.03	R-1C	R-7
63 WOODWARD HEIGHTS BLVD	5,878.62	2,467.13	3,411.49	2,732.14	R-1C	R-7
65 WOODWARD HEIGHTS BLVD	5,892.76	3,350.87	2,541.89	3,397.06	R-1C	R-7
67 WOODWARD HEIGHTS BLVD	5,906.69	3,835.87	2,070.82	3,762.91	R-1C	R-7
71 WOODWARD HEIGHTS BLVD	5,920.77	2,554.00	3,366.77	2,803.62	R-1C	R-7
73 WOODWARD HEIGHTS BLVD	5,934.83	2,431.12	3,503.71	2,713.56	R-1C	R-7
75 WOODWARD HEIGHTS BLVD	5,948.82	2,973.96	2,974.85	3,122.79	R-1C	R-7
77 WOODWARD HEIGHTS BLVD	5,963.02	2,435.00	3,528.03	2,720.70	R-1C	R-7
79 WOODWARD HEIGHTS BLVD	5,976.90	3,149.81	2,827.09	3,258.89	R-1C	R-7
81 WOODWARD HEIGHTS BLVD	5,990.09	1,445.39	4,544.70	1,982.55	R-1C	R-7
9 WOODWARD HEIGHTS BLVD	6,529.49	2,588.83	3,940.66	2,921.04	R-1C	R-7
10 WOODWARD HEIGHTS BLVD	7,306.68	2,536.52	4,770.17	2,998.39	R2	R-7
12 WOODWARD HEIGHTS BLVD	7,314.42	2,927.07	4,387.35	3,292.47	R2	R-7
14 WOODWARD HEIGHTS BLVD	7,257.67	4,693.37	2,564.30	4,608.68	R2	R-7
16 WOODWARD HEIGHTS BLVD	7,200.37	2,540.85	4,659.52	2,985.69	R2	R-7
18 WOODWARD HEIGHTS BLVD	7,143.48	3,000.56	4,142.92	3,321.94	R2	R-7
20 WOODWARD HEIGHTS BLVD	7,086.47	3,270.69	3,815.78	3,515.99	R2	R-7
22 WOODWARD HEIGHTS BLVD	7,029.48	1,466.42	5,563.06	2,154.23	R2	R-7
24 WOODWARD HEIGHTS BLVD	6,985.08	3,256.60	3,728.48	3,490.21	R2	R-7
26 WOODWARD HEIGHTS BLVD	6,902.88	4,278.21	2,624.67	4,244.09	R2	R-7
28 WOODWARD HEIGHTS BLVD	6,858.45	2,622.95	4,235.50	2,995.98	R2	R-7
30 WOODWARD HEIGHTS BLVD	6,801.33	2,974.19	3,827.14	3,250.84	R2	R-7
32 WOODWARD HEIGHTS BLVD	6,744.51	2,229.94	4,514.57	2,684.13	R2	R-7
34 WOODWARD HEIGHTS BLVD	6,687.42	2,521.63	4,165.79	2,894.34	R2	R-7
36 WOODWARD HEIGHTS BLVD	6,630.49	2,277.50	4,353.00	2,702.70	R2	R-7
38 WOODWARD HEIGHTS BLVD	6,573.45	3,733.30	2,840.15	3,785.99	R2	R-7
40 WOODWARD HEIGHTS BLVD	6,516.51	2,912.69	3,603.82	3,161.99	R2	R-7
44 WOODWARD HEIGHTS BLVD	6,402.48	3,324.79	3,077.69	3,453.97	R2	R-7
46 WOODWARD HEIGHTS BLVD	6,345.29	2,156.46	4,188.82	2,569.14	R2	R-7
48 WOODWARD HEIGHTS BLVD	6,288.43	2,653.94	3,634.49	2,933.72	R2	R-7
50 WOODWARD HEIGHTS BLVD	6,231.31	1,808.71	4,422.60	2,291.23	R2	R-7
52 WOODWARD HEIGHTS BLVD	6,174.36	3,514.74	2,659.62	3,562.21	R2	R-7
54 WOODWARD HEIGHTS BLVD	6,117.34	1,857.01	4,260.33	2,310.36	R2	R-7
56 WOODWARD HEIGHTS BLVD	6,060.40	1,983.72	4,076.68	2,396.85	R2	R-7
58 WOODWARD HEIGHTS BLVD	6,003.24	2,347.11	3,656.14	2,660.82	R2	R-7
60 WOODWARD HEIGHTS BLVD	5,946.30	3,491.80	2,454.50	3,510.80	R2	R-7
62 WOODWARD HEIGHTS BLVD	8,812.72	2,248.55	6,564.17	3,008.32	R2	R-7
66 WOODWARD HEIGHTS BLVD	8,684.44	3,086.05	5,598.38	3,617.20	R2	R-7
68 WOODWARD HEIGHTS BLVD	5,718.31	1,473.75	4,244.56	1,963.06	R2	R-7
70 WOODWARD HEIGHTS BLVD	5,661.33	2,930.06	2,731.27	3,046.75	R2	R-7
72 WOODWARD HEIGHTS BLVD	5,604.24	3,571.27	2,032.97	3,519.09	R2	R-7
74 WOODWARD HEIGHTS BLVD	5,547.44	1,579.22	3,968.22	2,016.53	R2	R-7

ADDRESS	PARCEL AREA	IMPERVIOUS AREA	PERVIOUS AREA	RUNOFF AREA	ZONING	NEIGHBORHOOD
76 WOODWARD HEIGHTS BLVD	5,490.22	1,897.94	3,592.28	2,246.99	R2	R-7
78 WOODWARD HEIGHTS BLVD	5,433.27	1,447.00	3,986.26	1,900.24	R2	R-7
80 WOODWARD HEIGHTS BLVD	5,376.35	2,372.10	3,004.25	2,585.53	R2	R-7
82 WOODWARD HEIGHTS BLVD	6,068.07	2,289.11	3,778.96	2,627.04	R2	R-7
23622 WOODWARD AVE	9,061.62	9,061.58	0.04	8,155.43	C	CRL
23634 WOODWARD AVE	4,530.36	4,530.00	0.36	4,077.05	C	COF
23647 WOODWARD AVE	9,123.16	5,796.71	3,326.46	5,716.00	C	COF
23650 WOODWARD AVE	6,795.44	6,795.39	0.05	6,115.86	RO	COF
23675 WOODWARD AVE	9,013.82	6,340.03	2,673.79	6,107.10	C	COF
23690 WOODWARD AVE	20,625.82	17,416.50	3,209.32	16,156.25	RO	CMT
23700 WOODWARD AVE	13,787.34	13,175.16	612.18	11,949.47	C	NSC
23701 WOODWARD AVE	16,024.89	16,024.78	0.11	14,422.32	C	CRM
23733 WOODWARD AVE	14,021.46	14,021.32	0.13	12,619.21	C	AUT
23760 WOODWARD AVE	5,802.86	4,471.73	1,331.14	4,224.22	C	COF
23800 WOODWARD AVE	16,661.97	13,284.45	3,377.51	12,462.64	C	COF
23810 WOODWARD AVE	6,855.89	5,932.27	923.62	5,477.59	C	COF
23900 WOODWARD AVE	10,408.61	10,467.43	-58.82	9,411.86	C	CRL
23992 WOODWARD AVE	13,523.88	8,950.80	4,573.20	8,741.70	RM	K-1
24028 WOODWARD AVE	33,314.24	31,934.82	1,379.41	28,948.25	C	BNK
24052 WOODWARD AVE	13,477.53	10,549.01	2,928.52	9,933.39	C	CRL
24100 WOODWARD AVE	6,404.08	4,887.27	1,516.80	4,626.07	C	COF
24126 WOODWARD AVE	3,696.96	3,068.74	628.22	2,856.10	C	COF
24200 WOODWARD AVE	11,334.21	9,195.17	2,139.04	8,596.51	C	COF
24220 WOODWARD AVE	11,679.07	10,020.24	1,658.82	9,267.04	C	CRL
24280 WOODWARD AVE	36,743.12	32,964.58	3,778.54	30,234.90	RO	COF
400 E 10 MILE RD	47,816.98	41,692.09	6,124.89	38,441.61	M	INL
404 E 10 MILE RD	80,902.37	79,638.09	1,264.29	71,863.92	M	INL
6 WOODWARD HEIGHTS BLVD	8,033.62	3,841.16	4,192.45	4,085.91	R2	APT
660 E 10 MILE RD	165,712.39	163,734.43	1,977.97	147,657.68	M	IVL



ANDERSON, ECKSTEIN AND WESTRICK, INC.

51301 Schoenherr Road, Shelby Township, Michigan 48315
Civil Engineers • Surveyors • Architects 586-726-1234

February 1, 2016

James Breuckman, City Manager
City of Pleasant Ridge
23925 Woodward Avenue
Pleasant Ridge, Michigan 48069

Reference: Impervious Surface Analysis
AEW Project No. 0175-0075.

Dear Mr. Breuckman:

As requested, we have reviewed the impervious surface analysis provided on November 20, 2015 to check and verify the GIS layers and runoff calculations. Below are a few comments in regards to our review.

1. The information from the GIS layer appears to correlate with the associated parcels.
2. The runoff area calculation appears to be correct for each parcel. The runoff areas in the excel spreadsheet are calculated by taking the impervious area and multiplying by a runoff coefficient of 0.90 (typical for impervious areas) and adding the pervious area multiplied by a runoff coefficient of 0.15 (typical for flat sloped greenbelt areas). This method is more accurate than using an average runoff coefficient such as 0.55, like we use now when designing new subdivisions, because you are taking into account the actual impervious area of each parcel.
3. The calculated area of an ERU is 3,609 sft and the cost per ERU calculated to be \$268.93. Based on the data in the spreadsheet, the calculations appear to be correct.
4. The average ERU per street was calculated by taking the average runoff area per street and dividing the calculated square feet of an ERU.

If you have any questions, please let me know.

Sincerely,

Michael D. Smith, PE
Senior Project Engineer

cc: Roy C. Rose, PE, AEW

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Fax 586-726-8780

Engineering Strong Communities

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Wolf v. City of Birmingham FAQ's

1. **What is the *Wolf v. the City of Birmingham* class action lawsuit about?**

The City of Birmingham, along with seven other communities to date, were served with class action lawsuits beginning in 2014 claiming a violation of the criteria for allocating stormwater charges under the *Bolt v. City of Lansing* case.

2. **What was the *Bolt v. City of Lansing* case about?**

The City of Lansing imposed a stormwater utility fee in addition to their stormwater charge on virtually all properties in the city to pay for the city's stormwater and sanitary sewer separation project. The Michigan Supreme Court ruled that the stormwater utility fee imposed by Lansing was unconstitutional on the basis that it was a tax and not a valid use fee. The Court established three criteria for distinguishing between a fee and a tax: 1) the user fee must serve a regulatory purpose; 2) a user fee must be proportionate to the necessary cost of service; and 3) a user fee must be voluntary and property owners must be able to refuse or limit their use of the commodity or service.

3. **How does the *Bolt* case affect Birmingham?**

The City of Birmingham, like most communities throughout the state, attribute stormwater charges based on the amount of water that is consumed based on a water meter. This methodology in determining stormwater charges is fairly consistent among communities and has been administered this way for decades. This City does not add any additional utility fees to this charge. However, over time additional rulings from the Michigan Court of Appeals have helped further refine the ruling in the Bolt case as to the specifics of how stormwater charges are allocated. Included in this was the issue of proportionally allocating stormwater charges. The proportionality issue refined by the courts does not coincide with how many communities, including Birmingham, have historically allocated these charges. As a result Birmingham was sued alleging the last two years of stormwater charges was unconstitutional.

4. **What other communities have been sued so far under this determination?**

The City of Jackson, City of Ferndale, City of Royal Oak, City of Oak Park, City of Dearborn, City of Detroit and Oakland Township.



Wolf v. City of Birmingham FAQ's

(Continued)

5. **How much did the City of Birmingham get sued for?**

The City of Birmingham is charged approximately \$2,250,000 annually by the Oakland County Water Resource Commission for stormwater charges, which is then billed to Birmingham water users. The lawsuit is seeking two years of stormwater charges of approximately \$4.5 million, however, the City reached a settlement of \$2,850,000.

6. **Will this settlement increase my taxes?**

No. The costs associated with this lawsuit will be paid from existing reserves.

7. **Will this settlement increase my water bill?**

No, the settlement itself will not increase your water bill. The settlement is being paid out of existing reserves. However, as part of the settlement, the City will need to change how costs associated with stormwater disposal are billed to rate payers.

8. **How will the City charge stormwater to residents in the future?**

The City will charge stormwater costs to residents based on a proration of each property's contribution to stormwater. Factors in determining each property's contribution include: lot size and percentage of pervious and impervious surfaces on the property. The City is consulting with an engineering firm to assist with the calculation and how to administer the calculation going forward. The amount will appear on your quarterly water/sewer bill as a separate itemized cost.

9. **How will the new stormwater charges effect my water bill?**

Stormwater costs will be removed from the sanitary sewer rate (which is charged based on water consumption) and charged separately on the water bill as an itemized cost. Individual residents will experience different results based on their property's proportional share of stormwater costs. Some residents may see an increase in their quarterly water bill and others may see a decrease.





City of Pleasant Ridge

James Breuckman, City Manager

From: Jim Breuckman, City Manager
To: City Commission
Date: March 10, 2016
Re: Ordinance 417 – Municipal Civil Infractions Zoning Ordinance Amendment

Overview

Attached is a zoning amendment that would reclassify infractions against the zoning ordinance as municipal civil infractions instead of criminal misdemeanors. The Planning Commission held a public hearing and recommended adoption of the amendment at its February 22 meeting.

Requested Action

Schedule a public hearing for the April 12, 2016 meeting for the proposed zoning amendment.

Background

Currently violations against the zoning ordinance are classified as criminal misdemeanors, and are processed through the 45th District Court. Municipal civil infractions are processed locally through the City and do not involve the 45th District Court unless the individual against whom the ticket was written challenges the ticket.

This accomplishes two ends – it decriminalizes offenses and it also allows for a more streamlined process which can be handled entirely through Pleasant Ridge City Hall. The purpose of criminal citations is to provide punishment for a violation of the law. The purpose of municipal civil infractions is not to mete out punishment but rather to correct the violation.

The City Commission recently approved an amendment to the City Code of Ordinances establishing a local municipal civil infractions bureau. Our next step is to now reclassify certain violations of local ordinance as municipal civil infractions rather than criminal misdemeanors.

CITY OF PLEASANT RIDGE
Ordinance No. ____

AN ORDINANCE TO AMEND THE CITY OF PLEASANT RIDGE CODE OF ORDINANCES, CHAPTER 82 – ZONING.

THE CITY OF PLEASANT RIDGE ORDAINS:

Section 1.

The following sections of Chapter 82, Zoning, of the Pleasant Ridge City Code are amended as follows:

1. Section 82-6, Violations, is amended in its entirety to read as follows:

Violations of any of the provisions of this chapter shall be municipal civil infractions.

2. Section 82-8, Fines and Imprisonment, is amended to read in its entirety as follows:

The owner of any building, structure or premises or part thereof, where any condition in violation of this chapter shall exist or shall be created, and who has assisted knowingly in the commission of such violation shall be deemed responsible for a separate offense and, upon conviction thereof, shall be liable for the fines and other sanctions provided by Section 1.7.

Section 2. Severability.

Should any provision or part of this Article be declared by any court of competent jurisdiction to be invalid or unenforceable, the same shall not affect the validity or enforceability of the balance of this Article, which shall remain in full force and effect.

Section 3. Repealer.

All other ordinances or parts of ordinances in conflict with this ordinance are hereby repealed only to the extent necessary to give this Ordinance full force and effect.

Section 4. Savings clause.

Nothing in this Article shall be construed to affect any suit or proceeding pending in any court or any rights acquired or any liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section 8 of this Ordinance; nor shall any just or legal right or remedy of any character be lost, impaired, or affected by this Ordinance.

Section 4. Effective Date.

This Ordinance shall become effective seven days after publication of a notice of adoption, as provided by law.

Section 5. Adoption.

This Ordinance is hereby declared to have been adopted by the Commission of the City of Pleasant Ridge at a meeting duly called and held on the ____ day of _____, 2016, and ordered to be given publication in the manner prescribed by law.

James Breuckman, City Manager

Amy M. Drealan, City Clerk

MEMORANDUM

TO: Pleasant Ridge City Commission
FROM: Gregory K. Need
RE: Municipal Civil Infraction
DATE: March 9, 2016

Submitted for introduction is a proposed ordinance amendment, which is the final step in the municipal civil infraction process. This amendment does the following:

Item 1 increases the civil fine for a first offense from \$50.00 to \$100.00, and clarifies language with regard to repeat offenses.

Item 2 converts the penalty for violating Section 18-50 regarding licensure of landlords from a misdemeanor to a civil infraction.

Item 3 converts the penalty for violating Section 18-131 regarding peddlers' license from a misdemeanor to a civil infraction.

Item 4 makes a small change to clarify paragraph and section designations in the amendments previously adopted by the Commission.

Item 5 deletes Section 38-3, dealing with smoke detectors, which topic is now covered by the Michigan State Construction Code.

Item 6 adds a new Chapter 70, Article V, which continues and formally establishes a parking violations bureau for the City, which the City has been utilizing. The amendments set forth the process and also establish a schedule of parking fines.

Item 7 changes the penalty for violating Section 74-29 to provide that any person who willfully or carelessly breaks, destroys or tampers, etc. with any portion of the water system is guilty of a misdemeanor, instead of the current civil infraction designation.

Please feel free to call with any questions.

City of Pleasant Ridge
Ordinance No. _____

AN ORDINANCE TO AMEND THE PLEASANT RIDGE CITY CODE, CHAPTER 1, GENERAL PROVISIONS, SECTION 1-7(C), GENERAL PENALTY FOR VIOLATIONS OF CODE AND ORDINANCES; CONTINUING VIOLATIONS; CHAPTER 18, BUSINESSES, ARTICLE III, LICENSURE OF LANDLORDS, SECTION 18-50, VIOLATIONS; PENALTY, ARTICLE IV, PEDDLERS, SOLICITORS AND TRANSIENT MERCHANTS, SECTION 18-131, DISPLAY; CHAPTER 28, CIVIL INFRACTIONS, ARTICLE I, SECTION 28-10, PENALTIES; CHAPTER 38, FIRE PREVENTION AND PROTECTION, ARTICLE I, IN GENERAL, SECTION 38-3, SMOKE DETECTORS; CHAPTER 70, TRAFFIC AND VEHICLES, BY THE ADDITION OF ARTICLE V, PARKING VIOLATIONS AND BUREAU AND PARKING FINES, SECTION 70-89 – SECTION 70-93; AND CHAPTER 74, UTILITIES, ARTICLE II, WATER, DIVISION 1, GENERALLY, SECTION 74-29, INJURY TO FACILITIES.

THE CITY OF PLEASANT RIDGE HEREBY ORDAINS:

Section 1. Chapter 1, General Provisions, Section 1-7(c) is amended to read in its entirety as follows:

Except as otherwise provided by law, violations of this Code that are not declared to be misdemeanors are municipal civil infractions. Except as otherwise provided by law or ordinance, a person found responsible for a municipal civil infraction shall be subject to a sanction of a civil fine in the following amount, plus any costs, assessments, damages, expenses and other sanctions, as authorized by chapter 87 of the Revised Judicature Act of 1961 as amended, or any other applicable statute or court rule:

- (1) Unless otherwise specifically provided for a particular civil infraction, the civil fine for a violation shall be not less than \$100.00, plus any costs, assessments, damages, expenses and other sanctions, for each infraction.
- (2) Increased civil fines may be imposed for repeat offenses. In this subsection, “repeat offense” means a second or any subsequent municipal civil infraction violation of the same requirement or provision committed by the same person for which the person has admitted responsibility or is determined responsible. Unless specifically provided for a particular civil infraction violation, the increased fine for a repeat offense shall be as follows:
 - a. For the first repeat offense within one year of the prior offenses, a fine of not less than \$250.00, plus costs, assessments, damages, expenses and other sanctions.

- b. For a second repeat offense or any subsequent repeat offense within one year of the prior offense, a fine of not less than \$500.00, plus costs, assessments, damages, expenses and other sanctions.

Section 2. Chapter 18, Article III, Section 18-50 is amended to delete the second sentence, so as to read in its entirety as follows:

It shall be unlawful for any person to rent or lease any residential housing unit, or to renew any existing lease thereon, or to permit the occupancy or reoccupancy of any residential housing unit under a lease agreement or any other type of nonsale agreement except pursuant to a license as provided for in this article.

Section 3. Chapter 18, Article IV, Section 18-131 shall be amended to read in its entirety as follows:

Every peddler having a license issued under the provisions of this division and doing business within the city shall display his permit upon the request of any person.

Section 4. Chapter 28, Civil Infractions, Article I, Section 28-10 is amended as follows:

References in Section 28-10(c)(6) and (8) to “subsection d(8)”, “subsection d(8)(e)” and “subsection d(8)(f)” are hereby amended to read “subsection c(8)”, “subsection c(8)(e)” and “subsection c(8)(f)” respectively.

Section 6. Chapter 38, Fire Prevention and Protection, Article I, Section 38-3 is hereby deleted.

Section 7. Chapter 70, Traffic and Vehicles, is hereby amended to add a new Article V, Parking Violations Bureau and Parking Fines:

70-89. Parking Violations Bureau

- (a) A parking violations bureau, as heretofore exists, is hereby continued and established for the purpose of handling alleged parking violations within the City, pursuant to the authority of Section 8395 of the revised Judicature Act, Act 154, Public Acts of 1968, as amended (MCL 600.8395).
- (b) The office of the City Clerk shall be the Parking Violations Bureau, which office shall be authorized to accept civil infraction admissions in parking violation cases, and to collect and retain civil fines and costs as prescribed by this Article.

70-90. Parking Violations

- (a) Civil Infractions. All parking violations provided for in the Michigan Vehicle Code, as adopted by the City, with modifications, and in any chapter of this Code, shall be civil infractions as defined and provided for in the Michigan Vehicle Code. A violation of a parking regulation with the City shall be processed in the same manner as a civil infraction under the Michigan Vehicle Code.
- (b) Persons authorized to issue parking violations shall be the following: (1) any police officer of the City, and (2) any other individual appointed by the City Manager as a parking enforcement officer to issue parking violation notices and otherwise comply with the requirements of this Article.
- (c) Service of Notice and Presumption. In a civil infraction action involving the parking, stopping, or standing of a motor vehicle, a copy of the notice of parking violation need not be served personally upon the defendant, but may be served upon the registered owner by attaching a copy to the vehicle.
- (d) Parking Violation Tickets. The issuance of a parking violation ticket or other notice of violation by a police officer or other parking enforcement official of the City shall be deemed an allegation of a parking violation. Such traffic ticket or notice of violation shall indicate the length of time in which the person to whom it was issued must settle the violation with the parking violations bureau, the amount of the penalty, the address of the bureau, and the business hours of the bureau.

70-91. Admission of Guilt.

No violation may be settled at the parking violations bureau, except at the specific request of the alleged violator. No penalty for any violation shall be accepted from any person who denies having committed the offense. In no case shall the person who was in charge of the bureau determine, or attempt to determine, the truth or falsity of any fact or matter relating to the alleged violation. No person shall be required to dispose of a parking violation at the parking violations bureau, and all persons shall be entitled to have such violation processed before a court having jurisdiction thereof if they so desire.

70-92. Uniform Traffic Citation or Complaint

- (a) Failure to Pay Fine. If the parking violation fine is not paid by the date indicated on the parking violation notice, the Parking Violations Bureau shall return the notice to the officer who issued the violation. The officer may then file with the district court a uniform traffic citation or a sworn complaint regarding the

allegations stated in the parking violation notice. A copy of the citation or complaint, whichever is utilized, shall be mailed to the registered owner of the vehicle at his or her last known address.

- (b) **Persons Authorized to Issue.** A uniform traffic citation may be issued by a city police officer, or any parking enforcement officer, in lieu of a parking violation notice.

70-93. Parking Fines

- (a) The schedule of fines payable to the Parking Violations Bureau for parking violations shall be as follows:

1.	Parking within 500 feet of fire apparatus	\$ 40.00
2.	Parking within 15 feet of fire hydrant	\$ 40.00
3.	Parking in posted fire lane	\$ 40.00
4.	Parking within 20 feet of crosswalk or within 30 feet of a stop sign	\$ 25.00
5.	Double parking	\$ 25.00
6.	Improper parking	\$ 25.00
7.	Parking over 24 hours	\$ 25.00
8.	Prohibited parking	\$ 25.00
9.	Prohibited parking, handicapped	\$100.00
10.	Other violation	\$ 25.00

- (b) **Other Fines Under Michigan Vehicle Code.** All parking violations that are paid to or settled with the City Parking Violations Bureau shall be as provided in this section, unless another fine is specifically provided for in the Michigan Vehicle Code, which other provision shall prevail over what is set forth in this section.
- (c) **Unpaid or Unsettled Parking Violations.** If the parking violation is not settled or paid to the City Parking Violations Bureau as provided in this Article before it is reported to the district court, the fines and costs for the civil infraction shall be as is provided in the Michigan Vehicle Code.

Section 8. Chapter 74, Utilities, Article II, Division 1, Section 74-29, Injury to facilities, shall be amended to read in its entirety as follows:

No person, except an employee of the city in the performance of his duties, shall willfully or carelessly break, damage, destroy, uncover, deface or tamper with any structure, appurtenance or equipment which is a part of the city water distribution system. Any person violating the provisions of this section shall be guilty of a misdemeanor.

Section 9. **Effective Date**

This ordinance shall be effective 15 days after enactment and upon publication.

Introduced: Tuesday, March 15, 2016

Public Hearing:

Adopted:

Published:

Effective:

Amy M. Drealan, CMC
City Clerk

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City of Pleasant Ridge

Darren Humphreys, Water Clerk

From: Darren Humphreys, Water Clerk
 To: Mayor and City Commission
 Date: March 15, 2016
 Re: Delinquent Account Certification

Section 74-187 of the Pleasant Ridge City Code authorizes the City Manager to enforce the payment of charges for water service by collection, disconnection of service or by placing the delinquent amount on the tax roll for collection. By May 1 of each year, the Water Clerk must certify all unpaid water and sewer charges to the City Commission. Delinquent charges for water and sewer constitute a lien on the property and the City Commission may require the City Treasurer to place such charges on the next tax roll of the city.

There are fifty-seven (57) properties with delinquent water and sewer charges this year:

1 Amherst	\$507.06	17 Kenberton	\$2,176.03	48 Oakdale	\$408.92
36 Amherst	\$106.63	21 Kenberton	\$176.93	90 Oakdale	\$483.51
52 Amherst	\$67.31	3 Kensington	\$735.48	6 Oxford	\$55.53
64 Amherst	\$36.76	10 Kensington	\$42.88	37 Oxford	\$460.50
67 Amherst	\$733.64	18 Kensington	\$125.57	36 Ridge Road	\$447.80
70 Amherst	\$1,006.58	31 Kensington	\$243.01	54 Ridge Road	\$302.95
83 Amherst	\$58.59	50 Kensington	\$729.15	6 Sylvan	\$302.83
46 Cambridge	\$1,650.67	59 Kensington	\$95.00	10 Sylvan	\$88.09
12 Devonshire	\$364.12	63 Kensington	\$44.31	65 Sylvan	\$329.90
45 Devonshire	\$374.87	84 Kensington	\$350.04	11 Woodward Heights	\$528.57
48 Devonshire	\$448.26	98 Kensington	\$910.87	20 Woodward Heights	\$269.83
56 Devonshire	\$186.34	104 Kensington	\$581.29	28 Woodward Heights	\$985.42
57 Devonshire	\$672.09	22 Maplefield	\$354.83	50 Woodward Heights	\$446.89
67 Devonshire	\$221.79	166 Maplefield	\$233.31	70 Woodward Heights	\$526.62
21 Elm Park	\$1,238.76	32 Maywood	\$355.79	73 Woodward Heights	\$793.84
4 Fairwood	\$486.73	44 Maywood	\$160.21	7 Woodside Park	\$548.09
41 Fairwood	\$857.87	48 Maywood	\$333.08	36 Wellesley	\$35.51
64 Fairwood	\$55.91	6 Millington	\$29.35	57 Wellesley	\$758.15
29 Hanover	\$760.01	21 Millington	\$536.03	24052 Woodward Ave	\$319.54

Further Section 34.57 of the Pleasant Ridge City Code authorizes any and all costs incurred by the City in the abatement of a nuisance shall constitute a lien against the property upon which the nuisance existed.

There is one property with an outstanding invoice:

90 Oakdale \$1,150.00 – Nuisance Abatement

Therefore, it is my recommendation that the delinquent charges be certified and placed on the next tax roll of the City. The total amount to be collected is \$27,289.64.

Please feel free to contact me should you wish to discuss the matter further.



City of Pleasant Ridge

Scott Pietrzak, Assistant City Manager

From: Scott Pietrzak, Assistant City Manager
To: Mayor and City Commission
Date: March 15, 2016
Re: MDNR Passport Grant Application

Overview

I am requesting approval of a Michigan Department of Natural Resources (MDNR) Recreation Passport Grant application for the 2016 round of funding.

The proposed grant is for the continued improvements to Gainsboro Park, specifically a picnic pavilion. To apply for the grant the City Commission must approve a resolution in favor of the application and funding mechanism. This phase of the project would be scheduled for the 2017 construction season.

The total cost of the project is \$70,000. We are proposing a 50% grant match. \$35,000 from the grant and \$35,000 from the City. We anticipate the funds coming from the general fund, special parks revenue fund and in kind services.

I have attached a conceptual drawing of the proposed plan.

Requested Action

City Commission approval of the Resolution authorizing submission of a MDNR Recreation Passport Grant in the amount of \$35,000, and further, to make available a financial obligation amount of \$35,000 for a total of \$70,000 during the 2016-2017 fiscal year.

City of Pleasant Ridge

Recreation Passport Grant Application

2016

Grant Submission #RP16-0076



Michigan Recreation Passport Grant Program 2016

Organization: City of Pleasant Ridge

RP16-0076

Section A: Applicant Site and Project Information: Gainsboro Park

*Name of Applicant (Government Unit) City of Pleasant Ridge			*Federal ID Number 38-6004725	*County Oakland County
*Name of Authorized Representative Scott Pietrzak			*Title Assistant City Manager	
*Address 23925 Woodward Avenue			*Telephone 248-541-2900 Fax	
*City Pleasant Ridge	*State MI	*ZIP 48069	*E-mail recreation@cityofpleasantridge.org	
*State House District District 27		*State Senate District District 13	*U.S. Congress District District 9	
*Proposal Title (Not to exceed 60 characters) Gainsboro Park Pavilion Project				

***Proposal Description**

Construct an outdoor picnic pavilion next to the existing shelter. The outdoor pavilion will allow park users to enjoy a large covered area right in the new "Heart of the Park" area.

***Address of Site**

104 Wellesley

***City, Village or Township of Site**

Pleasant Ridge

***Zip**

48069

***County in which Site is located**

Oakland

***Town, Range and Section Numbers of Site**
Location*Letters must be upper-case:**(examples: T02N, R13E, 22)**(Town)T01N (Range)R11E (Section)27****Latitude/Longitude at park entrance**

42.472804 -83.134699

***Park Name**

Gainsboro Park

Michigan Recreation Passport Grant Program 2016

Organization: City of Pleasant Ridge

RP16-0076

Section B: Project Funding and Explanation of Match Sources

SOURCES OF MATCHING FUNDS

PROJECT COST AMOUNTS

*Grant amount requested (round to the nearest hundred dollars) \$35,000.00

Total Match (Must be at least 25% of total project cost) \$35,000.00

Total Project Cost (Must equal the total estimated cost on Section D1 Project Details page) \$70,000.00

Percentage of match commitment (Must be at least 25% of total project cost) 50%

Value of any Land Repurposed to Recreation as Part of the Project (2xSEV)

a) General Funds or Local Restricted Funds (Applicant's own cash) \$30,000.00

b) Force Account Labor/Materials (Applicant's own paid labor or materials) \$5,000.00

c) Federal or State Funds

Section C: Project Details

* Applicant's current control of the site:

- ✓ Fee Simple
- Lease
- Easement

Project Cost Estimate Table

List the specific development scope items (play equipment, parking lot paving, landscaping) rather than aspects of project execution (materials, labor, equipment, site clearing). Do not include ineligible items such as engineering costs beyond 15% of the subtotal and contingencies. Facilities must be designed to be in compliance with the 2010 Americans with Disabilities Act Standards for Accessible Design.

<u>SCOPE ITEM</u>	<u>IS SCOPE ITEM OF UNIVERSAL DESIGN?</u>	<u>QUANTITY</u>	<u>TOTAL ESTIMATED COST</u>
Pavilion	No ✓ Yes	1	\$52,500.00
Other: Existing Shelter Building Metal Roof	No ✓ Yes	1	\$11,500.00

Do not list the aspects of project execution, such as labor, construction equipment, contingency or raw materials.

Permit Fees**Subtotal**

\$64,000.00

Engineering (These fees may not exceed 15% of subtotal)

\$6,000.00

Total Estimated Cost (Much equal Total Project Cost amount on Section B page)**\$70,000.00**

- 1) What is the expected life of the facilities constructed as part of the project?
(Please note: Program requires commitment of minimum 20 years if no enclosed structure and 40 years with enclosed structure). 40 years
- 2) If you are submitting multiple applications, what is the priority for this application?
(1 = highest) 1
- 3) Is unimpeded access to the project site secured through ownership or easement or lease of term no less than the length of time that control of the project site is secured? ✓ No Yes
- 4) Will the project be used for the viewing of professional or semi-professional arts, athletics or intercollegiate or interscholastic sports? ✓ No Yes
If yes, what percentage of normal operating hours will be used in this capacity? %

Section C: Project Details

- 5) Will fees be charged at the park? ✓ No Yes
If yes, what will be the fees for residents?
What will be the fees for non-residents?
- 6) Has applicant received DNR recreation grant(s) in the past? No ✓ Yes
- 7) Is there an entrance sign identifying the site as a public recreation site open to all users? No ✓ Yes
- 8) Has applicant closed, sold, or transferred any parkland or recreation facilities in the past 5 years? ✓ No Yes
- 9) Does applicant have a "residents only" policy for this park or other parks or recreation facilities? No ✓ Yes

If 'Yes' was selected for any of the questions, please explain here:

#6. A DNR Bond Fund grant was awarded to the City in 1990 (BF90-346).

#7 A sign is located on the property.

#9 The Pleasant Ridge Community Pool located on a different site has a residents only policy . The pool is funded by a dedicated operating millage passed by the electorate in 2002.



Gainsboro Park Pavilion
Pedestrian Perspective



Artist's Representation - subject
to change without notification
2-23-16



Gainsboro Park Pavilion
Bird's Eye Perspective



Architectural
Interior Design
Landscape Architecture
Urban Design

Artist's Representation - subject
to change without notification

2-23-16



Gainsboro Park Pavilion
Plan



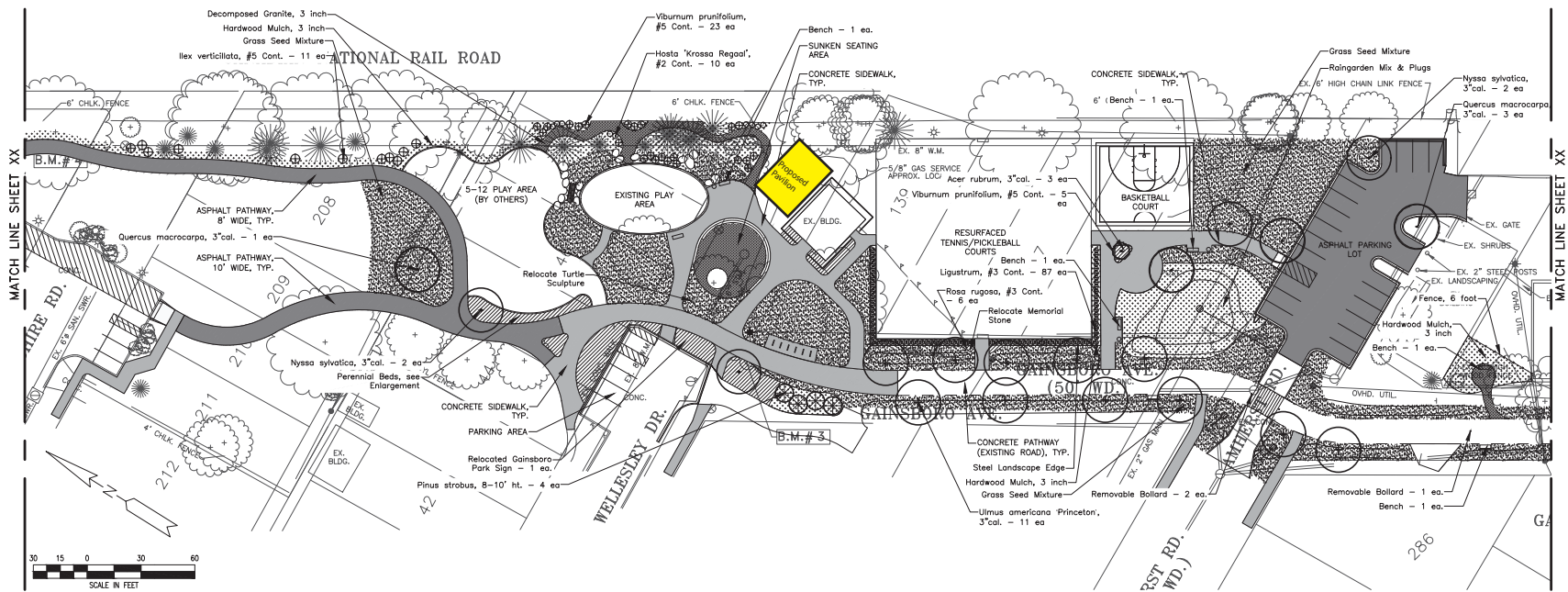
Architecture
Interior Design
Landscape Architecture
Urban Design
Artist's Representation - subject
to change without notification
2-23-16



Gainsboro Park Pavilion

Color Alternative





4444 Second Avenue
Detroit, Michigan : 48201
313.974.7602
www.livinglabdetroit.com

project:

Gainsboro Park Improvements

location:

Pleasant Ridge, Michigan

title:

Landscape Plan

client:

City of Pleasant Ridge
23925 Woodward Avenue
Pleasant Ridge, Michigan 48069
248.541.2901

issue + revision:	date:
30% Review	11-30-15
Plan Revisions	12-4-15
60% Submittal	2-5-16

project information:

project manager: CRP
drawn by: JPM
date: 11/6/15
project #: pri0003.1

scale: 1" = 30'

sheet number:



City of Pleasant Ridge Recreation Passport Grant Application Authorization

WHEREAS, the City of Pleasant Ridge City Commission supports the submission of an application titled, “Gainsboro Park Pavilion Project” to the Recreation Passport Grant Program for development of the construction of an outdoor picnic pavilion at Gainsboro Park; and,

WHEREAS, the proposed application is supported by the Community’s 5-Year Approved Parks and Recreation Plan and Current Annual Capital Improvement Plan; and,

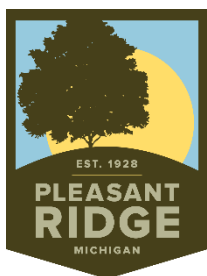
WHEREAS, the City of Pleasant Ridge general fund and special parks revenue fund has made a financial commitment to the project in the amount of \$35,000 matching funds, in cash and/or force account; and,

NOW THEREFORE, BE IT RESOLVED the City of Pleasant Ridge City Commission hereby authorizes submission of a Recreation Passport Grant Program Application for \$35,000, and further resolves to make available its financial obligation amount of \$35,000 (50%) of a total \$70,000 project cost, during the 2016-2017 fiscal year.

Adopted: Yeas:
 Nays:
 Absent:

IN WITNESS WHEREOF, I, Amy M. Drealan, duly certified Clerk of the City of Pleasant Ridge, do hereby attest that the Foregoing is a true and accurate copy of a Resolution adopted By the Pleasant Ridge City Commission at its Regular Meeting Held Tuesday, March 15, 2016.

Amy M. Drealan, City Clerk



City of Pleasant Ridge

James Breuckman, City Manager

From: Jim Breuckman, City Manager
To: City Commission
Date: March 10, 2016
Re: 2016 City Commission Goals and Objectives Adoption

Overview

The attached Goals and Objectives are a statement of the City Commission's priorities in governance for the coming year.

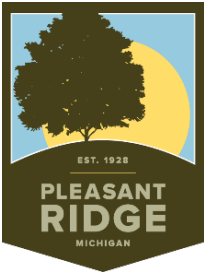
Requested Action

City Commission consideration of adoption of the attached 2016 Goals and Objectives statement.

Background

The City Commission has been working on the attached Goals and Objectives statement over the past few months. This statement of Goals and Objectives will stand as a communication of what this City Commission wishes to accomplish. These Goals and Objectives will also be included in the City's upcoming FY16-17 budget document, which is a budgeting best practice.

Being included in the budget document means that these Goals and Objectives will serve as a basis for making budget decisions and work priorities for City Staff over the coming year. When considering various projects and funding decisions during the budget process, the City Commission may evaluate the various options and determine which ones to fund based on how well each project or line item aligns with the Goals and Objectives statement.



City of Pleasant Ridge

Annual Goals and Objectives 2016

Note that the order in which these goals are presented is not intended to convey importance.

A. Maintain a Safe and Secure Community

Objectives:

1. Preserve effective levels of police staffing and equipment to ensure high quality public safety service delivery.
2. Maintain or improve existing fire/EMS service delivery.
3. Review any strategies possible to improve police, fire/EMS, and dispatch service.
4. Implement traffic calming measures where necessary to ensure appropriate vehicle travel speeds.
5. Preserve and enhance Neighborhood Watch program.

B. Ensure Good Stewardship of Municipal Infrastructure

Objectives:

1. Continue the City's ongoing street reconstruction program.
2. Implement a continuing maintenance program for previously reconstructed streets and alleys to extend their useful life.
3. Implement continuing maintenance and monitoring program for previously rehabilitated combined sewers to extend their useful life.
4. Improve bike and pedestrian infrastructure (sidewalks) throughout the City.
5. Complete capital projects identified in the Capital Improvements Plan.
6. Work with local transit authorities to improve existing bus stops.

C. Maintain Financial Sustainability

Objectives:

1. Maintain a competitive property tax rate position relative to other cities in the region.
2. Achieve and maintain an unrestricted fund balance of 20-25% and a total fund balance of 25-30% of annual general fund expenses.
3. Maintain a capital outlay reserve of 75% to 100% of expenditures in the Water and Sewer Enterprise Fund.
4. Continue to explore other revenue sources. Aggressively identify and pursue grant opportunities.
5. Increase funding for the defined benefit pension to reduce the City's unfunded liability.
6. Maintain property values by preserving Pleasant Ridge's status as a first class community.

D. Maintain Excellent Parks and Recreation Program

Objectives:

1. Develop Gainsboro Park as a premier community park.
2. Complete necessary maintenance tasks at the community center, pool, and parks.
3. Achieve excellence in the offering and delivery of recreation services to residents of all ages.
4. Encourage active, healthy lifestyles for City residents.

E. Preserve and Enhance Community and Neighborhood Character

Objectives:

1. Improve City code enforcement efforts to effectively preserve the character of the City's neighborhoods.
2. Protect the City's established historic character from destruction or erosion by inappropriate additions or modifications to existing buildings, or inappropriate construction of new buildings.
3. Work to influence future changes and enhancements to Woodward Avenue to reflect Pleasant Ridge's preferred plan.
4. Ensure that planning, development, and infrastructure projects enhance Pleasant Ridge as a walkable, bikeable community.

F. Foster Community Trust and Participation

Objectives:

1. Use a variety of outlets, including the City's website, traditional media, social media, town hall meetings, and the Ridger to inform and engage residents.
2. When more than one feasible choice exists for issues of major consequence, consult or collaborate with residents prior to making decisions.
3. Encourage, support, and recognize volunteers and community members who do good work in the community.
4. Conduct a statistically valid community survey at least bi-annually to measure City performance in delivering services and public sentiment on important issues facing the community.
5. Support resident-driven and managed initiatives.

G. Strive for Excellence in Governance

Objectives:

1. Develop and maintain a first-rate workforce by supporting the continued training and professional development for City employees.
2. Continue to pursue excellence in customer service by exploring alternative methods for improving delivery of services.
3. Facilitate increased use of technology during City meetings.
4. Continue to look for new ways to partner with nearby communities or private partners to improve the delivery of City services.
5. Continually evaluate and adjust the City's goals and objectives, Master Plan, Recreation Master Plan, and Capital Improvements Plan to ensure that policy decisions are being made that further the long-term interest of the City.

H. Protect the Environment

Objectives:

1. Reduce the City's carbon footprint through energy conservation, efficiency, and renewable generation measures.
2. Invest in maintaining the City's tree canopy by maintaining existing trees and planting new trees to fill gaps.
3. Explore ways to incorporate green infrastructure to infiltrate stormwater in place and reduce the amount of runoff that enters the City's sewer system.



Pleasant Ridge Police Department

23925 Woodward Avenue
Pleasant Ridge, Michigan 48069

From: Sergeant Ried
To: City Manager Breuckman & City Commission
Date: March 10, 2016
Subject: Oakland County Tactical Training Consortium (OakTac)

Overview

OakTac is a consortium consisting of law enforcement agencies in Oakland County. At this time Pleasant Ridge Police is one of three agencies in the county not involved with the organization (Huntington Woods Public Safety is currently in the membership process. Therefore, Pleasant Ridge and one other Oakland County law enforcement agency would be the only remaining departments without OakTac membership).

Background

The Oakland County Tactical Training Consortium was created with the purpose of providing coordination of resources and training, and ultimately position Oakland County to more effectively and efficiently respond in the event of a major incident requiring mutual aid.

OakTac provides training and resources on a semi regular basis to police officers in Oakland County. The training provided not only keeps officers trained on the latest tactics and review of critical incidents, but also allows officers to train alongside officers from other jurisdictions. Training with other departments helps to ensure that all agencies are on the same page when critical incidents emerge.

Requested Action

A resolution from the Pleasant Ridge City Commission is needed for Pleasant Ridge Police to become an active and voting member of the Oakland County Tactical Training Consortium. There is a nominal fee associated with being an OakTac member (currently \$250 a year). A resolution from the City Commission would allow Pleasant Ridge Police to become an active and voting member of the consortium. The membership will allow access to training for the department's eight officers and access to OakTac equipment and training locations. OakTac membership also assists in the request of OakTac mutual aid and OakTac resources at no cost to Pleasant Ridge if a critical incident were to occur



INTERLOCAL AGREEMENT FORMALLY ESTABLISHING THE OAKLAND COUNTY TACTICAL TRAINING CONSORTIUM

This Interlocal Service Agreement is made by and between the following governmental units, hereinafter referred to as "Members":

Oakland County
1200 N. Telegraph Road
Pontiac, Michigan 48341

City of Auburn Hills
1827 N. Squirrel Road
Auburn Hills, Michigan 48326

City of Bloomfield Hills
45 E. Long Lake Road
Bloomfield Hills, Michigan 48304

City of Farmington Hills
31555 W. Eleven Mile Road
Farmington Hills, Michigan 48336

City of Ferndale
310 E. 9 Mile Road
Ferndale, Michigan 48220

City of Novi
45175 W. 10 Mile Road
Novi, Michigan 48375

City of Oak Park
13600 Oak Park Blvd
Oak Park, Michigan 48237

City of Royal Oak
211 Williams Street
Royal Oak, Michigan 48067

City of Troy
500 W. Big Beaver Road
Troy, Michigan 48084

RECITALS

WHEREAS, the Michigan Constitution of 1963, Article 7, § 28, and the Urban Cooperation Act of 1967, Act No. 7 of the Public Acts of 1967, Ex. Sess., being MCL 124.501, et. seq. (the "Act"), permit governmental units to exercise jointly with other governmental units any power, privilege or authority which such governmental units share in common which each might exercise separately; and

WHEREAS, all Members have the authority to purchase equipment and engage in tactical training for their police personnel for certification, practice and maintaining

proficiency of police officers for the protection of the public for their respective governmental unit only; and

WHEREAS, the Members have mutually agreed that this Agreement be entered into to allow the Members to establish and implement cooperative programs and activities on a continuing basis to train their police personnel in small squad tactics and use of weapons for specific situations such as, but not limited to, hostage situations, events requiring use of special weapons and tactics ("S.W.A.T."), terrorist situations and Homeland Security defense; to purchase and supply weapons and equipment; to train multiple agencies for large scale critical situations requiring trained police personnel on a county wide basis; and to develop protocol and procedures for communication between multiple agencies during such situations; and

WHEREAS, the prior to the execution of this Agreement, Member sheriff/police departments established an organization known as the "Oakland County Tactical Training Consortium", also known as "OAK-TAC", to provide for the common goal of training police personnel in multiple jurisdictions by a more efficient and cost effective use of training personnel and to insure standardization of communications and training and tactical techniques for governmental units; and

WHEREAS, the OAK-TAC participants desire to formalize their goals and objectives by entering into this Agreement ; and

WHEREAS, pursuant to resolution of each Member's legislative body, the Members each have the authority to execute this Interlocal Agreement for Formally Establishing the Oakland County Tactical Training Consortium to also be known as OAK-TAC ("Agreement") to allow each Member's sheriff/police department to participate in tactical training through and organization under the terms set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants, undertakings, understandings and agreements set forth above and in this Agreement, the Members agree to the following terms, conditions, representations, consideration and acknowledgements and mutually agree as follows:

1.Membership. Prior to the effective date of this Agreement, each Member's sheriff/police department has been a party to an organization known as the "Oakland County Tactical Training Consortium", also known as "OAK-TAC". Each Member shall remain a Member of OAK-TAC but only if the legislative body of the Member's governmental unit passes a resolution approving this Agreement and authorizing the appropriate signatory to execute this Agreement on behalf of the governmental unit and this Agreement is executed by the authorized signatories of the Member governmental unit.

2.Time Limit for Obtaining Resolution and Executing Agreement. Governmental units listed on this Agreement shall have until April 1, 2012 to obtain a resolution

from its governing body approving the Agreement and authorizing appropriate signatories to sign the Agreement. Any of the governmental units listed on this Agreement who fail to obtain a resolution and signed the Agreement by April 1, 2012 shall not be accepted into OAK-TAC without complying with the requirements of Paragraph 7, New Members.

3.Purposes. Members mutually agree that the general purpose of OAK-TAC is to establish and implement cooperative programs and activities on a continuing basis to train police personnel in small squad tactics and use of weapons for specific situations such as, but not limited to, hostage situations, events requiring use of special weapons and tactics ("S.W.A.T."), terrorist situations and Homeland Security defense; to purchase and supply weapons and equipment; to train multiple agencies for large scale critical situations requiring numerous trained police personnel on a county wide basis; and to develop protocol and procedures for communication between multiple agencies during such situations.

4.Board of Directors. The Sheriff or Chief of Police or his/her designee, of each Member shall hold one (1) seat on the OAK-TAC Board of Directors. Each Member, through its Sheriff or Chief of Police, or his/her designee, shall have one (1) vote on any motion of the OAK-TAC Board of Directors.

5.Powers of Board of Directors. OAK-TAC, through its Board of Directors, shall have the power and duty to establish policies and procedures for meetings and to elect officers; to determine the topics of training; to implement training programs; to select training instructors and personnel; to provide for equipment, protective gear and venues for training; to set dates and times for training; to establish the criteria for those eligibility for specific training; to establish communication protocol between multiple agencies and to establish committees and sub-committees as set out in the OAK-TAC Bylaws to assist with these duties.

6.First Meeting and Adoption of Bylaws. The first meeting of the Board of Directors shall occur no later than six (6) months after the execution of this Agreement by at least two (2) governmental entities whose legislative bodies have approved and authorized the execution of the Agreement. At the first meeting, the Board of Directors shall adopt By Laws, a sample of which is attached hereto as Exhibit A. After initial adoption, the Board of Directors may amend, alter, revise, delete provisions or add provisions to the By Laws upon a two-third (2/3) vote of the total number of Board of Directors and any amendments, alteration, revision, deletion or addition shall not be effective for a period of thirty (30) days following approval by the Board.

7.New Membership. The OAK-TAC Board of Directors shall have the power to determine if a non-member police department should be allowed to join OAK-TAC but only if that police department is a governmental unit of Oakland County, Michigan and has petitioned the Board of Directors for membership. The Board of Directors may approve membership for the petitioning governmental unit conditioned

upon the governmental unit obtaining a certified resolution of its legislative body which approves this Agreement and authorizes the appropriate signatory to execute the Binder Agreement attached hereto and incorporated herein as Exhibit B. Execution of that Binder Agreement results in the acceptance of all terms and conditions set out in this Agreement. The certified resolution and an executed copy of the Binder Agreement shall be presented to the Board of Directors for vote to determine if the Board of Directors authorizes the President and Secretary to execute the Binder Agreement on behalf of OAK-TAC. If the Petitioning Member has been conditionally approved for membership but the OAK-TAC Board of Directors is not given a certified resolution and an executed copy of the Binder Agreement within six (6) months after the date of conditional approval, the conditional approval becomes null and void and a Petitioning Member must file a new request for membership. A two-third (2/3) vote of the total number of Members is required to authorize the President and Secretary to execute the Binder Agreement and accept the petitioner as a Member of OAK-TAC. Membership will become effective after execution of the Binder Agreement by the authorized representatives of the new Member and OAK-TAC.

8.Funding. OAK-TAC is also authorized under this Agreement to pursue grant funding for OAK-TAC for programs, equipment, gear and non-member training personnel. No Member match shall be authorized, except upon approval of the Board. The Treasurer of OAK-TAC shall be custodian and sole depositor of the funds of OAK-TAC and shall only disburse funds as authorized by the Board of Directors. If OAK-TAC is successful in obtaining grant funding and if the grant so allows, the Board of Directors may approve, by a majority vote, reimbursement of costs incurred by any specific Member for training and equipment utilized exclusively by or for OAK-TAC. Any equipment, gear or other property purchased by grant or otherwise by OAK-TAC shall remain the property of OAK-TAC.

9. Compensation. No member of the Board of Directors, including its elected officers, shall receive compensation from OAK-TAC for the performance of their duties. A Member may be reimbursed for costs to that Member incurred for OAK-TAC business meetings or other expenses, if such costs and/or expenses are approved by motion of the Board of Directors.

10.Non-Exclusive Training. No Member's sheriff/police department is obligated under this Agreement to use OAK-TAC exclusively for training and is expressly allowed to seek other training programs or to train internally on an as needed basis without violating this Agreement.

11.Membership Fee. There shall be no fee to any Member to participate in this Agreement unless fees are adopted under the terms set out in the OAK-TAC Bylaws.

12. Removal of Members. A Member may be removed for just cause upon a two-thirds (2/3) vote of the total number of Members.

13. Termination of Agreement. Regardless of the terms of the Agreement, any Member may withdraw from OAK-TAC for any reason or no reason upon a minimum thirty (30) days written notice. The termination and withdrawal of any Member shall not terminate or have any effect upon the provisions of the Agreement as long as there are two (2) remaining Members to this Agreement, including Members who have executed Binder Agreements.

14. Termination of OAK-TAC. This Agreement shall continue until terminated as follows:

(a) There is only one remaining Member; or

(b) A unanimous vote of termination by all the Members.

15. Assets Upon Termination. Upon termination of this Agreement, any expenses or outstanding liability shall be paid first through any remaining assets of the consortium and thereafter, any remaining assets shall be distributed to the Members on an equitable basis as determined by the Board.

16. Compliance with Law. Members represent to each other that its police personnel shall comply with all federal, state and local ordinances.

17. No Employer-Employee Relationship. The Members agree that at all times and for all purposes under the terms of this Agreement, there is no employer-employee relationship between the Members. No liability, right or benefit associated with any employer-employee relationship shall be implied by the terms of this Agreement or service performed under this Agreement.

18. Permits and Licenses. Each Member shall be responsible for obtaining and maintaining, throughout the term of this Agreement, all licenses, permits, certificates, and governmental authorizations for its employees and agents necessary to perform all its obligations under this Agreement. Upon request by the OAK-TAC Board of Directors, a Member shall furnish copies of any permits, licenses, certificate or government authorization to the Board of Directors.

19. Liability for Member's Employees. Each Member agrees to be liable for disability and workers' compensation benefits, including derivative benefits, dependent benefits or other benefits related to disability and workers' compensation benefits, for its own employees.

20. Liability. Each Member shall be responsible for any claims made against that Party and for the acts of its employees or agents.

In any claims that may arise from the performance of this Agreement, each Party shall seek its own legal representation and bear the costs associated with such

representation including attorney fees.

Except as otherwise provide in this Agreement, no Member shall have any right under any legal principle to be indemnified by the other Members or any of their employees or agents in connection with any claim.

This Agreement does not, and is not intended to, impair, divest, delegate or contravene any constitutional statutory, and/or other legal right, privilege, power, obligation, duty or immunity of the Parties. Nothing in this Agreement shall be construed as a waiver of governmental immunity for any Member.

21. Insurance. Within ten (10) days from the execution of this Agreement, each Member shall provide a Certificate of Insurance, acceptable to the other Members, demonstrating that general liability coverage is available for any and all claims for personal injury or property damage which are or might be caused by training of Members under this Agreement. Each Member agrees to keep said insurance coverage in full force and effect for the term of this Agreement or any renewals thereof. Each Member shall submit to the other Members, prior to the expiration of any insurance coverage, the new Certificate(s) of Insurance acceptable to the other Members. Any Certificate(s) of Insurance shall name the other Members as an additional insured and contain the following cancellation notice:

“Should any of the above described policies be cancelled before the expiration date thereof, the issuing insurer will mail 30 days written notice to the certificate holder.”

Any Member may request a copy of said insurance certificate at any time during this Agreement. Failure to produce a certificate of insurance within twenty (20) days of a request by a Member shall allow the requesting Member to petition the OAK-TAC Board of Directors to terminate the Agreement as to that specific Member.

A lapse in the insurance coverage required under the Agreement shall be considered a material breach of this Agreement and the Agreement shall become null and void automatically as to that Member only at any time such a lapse in coverage exists.

The Members agree that they shall promptly deliver to the other Members written notice and copies of any claims, complaints, charges, or any other accusations or allegations of negligence or other wrongdoing, whether civil or criminal in nature that the other Member becomes aware of and which involves training or any program or activity under this Agreement. Unless otherwise provided by law and/or the Michigan Court Rules, the Members agree to cooperate with one another in any investigation conducted by any other Member regarding any acts or performances of any services under this Agreement.

22. Continuing Obligation. The Members agree that all promises, waivers of liability, representations, insurance coverage obligations, liabilities, payment obligations and/or any other related obligations provided for in this Agreement with regard to any acts, occurrences, events, transactions, or claims, either occurring or having their basis in any events or transaction that occurred before termination of this Agreement, shall survive the termination.

23. Notice. Any written notice required or permitted under the Agreement shall be considered delivered to a Member as of the date that such notice is deposited, with sufficient postage, with the U.S. Postal Service. Unless specifically otherwise set out in the Agreement, all writing sent to each Member shall be sent to the address set out for each Member at the beginning of this Agreement or to an updated address provided to the OAK-TAC Board of Directors.

24. No Waiver of Governmental Immunity. All of the privileges and immunities from liability, and exemptions from laws, ordinances and rules which apply to the activities of parties, officers, agencies, and employees of any governmental agency when performing its functions, shall apply to the same degree and extent to the performance of such functions and duties under the provisions of this Agreement. No provision of this Agreement is intended, nor shall any provision of this Agreement be construed, as a waiver by any Member of governmental immunity as provided under law.

25. Entire Agreement. This Agreement sets forth the entire Agreement between the Members. The language of this Agreement shall be construed as a whole according to its fair meaning and not constructed strictly for or against any Member. The Members have taken all actions and secured all approvals necessary to authorize and complete this Agreement.

26. Severability of Provisions. If a Court of competent jurisdiction finds any provision of this Agreement invalid or unenforceable, then that provision shall be deemed severed from the Agreement. The remainder of this Agreement shall remain in full force.

27. Governing Law. This Agreement is made and entered into in the State of Michigan and shall in all respects be interpreted, enforced and governed under the laws of the State of Michigan. Except as otherwise required by law or court rule, any action brought to enforce, interpret or decide any claim arising under this Agreement shall be brought in the 6th Judicial Circuit Court of the State of Michigan or the United States District Court for the Eastern District of Michigan, Southern Division as dictated by the applicable jurisdiction of the court. Except as otherwise required by law or court rule, venue is proper in the courts set forth above.

28. Recitals. The Recitals shall be considered an integral part of this Agreement.

29. No Implied Waiver. No fact, failure or delay by a Member to pursue or enforce any rights or remedies under this Agreement shall constitute a waiver of those rights with regard to any existing or subsequent breach of this Agreement. No waiver of any term, condition, or provision of this Agreement, whether by conduct or otherwise, shall be deemed or construed as a continuing waiver of any term, condition, or provision of this Agreement. No waiver by any Member shall subsequently affect its right to require strict performance of this Agreement.

30. Counterpart Signatures and Record Keeping of Original. This Agreement may be signed in counterpart. A copy of each original signature page for each Member all be filed for record keeping with the Secretary of OAK-TAC.

IN WITNESS WHEREOF, this Agreement is executed by the Member on the date set out on the signature line for each Member. This Agreement becomes effective when at least two (2) Members have affixed their signatures affixed hereto and an executed copy is sent by first class mail to the Michigan Secretary of State and the Oakland County Clerk.

WITNESSES:

OAKLAND COUNTY

By:_____

By:_____

Dated:_____

CITY OF AUBURN HILLS

By: James McDonald, Mayor

By: Peter Auger, City Manager

Dated: _____

CITY OF BLOOMFIELD HILLS

By: Michael Zambricki, Mayor

By: Jay W. Cravens, City Manager

Dated: _____

CITY OF FARMINGTON HILLS

By: Barry Brickner, Mayor

By: Pam Smith, City Clerk

Dated: _____

CITY OF FERNDALE

By: David Coulter, Mayor

Dated: _____

CITY OF NOVI

By: Robert Gatt, Mayor

By: Maryanne Cornelius, City Clerk

Dated: _____

CITY OF OAK PARK

By: Marion Meisner McClellan, Mayor

By: Tonni Bartholomew, City Clerk

Dated: _____

CITY OF ROYAL OAK

By: Jim Ellison, Mayor

By: Melanie Halas, City Clerk

Dated: _____

CITY OF TROY

By: Janice Daniels, Mayor

By: Aileen Bittner, City Clerk

Dated: _____

Exhibit B

**BINDER AGREEMENT FOR INTERLOCAL AGREEMENT FORMALLY
ESTABLISHING THE OAKLAND COUNTY TACTICAL TRAINING CONSORTIUM**

This Agreement between Oakland County Tactical Training Consortium, hereinafter "OAK-TAC", whose address is: 500 W. Big Beaver Road Troy, MI 48084 and City of Pleasant Ridge, hereinafter "Petitioning Member", whose address is: 23925 Woodward Ave, Pleasant Ridge MI 48069 dated, this ____ day of _____ 2016, is hereby entered into as follows:

RECITALS

WHEREAS, there currently exist an Interlocal Agreement Formally Establishing the Oakland County Tactical Training Consortium which was entered into by a number of governmental entities("Members") in Oakland County, Michigan. That Agreement is authorized under the Urban Cooperation Act of 1967 and is attached hereto as Exhibit 1;

WHEREAS, the Michigan Constitution of 1963, Article 7, § 28, and the Urban Cooperation Act of 1967, Act No. 7 of the Public Acts of 1967, Ex. Sess., being MCL 124.501, et. seq. (the "Act"), permit governmental units to exercise jointly with other governmental units any power, privilege or authority which such governmental units share in common which each might exercise separately; and

WHEREAS, for a petitioning governmental entity to become a Member of OAK-TAC it is necessary to enter into an Agreement accepting all terms and conditions set out in the existing Interlocal Agreement Formally Establishing the Oakland County Tactical Training Consortium, including the Bylaws.

WHEREAS, pursuant to a resolution of the Petitioning Member's legislative body, giving the signatories on this Agreement the authority to bind the Petitioning Member to the terms and conditions set out in the Interlocal Agreement Formally Establishing the Oakland County Tactical Consortium as though the Petitioning Member has signed the original Agreement; and

NOW, THEREFORE, in consideration of the mutual covenants, undertakings, understandings and agreements set forth above and in this Agreement, the Petitioning Member agrees to the following terms, conditions, representations, consideration and acknowledgements and mutually agree as follows:

1. Certified Resolution and Execution of Binder Agreement. Prior to the execution of this Binder Agreement, Petitioning Member has petitioned the OAK-TAC Board of Directors for membership. The OAK-TAC Board of Directors has approved Petitioning Member for membership conditioned on the Petitioning Member obtaining a certified resolution of the Petitioning Member's City Council or legislative body approving this Binder Agreement and authorizing the appropriate signatories to execute this Binder Agreement. Petitioning Member agrees to submit the certified resolution and an executed copy of this Binder Agreement to the OAK-TAC Board of Directors within a timely manner after approval of the resolution and execution of the Binder Agreement.

2. Agreement to be bound by Terms and Conditions in Existing OAK-TAC Agreement. Petitioning Member acknowledges that it has been given a copy of the existing Interlocal Agreement Formally Establishing the Oakland County Tactical Training Consortium (Exhibit 1) and that it has read and agrees to be bound by each and every terms and conditions contained therein including the OAK-TAC Bylaws (Exhibit B) which are attached hereto and made a part hereof.

3. OAK-TAC Board of Directors approval. Upon receipt of the certified resolution and the executed Binder Agreement, the President of the Board of Directors shall place the item on the agenda for a vote of the Board of Directors. A resolution to approve membership for the Petitioning Member shall require a two-third (2/3) vote of the total number of Members. The OAK-TAC resolution for approval shall state that the Petitioning Member has provided a certified resolution and an executed copy of the Binder Agreement; is approved for membership in OAK-TAC; and the President and Secretary have the authority to execute the Binder Agreement on behalf of OAK-TAC.

4. Membership on Board of Directors. After passage of a resolution approving the Petitioning Member for membership in OAK-TAC and the execution of the Binder Agreement by the President and Secretary, the Chief of Police or his/her designed of the Petitioning Member as a Member of OAK-TAC shall hold one (1) seat on the OAK-TAC Board of Directors and shall one (1) vote on any motion of the OAK-TAC Board of Directors.

5. Counterpart Signatures. This Agreement may be signed in counterpart. The Counterpart taken together shall constitute one (1) agreement.

IN WITNESS WHEREOF, this Agreement is executed by the Petitioning Member.

WITNESSES:

CITY OF PLEASANT RIDGE,
PETITIONING MEMBER

By: Mayor Kurt Metzger

By: City Manager James Breuckman

Dated: _____

OAK-TAC

By: Chief Gary Mayer
Its: President

By: Deputy Director Chris Yanosy
Its: Secretary



City of Pleasant Ridge

James Breuckman, City Manager

From: Jim Breuckman, City Manager
To: City Commission
Date: March 10, 2016
Re: Dangerous Animals Ordinance Discussion

Overview

The City Commission has been considering a resident request for increased City involvement in proactively addressing potentially dangerous animals. To that end, the City Commission has considered various regulatory approaches and held a town hall meeting in January to discuss the issue. As a result of that meeting, the City has prioritized enforcement of existing leash laws.

Requested Action

Provide direction to staff regarding next steps in the process. Options include doing nothing at this time and continuing increased enforcement of the leash law, development of an ordinance that allows the City to attempt to identify potentially dangerous animals and require pre-emptive actions, or some other alternative.



City of Pleasant Ridge

James Breuckman, City Manager

From: Jim Breuckman, City Manager
To: City Commission
Date: March 10, 2016
Re: Community Survey Results

Overview

Mayor Metzger will provide a summation presentation for the community survey results at the March 15 meeting.

Requested Action

No requested action.

2016 Pleasant Ridge Public Opinion Survey

A Mayoral Summary of Major Findings

The first edition of the Pleasant Ridge Public Opinion Survey was launched in January 2016. The intent was to gauge resident opinions regarding services provided and community assets. Plans call for repeating the survey annually as a way of making sure that our strengths remain strong and that any identified weaknesses show improvement. Staff and elected officials were extremely pleased by the number of residents – 308 – who participated. While this summary is intended to highlight the primary findings, it was the large number of detailed “open ended” responses that demonstrated the thoughtfulness that residents brought to each of the survey questions. We will be posting the complete survey results so that anyone will be able to dive into the details.

Let us begin with what we believe to be the most important finding in the survey. When asked...

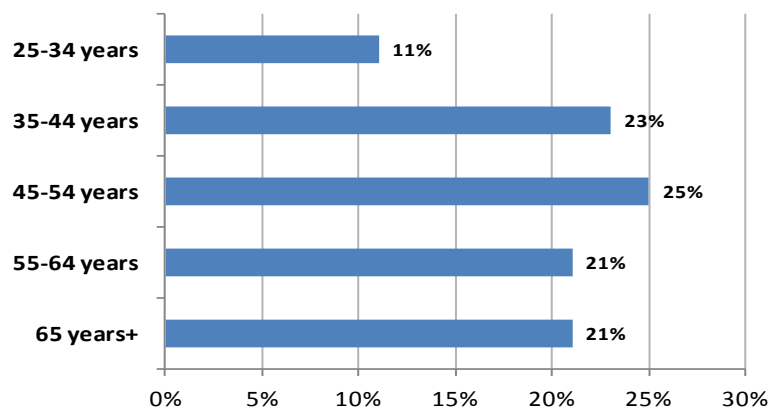
“ Overall, how would you rate your satisfaction with Pleasant Ridge as a place to live?”

99 percent of respondents said they were “very satisfied” (72%) or “satisfied” (27%)

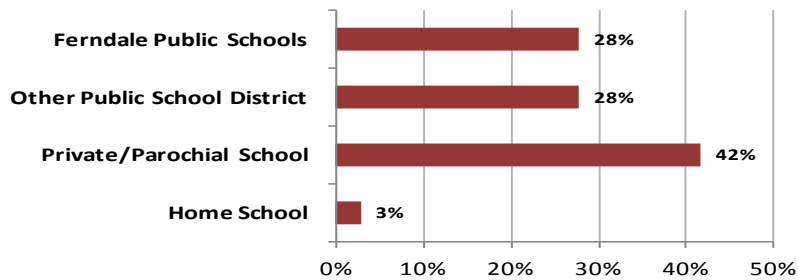
Who Responded?

Before I move on to the other findings, allow me to tell you a little more about the residents who participated in the survey (we will finish with the document with a ranking of the most responsive streets).

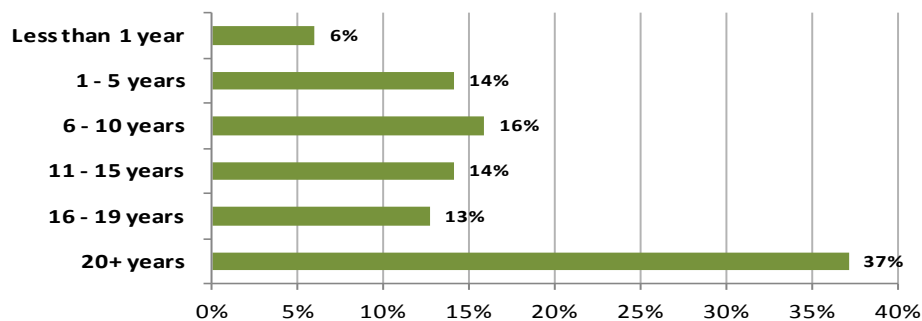
- **Gender** Female respondents outnumbered males 54 to 46 percent
- **Age** Respondents were well represented across all major categories and matched well with city demographics. Those between 18 and 24 years of age represented less than 1 percent.



- **School Attendance** Respondents with children in grades K-12 were most likely to utilize private or parochial schools. Other public districts in the area were utilized equal to Ferndale schools.



- **Years in Pleasant Ridge** While we received a good distribution of new and old residents, the domination by those living here for 20 years or more demonstrated the “sticking power” that our city has, as well as the strong attachment and engagement that long term residents have.



- **Reason for Coming** When asked the most important reason for moving to PR, respondents had a wide variety of answers. The top answers were **Walkable Neighborhoods, Geographic Location** and **Architectural Character**. These were followed by Tree-lined Streets, Sense of Community and Proximity to Traditional Downtowns, and the Pool/Community Center.
- **Moving?** When asked whether they had thoughts about moving in the next few years, 30 percent answered in the affirmative. When asked why, respondents led with **Downsizing or Senior Living, Schools** and **Property Taxes**.

What Did They Say?

We now move on to the survey results. In each case, I will be providing the question followed by the distribution of responses. This is intended to be a summation of the highlights. For those of you who care to dig deeper, I invite you to go to the complete detailed summary.

Have you had contact with one or more Pleasant Ridge elected officials (Mayor and/or City Commissioners) in the past year?

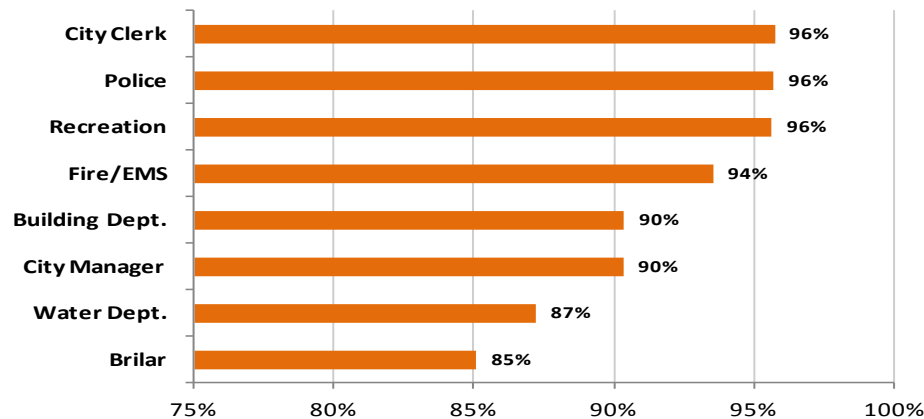
Of the 71 percent of respondents who had contact, **96 percent** were either “satisfied” (34%) or “very satisfied” (62%).

Have you visited City Hall, or have you had direct contact with a Pleasant Ridge employee in the past year?

Of the 86 percent of respondents who had contact, **97 percent** were either satisfied (30%) or “very satisfied” (67%).

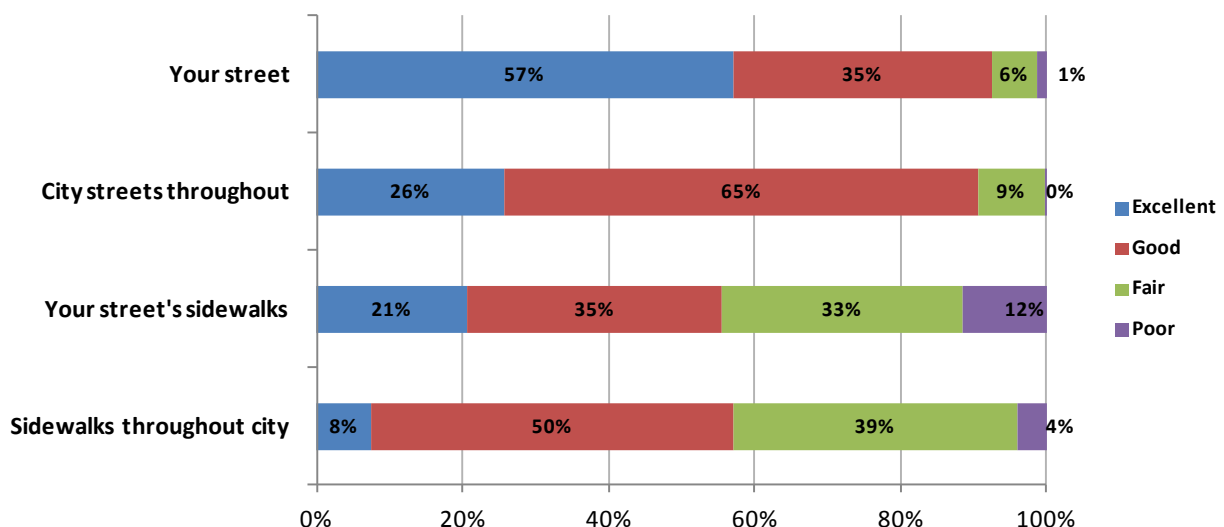
How would you rate your contact over the past year (if any) with each of the following city departments?

While the number of respondents who reported interacting with the various departments varied greatly, ranging from 210 with the Police to 52 with the Building Department, the share of those rating the quality of those interactions as “very satisfactory” or “satisfactory” was high across the board (as seen in the following chart).



How would you rate the condition of the following?

While residents tended to think more highly of the condition of their own street and sidewalks, the message was clear that sidewalk maintenance needs to be a city priority. After years of neglect, the beginnings of a regular sidewalk replacement and resurfacing program began last year.



How satisfied are you with routine maintenance on neighborhood streets in the City?

92 percent of respondents were either “very satisfied” (28%) or “satisfied” (64%)

How satisfied are you with snow and ice removal on neighborhood streets?

96 percent of respondents were either “very satisfied” (52%) or “satisfied” (44%)

How satisfied are you with fall leaf pickup?

91 percent of respondents were either “very satisfied” (35%) or “satisfied” (56%)

When asked ***“How safe do you feel in your home?”*** 50% answered “very safe” and 47% answered “safe”

When asked ***“How safe do you feel in the City?”*** 42% answered “very safe” and 54% answered “safe”

When asked to ***“rank the following parks and recreation facilities in order of their importance to you,”*** it was no surprise to see the **Community Center** and **Pool** easily outdistance the other nine, with the **Wellness Center** and **Gainsboro Park** coming in 3rd and 4th.

It was gratifying to see that respondents felt quite positive regarding the ***“quality”*** of each of their favorite recreational assets. The shares of respondents providing quality ratings of excellent or good for each of the top 4 were:

Community Center – Excellent (45%) Good (49%)

Pool – Excellent (57%) Good (35%)

Wellness Center – Excellent (41%) Good (48%)

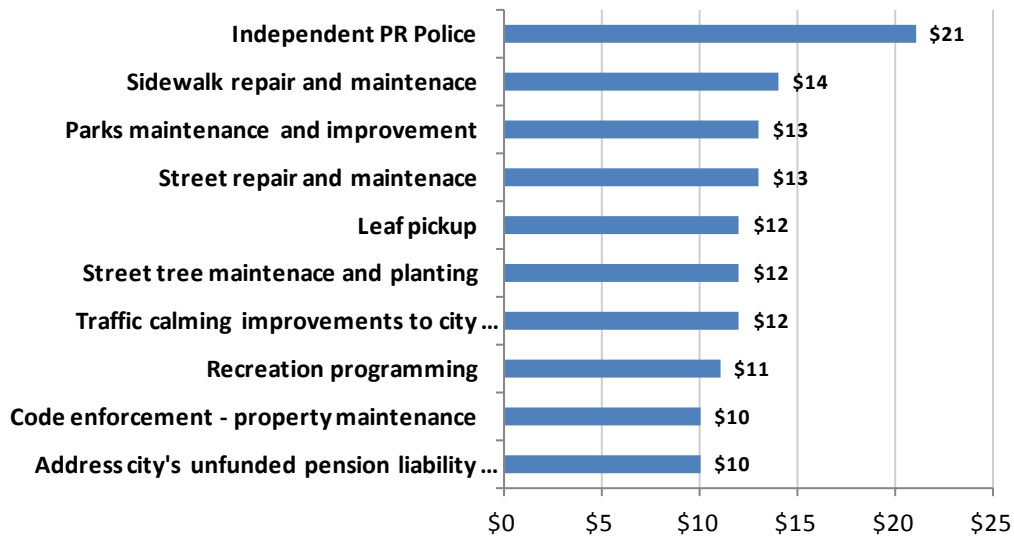
Gainsboro Park – Excellent (23%) Good (59%)

It is anticipated that the major reconstruction of Gainsboro Park, coupled with scheduled improvements elsewhere, will increase the “Excellent” responses in future surveys.

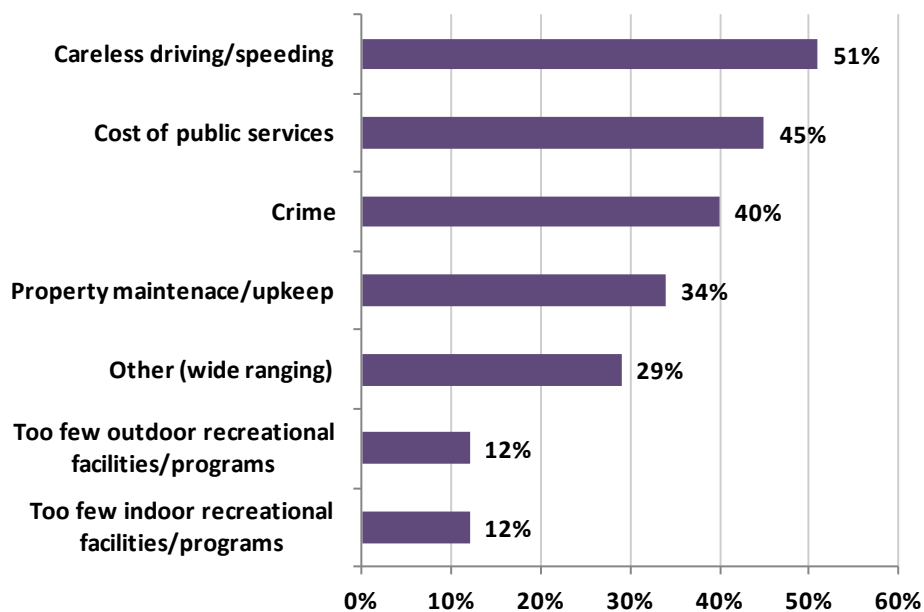
Budget Priorities and Major Issues of Concern

I want to finish this summary with the findings from two questions that will assist city staff and elected officials structure our budget priorities going forward. The first question asked residents to ***“assign points (100 total) to a list of public services to reflect how important each item is.”*** The second asks residents to ***“list up to 3 most serious problems facing the City today.”***

When asked how they would spend their budget dollars, Pleasant Ridge residents saw value in all of the public services listed though it was obvious that “an independent Police force” outdistanced all others as a highly valued service that must continue. The chart below provides the average dollar allocation across those respondents who selected each service.



When asked to name the most serious problems facing our city, **speeding, the cost of services, crime** and **property maintenance** led the list. More than one of every four respondents went off the formal list to provide other issues of importance to them. I encourage you to peruse the list at your leisure.



Where Do the Respondents Live?

As promised at the outset, I finish with an analysis of the distribution of respondents by street. It would not be fair to rank streets by the number of responses received because there is a wide variation on the number of housing units per street. Therefore, this analysis is based on the number of responses as a share of the number of housing units (*response density*). There are two caveats to keep in mind. No allocation was made for vacant units (or for residents who spend their Januaries elsewhere). In addition, we need to remember that we allowed more than one respondent per household.

The following chart ranks streets based on the number of responses/number of housing units. And the winner, with a response quotient of 47.8 percent, is Kenberton. Five other streets followed with quotients between 35 and 40 percent.

I want to thank, on behalf of city staff and the city commission, all who participated in the survey. Your time and effort is greatly appreciated. For those of you reading this who did not take the survey, we still want to hear your thoughts. We have paper copies still available and would be happy to provide you with one upon request.

RESPONSE QUOTIENT BY STREET – 2016 PLEASANT RIDGE OPINION SURVEY

