

# APPENDIX

# INTERNAL STAKEHOLDER

# ENGAGEMENT

## STORMWATER MANAGEMENT PROGRAM MASTER PLAN



- December 2016 - Stormwater Management Division Coordination Meeting Minutes
- December 2016 - Interdepartmental Coordination Meeting Minutes
- May 1, 2017 - Stormwater Management Division Staff Engagement
- September 12, 2017 – Infrastructure and Transportation Committee
- September 27, 2017 – City Plan Commission
- December 5, 2017 – Informal Report
- February 28, 2018 – Public Hearing at the Plan Commission
- May 1, 2018 Council Meeting – Plan Adoption

# INTERNAL STAKEHOLDER ENGAGEMENT

## STORMWATER MANAGEMENT PROGRAM MASTER PLAN



- December 2016 - Stormwater Management Division  
Coordination Meeting Minutes



# Stormwater Management Division Coordination Meeting Minutes

## MEETING MINUTES

<b>Date:</b>	December 1, 2016	<b>Type of Meeting:</b>	Coordination with Floodplain / Development Review
<b>Project:</b>	Stormwater Management Program Master Plan (SWS-080)	<b>Meeting Start Time:</b>	9:30 AM
<b>Meeting called by:</b>	Jennifer Dyke		

### Minutes

**Attendees** – Clair Davis, Chris Moss, Lisa Biggs, Stephen Nichols, Greg Simmons, Jennifer Dyke, Chris Johnson, Ben Pylant

- **Cumulative impacts and development review authority/guidelines/policies** - Stormwater staff will be evaluating the one-acre minimum threshold for requiring stormwater management plans, given the concerns raised with small-lot development in flood-prone areas. They will also evaluate the application of flood protection standards to known flood-prone areas outside of the regulated floodplain. What are the cumulative impacts of increasing zoning/development in floodprone and non-floodprone areas? What can be done from regulatory standpoint to address cumulative impacts? Does this start to drive LID? How else could small lot (<1 acre) development be reviewed/regulated?
  - Currently, staff is working with developers and engineers to try and prevent or at least mitigate construction that may aggravate existing flooding problems.
  - Need to consider a Watershed Based Approach to Managing Flood Risk - Need to look into zoning and SW impacts of this approach.
  - How else could small lot (<1 acre) development be reviewed/regulated?
- **Watershed Studies** – Are there opportunities to leverage existing studies and plans to better inform development review?
  - Need a way to ensure that existing model information is accessible to development community.
  - Use these assessments to better inform or expedite drainage review process.
  - Consider how technology and H&H model management will be handled going forward. Coordinate with surrounding communities. Working through COG to help coordinate with surrounding communities.
- **Stormwater Regulations and Ordinances** - Should SW regulations/ordinances be consolidated into one location instead of in several different documents?

- This is considering all stormwater and floodplain. Want to keep some redundancy to reinforce regulations.
  - The City would like to update website and this will help guide stakeholders to regulations and ordinances. Short-term need to have website linking to different regulations and policies. Drainage easement information also needs to be consistent and referenced.
- **Local floodplains** - Should the CFW establish and regulate off local floodplains mapped during planning studies?
  - Short-term. Mechanism is there but it is something new that needs a process for implementation and maintenance of this data.
  - One property owner wanted ICC funding but it cannot be applied to properties outside of the regulated floodplain.
  - Now is the time to setup framework. Maybe this is something that gets implemented in phases (one watershed at a time) at the same time of the watershed based approach to regulations. We have lots of information, how should we use it? Present proposed options to stakeholder/council?
- **Level of development review** - Is the current level of development review appropriate? What level of review is provided by other communities for private development? What is the threshold of site size? Is there a different level of review needed for different site sizes? Are we QAQC for developer?
  - If we simplify development review scheme, this could help. Case by case situation in Virginia.
  - Fort Worth is currently one of the most responsive communities, but that comes at a cost. Balance resources with review scrutiny.
  - 100 acre development has more impacts downstream than a 1 acre site. Consider a different level of review for different thresholds.
  - Set an expectation for development and let them choose to use it (even if conservative) or they can do a detailed analysis. Provide regional planning.
  - Keep in mind that what we do now affects capital costs in the future. A higher level of review could be saving the City capital costs in the future. There are examples of retrofit projects that have been constructed by the City to mitigate downstream impacts of approved developments.
- **CRS** – What are the goals and objectives for CRS over the next 10 years?
  - The City is currently working on approval of a new rating now. It is hard to know what the future goals will be for CRS until we receive current rating.
  - Documentation from other groups/sections is key. Need to consider how other sections and departments can contribute to CRS in activities they are already completing. Accela is very helpful to get info back from field ops. BW12 and insurance premiums are drivers for CRS.
- **Property Buyouts and Condemnation** – What situations can justify property condemnation for project purposes? Would we pursue buyouts where there is significant neighborhood opposition? Would we buyout property for flood preservation such as a purchase of floodplain easements? Can we identify criteria when this is a preferred scenario? Is proximity to residential something that should be considered? Would we buyout for flood mitigation structural projects? Would we buyout to protect individual property owner?
  - Lebow did include property buyouts

- Central Arlington Heights projects included voluntary buyouts that were then sold back
  - Need to continue evaluating options to acquire easements for floodplains in the City. Recognize natural, beneficial functions of floodplains.
  - Need to consider how purchase of natural floodplain area could be coordinated with CRS, parks, floodplain, etc.
  - Need a policy that informs voluntary property buyout program.
- **Communicating Flood Risk** – Is the City effectively communicating the risk of flooding in the City?
  - We need to find a way to be even more explicit about the situation as we move through the public vetting process over the next year so that decisions/direction about our longer term capital program will be fully informed.
- **Technology** – How will technology impact the goals of your section over the next 10 years?
  - H&H model management, etc. Severe deficit in technology currently.
  - Need to communicate more effectively to stakeholders.
  - Better communicate flood risk to citizens.
  - Need a process to maintain existing data and assessment. Need a process for H&H model management. Ensure developers can find latest and greatest model.
- **Funding Sources** – Are you aware of funding sources that would help your section better leverage resources and accomplish initiatives – grants, partnerships, special drainage districts, etc.
  - Currently using CTP studies. Looking at 5 year plan.
  - Need to ensure that planning data is being leveraged with other departments to work together.
- **Staffing Level Analysis** - Need to consider this based on what is recommended over the next 10 years. Do we need to hire additional staff to help accomplish the recommendations and what type of staff would be needed?
  - This depends on the initiatives and goals that result from this master planning effort.

## MEETING MINUTES

<b>Date:</b>	December 7, 2016	<b>Type of Meeting:</b>	Coordination with Stormwater Planning/CIP/Water Quality
<b>Project:</b>	Stormwater Management Program Master Plan (SWS-080)	<b>Meeting Start Time:</b>	8:15 AM
<b>Meeting called by:</b>	Jennifer Dyke		
<b>Minutes</b>			

**Attendees** – Greg Simmons, Chris Johnson, Jennifer Dyke, Ranjan Muttiah, Cannon Henry, Linda Young, Steve Eubanks, Debbie Willhelm, Ben Pylant

- **Level of Service** – LOS impacts our maintenance program. City needs to know the LOS goals to plan for maintenance.
  - Should City maintain infrastructure to design capacity or something else? Is LOS different in different areas?
    - SW Planning is developing criticality and feasibility of projects. CIP section is less involved in LOS decisions under current system. CIP section is now focused primarily on schedule, scope, and budget. CIP section does not have the flexibility to revise scope or evaluate LOS. That needs to be decided at planning stage. LOS should be communicated to public. Find a way to articulate in Master Plan what our policy will be. Define how we deal with level of service. Flood protection and condition assessment level of service should be considered. Need a way to communicate how projects are planned and what is targeted.
  - LOS impacts City planning. Should we strive for 5 yr, 100 yr, or something in-between? Is LOS different in different areas? For example, areas with more reported flooding, should they target a higher LOS than an area that has less reported flooding?
    - This needs to be decided as part of a City policy for LOS.
  - Discussed in 6/6/16 staff meeting by Steve E. If we are going to rehabilitate SD lines that have deteriorated to an “F” capacity condition when they were previously a “C” capacity condition, should we instead consider upsizing them to an “A” or “B” capacity?
    - This needs to be discussed with maintenance. Most often, maintenance is only replacing a few segments of storm drain pipe and it doesn’t make sense to increase pipe size unless you replace a much larger pipe system.
- **Alternative Analysis** - There are so many possible ways to look at solving some of these really big drainage problems and City cannot realistically take the time and money to evaluate all possibilities to the level of detail we have for Central Arlington Heights in all the other places. Is there a general framework for determining what level of detail is realistic to make decisions on what to do in other parts of the City?
  - Start at conceptual level of consultant contracts. Another option is to screen the majority of alternatives before the consultant becomes involved. Consider all

alternatives that support target level of service. Screen alternatives as efficiently as possible.

- Three alternatives worked well for Bluebonnet Hills. Need to talk with FNI and see how project prioritization is going. Perhaps they have insights into what types of alternatives are higher priority. The project prioritization format should help to inform which projects will be a higher priority for the City.
- How much effort should go into return on investment and economic development evaluations? At what stage of planning/design is this information most beneficial?
  - Return on investment was not a major discussion topic.
- Include buyouts as alternative
- Need to consider maintenance, WQ, and all options when deciding on alternatives. Also need to give consideration to coordination with other departments and sections.
- Should consider affordability and some financial constraints.
- Need policy that balances financials, levels of service, and possibly several other factors.
- CIP section needs a level of detail communicated when project received. Needs sufficient level of detail for CIP to deliver a specific project.
- City can only evaluate so many alternatives. Need stakeholders to understand and receive input on the process of how to identify.
- City needs a process to limit alternative that City will consider when they go to stakeholders so that excessive resources are not expended looking at too many alternatives.
  - Financial affordability
  - Performance
  - Acceptability in balance
- New topics – buyouts, infrastructure conditions assessment. Will inform LOS target.
- CIP section holds monthly meetings on risk management for each project. Helps head off threats to project budget and schedule.
- **Communicating Flood Risk** - We have consistently, but more implicitly, communicated flood risk to council by stating the estimated backlog of capital needs over the years. We need to find a way to be even more explicit about the situation as we move through the public vetting process over the next year so that decisions/direction about our longer term capital program will be fully informed.
  - Linda feels this is very important.
  - Very difficult to get this out to people. Need vehicle to get it to decision makers.
  - How do we stay vigilant? Even TXDOT evaluates projects differently after an event and is in a reactive mode of project development
  - NFIP Communication has been very good recently. Floodsmart and other info are helping with citizens. Messages are getting out. Majority of flood risk is outside of the mapped floodplain. This supports the need for local floodplains.
  - Need a policy of how stormwater risk is communicated.
    - We have information.
      - Area of potential high water – how much do we tell people?
    - Infra assessment
    - Post flood even info
    - Realtime flood status at gauges.
  - Strategy
    - Take the information that we have and make it more available.

- Fill data gaps and provide that information as well.
    - Need a process for updating data that has been acquired. This will be even more critical as that data is shared more.
  - Flood Warning – If a project is not feasible, consider buyouts or flood warning if that is your best option available?
    - This is a viable option when the flood risk cannot be removed, at least it can be mitigated to reduce threat to life.
- **Partnerships** - How do other cities respond to partnerships? How are funds allocated for partnerships, etc.?
  - What about creating cost sharing/incentive programs for projects on private property that have public benefit?
  - Departmental Partnerships - if we don't allocated part of our budget every year for partnerships, everything will be allocated to specific projects. It seems like we need to allocate to a partnerships category to start building funding available for this. Especially since the City manager is stressing the importance of partnerships. How else could this happen?
    - Stakeholders need to understand there is a tradeoff for everything.
    - Give stakeholders examples of partnerships and make recommendation on how we move forward
    - Options that you can't budget for:
      - Set aside budget for partnerships and sacrifice potential CIPs
      - Wait for development or project driver and sacrifice project after the fact in order to respond to the opportunity.
      - Water projects are more opportunistic because they are not tied to specific CIPs. They have a general discretionary fund for partnerships.
    - Is there is a way to join streets in their 2018 street projects?
      - You can budget for these.
    - Does stormwater send streets or water/sewer their CIP list for them to plan for?
- **Balancing Large and Small CIP Priorities** – How should the City balance priorities between large and small projects?
  - One large project may benefit more residents but only in one area of the City.
  - Smaller projects may be more visible to residents but have less benefit in overall flood damages.
- **Balancing Low and High Property Values with BCR** – Need to consider how to calculate BCR and how this impact low income areas. Low value properties that flood more often will have a lower BCR than high property values that flood less often. How can we make it work for both?
  - BCR results in projects only in high property value neighborhoods.
  - How to we make this more equitable?
- **404 Permit Mitigation Bank** – Master Plan should look into if the City should purse this to mitigate project impacts vs. paying to mitigate elsewhere. Need to make a business case for why this makes sense for the City. How much has City spent on mitigation so far and how much would it cost to create and maintain our own bank?
  - Over \$300K spent for mitigation on recent projects
  - Mitigation is a critical cost and consideration for projects.



- Mitigation would need to be planned and incremental.
- Maybe Lebow detention and lower detention could be credited as mitigation in the future if the City banked credits.
  - Individual Permit results in many changing directions from the USACE.
- Constructed wetlands could be credits that are sold.
- Stream restoration projects could result in credits that are sold or leveraged by the City on another project.
- Does City want to get into mitigation bank business? And sell dollars to others?
- Would need a dedicated person to manage the mitigation bank.
- Would need a citywide policy – includes parks, planning, etc.
- **State and National Stormwater Regulations** – How should the City be positioned to respond to future regulations and potential water quality requirements?
  - Current position is to wait on regulations. Need to present pros and cons to stakeholders and get feedback on this position.
- **Stream restoration** – What type of restoration is appropriate for an urban environment?
- **Linear greenway detention vs. a big block of detention** - Which is more effective and is there a better situation for when to do which one?
  - When land is available through a sale or tax delinquency, should the City be proactive in purchasing this property? Need to identify how and when property would be purchased and maintained.
- **Prioritization** - Should reducing flooding in repetitive loss areas be used to help evaluate and prioritize future planning studies and capital projects?
- **Flooding vs. Erosion** - Can we determine the bigger monetary threat to the City- flood damages (damage to structures and property) or damages due to erosion (exposed pipes, bridges, eroding banks within proximity to roads/structures)?
  - How should private erosion policies be addressed? Should erosion be considered in the buyout program?
  - Cannon – For stream erosion, we are more monitors. Need a stated policy for customers to understand that the City can only allocate funds towards public benefits.
  - Is there a defensible case for the public benefit of fixing private property erosion?
  - USACE has programs that will provide some funds but City will be required to maintain project into perpetuity.
    - Administrative costs need to be considered.
- **Planning Program philosophy** - What is the balance between mitigating flooding in areas that are already close to fully developed (infill areas) and identifying regional solutions to mitigate flooding in greenfield areas to get ahead of future development
  - City does not subsidize development typically, so regional detention is not expected to be a high priority.
  - Is there a public benefit to regional detention?
  - Planning and parks should perhaps be leading this initiative.
  - There is potential public benefit to looking ahead and planning regional detention.
    - Mary's
    - Lake Worth
- **Communicate need for study when there are no complaints from citizens** - How do we convey to the Council that an area needs to be studied if there's no complaints from citizens? Could we come up with a list and map of areas where we want to focus on collecting more data about flooding history, to fill gaps in our current records and support future planning and

projects? Then come up with a plan for when/how to visit these sites after heavy rainfall events to document our findings. This could be one of the strategies that is noted in the MP that is put into the implementation plan with recommendations for how to go about doing this.

- **Population Projections** – What is the future stormwater demand based on population projections?
- **Mapshed Planning** - What factors should be used to determine the required level of accuracy in mapshed planning? Do we use fully developed or existing? Is it based on residential or commercial development?
- **Criticality Analysis** – What additional information is needed to inform this analysis? How should this information be used to inform future infrastructure decisions?
  - Need stream inventory to fully understand the maintenance needs.
  - Need CCTV pipe assessment to refine stormwater pipe criticality.
- **Total Project Cost Estimate** – How will this information be used to inform future decision making?
- **Technology** – How will technology impact the goals of your section over the next 10 years – H&H model management, water quality modeling, etc.
  - Website would help communication risk
- **Funding Sources** – Are there funding sources available that would help your section better leverage resources and accomplish initiatives – grants, partnerships, special drainage districts, etc.
- **Budget Allocations** - Do we allocate a % of CIP budget to different types of capital projects (flood mitigation, erosion reduction, WQ, pipe rehab, seepage, buyout, etc.) or let them compete against themselves?
- **Council Engagement** – Who leads the effort to better engage council and what should this process include?
  - A more formal advisory committee should be established that we work with regularly that is more involved in our program and decision making. This may be a progression of the CAC.
- **Staffing Level Analysis** - Need to consider this based on what is recommended over the next 10 years. Do we need to hire additional staff to help accomplish the recommendations and what type of staff would be needed?

## MEETING MINUTES

<b>Date:</b>	December 12, 2016	<b>Type of Meeting:</b>	Coordination with Field Operations/Maintenance Engineering
<b>Project:</b>	Stormwater Management Program Master Plan (SWS-080)	<b>Meeting Start Time:</b>	9:00 AM
<b>Meeting called by:</b>	Jennifer Dyke		
<b>Minutes</b>			

**Attendees** – Jennifer Dyke, Greg Simmons, Chris Johnson, Vicente Elias, Jeremy, Cannon Henry, Ben Pylant

- **Level of Service** – LOS impacts our maintenance. City can't maintain effectively if we don't know what LOS we should be maintain to. Should City maintain to design capacity or something else? Is LOS different in different areas?
  - Not much pipe installation as part of maintenance. Mostly fixing cave-ins and replacing a few joints. Cannot significantly impact LOS increases through maintenance unless you replace the overall system. Maintenance is focused on ensuring that infrastructure maintains its current LOS. Not really increasing LOS.
  - Focused also on "ditch list". The ditch list is a list of the recurring maintenance needs of the City. These are locations that are frequently inspected an maintained prior and following storm events.
  - Ditch list Example – Arlington Heights, 7<sup>th</sup> street, etc. Critical inlet and sensitive areas.
    - Are there things we are doing in maintenance that could be significantly reduced with a relatively minor project? This should be a consideration of CIPs.
    - Some of these CIPs or improvements to reduce ditch list items are already scheduled:
      - Trinity Blvd – Pipe is fine but trees upstream keep causing problems. However, cannot go upstream on someone else's property to fix trees. Communicate with SW planning. Maybe we can go get an easement.
      - Need better knowledge communicated to SW planning. Would be helpful to provide SW planning with the emergency work order report.
      - The process for providing information from maintenance to SW planning should include a regularly scheduled query of critical data from Accela.
  - Ditch list also typically corresponds to the 51 flood warning locations.
    - Cannon can provide the ditch list to planning. It is in GIS.
    - These visits are tracked as ditch list work orders
    - Not a formal storm event size that triggers ditch list visits. It is more subjective.
  - Inspection about 10,000 inlets and cleaning about 5,200 per year. Expected that in a couple of years we have a better understanding of frequency of cleaning needed for different inlets (leverage Accela) and can be more efficient to understand which inlets to inspect and clean.

- Need to consider street sweeping program of environmental and how that impacts inlet cleaning frequencies.
  - Also need to consider that the communities have a bigger impact than storm events on the need for maintenance. Mattresses and garbage clog stormwater infrastructure more than sediment.
- **Park Maintenance** - Partnership with parks. Right now, stormwater doesn't maintain stormwater infrastructure in parks. Should we? Could we develop a better partnership program with parks and maintain stormwater infrastructure in parks if they are willing to perform more routine, park type maintenance activities (mowing, trash removal, etc) in our multi-use projects.
  - We do have maintenance issues. Parks goes out with herbicide to limit their mowing activities in channels to the extent possible. Stormwater only uses herbicide once a year.
  - Stormwater is effective at maintaining channels with heavy equipment and limited frequency (about 3 times per year). Parks is good at frequent mowing of more maintained areas.
  - Over 300 parks to constantly mow and maintain. Tree removal in parks and channel is once every 3 years. Big issues for a tree that is falling or could potentially fall and clog culvert or cause erosion. More reactive with citizen complaint.
    - Field Ops helping come out and advise parks. Getting more calls from Parks to help.
  - Should stormwater take a more active role in parks or water, if these departments took a more active role in another task. For example, stormwater is mowing pocket park
    - Is there an opportunity to trade? Let parks mow some multi-use detention facilities and stormwater could help with larger equipment needs. There could be an opportunity for efficiencies here based on meeting with parks.
  - Multi-use detention facilities – Need to figure this out the future maintenance needs if this is going to be a more common part of the stormwater CIPs.
  - Native grasses and plantings – Stephanie was helping on this but haven't received much support recently. Need to expand this program. It's site specific and needs support.
  - Stormwater maintenance does not get off of mowers, deal with trash, or deal with landscaping. Need to let each department do what it does best.
- **Linear greenway detention vs. a big block of detention** - Which is more desirable from a maintenance perspective?
- **Flooding vs. Erosion** - Can we determine the bigger monetary threat to the City- flood damages (damage to structures and property) or damages due to erosion (exposed pipes, bridges, eroding banks within proximity to roads/structures)?
  - HOA will sometimes have an agreement that they will maintain channels and erosion.
  - Consistent policy in place currently that City does not address private erosion issues.
  - There is an erosion potential map that communicates erosion risk.
  - Are there places where sediment is being continually removed?
    - Yes, several. Ohio Garden is an example.

- If we understood this situation better, we could improve water quality, reduce maintenance, and protect infrastructure if we maintain channel upstream or build a place for sediment to be captured and more easily removed.
    - We have Acela work orders for these sediment removal locations. How do we use the data that we have better.
    - Need to be share info more readily.
  - It is SW planning responsibility to handle the analysis to help inform decisions based on field ops data.
- **Flood Warning** – How will flood warning be utilized over the next 10 years? What does the program need to achieve the goals and objectives? How far should we go with flood warning in view of likely trajectory for capital improvement program?
  - Had 10 criteria when program was established. Looked at over 300 crossing locations.
  - Up to 51 locations currently
  - Preventative Maintenance 3 times a year. Vendor is responsible for maintenance. This is a work order contract.
  - 1 fatality since 2006-2007.
  - Pressure transducer gauge – main objective is to alert motorists. Flashers need to be on.
    - Secondary objective is to alert field ops about high risk locations. Alert at -1, -.5, and 0 foot depth so that field ops will close roads.
    - During working hours, field ops can respond quickly. Outside of hours, send people home with trucks and try to be more responsive.
    - Field ops will monitor weather and alerts continuously. Intensity rainfall during the event might be helpful. Laura provides rainfall after the fact, but that is too late.
    - Alerts are provided to emergency management.
  - Biggest drawback is not understanding the channel geometry. Trying to determine the amount of rain and intensity that results in a road being overtopped.
  - Program is underway (Ranjan) to answer questions about the program and framework for possibilities and match up with priorities and resources going forward
  - Don't want to cross into EMO, but can we share this info more effectively with other departments.
  - Ranjan is looking at how information is provided out to public. Cannon is focused mainly on making sure flashers are on and that drivers are notified.
  - What are the opportunities for advanced warning? Is this more feasible?
  - Need to consider how CASA radar can contribute to flood warning. Coordinate with EMO.
- **Funding Sources** – Are there funding sources available that would help your section better leverage resources and accomplish initiatives – grants, partnerships, special drainage districts, etc.
- **CCTV** – How will this impact section in the future?
- **Dam Assessment Program** – City owns 6, 7, or 8 dams.
  - Maintenance Engineering is more knowledgeable.
  - Parks owns some of the dams and they will join in these inspections. Parks will do actual work.

- PAC understands that they own these dams. Maintenance Engineering takes lead with TCEQ. Discuss with Parks.
- **Initiatives to help accomplish vision**
  - Activities are generated by either customer complaint or by City staff documenting items in the field that they see. Customer initiated items are the highest priority.
    - Complaints are forwarded to Cannon's group and he researches easement and property owner info as well as possible solutions.
  - Streets and stormwater are combined but two separate groups. Sometimes will share equipment during ice storms or things like that. But otherwise all funding and staff are separate.
  - Under Jay Chapa Assist CM. Now under Richard instead of Greg. Not an issue in coordination.
  - 5-year backlog of work that needs to be accomplished.
    - Revisit after stream inventory
    - Priority checklist determines how projects are prioritized.
    - Risk of life or property become priority.
    - Field Ops can share priority checklist
      - Based on field ops past experience
    - "Ditch list" are critical locations (70) that are inspected before and after every storm events.
    - Focus on maintenance. If it is a larger CIP that exceeds certain thresholds of cost or resources, then that becomes a CIP. More feasible and efficient to have CIP.
      - Need to strike balance. Sometimes high risk (cave in next to Montgomery Plaza) needs a contractor. Home much should be evergreen contract and how much should be City staff.
        - This project should be in house although before it may have been evergreen. But these contracts have high mobilization costs.
      - Need evergreen contractor
        - Not having in-house dedicated exclusively to these areas and neglecting other items
        - Contractor is able to complete projects quicker.
        - Warranty work removes risk to contractor.
        - Mobilization cost is a bigger issue.
          - Mirrors the water contracts
      - Ask field ops to do maintenance and some level of CIPs. Some projects are large enough or sensitive enough to have evergreen.
      - Gap between field ops and evergreen. Need field ops to fill gap and take on some larger and riskier projects.

- If it's not urgent or sensitive location, and doesn't consume too many resources too long, then.
- **Staffing Level Analysis** - Need to consider this based on what is recommended over the next 10 years. Do we need to hire additional staff to help accomplish the recommendations and what type of staff would be needed?
  - Fort Worth is in likely to be one of the better maintained communities.
  - North service center will cut down on drive time. Some balancing of scheduling, etc. There is sometimes only one piece of equipment.
  - Rentals will be looked at as a possible benefit.
    - Cost of service is a major factor. Will be included in powerpoint that will be sent to SW Planning.
- **Big Picture Goals**
  - Be one of the best out there in stormwater
  - Equipment is pretty good.
  - Northside Service Center – Fall 2017 operational. New challenges of balancing resources.
  - Long-term want North and South to not have to share equipment.
  - Would like to eventually have CCTV equipment.
    - This is more long-term. Would like to have someone we can call if CCTC is needed.
  - We have lots of data. How do we use it to work more efficiently?
  - Stream Inventory – we do not know exactly what needs we have. This will start treating channels more like inlets and storm drains. Could change the balance of how we mow.
  - ¾ mile per year of engineered earthen channels that are maintained.
  - With limited resources, need to use resources where there is a benefit.
  - Channel inventory and criticality study need to inform each other to fully understand the resources needs.
  - Bar ditches are somewhat a focus now. It depends on what people are looking at now. Maybe citizens see City working on bar ditches and request.
  - West Nile and Zika – this creates more maintenance requests for stained water, etc. They want to see equipment in there and the water gone. In reality, the dunks are more efficient and can effectively address the issue much quicker.



## MEETING MINUTES

<b>Date:</b>	December 13, 2016	<b>Type of Meeting:</b>	Coordination with GIS/Public Engagement/Business Support/Customer Service/Maintenance Engineering
<b>Project:</b>	Stormwater Management Program Master Plan (SWS-080)	<b>Meeting Start Time:</b>	10:00 AM
<b>Meeting called by:</b>	Jennifer Dyke		

### Minutes

**Attendees** – Maenica Berry, Jennifer Dyke, Ben Pylant, Lynn Lovell, Greg Simmons, Cannon Henry, Elizabeth Young, Veronica, Anthony, Lauren Pham, Katie, Linda Stern

- **Public Data Access** – How will data be accessed and provided to public? Data could include flood risk potential, erosion potential, flood warning, etc.
  - There are many opportunities to provide more data to stakeholders. Accela work orders could even be provided so that people could see their issues documents and when they were resolved. Open Data Portal – raw data is available for people to create whatever they want.
  - More public data helps with CRS objectives. Compliments initiatives of the City communication office.
  - Flooding data questions from stakeholders are routed through SDS and then to SW Planning. The data has to be uploaded to an FTP site and sent out. These requests come from developers and consultants.
  - One Address – Areas of potential high water will be added as part of this new tool.
  - Capital Projects – People want to know the status. Citywide CIPs are being updated on the City website. Arlington Heights.
    - The communications office does not include studies on the City website. It’s possible that studies should be included.
  - A website showing all the City CIPs and assessments would potentially help communicate the City’s efforts. TPW has an internal site for tracking but there is not currently a champion for this effort.
  - CRM311 – City website was historically more helpful to stakeholders than it is now. 311 is an initiative to improve customer information on the website. All departments are working on data management and how they contribute to CRM311.
  - Audience
    - People that flood
    - Developers
    - Home buyers
  - What information
    - Infrastructure GIS
    - Building permits



- Area of potential high water
    - Stream inventory
    - Flood Warning
    - Early Warning
  - Negatives
    - Has implications on property values potentially. Stakeholder question.
    - Making sure data is current. Need process.
- **Proactive or Reactive Maintenance Strategy**
  - Pipe Assessment Program
    - Info will be pushed out to SW planning and field ops
  - Channel Assessment
    - Wolffart will come up with scoring criteria for channel assessment.
  - How big will the rehab program be? That is yet to be determined. Need Channel Inventory and Pipe Assessment to determine rehab needs.
  - What can we do to help the situation in the best way that we can:
    - Maybe it is a C or D pipe. Maybe we slipline or patch.
    - Trying to leverage resources as efficiently and effectively as possible.
  - How do we update data?
    - Need a process to update areas of high water
    - Need a process to update pipe grades.
    - Need process before info becomes public.
  - As quickly as possible, need to determine if failure is imminent
  - Accela – Inlets were added in 2010. 2013 Accela went live. 2014 mowing and channel restoration were added.
    - Maintenance needs and ditch list from Accela need to be considered as part of CIP prioritization if it is not already.
    - Rehab alternatives need to be in the CIP Prioritization
  - Need a better understanding of the cause of the work order
    - Sometimes the issue can be addressed by mowing
    - The Accela work orders could also inform the street sweeper program of Environmental.
    - Don't see many inlets completely full any more.
    - Inlets cleaned every 2-3 years. If clean every year, then reduce frequency. Efficiency
  - Beginning stages of how to use the Acela data.
    - Cannon wants to know about duplicate service tickets. Can we be more practive.
  - Proactive and Efficiencies
    - Less maintenance time going to same location if not dirty except every 5 years
    - Be more proactive and anticipating customer needs. Especially if property owner has a complaint every year.
    - Problem codes – seepage. We don't need to visit these locations. These more visible areas also can help win support by showing progress.
- **Maintenance of channels** - This will be a bigger focus, more on criticality in the future.
  - Field staff feedback needs to be communicated to others in the department.
  - Need formalized process for after the rain event data collection.

- Need perhaps a more formalized process (CRM311) to gather input on flooding. Similar to pothole app. Allow residents to post flooding issues.
- **Easement** – Easement research is a major focus of the maintenance engineering department. If easements were known for the entire City:
  - Response time would be better on maintenance projects
  - Reduce staff time to research easements
  - Prevent City maintenance in locations where there is no easement.
  - Possibly give credit if they can attach maintenance agreement to the property if the agreement was lost.
  - SW Utility Data that is made available to public could provide more transparency on the SWU billing impervious.
- **Level of Service** – LOS impacts our maintenance. City can't maintain effectively if we don't know what LOS we should be maintain to. Should City maintain to design capacity or something else? Is LOS different in different areas?
- **Asset Management** - Future use of Accela or another system should be considered to determine how to best meet City needs. City is looking into other options that could be used citywide. May not need to benchmark since Elizabeth is involved in the effort to look at other options but need her input to inform the MP about his effort.
- **Flooding vs. Erosion** - Can we determine the bigger monetary threat to the City- flood damages (damage to structures and property) or damages due to erosion (exposed pipes, bridges, eroding banks within proximity to roads/structures)?
  - **Internal Data** – GIS data sits on a CD or project folder. Need a way to make the data more available to internal departments. There are hyperlinks online associated with planning studies but the data is not consistent to pull into a citywide datasets.
  - **Channel Inventory** – Will look at channel XS as part of study.
  - **Erosion**
    - Need to look at channel inventory
    - Consider erosion potential based on FNI study.
- **Population Projections** – What is the future stormwater demand based on population projections?
  - **Forecasting Population** – Info from comp plan could help. This is updated annually.
- **Funding Sources** – Are there funding sources available that would help your section better leverage resources and accomplish initiatives—grants, partnerships, special drainage districts, etc
- **Criticality Analysis** – What additional information is needed to inform this analysis? How should this information be used to inform future infrastructure decisions?
- **Technology** – How will technology impact the goals of your section over the next 10 years – GIS inventory, work order management, field tablets, etc.? How will social media, cell phones, etc. keep up with changes?
  - Everything needs to be on mobile device
  - Look at potentially people working from home
  - Look at drones
  - Apple Watch
  - Augmented Reality – Already apps for code compliance
  - Citizens self service options
  - Mobile app for Boston pavement condition – only through city complaints
  - Maintenance – how to we repair and with what materials.

- Sense change in impervious surface – image classification. Water may be doing this already
- **CCTV** – What level of CCTV is needed annually to meet the objectives of the stormwater department over the next 10 years?
- **Staffing Level Analysis** - Need to consider this based on what is recommended over the next 10 years. Do we need to hire additional staff to help accomplish the recommendations and what type of staff would be needed?
- **Council Engagement** – Participating in budget planning. Difficult to get attention when things are not flooding. Focus on capital projects, flood warning grant, etc. Spinoffs Grey and Zadeh near Southside.
  - Have a mindset of ways to expand understanding.
  - Potentially changing how we do the CAC. What should this look like in the future?

# INTERNAL STAKEHOLDER ENGAGEMENT

## STORMWATER MANAGEMENT PROGRAM MASTER PLAN



- December 2016 - Interdepartmental Coordination Meeting Minutes



# City of Fort Worth Interdepartmental Coordination Meeting Minutes

## MEETING MINUTES

<b>Date:</b>	December 5, 2016	<b>Type of Meeting:</b>	Coordination with Planning
<b>Project:</b>	Stormwater Management Program Master Plan (SWS-080)	<b>Meeting Start Time:</b>	10:30 AM
<b>Location:</b>	Real Property Conference Room - 4th floor Gordon Swift Bldg	<b>Meeting Stop Time:</b>	12:00 PM
<b>Meeting called by:</b>	Jennifer Dyke		

### Minutes

**Attendees – Eric Fladager, Jennifer Dyke, Chris Johnson, Greg Simmons, Ben Pylant**

**Meeting Goals –** Provide an overview of Stormwater Management Program Master Plan effort and coordinate initiatives with planning goals and objectives.

1. Provide an overview of our effort to update the SWMP. Provided draft visioning statement. Discussed vision statements and goals for systems & project delivery.
  - a. Zoo Creek is a great example of layered benefits and value of City investment is more easily communicated to council, neighborhoods, etc.
  - b. Participated in Lebow channel with charrette and coming transit station. Greenway and trails contribute to project goals and surrounding developments (Panther Island, etc.) and neighborhoods.
  - c. Some shared goals with planning and stormwater. Makes property safer, more developable, and can provide for connectivity.
  - d. Stormwater would like to be proactive and see continual coordination for all projects, not just larger Zoo Creek type projects. Do all projects need to be vetted with planning or is there a way to establish an understanding of initiatives?
    - i. CIP Prioritization incorporates drivers from Comp Plan.
    - ii. Stormwater is a support role and not necessarily a driver that generates widespread support.
    - iii. Arena and Montgomery Street – Stormwater is building relief line for Eastern Arlington Heights. Could this have been more proactively coordinated with stormwater and the goals of the City?
    - iv. Engage in Area Plans – TODs, Urban Villages, etc. Planning modifications result from planning processes. Some are reactive based on development proposals.

1. There are some opportunities for structured coordination. But best to keep open dialogue.
  - e. Floodplain would like to acquire all floodplains for easement to protect natural function. May also provide for linkages and help with planning initiatives.
  - f. Parks are key partner for stormwater. If developers want to give over floodplains, how do we make those something valuable for the City? Active Transportation Plan will create an opportunity to evaluate this on a larger scale across departments and possible advocacy groups that drive certain initiatives.
  - g. Lake Worth Vision Plan – effort to utilize natural infrastructure as framework to organize development around. This could be a good example.
2. Discuss Planning’s vision, key objectives for the next 10 years. Discuss specific planning initiatives that could be incorporated. Some plans/documents to be considered:
  - a. 2016 City of Fort Worth Comprehensive Plan including Future Land Use maps and policies
  - b. Urban Village Master Plans;
  - c. 2015 Parks Master Plan;
  - d. Trail/Bike Master Plans and draft project designs (as applicable);
  - e. Streetscape Plans and Projects in Urban Villages and other targeted central city locations;
  - f. Bike Fort Worth Plan;
  - g. Walk! Fort Worth Plan;
  - h. Lake Worth Vision Plan;
  - i. Lake Worth Greenprint;
  - j. Berry/University Development Plan;
  - k. Six Points Urban Village Design Charrette Final Report;
  - l. Regulating Plans for the various Form-Based Code Districts (NS, CB, TU);
  - m. Potentially the purpose statements and standards of the subdivision ordinance and various zoning districts, particularly MU and UR (for opportunities to educate and/or integrate stormwater management in site development through innovative zoning and subdivision standards)
3. How does Planning and SW work together currently - lessons learned
  - a. Participation in annual CD briefings
  - b. Participation in ISD coordination meetings
  - c. Are there routine meetings and coordination items where stormwater could be involved to help coordination? Not necessarily. Most of the opportunities are specific initiatives.
    - i. Comprehensive Plan – Have not had the in depth work that was typical. Need more staff to perform updates. Trying to find different way to approach this. This would be more strategic development, more short term instead of 20 years. Focus on built form of the City. Something that has better fiscal result for City over time. Development that we are good at producing (residential neighborhoods in outskirts of City) is having to be subsidized by other revenue from City.
      1. Yearly updates would be shorter duration plans and focused on the built environment. This seems to be an opportunity to be the integration mechanisms for all departments. Process hasn’t started and does not have a

defined timeline. Resources are limited to do this in house. Would hopefully have Urban Village Progress Report – Return on Investment Analysis in 2017. 5-Year Strategic Plan and how they contribute to fiscally responsible City. Stormwater needs to attain planning products and be involved in process. Need more coordination with council and departments to determine what will go forward.

- ii. Planning does not have sector plans, etc. that show the goals and initiatives for each year like the stormwater 5-year CIP Plan.
  - iii. Council District Comprehensive Plans – Involvement early in the planning process is helpful. These meetings are more for the council member.
4. How can Planning & SW partner/coordinate together in the future based on the above
    - a. Zoning implications/increases in impervious cover especially in floodprone areas (this is the first thing that comes to mind)
  5. Comprehensive Plan Updates – Trend chapters get updated each year. Populations, etc.
    - a. How does planning work with economic development? For example, Riverside near Race St. north and south of 121. Economic Development looking at TIF and contacted stormwater. Coordination is difficult. Some of the ED deals are intentionally kept secret to protect the process.
    - b. Ask parks about park dedication policy. They are working on this now. There may be an opportunity to help inform parks dedication to overlap benefits of stormwater. The more benefits that you overlap, the smaller the dedication is required possibly.
    - c. Active Transportation Plan
      - i. Provide mapped flood hazards and erosion hazards. These will feed into Active Transportation that will evaluate connectivity, etc.
      - ii. Also provide to comp plan and future landuse planning.
  6. Benchmarking
    - a. Coordination among departments. Is there someone in City that has responsibility to pull everything together?
  7. CIP Prioritization is aligned with planning through the Comprehensive Plan.
    - a. How can SW align with water and streets?
  8. Use Examples of Coordination
    - a. Zoo Creek
    - b. Use Lake Worth as an example of what could be. Not much development now.
      - i. Consider multiple objectives of managed green space and floodplain easements.
      - ii. Contributes to planning initiatives, Active Transportation, etc.
    - c. Could allow different uses/densities based on multiple objectives.



## MEETING MINUTES

<b>Date:</b>	December 8, 2016	<b>Type of Meeting:</b>	Coordination with Water Dept.
<b>Project:</b>	Stormwater Management Program Master Plan (SWS-080)	<b>Meeting Start Time:</b>	9:30 AM
<b>Location:</b>	TPW Conference Room 270	<b>Meeting Stop Time:</b>	11:00 PM
<b>Meeting called by:</b>	Jennifer Dyke		

### Minutes

**Attendees** – Chris Harder (Water Dept), Ranjan Muttiah, Chris Johnson, Jennifer Dyke, Ben Pylant

**Meeting Goals** – Provide an overview of Stormwater Management Program Master Plan effort and coordinate initiatives with water department goals and objectives.

1. Provide an overview of our effort to update the SWMP.
  - a. Discuss Schedule – Schedule provided.
  - b. Discuss vision statement – vision statement was provided and major visioning items were reviewed.
2. Discuss Water Dept. vision, key objectives for the next 10 years. Discuss specific initiatives that could be incorporated.
  - a. Water maintains rain gauges to assist in sewer metering. These could be utilized by SW.
    - i. Water is focused on ensuring there is no overflow of sewer to SW system.
  - b. Water Quality – major focus. Another waste water treatment on Mary’s Creek. TRWD involved.
    - i. Lake Worth – maybe stormwater should have been more involved.
      1. Dredging is a major issues as well. Driven by citizens for recreation more than water quality. The treatment plant is able to address pollutants.
      2. Master Plan was 2008. Water and Sewer projects are coming to an end.
        - a. More visioning. Comanche street. CIPs.
      3. FNI did a study funded by gas revenues. – Sediment loading and nutrients
        - a. Alternatives had some very expensive costs.
        - b. BMPs were recommended for private development.
      4. Green Print – funded by gas.
      5. Love Circle (\$3 million) – Focused on removing the septic tanks.
      6. Hike and Bike Trail – Parks (\$7.5 million)
      7. Erosion Ordinance – Can it be justified for Lake Worth? Why not other lakes?
        - a. Doesn’t necessarily help treatment to control turbidity.
      8. Dredging was \$15 million
        - a. Not necessarily a capacity issue.
        - b. More about recreation.
      9. Ordinances would need to consider areas outside City, which would need support from the counties.



3. How can Stormwater help Water Dept. do their job better?
  - a. Ranjan is evaluating where water utilities are at risk due to stream erosion and meandering.
  - b. More combined projects. Work together to get these projects completed.
    - i. Coordination on projects to do everything at once – don't go into neighborhoods twice.
    - ii. Need discussion with Water before the plan goes to council. Water coordinates fairly regularly with streets. Expected that stormwater will coordinate with streets as well.
  
4. How does Water Dept. and Stormwater work together currently?
  - a. Are there consistent and intentional coordination opportunities?
    - i. Coordination is informal. Have not been coordinating much lately. Mostly it is project collaboration.
    - ii. Need very intentional coordination prior to budget being set to make sure plans are informed.
    - iii. Need to look at proposed bond projects. TPW is talking to streets, water, and stormwater independently but not necessarily coordinating with all departments at once.
  - b. Large trunk mains could be mapped easier. But smaller pipes are more impromptu based on areas. Rehab projects are not very well defined.
  - c. There is constant monitoring in water department and some projects become high priority.
  - d. Capital budget has sanitary sewer overflow initiative line item in budget.
  - e. Get list from bond and evaluate all utilities in these streets. Cash fund utility replacements in coordination with these projects.
  - f. Water Dept does not necessarily overlap with Parks or collaborate all that often.
  - g. Development review process is typically supported and try to be consistent with water and stormwater. Generally this is going well.
  - h. Zoo Creek – environmental management is monitoring WQ and administering the MS4.
  
5. How can Water Dept. & Stormwater better collaborate together to take advantage of opportunities to improve drainage (if needed in the area) with water projects?
  
6. Benchmarking - Are there benchmarking items that should be included?

## MEETING MINUTES

<b>Date:</b>	December 12, 2016	<b>Type of Meeting:</b>	Coordination with Emergency Management
<b>Project:</b>	Stormwater Management Program Master Plan (SWS-080)	<b>Meeting Start Time:</b>	1:00 PM
<b>Location:</b>	TPW Conference Room 270	<b>Meeting Stop Time:</b>	2:30 PM
<b>Meeting called by:</b>	Jennifer Dyke		

### Agenda

**Attendees** – Carlos Gomez, Juan Ortiz, Ranjan Muttiah, Jennifer Dyke, Greg Simmons, Ben Pylant

**Meeting Goals** – Provide an overview of Stormwater Management Program Master Plan effort and coordinate initiatives with Emergency Management goals and objectives.

1. Provide an overview of our effort to update the SWMP.
  - a. Discuss Schedule – Schedule provided.
  - b. Discuss vision statement – Visions statement provided and discussed.
2. Discuss Emergency Management vision, key objectives for the next 10 years. Discuss specific initiatives that could be incorporated.
  - a. 5-Year Mitigation Action Plan – This is majority of tasks.
    - i. Lots of change as the plan progresses. Can't really go beyond 5 years.
3. How can Stormwater help Emergency Management do their job better?
  - a. Need to understand better which departments are stormwater and which are not.
  - b. CASA – Establishing a high resolution network of radar data. Goal is to provide people more warning. Tornadoes, windstorms, straight line wind, hail, and flooding.
    - i. Hosting one radar by an abandoned water tower on Boat Club Road. Prefer more radars to the west
    - ii. Working with UTA profession Dr. DJ. Working on flood inundation modeling.
    - iii. Working with universities and City is testing an App
      1. Can add points with warning.
      2. Asking community to identify areas where they would like to be warned.
    - iv. Best case is about an hour of advance notice. Additional radars along western counties (Parker, Hood, etc.) that would help advance notices.
    - v. Funding for radar in Weatherford can be challenging because of distance and outside city limits.
4. How does Emergency Management and Stormwater work together currently? Are there consistent and intentional coordination opportunities?
  - a. Emergency Management helped to fund some additional flashers. Started with 18.
  - b. Very helpful for EMO to access sensors and would support expansion of flood warning

- c. Working on plan to move to new building. 50K sf and will probably take about 30k in next 5 years. Maybe new EOC at Bob Olen (sp?) and make zipper building the backup. City may sell zipper building.
- d. Text and email is how they warn. Nixel. Also have a database that they purchase from Tarrant Co to be able to call residents. Many people going away from landline. May be voice over ip.
- e. Outdoor Warning System (Sirens) – Wind, hail, or chemical spill. Not great for flood warning because they need to evacuate. Not good for waking people up because they are so spaced out.
  - i. Austin Onion Creek watershed is considering sirens for flood warning but it's important that limitations are understood before going in that direction.
- f. Interested in partnering with SW in educational outreach to help people prepare.
- g. Low water crossings – Would like to see this on the new app.
- h. Hazard Mitigation Plan – 5 year recertification.
  - i. Political reasons – it is important that the information is in conjunction with surrounding communities. Worked with NCTCOG. Received some grant funds.
  - ii. Mitigation Funds - \$1 million for Lebow.
  - iii. Available on the website.
  - iv. City is planning to pursue grant funds for buyout in Arlington Heights. Juan has prepared grants for buyout in other communities but not Fort Worth.
  - v. State of Texas Disaster Recovery Plan
  - vi. Texas Hazard Mitigation Plan has some info on preferred projects such as buyouts
- i. Education
  - i. Know what to do Campaign – Fort Worth helped to lead this. There are some specifics.
  - ii. Trash App – Can we alert citizens to not put cans in floodprone areas?
  - iii. 33K people have opted in to Trash App
  - iv. Randy Westerman – Ran City cable office and experience in video production.
    - 1. Working on 90 seconds to save your life. 15 in next fiscal year
    - 2. Working on winter storm warning.
    - 3. Messages to deaf, blind, etc. Also multiple languages.
    - 4. Partner on flood warning messaging. Offer for EMO to help stormwater make a video about understanding flood risk.
- j. Data from/to Stormwater
  - i. During Event and Post Event Summary
  - ii. Flood warning data used to be available. Don't have that since building move. EMO would like Datawise access.
  - iii. Geocortex – collecting different GIS data from different City departments.
  - iv. EMO will be able to reimburse some protected actions if City can document their efforts/expenses and the reports of flood losses and insurance policies.
    - 1. Track by county
  - v. EMO after event. This is the type of info provided to City Manager level
    - 1. What was the impact to community
    - 2. What was the impact to infrastructure
    - 3. What was the cost
    - 4. Debris removal
  - vi. \$1.5 million reimbursement so far from May 2015
  - vii. Flash flooding primarily.
    - 1. Mostly along Trinity River.

- viii. Stormwater Dept is gathering info after an event
    - 1. Frequency event
    - 2. Emergency calls and high water rescues
    - 3. EMO would like to be included with this data.
      - a. EMO evaluates how effective was their message. Crafted well? Timed well?
  - ix. Stormwater point of contact during event? If they activate EOC SW would be asked to come it also.
    - 1. Sever weather if bad enough will result in NWS asking for storm spotters.
      - a. Hail
      - b. Wind
      - c. Tornadoes
    - 2. EMO can provide this info to Stormwater. Just need to make EMO staff aware of this during training.
    - 3. If NWS calls, EMO automatically comes in. Perhaps good if someone from stormwater also comes in.
  - x. Could have someone from stormwater on video conference calls with ISDs, hospitals, department notifications, etc.
  - xi. 2004 EOC was activated for flooding around Lake Worth, but that was last time. Maybe 20 homes
  - xii. Fire/Police – may have list of respondents. – Storm Incident Event is a data dump from police and fire.
  - xiii. Austin may stage rescue equipment in Onion Creek in the future. Something Fort Worth may want to consider.
  - xiv. Winter Warning Meeting Next Week with Fire, Police, and Medstar – Perhaps stormwater can team up with first responders to make sure that the info is made available.
  - xv. EMO supports buyouts because it can remove citizens and properties at risk.
5. How can Emergency Management & Stormwater better collaborate together to take advantage of opportunities to meet shared objectives?
- a. Amanda Everly is primary contact for contact database.
  - b. Juan and Keith will be primary EMO contact with Stormwater Master Plan and sharing info.
  - c. Getting most current database of City customers with phone numbers is important to EMO.
  - d. Technology – Need to focus on informing intelligent transportation systems.
6. Benchmarking - Are there benchmarking items that should be included?
- a. Austin and San Angelo would be good benchmark communities.



## MEETING MINUTES

<b>Date:</b>	December 13, 2016	<b>Type of Meeting:</b>	Coordination with Parks
<b>Project:</b>	Stormwater Management Program Master Plan (SWS-080)	<b>Meeting Start Time:</b>	1:00 PM
<b>Location:</b>	City Hall Room 270	<b>Meeting Stop Time:</b>	2:30 PM
<b>Meeting called by:</b>	Jennifer Dyke		

### Minutes

**Attendees** – Joel McElhany, Jennifer Dyke, Greg Simmons, Ben Pylant, Lynn Lovell, Lauren Patterson

**Meeting Goals** – Provide an overview of Stormwater Management Program Master Plan effort and coordinate initiatives with Parks Dept. goals and objectives.

1. Provide an overview of our effort to update the SWMP.
  - a. Discuss Schedule
  - b. Discuss vision statement
2. Discuss Parks Dept. vision, key objectives for the next 10 years. Discuss specific initiatives that could be incorporated.
  - a. Parks dedication policy since 1977. One of the critical parts is taking on drainage ways. Would like to see more than just greenbelts. These are being classified as greenbelt now instead of parks.
  - b. Greenways – flat, open space for soccer fields. Working on greenfield acres. 2.5 acres at downstream such as at Patricia Leblanc
  - c. TPW maintains drainage ways better than parks. Parks typically using herbicide.
  - d. Discuss ways to trade maintenance responsibilities. Parks take the smaller, more frequent mowing.
  - e. Grid off the City and have level of service. 2.5 acres park land for 2,000 people is goal.
    - i. Neighborhood Parks Pocket Parks and Micro
    - ii. Community Based Park (30-500 acres)
      1. Athletic Complexes
    - iii. Special Use – There are initiatives to take these out of the list of parks since they do not provide the traditional park uses
      1. Golf Course
      2. Nature Center
      3. Greenbelts
  - f. Difficult to change a Park Use
    - i. Prefer to keep retention basins as something besides park land for flexibility.
    - ii. Parks Master Plan may add an open space category.
  - g. Top priorities for Parks
    - i. Parks and Open Space
    - ii. Trails
  - h. Maintenance is so important

- i. Parks maintains all medians, Row, and roundabouts
    - ii. Parks has actual costs for ROW maintenance and could share this info to help plan for Total Project Costs more accurately.
  - i. Parks will send layer of parks with buffers and we can see gaps. Could also do it by unit.
    - i. Neighborhood park ¼ mil radius service area.
- 3. How can Stormwater help Parks Dept. do their job better?
- 4. How does Parks Dept. and Stormwater work together currently?
  - a. Are there consistent and intentional coordination opportunities?
  - b. Greenfield Acres is a good example of coordination
  - c. Patricia Leblanc – Best example in southside park - dry retention basin.
  - d. Hulen and Brice is another example
  - e. Dry Ridge Park – detention facility with creek running through it. There may be a phase 2, but there are access issues.
  - f. Working with stormwater for three parks to rodeo, and three others. Collaborating with stormwater on what needs to be done to fix erosion. Right now it has been mostly opportunistic. Would like to be more intentional and plan ways to collaborate better.
  - g. Parks do not like conversions. Very laborious and intensive. Always looking to find ways to justify improvements as part of parks improvements if reasonable which can make CIPs more feasible and avoid parks conversion process.
  - h. Trees can be removed for parks project without mitigation.
- 5. How can Parks Dept. & Stormwater better collaborate together to take advantage of opportunities to improve drainage (if needed in the area) with parks projects?
  - a. Arlington Johnson Creek is an example of shared parks and stormwater project.
  - b. Best proactive planning and coordination would be to review an overlapping map of park needs in developed and greenfield areas.
- 6. Benchmarking - Are there benchmarking items that should be included?
  - a. How does stormwater acquire property in advance of project?
    - i. Tax foreclosed opportunity.
  - b. How has maintenance been handled? Especially in Green Infrastructure
  - c. Joel will check on any other benchmarking by parks.
    - i. Focused on fees and park inventory

## MEETING MINUTES

<b>Date:</b>	December 15, 2016	<b>Type of Meeting:</b>	Coordination with Streets
<b>Project:</b>	Stormwater Management Program Master Plan (SWS-080)	<b>Meeting Start Time:</b>	1:30 PM
<b>Location:</b>	TPW Conference Room 270	<b>Meeting Stop Time:</b>	3:00 PM
<b>Meeting called by:</b>	Jennifer Dyke		

### Minutes

**Attendees** – Jennifer Dyke, Greg Simmons, Najib Fares, Martin Philips, Ben Pylant

**Meeting Goals** – Provide an overview of Stormwater Management Program Master Plan effort and coordinate initiatives with streets goals and objectives.

1. Provide an overview of our effort to update the SWMP.
    - a. Discuss Schedule – provided
    - b. Discuss vision statement - provided
  
  2. Discuss TPW Street vision, key objectives for the next 10 years. Discuss specific initiatives that could be incorporated.
    - a. Planning and Development leads MTP and Complete Streets.
    - b. Streets is the implementation phase
    - c. Getting into PMP and PMI. Staff is starting to get certified
      - i. Changing philosophy on managing projects
      - ii. Developing project charters
        1. Document general scope, stakeholders, project team members, general schedule. Schedule focus is on the following:
          - a. Design
          - b. ROW Acquisition
          - c. Utilities
          - d. Construction
        2. Budget – 30% contingency
        3. Identify potential risks at early planning stage
          - a. SW provide areas of potential high water to help identify potential risk
- 
3. How can Stormwater help TPW Streets do their job better?
- 
4. How does Streets and Stormwater work together currently? Are there consistent and intentional coordination opportunities?
  - a. North Riverside Drive is an example of collaboration – Culvert going under existing roadway. Worked with stormwater to look at channel improvements. Didn't have funding to go all the way downstream. Constructing pilot channel downstream.
    - i. Coordinated with Steve E. and Mary H. on this project

- b. Kimbal is another example of recent coordination
- c. New projects have project team rep from each City department including SW. Project area is focused on ROW to ROW
- d. Some Rehab projects but most projects are reconstruction for entire ROW
  - i. Rehab projects will coordinate with stormwater to determine whether to leave inlets in place or to upgrade them. If no direction is provided by SW, streets will leave the inlets the same size as they were prior to project.
  - ii. Najib arterial, neighborhood, etc. handles all rehab and maintenance.
    - 1. Sends entire project list to stormwater and water for review and coordination
    - 2. If stormwater or water prefers, Najib will adjust schedule to accommodate utility projects and will split 50/50 cost of the street.
    - 3. Not as much participation from stormwater typically as water
    - 4. Water/Streets spend about \$8 million each year in participating costs.
    - 5. If water is a CIP project, they only pay for water line. Streets will pay 100 percent the cost of streets.
  - iii. FNI prioritization will be coordinated with streets. There is a partnership line in CIP but for right now it is focused primarily on benefit to stormwater.
- e. Complete Streets
  - i. Does SW have to replace an existing street as complete street even if it is only a SW project? This is still being determined. Complete streets implementation process is still being established.
  - ii. Departments have a chance to review and provide comments on CIP projects and streets will implement if they can.
  - iii. Utility locations can be a challenge for complete streets depending on whether they are in the street or parkway.
  - iv. Streets is moving towards 6 foot sidewalk if possible and maybe even 10 foot shared lanes at times.
  - v. On street parking is sometimes used. Rosedale and College are examples.
- f. Rehab
  - i. All streets are graded excellent, medium, or poor. Poor streets are prioritized for CIPs. All streets identified as poor are provided to councilmember and they coordinate with citizens to decide which streets become CIPs based on available funds.
- g. Arterials
  - i. Citizens choose the priorities as well.
- h. Pavers and bricks are not desirable because of maintenance. If one brick fails then then the entire street fails.
  - i. East Rosedale has off-street bioswale that just went through final inspection. Martin has recent pictures.
- i. Bioretention needs maintenance – HOA is often responsible for maintenance. HOA is responsible for maintenance on Elizabeth off of 8<sup>th</sup> Ave.
- j. Hemphill workshop citizens talked about Rosedale grasses being too high and blocking visibility. In the future, need to make sure that grasses and landscaping consider function.
- k. Hemphill North Village workshop – Streets had to wait on planning workshop before they could begin project. This is a case where coordination would have helped expedite the project.
- l. Permeable Pavers, etc would need to be identified in Total Project Cost that considers maintenance.



5. How can Streets & Stormwater better collaborate together to take advantage of opportunities to improve drainage (if needed in the area) with street projects?
  - a. Charter – Need stormwater POC for implementation phase
    - i. Total Project Budget Spreadsheet is a great tool for coordination
  - b. Michael Owen is running the 2018 bond program.
    - i. Remaining projects not included in the bond program would go into 5-year CIP
  - c. Comp Plan includes streets projects – SW should review specific streets projects for opportunities to participate.
  - d. Pavement Management System – Database inventory of street conditions. Street pavement inventory. Street inspectors drive the City streets every day and input data to grade streets based on PQI – Pavement Quality Index. The goal is to maintain fair graded streets so they do not become poor. It would be good to have SW involved at the public outreach meetings. SW input on utilities and potential stormwater improvements could help inform ranking of street projects before they go to citizens for their input.
  - e. Biking and shared use paths are becoming more popular
  - f. Roundabouts are starting to gain more momentum.
  - g. Stormwater issues do impact some pavement needs. Cave-ins obviously result in street reconstruction and sometimes there are premature pavement failures as a result of flooding.
  
6. Benchmarking - Are there benchmarking items that should be included?
  - a. Sustainable Public ROWs – Ways that we can do arterials without just pipes.

# INTERNAL STAKEHOLDER ENGAGEMENT

## STORMWATER MANAGEMENT PROGRAM MASTER PLAN



- May 1, 2017 - Stormwater Management Division Staff Engagement



# Stormwater Management Program Master Plan Update

*Status Update & Feedback Meeting*

*April 28, 2017*



# Agenda

- Background
- External stakeholder group collaboration
- Benchmarking overview
- Focused discussion of “big 4” topics
  - Voluntary buyout program
  - Private property erosion policy
  - Local floodplains
  - Development services- infill, cumulative impacts, etc.

# Background

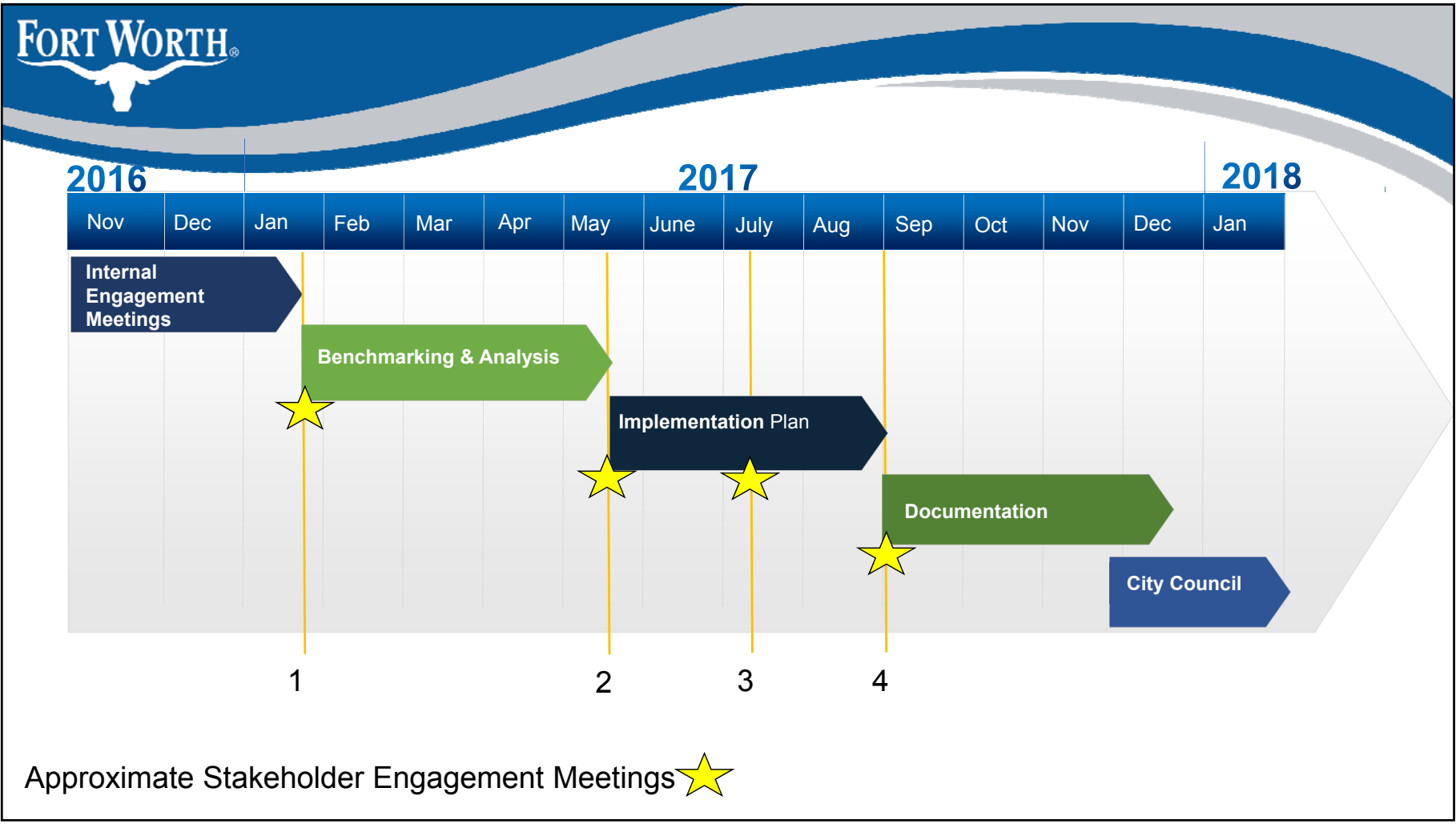




## Why Are We Doing This Update?

- Optimized use of existing resources based on refined strategies, policies and priorities
- Identification and prioritization of unfunded needs
- Characterization of SW Program compared to others
- Living implementation plan for next 10 years

*\*\*Council adopted & stakeholder endorsed program master plan*





## Stakeholder Group

- Monica Hamilton- Mayor's office
- Roxanne Martinez- CD 2
- Gary Havener- CD 3
- Aric Head- CD 4
- Rafael McDonnell- CD 5
- Patrick Clay- CD 6
- Si Rowlett- CD 7
- Howard Rattliff- CD 8
- David Motheral- CD 9
- Art Cavazos- FW ISD
- Rusty Fuller- N. FW Alliance
- La Wayne Hauser- Resident
- Lairy Johnson- Large Commercial/Miller Coors
- Rick Kubes- Resident/Small Commercial
- Lee Nicol- Streams & Valleys
- Joe Schneider- Hillwood Development
- Bill Schur- Resident





# Website

- PPT with audio from stakeholder mtg. 1
- Stakeholder mtg. notes
- FAQs
- Future meeting dates

<http://fortworthtexas.gov/stormwaterMasterPlanUpdate/>

## Stormwater Management Program Master Plan Update

### Purpose and Objectives

This update to the Stormwater Management Program Master Plan will assess the progress and lessons learned from the first 10 years of the program.

Opportunities for efficiencies and improvements will be objectively evaluated to ensure the City of Fort Worth is in line with representative communities. Strategies, priorities, and policies will be refined to optimize the use of resources to best meet the stormwater related needs of the City of Fort Worth community over the next 10 years. This initiative will include significant stakeholder engagement and input with the updated Master Plan ultimately being submitted for adoption by City Council.

### About the Update

**Expected Completion**  
End of 2017

**Goal**  
Update the Stormwater Management Program's Strategic Master Plan to gather feedback, refine policies and optimize resource distribution.

### Calendar

**Stormwater Master Plan Meeting**  
6 p.m. May 16, 2017  
Hazel Harvey Peace Center for Neighborhoods  
818 Missouri Ave, Room 201.  
A public meeting to gather residents' feedback for updating the stormwater strategic master plan.

### Contact

**Jennifer Dyke**  
Senior Planner  
Transportation & Public Works  
817-392-2714

Stormwater Program Spectrum	Annual Cost Per Acre	Annual Budget
"Insufficient"	\$28	\$5 million
City of Fort Worth program before 2006 - Limited improvements; mostly reactive maintenance	\$38	\$7.6 million
"Minimal"	\$60	\$10 million
"Moderate"	\$78	\$15 million
"Aggressive"	\$150	\$30 million
City of Fort Worth - Desired Program - "Aggressive" master planning, inventory, drainage reviews, maintenance; "Moderate" CIP	\$160	\$32 million by year 5
"Exceptional"	\$250	\$50 million

This video is a modified version of the January 2017 stakeholder meeting presentation, which provides an overview of the stormwater program and progress over the past decade.

### Schedule Overview



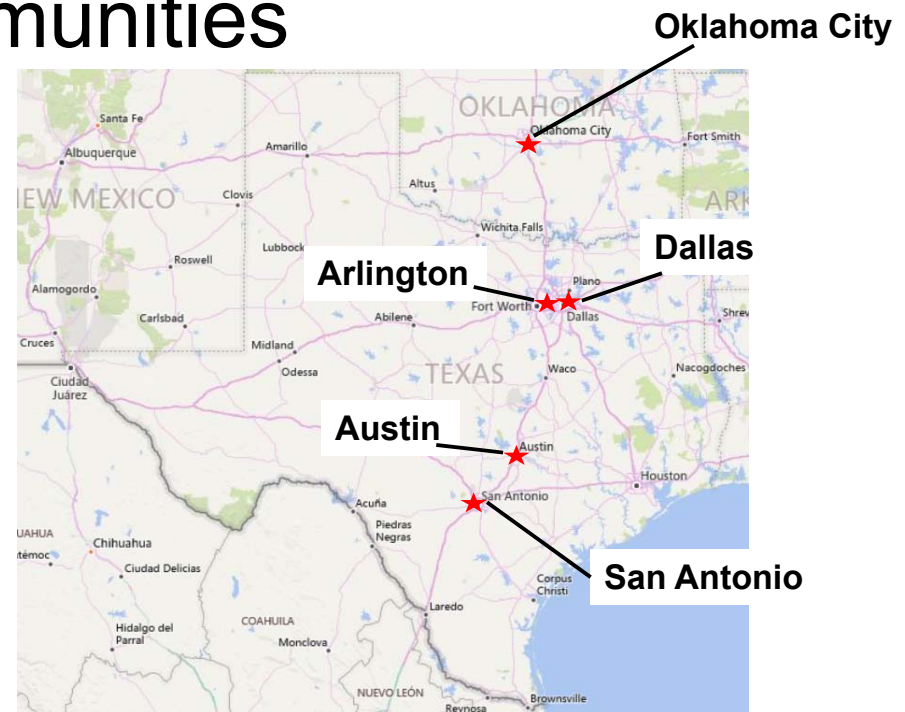
# Benchmarking





## Benchmarked Communities

- Charlotte, NC
- Oklahoma City, OK
- Raleigh, NC





## Benchmarking Top 10 List & “Big 4”

*In no specific order...*

1. **Voluntary Buyout Program**
2. Debt Service obligations
3. Public / Private Partnership Planning
4. Funding for large stormwater capital projects
5. **Private Property Erosion Policy**
6. Water Quality requirements
7. **Local Floodplains**
8. **Development Services – Infill, cumulative impacts, etc.**
9. Development Review Fee
10. Flood Warning



# Today's Feedback



## Objectives for Today

- Update you on the status of the Stormwater Program master planning process
- Share the results and findings to date
- **Get your feedback on major issues**
- **Refine the materials to be shared with the stakeholder group later this month**



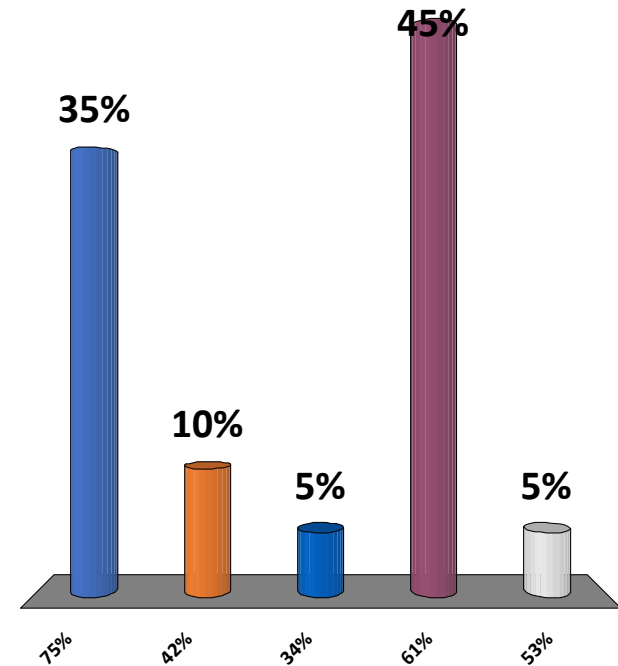
## Why keypad polling?

- Provides feedback from all individuals participating in the session
- Can reflect the discussion at the session
- Is anonymous
- Shows results immediately
- Allows more detailed analysis after the session



# What share of Tarrant County's 2016 population lived in Fort Worth?

- 1. 75%
- 2. 42%
- 3. 34%
- 4. 61%
- 5. 53%

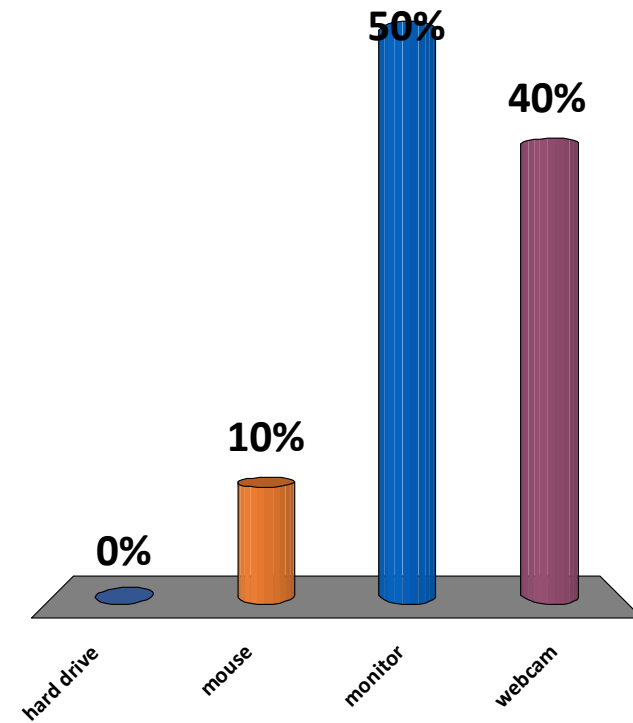






brain : CPU :: eyes :

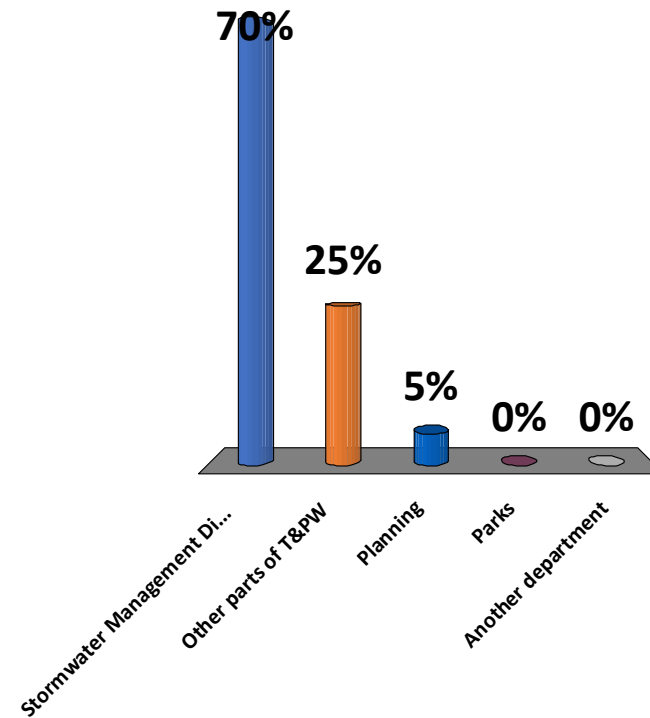
1. hard drive
2. mouse
3. monitor
4. webcam





## My position is in ..

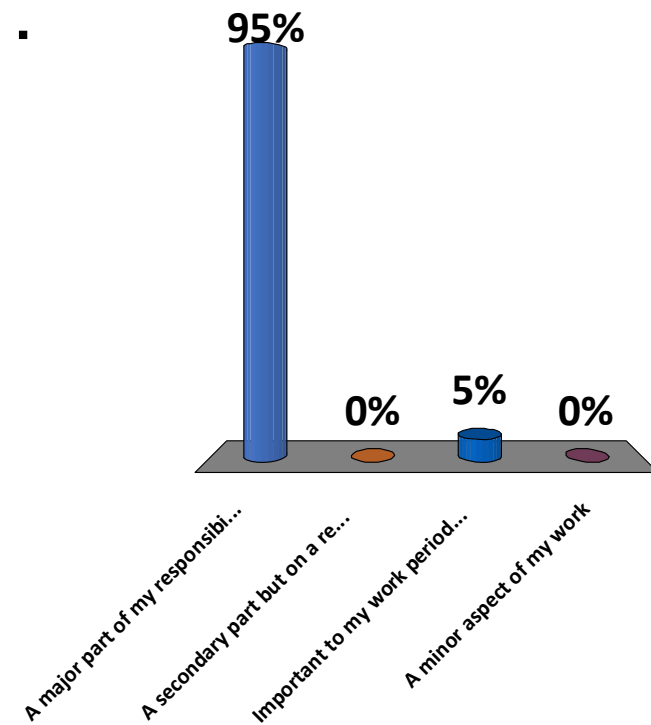
1. Stormwater Management Division
2. Other parts of T&PW
3. Planning
4. Parks
5. Another department





## Stormwater issues are ...

1. A major part of my responsibilities with the City
2. A secondary part but on a regular basis
3. Important to my work periodically
4. A minor aspect of my work





# Topic 1: Voluntary Buyout Program



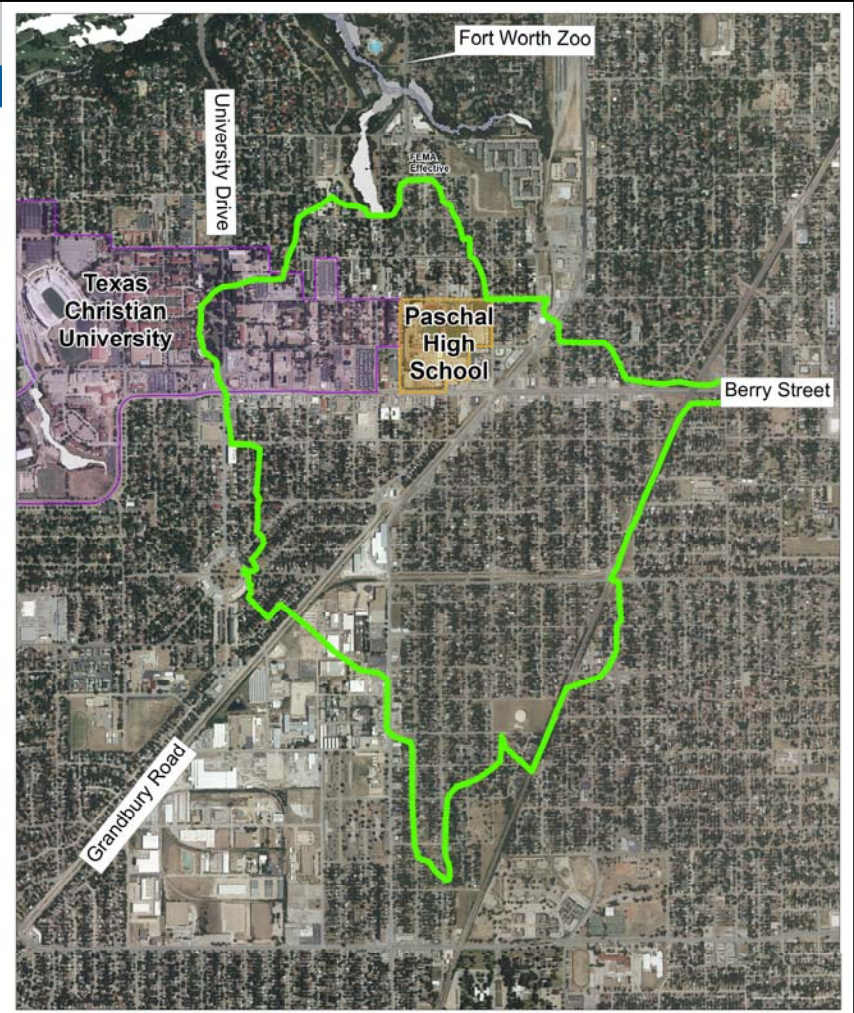
# Voluntary Buyout Program

## Arlington Heights

Capital Construction Alternative	Cost
100-Year Solution	\$50M-\$80M
50-Year Solution	\$40M-\$50M
5-Year Solution	\$25M-\$35M



# Zoo Creek Watershed





# Voluntary Buyout Program

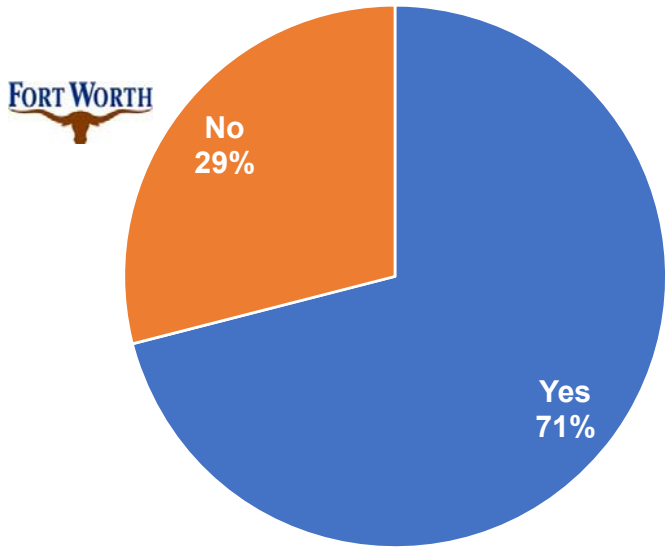
Zoo Creek Watershed – 538 structures at risk of flooding

Capital Construction Alternative	Cost
100-Year Solution	\$65M-\$100M
5-Year Solution	\$20M-\$30M

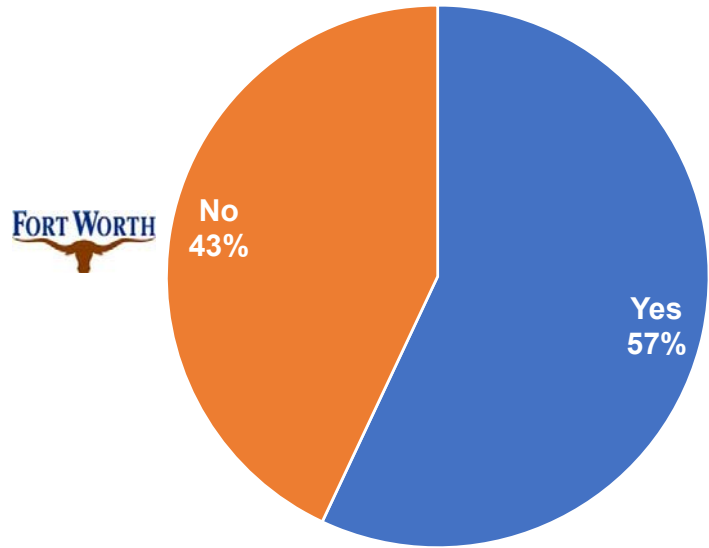


# Voluntary Buyout Benchmarking

Voluntary Buyout Program



Policy for Prioritizing Buyouts







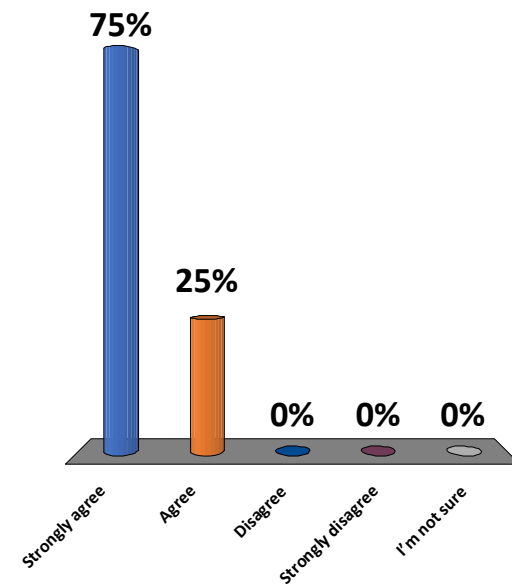
# Informational Questions?

To clarify material in the presentation



Fort Worth should have a voluntary buyout program as part of its stormwater management plan.

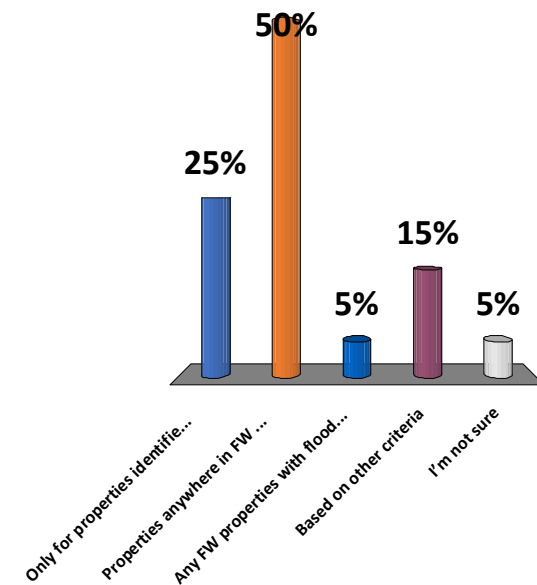
1. Strongly agree
2. Agree
3. Disagree
4. Strongly disagree
5. I'm not sure





## When should properties be considered for voluntary buyout?

1. Only for properties identified by an adopted subarea master plan
2. Properties anywhere in FW with demonstrated frequent flooding
3. Any FW properties with flood risk and adjacent to existing public ownerships
4. Based on other criteria
5. I'm not sure



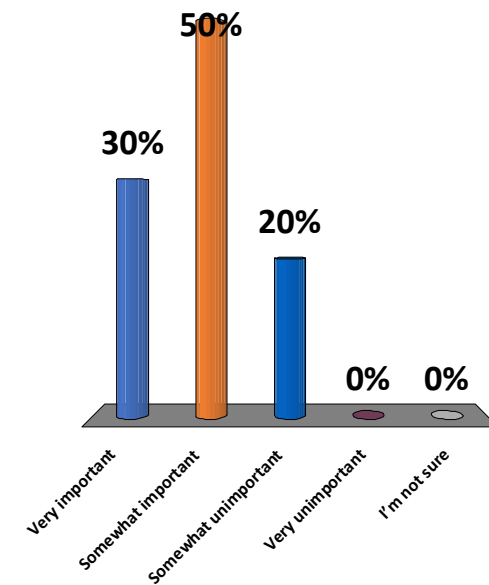


In setting priorities for a voluntary buyout program, how important is each of these issues?



## Impact on neighborhood fabric and integrity.

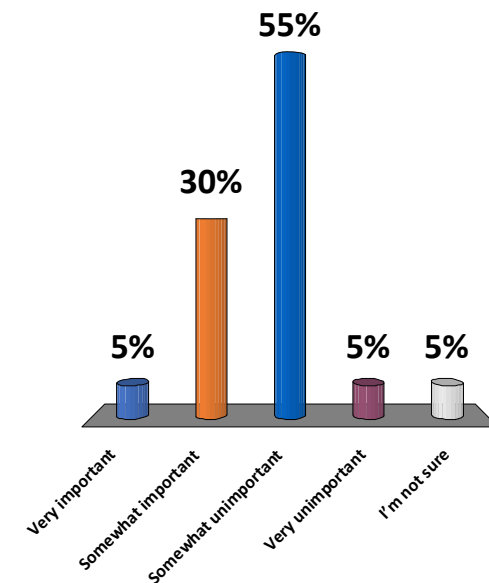
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





## Adjacency to public property (i.e., parks, greenbelts).

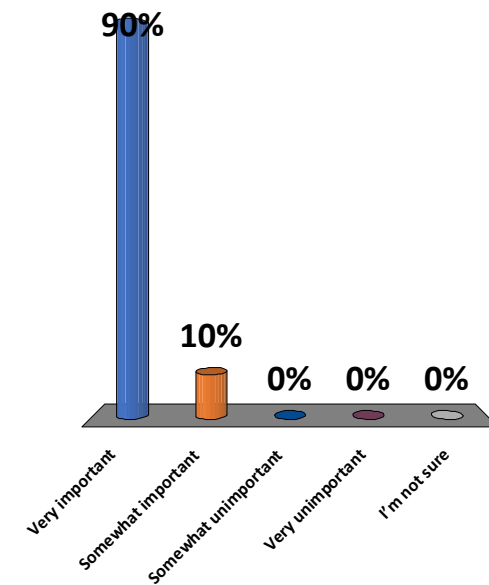
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





## Frequency of the property's past flooding.

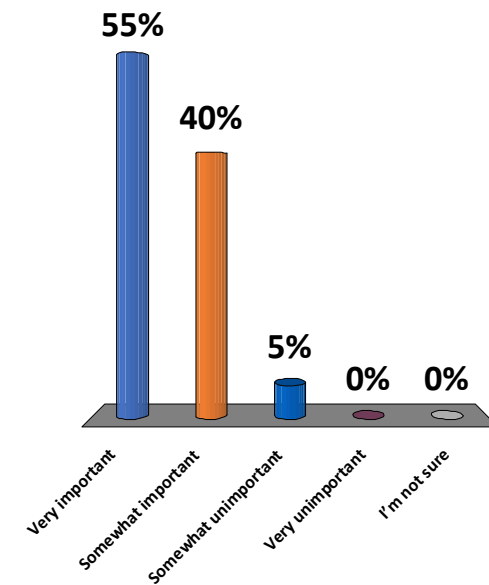
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





## Cost-benefit ratio of buyout vs. stormwater capital project.

1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure

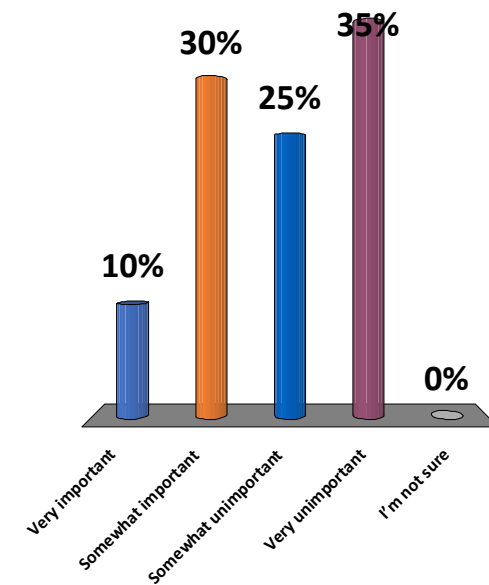






## Value of improvements on the property.

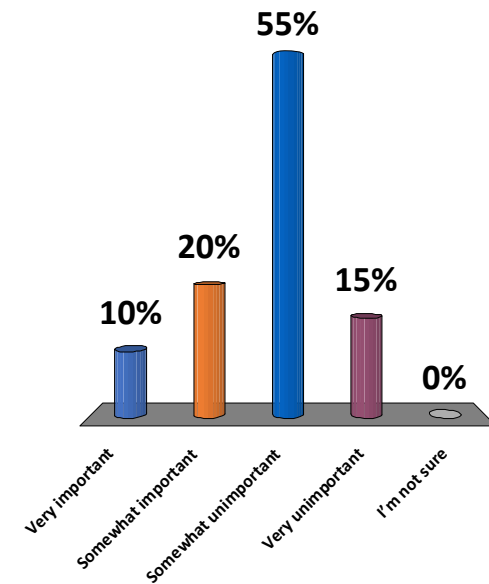
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





## Whether it's a residential or non-residential property.

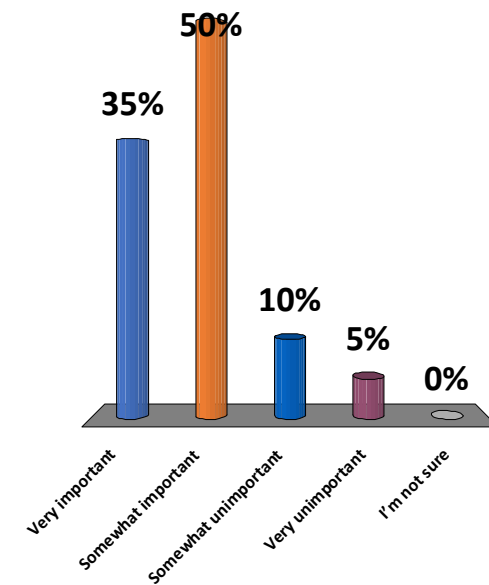
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





## Expected City cost for maintenance if purchased.

1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure



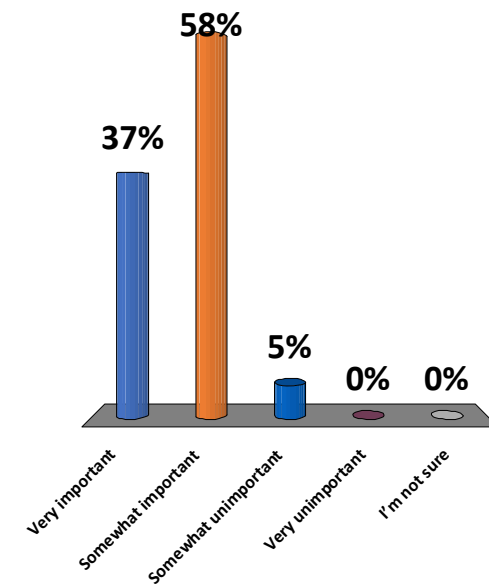


# Feedback & Discussion



## Return on public investment.

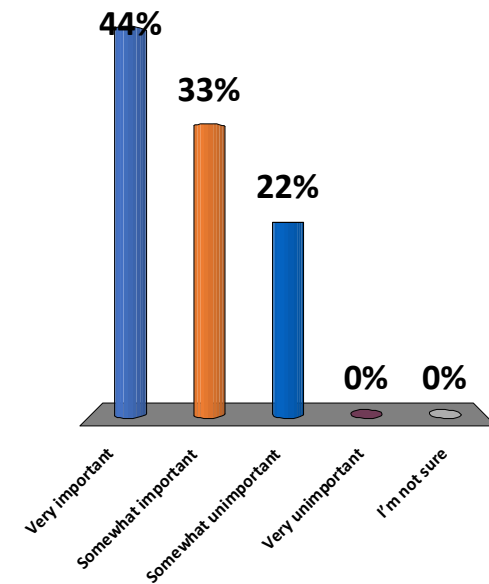
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





## The buyout assists in qualifying for a grant.

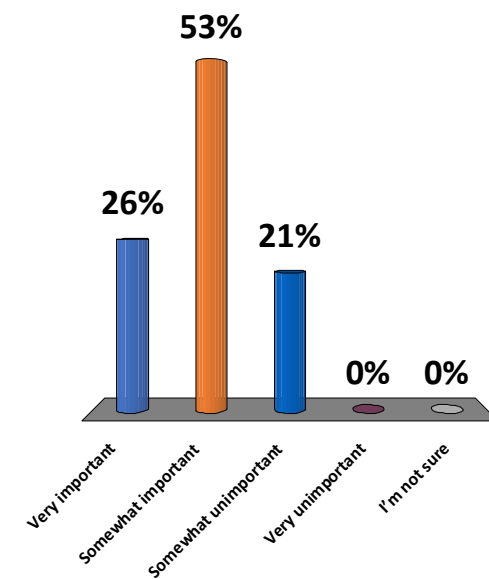
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





## The property is in a targeted area.

1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





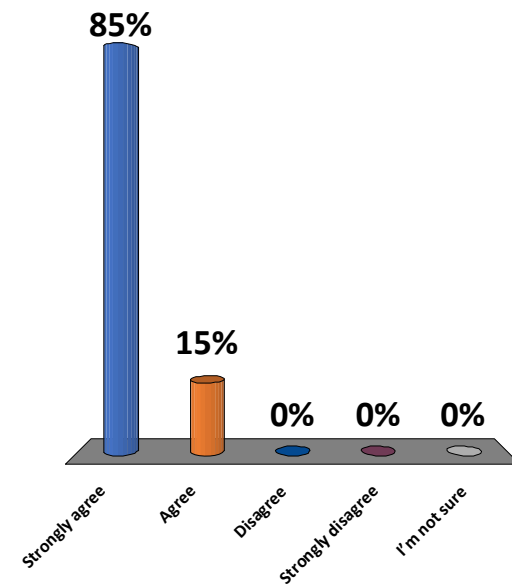
Based on our discussion ...





Fort Worth should have a voluntary buyout program as part of its stormwater management plan.

1. Strongly agree
2. Agree
3. Disagree
4. Strongly disagree
5. I'm not sure





# Topic 2: Private Property Erosion Policy



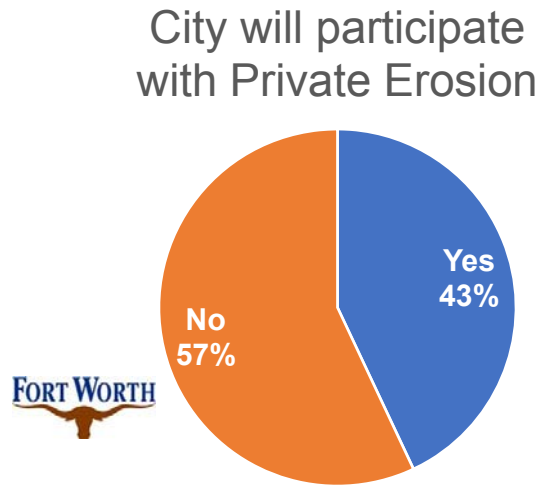
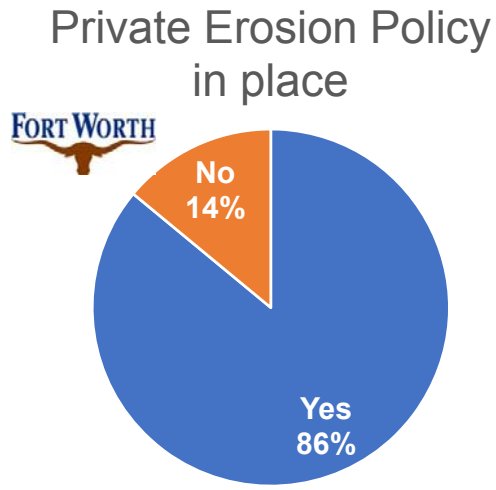
## Private Property Erosion Example

- Residential structure at risk of erosion
- Capital project costs often exceed homeowner resources





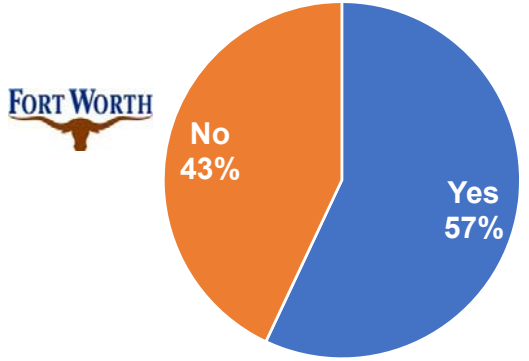
# Private Property Erosion Benchmarking



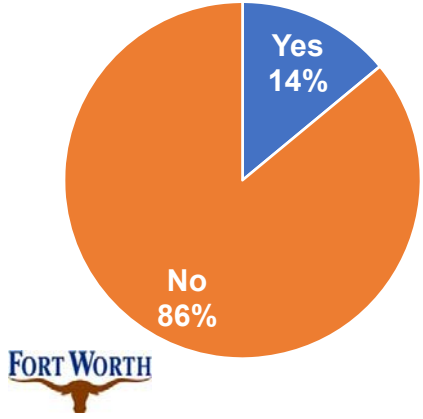


# Private Property Erosion Benchmarking

Participate in Capital Project



Voluntary Buyout for Erosion?





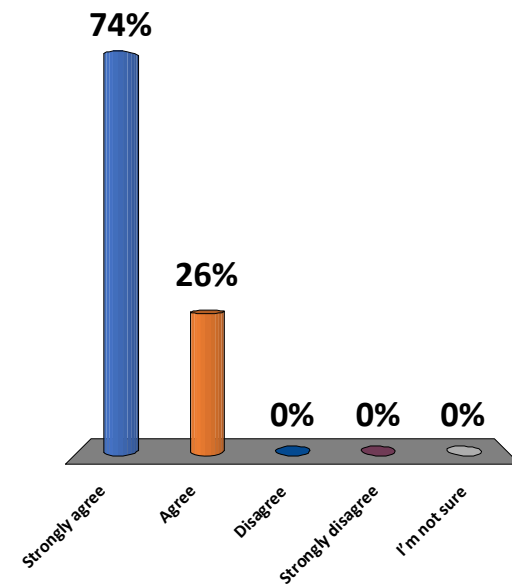
# Informational Questions?

To clarify material in the presentation



Fort Worth should have a standard policy for addressing erosion impacts to private property.

1. Strongly agree
2. Agree
3. Disagree
4. Strongly disagree
5. I'm not sure





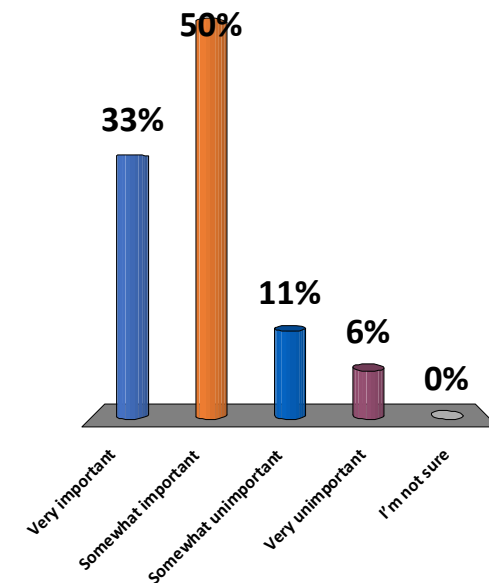
How important is each of these issues to a private property erosion policy?





City capital investment should be considered only when the erosion threatens public infrastructure.

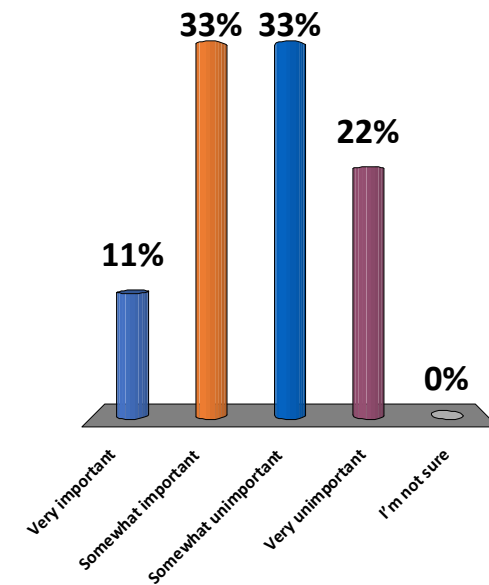
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





City capital investment only when it doesn't result in increases to public maintenance costs.

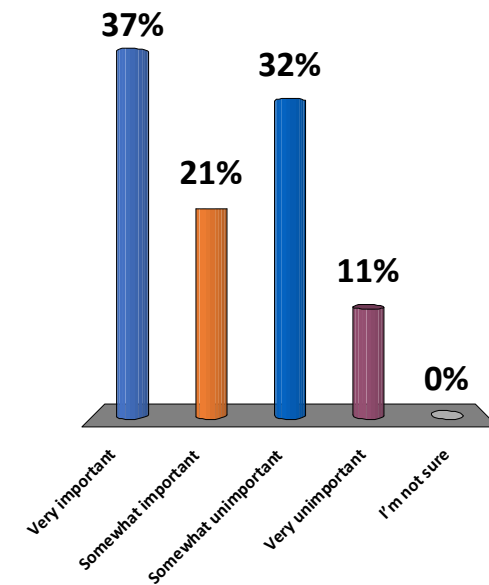
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





## City capital investment should depend on the amount of private cost-sharing match.

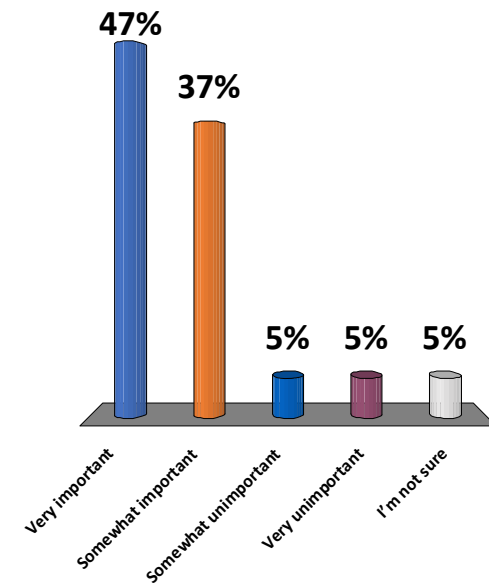
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





These properties should be included in a voluntary buyout program.

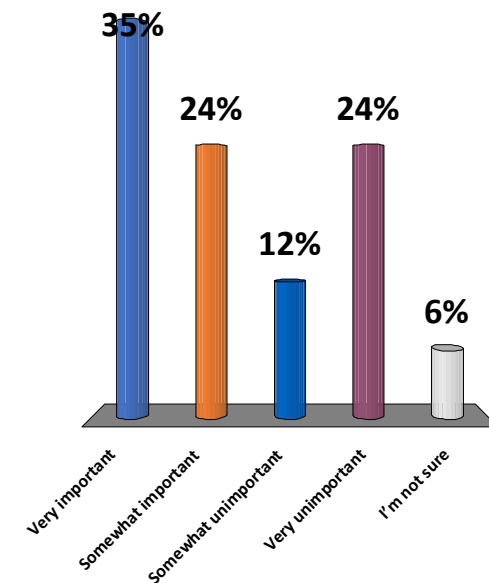
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





These properties should be included in a mandatory buyout program if that's more cost-effective to the City than a capital improvement.

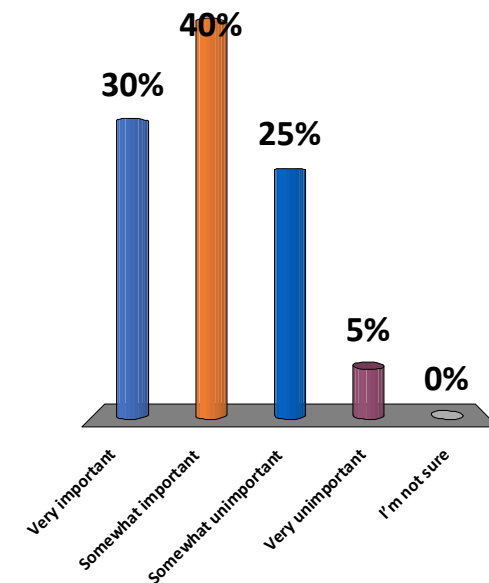
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





City capital investment only when it solves larger areawide (reach or watershed) problems.

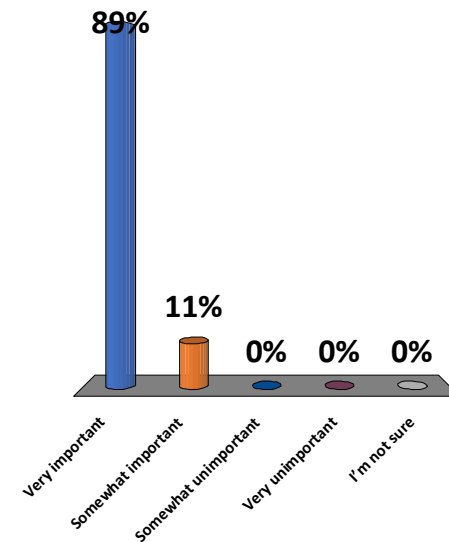
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





If City capital investment has provided erosion protection, the City should limit the intensity of future development of the property to eliminate future erosion issues.

1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





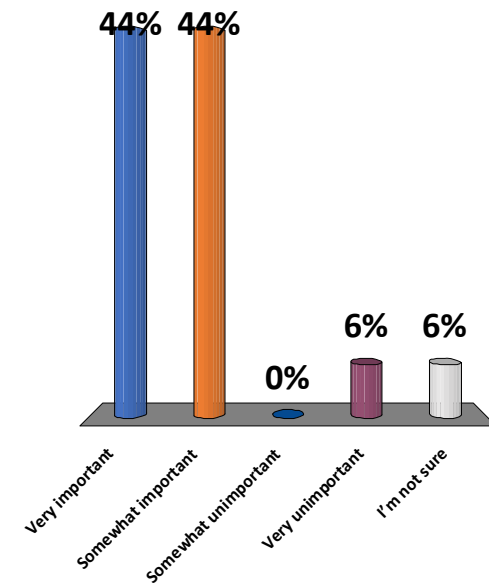
# Feedback & Discussion





These properties should be included in a buyout program if that's more cost-effective to the City than a capital improvement.

1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure



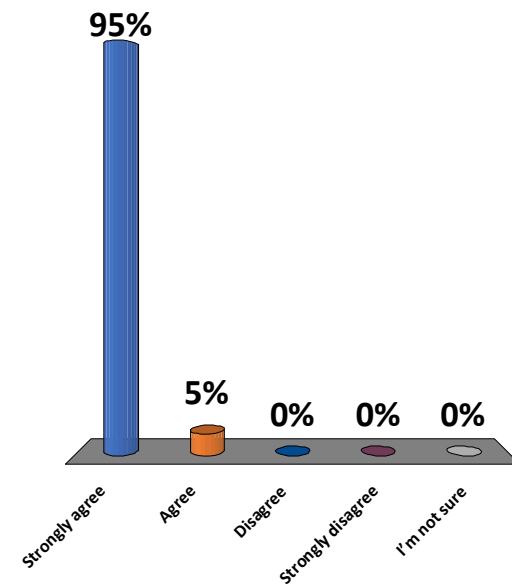


Based on our discussion ...



Fort Worth should have a standard policy for addressing erosion impacts to private property.

1. Strongly agree
2. Agree
3. Disagree
4. Strongly disagree
5. I'm not sure



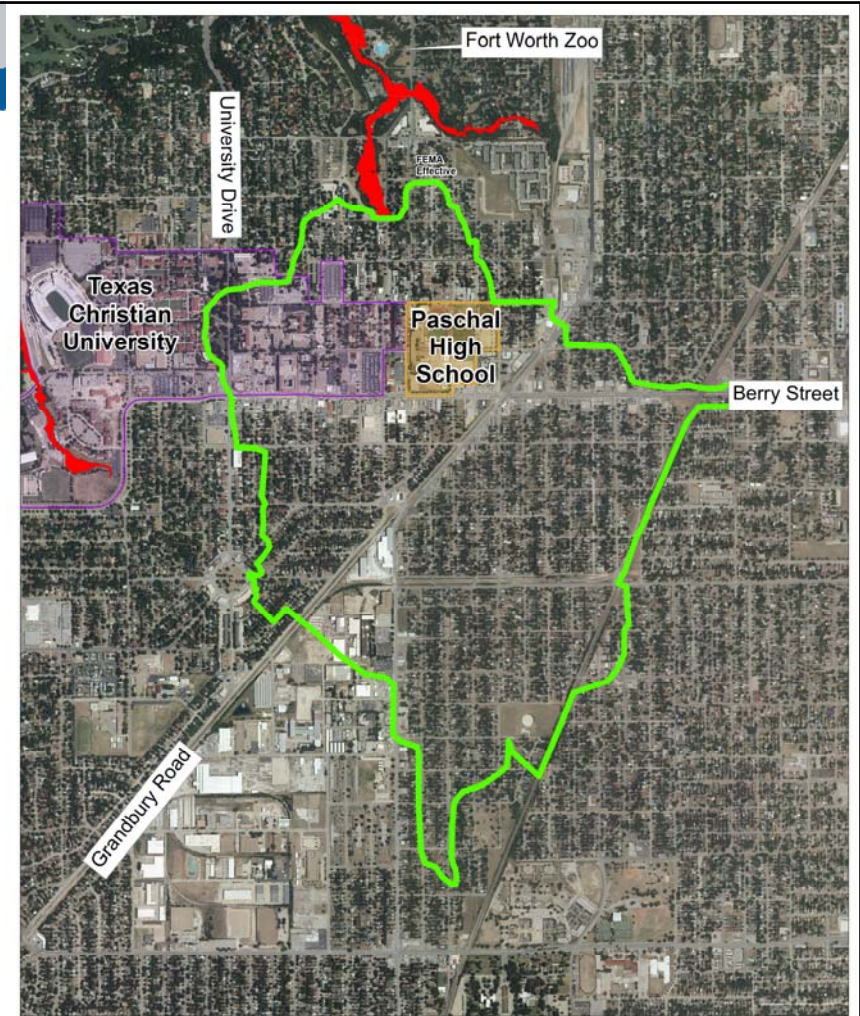


# Topic 3: Local Floodplains



## FEMA Floodplains

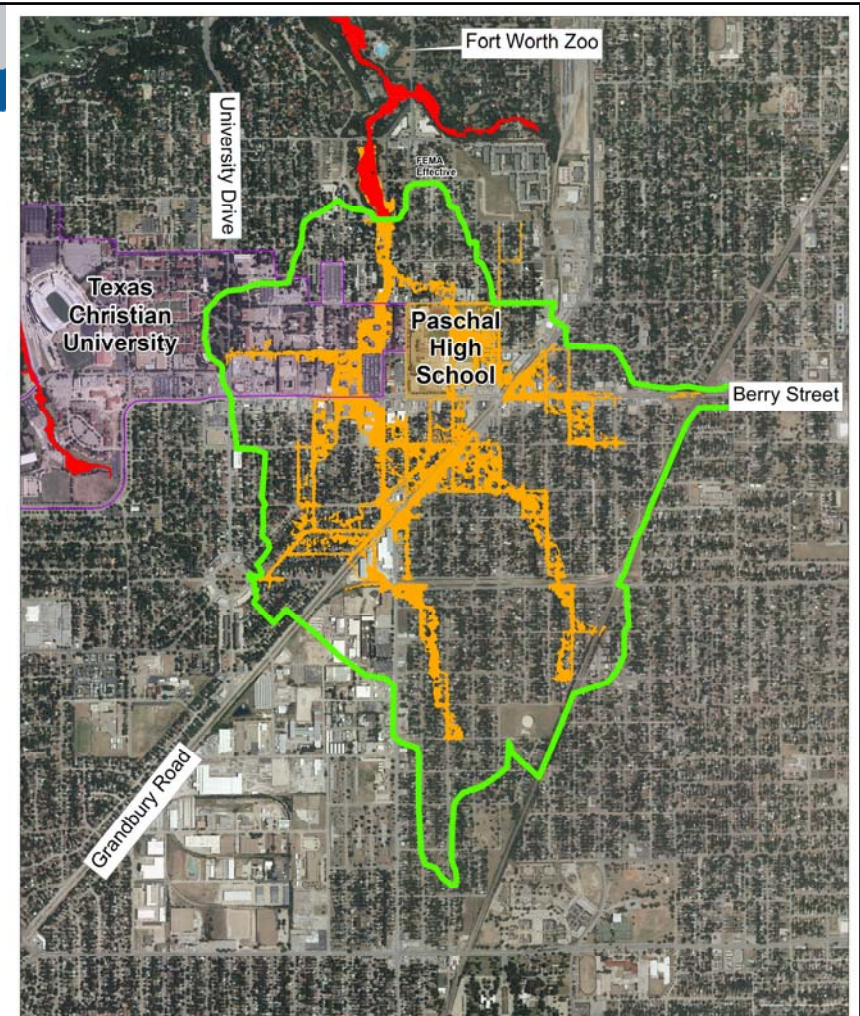
- Red = FEMA Floodplain
- 0 Properties at risk within green boundary





## FEMA Floodplains

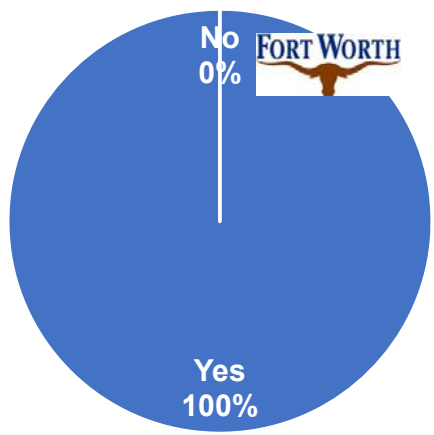
- Orange = Local Floodplain
- 538 Properties at risk within green boundary



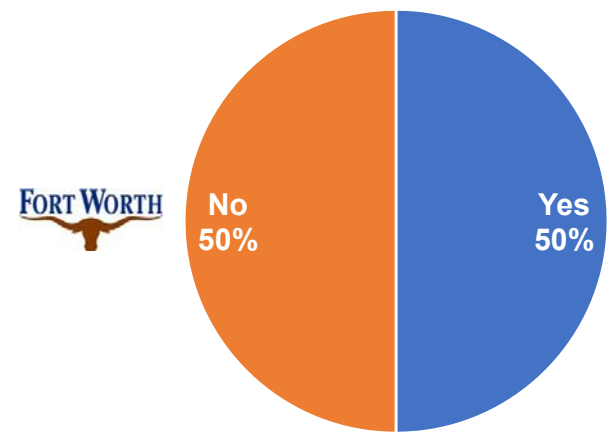


# Local Floodplains

Regulate Local Floodplains



Same regulations as FEMA





# Informational Questions?

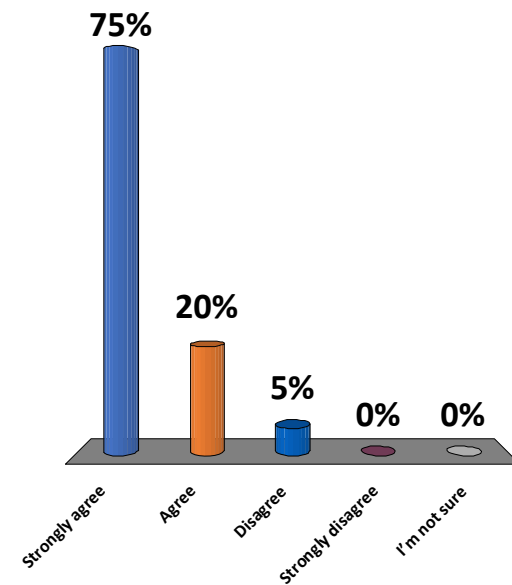
To clarify material in the presentation





Fort Worth should address issues in local floodplains with known flooding risk that are outside FEMA floodplains.

1. Strongly agree
2. Agree
3. Disagree
4. Strongly disagree
5. I'm not sure



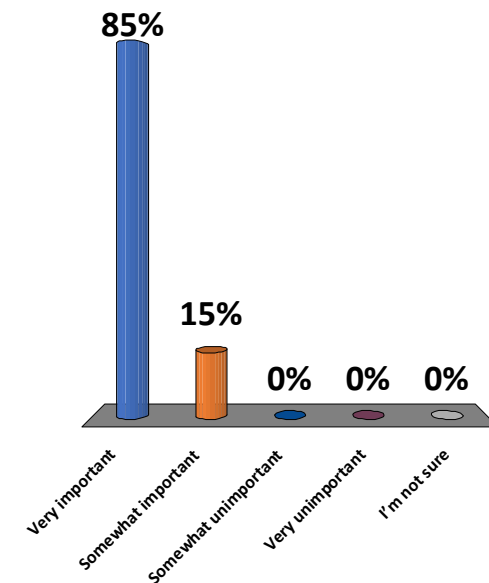


How important are these strategies for addressing local floodplains?



## Providing information about flood risk through public information channels & City programs.

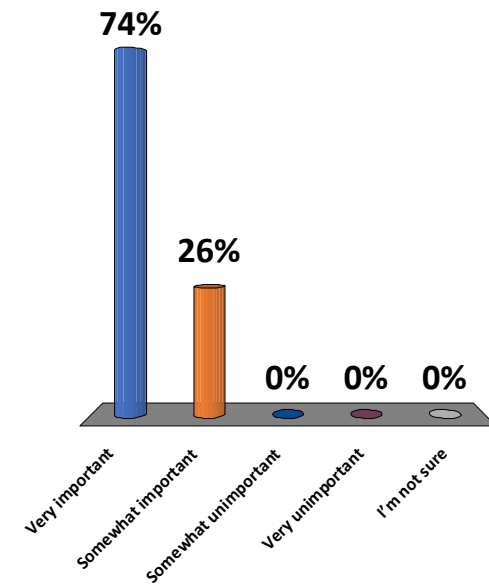
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





## Reflecting these flood risks in City plans and policies, such as the Comprehensive Plan.

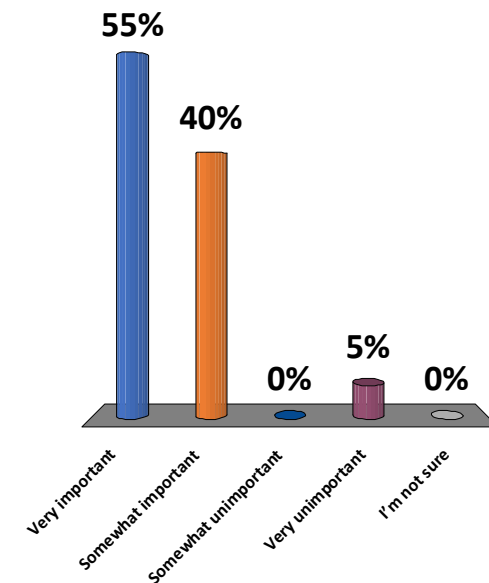
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





Requiring that any development have a finished floor elevation above the 100-year flood elevation.

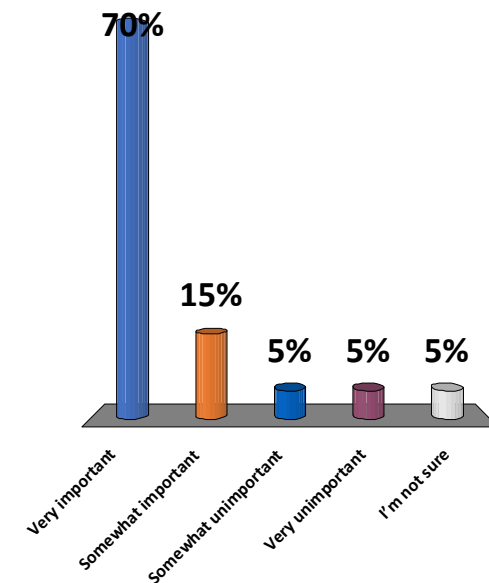
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





Requiring that any rehabilitation, renovation or new construction after a flood maintain finished floor elevations above the 100-year flood elevation.

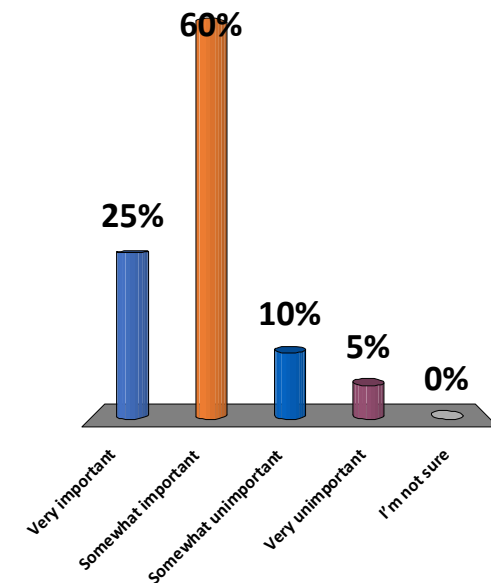
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





## Inclusion of these properties in a voluntary buyout program (if any).

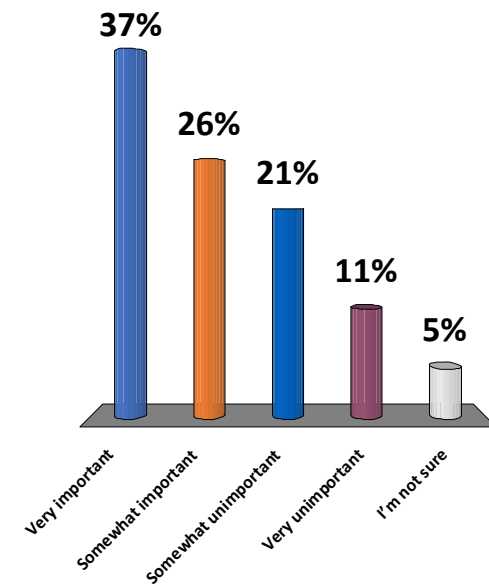
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





## Requiring flood insurance (as for a FEMA floodplain) before the City considers rezoning requests.

1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure

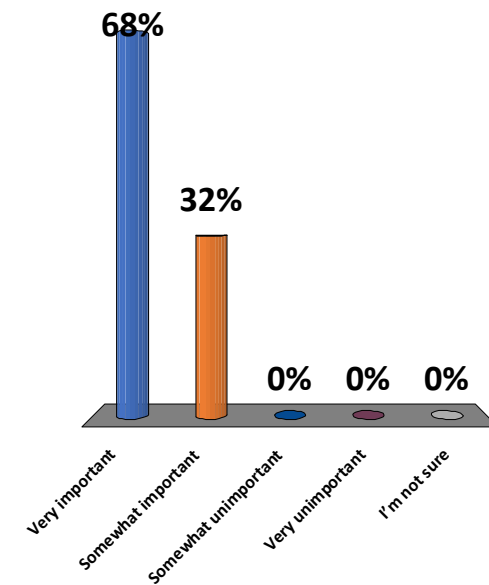






Considering these floodplains in evaluating requests for rezoning, subdivision, special use permits & other development approvals.

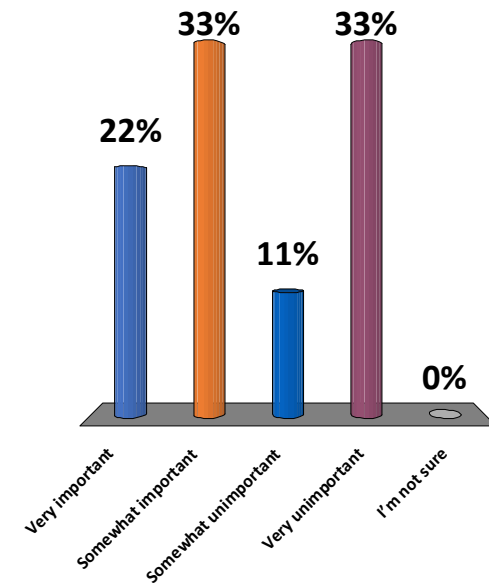
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





## Evaluation of the impact a local floodplain approach would have on property values in affected area.

1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure



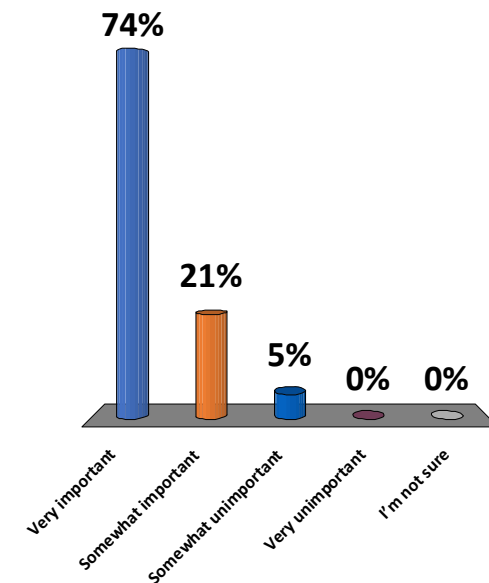


# Feedback & Discussion



Requiring that any new construction after a flood maintain finished floor elevations above the 100-year flood elevation

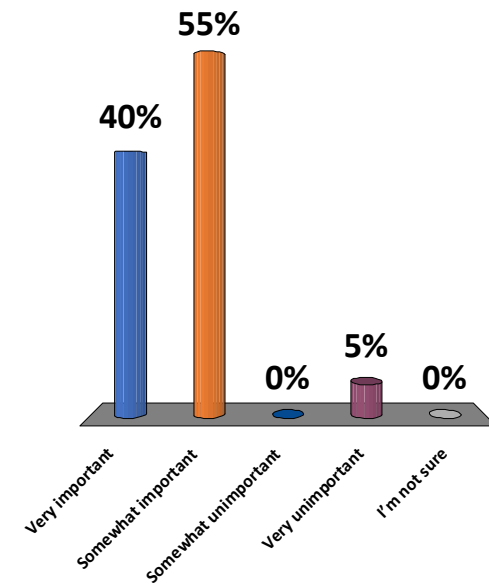
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





# Providing an incentive or bonus to development that contributes to regional stormwater solutions.

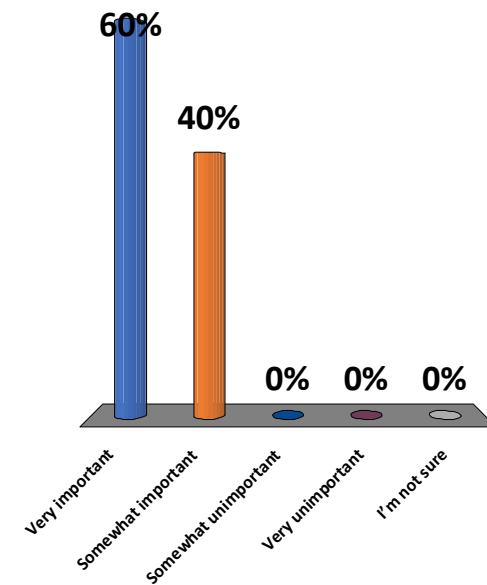
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





## The City showing the local floodplain maps to the public.

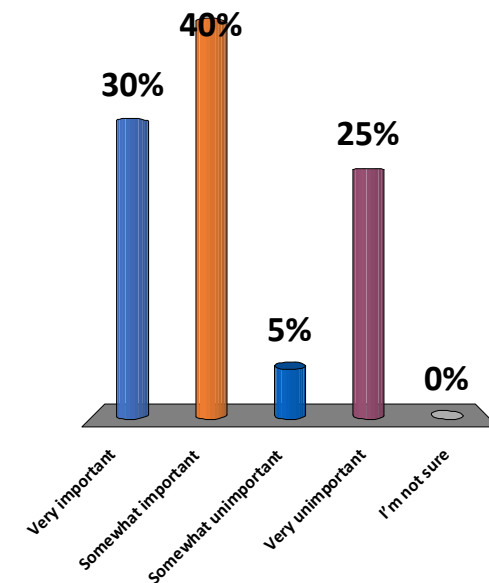
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





Allowing building in 100-year local floodplains outside frequent flooding areas if owners get flood insurance.

1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





Based on our discussion ...

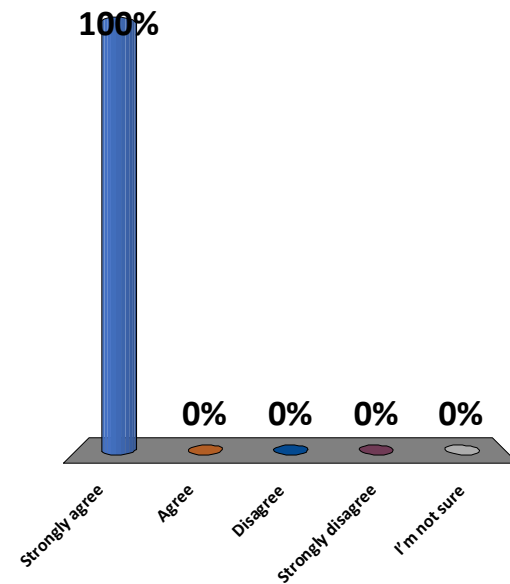




# Fort Worth should address issues in local floodplains with known flooding risk that are outside FEMA floodplains.

- 1. Strongly agree
- 2. Agree
- 3. Disagree
- 4. Strongly disagree
- 5. I'm not sure

This slide doesn't reflect actual polling – we got into other discussions and then went on the Topic 4.





# Topic 4: Development Oversight



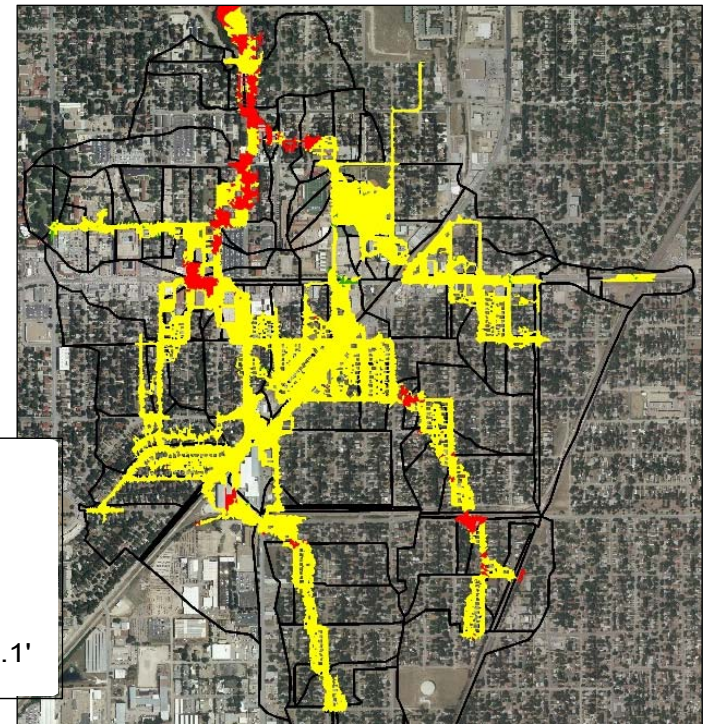
# Development Oversight

## Watershed Imperviousness

- Existing = 56% impervious
- Zoning = 68% impervious
- 12% increased imperviousness not captured in review process
- Red = rise greater than 0.1'

### Legend

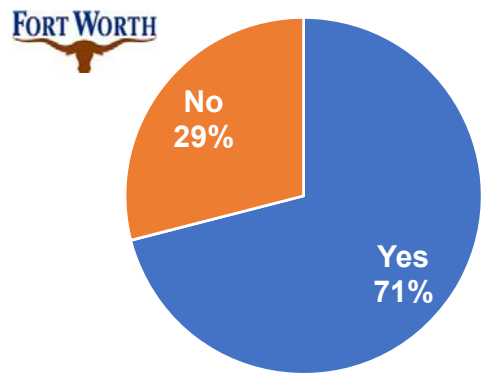
- 0.0' Rise
- Less than 0.1'
- Greater than 0.1'



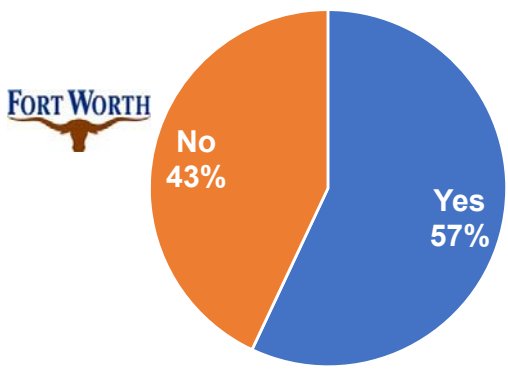


# Development Oversight

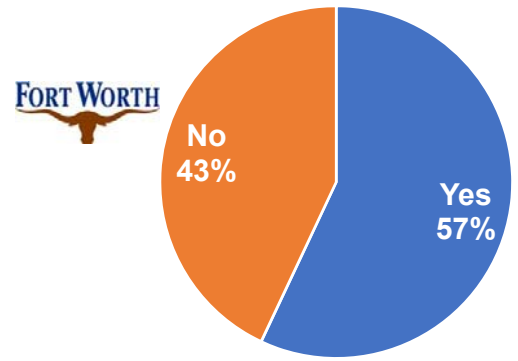
No increase in discharges



Different criteria for greenfield and infill



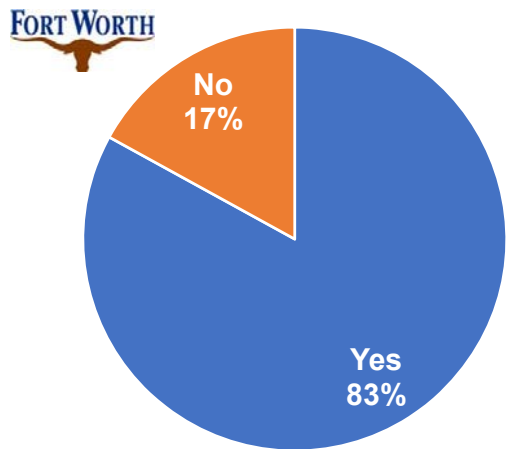
Specific regulations for watersheds with known issues



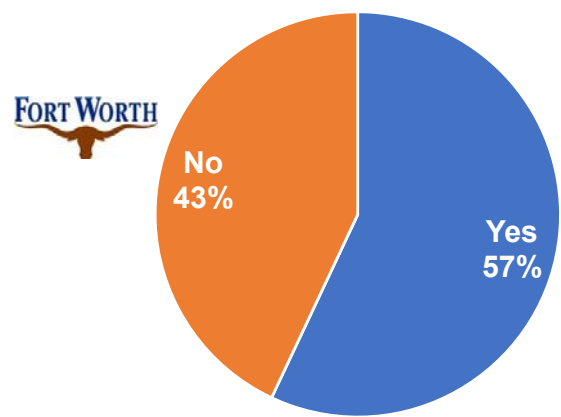


# Development Oversight

Review sites smaller than 1 acre



Small projects and large project reviewed differently





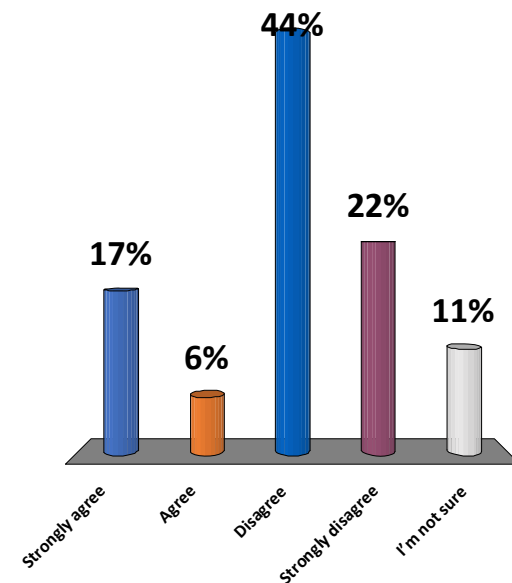
# Informational Questions?

To clarify material in the presentation



Fort Worth should continue its current level of stormwater management oversight during the development review process.

1. Strongly agree
2. Agree
3. Disagree
4. Strongly disagree
5. I'm not sure





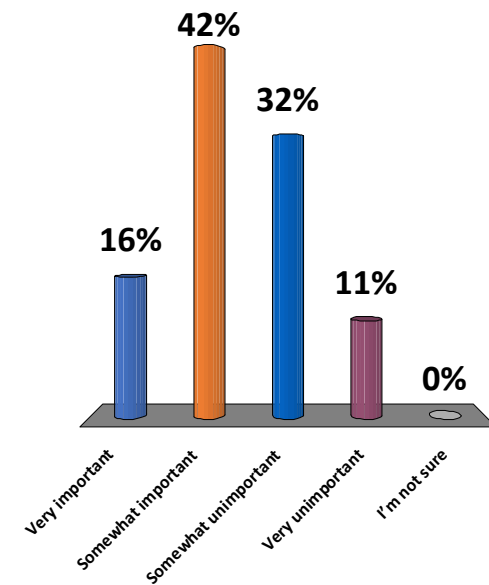
How important are these  
development review issues?





The City should continue to have among the fastest turnaround times for stormwater development review.

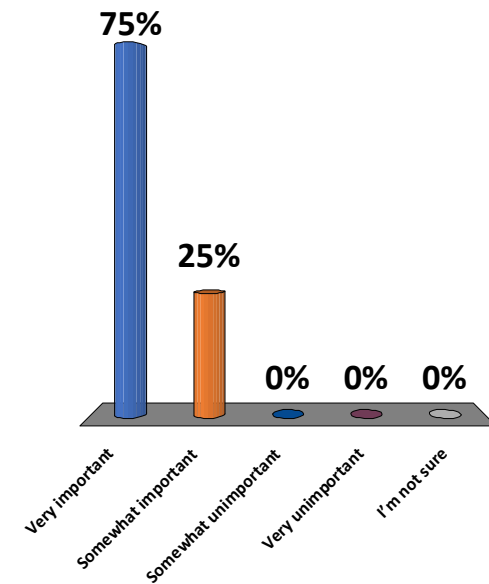
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





The City should review stormwater issues thoroughly even if this takes longer for complex projects.

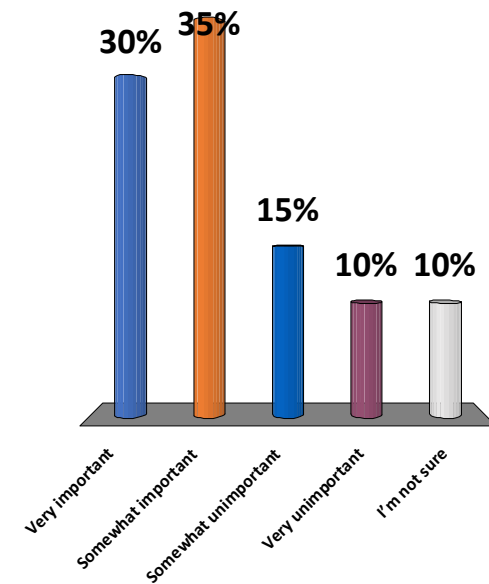
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





The City should review stormwater impacts for development of properties under 1 acre in size.

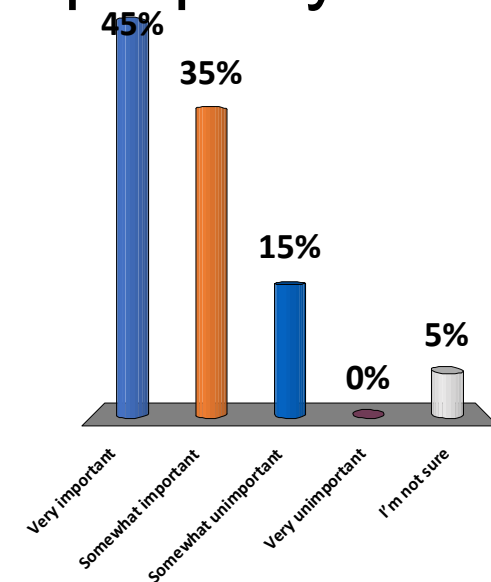
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





The City should review stormwater impacts for projects based on a factor other than property size.

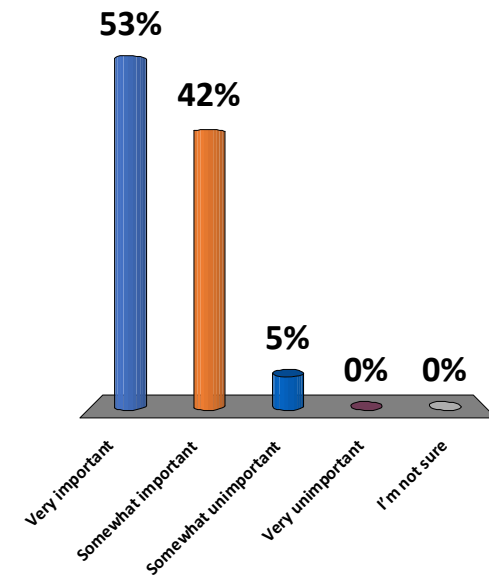
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





The City should review stormwater impacts differently for projects in areas with known flooding problems.

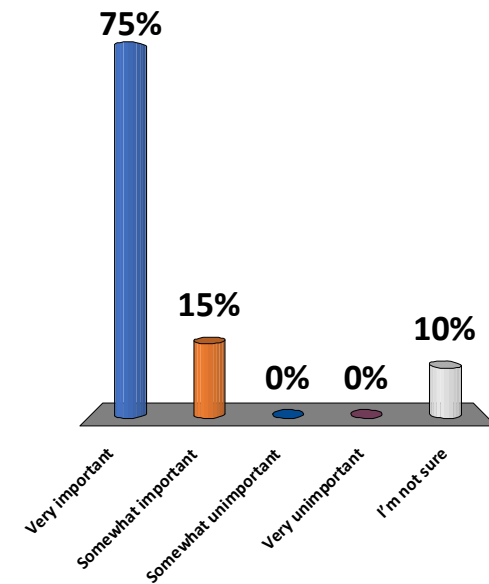
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





Development projects should demonstrate ‘no adverse impact’ on the City’s stormwater systems.

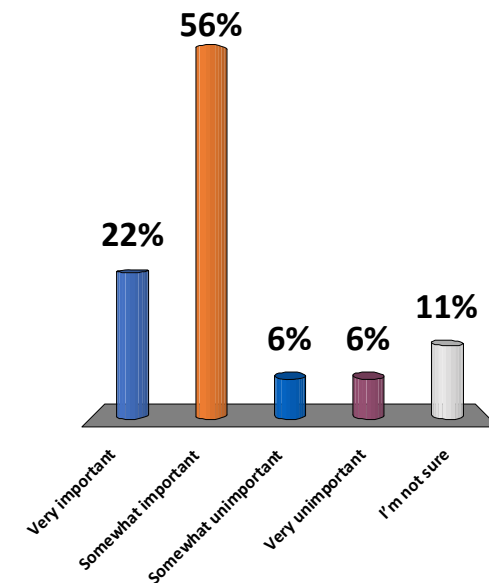
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I’m not sure





Development projects should demonstrate no change to a property's current stormwater impact.

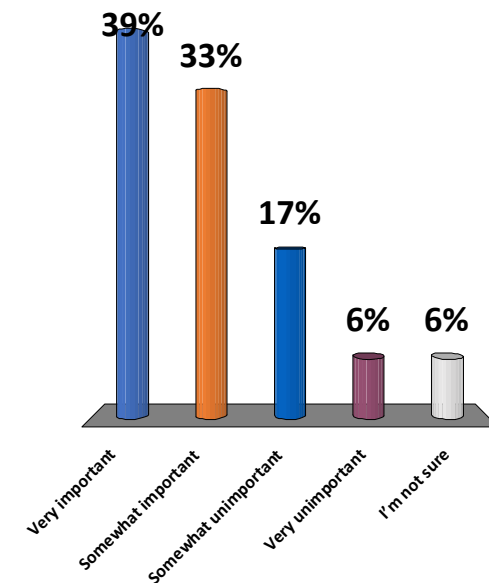
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





A 'fee-in-lieu-of-detention' should be considered for developments that are too small to provide onsite detention, assuming no adverse impact.

1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure

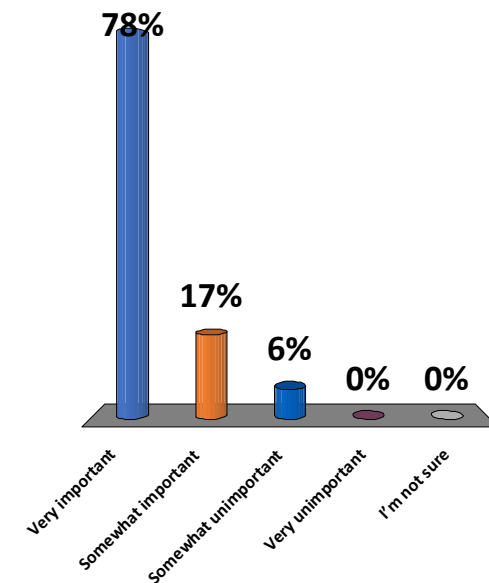






The cumulative stormwater impacts of future development in a watershed should be considered when reviewing new development proposals.

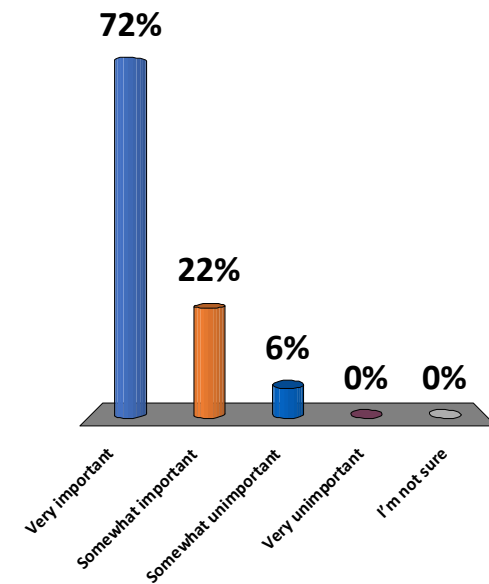
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





Major 'greenfield' developments should include regional stormwater management within the project.

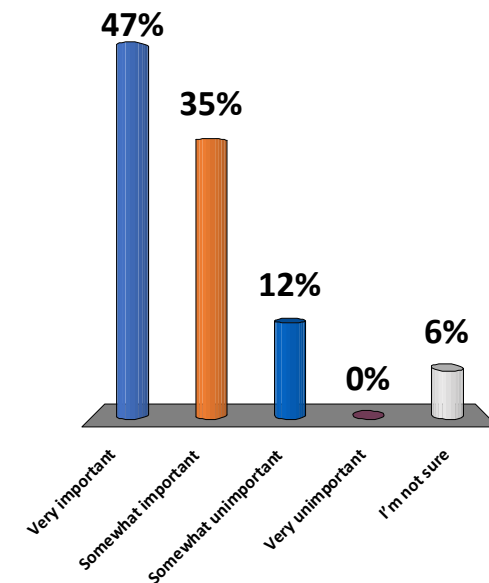
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





Stormwater impacts of infill and redevelopment projects should be balanced against economic development and community revitalization objectives.

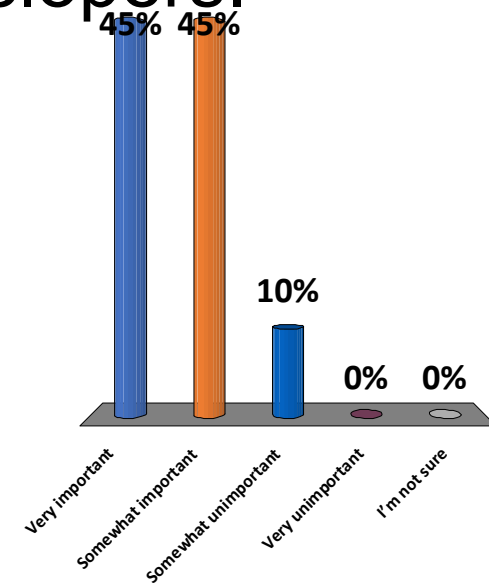
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





# The City should provide a streamlined modeling check-in/check-out process for developers.

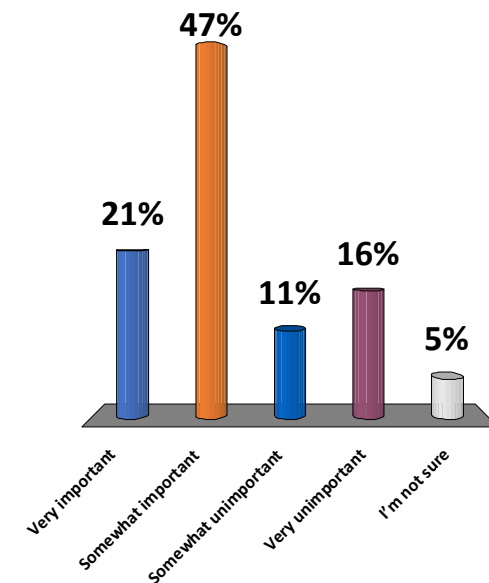
1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





The City should make stormwater modeling a service available for a fee to developers who choose not to do their own evaluation.

1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure



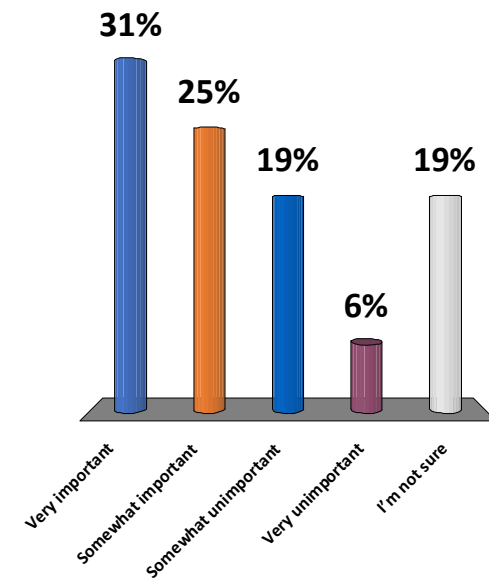


# Feedback & Discussion



The City should offer a service to construct stormwater capital improvements for a fee for small development projects.

1. Very important
2. Somewhat important
3. Somewhat unimportant
4. Very unimportant
5. I'm not sure





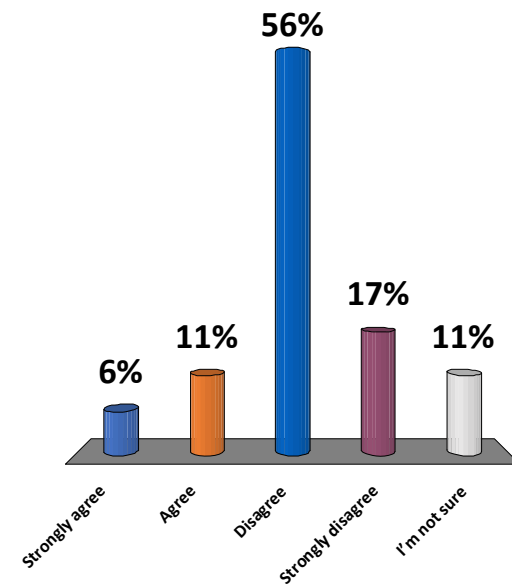
Based on our discussion ...





Fort Worth should continue its current level of stormwater management oversight during the development review process.

1. Strongly agree
2. Agree
3. Disagree
4. Strongly disagree
5. I'm not sure





# Other Topics



## Benchmarking Top 10 List & “Big 4”

*In no specific order...*

1. **Voluntary Buyout Program**
2. Debt Service obligations
3. Public / Private Partnership Planning
4. Funding for large stormwater capital projects
5. **Private Property Erosion Policy**
6. Water Quality requirements
7. **Local Floodplains**
8. **Development Services – Infill, cumulative impacts, etc.**
9. Development Review Fee
10. Flood Warning



## Next Steps

- Stakeholder group meeting May 16<sup>th</sup>
- Drafting of plan update
- Development of implementation recommendations

Thank you for your input and participation!



# **INTERNAL STAKEHOLDER ENGAGEMENT**

## **STORMWATER MANAGEMENT PROGRAM MASTER PLAN**



- September 12, 2017 – Infrastructure and Transportation Committee



## INFRASTRUCTURE AND TRANSPORTATION COMMITTEE

Tuesday, September 12, 2017

2:00 pm

City Council Conference Room, City Hall, Room 290

200 Texas Street

Fort Worth, Texas 76102

### Committee Members

Council Member Jungus Jordan, Chair  
Council Member Ann Zadeh, Vice Chair

Council Member Carlos Flores  
Council Member Bryan Byrd

### City Staff

Jay Chapa, Staff Liaison  
Leann Guzman, Sr. Assistant City Attorney  
Leticia Azocar, Coordinator

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#### I. CALL TO ORDER

#### II. ACTION ITEMS

- A. Approval of June 13, 2017 meeting minutes

#### III. BRIEFINGS

A. **Briefing on Stormwater Master Plan**

Greg Simmons, Assistant Director, Transportation & Public Works Department  
Jennifer Dyke, Sr. Planner, Transportation & Public Works Department

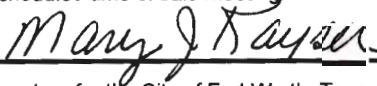
#### IV. FUTURE AGENDA ITEMS

#### V. ADJOURN

**Please Note:** Additional members of the Fort Worth City Council may be attending the meeting for information-gathering purposes. Any members of the Council who are not on the Board will not be deliberating or voting on any Board agenda items.

*City Hall and the City Council Conference Room are wheelchair accessible. Persons with disabilities who plan to attend this meeting and who may need accommodations, auxiliary aids, or services such as interpreters, readers, or large print are requested to contact the City's ADA Coordinator at (817) 392-8552 or e-mail [ADA@FortWorthTexas.gov](mailto:ADA@FortWorthTexas.gov) at least 48 hours prior to the meeting so that appropriate arrangements can be made. If the City does not receive notification at least 48 hours prior to the meeting, the City will make a reasonable attempt to provide the necessary accommodations.*

I, the undersigned authority do hereby certify that this Notice of Meeting was posted on the City of Fort Worth official website and official bulletin board, places convenient and readily accessible to the general public at all times and said Notice was posted on the following date and time **Friday, September 08, 2017 at 6:45 p.m.** and remained so posted continuously for at least 72 hours preceding the scheduled time of said meeting.

  
City Secretary for the City of Fort Worth, Texas

# **APPENDIX INTERNAL STAKEHOLDER ENGAGEMENT**

## **STORMWATER MANAGEMENT PROGRAM MASTER PLAN**



- September 27, 2017 – City Plan Commission



I, the undersigned authority do hereby certify that this Notice of Meeting was posted on the City of Fort Worth official website and official bulletin board, places convenient and readily accessible to the general public at all times and said Notice was posted on the following date and time **Thursday, September 21, 2017 at 5:00 p.m.** and remained so posted continuously for at least 72 hours preceding the scheduled time of said meeting.

*Mary J. Kayser*



**CITY PLAN COMMISSION**

**REVISED SEPTEMBER AGENDA**

**Wednesday, September 27, 2017**

**Work Session 11:30 A.M.**

**City Council Conference Room 290**

**Public Hearing 1:30 PM**

**City Council Chambers**

**200 Texas St.**

**2<sup>nd</sup> Floor – City Hall**

**Fort Worth, Texas 76102**

**For More Docket Information Visit**

<http://fortworthtexas.gov/planninganddevelopment/platting/>

**Commissioners:**

Vicky Schoch, CD 1	_____	Stephanie Spann, CD 6	_____
Jennifer Trevino, CD 2	_____	Edward Deegan, CD 7	_____
Vacant, CD 3	_____	Don Boren, Chair CD 8	_____
Mark Brast, CD 4	_____	Mike Brennan, Vice Chair CD 9	_____
Robert Horton, CD 5	_____	Bob Kelly, Alternate	_____

**I. WORK SESSION:                      11:30 A.M.                      City Council Conference Room 290**

- |  |               |
|--|---------------|
| A. Correspondence & Comments             | Staff & Chair |
| B. Lunch                                 |               |
| C. Review of Cases on Today's Agenda     | Staff         |
| D. Stormwater Program Master Plan Update | Staff         |

**II. PUBLIC HEARING:                      1:30 P.M.                      Council Chambers**

- A. Approval of Previous Month's Minutes
- B. Approval of Previously Recorded Final Plats

C. Consent Cases (2)

1. **PP-17-044 Walsh Ranch, Quail Valley: 25 Single-Family Detached Lots and 3 Private Open Space Lots. Council District 7.**

- a. Being a replat of Lot 5 POS, Block H; Lot 1 POS, Block S; and Lot 7 POS, Block V, Walsh Ranch, Quail Valley, an addition to the City of Fort Worth, Parker County, Texas as recorded in Cab D Page 774, PRPCT.
- b. General Location: West of Walsh Ranch Parkway and south of Mary's Ridge Road.
- c. Applicant: Quail Valley Devco I, LLC.
- d. Applicant Requests: Approval of the preliminary plat.
- e. DRC Recommends: Approval of the preliminary plat which is in compliance with the Subdivision Ordinance.

2. **PP-17-033 Speedway Distribution Center 2 Non-Residential Lots and 1 Private Street Lot: Council District 7.**

- a. Being 10.3065 acres of land located in the James Smith Survey, Abstract Number 1149, City of Fort Worth, Denton County, Texas.
- b. General Location: Northeast corner of SH 114 and Double Eagle Boulevard.
- c. Applicant: IDI Services Group, LLC Lincoln Center II and Speedway Distribution Center Owners Association Inc.
- d. Applicant Requests: Approval of the preliminary plat.
- e. DRC Recommends: Approval of the preliminary plat which is in compliance with the Subdivision Ordinance.

D. Continued Case (1)

3. **VA-17-029**      **Alley in Block 3, Burch Hill Addition. Council District 8.**

- a. Being an alley in Block 3, Burch Hill Addition, between US Hwy 287 and Binkley Street, as recorded in Volume 204-A, Page 144, PRTCT.
- b. General Location: North of Berry Street, south of Burton Avenue, east of Binkley Street and west of US Highway 287.
- c. Applicant: Renaissance Square, LLC.
- d. Applicant Requests: Approval of a recommendation to City Council.
- e. DRC Recommends: Approval of the recommendation to City Council for the vacation of an alley in Block 3, Burch Hill Addition.

E. New Cases (22)

4. **FS-17-171**      **Lot 1R2, Block 11, Greenfield Acres: Council District 2.**

- a. Being a replat of a portion of Lot 1, Block 11, Greenfield Acres, an addition to the City of Fort Worth, Tarrant County, Texas, as recorded in Volume 388-23, Page 87, PRTCT.
- b. Location: 6125 Ten Mile Bridge Road.
- c. Applicant: Jorge A. and Rocio Marquez.
- d. Applicant Requests: Approval of the increase in lot yield.
- e. DRC Recommends: Approval of the increase in lot yield which is in compliance with the Subdivision Ordinance.

5. **FS-17-177**      **Lot 7R, Block 3, J. N. Brookers Subdivision of Block 11 Fields Welch Addition: Council District 9.**

- a. Being a replat of Lot 7, Block 2, J. N. Brookers Subdivision of Block 11 Fields Welch Addition as recorded in Volume 204, Page 38, PRTCT and a portion of Lot 8R, Block 2, J. N. Brookers Subdivision of Block 11 Fields Welch Addition as recorded in Volume 388-136, Page 3, PRTCT.
- b. Location: 1199 and 1129 8<sup>th</sup> Avenue.
- c. Applicant: Funkytown Development, LLC.
- d. Applicant Requests: Approval of a Subdivision Ordinance waiver.
- e. DRC Recommends: Approval of the requested Subdivision Ordinance waiver to the requirement to dedicate an additional six feet of right-of-way for the alley.

6. **FS-17-187**      **Lot 8R, Block 17, Bella Flora: ETJ – Tarrant County.**
  - a. Being a replat of Lots 8 and 14, Block 17, Bella Flora, an addition to Tarrant County, Texas, as recorded in D213294652, PRTCT.
  - b. Location: 12717 Vino Drive and 12716 Roma Drive.
  - c. Applicant: Gregory L. Garcia.
  - d. Applicant Requests: Approval of a Subdivision Ordinance waiver.
  - e. DRC Recommends: Approval of the requested Subdivision Ordinance waiver to allow one double frontage lot.
  
7. **FS-17-189**      **Lots 15RA1A, 15RA1B and 15RA1C, Block 27, Lake Worth Leases: Council District 7.**
  - a. Being a replat of Lot 15RA1, Block 27, Lake Worth Leases, an addition to the City of Fort Worth, Tarrant County, Texas, as recorded in D216060502, PRTCT.
  - b. Location: 9432 Heron Drive.
  - c. Applicant: Peggy Purdon and Larry Frazier.
  - d. Applicant Requests: Approval of the increase in lot yield.
  - e. DRC Recommends: Approval of the increase in lot yield which is in compliance with the Subdivision Ordinance.
  
8. **FS-17-190**      **Lot 1R1, Block 4, TCU Addition (Waiver Request): Council District 9.**
  - a. Being a replat of Lot 1, Block 3, TCU Addition as recorded in Cabinet A, Slide 4481 PRTCT, Lot 1, Block 5, TCU Addition as recorded in Cabinet A, Slide 4484, PRTCT, Lots 1-8, a portion of 13 and 14, Block 4; Lots 12-16, Block 5; Lots 12-15, Block 6, University Place, as recorded in Volume 310, Page 72, PRTCT; Lot 15R, Block 4, University Place as recorded in Volume 388-167, Page 34 PRTCT and portions of Princeton Street, Greene Avenue, West Lowden Avenue and a 15ft alley in Block 4, University Place and the 15ft alley in Block 6, University Place, all located in the City of Fort Worth, Tarrant County, Texas.
  - b. General Location: North of Bowie Street, south of Cantey Street, west of Parmer Avenue and east of University Drive.
  - c. Applicant: Texas Christian University.
  - d. Applicant Requests: Approval of a Subdivision Ordinance waiver.
  - e. DRC Recommends: Approval of the requested Subdivision Ordinance waiver to allow this portion of Princeton Street to permanently dead end without the required turnaround.

9. **VA-17-032**      **Portion of Princeton Street, Greene Avenue and West Lowden Street and Alleys in Block 15 and 16 University Place Addition. Council District 9.**
- a. Being a portion of Princeton Street, Greene Avenue and West Lowden Street and an alleys in Block 15 and 16 University Place Addition, as recorded on the plat in Volume 310, Page 72, PRTCT.
  - b. General Location: North of Bowie Street, south of Cantey Street, west of Parmer Avenue and east of University Drive.
  - c. Applicant: Texas Christian University.
  - d. Applicant Requests: Approval of a recommendation to City Council.
  - e. DRC Recommends: Approval of the recommendation to City Council for the vacation of portions of Princeton Street, Greene Avenue, West Lowden Street and the two alleys in Blocks 15 and 16 University Place.
10. **FS-17-192**      **Lots 24R1, 24R2 and 24R3, El Rancho Estates: ETJ – Tarrant County.**
- a. Being a replat of Lot 24, El Rancho Estates, an addition to Tarrant County, Texas, as recorded in Volume 388-B, Page 265, PRTCT.
  - b. Location: 344 and 360 Diamond Bar Trail.
  - c. Applicant: Mary Ann Dickey.
  - d. Applicant Requests: Approval of the increase in lot yield.
  - e. DRC Recommends: Approval of the increase in lot yield which is in compliance with the Subdivision Ordinance.
11. **FS-17-193**      **Lots 9R1, and 9R2, Block 1, Second Revised Map of R. M. Page's Addition: Council District 9.**
- a. Being a replat of Lot 9, Block 1, Second Revised Map of R. M. Page's Addition, an addition to the City of Fort Worth, Tarrant County, Texas, as recorded in Volume 63, Page 142, PRTCT.
  - b. Location: 2336 Lipscomb Street.
  - c. Applicant: William A. Lind.
  - d. Applicant Requests: Approval of the increase in lot yield.
  - e. DRC Recommends: Approval of the increase in lot yield which is in compliance with the Subdivision Ordinance.

12. **VA-17-004**      **Portion of Maple Street. Council District 8.**

- a. Being a portion of Maple Street between Blocks 4 and 5, Greenway Place Addition, as recorded in Volume 1639, Page 428, DRTCT.
- b. Location: North of Mony Street, south of Greenfield Avenue and west of Lotus Avenue.
- c. Applicant: Kane Urban.
- d. Applicant Requests: Approval of a recommendation to City Council.
- e. DRC Recommends: Denial of the recommendation to City Council for the vacation of this portion of Maple Street.

13. **VA-17-030**      **Portion of South Calhoun Street and a Portion of Excess Right-of-Way along East Pennsylvania Avenue. Council District 9.**

- a. Being a portion of South Calhoun Street as dedicated by the plat in Volume 63, Page 124 and a portion of excess right-of-way along East Pennsylvania Avenue, per the deed recorded in Volume 5937, Page 102 between East Annie Street and East Pennsylvania Avenue in the City of Fort Worth, Tarrant County, Texas.
- b. General Location: North of East Pennsylvania Avenue, south of East Annie Street, east of Crawford Street and west of South Freeway.
- c. Applicant: Larch Hills Southside FW, LLC.
- d. Applicant Requests: Approval of a recommendation to City Council.
- e. DRC Recommends: Approval of the recommendation to City Council for the vacation of this portion of Calhoun Street and this portion of excess right-of-way along East Pennsylvania Avenue.

14. **VA-17-031**      **Portion of West Magnolia Avenue, Portion of an Unnamed Right-of-way and a Portion of an Alley in Block 1, Mistletoe Heights. Council District 9.**

- a. Being a portion of West Magnolia Avenue, an unnamed right-of-way and a portion of an alley in Block 1 Mistletoe Heights, between Jerome Street and the Fort Worth Western Railroad, as dedicated by plats recorded in Volume 388, Page 5 and Volume 106, Page 135, PRTCT.
- b. General Location: North of Harrison Avenue, south of Mistletoe Boulevard, east of Jerome Street and west of the Fort Worth and Western Railroad.
- c. Applicant: VGA Leasing, LP.
- d. Applicant Requests: Approval of a recommendation to City Council.
- e. DRC Recommends: Approval of the recommendation to City Council for the vacation of this portion of West Magnolia Avenue, an unnamed street and this portion of an alley in Block 1 Mistletoe Heights.

15. **MT-17-004**      **The Addition of Proposed Northstar Parkway and the Realignment of Future Rancho Canyon Road and Future Graben Road. ETJ – Wise, Tarrant, and Denton Counties.**

- a. Being the addition of Northstar Parkway as a Neighborhood Connector from existing Sendera Ranch Boulevard to existing US-287; the elimination of future Rancho Canyon Road from its approximate intersection with future Graben Road to existing US-287; and the realignment of the future intersections of Rancho Canyon Road with Graben Road and with Northstar Parkway.
- b. General Location: West of Sendera Ranch Addition, north of the Highlands at Willow Springs and Aston Meadows Additions, east of US-287, and south of SH-114.
- c. Applicant: Northstar Ranch LLC.
- d. Applicant Requests: Approval of a recommendation to City Council.
- e. DRC Recommends: Approval of a recommendation to City Council for adoption of this Master Thoroughfare Plan amendment.

16. **MT-17-005**      **Amendment to Change 130-Foot Section to 120-Foot Section for a Portion of Blue Mound Road (FM Road 156).** ETJ – Tarrant County.

- a. Changing the thoroughfare width for Blue Mound Road, a Neighborhood Connector, from 375 feet south of Bayne Road to the intersection of Blue Mound Road with Bonds Ranch Road, being approximately 4147.24 feet in total length.
- b. General Location: West of Hugh White Estates, north of the Bonds Ranch Road, east of North Ridge Estates and Bonds Ranch Marketplace, and south of Bayne Road.
- c. Applicant: City of Fort Worth, Transportation Public Works Department.
- d. Applicant Requests: Approval of a recommendation to City Council.
- e. DRC Recommends: Approval of a recommendation to City Council for adoption of this Master Thoroughfare Plan amendment.

17. **PP-17-007**      **Lots 1R, 2R, 3R, 3R1, 4R and 4R1, Block 8, Wilkes Estates: Council District 5.**

- a. Being a replat of Lots 1-4, Block 8, Wilkes Estates, an addition to the City of Fort Worth, Tarrant County, Texas, as recorded in Volume 388-L, Page 58, PRTCT.
- b. Location: 5921 and 5925 Wilkes Drive; 4224 and 4228 South Cravens Road.
- c. Applicant: Fort Worth Area Habitat for Humanity, Inc.
- d. Applicant Requests: Approval of the preliminary plat and approval of one Subdivision Ordinance waiver.
- e. DRC Recommends: Approval of the increase in lot yield and the requested Subdivision Ordinance waiver to the requirement to update South Cravens Road and Wilkes Drive with curb and gutter.

18. **PP-17-020**      **SNM Buell Addition 2 Non-Residential Lots: ETJ – Tarrant County.**

- a. Being 14.98 acres of land located in the J. Coltharp Survey, Abstract Number 1887, Tarrant County, Texas.
- b. Location: 3130 FM 1187.
- c. Applicant: Vaquero Ventures Management, LLC.
- d. Applicant Requests: Approval of the preliminary plat and approval of one Subdivision Ordinance waiver.
- e. DRC Recommends: Approval of the preliminary plat and the requested Subdivision Ordinance waiver to allow a lot less than one acre net of all floodplain and drainage easements in size to be served by a private onsite septic system.



**19. CP-17-002 Sienna Hills Addition: 39.73 Acres of Multi-Family, 6.91 Acres of Commercial, 3.46 Acres of Private Open Space, and 1.87 Acres of Public Access. Council District 3.**

- a. Being 51.97 acres of land located in the Buffalo Bayou, Brazos & Colorado Railroad Company Survey, Abstract Number 219; the James W. Oxford Survey, Abstract Number 1201; and the George White Survey, Abstract Number 1751, City of Fort Worth, Tarrant County, Texas.
- b. General Location: North of Westpoint Boulevard, east of Alameda Street and west of West Loop 820 South.
- c. Applicant: 820/30 Interchange, LTD.
- d. Applicant Requests: Approval of the request for a 30-day continuance.
- e. DRC Recommends: Approval of the request for a 30-day continuance.

**20. PP-17-038 Sienna Hills Addition: 1 Multi-Family Lot, 1 Private Open Space Lot and 1 Public Access Easement Lot. Council District 3.**

- a. Being 17.36 acres of land located in the Buffalo Bayou, Brazos & Colorado Railroad Company Survey, Abstract Number 219; the James W. Oxford Survey, Abstract Number 1201; and the George White Survey, Abstract Number 1751, City of Fort Worth, Tarrant County, Texas.
- b. General Location: North of Westpoint Boulevard, east of Alameda Street and west of West Loop 820 South.
- c. Applicant: 820/30 Interchange, LTD
- d. Applicant Requests: Approval of the request for a 30-day continuance.
- e. DRC Recommends: Approval of the request for a 30-day continuance.

21. **PP-17-042**      **Uplift - Hanna Ranch: 1 School Lot. Council District 8.**

- a. Being approximately 29.234 acres in the Shelby County School Land Survey, Abstract Number 1375, City of Fort Worth, Tarrant County, Texas.
- b. General Location: Southeast of Forest Hill Drive and Hanna Ranch Boulevard.
- c. Applicant: Uplift Education.
- d. Applicant Requests: Approval of the preliminary plat and a Subdivision Ordinance waiver.
- e. DRC Recommends: Approval of the preliminary plat and approval of a waiver to allow a collector street to intersect Forest Hill Drive within 240 feet of an existing local street intersection rather than the 600-foot minimum intersection spacing allowed.

22. **PP-17-045**      **Marine Creek Ranch: 143 Single-Family Detached Lots, 1 Commercial Lot, and 5 Private Open Space Lots. Council District 2.**

- a. Being approximately 32.33 acres in the Joseph Boman Survey, Abstract Number 79 and the Alexander F. Albright Survey, Abstract Number 1849, City of Fort Worth, Tarrant County, Texas.
- b. General Location: Southeast of the intersection of Huffines Boulevard and Cromwell Marine Creek Road.
- c. Applicant: M&C Development, LTD.
- d. Applicant Requests: Approval of the preliminary plat and approval of a Subdivision Ordinance waiver.
- e. DRC Recommends: Approval of the preliminary plat and approval of a waiver to allow a local street to intersect Cromwell Marine Creek Road within 250 feet of two existing local street intersections rather than the 600-foot minimum intersection spacing allowed.

E. Other Matters of Business (1)

23. **CP-16-005      Rock Creek Ranch (Waiver Request): 1,141 Acres of Single-Family Residential, 329 Acres of Commercial, 135 Acres of Multi-Family, 88 Acres of Institutional, and 63 Acres of Mixed Use. City Council 6.**

- a. Being approximately 1,755 acres situated in the southwest part of the City of Fort Worth, Tarrant County, Texas.
- b. General Location: The lift station is located in the far west corner of the concept plan which is north of FM 1187, east of Rocky Creek Park, south of McPherson Boulevard, and west of Cleburne Road West.
- c. Applicant: Walton Development and Management (USA), Inc.
- d. Applicant Requests: Approval of a Subdivision Ordinance waiver.
- e. DRC Recommends: Approval of the requested waiver to allow the issuance of a building permit(s) for a sanitary sewer lift station prior to the site being platted in the future with the development of adjacent properties.

**Adjournment:** \_\_\_\_\_

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**EXECUTIVE SESSION**

A closed Executive Session may be held with respect to any posted agenda item to enable the Commission to receive advice from legal counsel, pursuant to Texas Government Code, Section 551.071.

# **INTERNAL STAKEHOLDER ENGAGEMENT**

**STORMWATER MANAGEMENT PROGRAM MASTER PLAN**



- December 5, 2017 – Informal Report

**To the Mayor and Members of the City Council****December 5, 2017**

Page 1 of 2

**SUBJECT: STORMWATER PROGRAM STRATEGIC MASTER PLAN UPDATE**

Staff presented a status brief on the Stormwater Master Plan update to the City Council Infrastructure and Transportation Committee on September 12, 2017 and to the City Plan Commission on September 27, 2017. The purpose of this Informal Report is to provide the full Council with a summary of that update.

### **Background and Goals**

On August 2, 2016 (M&C C-27832), City Council approved a professional services agreement with Halff & Associates Inc. (HAI) to assist City staff with the process of updating the master plan of the Stormwater Management Program. The key goals of the master plan update initiative are to: consolidate information gathered and lessons learned from the first 11 years of the City's Stormwater Management Program; define and prioritize service gaps; optimize the use of resources to meet community needs; develop direction for policy decisions on key issues with significant implications on the general public; and create an implementation plan for the next 10 years.

### **Key Data**

To ensure that the master plan update is adequately informed by the community, a resident Stakeholder Group (SG) has been established. The Mayor and City Councilmembers each appointed a representative and City staff invited 8 ad hoc members to be a part of the group for a total membership of 17. The SG has significant diversity, both demographically and in terms of perspectives on stormwater issues. The SG met 8 times over a 9 month period. They were very engaged and their input was very helpful in shaping the direction of the plan and process. The process also saw good participation and input from the public at large.

Another key data set obtained that will be a significant influence on the updated master plan is input from a group of peer review communities. The communities of Dallas, Arlington, San Antonio, Austin, Oklahoma City, Raleigh NC, and Charlotte NC have each completed a lengthy questionnaire providing information on their Stormwater programs. Follow-up phone calls with most of those communities provided deeper insight into their policies, practices, and program goals.

The final category of key data is that which is developed and used for program prioritization. A significant focus of the Stormwater program for the past few years has been assimilating key system data and developing methods of synthesizing and analyzing the data to inform program priorities. That focus has led to the development of thorough and objective means of ranking: the condition and capacity of the pipe system; the relative risk of flooding in the 300 + drainage basins in the City; the level of erosion risk in channels and creeks; and the overall priority of potential improvement projects. This data is integral to the optimization of program resources and, therefore, also integral to the strategic masterplan.

**To the Mayor and Members of the City Council****December 5, 2017**

Page 2 of 2

**SUBJECT: STORMWATER PROGRAM STRATEGIC MASTER PLAN UPDATE****Key Policies**

A significant outcome of the master plan update process is direction on some key policy issues that have significant implications both on the Stormwater Management Program as well as residents (residential and commercial) of Fort Worth. Those policy issues relate to: voluntary buyouts of flood prone or high erosion risk properties, designation/communication/regulation of local (non-FEMA) floodplains, severe erosion in privately owned creeks and channels, and the level of oversight of private development. Based on the feedback from the Stakeholder Group and the peer review communities, the master plan update will recommend that a separate process be launched to develop policies in each of these areas. Development of the policies will be fully vetted amongst all key stakeholders and recommendations brought forward to the City Plan Commission and City Council as appropriate.

**Plan Completion**

The master plan update is on schedule. A presentation and recommendation for Council to adopt an updated master plan is expected in early 2018 after the plan is presented to, and endorsed by, the City Plan Commission.

If you have any questions please contact Greg Simmons, Assistant Transportation and Public Works Director at 817-392-7862.

**David Cooke  
City Manager**

# **INTERNAL STAKEHOLDER ENGAGEMENT**

**STORMWATER MANAGEMENT PROGRAM MASTER PLAN**



- February 28, 2018 – Public Hearing at the Plan Commission

I, the undersigned authority do hereby certify that this Notice of Meeting was posted on the City of Fort Worth official website and official bulletin board, places convenient and readily accessible to the general public at all times and said Notice was posted on the following date and time **Friday, February 23, 2018 at 5:00 p.m.** and remained so posted continuously for at least 72 hours preceding the scheduled time of said meeting.

*Mary J. Kayser*



**CITY PLAN COMMISSION**

**FEBRUARY AGENDA**

**Wednesday, February 28, 2018**

**Work Session 11:00 A.M.**

**City Council Conference Room 290**

**Public Hearing 1:30 PM**

**City Council Chambers**

**200 Texas St.**

**2<sup>nd</sup> Floor – City Hall**

**Fort Worth, Texas 76102**

**For More Docket Information Visit**

<http://fortworthtexas.gov/planninganddevelopment/platting/>

**Commissioners:**

Vicky Schoch, CD 1  
Jennifer Trevino, CD 2  
Jim Tidwell, CD 3  
Mark Brast, CD 4  
Ben Robertson, CD 5

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Armard Anderson, CD 6  
Edward Deegan, CD 7  
Don Boren, Chair CD 8  
Melissa Konur, CD 9  
Bob Kelly, Alternate  
Rich Hyde, Alternate

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**I. WORK SESSION:                      11:00 A.M.                      City Council Conference Room 290**

- |   |                           |
|---|---------------------------|
| A. Correspondence & Comments                  | Staff & Chair             |
| B. Lunch                                      |                           |
| C. Review of Cases on Today's Agenda          | Staff                     |
| D. Trinity River Strategic Plan               | Streams and Valleys, Inc. |
| E. Access Management and Collector Guidelines | Staff                     |
| F. Economic Development Strategic Plan        | Staff                     |



**II. PUBLIC HEARING: 1:30 P.M. Council Chambers**

- A. Approval of Previous Month's Minutes
- B. Approval of Previously Recorded Final Plats

C. Consent Cases (6)

1. **MT-18-001 Burleson Retta Road. ETJ-Tarrant County**

- a. Being the removal of an approximate 4,300 foot portion of the proposed alignment of proposed Burleson Retta Road from the 3700 Block of existing Burleson Retta Road to Rendon Road and to realign this proposed Neighborhood Connector to the existing alignment.
- b. General Location: North and east of Burleson Retta Road and west of Rendon Road.
- c. Applicant: Rosa Ratterree
- d. Applicant Requests: Approval of a recommendation to City Council.
- e. DRC Recommends: Approval of a recommendation to City Council for adoption of this Master Thoroughfare Plan amendment.

2. **FS-18-014 Lots 11RA, 11Rb and 11RC, Shady Oaks Addition (Increase in Lot Yield): ETJ, Johnson County.**

- a. Being a revision of a portion of Lot 11, Shady Oaks Addition, an addition out of the V. Anderson Survey, Abstract No. 1, in Johnson County, Texas, according to the plat recorded in Volume 505, Page 491, Deed Records, Johnson County, Texas.
- b. General Location: Southeast Corner of County Road 605 and County Road 605B
- c. Applicant: Steven Ray Maddux
- d. Applicant Requests: Approval of the increase in lot yield.
- e. DRC Recommends: Approval of the increase in lot yield which is in compliance with the Subdivision Ordinance.

3. **FS-18-025 Rivercrest Addition (Increase in Lot Yield): Council District 7.**

- a. Being a replat of a portion of Block 8, Rivercrest Addition, an addition to the City of Fort Worth, Tarrant County, Texas, according to the plat recorded in Volume 310, Page 92 PRTCT.
- b. Location: 5109 and 5115 Slate Street
- c. Applicant: Fort Growth Partners LP

- d. Applicant Requests: Approval of the increase in lot yield.
- e. DRC Recommends: Approval of the increase in lot yield which is in compliance with the Subdivision Ordinance.

4. **VA-18-002**      **Vacation of a Portion of Old Denton Road: Council District 4.**

- a. Part of the Milly Gilbert Survey, Abstract Number 565, and Heirs of W.W. Thompson, Abstract Number 1498, City of Fort Worth, Tarrant County, Texas.
- b. General Location: East of Sandshell Boulevard, south of Basswood Boulevard, west of Cascade Court, north of Genevieve Drive.
- c. Applicant: All Storage Sandshell LLC
- d. Applicant Requests: Approval of a recommendation to City Council.
- e. DRC Recommends: Approval of the recommendation to City Council for the vacation of this portion of Old Denton Road.

5. **PP-17-075**      **Chisholm Trail Ranch, Section 3 (Brewer Boulevard Right-of-Way): Council District 6.**

- a. Being 4.02 acres in the Juan Jose Albirado Survey, Abstract Number 4, City of Fort Worth, Tarrant County, Texas.
- b. General Location: South of McPherson Boulevard, west of Chisholm Trail Parkway and North of Stewart Feltz Road.
- c. Applicant: Walton
- d. Applicant Requests: Approval of the preliminary plat.
- e. DRC Recommends: Approval of the preliminary plat which is in compliance with the Subdivision Ordinance.

6. **PP-18-003**      **Watercress Drive Right-of-Way, Lake Worth Leases Addition: Council District 7.**

- a. Being approximately 10.603 acres in the M.E. De La Garza Survey, Abstract Number 616; the A.M. Clear Survey, Abstract Number 360; and the Jacob Wilcox Survey, Abstract Numbers 1715, 1716, and 33, City of Fort Worth, Tarrant County, Texas.
- b. General Location: Segments of Watercress Drive between Silver Creek Road and Island View Drive
- c. Applicant: City of Fort Worth
- d. Applicant Requests: Approval of the preliminary plat.

- e. DRC Recommends: Approval of the preliminary plat which is in compliance with the Subdivision Ordinance.

D. Continued Cases (1)

7. **PP-17-046**     **Vann Addition: 575 Single-Family Detached Lots, 1 Multi-Family Lot, and 12 Private Open Space Lots. Council District 7.**

- a. Being approximately 186.547 in the Henry Robertson Survey, Abstract No. 1259, City of Fort Worth, Tarrant County, Texas.
- b. General Location: Northeast of SH 287, west of BNSF Railway, south of Blue Mound, and east of future Wagley Robertson Road.
- c. Applicant: Hanover Property Company
- d. Applicant Requests: Approval of the preliminary plat and approval of the requested waivers.
- e. DRC Recommends: Approval of the Preliminary Plat and

Approval of the following waivers:

- 1. To allow the following four blocks that exceed the maximum length allowed: Block 1, Lots 1X-25; Block 4, Lots 1-22; Block 13, Lots 1-29; and Block 13, Lots 30-74 and
- 2. To allow an emergency access connection at Gray Dove Road rather than the required extension of a public street connection.

Denial of the following waivers:

- 1. To allow 575 dwelling units on a single access which exceeds the maximum number of dwelling units by 545 units and
- 2. To allow 656 multifamily units on a single access which exceeds the maximum number of units allowed by 557 units.

E. New Cases (6)

8. **VA-18-001**     **Vacation of a Portion of Beckham Place: Council District 9.**

- a. Being a portion of Beckham Place, as dedicated by Fort Worth Original Town, an unrecorded addition and a portion per deed recorded in Volume 3418, Page 633, DRTCT, located in the City of Fort Worth, Tarrant County, Texas.
- b. General Location: South of Akers Avenue, north of Belknap Street, west of Sylvania Avenue and east of Oakhurst Scenic Drive.
- c. Applicant: Saigebrook Development
- d. Applicant Requests: Approval of the recommendation to City Council for the vacation of this portion of Beckham Place.

- e. DRC Recommends: Approval of a 30-day continuance, since this is the companion case for Mistletoe Station Addition (PP-17-081).

9. **PP-17-081**      **Mistletoe Station Addition, Block A, Lots 1 and 2: 2 Multi-Family Lots.**  
**Council District 9.**

- a. Being a replat of Lots C & D, Block B, Mistletoe Heights, as recorded in Volume 388, Page 5, PRTCT and Lot 1-R, Frisco Addition, as recorded in Document Number D212125731, PRTCT, located in the City of Fort Worth, Tarrant County, Texas.
- b. General Location: North of Mistletoe Boulevard, south of W. Rosedale Street, west of 12<sup>th</sup> Avenue and east of Jerome Street.
- c. Applicant: Saigebrook Development
- d. Applicant Requests: Approval of the preliminary plat and Subdivision Ordinance waivers.
- e. DRC Recommends: Denial of the preliminary plat, but supports a 30-day continuance.

10. **PP-17-068**      **Bunge Edible Oil: 8 Commercial Lots. Council District 2.**

- a. Being a replat of a portion of Lot 1, Block 1, Bunge Edible Oil Addition, an addition to the City of Fort Worth, Tarrant County, Texas as recorded Volume 388-218, Page 9, PRTCT and unplatted land in the Isaac Thomas Survey, Abstract Number 1526 and the Edmund Little Survey, Abstract Number 954, City of Fort Worth, Tarrant County, Texas.
- b. General Location: Northeast corner of the intersection of Stockyards Boulevard and Exchange Avenue.
- c. Applicant: Niles City Resort LTD
- d. Applicant Requests: A continuance of this case.
- e. DRC Recommends: Denial of the Preliminary Plat due to significant deviations from the Stockyards Form-Based Code, but supports a continuance.

11. **PP-17-077**      **Quarter Horse Estates: 198 Residential Lots and 2 Private Open Space Lots. Council District 7.**

- a. Being 31.328 acres out of the I. & G.N.R.Y. Company Survey, Abstract Number 834, City of Fort Worth, Tarrant County, Texas.
- b. General Location: South of Bailey Boswell Road, north of W.J. Boaz Road and west of Old Decatur Road.
- c. Applicant: Lan-Cal-Ltd.
- d. Applicant Requests: Approval of the preliminary plat and approval of one Subdivision Ordinance waiver.
- e. DRC Recommends: Approval of the preliminary plat and approval of the Subdivision Ordinance waiver to allow one block that exceeds the maximum length allowed, which runs along Block 6 and extends to Phase 1, Quarter Horse Estates.

12. **PP-18-001**      **Rivercrest Addition: 4 Single-Family Attached Lots and 1 Single-Family Detached Lot. Council District 7.**

- a. Being a replat of Lots 7A-3R and 7A-4R, Block 7, Rivercrest Addition, Second Filing, Fort Worth, Tarrant County, Texas as recorded in Volume 388-0, Page 73 PRTCT.
- b. General Location: Northwest corner of the intersection of Slate Street and Athenia Drive.
- c. Applicant: Fort Growth Partners LP
- d. Applicant Requests: Approval of the increase in lot yield, the preliminary plat and the requested waiver.
- e. DRC Recommends: Approval of the increase in lot yield, the preliminary plat and a waiver to allow four lots less than 50-feet in width to be served by rear entry garages from a shared driveway easement rather than an alley.

13. **PP-18-005 Sunset Ridge Addition: Eight Single-Family Attached Lots. Council District 7.**

- a. Being a replat of Lots 8 and 31, Sunset Ridge Addition, Fort Worth, Tarrant County, Texas as recorded in Volume 1861, Page 527 PRTCT.
- b. General Location: Southeast corner of the intersection of Athenia Drive and Sunset Lane.
- c. Applicant: Fort Growth Partners LP
- d. Applicant Requests: Approval of the increase in lot yield, the preliminary plat and the requested waiver.
- e. DRC Recommends: Approval of the increase in lot yield, the preliminary plat and a waiver to allow eight lots less than 50-feet in width to be served by rear entry garages from a shared driveway easement rather than an alley.

E. Other Matters of Business (6)

14. **FP-16-014 The Ranch at Eagle Mountain (Extension Request): 79 Single-Family Detached Lots, 6 Private Open Space Lots, and 1 City Water Department Lot. Council District 7.**

- a. Being Lots 45 through 88, Block N and Lots 8 through 51, Block BB, 17.97 acres situated in the G. Rail Survey, Abstract Number 1985, and the T. Freeman Survey, Abstract Number 546, City of Fort Worth, Tarrant County, Texas.
- b. General Location: North of Robertson and south of Big Wichita Drive and Sierra Madre Drive between Salt Fork Drive and the extension of Lake Country Drive.
- c. Applicant: BKR Land, LP.
- d. Applicant Requests: Approval of the request to extend the final plat for one year.
- e. DRC Recommends: Approval of the request to extend the final plat for one year.

15. **PP-15-072 Isaac Foster's Addition (Extension Request): Four Multi-family Lots. Council District 9.**

- a. Being a replat of a portion of Lots 2-7, Block K; all of Lots 5-11, Block G; all of Lots 1-9, Block F; all of Lots 1-8 Block C; all of Lots 1-6 Block B; all of Lots 1 and 2 and a portion of Lots 3-8 Block E; all of Lots 1 and 5-8, Block D; and all of Lot 1 and a portion of Lot 2, Block A, Isaac Foster's Addition, an addition to the City of Fort Worth, Tarrant County, Texas, as recorded in Volume 106, Page 1, PRTCT. And being a replat of a portion of Lots 1 and 5, Block 159, Original Townsite of the City of Fort Worth (an unrecorded addition) along with a portion of Garvey Street closed by ordinance number 529; a portion of Johnson Street close by ordinance 2960; and all of the 10 foot alleys in Blocks F, C and B vacated by City of Fort Worth Ordinance recorded in Volume 4116, Page 865, DRTCT.
- b. General Location: North of Pharr Street and south of Cold Springs Road between the Burlington Northern Santa Fe railroad lines.
- c. Applicant: 701 Hampton, LLC
- d. Applicant Requests: Approval of the request to extend the preliminary plat for one year.
- e. DRC Recommends: Approval of the request to extend the preliminary plat for one year.

16. **2018 Comprehensive Plan. All Council Districts.**

DRC Recommends: Approval of a recommendation to City Council for adoption of the 2018 Comprehensive Plan.

17. **Stormwater Management Program Master Plan. All Council Districts.**

DRC Recommends: Approval of a recommendation to City Council for adoption of the Stormwater Management Program Master Plan, March 2018 and incorporation by reference into the City's Comprehensive Plan.

18. **TA-18-001 Subdivision Ordinance Text Amendment. All Council Districts.**

DRC Recommends: Approval of a recommendation to City Council for a text amendment to the Subdivision Ordinance addressing process improvements related to agenda items that are considered by the City Plan Commission.

19. **Revisions to City Plan Commission's Rules of Procedure. All Council Districts.**

DRC Recommends: Approval of the revisions to the City Plan Commission's Rules of Procedure.



**Adjournment:** \_\_\_\_\_

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**EXECUTIVE SESSION**

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## STORMWATER MANAGEMENT PROGRAM MASTER PLAN, MARCH 2018

### Consideration of a recommendation to the City Council for the adoption of the Stormwater Management Program Master Plan, March 2018 and incorporation by reference into the City's Comprehensive Plan

The purpose of this report is to provide the City Plan Commission with information regarding the process used to update the Stormwater Program master plan and the key resulting strategic direction outlined within it. This summarizes the information presented to Plan Commission on September 27, 2017 and January 24, 2018.

The update to the Stormwater Program master plan has been developed after an extensive year-long planning process, which consisted of stakeholder, public, and City staff involvement to help shape the Stormwater Program's strategic direction for the next ten years. Peer community data and prioritization tools were also used to define program direction. The Master Plan identifies the City's commitment to effective stormwater management and meeting community needs through achievement of the strategic direction identified in the plan.

The key goals of the master plan update initiative were to: consolidate information gathered and lessons learned from the first 11 years of the Stormwater Program; define and prioritize service gaps; optimize the use of resources to meet community needs; develop direction for policy decisions on key issues with significant implications on the general public; and create an implementation plan for the next 10 years.

A Stakeholder Group was established to ensure that the master plan update was adequately informed by the community. The group had significant diversity, both demographically and in terms of perspectives on stormwater issues. They were very engaged and their input helped shape the direction of the plan and process. Overall, the stakeholder group endorsed the planning process and the direction identified in the plan. The process also saw good participation and input from the public at large.

In addition to stakeholder and public feedback, the master plan update was significantly influenced by input from a group of peer review communities. This information provided deeper insight into the policies, practices, and program goals of others and was used to inform the planning process.

The master plan update was also influenced by a set of prioritization tools, which the Stormwater Program has been developing since its inception. These tools were used to inform program priorities and strategic direction.

The major outcomes of the master plan update are clearly identified strategic directions for the Program's next ten years regarding system maintenance, hazard mitigation, flood warning, and overseeing development. Strategic direction is also provided on key policy issues related to: voluntary buyouts of flood prone or high erosion risk properties, designation/ communication/regulation of local (non-FEMA) floodplains, severe erosion in privately owned creeks and channels, and the level of oversight of private development. A separate, future stakeholder engagement process will be launched to develop and vet policies in each of these areas based on the strategies identified in the master plan.

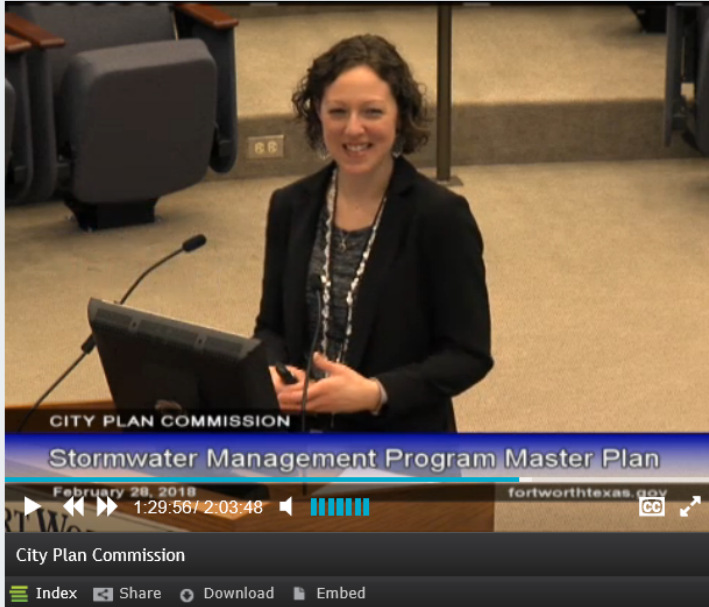
The master plan outlines an implementation strategy that consists of prioritized initiatives, ongoing stakeholder engagement to understand evolving community needs and an annual business plan to document progress on strategy implementation.

After the Commission recommends adoption of the plan, the plan will be provided to City Council recommending adoption of the plan and incorporation by reference into the City's Comprehensive Plan on March 27, 2018.

To view the current draft Stormwater Management Program Master Plan, please visit:

<http://fortworthtexas.gov/stormwatermasterplanupdate/>

**Development Review Committee Recommends:** Approval of a recommendation to the City Council for adoption of the Stormwater Management Program Master Plan, March 2018 and incorporation by reference into the City's Comprehensive Plan.



- City Plan Commission
- Index
    - Share
    - Download
    - Embed
  - District 7.
  - 15. PP-15-072 Isaac Foster's Addition (Extension Request): Four Multi-family Lots. Council District 9.
    - 16. 2018 Comprehensive Plan. All Council Districts. DRC Recommends: Approval of a recommendation to City Council for adoption of the 2018 Comprehensive Plan.
    - 17. Stormwater Management Program Master Plan. All Council Districts. DRC Recommends: Approval of a recommendation to City Council for adoption of the Stormwater Management Program Master Plan, March 2018 and incorporation by reference into the City's
    - 18. TA-18-001 Subdivision Ordinance Text Amendment. All Council Districts. DRC Recommends: Approval of a recommendation to City Council for a text amendment to the Subdivision Ordinance addressing process improvements related to agenda items that are con
    - 19. Revisions to City Plan Commission's Rules of Procedure. All Council Districts. DRC Recommends: Approval of the revisions to the City Plan Commission's Rules of Procedure.

- e. DRC Recommends: Approval of the request to extend the final plat for one year.
- 15. [PP-15-072 Isaac Foster's Addition \(Extension Request\): Four Multi-family Lots. Council District 9.](#)
  - a. Being a replat of a portion of Lots 2-7, Block K; all of Lots 5-11, Block G; all of Lots 1-9, Block F; all of Lots 1-8 Block C; all of Lots 1-6 Block B; all of Lots 1 and 2 and a portion of Lots 3-8 Block E; all of Lots 1 and 5-8, Block D; and all of Lot 1 and a portion of Lot 2, Block A, Isaac Foster's Addition, an addition to the City of Fort Worth, Tarrant County, Texas, as recorded in Volume 106, Page 1, PRTCT. And being a replat of a portion of Lots 1 and 5, Block 159, Original Townsite of the City of Fort Worth (an unrecorded addition) along with a portion of Garvey Street closed by ordinance number 529; a portion of Johnson Street close by ordinance 2960; and all of the 10 foot alleys in Blocks F, C and B vacated by City of Fort Worth Ordinance recorded in Volume 4116, Page 865, DRTCT.
  - b. General Location: North of Pharr Street and south of Cold Springs Road between the Burlington Northern Santa Fe railroad lines.
  - c. Applicant: 701 Hampton, LLC
  - d. Applicant Requests: Approval of the request to extend the preliminary plat for one year.
  - e. DRC Recommends: Approval of the request to extend the preliminary plat for one year.
- 16. [2018 Comprehensive Plan. All Council Districts. DRC Recommends: Approval of a recommendation to City Council for adoption of the 2018 Comprehensive Plan.](#)
- 17. [Stormwater Management Program Master Plan. All Council Districts. DRC Recommends: Approval of a recommendation to City Council for adoption of the Stormwater Management Program Master Plan, March 2018 and incorporation by reference into the City's Comprehensive Plan.](#)
- 18. [TA-18-001 Subdivision Ordinance Text Amendment. All Council Districts. DRC Recommends: Approval of a recommendation to City Council for a text amendment to the Subdivision Ordinance addressing process improvements related to agenda items that are considered by the City Plan Commission.](#)
- 19. [Revisions to City Plan Commission's Rules of Procedure. All Council Districts. DRC Recommends: Approval of the revisions to the City Plan Commission's Rules of Procedure.](#)
- 6. [PP-18-003 Watercress Drive Right-of-Way, Lake Worth Leases Addition: Council District 7.](#)

**ADJOURNMENT:** \_\_\_\_\_

**ASSISTANCE AT THE PUBLIC MEETINGS:**  
 Fort Worth City Hall is wheelchair accessible. Persons with disabilities who plan to attend this meeting and who may need accommodations, auxiliary aids, or services such as interpreters, readers, or large print are requested to contact the City's ADA Coordinator at (817) 392-8552 or e-mail ADA@FortWorthTexas.gov at least 48 hours prior to the meeting so that appropriate arrangements can be made. If the City does not receive notification at least 48 hours prior to the meeting, the City will make a reasonable attempt to provide the necessary accommodations.

El City Hall de la Ciudad de Fort Worth es accesible para silla de ruedas. Se solicita a las personas con discapacidades que planean asistir a esta reunion y que necesitan acomodaciones, ayudas auxiliares o servicios tales como interpretes, lectores o impresiones con letra grande, que se comuniquen con el Coordinador de la Asociacion Americana de Discapacitados (ADA) de la Ciudad llamando al telefono (817) 392-8552 o por correo electronico a ADA@FortWorthTexas.gov por lo menos 48 horas antes de la reunion, de modo que puedan hacerse los arreglos adecuados. Si la Municipalidad no recibe una notificacion por lo menos 48 horas antes de la reunion, esta hara un intento razonable para proporcionar las acomodaciones necesarias.

**Executive Session**  
 A closed executive session may be held with respect to any posted agenda item to enable the Commission to receive advice from legal counsel, pursuant to Texas Government Code, Section 551.071.

# **INTERNAL STAKEHOLDER ENGAGEMENT**

## **STORMWATER MANAGEMENT PROGRAM MASTER PLAN**



- May 1, 2018 Council Meeting – Plan Adoption

# CITY COUNCIL AGENDA




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## COUNCIL ACTION: Approved on 5/1/2018 - Resolution No. 4930-05-2018

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<b>DATE:</b>	5/1/2018	<b>REFERENCE NO.:</b>	**G-19273	<b>LOG NAME:</b>	20SW ADOPT SW PROGRAM MASTER PLAN
<b>CODE:</b>	G	<b>TYPE:</b>	CONSENT	<b>PUBLIC HEARING:</b>	NO
<b>SUBJECT:</b>	Resolution Adopting the Stormwater Management Program Master Plan, May 2018 (ALL COUNCIL DISTRICTS)				

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### RECOMMENDATION:

It is recommended that the City Council adopt the attached resolution adopting the Stormwater Management Program Master Plan, May 2018, and incorporating it by reference into the City's Comprehensive Plan and/or other planning documents.

### DISCUSSION:

Informal Report No. 10073 (December 5, 2017) advised City Council of the process taken, key data considered, and major policy issues identified in the update to the City's Stormwater Management Program Master Plan. Council was also briefed during the April 17, 2018 Work Session on the engagement process, major outcomes, and implementation strategies identified in the master plan. This Mayor and Council Communication recommends adoption of the resulting Stormwater Management Program Master Plan.

The key goals of the master plan update initiative were to: consolidate information gathered and lessons learned since the Stormwater Program's inception in 2006; define and prioritize service gaps; optimize the use of resources to meet community needs; develop direction for policy decisions on key issues with significant implications on the general public; and create an implementation plan for the next ten years.

The process to update the master plan included Stakeholder meetings that were open to the public, a dedicated website, social media outreach, a detailed peer community review, and consideration of prioritization tools to inform program priorities and strategic direction.

The major outcomes of the master plan update are clearly identified strategic directions for the Program's next 10 years regarding system maintenance, hazard mitigation, hazard warning, and review of private development. The master plan update process also identified key considerations for policy development in the following areas: voluntary buyouts of flood prone or high erosion risk properties; designation/ communication/regulation of local (non-FEMA) floodplains; addressing severe erosion in privately owned creeks and channels and; the level of review of private development. Separate, future stakeholder engagement processes will be conducted to develop and vet policies in each of these areas. The resulting policy recommendations will be brought to the City Plan Commission and City Council as appropriate.

The master plan outlines an implementation strategy that consists of prioritized initiatives, ongoing stakeholder engagement to understand evolving community needs, and an annual business plan to document progress on strategy implementation.

At their February 28, 2018 public hearing, the City Plan Commission approved an action to recommend adoption of the Stormwater Management Program Master Plan to City Council and incorporation by reference into the City's Comprehensive Plan.

A copy of the report can be found attached herein: <http://fortworthtexas.gov/files/90e31a8b-154c-4a9d-9569-b69be3df0ef3.pdf>

This M&C does not request approval of a contract with a business entity.

**FISCAL INFORMATION/CERTIFICATION:**

The Director of Finance certifies that this action will have no material effect on City Funds.

**TO**

Fund	Department ID	Account	Project ID	Program	Activity	Budget Year	Reference # (Chartfield 2)	Amount
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**FROM**

Fund	Department ID	Account	Project ID	Program	Activity	Budget Year	Reference # (Chartfield 2)	Amount
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**Submitted for City Manager's Office by:** Susan Alanis (8180)

**Originating Department Head:** Douglas Wiersig (7801)

**Additional Information Contact:** Jennifer Dyke (2714)

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**ATTACHMENTS**

[SW MP Resolution\\_May2018.docx](#)

# A Resolution

NO. 4930-05-2018

## A RESOLUTION ADOPTING THE STORMWATER MANAGEMENT PROGRAM MASTER PLAN

**WHEREAS** the City of Fort Worth Stormwater Management Program (Program) was created in 2006 to protect people and property from harmful stormwater runoff; and

**WHEREAS** since inception, the Program has created a proactive maintenance plan and a prioritized capital improvement program, defined flood and erosion risks citywide, initiated a flood warning program, and established comprehensive development standards, while working to best meet community needs; and

**WHEREAS** the City of Fort Worth has recently completed an update to the Stormwater Program strategic master plan, hereby designated the Stormwater Management Program Master Plan, May 2018; and

**WHEREAS** the Stormwater Management Program Master Plan, May 2018 outlines the strategic direction for the Program's next ten years for system maintenance, hazard mitigation, hazard warning, and development review; and

**WHEREAS** adoption of the Stormwater Management Program Master Plan by the City of Fort Worth demonstrates commitment to effective stormwater management and meeting community needs through achievement of the strategic direction outlined in the plan, May 2018.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF FORT WORTH, TEXAS:**

The Stormwater Management Program Master Plan, May 2018 is hereby adopted in its entirety and shall be incorporated into and made a part of the City's other planning documents.

Adopted this 1<sup>st</sup> day of May 2018.

ATTEST:

By: \_\_\_\_\_

Ronald P. Gonzales, City Secretary



FORT WORTH



**CITY COUNCIL MEETING  
FOR THE MEETING AT 06:45 P.M. TUESDAY, MAY 1, 2018  
FORT WORTH CITY HALL**

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- I. **CALL TO ORDER**
- II. **INVOCATION - Reverend Dr. Frederick Field "Fritz" Ritsch, III, St. Stephen Presbyterian Church**
- III. **PLEDGES OF ALLEGIANCE TO THE UNITED STATES AND THE STATE OF TEXAS (State of Texas Pledge: "Honor the Texas flag; I pledge allegiance to thee, Texas, one state under God, one and indivisible.")**
- IV. **CONSIDERATION OF THE MINUTES OF THE CITY COUNCIL WORK SESSION OF APRIL 10, 2018, AND THE CITY COUNCIL WORK SESSION AND THE REGULAR MEETING OF APRIL 17, 2018**
- V. **ITEMS TO BE WITHDRAWN FROM THE CONSENT AGENDA**
- VI. **ITEMS TO BE CONTINUED OR WITHDRAWN BY STAFF**
- VII. **CONSENT AGENDA Items on the Consent Agenda require little or no deliberation by the City Council. Approval of the Consent Agenda authorizes the City Manager, or his designee, to implement each item in accordance with staff recommendations.**
  - A. **General - Consent Items**
    1. M&C G-19271 - Verify Completion of Rehabilitation Projects for Historic and Cultural Landmark Properties Located at 1409 N. Commerce Street, 1411 N. Commerce Street, 1504 Fairmount Avenue, 1119 Pennsylvania Avenue, 2420 College Avenue, 1117 Hawthorne Avenue, and 1920 Washington Avenue and Declare Said Properties to be Entitled to a Historic Site Tax Exemption (COUNCIL DISTRICTS 2 and 9)



2. M&C G-19272 - Adopt Resolution Increasing the Maximum Amount to be Paid to Ken East to Represent Officer W.F. Snow, to an Amount Not to Exceed \$200,000.00, in the Lawsuit Entitled Eric C. Darden, as Administrator of the Estate of Jermaine Darden v. City of Fort Worth, W.F. Snow and J. Romero, Cause No. 4:15-CV-221-A (ALL COUNCIL DISTRICTS)
3. M&C G-19273 - Resolution Adopting the Stormwater Management Program Master Plan, May 2018 (ALL COUNCIL DISTRICTS)

**B. Purchase of Equipment, Materials, and Services - Consent Items**

1. M&C P-12192 - Authorize Purchase Agreement with SHI Government Solutions Inc., for CrowdStrike Anti-Virus and Anti-Malware Software, License Fees and Maintenance Support Services for the Information Technology Solutions Department, Using Cooperative Contracts in an Annual Amount Up to \$149,952.00 (ALL COUNCIL DISTRICTS)
2. M&C P-12193 - Authorize Execution of Non-Exclusive Purchase Agreements with Garnet Dynamics, Inc. and DMI, Corp. d/b/a Decker Mechanical for Boiler System Repair Services in an Annual Amount Up to \$777,750.00 and Authorize Four Annual Renewal Options for All City Departments (ALL COUNCIL DISTRICTS)
3. M&C P-12194 - Authorize Agreement with Sunbelt Rentals, Inc. in an Annual Amount Up to \$500,000.00 for the Rental and Lease of Industrial Construction Equipment for All City Departments (ALL COUNCIL DISTRICTS)
4. M&C P-12195 - Authorize Non-Exclusive Purchase Agreements with Multiple Vendors for Golf Resale Merchandise, Food and Beverages for the Park & Recreation Department, Golf Division in an Annual Amount Up to \$750,000.00 and Authorize Four Annual Renewal Options (ALL COUNCIL DISTRICTS)
5. M&C P-12196 - Authorize Sole Source Agreement with Emerson Process Management Power & Water Solutions, Inc. for Software Support and Maintenance in the Amount Up to \$184,803.00 for a Five-Year Term for the Water Department (ALL COUNCIL DISTRICTS)

**C. Land - Consent Items**

1. M&C L-16113 - Adopt Ordinance Amending Chapter 31 Subdivision Ordinance to Delete Subchapter F, "Reconsideration" in Section 31-5, "Decision" which Duplicates the City Plan Commission's Rules of Procedures to be Consistent with Robert's Rules of Order (ALL COUNCIL DISTRICTS)
2. M&C L-16114 - Accept the Conveyance of Fee Simple Interest in All of Lot 34R, Block V, Daggett's Addition, Being Approximately 1.086 Acres of Land and Parking Garage Improvements Associated with the Pinnacle Bank Place Project from the Central City Local Government Corporation, Authorize the Negotiation and Execution of a Parking Lease Agreement with Beachwold Partners LP for the Lease of Parking Spaces in Support of the Pinnacle Bank Place Project (ALL COUNCIL DISTRICTS)
3. M&C L-16115 - Authorize Direct Sale of Two Tax-Foreclosed Properties Located at 3501 Frazier Court for a Total Cost of \$9,421.76 to Ana G Salinas, in Accordance with Section 34.05 of the Texas Property Tax Code (COUNCIL DISTRICT 5)

**D. Planning & Zoning - Consent Items**

1. M&C PZ-3158 - Adopt Ordinance Vacating a Portion of Prescriptive Right-of-Way for Old Granbury Road Near the Intersection of Sycamore School Road and Summer Creek Drive for a Proposed Mixed Use Development (COUNCIL DISTRICT 6)
2. M&C PZ-3159 - Adopt Ordinance Vacating a Portion of West 13th Street and a Portion of Burnett Street within Downtown for the Burnett Lofts Development (COUNCIL DISTRICT 9)

**E. Award of Contract - Consent Items**

1. M&C C-28665 - Authorize Execution of a Communications System Agreement and a Radio Subscriber Support Agreement with the City of River Oaks for Participation in the City of Fort Worth's Two-Way Public Safety Radio System at No Cost to the City of Fort Worth (ALL COUNCIL DISTRICTS)

2. M&C C-28666 - Authorize Execution of a Communications System Agreement with Parker County Emergency Services District 1 for Participation in the City of Fort Worth's Public Safety Radio System for Interoperable Communications in Mutual Aid or Other Multi-Agency Operations at No Cost to the City of Fort Worth (ALL COUNCIL DISTRICTS)
3. M&C C-28667 - Adopt Appropriation Ordinance for the Repurposing of \$252,655.00 in the General Capital Projects Fund to Provide Funding for the Accela Project from the Recurring Facility Maintenance and Repairs Programmable Project (ALL COUNCIL DISTRICTS)
4. M&C C-28668 - Authorize the Assignment of City Secretary Contract No. 44640 for the use of \$1,400,000.00 of HOME Investment Partnerships Program Grant Funds to Develop Eleven Affordable Housing Units at Pinnacle Bank Place, Located at 250 W Lancaster Avenue, from Lancaster Corridor Redevelopment, LLC to Beachwold Partners LP or an Affiliate (COUNCIL DISTRICT 9)
5. M&C C-28669 - Authorize Execution of Change Order No.1 to City Secretary Contract No. 48191 with Cutler Repaving Inc. for the Removal of Hemphill Street and Addition of Trinity Boulevard, McCart Avenue and Cleburne Road, with No Increase to the Contract Amount (COUNCIL DISTRICTS 5 and 9)
6. M&C C-28670 - Authorize an Engineering Agreement with VRX, Inc., in the Amount of \$361,888.00 for the Design of East Long Avenue Bridge and West Felix Street Bridge Deck Replacements (COUNCIL DISTRICTS 2 and 9)
7. M&C C-28671 - Authorize Execution of Amendment No. 1 in the Amount of \$226,336.00 to City Secretary Contract No. 49066, an Agreement with Freese and Nichols, Inc., for a Revised Contract Amount of \$421,749.00 for the Water Efficiency and Condition Assessment Program (WECAP) (ALL COUNCIL DISTRICTS)

#### **VIII. PRESENTATIONS BY THE CITY SECRETARY - CONSENT ITEMS**

1. Notice of Claims for Alleged Damages and/or Injuries

#### **IX. SPECIAL PRESENTATIONS, INTRODUCTIONS, ETC.**

1. Presentation by UNT Health Science Center
2. Presentation by Barlow Garsek & Simon, LLP to the Stray Animal Unit

**X. ANNOUNCEMENTS BY CITY COUNCIL MEMBERS AND STAFF**

1. Upcoming and Recent Events
2. Recognition of Citizens
3. Approval of Ceremonial Travel

**XI. PRESENTATIONS BY THE CITY COUNCIL**

1. Changes in Membership on Boards and Commissions

**XII. PRESENTATIONS AND/OR COMMUNICATIONS FROM BOARDS, COMMISSIONS AND/OR CITY COUNCIL COMMITTEES**

**XIII. RESOLUTIONS**

1. A Resolution Accepting the Interim Report of the Task Force on Race and Culture and Extending the Deadline for the Task Force to Complete its Work from August 1, 2018 to December 31, 2018

**XIV. ZONING HEARING**

1. ZC-17-205 - (CD 8) - Joyce Heredia, 2525 & 2529 Wilkinson Avenue; From: "B" Two-Family To: "PD/B" Planned Development for all uses in "B" Two-Family plus barbershop on one side only to be developed to "ER" Neighborhood Commercial Restricted standards with waivers to signage and setbacks; site plan included 0.49 acres (Recommended for Denial by the Zoning Commission) (Continued from a Previous Meeting)
2. ZC-18-021 - (CD 7) - Marshall Tillman, 1500 Montgomery Street, 3600 Crestline Road; From: PD 393 Planned Development/Specific Use for museum or cultural facility, professional offices, antique shop, book, stationary store, clothing/wearing apparel store, furniture sales, new in a building, photograph/portrait or camera shop, retail sales/jewelry, art

studio/art photography; subject to the following: Provision of a 2' high brick wall up to 3' high wrought iron fence, along Montgomery Street (height not to exceed 4' on Crestline Rd. and Watonga St.) with brick rock painted the same color as the buildings. Provide a 6' cedar wooden fence along the west property line. Provide a 4' high masonry metal rail along the frontage of lot 8 and on the west property line within the required front yard. Entry off Montgomery Street and exit on Crestline Road with TPW approval. No vehicle access along Watonga Street. Landscape islands as indicated on Exhibit A. Provision of trees per Exhibit A within Montgomery Street row subject to City Forestry approval; site plan waived TO: Amend PD 393 to include massage therapy/spa and exclude beauty/barber shop use for 1500 Montgomery; site plan waiver recommended 0.35 acres (Recommended for Approval by the Zoning Commission) (Continued from a Previous Meeting)

3. ZC-18-036 - (CD 8) - Gorgi Nagy, 3620 - 3628 (evens) Frazier Court; From: "AG" Agricultural and "A-5" One-Family To: "R1" Zero Lot Line/Cluster 0.82 acres (Recommended for Approval by the Zoning Commission)
4. SP-18-003 - (CD 3) - Idea Public Schools, 2800 - 3000 Blocks Cherry Lane; From: PD 57 Planned Development for "ER" Neighborhood Commercial Restricted through "H" Central Business District with limited commercial uses/NASJRB Overlay To: Provide required site plan for school 13.0 acres (Recommended for Approval by the Zoning Commission)
5. ZC-18-040 - (CD 6) - JLJ Investments, 301 E. Rendon Crowley Road; From: PD 363 Planned Development/Specific Use for manufactured home sales; site plan waived To: "F" General Commercial 1.82 acres (Recommended for Approval by the Zoning Commission)
6. ZC-18-048 - (CD 9) - City of Fort Worth Planning & Development, 1821 N. Sylvania Avenue; From: "B" Two-Family To: "A-10" One-Family 0.25 acres (Recommended for Approval by the Zoning Commission)
7. ZC-18-049 - (CD 9) - City of Fort Worth Planning & Development, 1160, 1168 and 1240 E. Fogg Street; From: "B" Two-Family To: "A-5" One-Family 0.34 acres (Recommended for Approval by the Zoning Commission)

8. ZC-18-055 - (CD 2) - Fort Worth Housing Authority, 1215 Terminal Road; From: "F" General Commercial To: "C" Medium Density Multifamily 5.61 acres (Recommended for Approval by the Zoning Commission)
9. ZC-18-057 - (CD 3) - Lonnie Wall, 5605 Bonnell Avenue; From: "E" Neighborhood Commercial To: "B" Two-Family (applicant request), "A-5" One-Family (Zoning Commission recommendation) 0.14 acres (Recommended for Approval as Amended to "A-5" by the Zoning Commission)
10. ZC-18-058 - (CD 5) - Amerisouth XXXX, LTD, 4800 E. Berry Street; From: "E" Neighborhood Commercial To: "D" High Density Multifamily 4.03 acres (Recommended for Approval by the Zoning Commission)
11. ZC-18-061 - (CD 8) - O'Reilly Auto Enterprises, 5216 Dorman Street; From: "E" Neighborhood Commercial To: "FR" General Commercial Restricted 0.30 acres (Recommended for Approval by the Zoning Commission)
12. ZC-18-063 - (CD 9) - Luz Maria Garcia, 412 & 414 Wimberly Street; From: "C" Medium Density Multifamily To: "UR" Urban Residential 0.17 acres (Recommended for Approval by the Zoning Commission)
13. ZC-18-064 - (CD 7) - Florencio Castaneda, 302 Sunset Lane; From: "B" Two-Family To: "UR" Urban Residential 0.17 acres (Recommended for Approval by the Zoning Commission)
14. ZC-18-065 - (CD 6) - TCRG Opportunity XV, LLC, 825, 1337, 1339 W. Risinger Road; From: "A-5" One-Family and "J" Medium Industrial To: "J" Medium Industrial 40.24 acres (Recommended for Approval by the Zoning Commission)
15. ZC-18-066 - (CD 9) - Transitions LLC, 1701 St. Louis Avenue; From: "C" Medium Density Multifamily To: "UR" Urban Residential 0.73 acres (Recommended for Approval by the Zoning Commission)
16. SP-18-004 - (CD 7) - Jeffery Treadwell Etal, 1812 - 1814 Montgomery Street; From: PD 1077 PD/E Planned Development for all uses in "E" Neighborhood Commercial plus bar in a separate building only as accessory to a restaurant; site plan approved To: Amend PD 1077 site plan for patio cover 0.43 acres (Recommended for Approval by the Zoning Commission)

17. ZC-18-068 - (CD 5) - City of Fort Worth Property Management, 4600 State Highway 360; From: "J/AO" Medium Industrial/DFW Airport Overlay To: PD/D Planned Development for all uses in "D" High Density Multifamily/AO DFW Airport Overlay with waivers to density, setback, height, and open space; site plan included 13.50 acres (Recommended for Approval by the Zoning Commission)
18. ZC-18-071 - (CD 7) - Roanoke 35/114 Partners, L. P., 15888 Championship Parkway; From: PD 1170 Planned Development for all uses in "D" High Density Multifamily with height up to 42 ft.; site plan approved To: Amend PD 1170 Planned Development to add additional units; site plan included 15.50 acres (Recommended for Approval by the Zoning Commission)
19. ZC-18-072 - (CD 3) - City of Fort Worth Park & Recreation Department, 4400 - 4700 Horne Street; From: "B" Two-Family, "E" Neighborhood Commercial, PD 867 Planned Development for "C" Medium Density Multifamily To: "CF" Community Facilities 11.40 acres (Recommended for Approval by the Zoning Commission)

#### **XV. REPORT OF THE CITY MANAGER**

- A. Benefit Hearing - None**
- B. General - None**
- C. Purchase of Equipment, Materials, and Services - None**
- D. Land - None**
- E. Planning & Zoning - None**
- F. Award of Contract**
  1. M&C C-28649 - Authorize Execution of a Construction Contract with JLB Contracting, LLC, in the Amount of \$1,153,756.71 for Street Improvements on Randol Mill Road at Precinct Line Road, Phase 2, Roundabout Intersection and Authorize the Reallocation of Appropriations in the Amount of \$800,000.00 (2014 Bond Program) (COUNCIL DISTRICT 5) (Continued from a Previous Meeting)

2. M&C C-28672 - Authorize Execution of an Artwork Commission Agreement with Leticia Huerta Studio, LLC, in an Amount of \$42,156.00, Plus City-Held Contingency of \$2,687.00, for a Total of \$44,843.00, for Fabrication and Installation of Artwork and Enhancements to be Incorporated Into the New Brennan Avenue Bridge, Over the Lebow Channel, Located in the 1400-1570 Blocks of Brennan Avenue in Trail Drivers Park (COUNCIL DISTRICT 2)
3. M&C C-28673 - Authorize and Approve Amendments to Articles 14 and 15 of the Collective Bargaining Agreement (Including Healthcare Contract Addendum) Between the City of Fort Worth, Texas and the Fort Worth Professional Firefighters Association, International Association of the Fire Fighters Local 440, to Expire September 30, 2018 (ALL COUNCIL DISTRICTS)
4. M&C C-28674 - Authorize Application for and Acceptance of, if Awarded, Grants from the Texas Department of Transportation in an Amount Up to \$8,102,868.00 for the Design and Construction of the Midfield Redevelopment Project at Fort Worth Meacham International Airport, Authorize Use of Mineral Lease Revenue and Transfer of Funds for City's Grants Match in an Amount Up to \$900,319.00 and Adopt Resolution Providing for Same, and Adopt Appropriation Ordinances (COUNCIL DISTRICT 2)
5. M&C C-28675 - Adopt Appropriation Ordinance in the amount of \$86,768.00 for the Purchase and Installation of Playground and Fitness Equipment for Bunche Park and Authorize Rejection of All Bids for Construction of Improvements at Bunche Park (COUNCIL DISTRICT 5)

**XVI. CITIZEN PRESENTATIONS**

**XVII. EXECUTIVE SESSION (CITY COUNCIL CONFERENCE ROOM, CITY HALL, ROOM 290) - SEE ATTACHMENT B**

EXECUTIVE SESSION - ATTACHMENT B

**XVIII. ADJOURNMENT**