

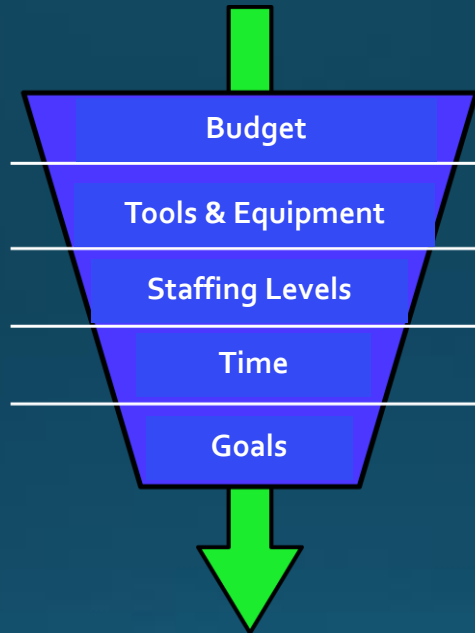


DEPARTMENT OF PUBLIC WORKS

*“National Public Works Week”*

May 19<sup>th</sup> – 25<sup>th</sup>, 2019

# Aligning Public Works Operations and Resources to City Council Strategic Goals



**Citizen Satisfaction**

# The Public Works Department

Streets &  
Surface  
Water  
Drainage

42 Team  
Members

Water  
Utilities

60 Team  
Members

Wastewater  
Utilities

25 Team  
Members

Fleet &  
Solid Waste  
Services

28 Team  
Members

Facilities  
Maintenance

20 Team  
Members

Facilities  
Construction

2 Team  
Members

PW  
Administration

5 Team  
Members

# Street Maintenance / Surface Water Drainage Division

## Streets Maintenance

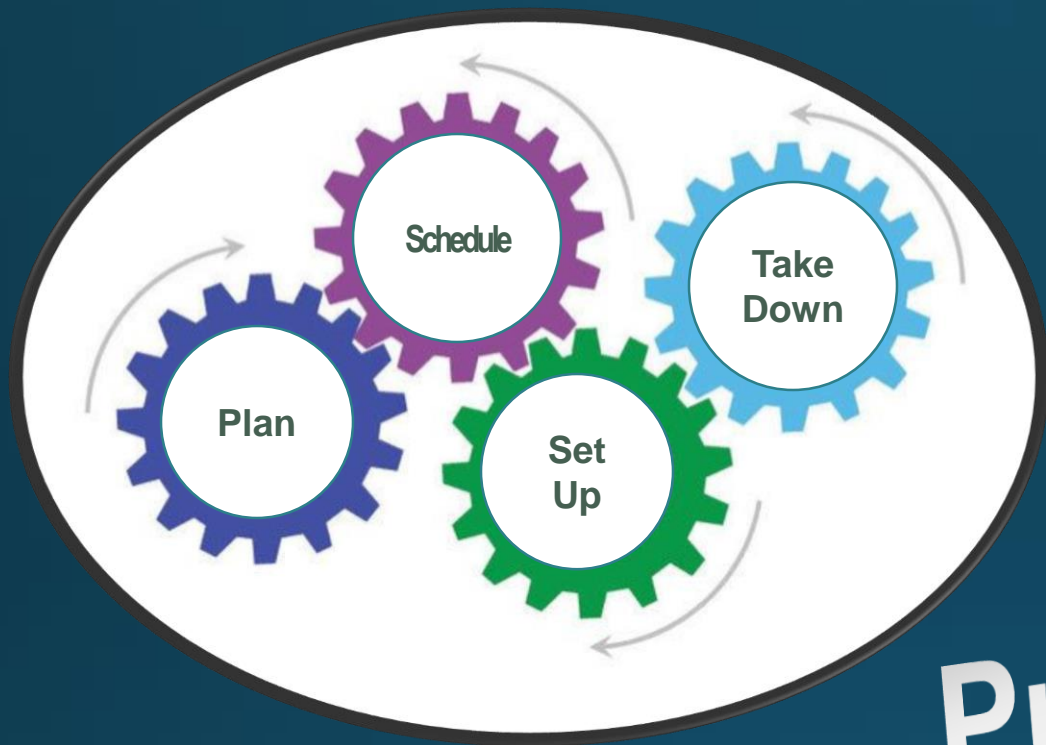
- 30 authorized personnel
- 1616 lane miles of streets
- 71 lane miles of alleys
- Crews responded to over 200 call-out events/year

## Surface Water Drainage

- 12 authorized personnel
- 472 miles of storm water pipe
- 18,683 inlets
- 321 miles of creeks and open drainage channels
- 18 lake dams







**Public Works  
Supports  
72 Annual City  
Events**

# Water Utilities Division

- 60 authorized positions (59 FT & 1 PT)
- Pump Stations (points of entry for water from NTMWD)
  - University Pump Station (26 million gallons (MG) storage)
  - Gerrish Street Pump Station (2 MG Storage)
  - McKinney Ranch Pkwy Pump Station (16 MG Storage)
  - Redbud Pump Station (10 MG Stored) (to be completed in 2019)
- 8 Elevated and 6 Ground Storage Tanks
- 973 miles of water distribution pipe
- 27,901 water valves
- 9,620 fire hydrants
- 57,698 meters (service connections)
- Average Daily Demand is over 29 million gallons/day
- Annual average water consumption is over 11 billion gallons
- Regulatory and reporting requirements to the EPA, TCEQ, and the Texas Water Development Board
- Routine and Annual Testing

The Texas Commission on Environmental Quality (TCEQ) rates McKinney's water quality as "Superior".

Logic Special

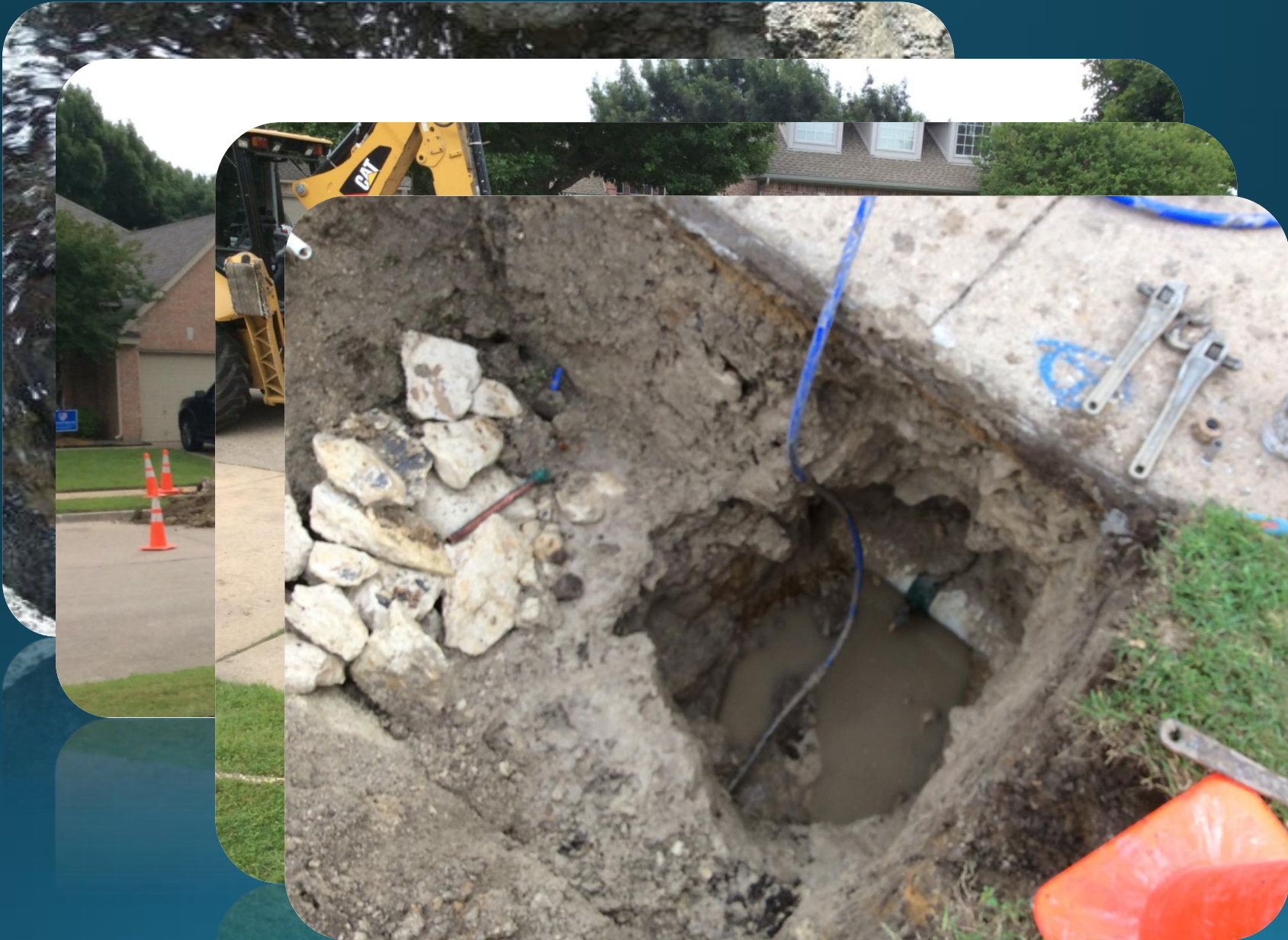


Date	Time	Group	Operator	Comment	Value	Name
4/2/00				Construction of...		





# Service Line Replacement Program



# Wastewater Utilities Division

- 25 authorized positions
- 719 miles of wastewater pipelines  
*(Average of 24-26 miles of new pipeline added annually)*
- 14,047 manholes
- 7 lift stations
- Camera/video inspect and clean 10% of the pipeline annually
- Capacity, Management, Operations, & Maintenance (CMOM) Program



The Wastewater Utility Division and the City's CMOM program keep the City of McKinney in compliance with regulatory agencies.







# Fleet Services Division

- 12 staff including 6 fleet technicians and 3 emergency vehicle technicians
- Maintains 700 vehicles/equipment for 34 city departments/divisions
- 1 Fleet Service Center and 1 auxiliary maintenance site at Fire Station 8
- 2 fueling sites
- 3 shifts, 13 hours daily, 5 days weekly (on-call evenings, weekends & holidays)





# Solid Waste Services Division

## Contracted Collection Service –

*Waste Connections* provides approx. 450,000 collections monthly

- solid waste (residential and commercial), recycling, and yard waste
- 140,000 total solid waste tons (FY17-18)
- 99.996% on-time collection

## City Staff – 17 staff members (16 FT & 1 PT)

- Curbside collection - over 4,300 residences yearly
  - Household hazardous waste (HHW)
  - Electronics waste (e-waste)
- Maintain vegetation in the public right-of-way area and in alleyways
- Provides environmental education and community outreach to promote sustainable practices
  - Fats, Oils, & Grease (FOG) program
  - Texas Trash Off & Trinity Bash
  - Various Water Conservation and Landscaping Seminars



# Facilities Maintenance Division

- 109 City Facilities
- Over 1 million sq. feet
- Over 40,000 sq. feet (leased)
- Over 600,000 sq. feet (parking)

## **24/7 Emergency Maintenance Service**

- Eight (8) Fire Stations
- Public Safety/911 Dispatch

## **Emergency Response after Severe Weather**

- Wind Storms
- Hail Storms
- Floods
- Snow & Ice





# Facilities Construction Division



## **Notable Past Projects**

- Fire Stations #1, #6, #7, #8, #9
- APEX Centre & Tennis Complex
- Public Safety Support Building
- MPAC Renovations
- Community Center Renovations

## **Current Projects**

- Fire Station #10
- Public Safety Renovations
- John & Judy Gay Library Expansion

# ADA & Utilities Relocation





**Thank you**