# Pleasant Grove City

2015 STORM WATER MASTER PLAN REVIEW





### Introduction

- >Storm Water Master Plan
- ➤ Impact Fee Facility Plan
- ➤ Connection to Impact Fee Analysis
- ➤ Impact Fee Facility Plan Addendum
- > Future Discussions



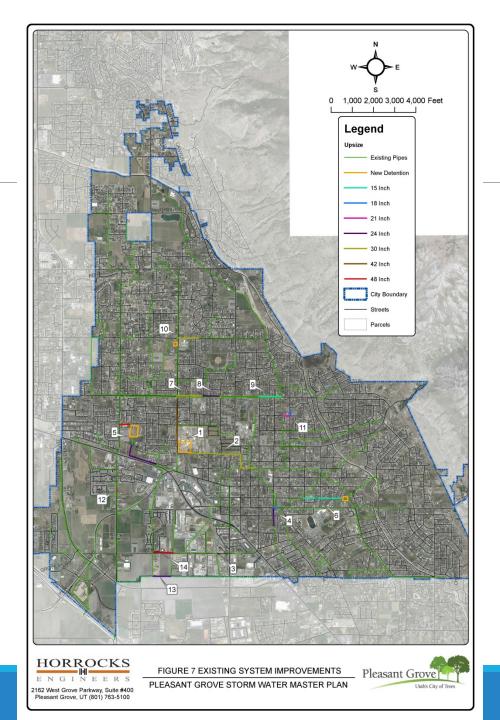


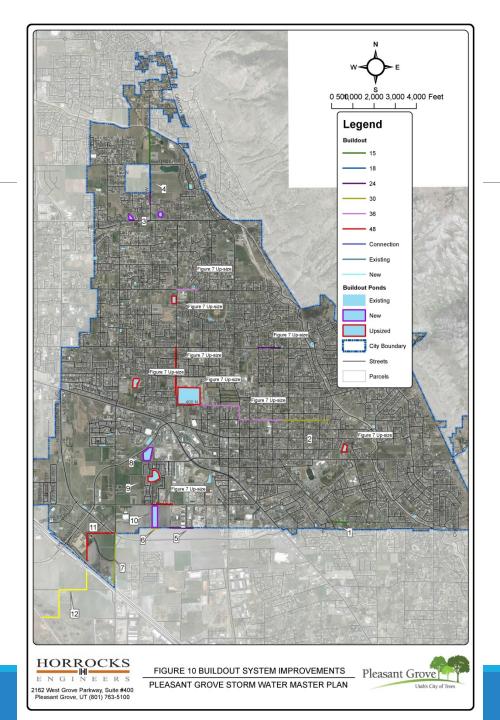
### Storm Water Master Plan

- Level of Service
  - >25-year storm
  - ≥100-year storm in selected locations
- Existing Deficiencies Map
- ➤ Buildout Needs Map









## Impact Fee Facility Plan

- ➤ 10 Year Capital Improvement Plan Table
- ➤ User Rates Discussion





Table 8 Ten Year Improvement Schedule (2013 Dollars)

Fiscal Year	Description	Cost	% Benefit to Existing	Impact Expense	Operating Expense
2012-13	5 Year Master Plan Update	\$75,000	0%	\$75,000	\$0
	Back Yard Storm Drain Relocation	\$195,309	100%	SO	\$195,309
	System Replacement	\$1,000,000	100%	SO	\$1,000,000
	System Deficiencies	\$1,522,064	79%	\$317,652	\$1,204,412
	Buildout Improvements	\$402,767	0%	\$402,767	\$0
	Yearly Total	\$3,195,139	0%	\$795,419	\$2,399,720
2013-14	Annual Master Plan Review	\$4,000	0%	\$4,000	\$0
	Back Yard Storm Drain Relocation	\$195,309	100%	SO	\$195,309
	System Replacement	\$1,000,000	100%	SO	\$1,000,000
	System Deficiencies	\$1,522,064	79%	\$317,652	\$1,204,412
	Buildout Improvements	\$402,767	0%	\$402,767	\$0
	Yearly Total	\$3,124,139	0%	\$724,419	\$2,399,720
2014-15	Annual Master Plan Review	\$4,000	0%	\$4,000	\$0
	Back Yard Storm Drain Relocation	\$195,309	100%	SO	\$195,309
	System Replacement	\$1,000,000	100%	SO	\$1,000,000
	System Deficiencies	\$1,522,064	79%	\$317,652	\$1,204,412
	Buildout Improvements	\$402,767	0%	\$402,767	\$0
	Yearly Total	\$3,124,139	0%	\$724,419	\$2,399,720
2015-16	Annual Master Plan Review	\$4,000	0%	\$4,000	\$0
	Back Yard Storm Drain Relocation	\$195,309	100%	SO	\$195,309
	System Replacement	\$1,000,000	100%	SO	\$1,000,000
	System Deficiencies	\$1,522,064	79%	\$317,652	\$1,204,412
	Buildout Improvements	\$402,767	0%	\$402,767	\$0
	Yearly Total	\$3,124,139	0%	\$724,419	\$2,399,720
2016-17	Annual Master Plan Review	\$4,000	0%	\$4,000	\$0
	Back Yard Storm Drain Relocation	\$195,309	100%	SO	\$195,309
	System Replacement	\$1,000,000	100%	SO.	\$1,000,000
	System Deficiencies	\$1,522,064	79%	\$317,652	\$1,204,412
	Buildout Improvements	\$402,767	0%	\$402,767	\$0
	Yearly Total	\$3,124,139	0%	\$724,419	\$2,399,720
	5 Year Master Plan Update	\$40,000	0%	\$40,000	\$0
	Back Yard Storm Drain Relocation	\$195,309	100%	SO.	\$195,309
	System Replacement	\$1,000,000	100%	so	\$1,000,000
	System Deficiencies	\$1,522,064	79%	\$317,652	\$1,204,412
	Buildout Improvements	\$402,767	0%	\$402,767	\$0
	Yearly Total	\$3,160,139	0%	\$760,419	\$2,399,720
2018-19	Annual Master Plan Review	\$4,000	0%	\$4,000	\$0
	Back Yard Storm Drain Relocation	\$195,309	100%	SO	\$195,309
	System Replacement	\$1,000,000	100%	so	\$1,000,000
	System Deficiencies	\$1,522,064	79%	\$317,652	\$1,204,412
	Buildout Improvements	\$402,767	0%	\$402,767	\$0

	Total Expenditures	\$31,348,394		\$7,351,191	\$23,997,203
	Yearly Total	\$3,124,139	0%	\$724,419	\$2,399,720
	Buildout Improvements	\$402,767	0%	\$402,767	\$0
	System Deficiencies	\$1,522,064	79%	\$317,652	\$1,204,412
	System Replacement	\$1,000,000	100%	\$0	\$1,000,000
	Back Yard Storm Drain Relocation	\$195,309	100%	\$0	\$195,309
2021-22	Annual Master Plan Review	\$4,000	0%	\$4,000	S0
	Yearly Total	\$3,124,139	0%	\$724,419	\$2,399,720
	Buildout Improvements	\$402,767	0%	\$402,767	\$0
	System Deficiencies	\$1,522,064	79%	\$317,652	\$1,204,412
	System Replacement	\$1,000,000	100%	\$0	\$1,000,000
	Back Yard Storm Drain Relocation	\$195,309	100%	\$0	\$195,309
2020-21	Annual Master Plan Review	\$4,000	0%	\$4,000	S0
	Yearly Total	\$3,124,139	0%	\$724,419	\$2,399,720
	Buildout Improvements	\$402,767	0%	\$402,767	\$0
	System Deficiencies	\$1,522,064	79%	\$317,652	\$1,204,412
	System Replacement	\$1,000,000	100%	\$0	\$1,000,000
	Back Yard Storm Drain Relocation	\$195,309	100%	\$0	\$195,309
2019-20	Annual Master Plan Review	\$4,000	0%	\$4,000	\$0
	Yearly Total	\$3,124,139	0%	\$724,419	\$2,399,720

# Storm Water User Rates – What do they fund

- ➤ Operation and Maintenance
- ➤ Equipment and Staff
- **≻**Bond Payments
- ➤ Implementing and Maintaining EPA Municipal Storm Water Program
- ➤ Portion of Capital Improvements





# Connection to Impact Fee Analysis

- > Funding Limitations
  - ≥60% of System Deficiencies
  - ≥60% of Buildout Improvements
  - ➤ 0% of Backyard Relocation
  - ≥0% of System Replacement
- ➤ Impact Fee Rebate
- ➤ Impact Fee Facility Plan Addendum
  - **≻**Table
  - > Memo





IFFD Addendum #1 Table 8 Ten Year Improvement Schedule (2013 Dollars)

Fiscal Year	Description	6-4	% Benefit	Impact Expense	Operating Expense
	5 Year Master Plan Update	\$75,000		\$75,000	SO SO
2015-14	Back Yard Storm Drain Relocation	\$75,000		\$73,000	\$0 \$0
	System Replacement	\$0	100%		so so
	System Deficiencies	\$913,238	79%	4.	\$722,647
	Buildout Improvements	\$241,660		\$241,660	\$0
	Yearly Total	\$1,229,899		\$507,251	\$722,647
2014-15	Annual Master Plan Review	\$4,000	0%	\$4.000	\$722,047
2014-13	Back Yard Storm Drain Relocation	\$0		\$0	\$0
	System Replacement	\$0	100%		\$0
	System Deficiencies	\$913,238	79%	\$190.591	\$722,647
	Buildout Improvements	\$241,660	0%	\$241,660	\$722,047
	Yearly Total	\$1,158,899	0.70	\$436,251	\$722,647
2015 16	Annual Master Plan Review	\$1,158,899		\$4,000	\$722,047
2015-10	Back Yard Storm Drain Relocation	\$4,000			SO SO
		\$0	100%	\$0 \$0	\$0 \$0
	System Replacement	4.5	79%	4.5	4 -
	System Deficiencies	\$913,238			\$722,647
	Buildout Improvements	\$241,660		\$241,660	\$0
201615	Yearly Total	\$1,158,899	0%	\$436,251	\$722,647
2016-17	Annual Master Plan Review	\$4,000		\$4,000	\$0
	Back Yard Storm Drain Relocation	\$0		\$0	\$0
	System Replacement	\$0	100%	4.	\$0
	System Deficiencies	\$913,238	79%	\$190,591	\$722,647
	Buildout Improvements	\$241,660	0%	\$241,660	\$0
	Yearly Total	\$1,158,899		\$436,251	\$722,647
2017-18	Annual Master Plan Review	\$4,000		\$4,000	\$0
	Back Yard Storm Drain Relocation	\$0		4.	\$0
	System Replacement	\$0	100%		\$0
	System Deficiencies	\$913,238	79%	+,	\$722,647
	Buildout Improvements	\$241,660		\$241,660	\$0
	Yearly Total	\$1,158,899	0%	\$436,251	\$722,647
2018-19	5 Year Master Plan Update	\$40,000	0%	\$40,000	\$0
	Back Yard Storm Drain Relocation	\$0		\$0	\$0
	System Replacement	\$0			\$0
	System Deficiencies	\$913,238	79%	\$190,591	\$722,647
	Buildout Improvements	\$241,660	0%	\$241,660	\$0
	Yearly Total	\$1,194,899	0%	\$472,251	\$722,647
2019-20	Annual Master Plan Review	\$4,000	0%	\$4,000	\$0
	Back Yard Storm Drain Relocation	\$0	100%	\$0	\$0
	System Replacement	\$0	100%	\$0	\$0
	System Deficiencies	\$913,238	79%	\$190,591	\$722,647
	Buildout Improvements	\$241,660	0%	\$241,660	\$0

	Total Expenditures	\$11,695,986		\$4,469,515	\$7,226,471
	Yearly Total	\$1,158,899	0%	\$436,251	\$722,647
	Buildout Improvements	\$241,660	0%	\$241,660	\$0
	System Deficiencies	\$913,238	79%	\$190,591	\$722,647
	System Replacement	\$0	100%	\$0	\$0
	Back Yard Storm Drain Relocation	\$0	100%	\$0	\$0
2022-23	Annual Master Plan Review	\$4,000	0%	\$4,000	\$0
	Yearly Total	\$1,158,899	0%	\$436,251	\$722,647
	Buildout Improvements	\$241,660	0%	\$241,660	\$0
	System Deficiencies	\$913,238	79%	\$190,591	\$722,647
	System Replacement	\$0	100%	\$0	\$0
	Back Yard Storm Drain Relocation	\$0	100%	\$0	\$0
2021-22	Annual Master Plan Review	\$4,000	0%	\$4,000	\$o
	Yearly Total	\$1,158,899	0%	\$436,251	\$722,647
	Buildout Improvements	\$241,660	0%	\$241,660	\$0
	System Deficiencies	\$913,238	79%	\$190,591	\$722,647
	System Replacement	\$0	100%	\$0	\$0
	Back Yard Storm Drain Relocation	\$0	100%	\$0	\$0
2020-21	Annual Master Plan Review	\$4,000	0%	\$4,000	\$0
	Yearly Total	\$1,158,899	0%	\$436,251	\$722,647

#### **Future Discussion**

- ➤ Adopt Storm Water Impact Fee and IFFP Addendum
- ➤ Re-visit Level of Service Standards
  - ➤ What level of risk are we willing to accept?
- ➤ Effect on Impact Fees and Capital Improvement Plans



