

A wide-angle photograph of a park. In the foreground, there is a large, lush green lawn. In the middle ground, a playground with slides and swings is visible, surrounded by several large, mature trees. In the background, there are several tall stadium light towers and a range of mountains under a blue sky with light clouds.

# City of Colorado Springs Parks Comprehensive Irrigation Water Management Strategy

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# Colorado Water Plan

- Long-term water plan to meet future needs and demands.
- 2050 Supply/demand gap of 560,000 acre feet.
- Conservation: Achieve a 400,000 acre feet of water conservation from municipal and industrial water users by 2050.

# Water Footprint Reduction

- Repurposing underutilized bluegrass to native grass
- Parking strips/right of way areas
- Synthetic Turf
- School district agreements

# Water Footprint Reduction - Keller Park Native – 7.5 Acres



July 2013



April 2014

August 2014

# Water Footprint Reduction - Native





September 6<sup>th</sup>, 2015

# Water Footprint Reduction - Native



8/31/2015

9/23/2015

Seeded July 21, 2015

# Keller Park 10-Yr Cost/Benefit Analysis

<b>Project Summary</b>	
<b>10-Year Water Savings (acre feet):</b>	<b>60</b>
<b>10-Year Water Savings (cf):</b>	<b>2,613,600</b>
<b>10-Year Annual Water Savings (Gal)</b>	<b>1,954,973</b>
<b>10-Year Annual Savings Average:</b>	<b>\$55,386</b>
<b>Renovation Cost:</b>	<b>\$16,052</b>
<b>Project Payback (Years):</b>	<b>0.29</b>
<b>Yearly Savings Per Acre</b>	<b>\$7,385</b>
<b>Acre feet saved annually</b>	<b>6.0</b>

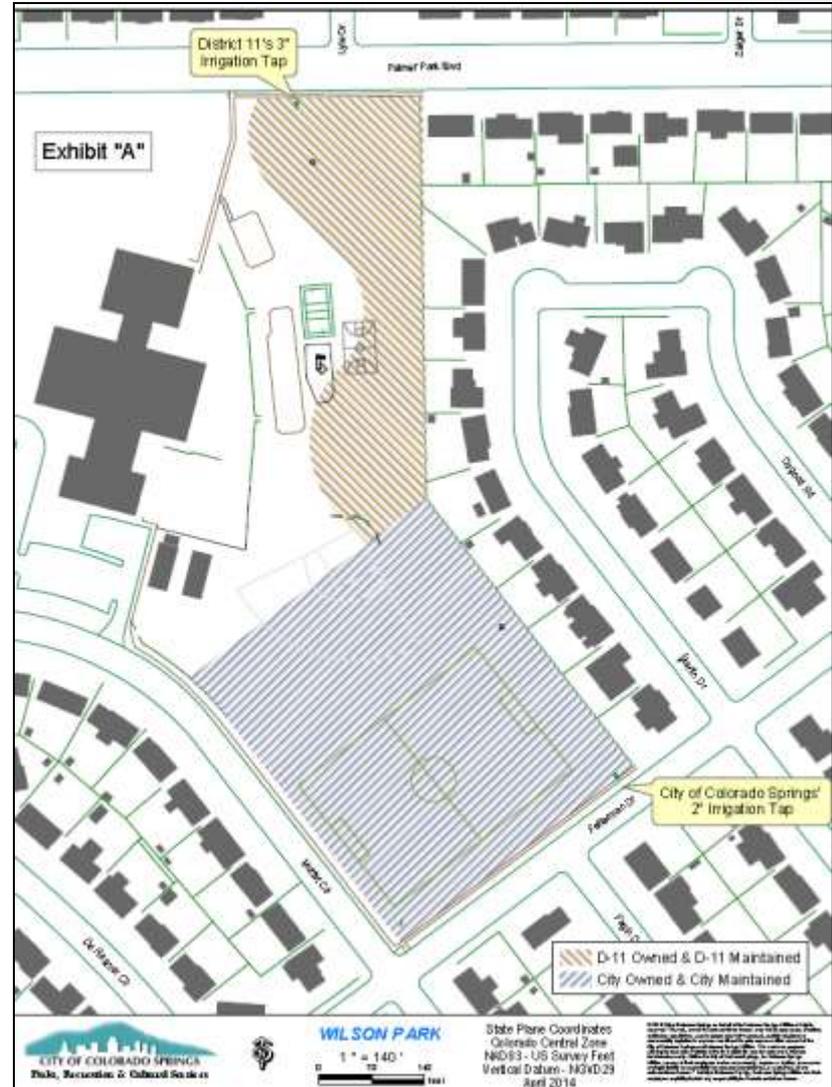
# Parkway and Right of Way Strips



# Water Footprint Reduction – Synthetic Turf



# D-11/D-20/Park & Rec - Joint Property Agreements





Wilson Park

# Water Footprint Reduction Summary

Focus Area	Acreage
Native grass	53.5
School agreements	17
Non-pot conversion	7.5
Synthetic	14
Parking strips/hardscape	.73
<b>Total</b>	<b>92.73</b>



Four Diamond Sports Complex

# New Technology Update



Web-based controllers



Smart phone control



Rain sensors



Flow sensing master valve

# Master Valve/Flow Sensor/Controller Summary

Work Performed	Completed	Remaining	Percent Complete
Controllers installed	163	178	92
Flow sensor/master valve installed	73	105	41



Flow sensor installation at Keller



# New Park Design and Development



- 30 acres developed
- Irrigated blue grass: 2.5 acres
- Shrub/perennial beds – 3.27 acres
- Irrigated native grass: 7.54 acres
- Non-irrigated 3 acres (within developed portion)
- Artificial turf fields: 7 acres