



To: Andy Gebhardt
From: Ron Korman
Date: 01/13/2016
Re: Application for grant funds to retrofit landscaping

Andy,

Thank you for the opportunity to apply for assistance to retrofit landscaping to reduce turf acreage. In the following pages I have outlined the areas that the City has determined will reduce both water usage and maintenance expense. The City of Sparks currently owns the majority of the property at the following project locations. The properties with joint ownership are designated with each description.

The total amount of assistance that the City of Sparks is requesting is \$99,835.40. The funds will be used to purchase the materials to replace the turf; including DG, shrubs, trees, irrigation parts, and in at least one case some concrete. The City will provide the labor, and costs of equipment used to complete the work.

I will be the contact person for these projects, and will be remaining in my current position for the foreseeable future, Adam Mayberry, the PIO for the City of Sparks, and Tracy Domingues, The Parks and Recreation Director will be heading up the majority of the community outreach.

Before any funds can be accepted, the Parks Commission, and the City Council must give approval to the turf reduction plan. The City Council must officially accept any funds that TMWA is willing to provide to the City of Sparks for these projects.

Thank you for your consideration,

A handwritten signature in black ink, appearing to be "R. Korman".

Ron Korman
City of Sparks
Public Works Manager

Victorian Plaza Circle - 11th to 14th Streets

Account #14191

Reason for removal

- This is ornamental turf which surrounds two raised planters and runs along the street from 11th to 14th streets in 3' wide sections.
- It is extremely difficult to water efficiently and suffers many breaks during the year from vehicles and foot traffic kicking off the sprinkler heads.

Turf area to be removed

- 2900 square feet

Plan

- Remove 100% of the turf from this area, plant 30 small shrubs and keep the existing 20 Oak trees. Add 2" of DG to cover area of removed turf.

Retrofit

- 7 - 1" irrigation valves water the turf in this area. 4 will be eliminated and 3 converted to drip zones. The existing irrigation line can be used as a sleeve to go under driveways, etc.

Water savings

- Elimination of this turf will decrease water use from this meter by approximately 8%.

Expected Material Cost

- \$1450







Fisherman's Park -555 Galletti Way

Account# 14373

Reason for removal

- This is a walk through park located along the river path with no parking lot. Much of the existing turf is trampled constantly by day workers.

Turf area to be removed

- 22,200 square feet (around 78% of the turf). Leave 6,500 square feet of turf near picnic table.

Plan

- Remove turf area along Galletti Way and small patch near the bridge. Replace with 30-40 ground cover shrubs. Keep existing trees within the area and supply drip to them. Cover area of removed turf with 3" of DG.

Retrofit

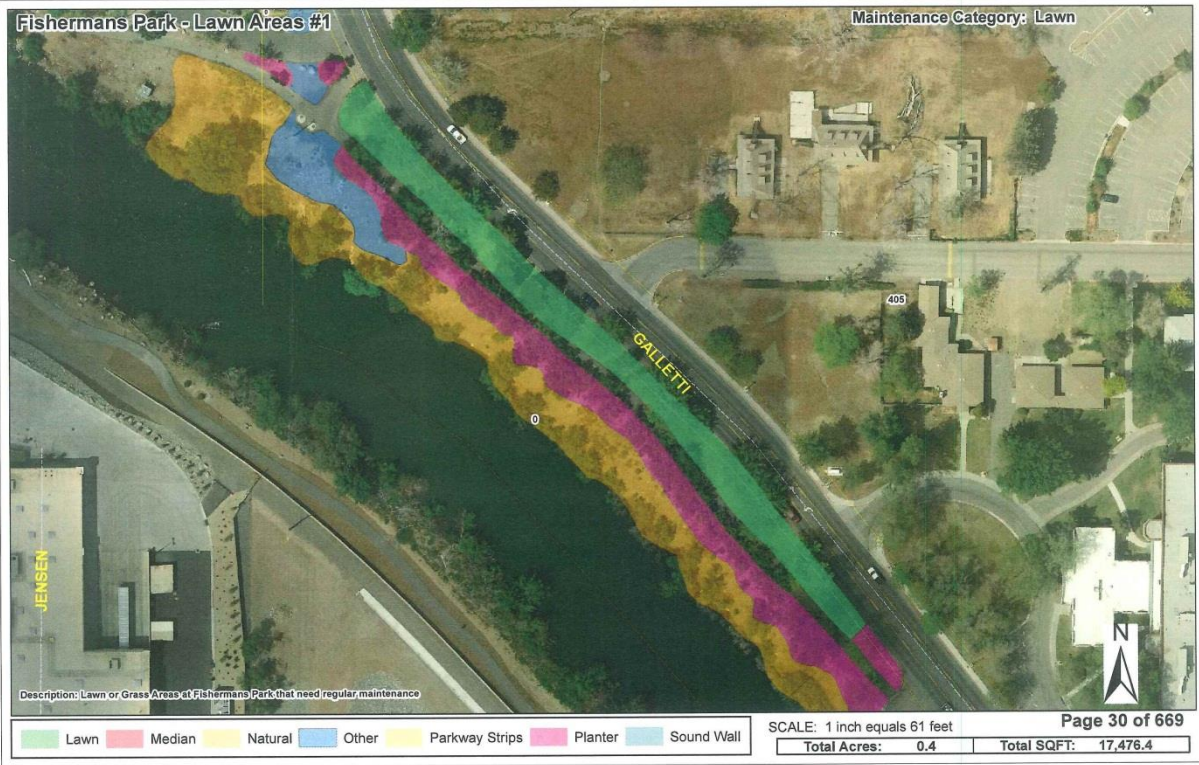
- Retrofit three existing 1" irrigation valves to drip valves. Eliminate two other irrigation valves and keep one for the turf that will remain.

Water savings

- This change should eliminate approximately 65% of the water use from this meter

Expected Material Cost

- \$11,100





Google



Google

Image capture: Jul 2015 © 2015 Google



Imagem capturada em: Jul 2015 © 2015 Google

7-11 Turf -710 Baring Blvd.

Account# ? Water possibly paid by Southland Corp. Meter # 33847745

Reason for removal

- Not a park setting -this turf area is a problem to maintain being adjacent to a heavily used parking lot. Xeriscaping would improve the aesthetics of the area.

Turf area to be removed

- 5,600 square feet.

Plan

- Remove 100% of the turf and replace with 1 tree and 15 shrubs. Cover the existing turf area with 2" of DG. There are four trees in the turf area which will remain. There is a planter containing 40 shrubs which lines the street on the West and South sides.

Retrofit

- Eliminate two 1" irrigation valves and extend the drip from the existing drip valve to water the new plants and the four existing trees.

Water savings

- This change would eliminate approximately 80% of the water use from this meter.

Expected Material Cost

- \$2800



15th and C Street Turf -1450 C Street

Account# 14266

Reason for removal

- This turf area is in front of residences and is ornamental. Neither the public nor the residents use this turf for recreational activities.

Turf area to be removed

- 3,800 square feet.

Plan

- Remove 100% of the turf between the two sidewalks and replace with 20 shrubs to complement the existing 4 trees which will remain. Add 2" of DG to cover area of removed turf.

Retrofit

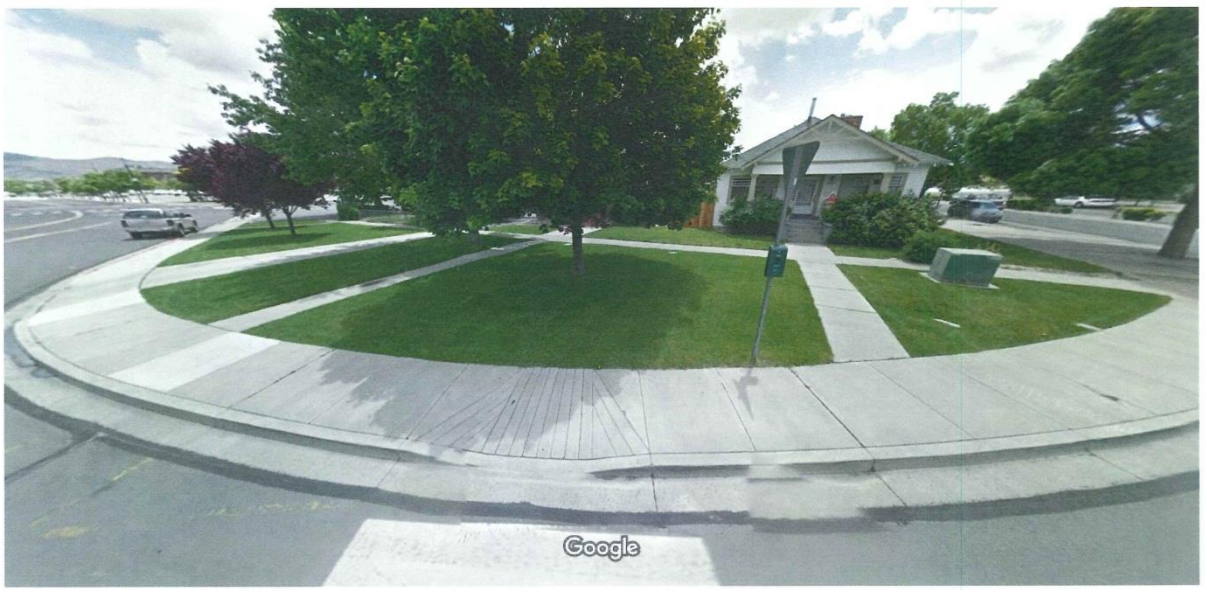
- Replace the 2" irrigation valve with a 1" drip valve and use the existing irrigation line and convert to drip at each segment. Drip will water new and existing plants and trees.

Water savings

- This change will eliminate approximately 9% of the water use from this meter.

Expected Material Cost

- \$1900



Theater Turf -1200 Avenue of the Oaks

Account# 14191

Reason for removal

- This small patch of turf is near the sidewalk going to the Century Theater and is difficult to maintain. In addition, the two adjacent large turf areas are scheduled to be removed next year to accommodate redevelopment.

Turf area to be removed

- 170 square feet

Plan

- Remove turf and replace with 2 small shrubs. A large Juniper sits in the middle of this area and will remain. Cover area with 2/1 of DG.

Retrofit

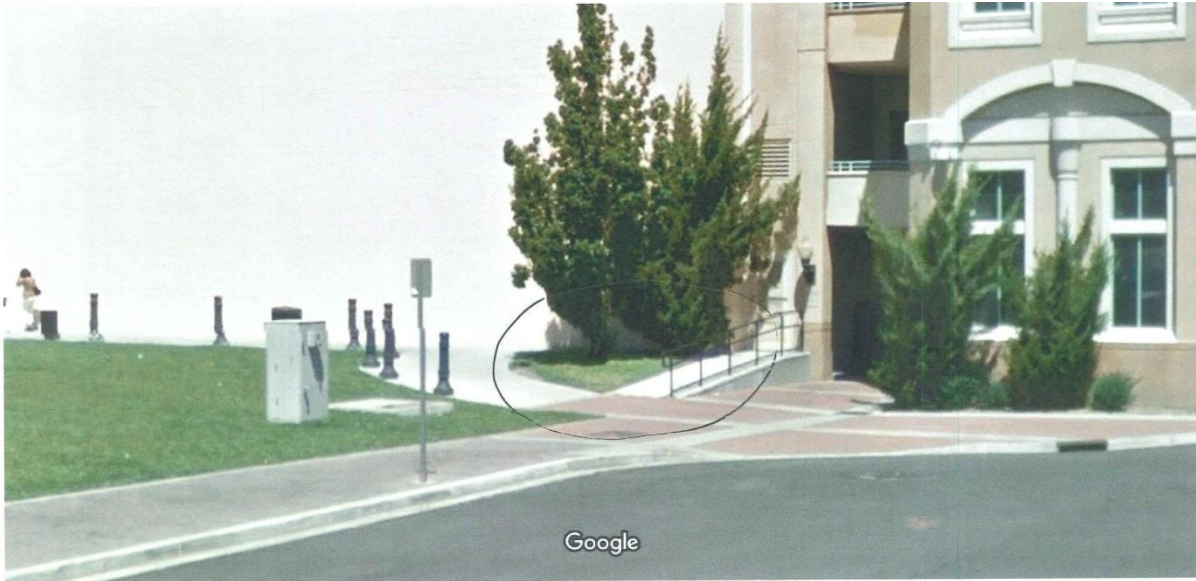
- Extend existing drip running behind the area to cover the Juniper and two shrubs. Cap irrigation line running to this area from one of the valves which also waters the large turf area.

Water savings

- Very minimal (less than 1%) from the water use from this meter.

Expected Material Cost

- \$85



Fire Station 1-1605 Victorian Avenue

Account# 14266

Reason for removal

- This area would look much better with xeriscape than the turf which is currently in place and it would match the landscaping at the Captains office across the street.

Turf area to be removed

- 1600 square feet.

Plan

- Remove 100% of the turf from this area and replace with 8 shrubs. There are currently 3 large trees in this area which will remain.

Retrofit

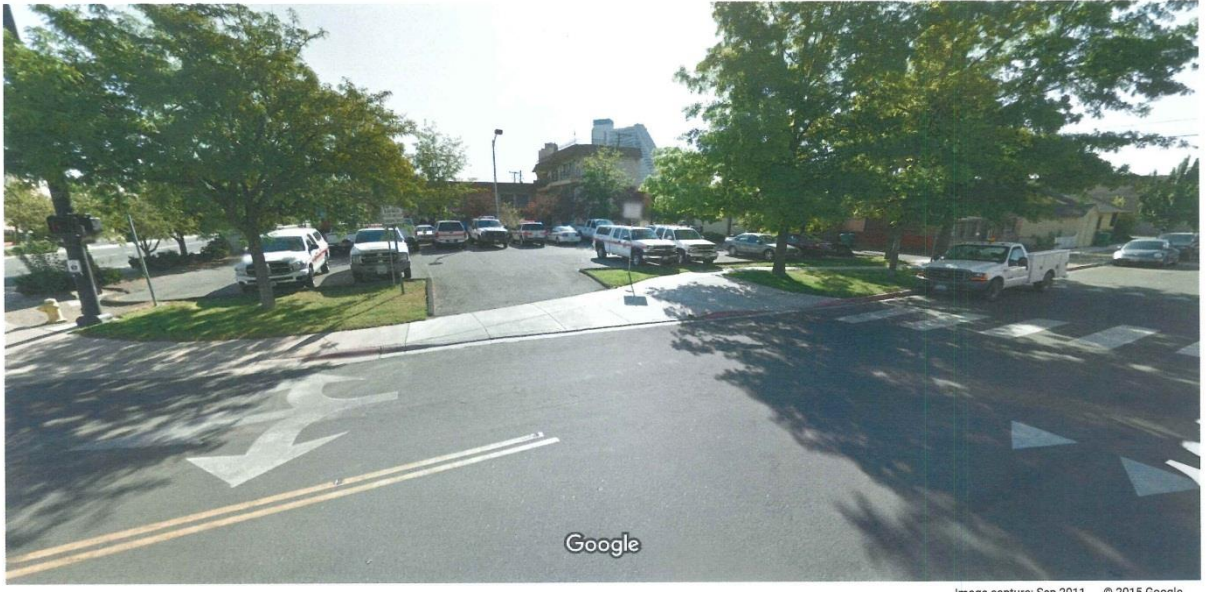
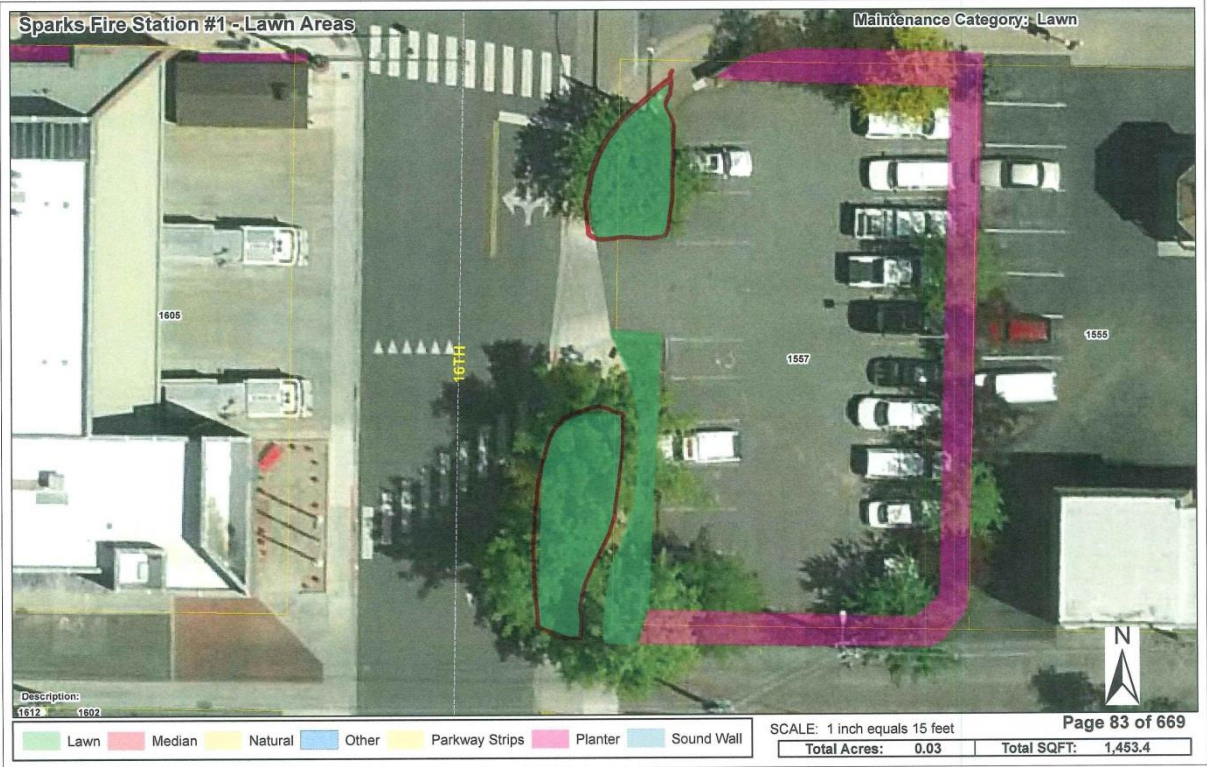
- Eliminate the two 1" turf valves and extend the current drip from the planters at each end of the turf to water the trees and shrubs.

Water savings

- This change would eliminate approximately 4% of the water use from this meter.

Expected Material Cost

- \$800



Del Cobre Park

7990 Via Del Cobre

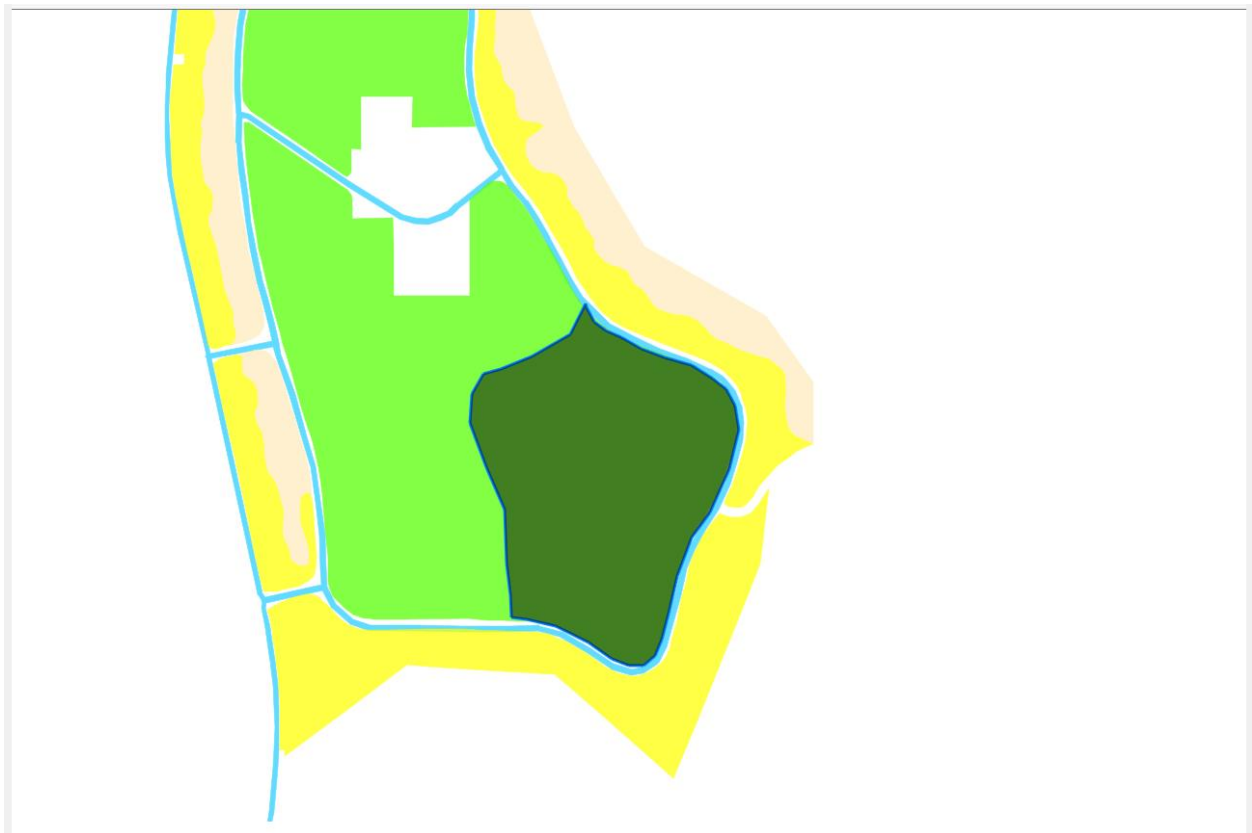
Account# 14209

Propose eliminating .87 acres of turf on the south east side of park as illustrated by the dark green area of the drawing. We will be replacing the turf with DG, trees and low growing plants.

This turf reduction project will save approximately 30% of the annual water usage.

Expected Material Cost

- \$18,948.60



Del
cobre



Jacinto Park

7850 Jacinto

This property is owned by Washoe County School District.

Account# 983924

Area 1

Propose eliminating .28 acres of turf in the center of the park by the playground as illustrated by the dark green area of the drawing. We will be replacing the turf with DG, trees and low growing plants.

This could save 10% of the annual water usage.

Expected Material Cost

- \$6098.40



Jacinto



Jacinto Park

7850 Jacinto

This property is owned by Washoe County School District.

Account# 983924

Area 2

Propose eliminating 525 square feet of turf on the south side of the park near the street as illustrated by the dark green area of the drawing. We will be replacing the turf with DG, and low growing plants.

This could save .4% of the annual water usage.

Expected Material Cost

- \$262.50



Jacinto



Pelican Park

2665 Pride Drive

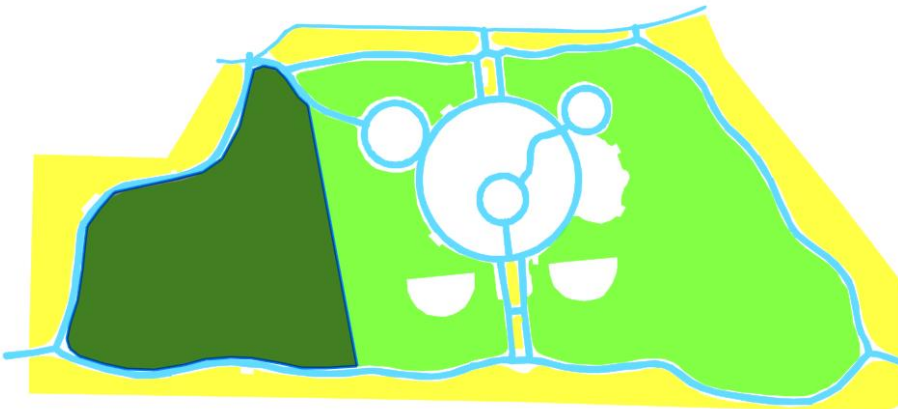
Account# 2282796, 2282804

Propose eliminating .87 acres of turf on the west side of the park as illustrated by the dark green area of the drawing. We will be replacing the turf with DG, trees and low growing plants.

This could save 40% of the annual water usage.

Expected Material Cost

- \$18,948.60



Pelican
Park



Pelican Park



Alf Sorensen Community Center

1400 Baring Blvd.

This property is jointly owned by Washoe County School District and the City of Sparks.

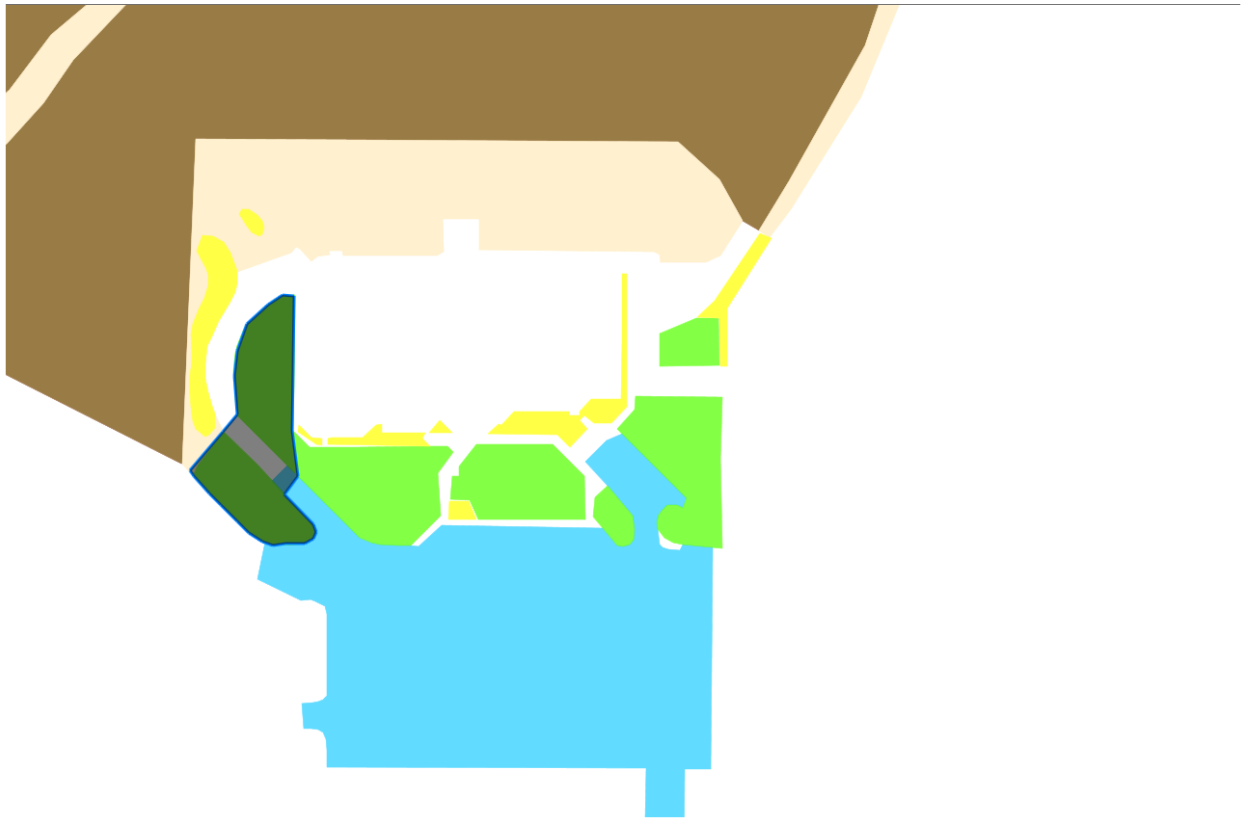
Account# 127399

Propose eliminating .23 acres of turf on the west side of building as illustrated by the dark green area of the drawing. We will be replacing the turf with DG, trees and low growing plants.

This could save 30% of the annual irrigation water usage.

Expected Material Cost

- \$5009.40



Alf
Sorensen



Alf
Sorensen



Red Hawk Park

3215 POCO REY

Account# 1680313

Propose eliminating .16 acres of turf on the east side of park as illustrated by the dark green area of the drawing. We will be replacing the turf with DG, trees and low growing plants.

This could save 28% of the annual water usage.

Expected Material Cost

- \$3484.80



Red
Hawk



Red
Hawk



Rose Garden Park

6195 Wingfield Springs Road

Account# 1423078

.16 acres of turf

Propose eliminating all turf in the park as illustrated by the green area of the drawing. We will be replacing the turf with DG, trees and low growing plants.

This could save 70% of the annual water usage.

Expected Material Cost

- \$3484.80



Rose
Garden



Rose
Garden



Rose
Garden



City Hall

431 Prater Way

Account# 34397

Area 1

Propose eliminating .23 acres of turf on the north side of complex next to Prater Way as illustrated by the dark green area of the drawing. We will be replacing the turf with DG, trees and low growing plants.

This could save 18% of the annual irrigation water usage.

Expected Material Cost

- \$5009.40



City Hall

1



City Hall

431 Prater Way

Account# 34397

Area 2

Propose eliminating .14 acres of turf on the west side of complex next to front door parking as illustrated by the dark green area of the drawing. We will be replacing the turf with DG, trees and low growing plants.

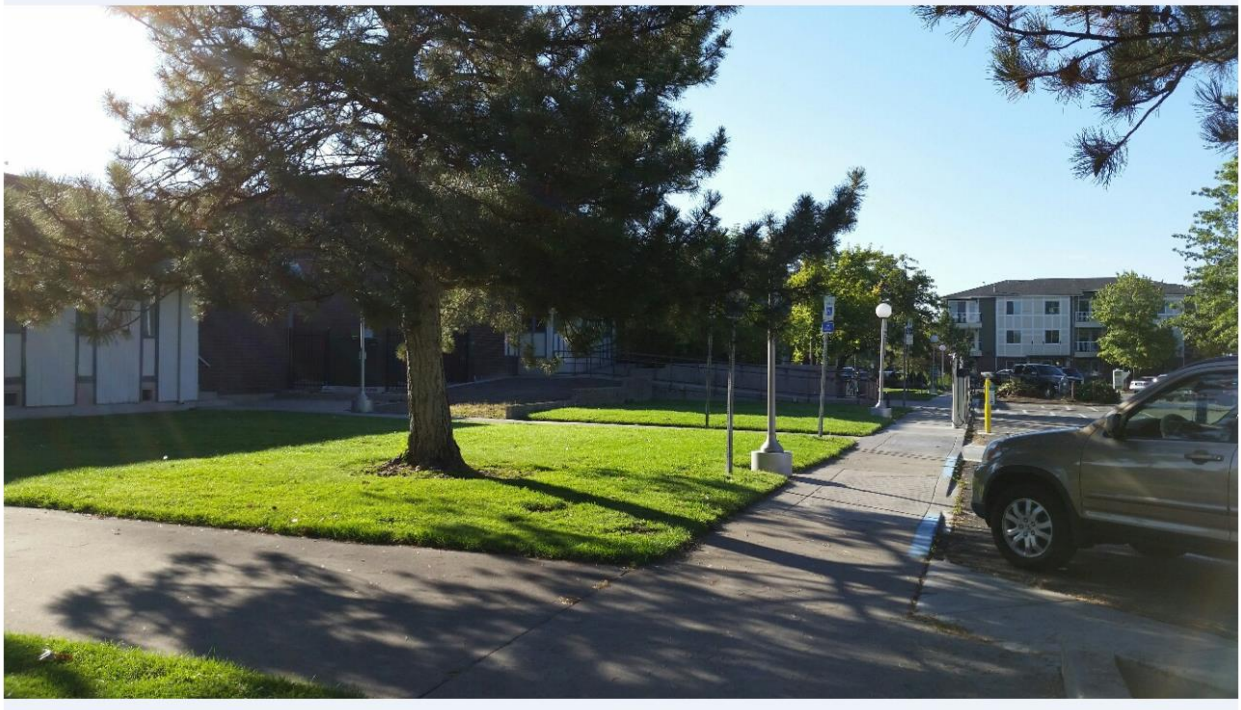
This could save 11% of the annual irrigation water usage.

Expected Material Cost

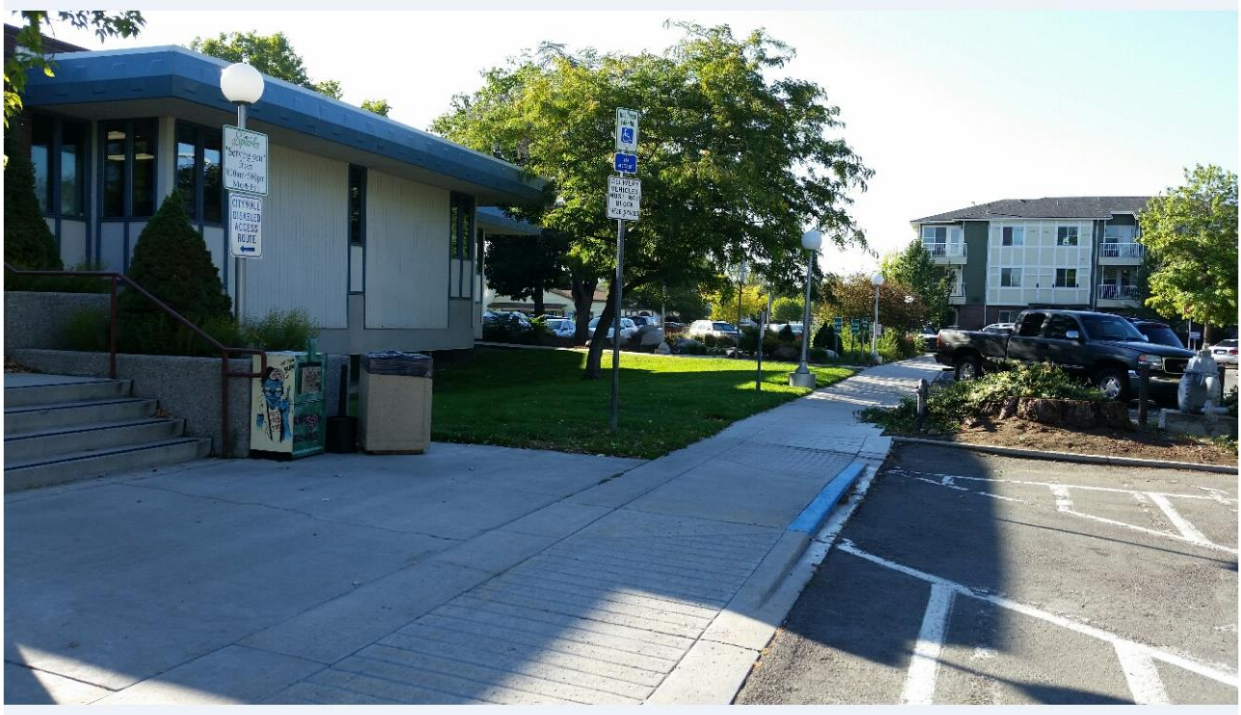
- \$3049.20



City Hall
2



City Hall
2



McCarran & Prater Landscaping 701 E. Prater Way

Reason for removal

- Not a park setting – this is ornamental turf. Water savings.
Reduced maintenance manpower and cost.

Turf area to be removed

- 16,271.8 square feet.

Plan

- Remove 100% of the turf. Install Xeriscaping.

Retrofit

- Eliminate three 1" irrigation valves and replace three 1" irrigation valves with new low flow valves and install drip to the new Xeriscaping

Water savings

- This change would eliminate approximately 80% of the water use from this meter.

Meter number

- 35785071

Expected Material Cost

- \$8135.90

Account# 2194694

This property is owned by the State of Nevada.



Police Station – 1701 E. Prater Way

Reason for removal

- Not a park setting – this is ornamental turf and is located next to hardscape. Water savings. Reduced maintenance manpower and cost.

Turf area to be removed

- 9,370.1 square feet.

Plan

- Remove 100% of the turf. Convert 1,000 sf. to Hardscape. Install Xeriscaping in the rest of the areas.

Retrofit

- Eliminate two 1" irrigation valves and replace two 1" irrigation valves with new low flow valves and install drip to the new trees and shrubs.

Water savings

- This change would eliminate approximately 70% of the water use from this meter and will reduce runoff on the hardscape.

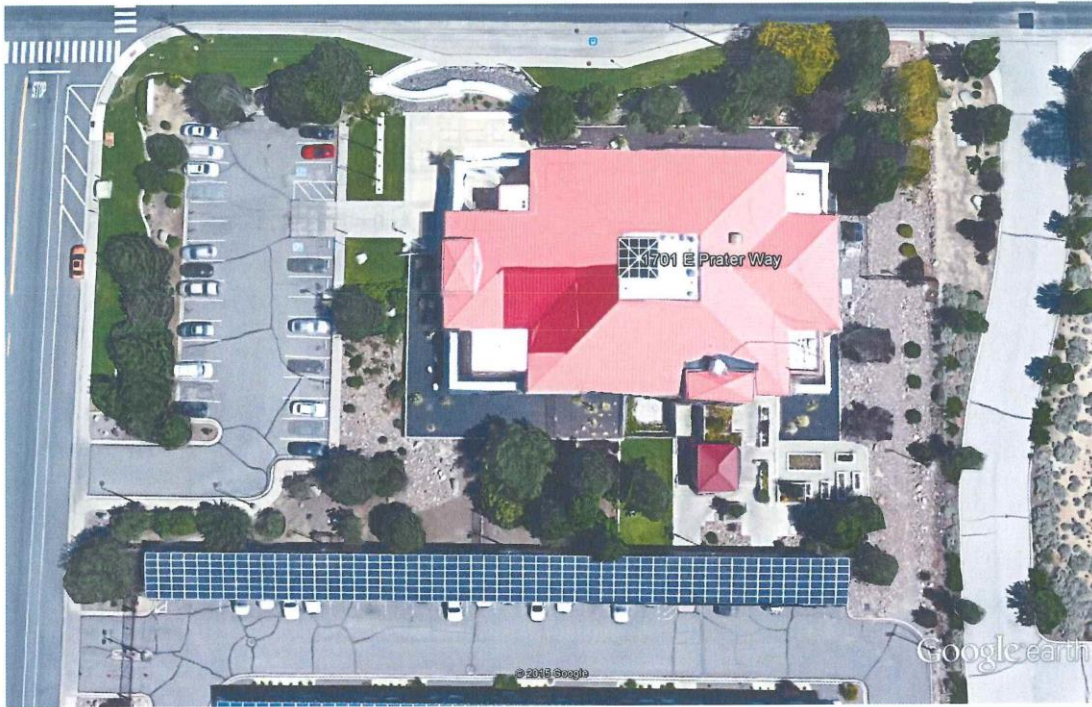
Meter number

- 29126885

Expected Material Cost

- \$4685.05

Account# 104109



Fire Station #4 – 1410 Disc Dr.

Reason for removal

- Not a park setting – this is ornamental turf and is located next to hardscape. Water savings. Reduced maintenance manpower and cost.

Turf area to be removed

- 4,787.5 square feet.

Plan

- Remove 100% of the turf. Continue with the existing Xeriscaping theme.

Retrofit

- Eliminate one 1" irrigation valve and replace two 1" irrigation valves with new low flow valves and install drip to the new trees and shrubs.

Water savings

- This change would eliminate approximately 80% of the water use from this meter and will reduce runoff on the hardscape.

Meter number

- 19090472

Expected Material Cost

- \$2393.75

Account# 120402



Rec Center – 98 Richards Way

Reason for removal

- Not a park setting – this is ornamental turf and is located next to hardscape. Water savings. Reduced maintenance manpower and cost.

Turf area to be removed

- 4,380 square feet.

Plan

- Remove 100% of the turf along the street and replace with 1 tree and 10 shrubs and cover with 2" of DG. Remove 100% of the turf next to the building and hardscape.

Retrofit

- Eliminate one 1" irrigation valve and replace two 1" irrigation valves with new low flow valves and install drip to the new tree, shrubs and existing trees.

Water savings

- This change would eliminate approximately 6% of the water use from this meter and will reduce runoff on the hardscape.

Meter number

- 12322684

Expected Material Cost

- \$2190

Account# 127381

