



Maintenance Division
Turf Reduction Plan

What is this about?

- The Maintenance division is looking at reducing or eliminating certain turf areas to save labor costs and water resources.
- Most of the following turf areas have little park area value, and are labor intensive to maintain.
- The turf removed will be replaced with xeriscaping; DG, trees, and shrubs.
- All of the following parks are irrigated with domestic water.

Why now?

- The City has been awarded an in kind grant from TMWA in the amount of \$99,835.40 to pay for the materials.
- We are in a drought, and Sparks needs to do its part for the community.
- This is a good opportunity to get citizen “buy in”.
- The City is adding more park space and we need to reallocate our limited resources in order to maintain the additional infrastructure.

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

McCarran and Prater Way



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

Sparks Police Department - 1701 E. Prater Way



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

Fire Station#4 – 1410 Disc Drive



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

Rec Center – 98 Richards Way



Victorian Plaza Circle – 11th to 14th Streets

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

- 2,900 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.

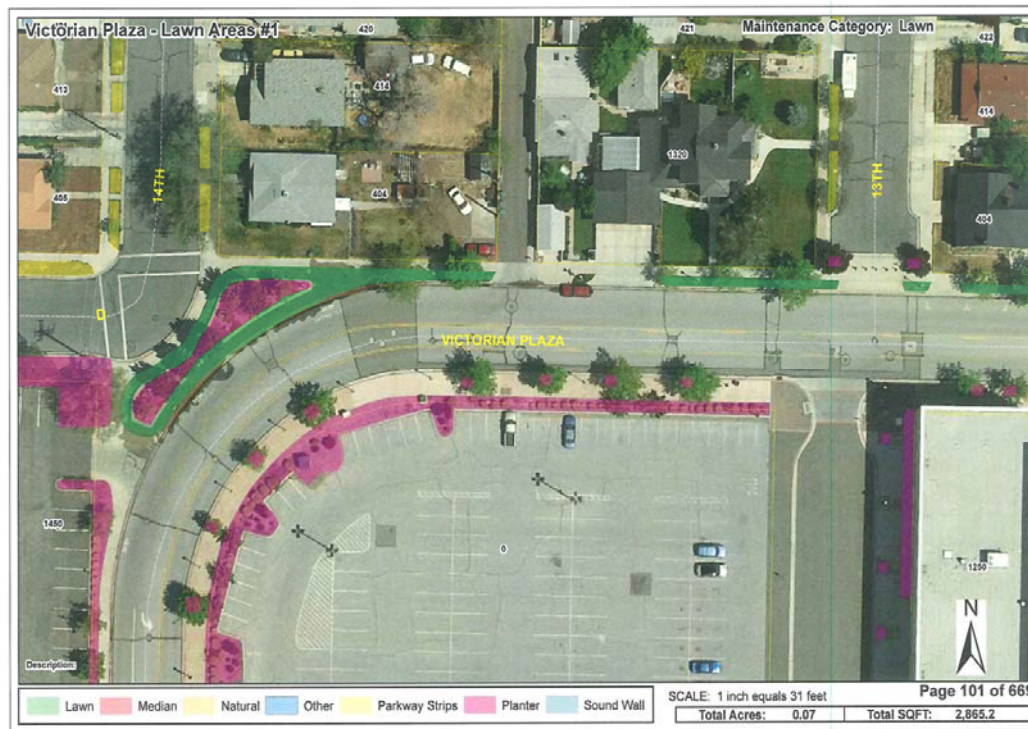
Retrofit

- 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%.

Victorian Plaza Circle – 11th to 14th Streets



Victorian Plaza - Lawn Areas #2

Maintenance Category: Lawn



Description:

- Lawn
- Median
- Natural
- Other
- Parkway Strips
- Planter
- Sound Wall

SCALE: 1 inch equals 19 feet

Total Acres:	0.02	Total SQFT:	761.4
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Vic. Plaza East - Lawn Areas

Maintenance Category: Lawn



Description:



SCALE: 1 inch equals 27 feet

Total Acres:	0.06	Total SQFT:	2,418.7
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Fishermans Park – 555 Galletti Way

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 2" of DG.

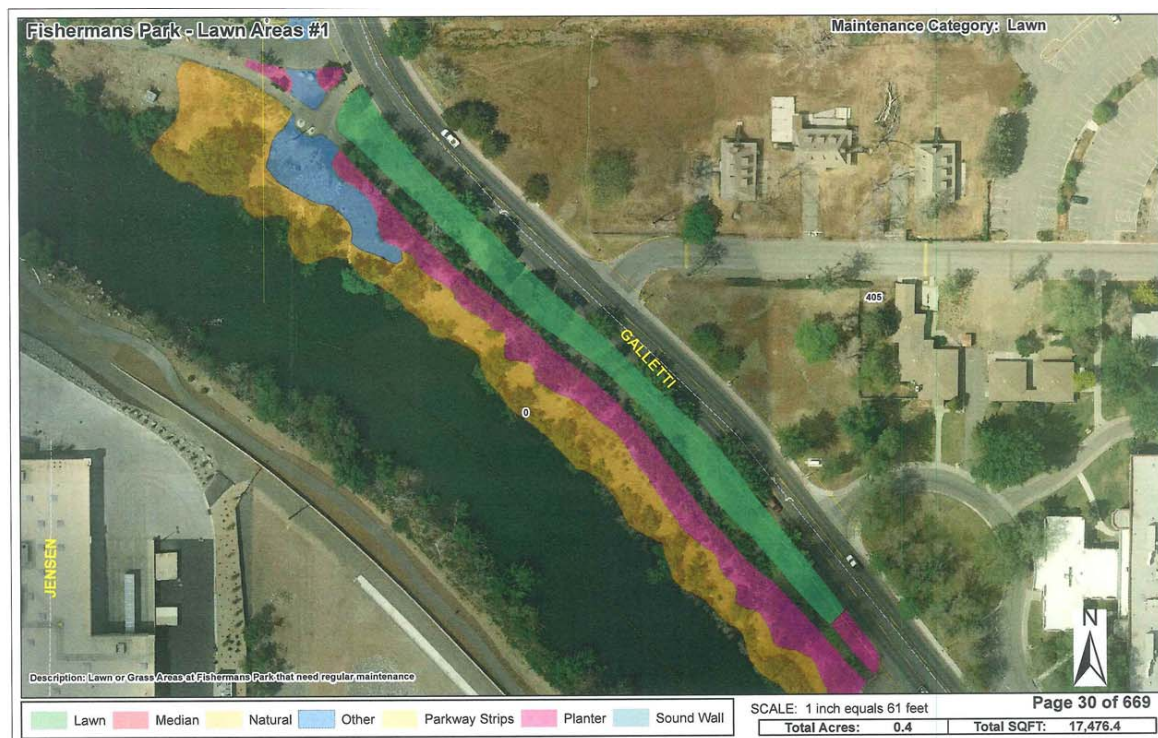
Retrofit

- 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.

Fisherman's Park – 555 Galletti Way



Fishermans Park - Lawn Areas #2

Maintenance Category: Lawn



Description: Lawn or Grass Areas at Fishermans Park that need regular maintenance



SCALE: 1 inch equals 51 feet

Total Acres:	0.26	Total SQFT:	11,229.4
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711 Turf – 710 Baring Blvd.

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.

7-11 Turf – 710 Baring Blvd



15th and C Street Turf – 1500 C Street

Reason for removal

- This turf area is in front of residences and is ornamental. Neither the public or 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.

15th and C Street Turf – 1500 C Street



Theater Turf – 1200 Avenue of the Oaks

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" 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.

Theatre Turf – 1200 Avenue of the Oaks



Fire Station 1 – 1605 Victorian Avenue

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

- 1,600 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.

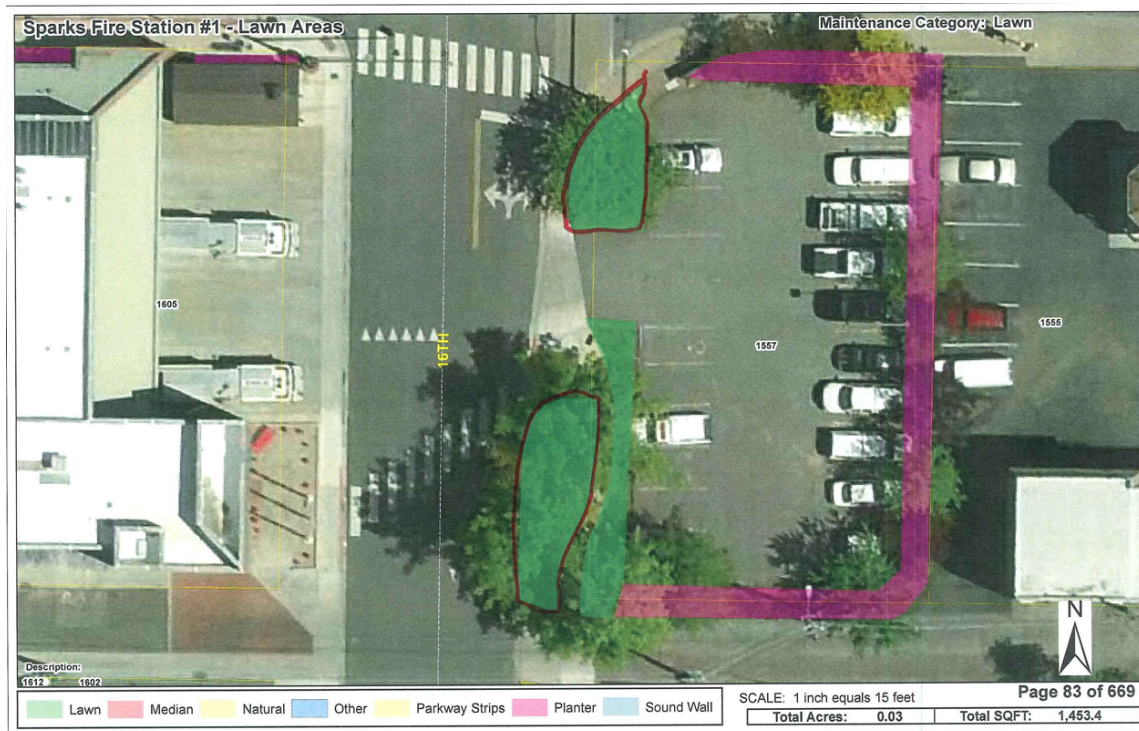
Retrofit

- 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.

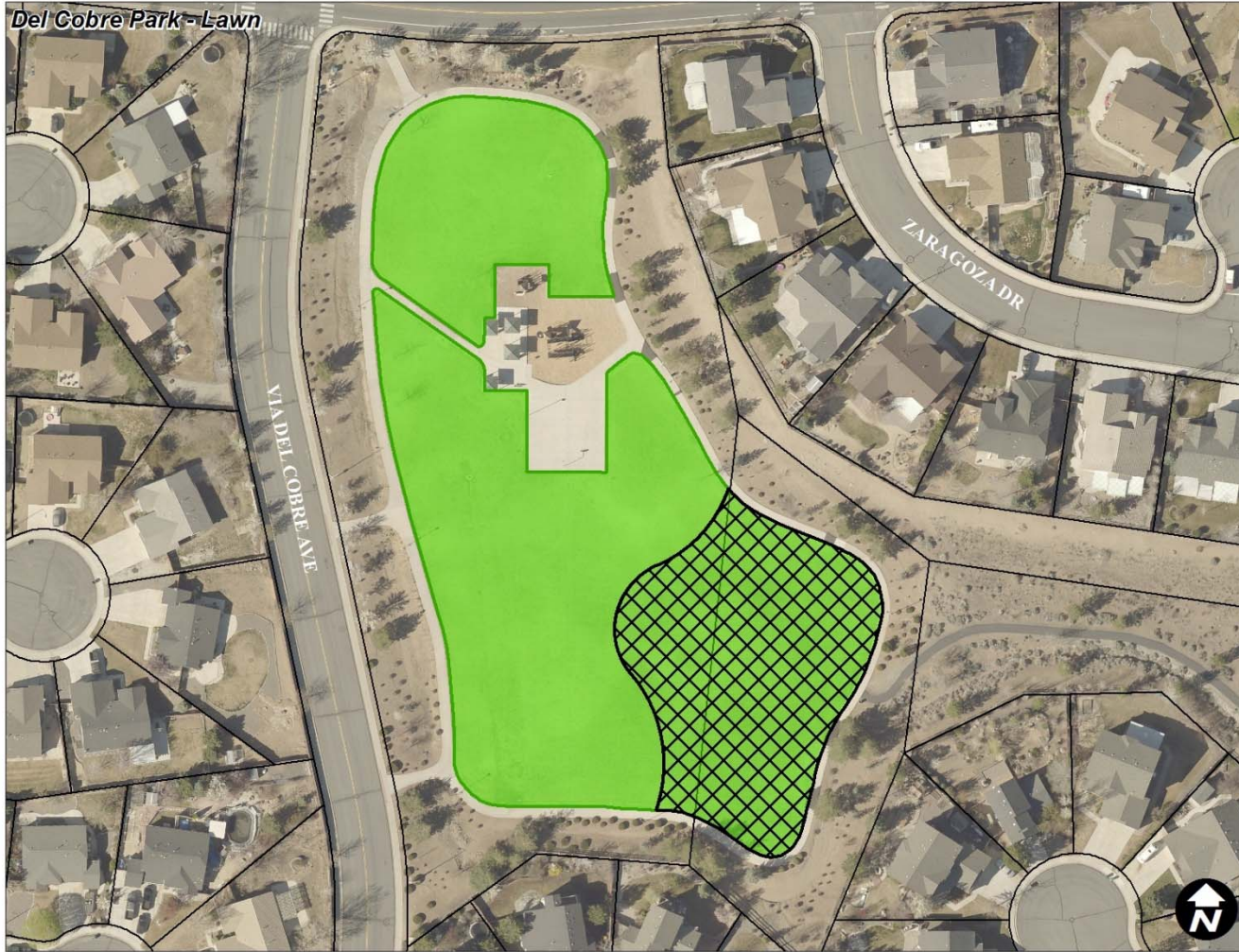
Fire Station #1 – 1605 Victorian Avenue



Del Cobre Park – 7990 Via Del Cobre

- Propose eliminating .87 acres of turf on the south east side of park as illustrated by the dark green area of the drawing. Replacing the turf with DG, trees and low growing plants.
- Could save about 30% of the annual water usage.

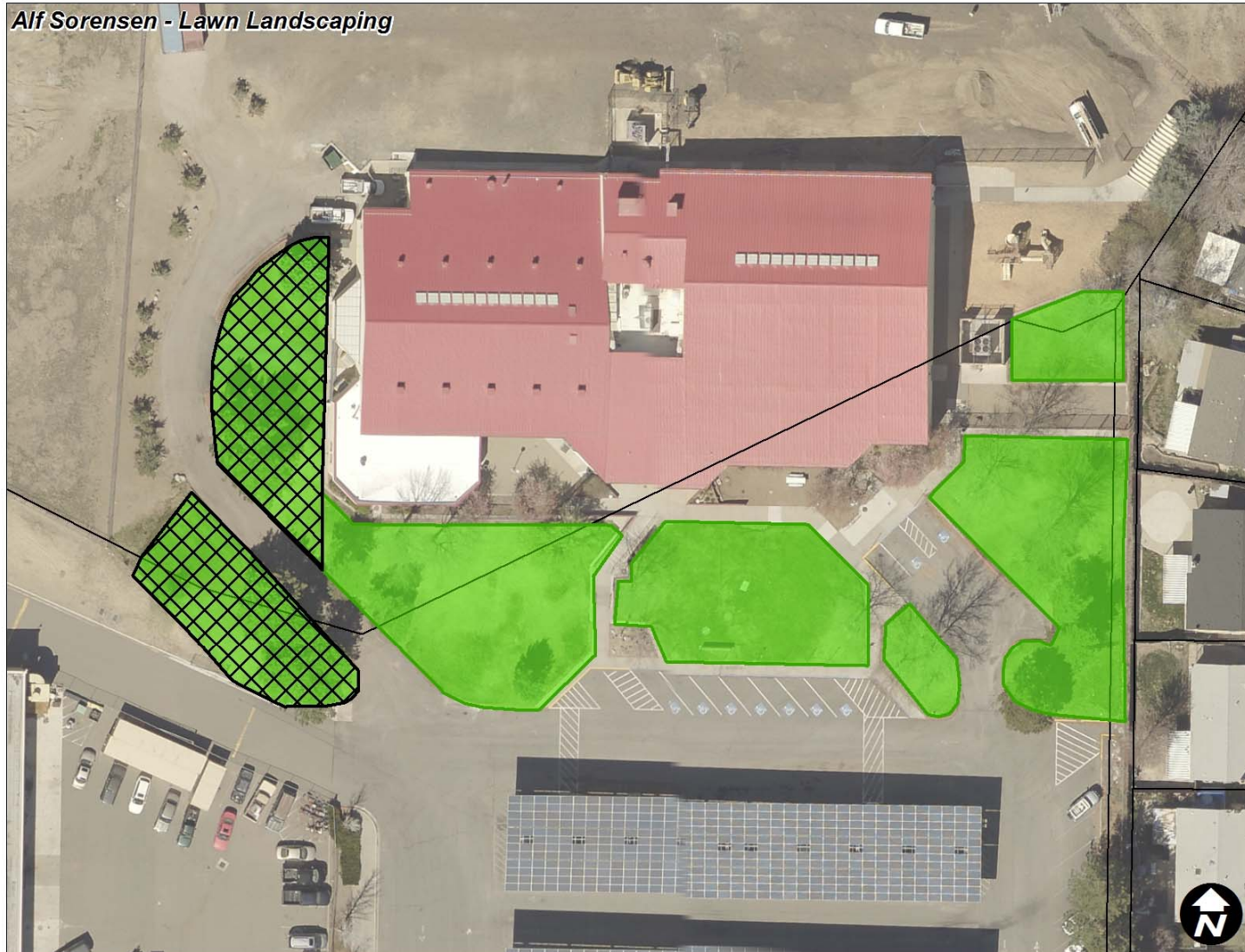
Del Cobre Park - Lawn



Alf Sorensen Community Center – 1400 Baring Blvd.

- .76 acres of turf
- Propose eliminating .23 acres of turf on the west side of building as illustrated by the dark green area of the drawing. Replacing the turf with DG, trees and low growing plants.
- This could save 30% of the annual irrigation water usage.

Alf Sorensen - Lawn Landscaping





Red Hawk Park – 3215 Poco Rey

- .4 acres of turf
- Propose eliminating .16 acres of turf on the east side of park as illustrated by the dark green area of the drawing.
Replacing the turf with DG, trees and low growing plants.
- This could save 28% of the annual water usage.

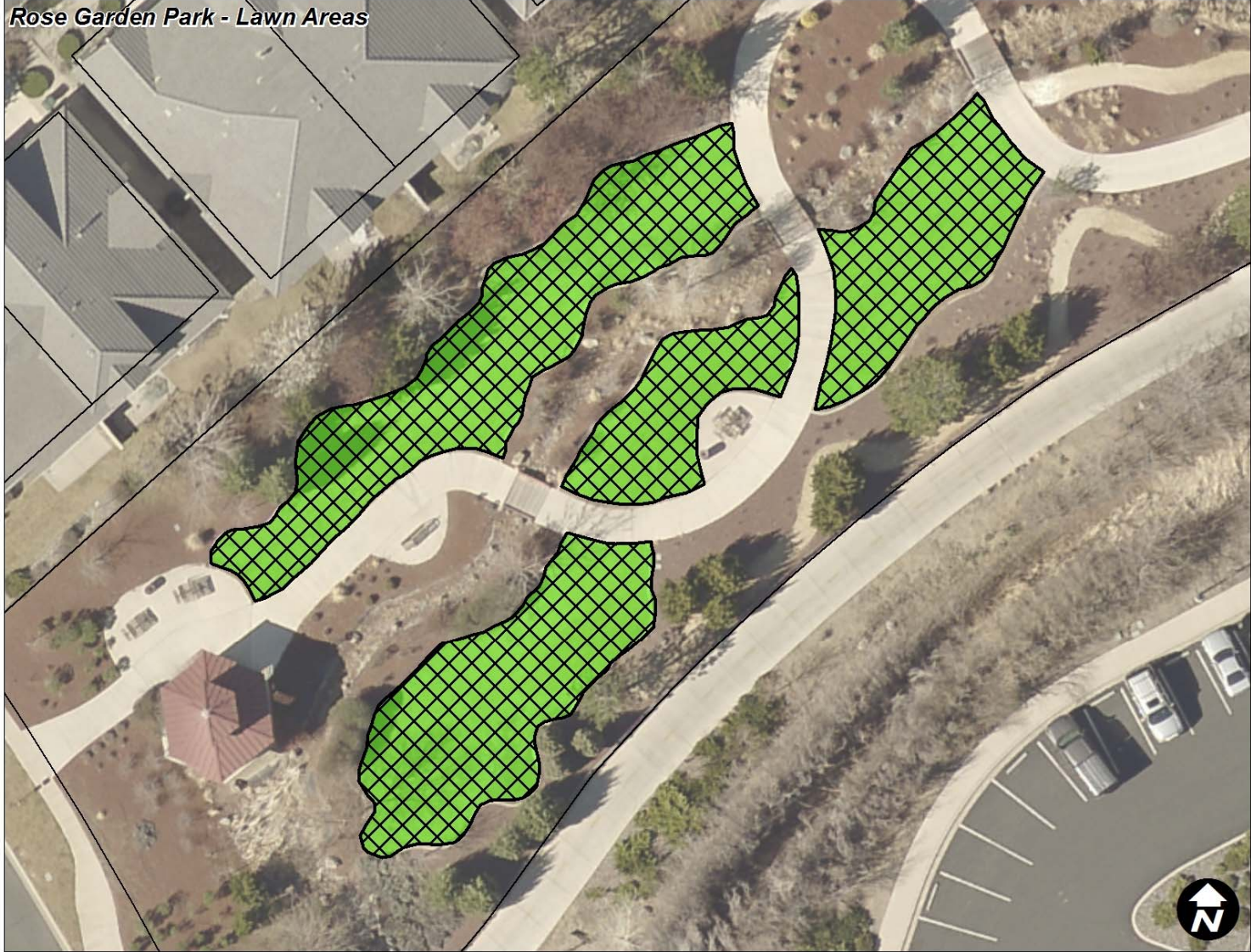
Red Hawk Park - Lawn



Rose Garden Park – 6195 Wingfield Springs Road

- .16 acres of turf
- Propose eliminating all turf in the park as illustrated by the green area of the drawing. Replacing the turf with DG, trees and low growing plants.
- This could save 70% of the annual water usage.

Rose Garden Park - Lawn Areas



City Hall – 431 Prater Way

- 1.28 acres of turf
- 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. Replacing the turf with DG, trees and low growing plants.
- This could save 18% of the annual irrigation water usage.

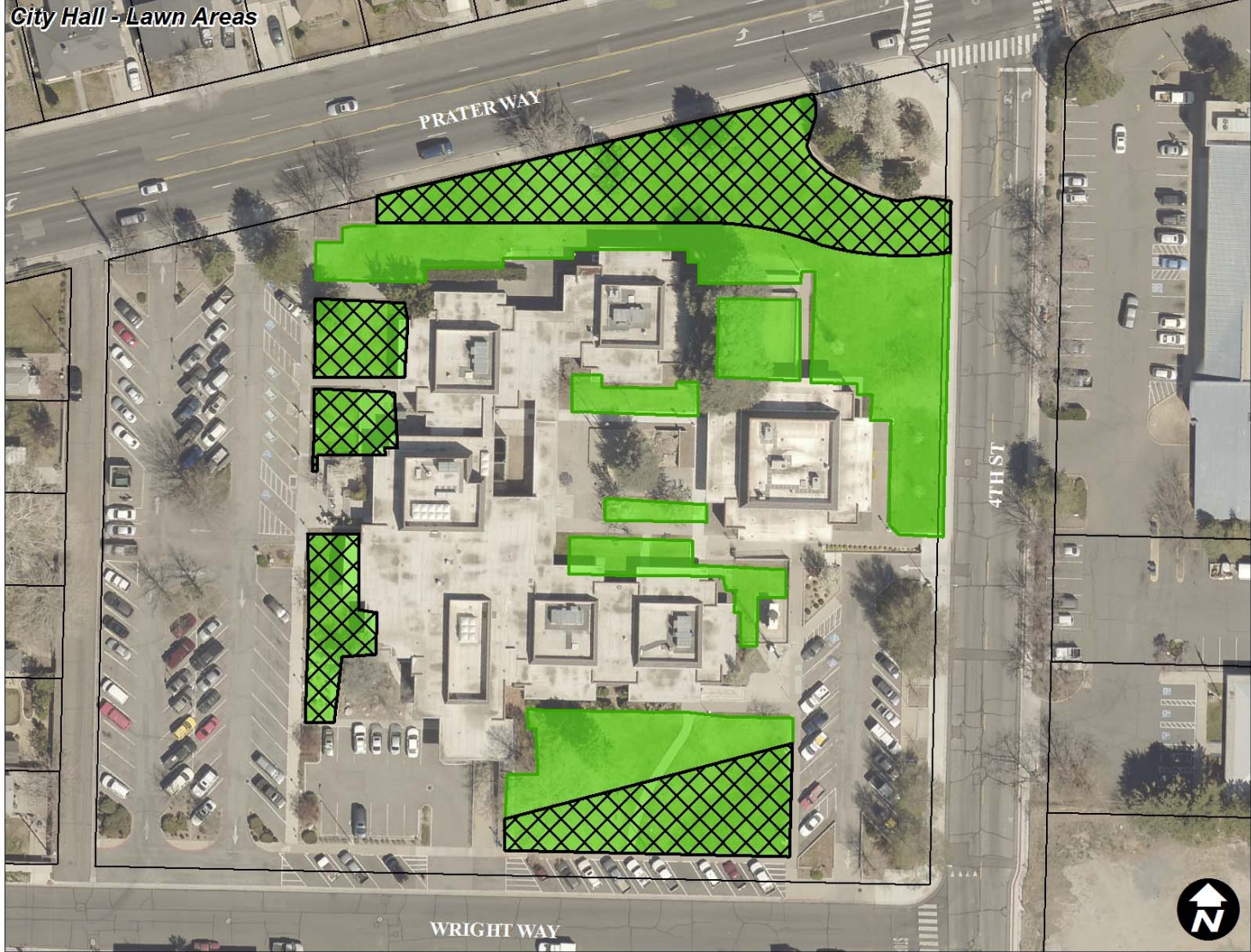
City Hall 431 Prater Way

- 1.28 acres of turf
- Area 2
- Propose eliminating .13 acres of turf on the south side of complex next to Wright Way parking as illustrated by the dark green area of the drawing. Replacing the turf with DG, trees and low growing plants.
- This could save 10% of the annual irrigation water usage.

City Hall – 431 Prater Way

- 1.28 acres of turf
- Area 3
- 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. Replacing the turf with DG, trees and low growing plants.
- This could save 11% of the annual irrigation water usage.

City Hall - Lawn Areas



PRATER WAY

4TH ST

WRIGHT WAY



Questions?

