

# Cirrus Sky Trail Public Open House February 25, 2016

City of Laramie  
Department of Parks and Recreation



*Western*  
Research & Development, Ltd.

Planning, Surveying, Civil Engineering



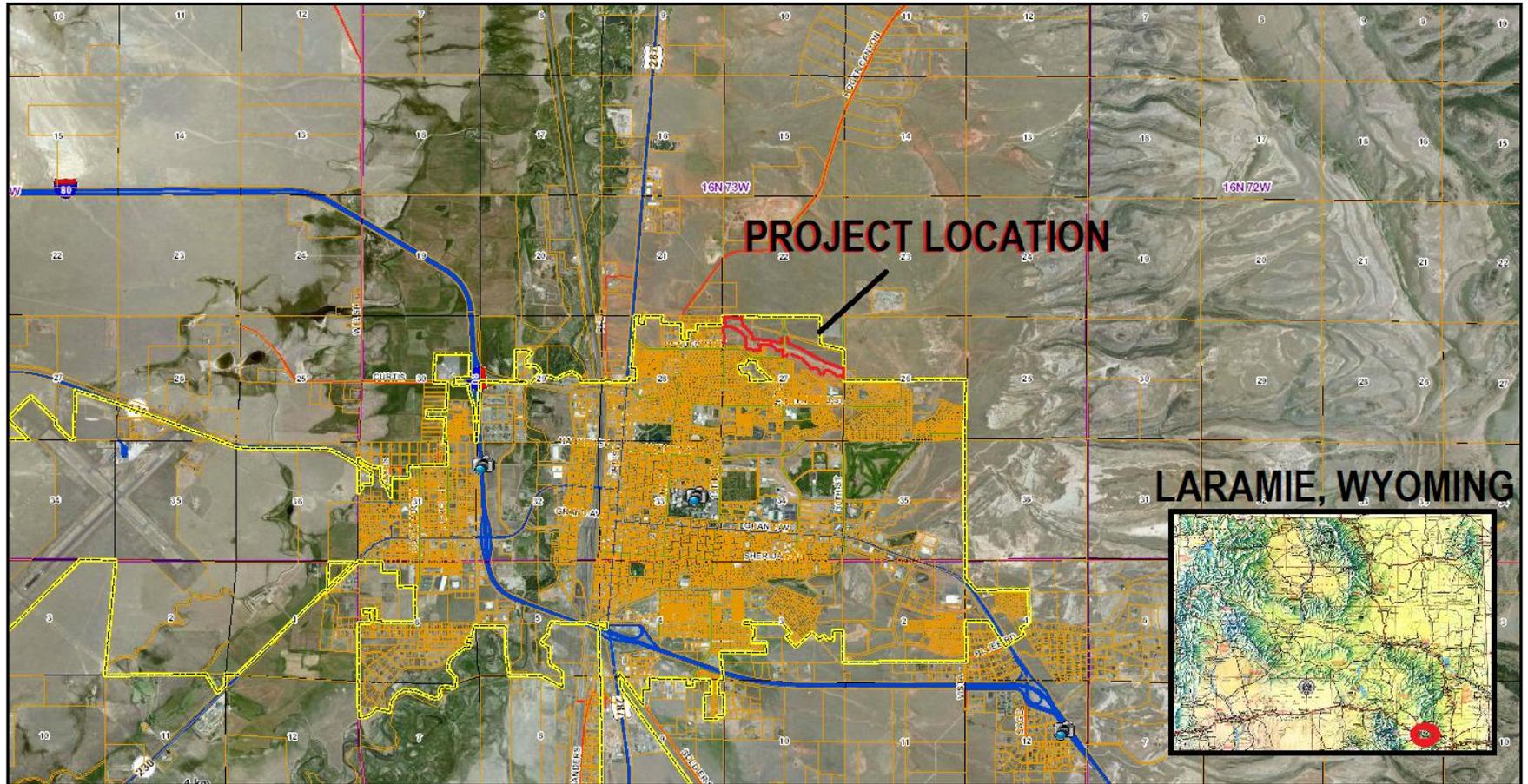
**Lord C** Consulting, LLC  
- Trail Engineering Design

*Lisa*  
LISA CAMERON RUSSELL

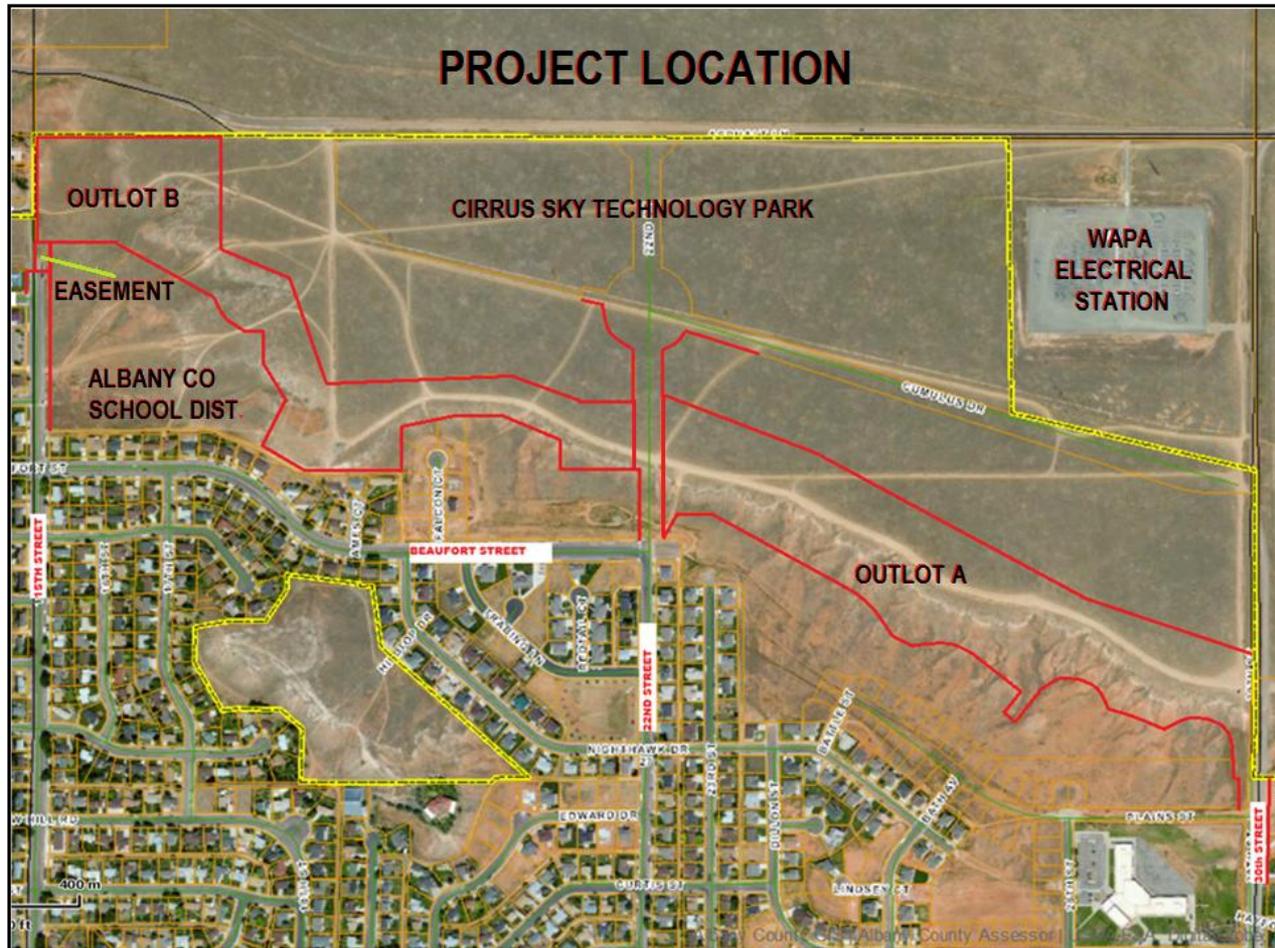
**Terracon**

**m** russell+mills  
studios

# 2016



# 2016



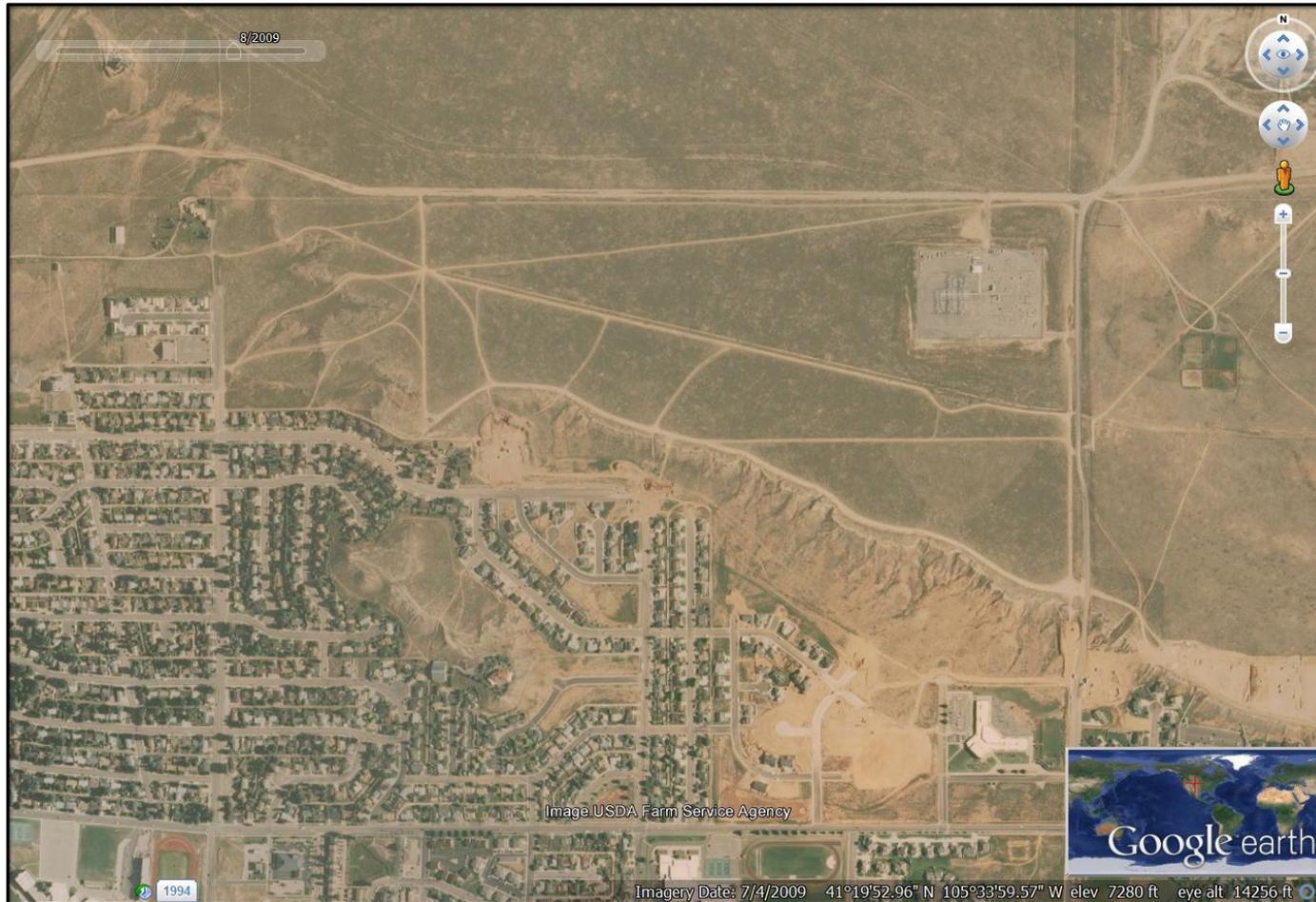
# 1994



# 2006



# 2009



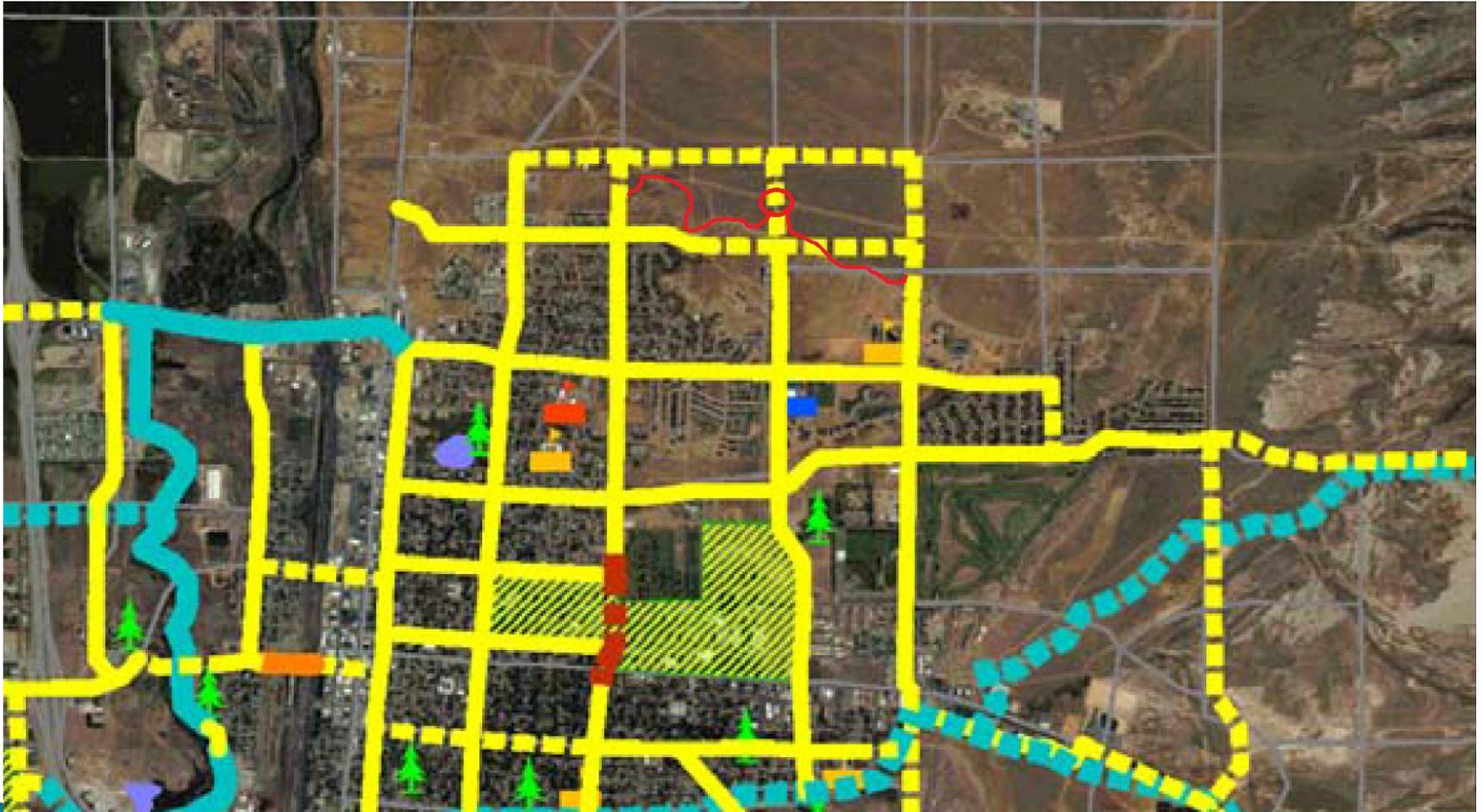
# 2012



# 2015

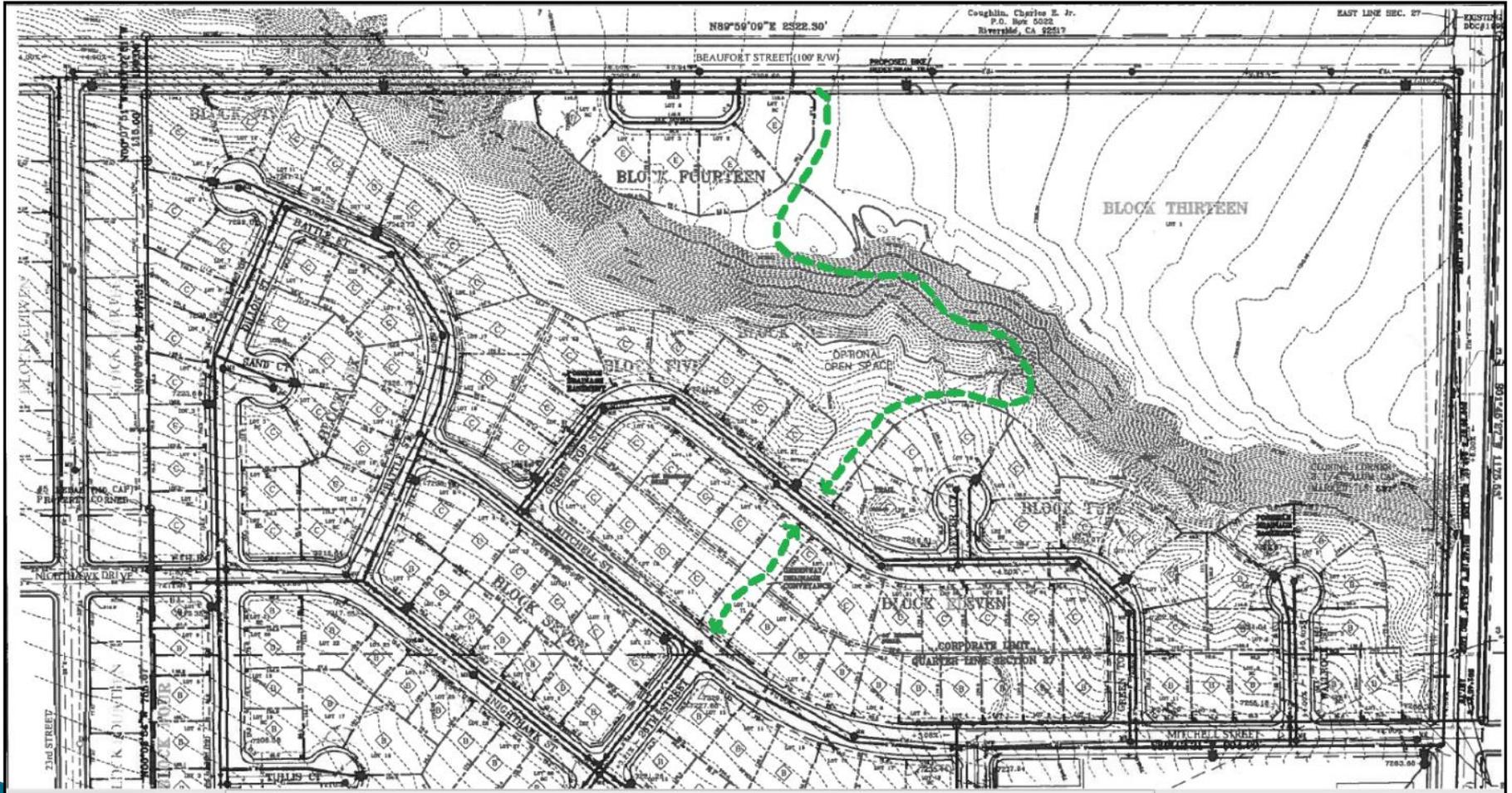


1998

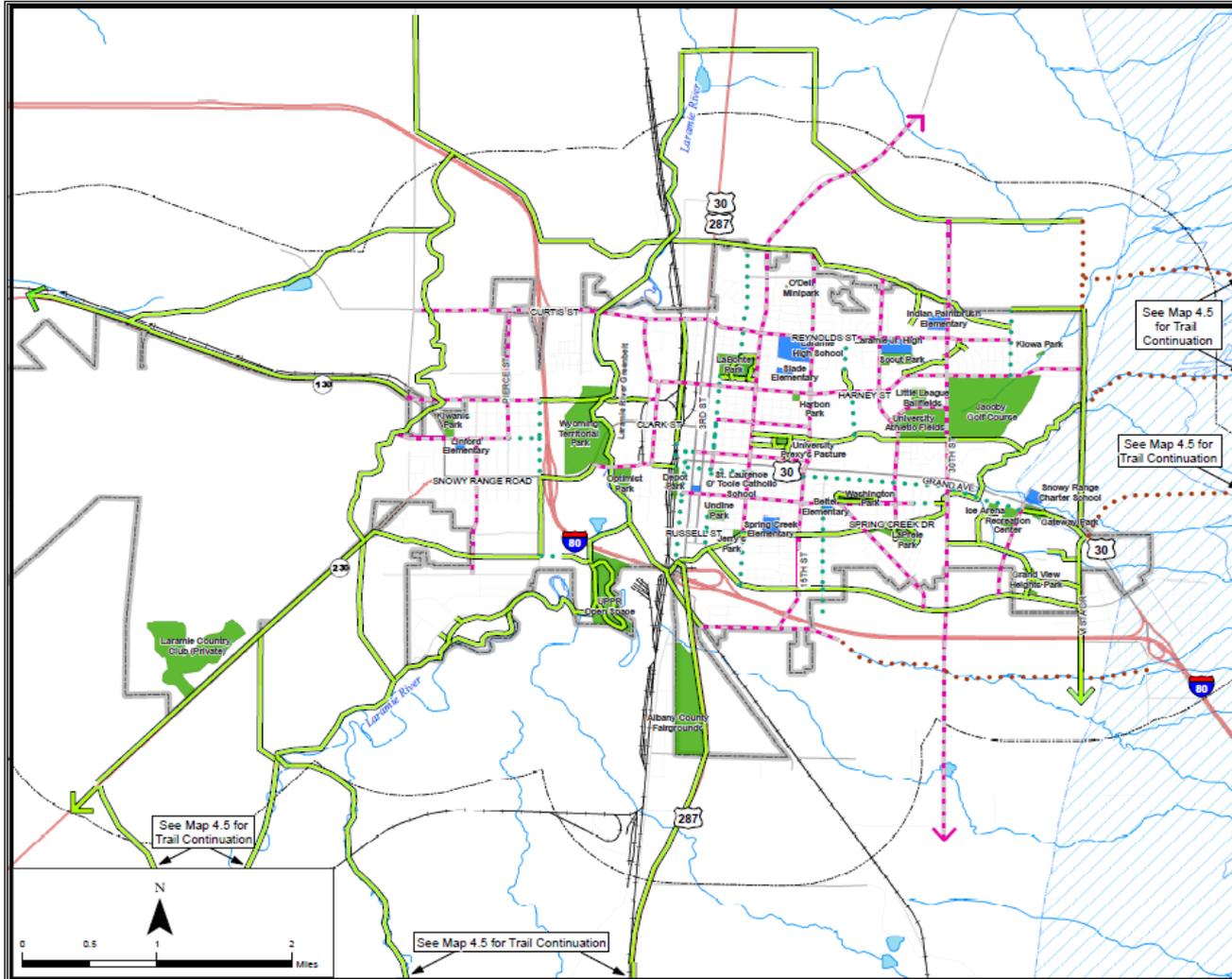




# 2006



# 2007



THE  
LARAMIE  
COMPREHENSIVE  
PLAN

## Map 4.4 Bicycle and Trails Master Plan

### Legend

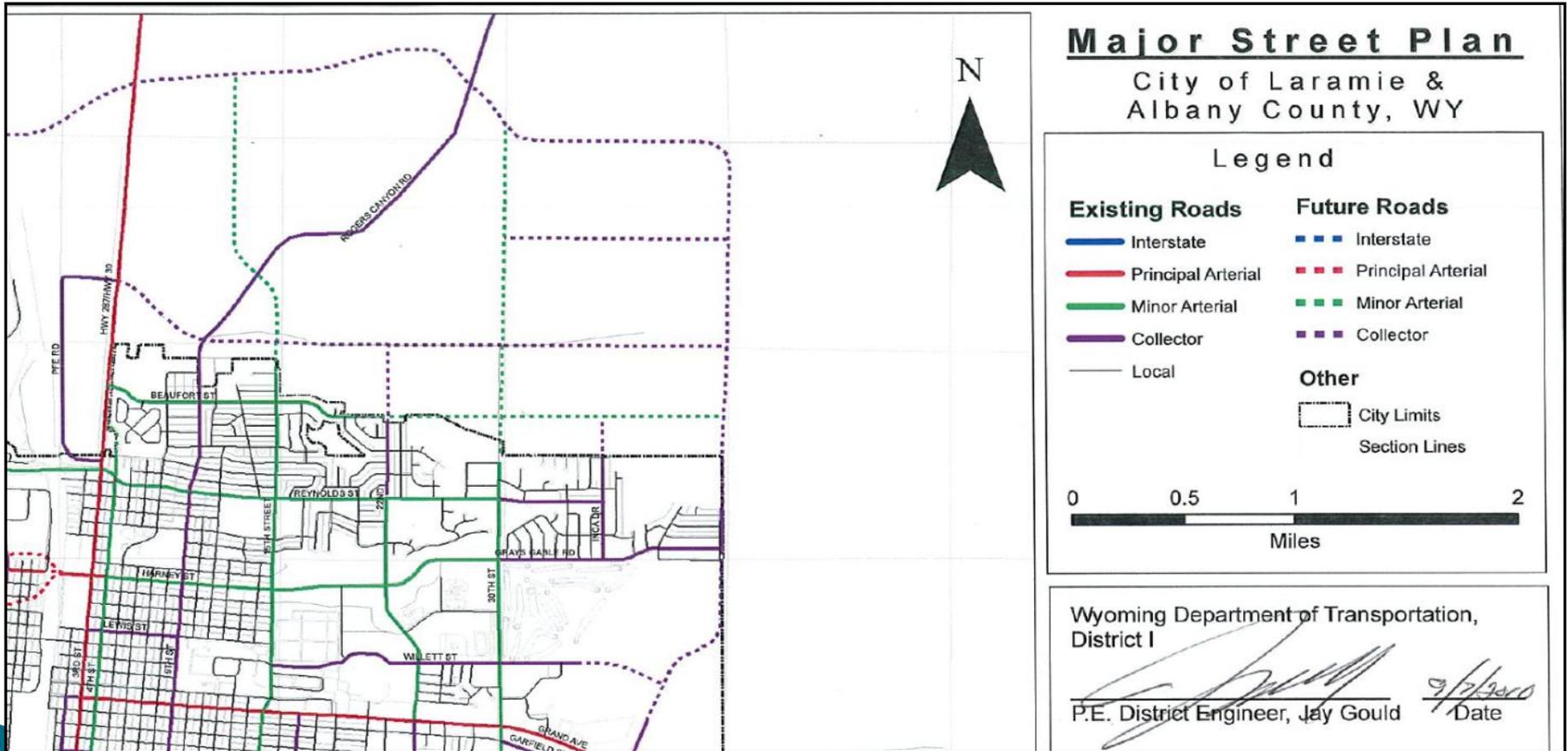
- City Limits
- Local Roads
- Collectors / Arterial Roads
- Interstates / Highways
- 1-Mile Planning Area
- Parks and Recreation Areas
- School
- Streams
- Railroad
- Casper Aquifer Protection Area

### Future Trails, Paths and Bikeways

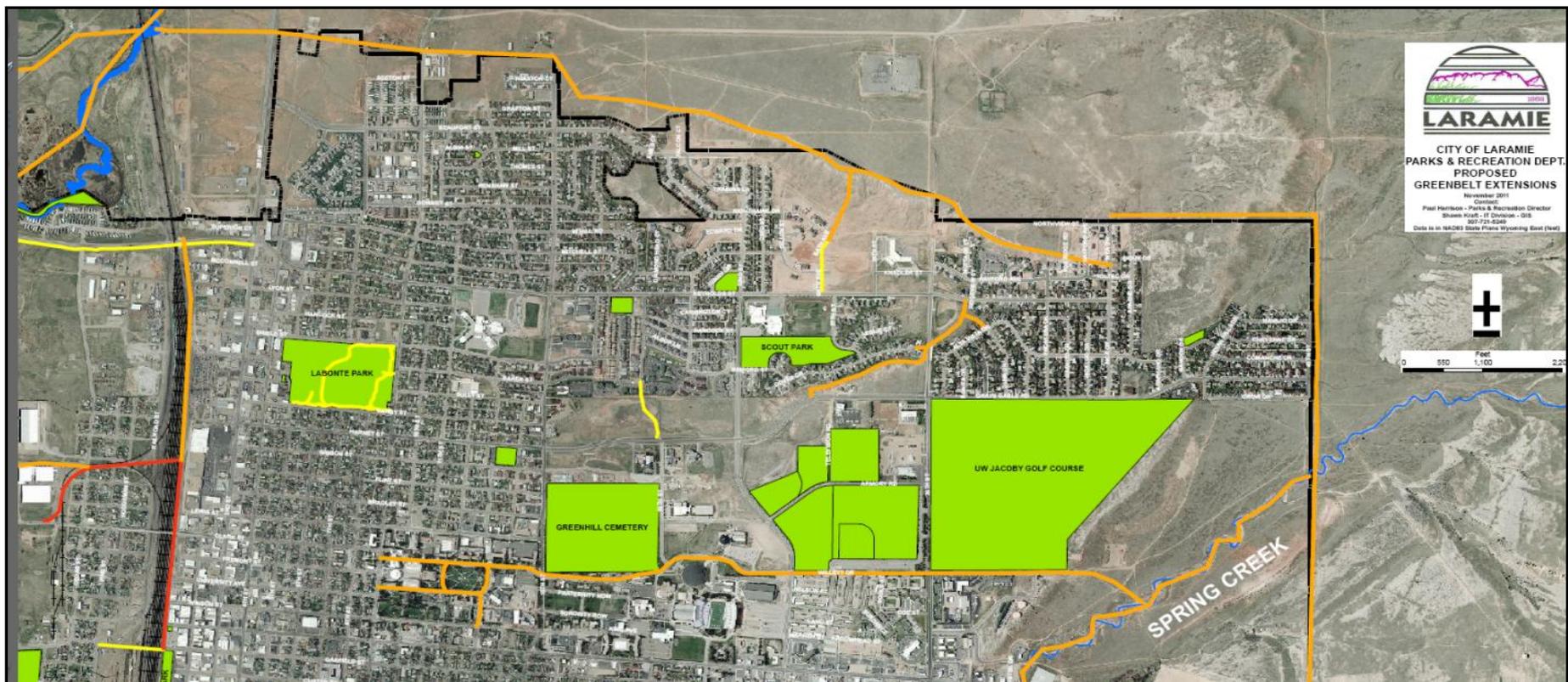
- Class 1 (Paved surface separate from any road)
- Class 2 (Marked bike lane with signage)
- Class 3 (Designated Route, signage only)
- Rural Trail (Unimproved / Improved Surface)



# 2010



# 2011



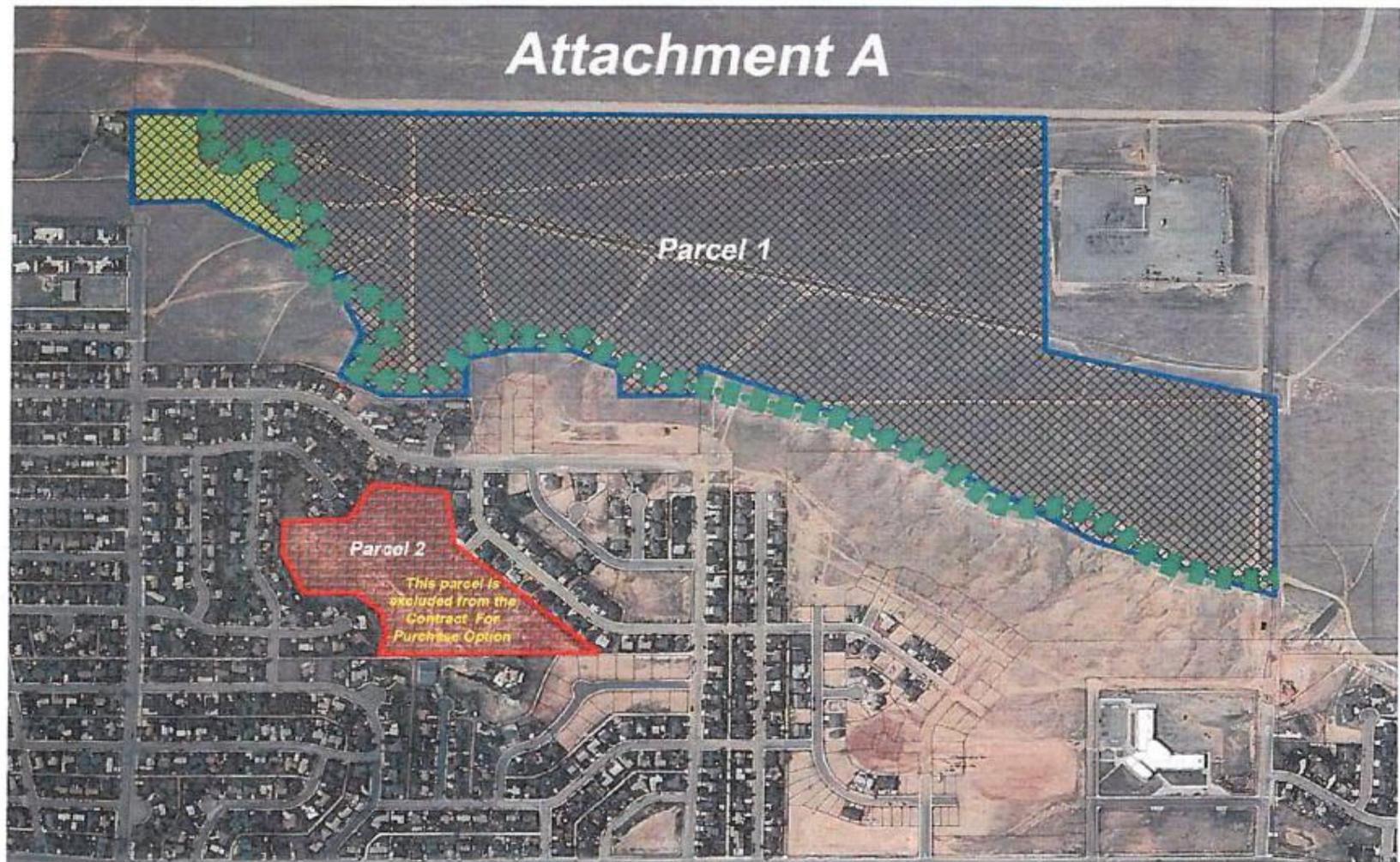


# 2012



# 2012

## Attachment A



Coughlin Purchase



Parcel 1



100' Trail Corridor (Approximate)



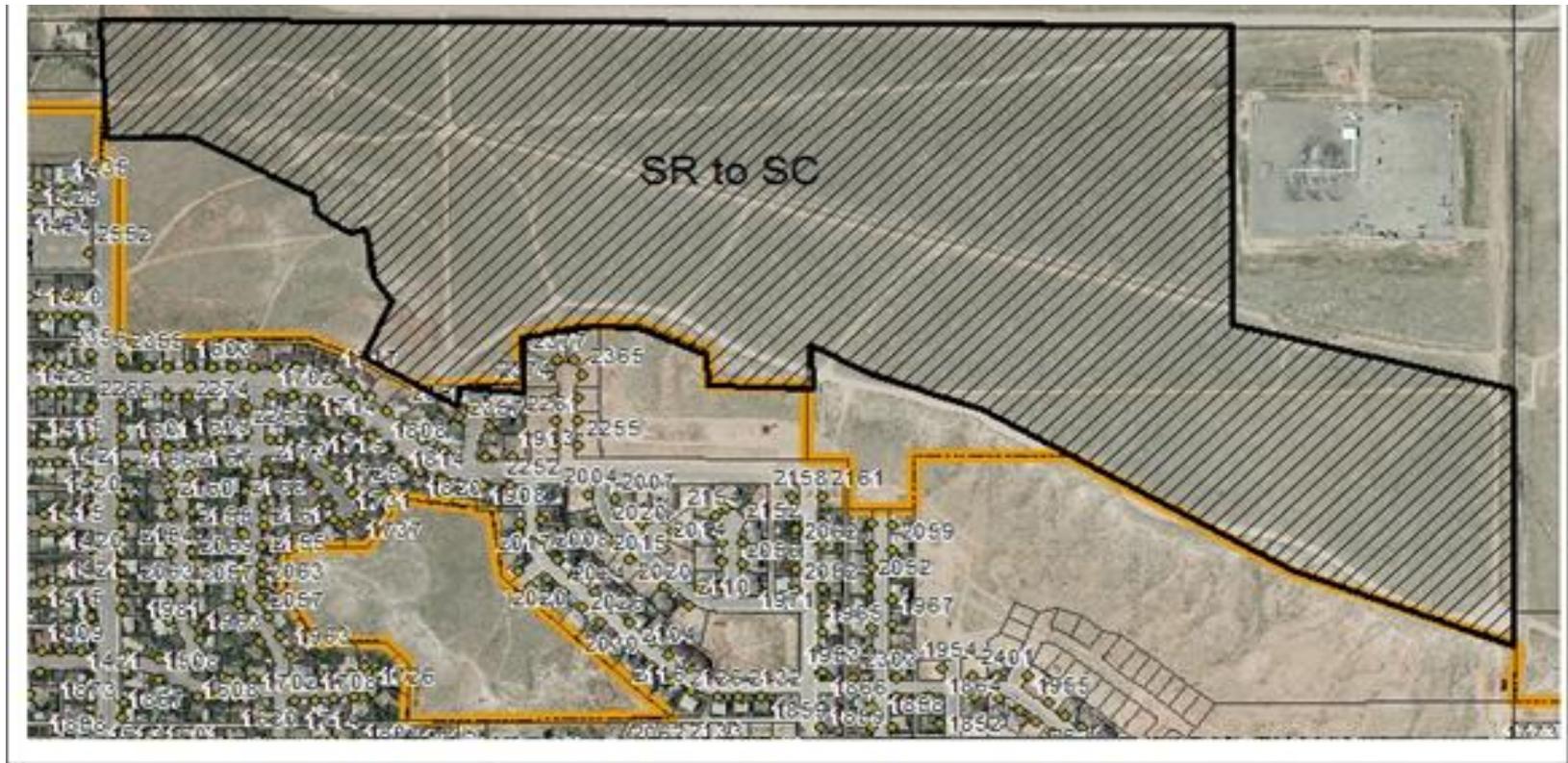
Parcel 2



Trail/Open Space

This map was prepared using data provided by various sources. The user assumes all responsibility for the accuracy of the information shown on this map. The user agrees to hold the provider harmless for any and all claims, damages, or losses, including reasonable attorneys' fees, arising out of or from the use of this map. The provider makes no warranty, express or implied, of any kind, including but not limited to, the accuracy, completeness, or timeliness of the information shown on this map. The provider is not liable for any errors or omissions in this map. The provider is not responsible for any consequences arising from the use of this map. The provider is not responsible for any claims, damages, or losses, including reasonable attorneys' fees, arising out of or from the use of this map. The provider is not responsible for any claims, damages, or losses, including reasonable attorneys' fees, arising out of or from the use of this map.

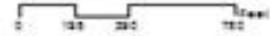
# 2012



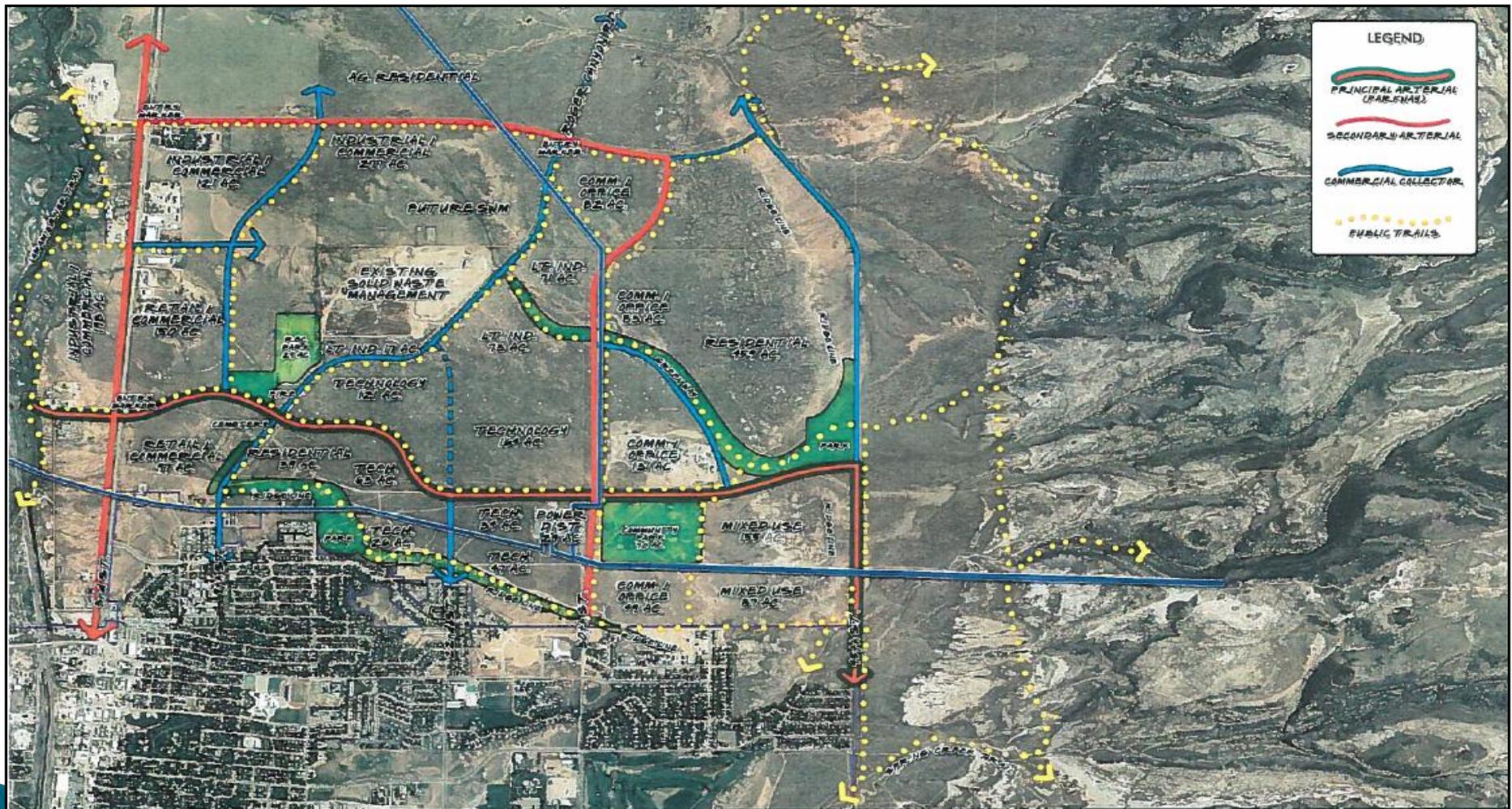
## Comprehensive Plan Amendment (CPA-12-02)



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# 2012



**LEGEND**

- PRINCIPAL ARTERIAL (FAR-SIDE)
- SECONDARY ARTERIAL
- COMMERCIAL COLLECTOR
- PUBLIC TRAILS

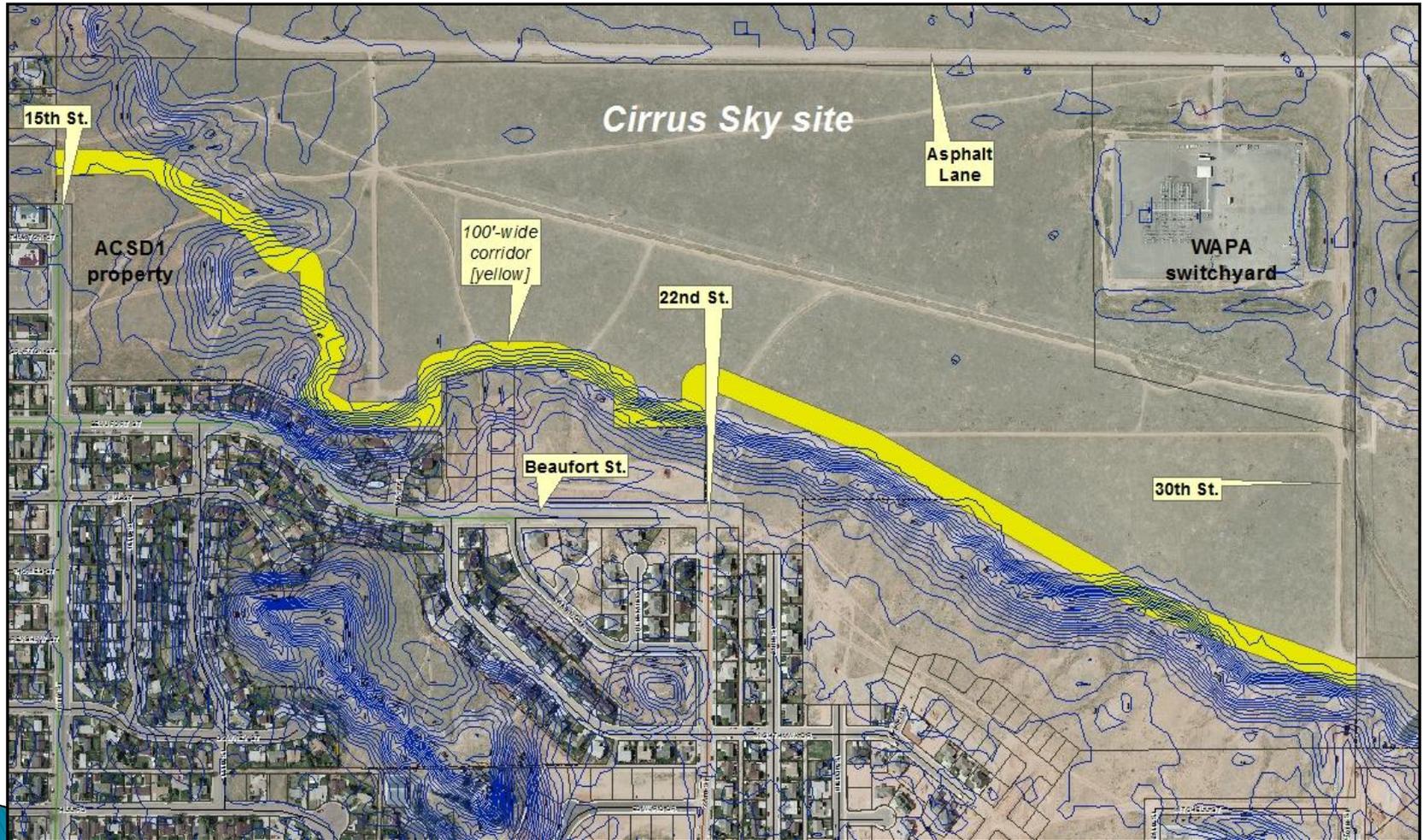
Laramie

Development Vision - STREETS, PARKS, TRAILS



8/13/2012

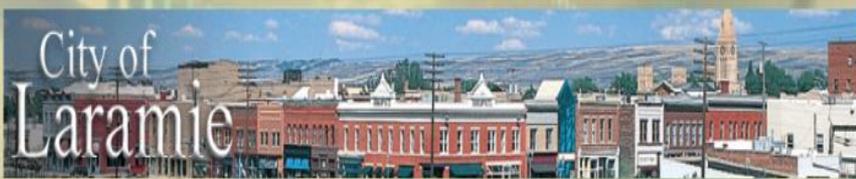
# 2012



# 2012



# 2012



City of  
**Laramie**

## Building Laramie's Economic Future

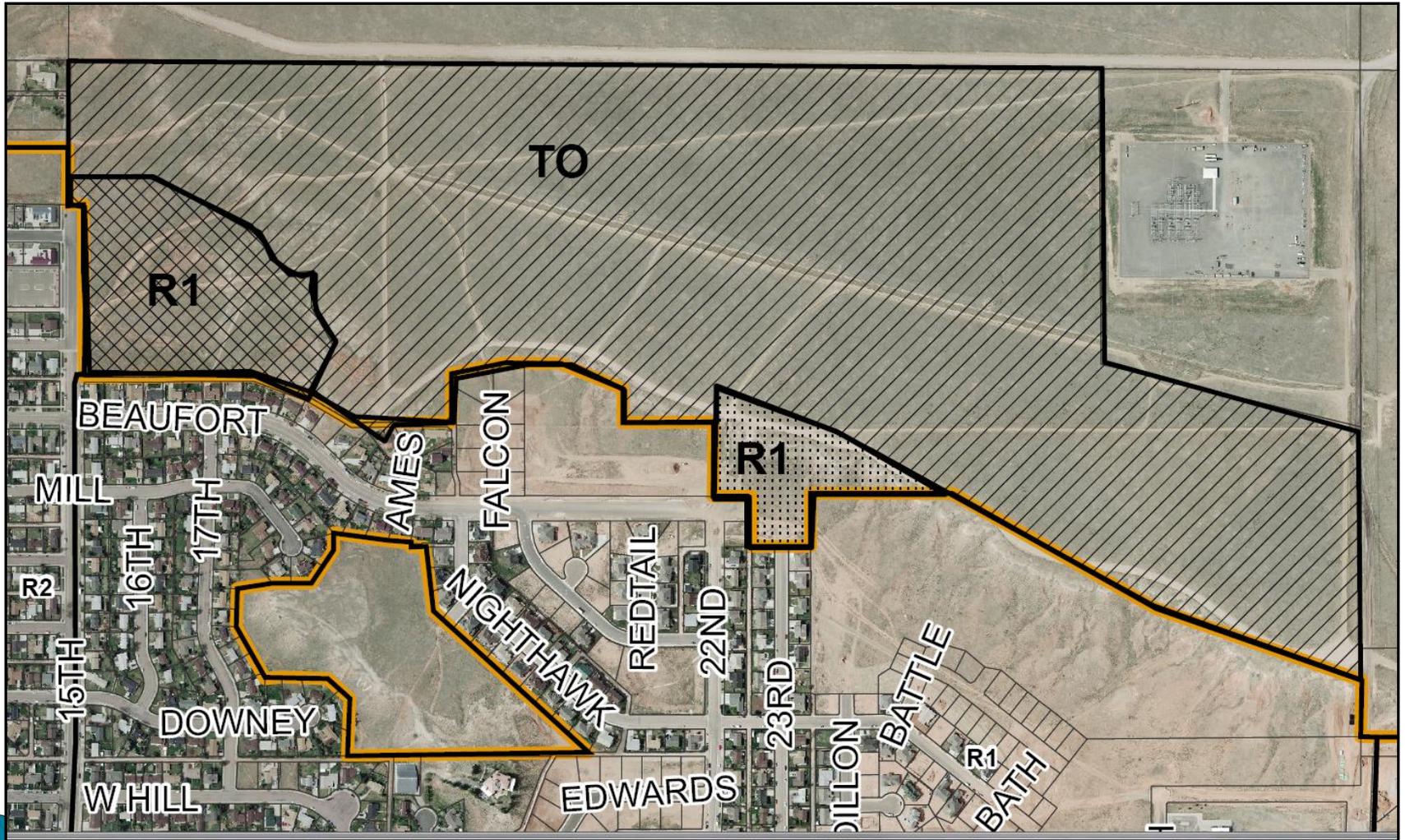


Neighborhood Meeting  
September 27, 2012  
7:00 p.m. Indian Paintbrush School

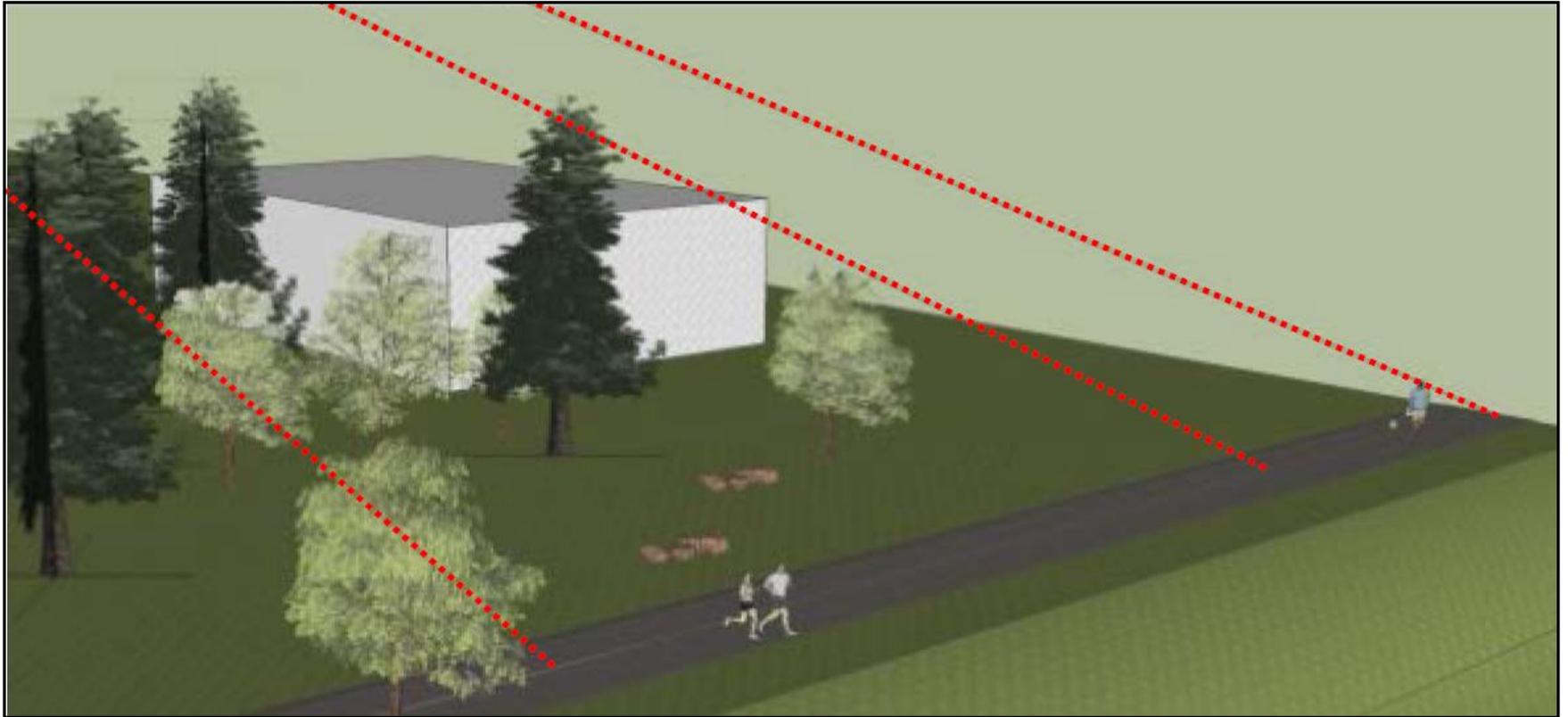
## Project Overview - *Community Spaces for Future Generations*



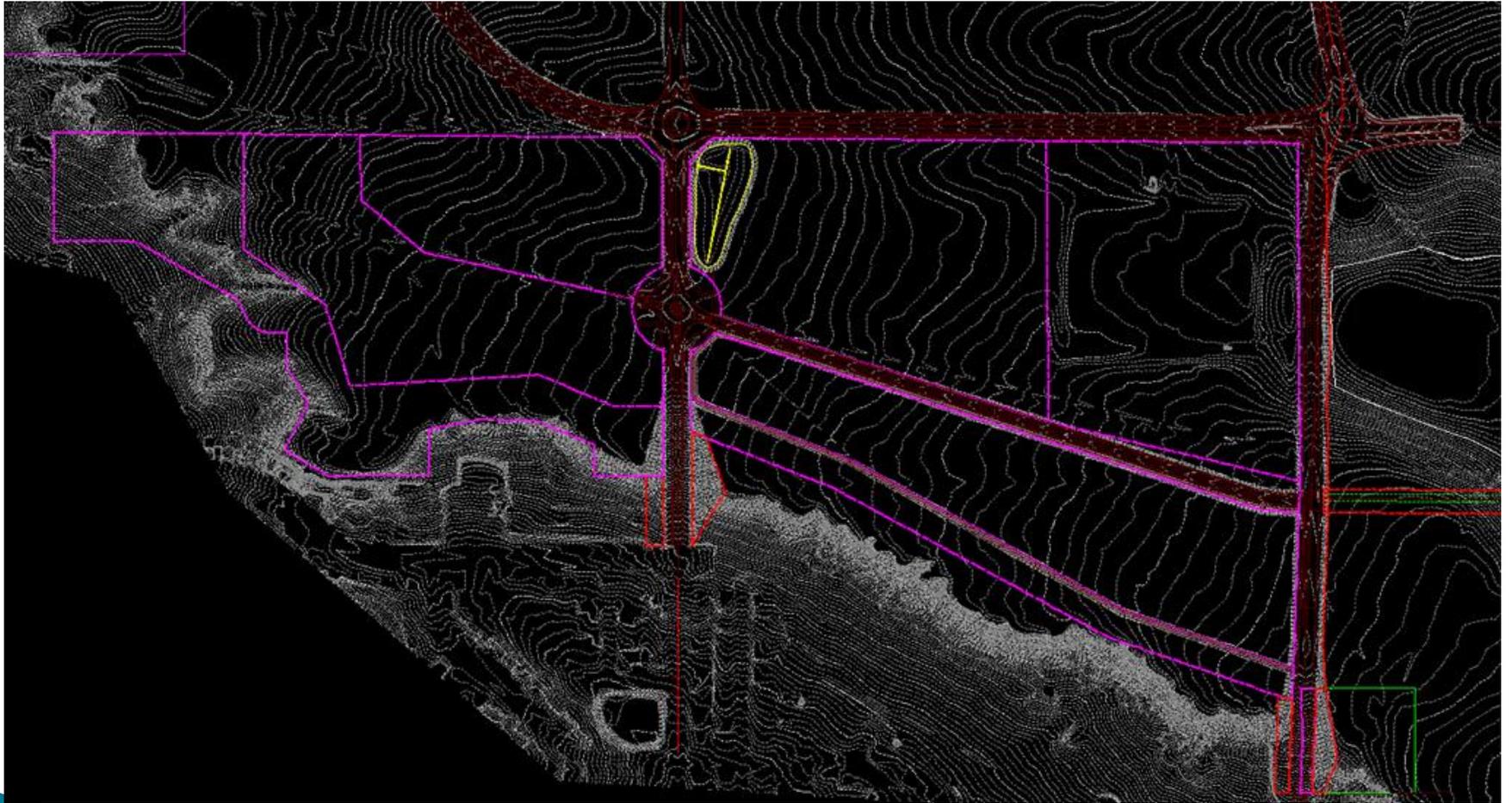
# 2012



# 2012



2013



2013

CITY OF LARAMIE

# Grant awarded for Cirrus Sky trail

Council to consider bids for park infrastructure Jan. 21

By MATTHEW CASEY  
mattc@laramieboomerang.com

The city of Laramie has \$450,000 earmarked for building a trail at Cirrus Sky Technology Park.

Parks and Recreation Director Paul Harrison told the City Council on Tuesday that he recently received notice from Wyoming Department of Transportation that the city was awarded a \$435,139 Transportation Alternative Program, or TAP, grant.

"It's just going to be so nice to have the entire community enjoy those stunning views at their leisure throughout the next 30 years," he said. "It's theirs. It's public property and dedicated as such."

The park is a joint venture between the city and the Laramie Economic

## At a glance:

A nearly \$450,000 grant was recently awarded to the city of Laramie and is slated to be used for trail construction in the buffer area at Cirrus Sky Technology Park.

percent in TAP grant matching funds, about \$87,028, according to the notification letter sent to Harrison. It could also receive 80 percent reimbursement of eligible expenses.

Harrison said the total cost for building the buffer area is estimated at about \$1.053 million.

In addition to the grant, the city has \$288,000 budgeted this year

## Funding the buffer area

**\$1.053 million:** About the total estimated cost for building the buffer area at Cirrus Sky Technology Park

**\$435,139:** Amount of Transportation Alternative Program grant money recently awarded to the city

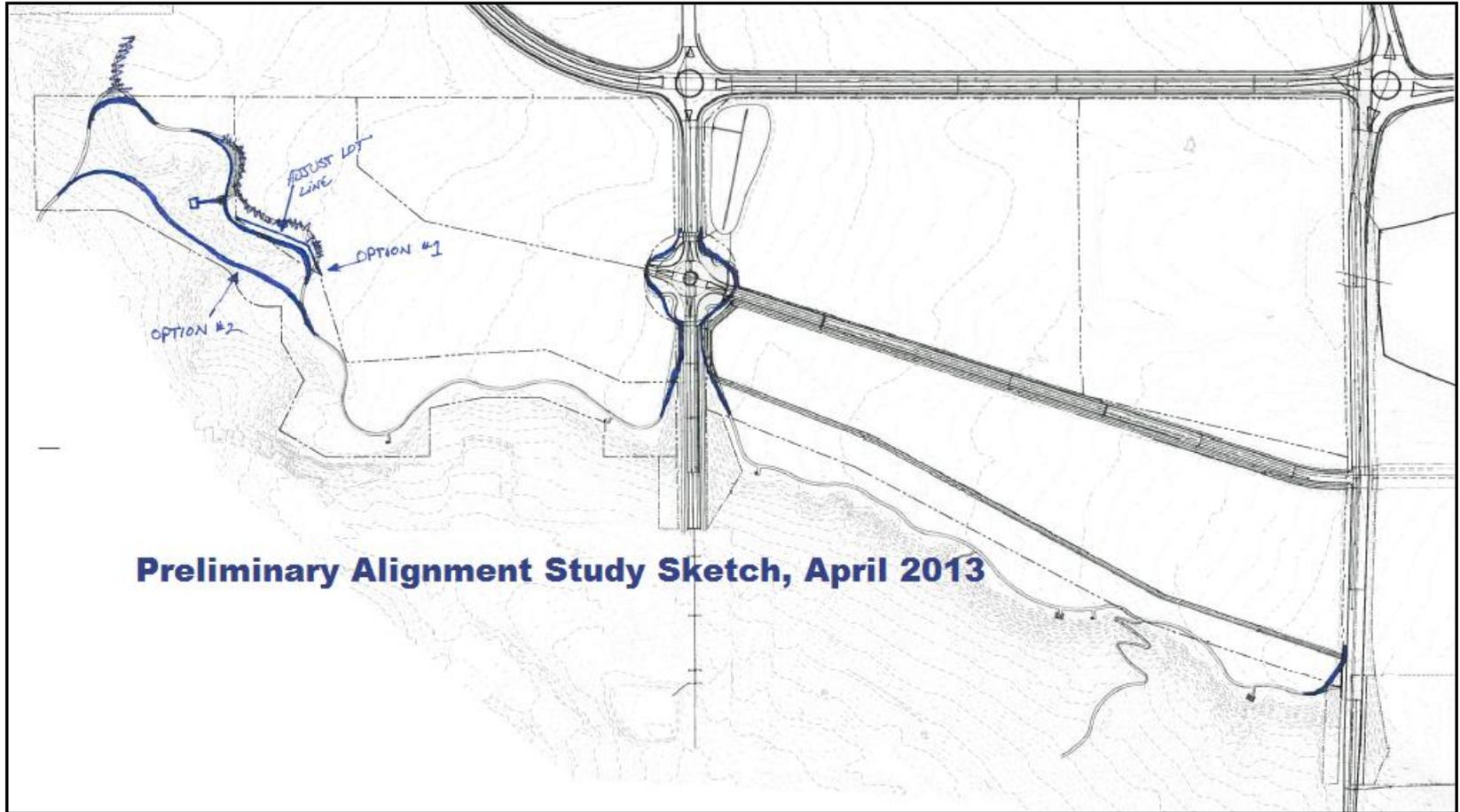
**\$288,000:** Amount budgeted for the buffer area this year from the city's major capital construction fund

**Approximately \$318,000:** Amount the University of Wyoming is paying to purchase the park's 22-acre southwest lot

# 2013



# 2013

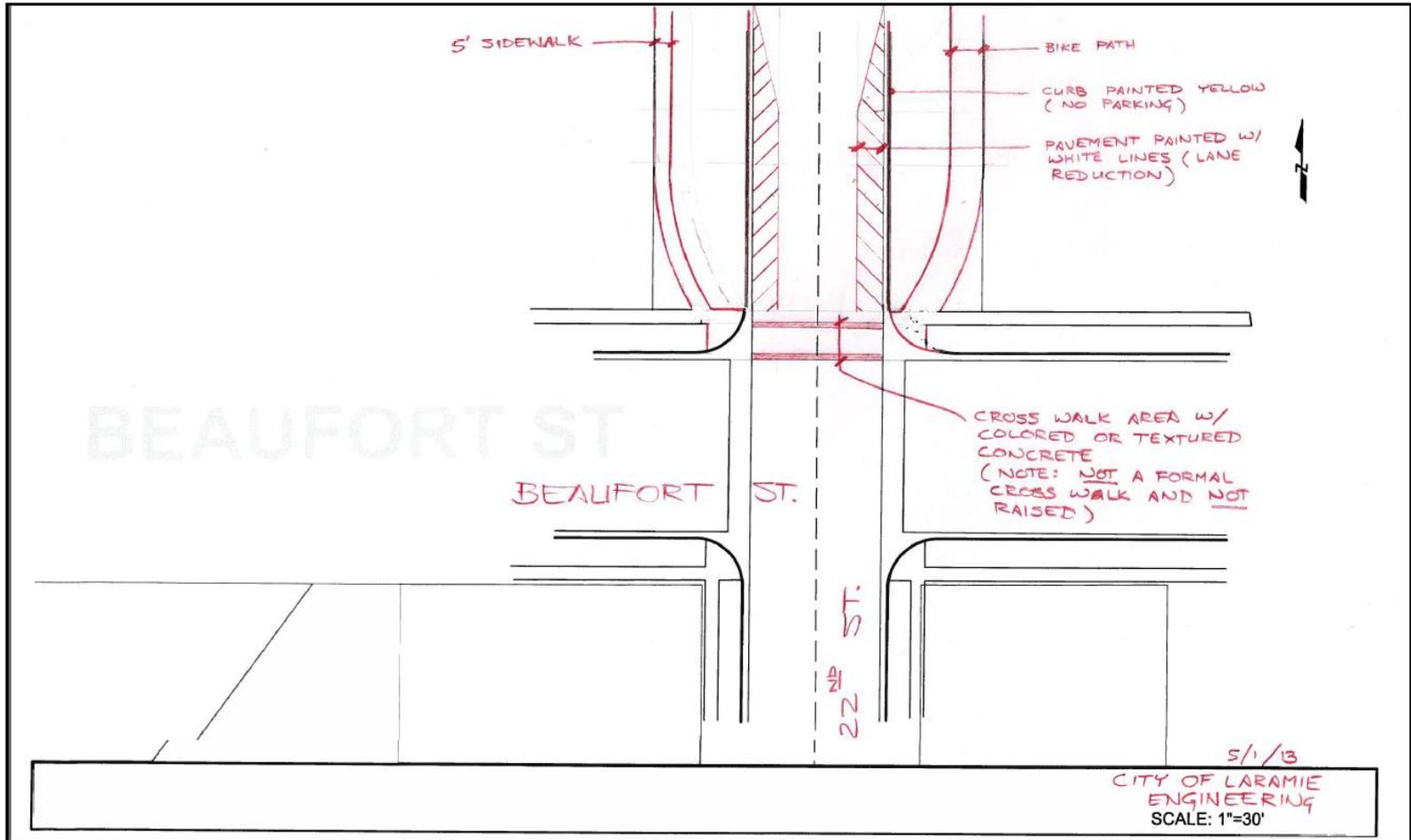


**Preliminary Alignment Study Sketch, April 2013**

# 2013



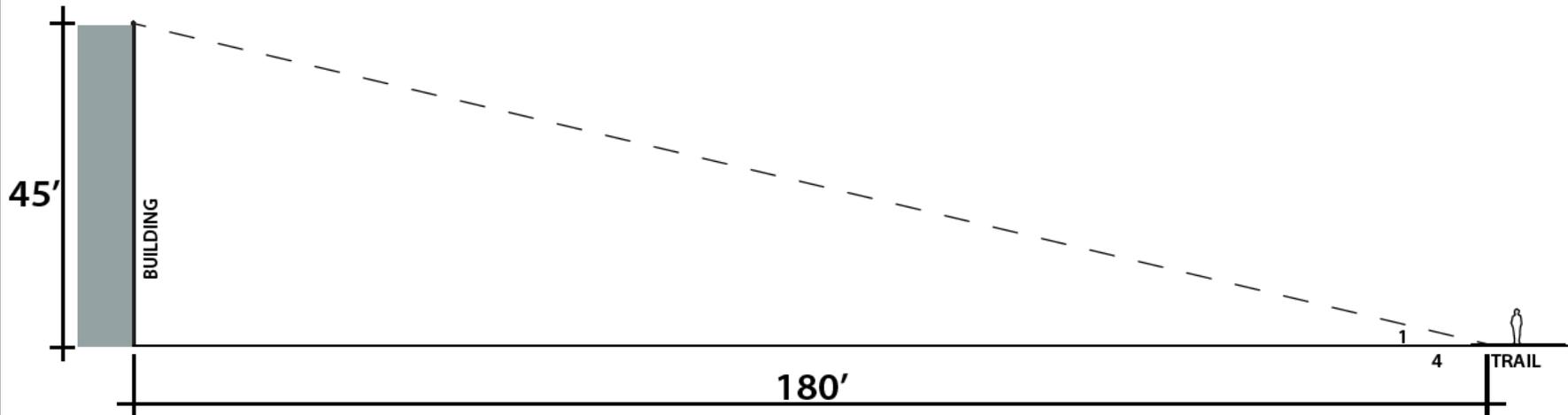
# 2013



# 2013

## TO DISTRICT STANDARDS

- MAXIMUM BUILDING HEIGHT = 45'
- HEIGHT RESTRICTIONS FROM TRAIL CORRIDORS = 4 : 1 RATIO FROM TRAIL  
4 feet in length to 1 foot in building height (Diagram Below)



# Technology Office (TO) Zoning District



## Unified Development Code

### Laramie, Wyoming

Attachment "A" to  
Enrolled Ordinance No. 1578

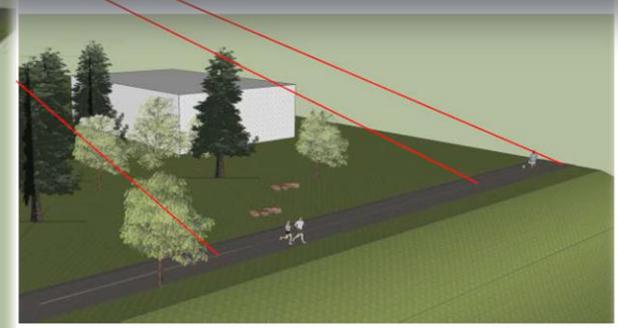
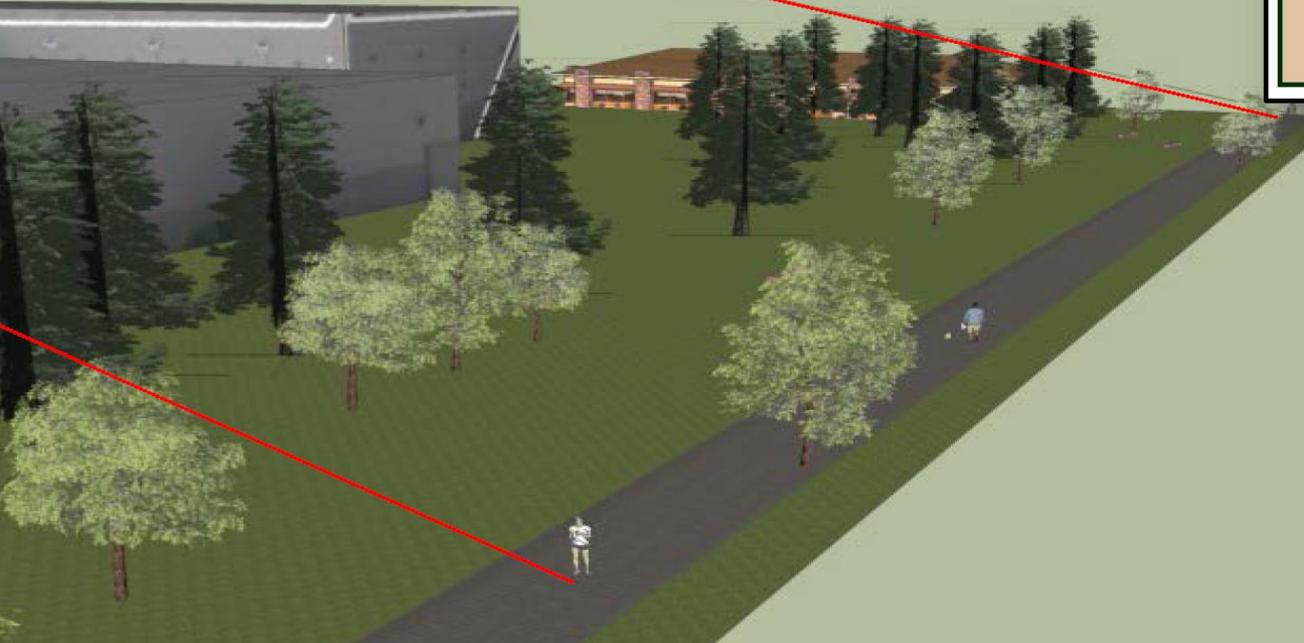
Adopted: March 2, 2010

Effective Date: July 1, 2010

Version 7.0 - Print Date: January 23, 2015

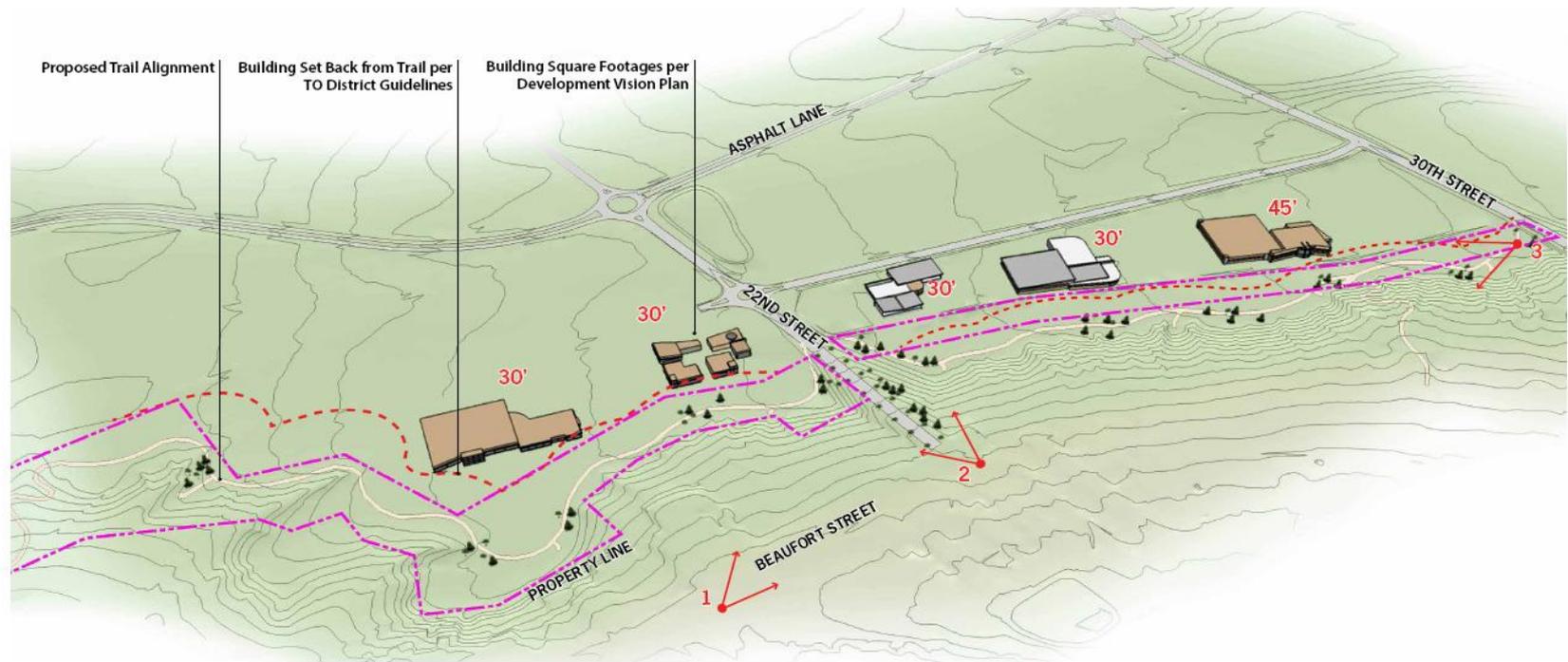
Revisions include:

Ordinance Nos.: 1671 (November 18, 2014), 1659 (May 20, 2014), 1658 (May 6, 2014), 1657 (April 1, 2014), 1644 (July 14, 2013), 1626 (September 20, 2012), 1625 (September 27, 2012), 1622 (August 15, 2012), 1600 (July 19, 2011), 1598 (June 7, 2011), 1598 (May 3, 2011), 1637 (February 5, 2013)

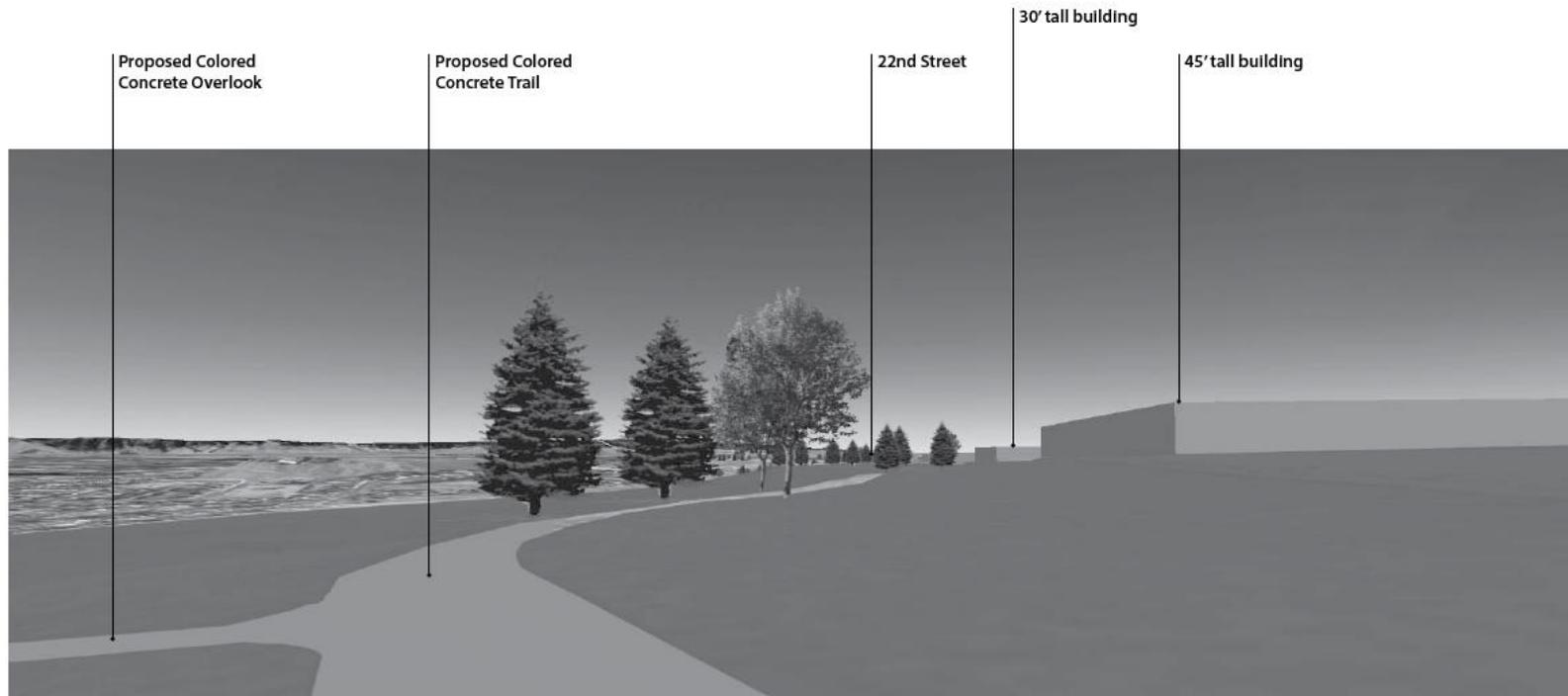


**Figure 15.080.030.L-2b.** Building heights shall not exceed one (1) foot in height for every four (4) feet of distance from a proposed or existing trail. The above image shows that a twenty (20) foot tall building would be required to be set back 80' from a trail centerline and thirty five (35) feet from a hundred (100) foot wide open space corridor.

# 2013



# 2013



CIRRUS SKY TECHNOLOGY PARK

VIEW 3 W/ 30-45' BUILDINGS - FROM 30TH ST. LOOKING WEST ALONG THE TRAIL



# 2013



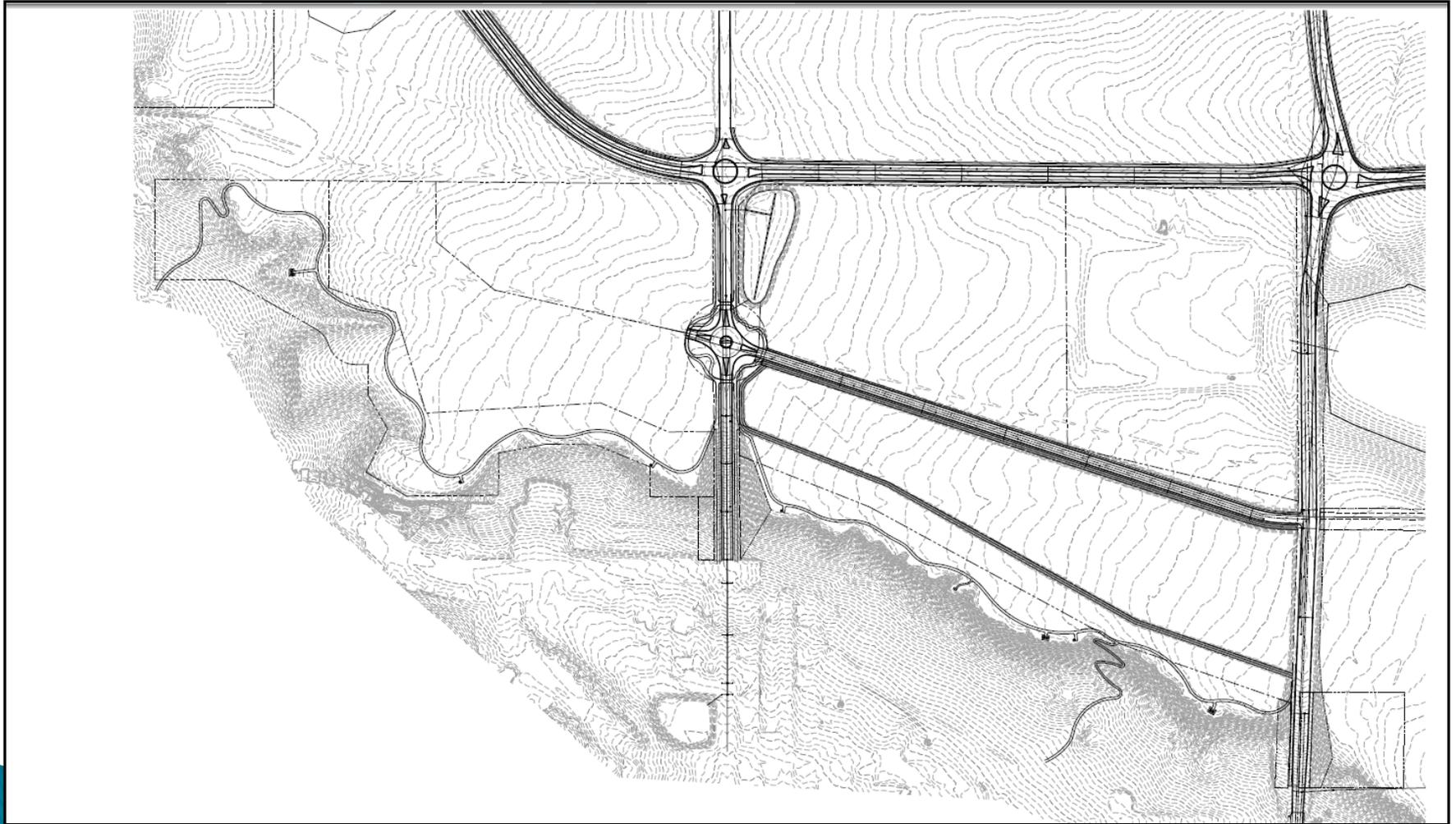
# 2013



north valley  
studios

CIRRUS SKY TECHNOLOGY PARK  
PHASE 2 VIEW 2 - INTERSECTION OF 22ND STREET AND BEAUFORT STREET

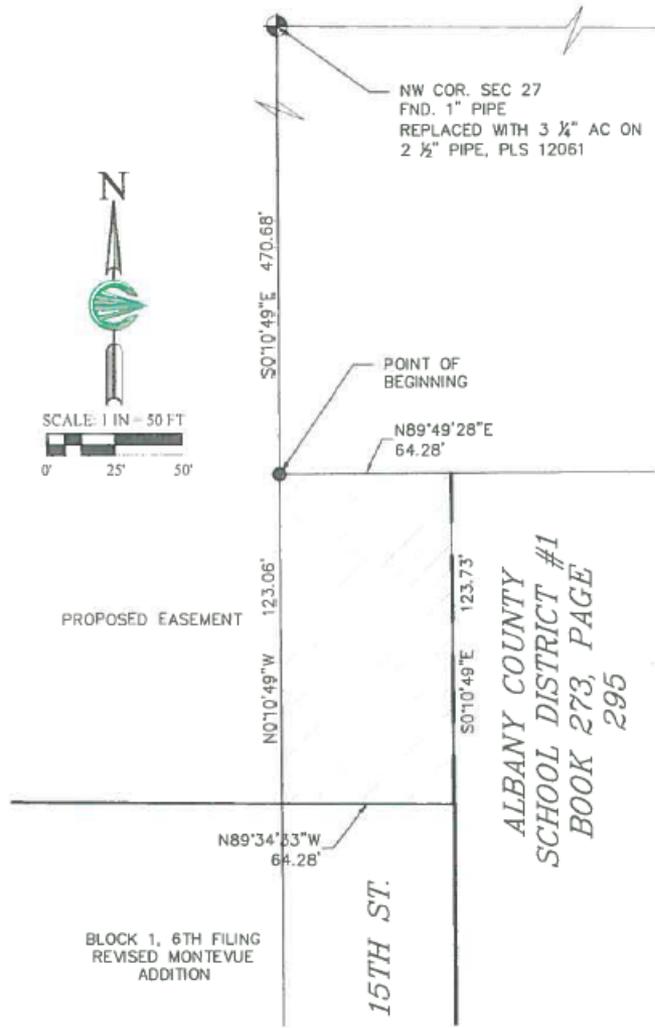
# 2013



# 2013



# 2013



### EASEMENT DESCRIPTION

A TRACT OF LAND SITUATED IN THE NW 1/4 OF SECTION 27, TOWNSHIP 16 NORTH, RANGE 73 WEST, OF THE 6TH P.M., ALBANY COUNTY, WYOMING, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SECTION 27 BEING A SET 3 1/4" ALUMINUM CAP ON A 2 1/2" PIPE; FROM WHICH THE NORTH QUARTER CORNER OF SAID SECTION, BEING A SET 3 1/4" ALUMINUM CAP ON A 2 1/2" PIPE, BEARS S89°30'08"E A DISTANCE OF 2646.58 FEET, THE BASIS OF BEARINGS FOR THIS EXHIBIT;

THENCE S0°10'49"E, ALONG THE WEST LINE OF SECTION 27; 470.68 FEET TO THE NORTHWEST CORNER OF THAT CERTAIN PARCEL DESCRIBED IN BOOK 273 AT PAGE 295 OF THE ALBANY COUNTY RECORDS, BEING A SET #5 REBAR & 2" ALUMINUM CAP STAMPED PLS 12061 AND THE POINT OF BEGINNING;

THENCE N89°49'28"E, ALONG THE NORTH LINE OF SAID PARCEL, 64.28 FEET;

THENCE S0°10'49"E, PARALLEL WITH THE WEST LINE OF SAID SECTION, 123.73 FEET TO THE NORTHEAST CORNER OF 15TH STREET AS PLATTED IN THE 6TH FILING REVISED MONTEVUE ADDITION RECORDED AS DOCUMENT NO. 2004-7855;

THENCE N89°34'33"W, ALONG THE NORTH LINE OF SAID SUBDIVISION, 64.28 FEET TO A POINT ON THE WEST LINE OF SAID SECTION;

THENCE N0°10'49"W, ALONG SAID LINE, 123.06 FEET TO THE POINT OF BEGINNING.

SAID EASEMENT CONTAINS 0.18 ACRES MORE OR LESS AND IS SUBJECT TO ALL EASEMENTS, RESTRICTIONS AND RIGHTS-OF-WAY OF RECORD.

### LEGEND:

-  FOUND SECTION MONUMENT - AS DESCRIBED
-  SET #5 REBAR & 2" ALUM. CAP, PLS 12061, OR AS SHOWN

### CERTIFICATE OF SURVEYOR:

I, MARK F. CORBRIDGE, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF WYOMING, HEREBY CERTIFY, THAT THIS MAP WAS PREPARED FROM FIELD NOTES TAKEN DURING AN ACTUAL SURVEY, MADE BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT THIS MAP CORRECTLY SHOWS THE RESULTS OF SAID SURVEY, TO THE BEST OF MY KNOWLEDGE.



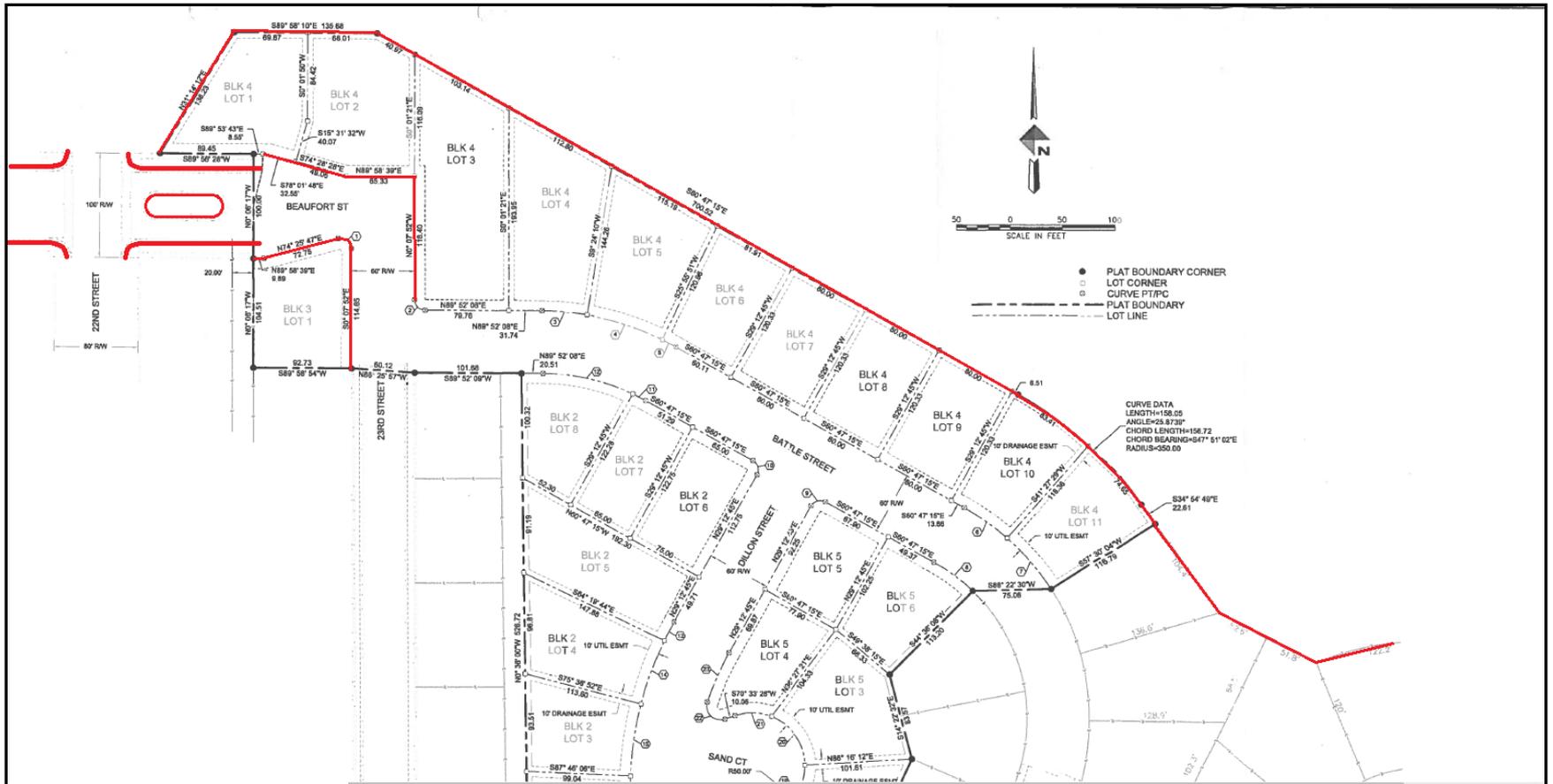
Project:	1021.69
Drawing:	1021.69EAS
Field Date:	N/A
Crew:	N/A
Drafted By:	MFC
Date:	09/23/13
Revised:	

EASEMENT EXHIBIT 'A'  
OWNER: ACSD #1  
SEC. 27, T16N, R73W, 6TH P.M.  
ALBANY COUNTY, WYOMING

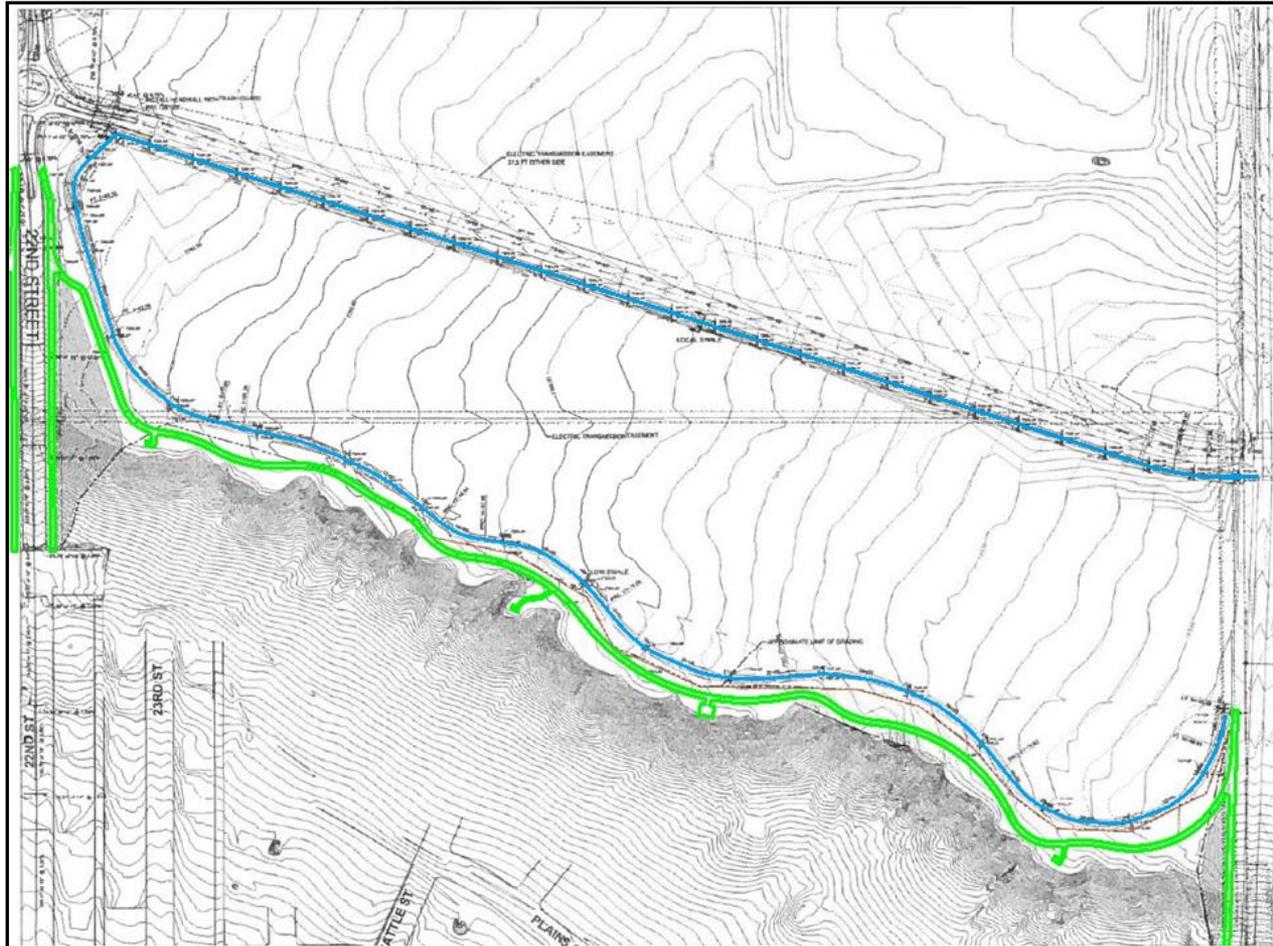
**COFFEY**  
ENGINEERING & SURVEYING  
902 S. 3rd St., Laramie, WY 82070  
(P) 307-742-7425 (F) 307-742-7403

Sheet: 1 / 1

# 2013



# 2013





2015

Laramie Public Art → Inaugural Plan



# 2015



Cirrus Sky - MASTER PLAN  
8/26/15

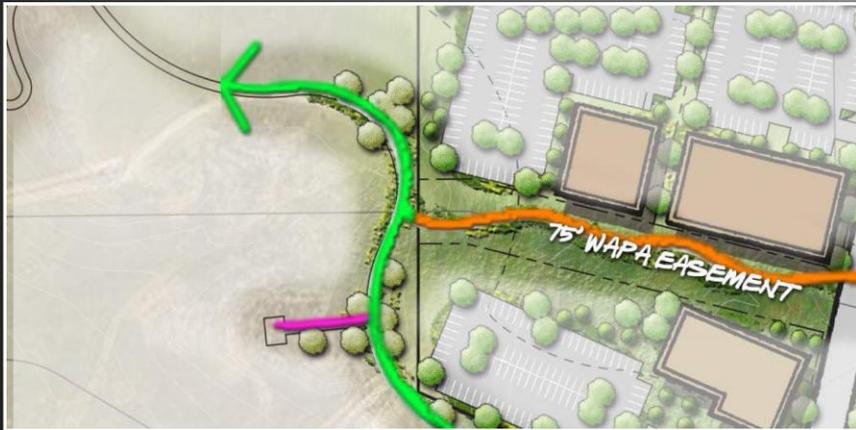
## Trail Connections



2015



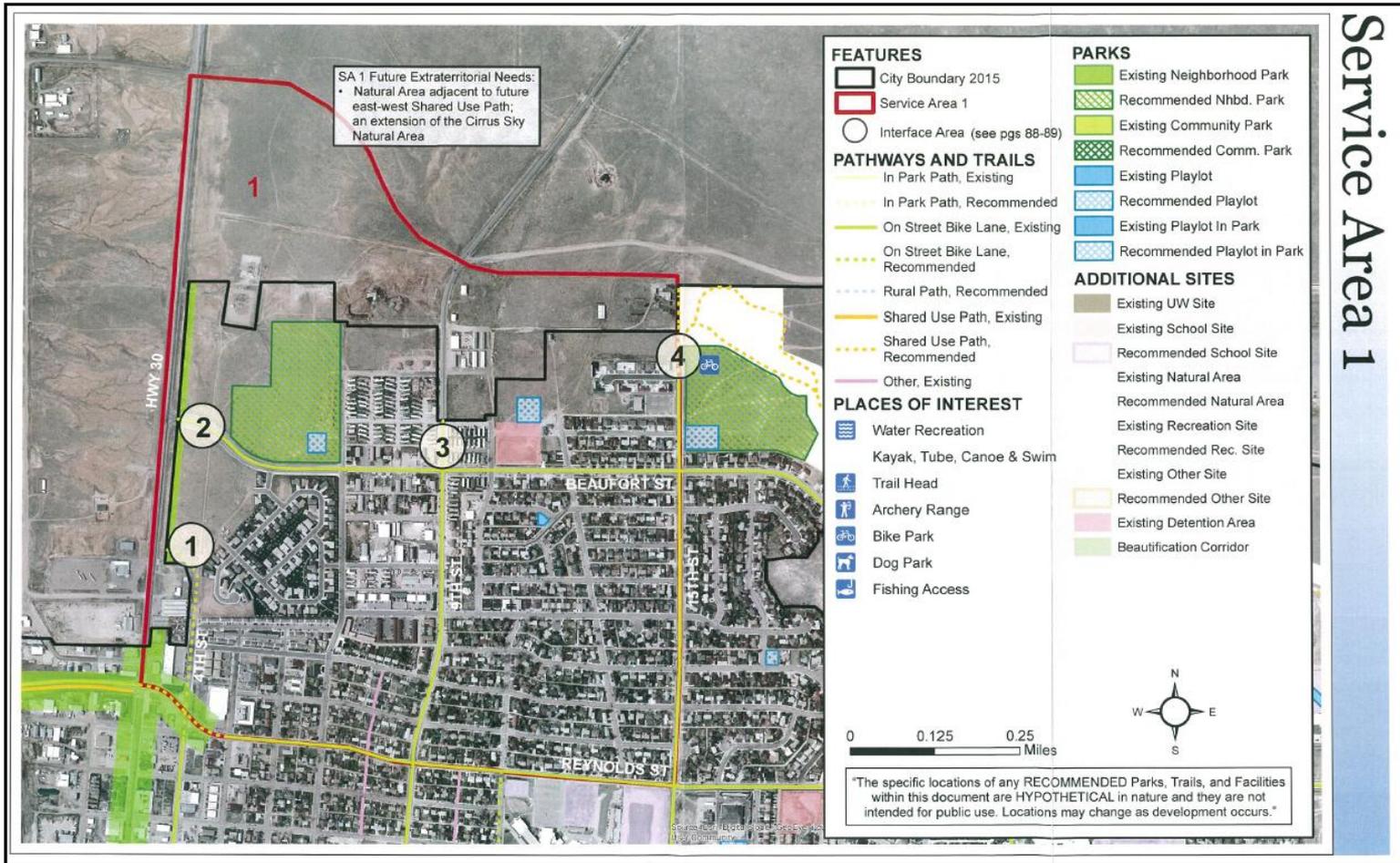
# 2015



# 2015



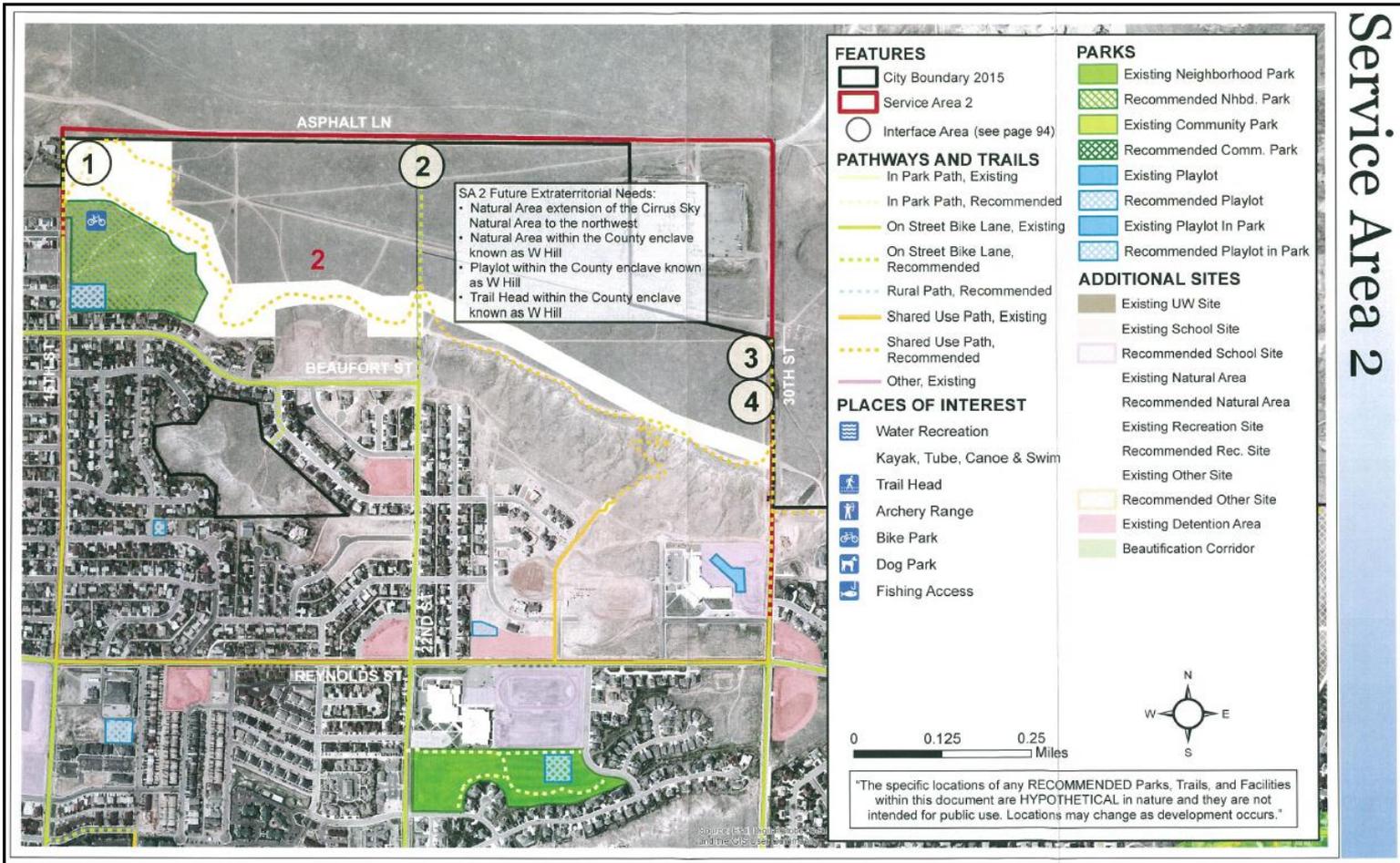
# 20XX?



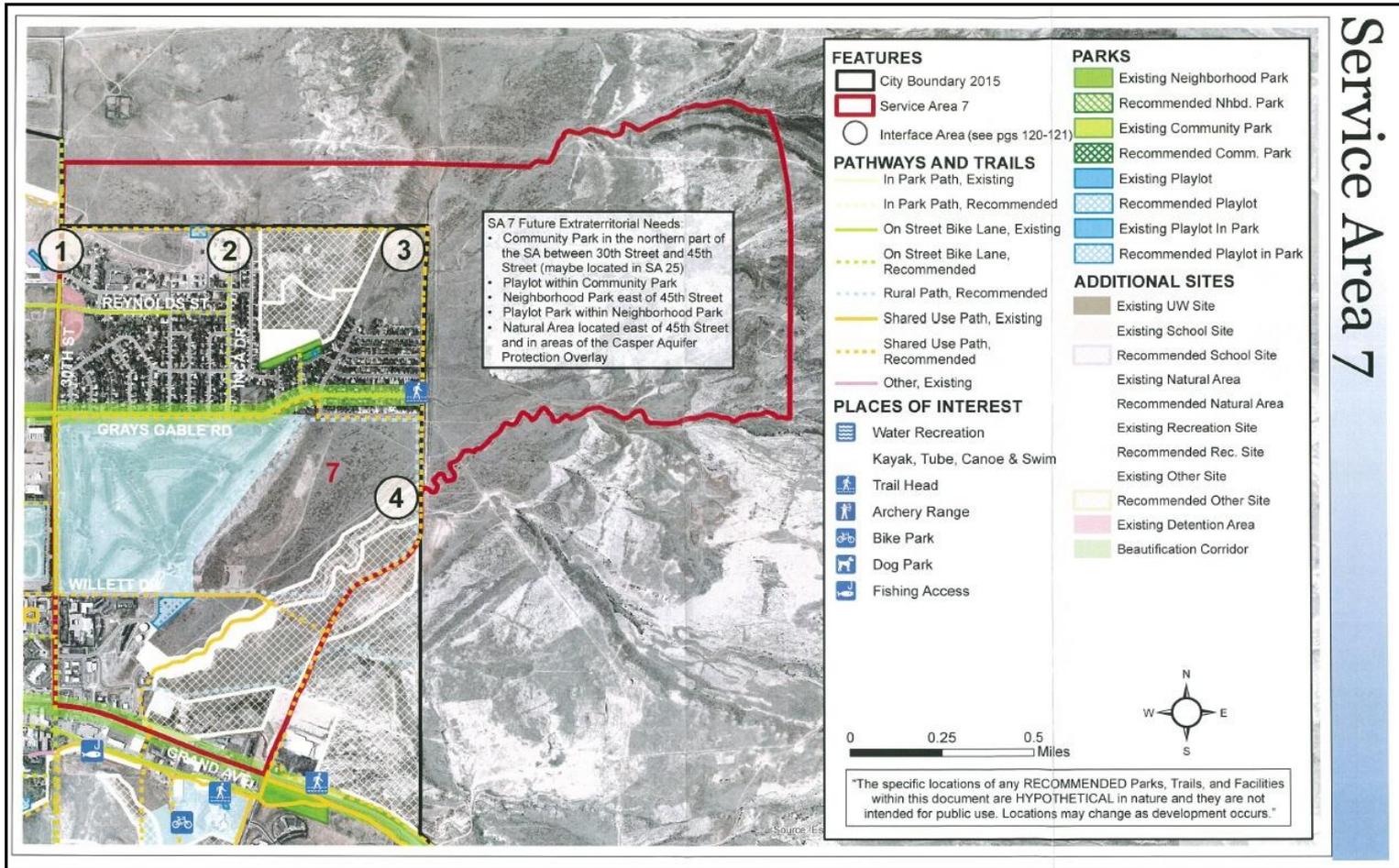
Service Area 1

# 20XX?

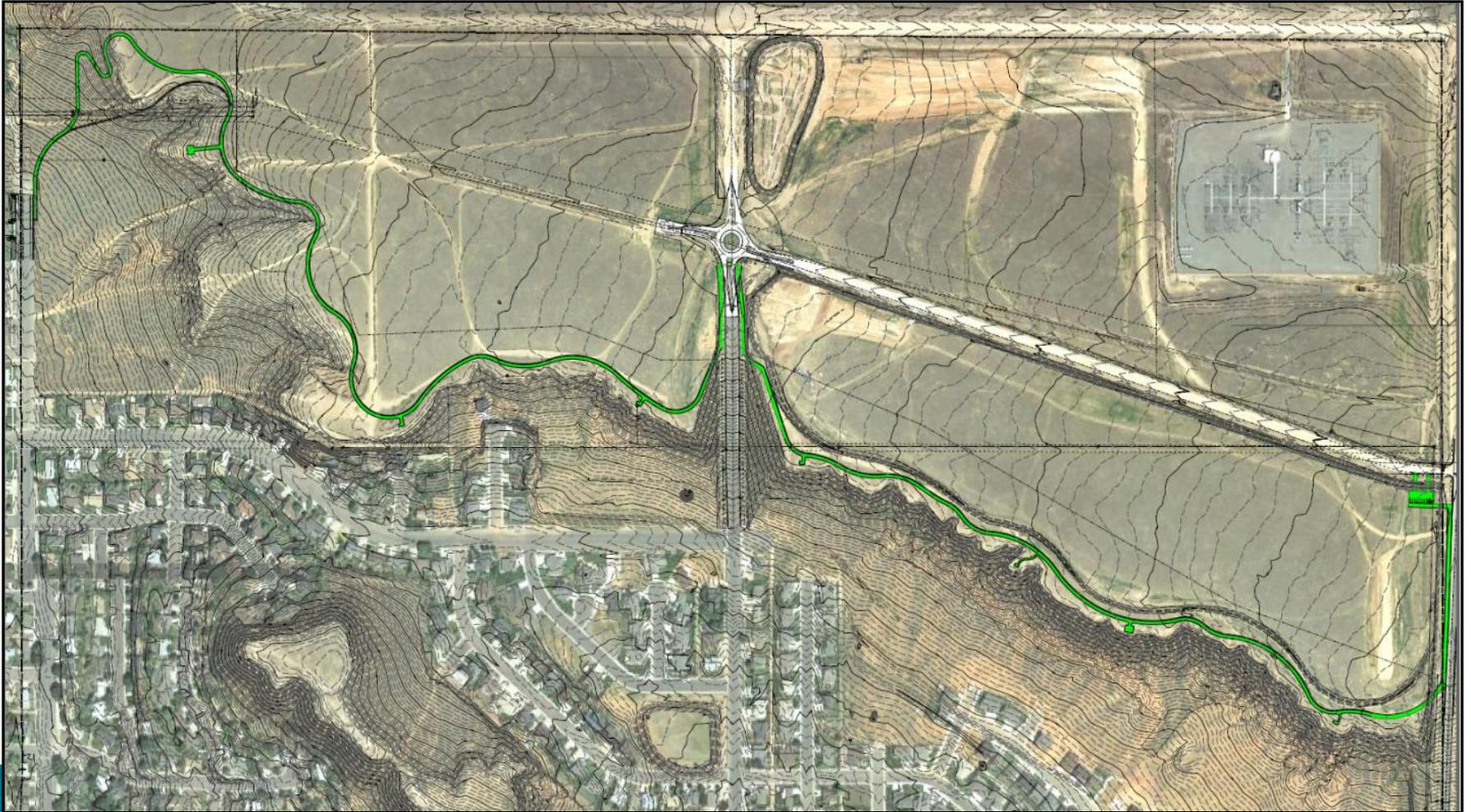
## Service Area 2



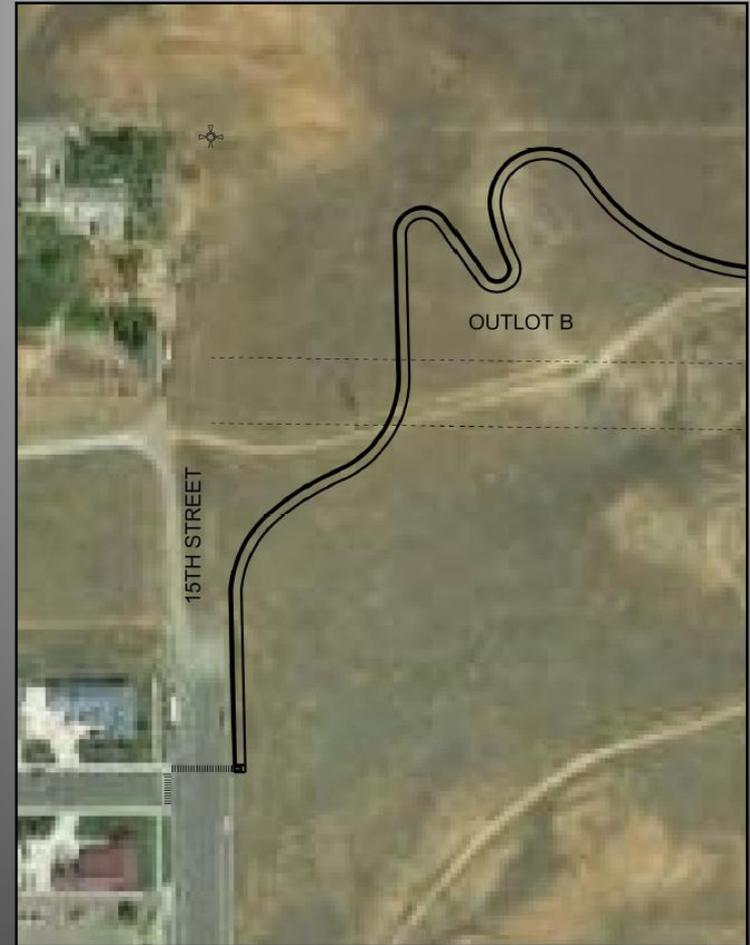
# 20XX?



# 2016



# 2016



# 2016

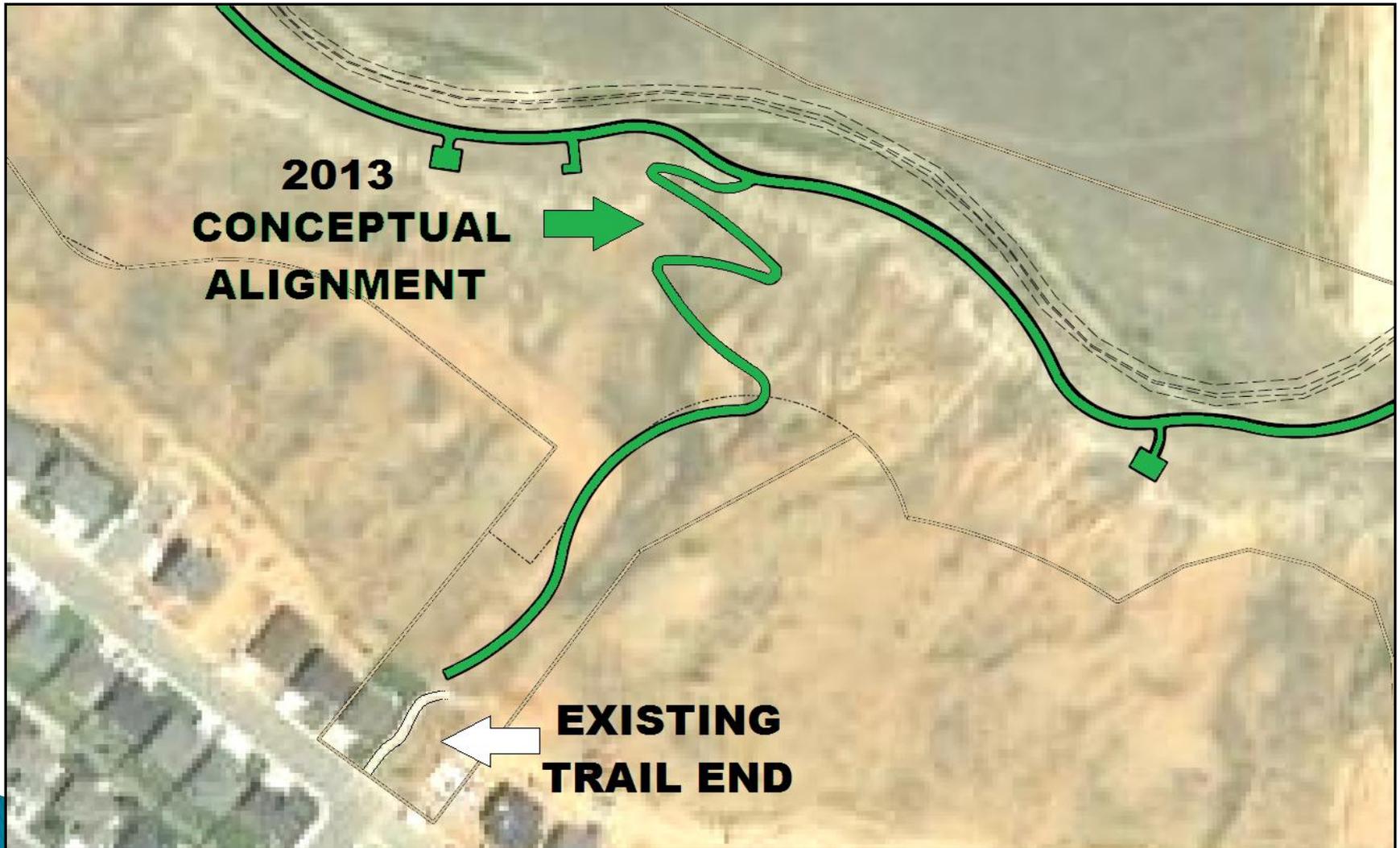


**DESIGN VEHICLE**

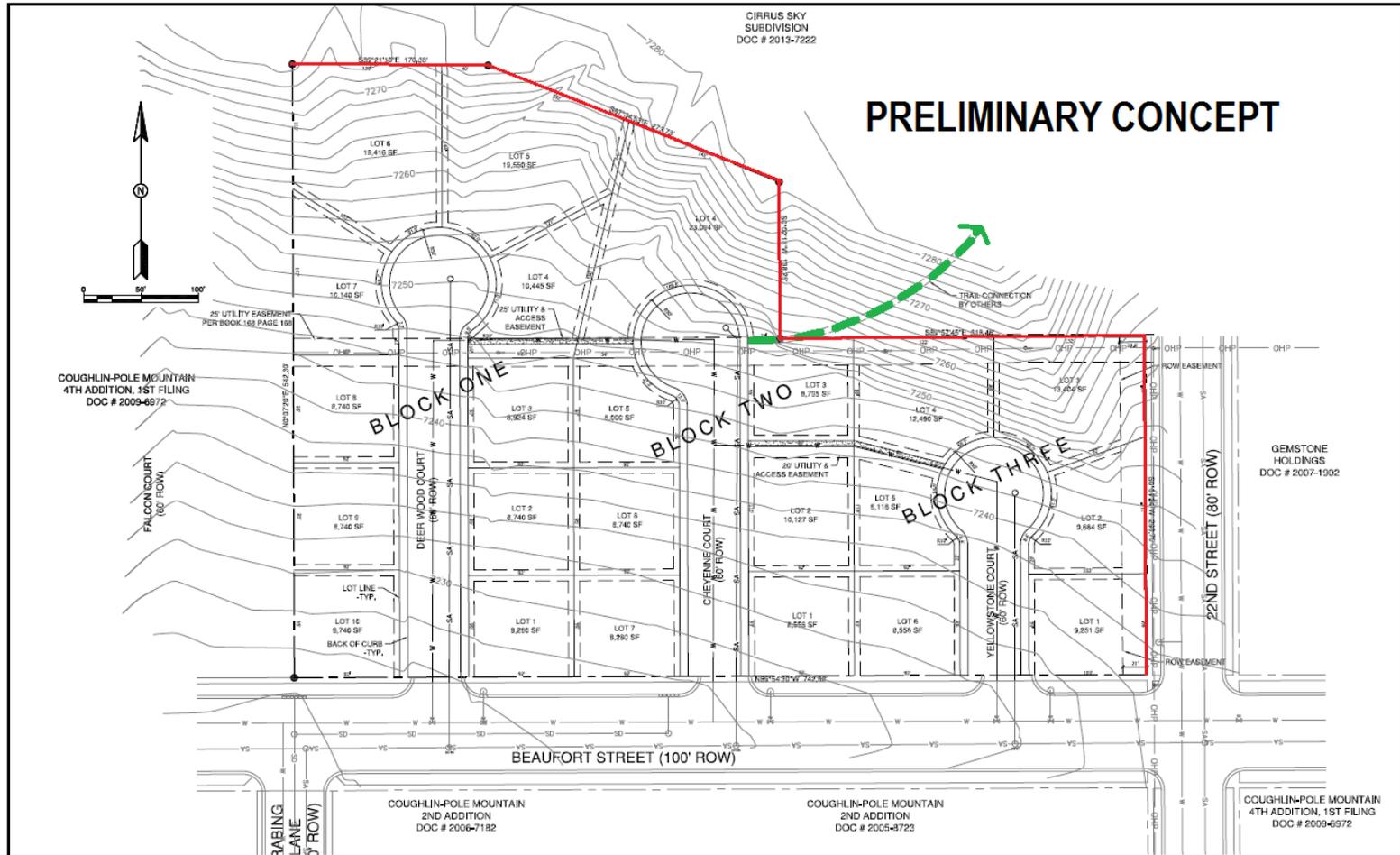
# 2016



# 2016



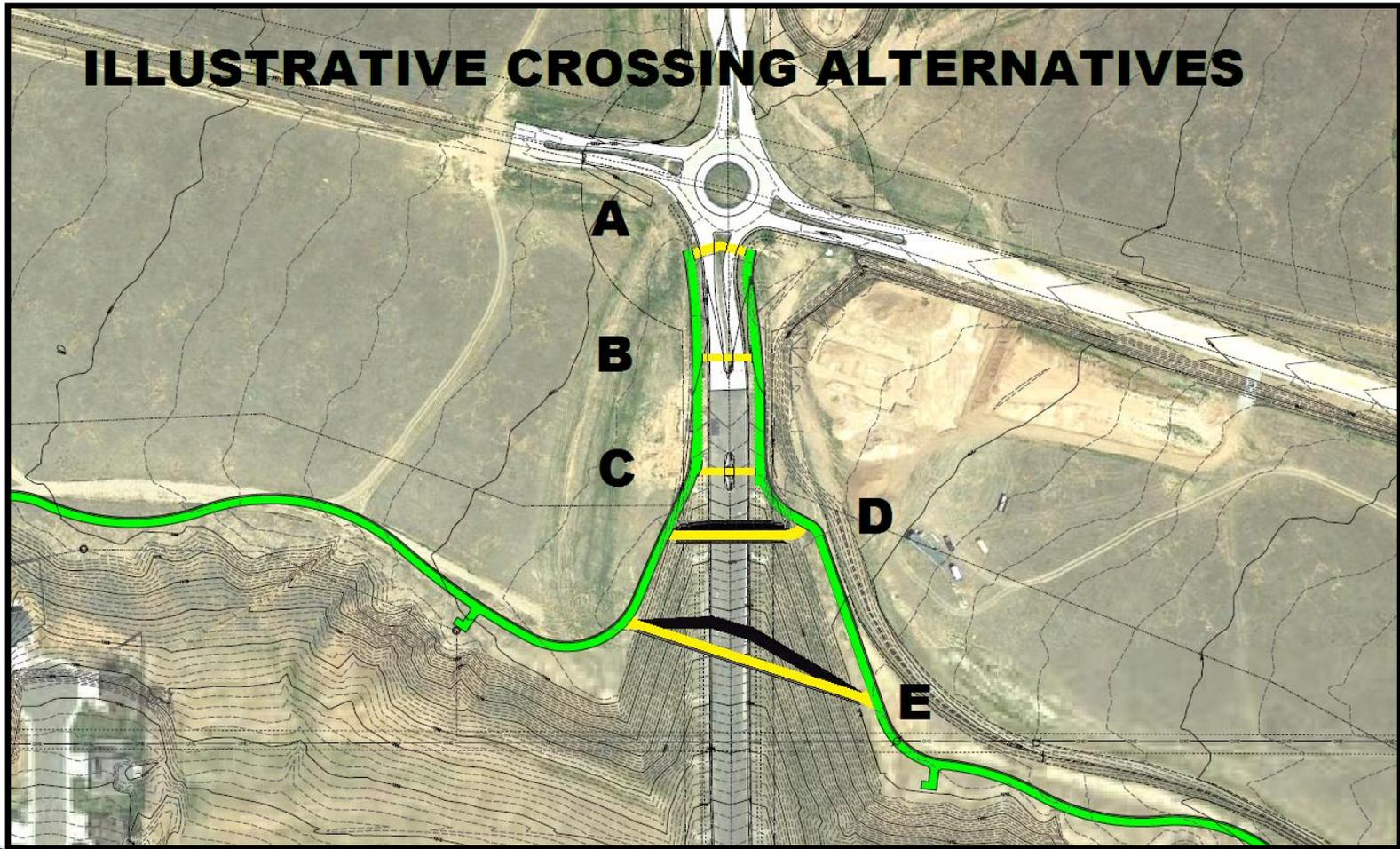
# 2016



# 2016



2016



2016



# 2016



# 2016

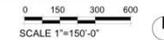
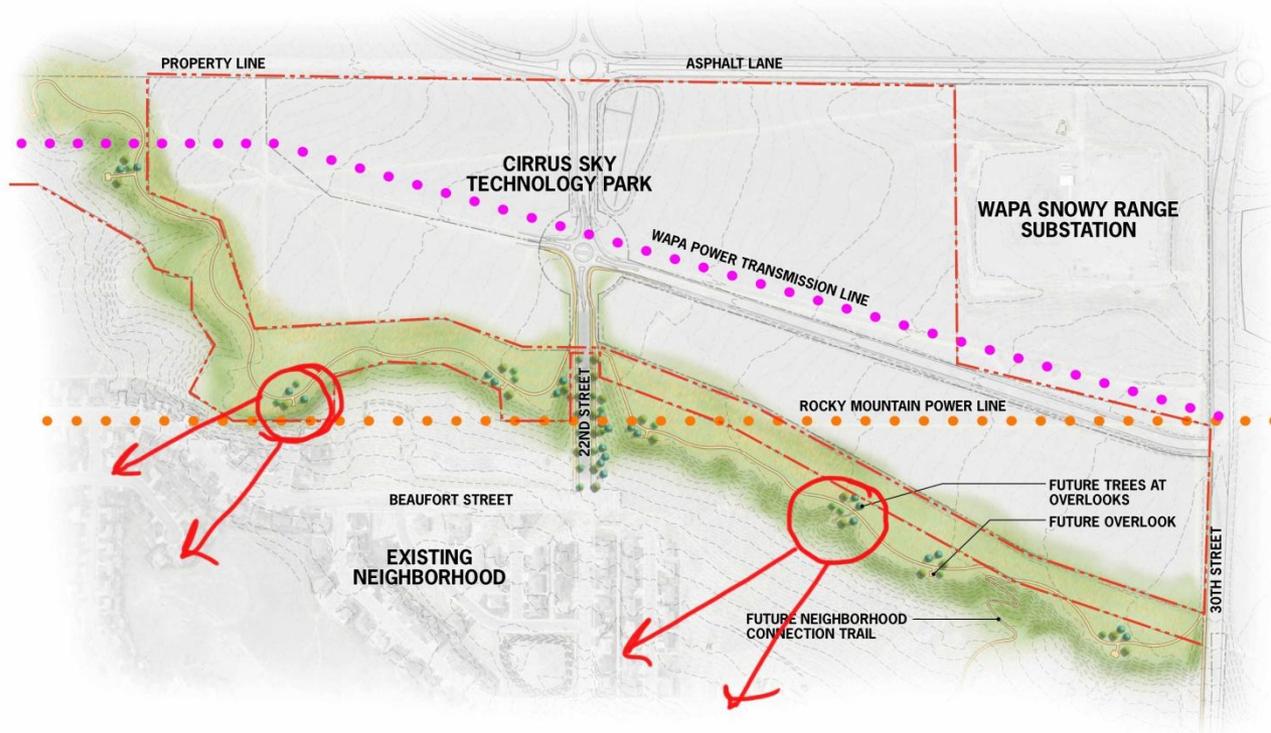
## 22<sup>ND</sup> STREET PEDESTRIAN CROSSING ALTERNATIVE EVALUATION

Alternative	A	B	C	D	E
Description	Standard Roundabout Crosswalk	Non-Standard Roundabout Crosswalk	Mid-Block Crosswalk with Median Refuge	North Short Bridge	South Long Bridge
Walking Distance	1600'	1200'	1000'	800'	300'
Construction Cost	~\$5,000	~\$5,000	~\$15,000	\$150-200,000	\$350-400,000
Vehicle Speed	15-20 mph	30+ mph	30+ mph	Not Applicable	Not Applicable
Roadway Gradient	0%	1%	4%	Not Applicable	Not Applicable
Dry Pavement Stopping Sight Distance	115 feet	200+ Feet	210+ Feet	Not Applicable	Not Applicable
Ice Stopping Distance	125 feet	Cannot Stop	Cannot Stop	Not Applicable	Not Applicable
Probability of Pedestrian Fatality in Collision	< 5%	37-45%	37-45%	Not Applicable	Not Applicable
Pedestrian Safety Performance	Safe	Unsafe	Unsafe	Safe	Safe
Engineering Recommendation	<b>Recommended</b>	Not Recommended	Not Recommended	<b>Recommended</b>	Not Recommended

2016

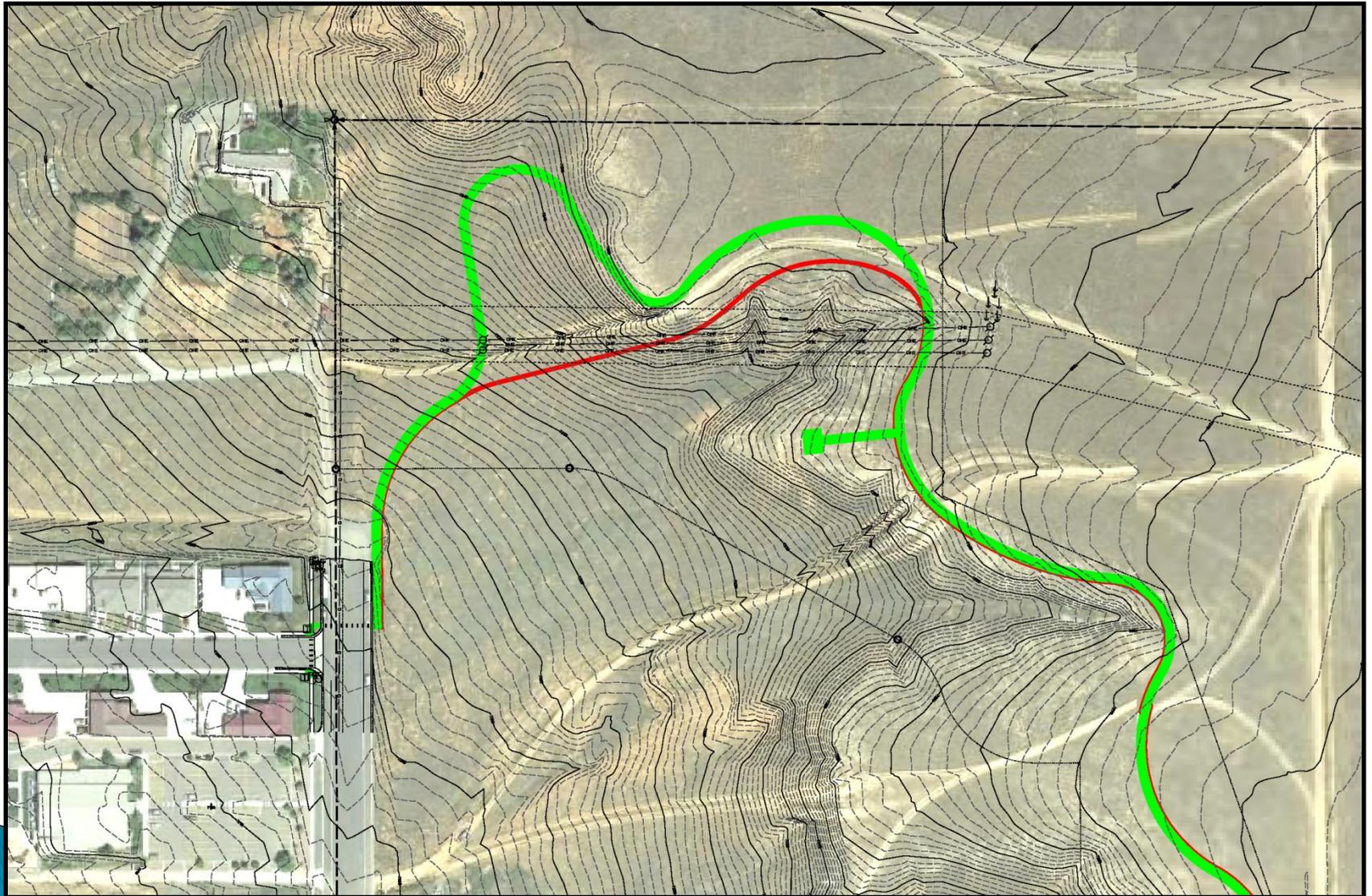


# 2016

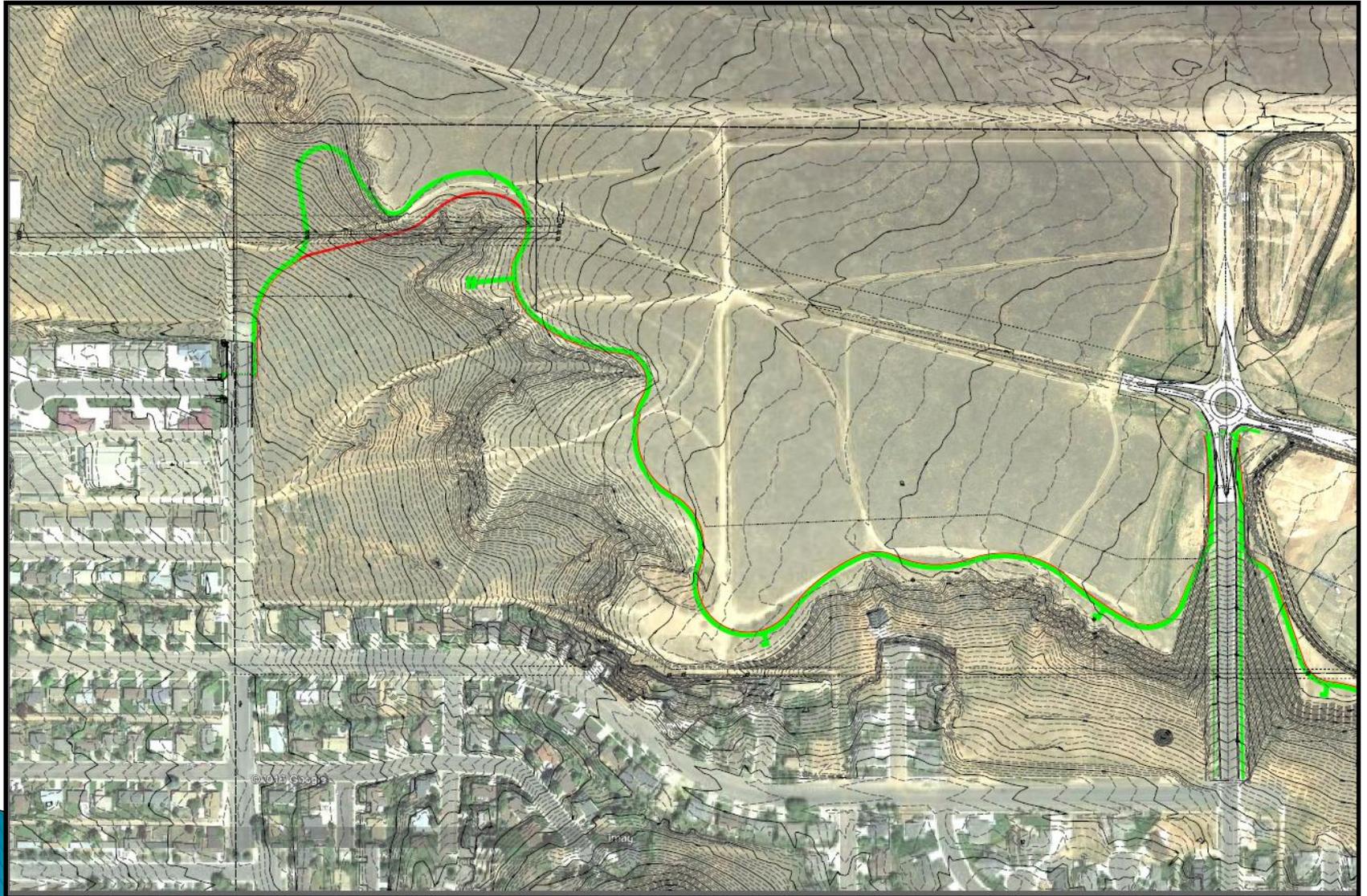


**CIRRUS SKY TECHNOLOGY PARK  
PHASE 2 PLAN RENDERING**

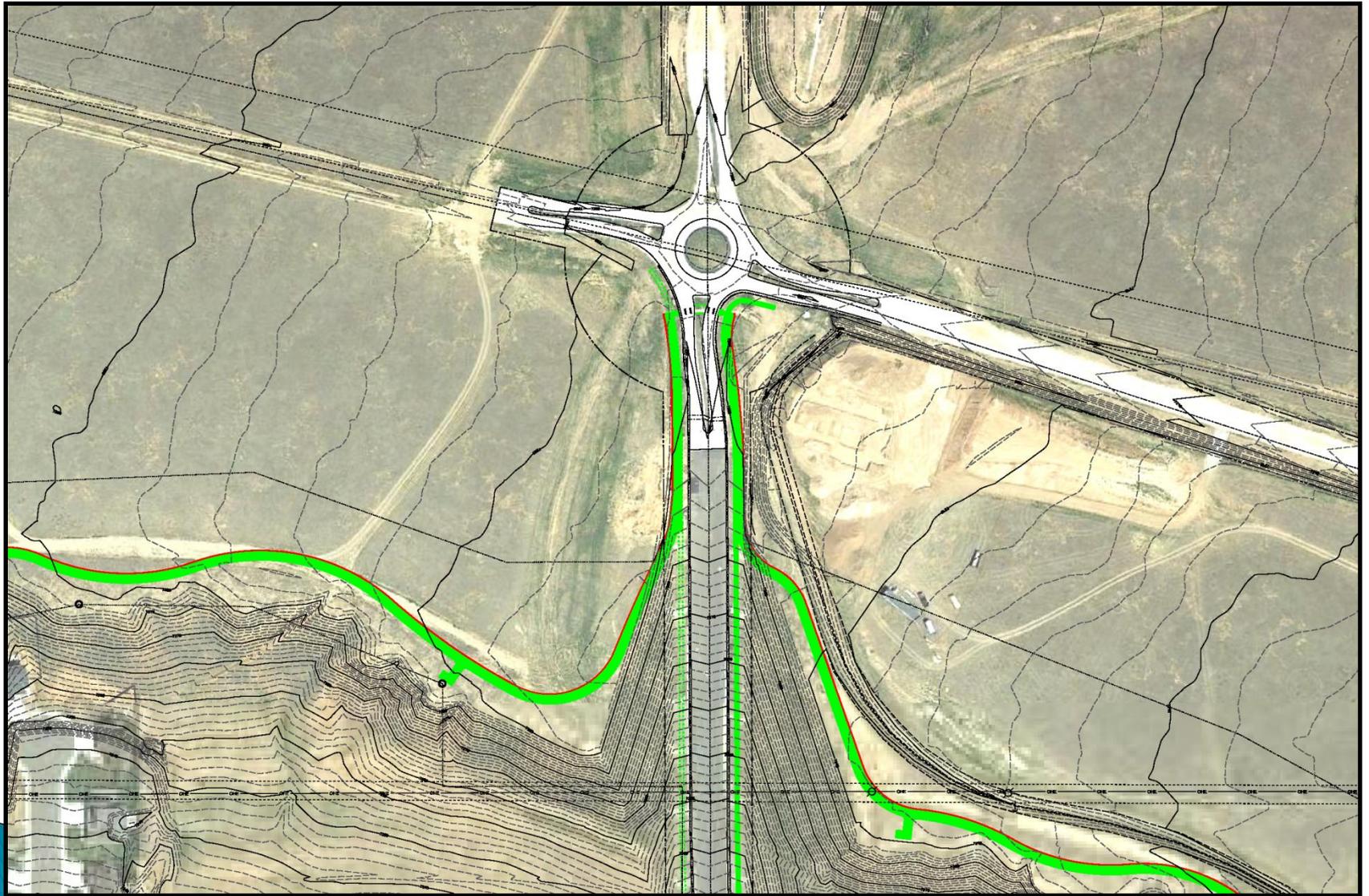
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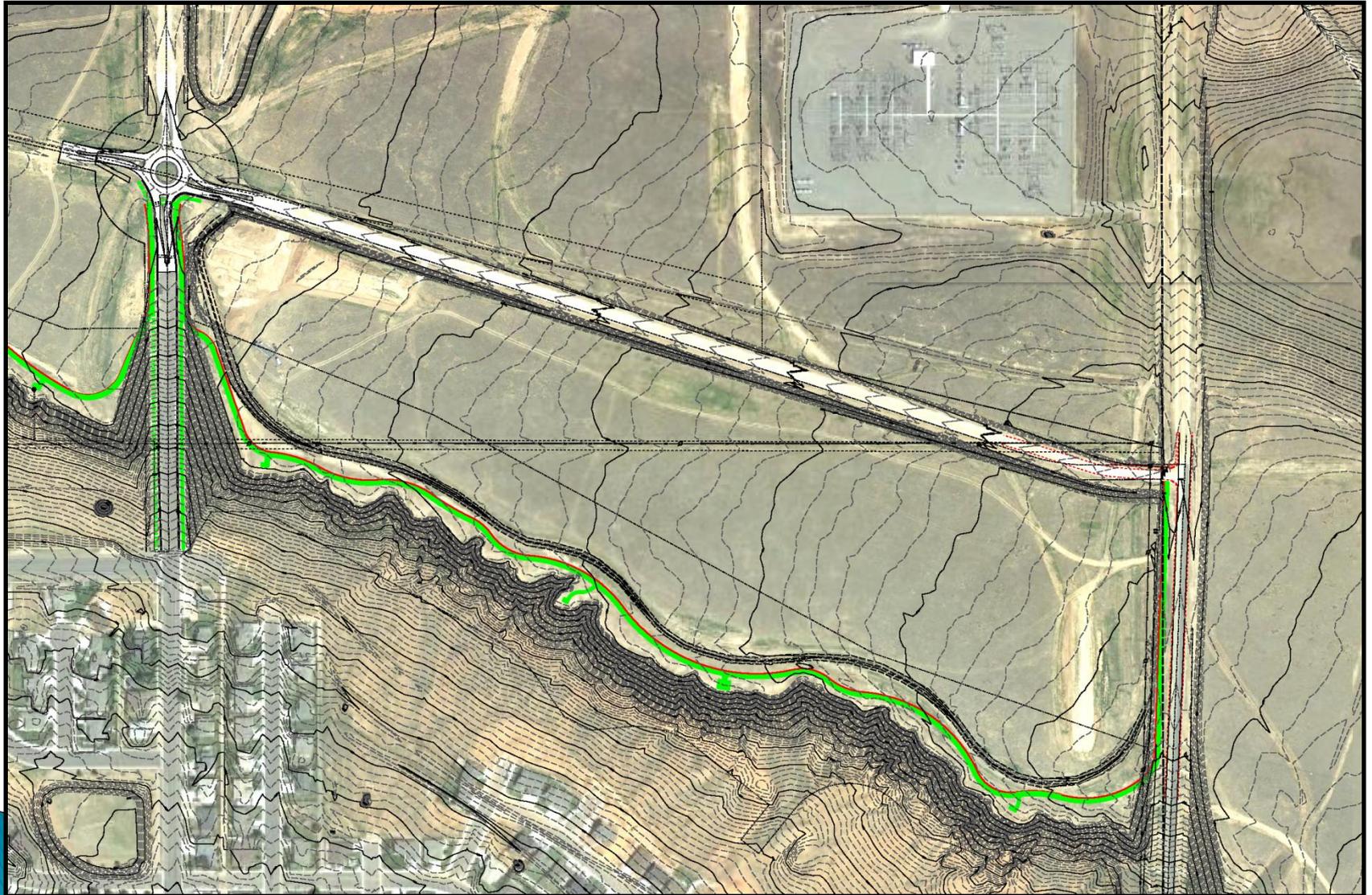
# 2016



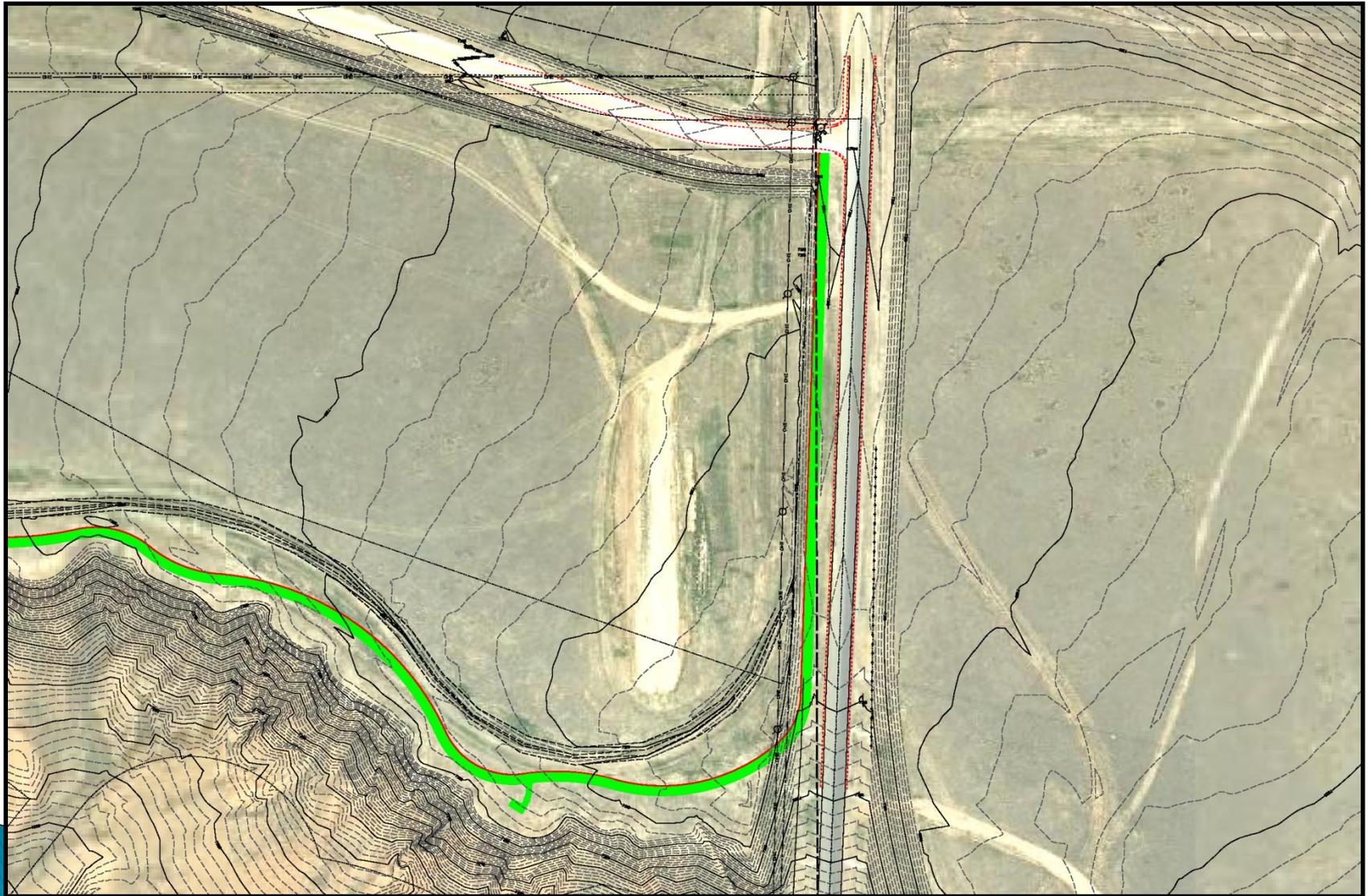
2016



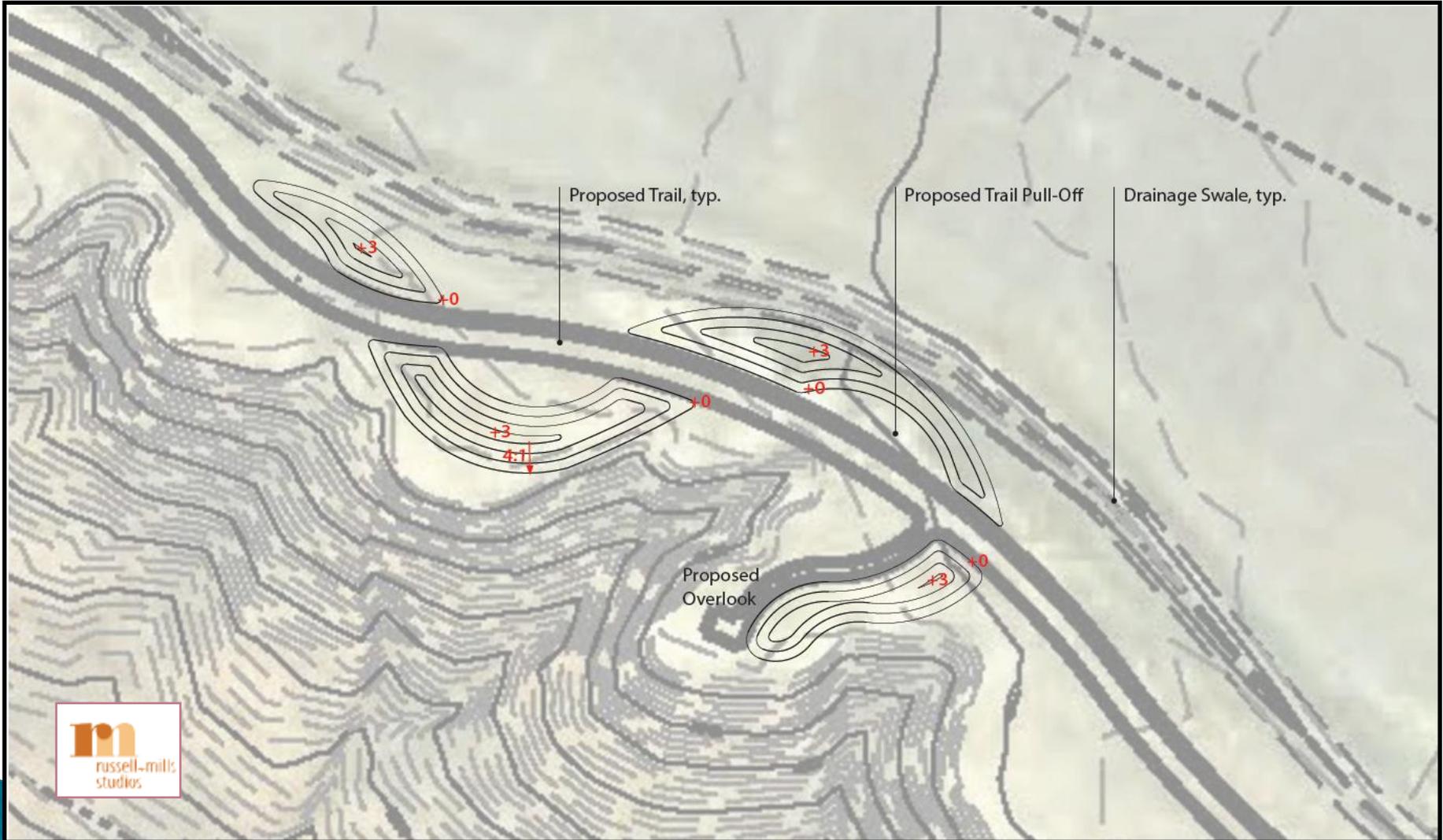
# 2016



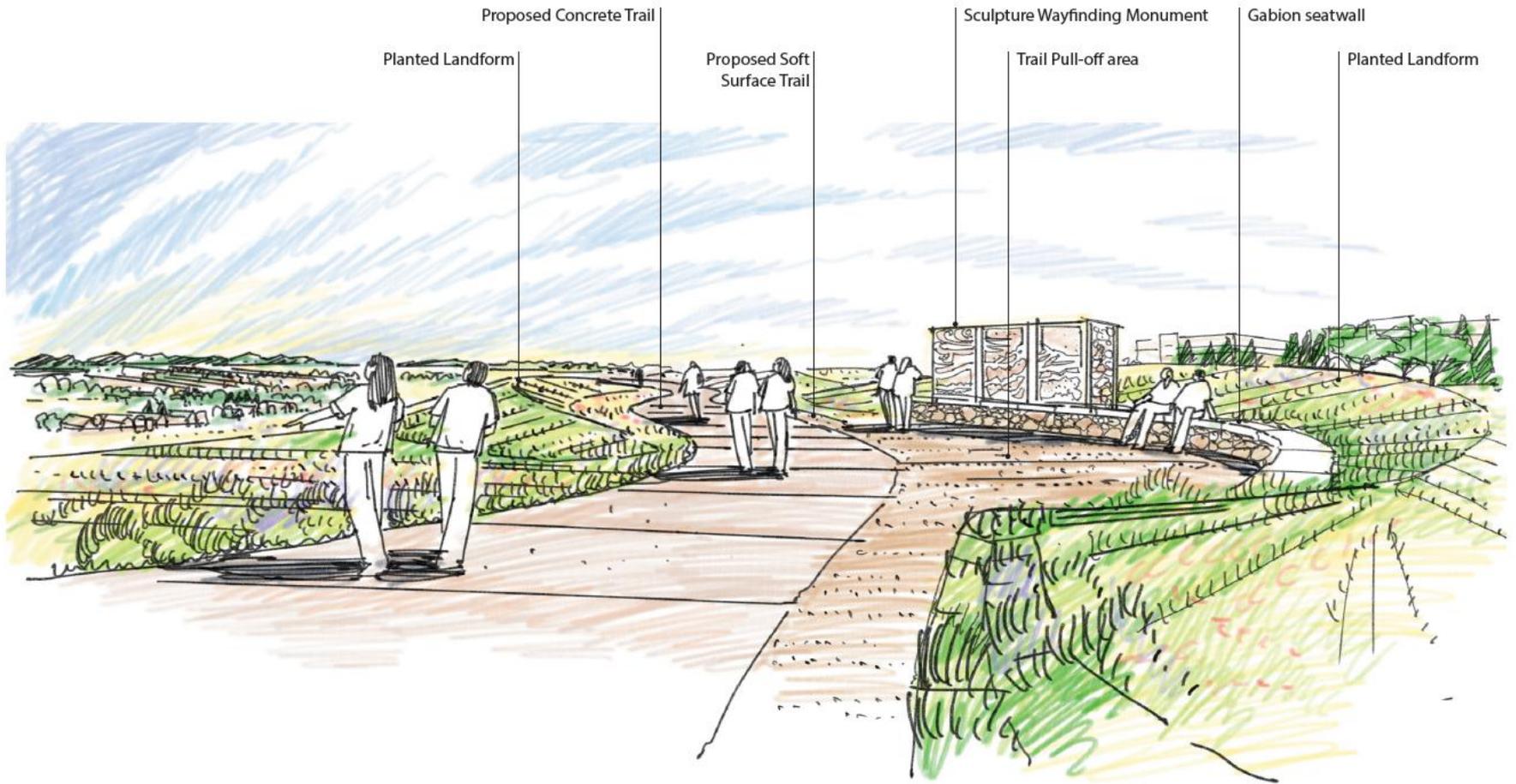
# 2016



# 2016



# 2016



# 2016



Cirrus Sky Art Theme

Snowy Range Art Theme

# 2016

## CIRRUS SKY TECH TRAIL ART



*Cirrus Cloud Image Reference*



*Snowy Range Image Reference*

- Cirrus Clouds
- Mountain Range
- Native Vegetation
- Plains Stone Circles

## REFERENCE MATERIAL

### Cirrus Clouds

The most common variation of high level clouds are cirrus clouds. Cirrus are thin, wispy clouds composed of ice crystals that originate from the freezing of supercooled water droplets and exist where temperatures are below -38 degrees Celsius. Cirrus generally occur in fair weather and move from west to east, pointing in the direction of the prevailing winds at their elevation.

### Mountain Range

The Medicine Bow Mountains are a mountain range in the Rocky Mountains that extend for 100-mile (160 km) from northern Colorado into southern Wyoming. The northern extent of this range is the sub-range the Snowy Range.

The Medicine Bow mountains extend north from Cameron Pass along the border between Larimer and Jackson counties in Colorado and northward into south central Wyoming. In Wyoming, the range sits west of Laramie, in Albany and Carbon counties to the route of the Union Pacific Railroad and U.S. Interstate 80. The mountains often serve as a symbol for the city of Laramie. The range is home to Snowy Range Ski Area.

Rocks exposed along the flanks and peaks of the Medicine Bow Mountains span the Precambrian to modern, with the peaks composed of 2.4-2.0 billion year old Medicine Peak Quartzite.

### Native Vegetation

Referencing colorful flowers that may be seen hiking in southern Wyoming and that may also be used in the reseeding along the Cirrus Sky Tech Park trail. BLANKET FLOWER, *Gaillardia x grandiflora* Height: 12-18" Width: 12-18", LEWIS' FLAX *Linum lewisii* Pursh Height 12-18" Width ~ 18" and HAREBELLS *Campanula rotundifolia* L. Height: 11-14" Width: 8-12".

### Plains Stone Circles

Nearly 4000 stone circle sites have been documented in the state of Wyoming. Circles of stones or small boulders, varying in size from seven or twelve to twenty and more feet in diameter were used to weight down the lower edges of lodge skins to prevent the structure being blown over by a hard wind. When camp was moved they were simply rolled off the leather.



*Native Vegetation Image Reference*

# 2016

## CIRRUS SKY TECH TRAIL ART

### REPRESENTATIONAL APPROACH

#### Material

Stainless or Corten Steel  
11 ga - 4' x 8' sheets

Galvanized Gabion Cages  
9 ga - 3' x 3' x 6'

Locally sourced stone gabion filler

#### Construction

11 ga - 4' x 6' steel gabion fascia representational images

#### Option

Negative space shapes can be repurposed

- Reuse in sidewalk inlay
- Reuse to create trail destination markers
- 11 ga - 2' x 2' x 3' steel scrap used to build trail destination markers



#### • Mountain Range

The Medicine Bow Mountains are a mountain range in the Rocky Mountains that extend for 100-mile (160 km) from northern Colorado into southern Wyoming. The northern extent of this range is the sub-range the Snowy Range.

#### • Cirrus Clouds

The most common variation of high level clouds are cirrus clouds. Cirrus are thin, wispy clouds composed of ice crystals that originate from the freezing of supercooled water droplets and exist where temperatures are below -38 degrees Celsius. Cirrus generally occur in fair weather and move from west to east, pointing in the direction of the prevailing winds at their elevation.

#### • Native Vegetation

Referencing colorful flowers that may be seen hiking in southern Wyoming and that may also be used in the reseeding along the Cirrus Sky Tech Park Trail: BLANKET FLOWER, *Gaillardia x grandiflora* Height: 12-18" Width: 12-18", LEWIS FLAX *Linum lewisii* Pursh Height: 12-18" Width: 18" and HAREBELLS *Campanula rotundifolia* L. Height: 11-14" Width: 8-12".

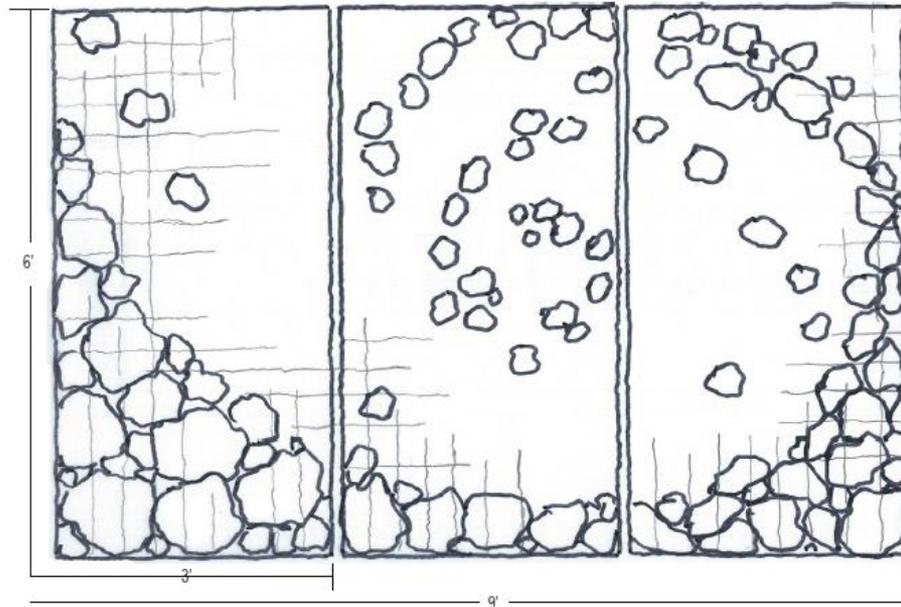
# 2016

## CIRRUS SKY TECH TRAIL ART

### ABSTRACT APPROACH

#### • *Cirrus Cloud Fill Formation*

The most common variation of high level clouds are cirrus clouds. Cirrus are thin, wispy clouds composed of ice crystals that originate from the freezing of supercooled water droplets and exist where temperatures are below -38 degrees Celsius. Cirrus generally occur in fair weather and move from west to east, pointing in the direction of the prevailing winds at their elevation.



#### Material

Galvanized Gabion Cages  
9 ga - 3' x 3' x 6'

Locally sourced gabion stone filler

#### Option

- Sandblasted concrete accent patterns representing cirrus clouds or geologic land strata



*Gabion Fill Image Reference*

# 2016

## CIRRUS SKY TECH TRAIL ART ART ACCENTS

### • *Trail Destination Markers*

#### Material

Galvanized Gabion Cages

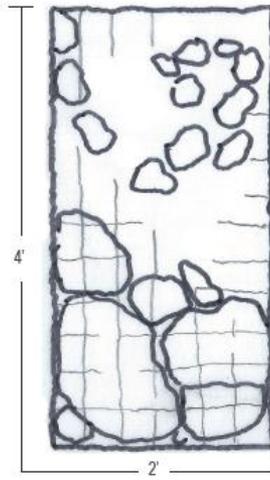
9 ga - 2' x 2' x 4'

9 ga - 2' x 2' x 2'

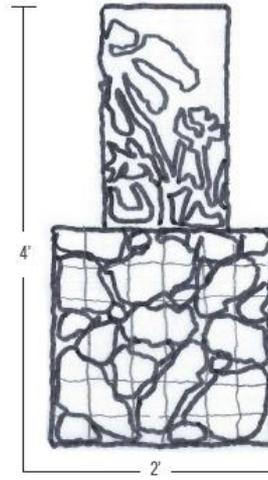
Stainless or Corten Steel Topper

11 ga - 1.75' x 1.75' x 2'

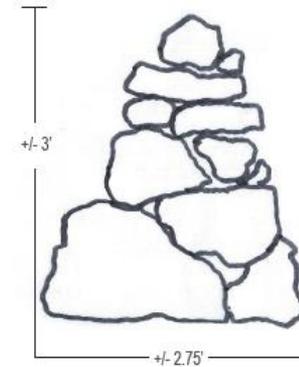
Locally sourced gabion stone filler



*Abstract Approach*

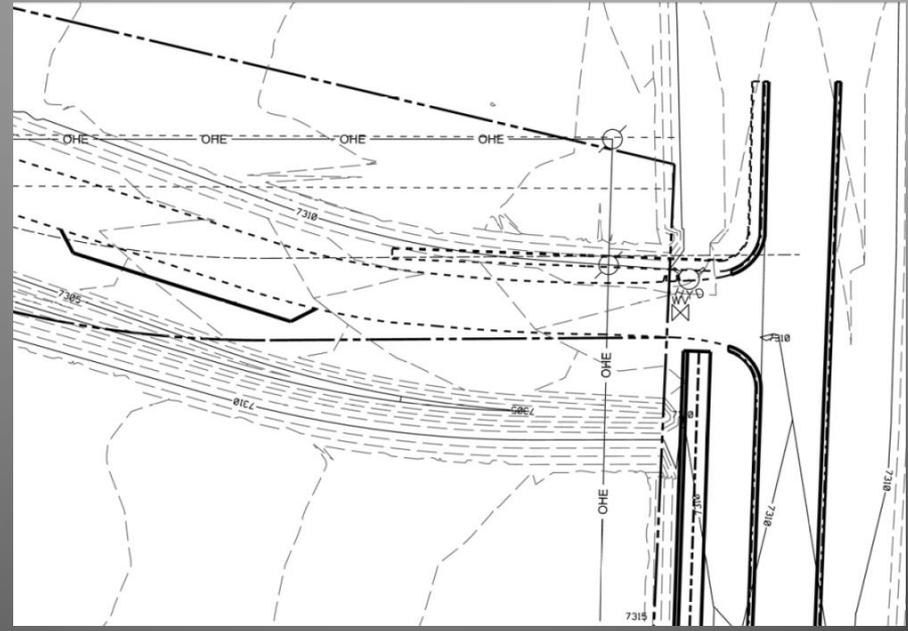
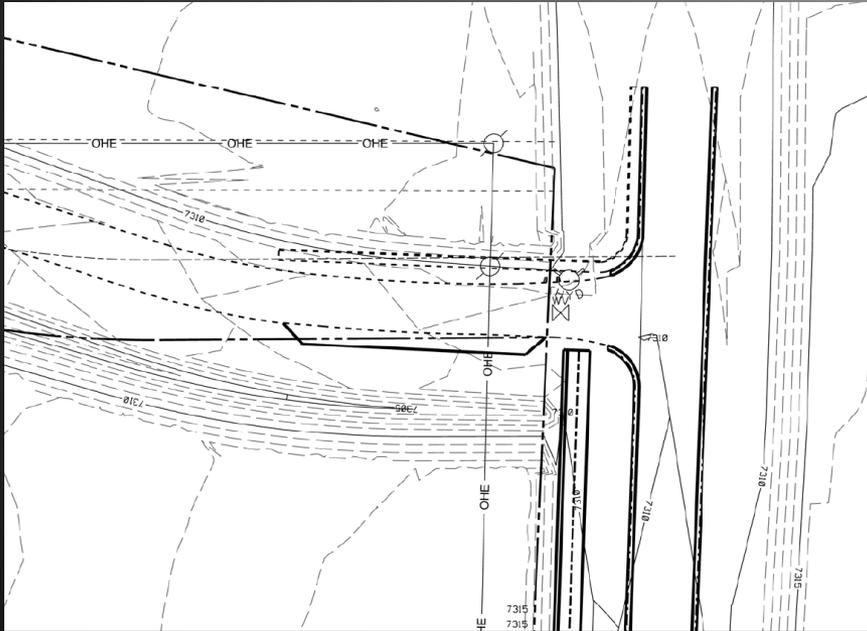


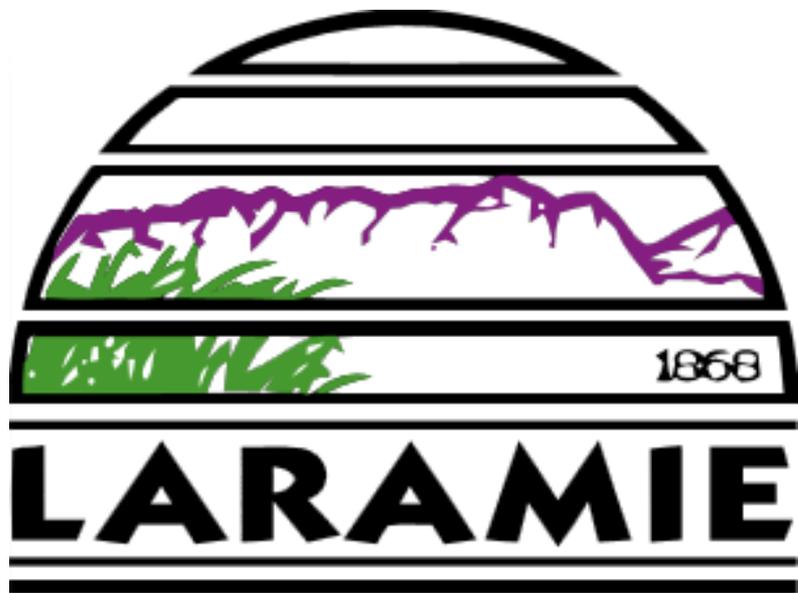
*Representational Approach*



*Land Art Approach*

# 2016





THANK YOU!

Please fill out an opinion survey and let us know your thoughts on the Cirrus Sky Trail Project!