



Open Space Advisory Board Agenda

**Wednesday, December 11, 2019
Library 1st Floor Meeting Room
951 Spruce Street
7:00 PM**

1. Call to Order
2. Roll Call
3. Approval of Agenda
4. Approval of Minutes
5. 7:05 pm Staff Updates (5 Minutes)
 - A. Change Regarding City Council Liaisons to Boards
 - B. Update on Elephant Park Playground
6. 7:10 pm Board Updates (10 Minutes)
 - A. Resolution of Appreciation for:
 - (1) Mike Shantz
 - (2) Fiona Garvin
7. 7:20 pm Public Comments on Items Not on the Agenda (5 Minutes, more time as needed)
8. 7:25 pm Action Items: Nawatny Ridge Development Plan. Presented by Nathan Mosley, Director of Parks, Recreation, and Open Space (60 Minutes)
 - A. Planning Department Update, Rob Zuccaro, Director of Planning
 - B. Applicant Presentation, Bruce Baukol Capital Partners
9. 8:25 pm Action Item: Determine the Highest Priority “Objectives” for the Management of Open Space for Tomorrow (MOST) Priorities. Project by the MOST Tiger Team (15 Minutes)
10. 8:40 pm Action Item: Review and Finalize Memorandum Regarding OSAB’s Position on the Davidson Mesa Dog Off-Leash Area for the

City of Louisville

*Parks & Recreation Department 749 Main Street Louisville CO 80027
303.335.4735 (phone) 303.335.4738 (fax) www.LouisvilleCO.gov*

Management of Open Space for Tomorrow Project. Presented by
Mike Shantz, OSAB Member (10 Minutes)

11. 8:50 pm Action Item: Review and Finalize 2019 OSAB
Accomplishments (10 Minutes)
12. 9:00 pm Discussion Item: Review and Recommendations Regarding
2020 Education and Outreach Programing (10 Minutes)
13. 9:10 pm Discussion Items for Next Meeting on January, 2020 (5
Minutes)
14. 9:15 pm Adjourn

Open Space Advisory Board Meeting Minutes

Wednesday November 13, 2019, 7:00pm

Louisville Public Library: First Floor Meeting Room
951 Spruce Street

1. **Call to Order**

Laura called the meeting to order at 7:00 pm.

2. **Roll Call**

Board Members Present: Laura Scott Denton, Peter Gowen, Fiona Garvin, Helen Moshak, Mike Schantz, David Blankinship, Tom Neville

Board Members Absent: Missy Davis

City Council Members Present: None

Staff Members Present: Ember Brignull, Nathan Mosley

3. **Approval of Agenda**

Peter moved to approve the agenda as written. Tom seconded. The motion passed unanimously.

4. **Approval of Previous Meeting's Minutes**

Mike requested to revise the following paragraph in item 10 to clarify what he agreed to do:

“Fiona suggested placing one sentence in the Resource Management section noting the low priority of DOLA management, and referring readers to the Appendix to read the full summary. Mike agreed to write this appendix.”

Revised paragraph:

Fiona suggested placing one sentence in the Resource Management section noting the low priority of DOLA management, and referring readers to the Appendix to read the **summary memo. Mike agreed to write this memo.**

Mike clarified that the short memo comprises the “appendix” referred to in other parts of item 10.

Peter moved to approve the minutes with the aforementioned change(s). Tom seconded. The motion passed unanimously.

5. **Staff Updates – Ember**

See updates provided by Ember on page 6 of the November 2019 OSAB Meeting packet.

- A. Nathan asked that all interested in the field trip to Nawatny Ridge to RSVP by Thursday, 11/14/2019, for final count on box lunches. Field trip will take place Saturday, 11/16/2019, 12:00-3:00 pm. Planning Department staff & Site Applicant will attend the next OSAB meeting to present information related to the

general development plan. The current plan shows 77 acres designated as Open Space; review is needed to evaluate amount and type/purpose of Open Space designations.

- B. Helen asked for details on the Coyote Run work. Ember replied that work is in progress on the sidewalk continuation on east side of Washington, and improving the alignment & adding a segment on the west side of Washington. Ember noted that Public Works is going to install school “bump-out” zones once the crosswalks are completed. Several board members expressed concern about school crossing areas being located too close to a corner; cars can go fast on this street.
- C. Ember noted two new staff members have started work: Benjamin White-Paterino (Ranger) and Steve Roels (Senior Naturalist Resource Specialist).
- D. Nathan gave an update on the underpass at Hwy 42: Work in progress and will continue through late spring 2020.
- E. David asked if other trail projects are on the horizon: Nathan reported TIP funding was received for the 104th Street project. Funding for design phase will occur in 2020, and funding for building phase will occur in 2022.
- F. David asked if there’s anything OSAB can do to keep working on the proposed railroad underpass near Bullhead Gulch (currently on hold due to cost issues). Ember said OSAB can brainstorm alternative routes, and we can discuss with Planning Department. in the coming year.

6. City Council Liaison Update

None.

7. Board Updates

- A. Peter noted that he attended last Walk & Talk with Mayor Muckle on Mayhoffer property.
- B. Fiona reported that she is not applying for a second term. Therefore, a new Secretary for OSAB will need to be identified.

8. Public Comments on Items Not on the Agenda

None.

9. Discussion Item: Priorities, Goals, and Action Items for Future Management of City Open Space. Presented by The Management of Open Space for Tomorrow (MOST) OSAB Tiger Team (see page 7-9 of the November, 2019 OSAB Meeting packet).

Helen led the process of soliciting action items for each Goal/Objective from OSAB members. Helen and Ember will consolidate the responses and prepare an updated MOST Priorities and Goals document.

- 10. Discussion Item: Social Trails on Open Space. Presented by David Blankenship, OSAB Member** (see pages 10-12 of the November 2019 OSAB Meeting packet) David introduced the topic and reviewed the summary in the packet. Peter suggested using the term “unimproved” instead of “single-track”. Fiona and Helen suggested “dirt”. Mike asked Ember about the implications of “dirt trails” regarding ADA accessibility. Ember noted that the City tries to make trails ADA-compliant where possible; our trails are generally assessed as being useable for wheelchairs, including the crusher fines trails.

Fiona asked if dirt trails would be open to bikes; David said his thinking was not, due to narrow width. Fiona noted that if an existing social trail serves a clear bicyclist need, it should be developed and widened as a true bicycle-serving trail.

Mike suggested that an inventory is a good starting point; this will help us determine which trails should be closed, which “adopted” as-is, and which should be developed as crusher fines or pavement. He noted that it’s a lot of work to do this inventory. Fiona noted that closures have budget implications as well due to staff time and materials to perform and enforce the closure.

David noted that many social trails are short-cuts, and these might be the easiest to close, if so decided. Nathan suggested prioritizing social trails that serve the overall network best.

Mike suggested having an overall plan for designation or closure in the context of the entire trail system, and that it be carried out in a systematic way. Mike suggested that OSAB members could provide input to staff re: trails to designate as “dirt” and trails to designate for closure, and that staff can review and plan accordingly. Ember noted that there may be legal implications for maintenance if the trails are “official” and on the trail system maps. She noted that Louisville does not have a definition for this new type of trail, and this concept would need to be formalized. Fiona suggested selecting a few obviously resource-damaging short-cuts for OS staff to try to close, as this could be performed without amending trail definitions (such as the switchback “cutting” on North Open Space).

Nathan and Ember agreed to work with staff to discuss a “pilot project” for closing a few of these trails. OSAB members can email Nathan and Ember with suggestions for possible “closure” candidates.

- 11. Discussions Items for the Next Meeting on Wednesday, Dec. 11, 2019**
- A. Finalize OSAB 2019 Goals & Objectives
 - B. Trail updates: Hecla to Waneka; Lake to Lake
 - C. Dutch Creek/Elephant Park Design and Potential Impacts to Open Space (Allan Gill/Nathan Mosley)
 - D. Board recommendations for OSAB 2020 Goals
 - E. DOLA memo: review/discuss
 - F. Nawatny Ridge: Planning Dept. & Applicant
 - G. Updated MOST Priorities and Goals document: discussion

- 12. Adjourn**
The meeting adjourned at 9:25 pm.

Memorandum

To: Open Space Advisory Board
From: Ember Brignull, Open Space Superintendent
Date: December 11, 2019
Re: Staff Updates

General:

- Coyote Run Trail work is 54% complete. The sidewalk on the east side of Washington is complete with the exception of the ADA curb ramp and seeding. Half of the Powerline Trail has been installed.
- A contract has been selected for the fence installation at Dutch Creek Open Space and County Road & 96th Street.
- Staff is attending the Colorado Weed Management Association conference on December 4th and 5th.
- The Davidson Mesa Vegetation Monitoring Report on the eastern half of the property has been submitted and is available for viewing on the Open Space webpage.
- Staff has replaced four dead shrubs at the Hecla Lake Open Space wildlife habitat area.
- Staff has been supporting snow removal efforts on trails and City Facilities.

Education:

Past:

- Saturday, November 16, 2019 from 9:00 to 10:30 am, DOLA Poop Pick-up, volunteer event. Davidson Mesa Open Space. 55 participants.
- Wednesday, November 20, 2019 from 6:00 to 7:00 pm, Boy Scout Program. Private residence. 14 participants.
- Thursday, November 21, 2019 from 6:00 to 7:30 pm, Learn to Navigate. Louisville Library Meeting Room, 1st floor (951 Spruce St.). 7 participants.
- Tuesday, December 3, 2019 from 7:00 to 8:00 pm, Birds of Prey. Louisville Library Meeting Room, 1st floor (951 Spruce St.). 50 participants.

Upcoming:

- Sunday, December 15, 2019 from 8:00 to 11:00 am, Christmas Bird Count. Harper Lake trailhead, McCaslin Blvd. and Washington Ave. All ages.
- Wednesday, January 1, 2020 from 10:00 to 11:00 am, First Day Hike. Davidson Mesa trailhead, McCaslin Blvd. All ages.

Memorandum

To: Open Space Advisory Board (OSAB)
From: Nathan Mosley, Director of Parks, Recreation and Open Space
Date: December 11, 2019
Re: Nawatny Ridge GDP and Land Dedication Review

Purpose:

The purpose of this agenda item is to allow the City of Louisville Planning Department staff as well as the applicant to provide current information related to a development proposal for the property formally known as Storage Tech/Phillips66.

Materials provided by the Planning Department and the applicant will provide OSAB members with information related to the proposed development.

OSAB's role at the GDP phase is to provide feedback and a formal recommendation to Open Space staff/City Council regarding the land dedication proposal. Some items that OSAB should consider are:

- Amount of land dedicated
- Location of the land dedicated
- Condition and/or appropriateness of the land dedicated for the intended purpose
- Improvements needed to restore the land or provide amenities
- Programming or use of the land dedicated
- Public access to the dedicated land or connections created by the land dedications
- Preferences for cash-in-lieu over actual land dedication.

When the City reviews the final subdivision plat and PUD application, OSAB will have the opportunity to review and provide additional recommendations/feedback.

Next Steps:

OSAB should provide a formal recommendation regarding the land dedication and be prepared to review and provide feedback/recommendations of future submittals related to Final Plat/PUD at subsequent board meetings.

To: Open Space Advisory Board
From: Department of Planning and Building Safety
Subject: Nawatny Ridge GDP and Land Dedication Review
Date: December 11, 2019

Summary

The applicant, Brue Baukol Capital Partners, proposes an amendment to the ConocoPhillips Campus General Development Plan (GDP) (see Attachment 1). A GDP provides a general land use plan, circulation plan and supplementary development standards for properties zoned Planned Community Zone District (PCZD). The GDP provides a master development concept for the property and sets up a property for subsequent City approvals of subdivision plats and Planned Unit Development site plans for each development within the master plan area. The purpose of the PCZD zoning is to provide for “contemporary land planning principles and coordinated community design.”

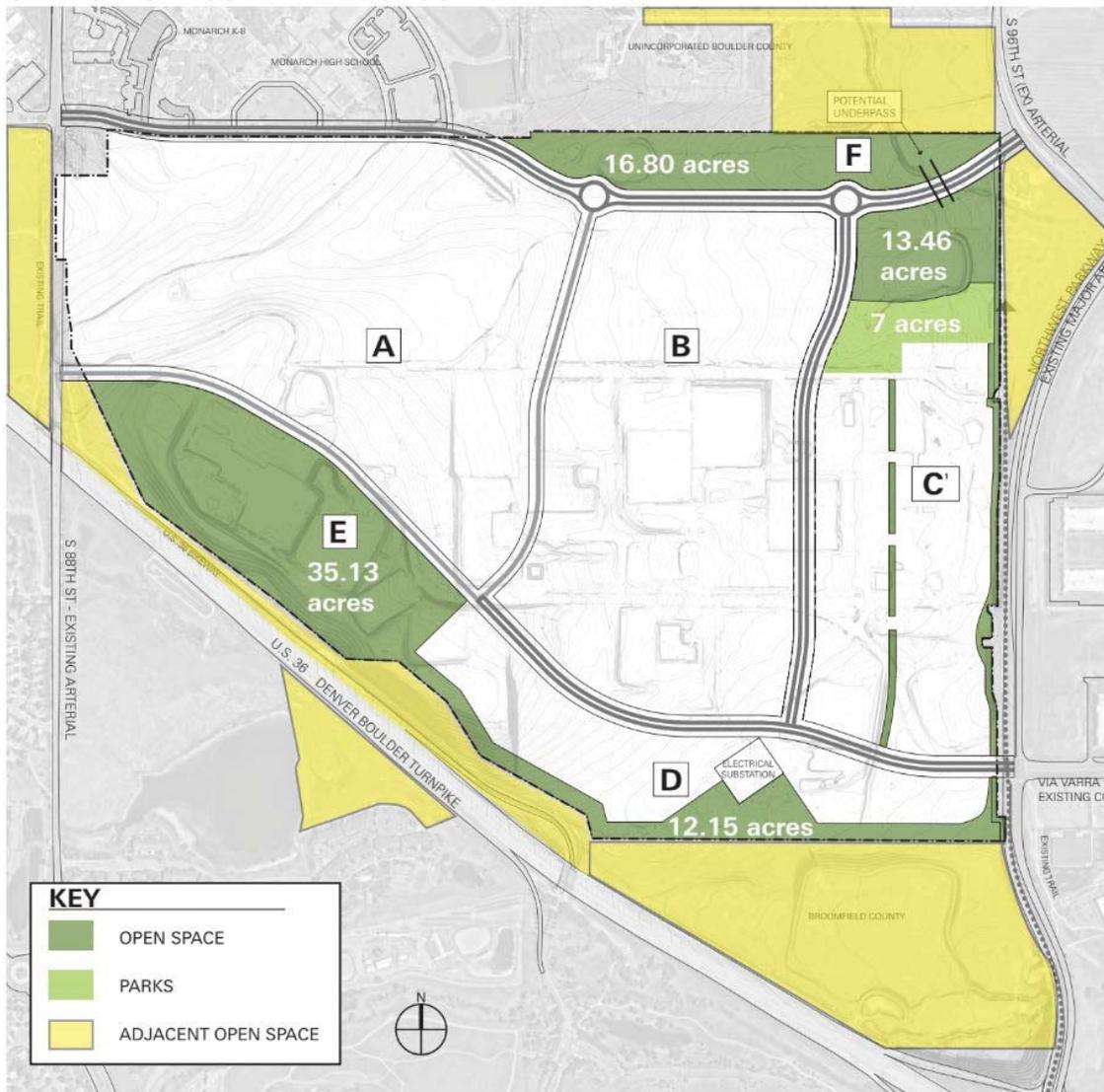
[LMC Sec. 17.72.010](#). The purpose of the planned community zone district is to encourage, preserve and improve the health, safety and general welfare of the people of the city by encouraging the use of contemporary land planning principles and coordinated community design. The planned community zone district is created in recognition of the economic and cultural advantages that will accrue to the residents of an integrated, planned community development of sufficient size to provide related areas for various housing types, retail and service activities, recreation, schools and public facilities, and other uses of land.

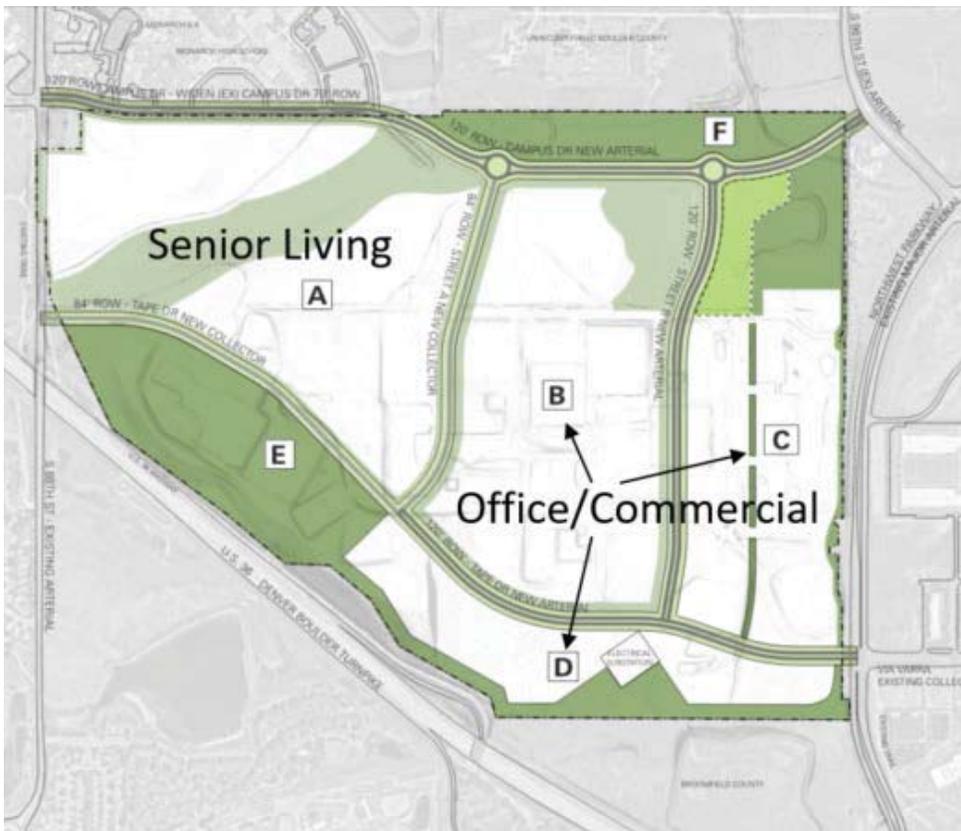
The 2010 ConocoPhillips Campus GDP covers approximately 391 acres and outlined a general access plan; limited maximum building density to a gross Floor Area Ratio (FAR) of 0.15 (approx. 2.5M sq. ft.); included a list of permitted land uses to support a ConocoPhillips research and training campus; provided parking standards; and set an intent for building heights between 65’ and 95’ (see Attachment 2).

The proposed 1st Amendment to the ConocoPhillips Campus GDP (Nawatny Ridge GDP) includes an updated access plan; expands allowed land uses (a 1,500 unit senior living community in Area A, and a mix of office and commercial uses in Areas B, C and D); increases allowed gross FAR to 0.38 (6.4M sq. ft.); updates parking standards; and states an intent to allow building heights up to 75’. The Nawatny Ridge GDP also includes a proposal for dedication of park and open space lands.

This proposal for land dedication is, in part, to meet the “Public sites and dedications” requirements of [LMC Sec. 16.16.060](#). Public land dedication may be used for any public purpose, such as parks, open space, schools, or any other public purpose determined by the City. The city may also require cash in lieu of land dedication based on appraised value of the land. Residential development must dedicate a minimum of 15% of the total land area and non-residential development must dedicate a minimum of 12% of the total land area. The current proposal is to dedicate 77.54 acres for open space and 7 acres for parks (see graphic below, which updates the GDP open space plan in Attachment 2). City staff has requested from the applicant to formalize the intended dedications through the GDP process and finalize the dedications at time of final subdivision plat. Staff estimates that the minimum land dedication will equate to roughly 40 acres.

OPEN SPACE - CURRENT PROPOSAL





In addition to the land dedication requirements of the City's subdivision ordinance, when site-specific developments are reviewed through the Planned Unit Development process, additional open space lands may be required. For example, [LMC Sec. 17.28.080](#) provides that additional open space beyond the

subdivision land dedication standards may be required through the PUD process based on a list of potential factors. In addition, if waivers from the zoning standards are requested under [LMC Sec. 17.28.110](#) the criteria for approval includes requirements for additional open space beyond the subdivision land dedication standards. While these land dedication requirements are not part of this GDP review process, OSAB should be aware of these additional requirements that will be reviewed with future PUD applications.

Role of PROS Advisory Boards

Each Parks, Recreation and Open Space (PROS) advisory board has a different purview with respect to the development proposal. The City staff is seeking the formal recommendation of each of the PROS advisory boards on the applicant's GDP and land dedication proposal. The City's municipal code and City Council enabling resolutions define each board's role, as summarized below.

PPLAB

The City Council established the Parks and Public Landscaping Advisory Board in 2015 through Resolution 65, Series 2015. The role of the board as it relates to this development is:

- To assist the City Council and staff in determining the community's needs and desires for parks, programs and facilities in relationship to parks related issues in the Parks, Recreation, Open Space, and Trails Master Plan;
- To advise the City Council and staff on park and public landscape maintenance, development, and redevelopment, and review referrals for proposed landscape plans for public areas.

OSAB

The City defines the role of the Open Space Advisory Board in Title 4 of the Louisville Municipal Code. Per *Sec. 4.02.040 – Ongoing duties*, as it relates to this development, the board shall:

- Provide comments to the council and/or planning commission on development proposals for land immediately adjacent to, or materially impacting, open space lands providing the comments during the standard referral timelines established for the city's development processes;
- Provide input on the location of trails and paths on open space lands;
- Provide recommendations as to how open space within the city's boundaries and immediately adjacent thereto can best coexist with surrounding private land;
- Provide recommendations as to how the city can manage park and other land adjacent to open space lands in a manner that best promotes the continued integrity of open space;
- Provide any additional recommendation on open space issues the board finds appropriate.

RAB

The City Council established the Recreation Advisory Board in 2017 through Resolution 54, Series 2017. The role of the board as it relates to this development is:

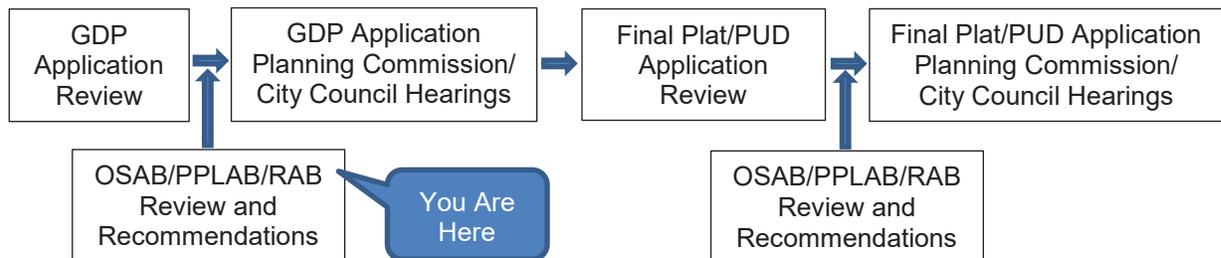
- To assist the City staff and Council in determining the community's needs and desires for recreation and golf facilities;
- To advise the City staff and Council on maintenance, development, and redevelopment of recreation and golf facilities;
- To advise the City staff and Council on medium and long-range planning for recreation and golf facilities.

Staff has provided the following potential topics that OSAB could consider in providing feedback to the developer and a formal recommendation to the City Council on the current proposal:

- Amount of land dedicated
- Location of the land dedicated
- Condition and/or appropriateness of the land dedicated for the intended purpose
- Improvements needed to restore the land or provide amenities
- Programming or use of the land dedicated
- Public access to the dedicated land or connections created by the land dedications
- Preferences for cash-in-lieu over actual land dedication.

Next Steps

Each PROS advisory board will hold a public meeting to review the GDP and the public land dedication proposal. At this meeting, Staff is seeking a formal recommendation from OSAB to City Council on the GDP/land dedication proposal. This recommendation will be forwarded to the Planning Commission and City Council when they review the application. OSAB should anticipate reviewing a final version and the land dedication proposal through a subsequent final subdivision plat proposal.



Attachments

1. ConocoPhillips Campus GDP Amendment, 1st Amendment (Nawatny Ridge GDP)
2. ConocoPhillips Campus GDP (2010)



Nawatny Ridge - Development Summary

Developable	211.66	54%
Open Space	157.65	40%
ROW ¹	21.51	6%
Total	390.82	100%

¹ 15 ACRES OF THE 36.5 ACRE ROW HAS BEEN EXTRACTED FROM THE ROW TOTAL AND COUNTED TOWARDS OPEN SPACE PER SEC. 17.28.080 OF LMC AND SEC. 14 OF CDD95.

	Total Acres	Parcel				Site	
		Developable	Common Open Space	Other Lands	Parks	ROW Amenity Zone	ROW Vehicular Zone
Parcel A	103.67	72.57	31.10	-	-	-	-
Parcel B	90.00	63.00	27.00	-	-	-	-
Parcel C	68.21	47.75	-	13.46	7.00	-	-
Parcel D	40.49	28.34	-	12.15	-	-	-
Parcel E	35.13	-	-	35.13	-	-	-
Parcel F	16.80	-	-	16.80	-	-	-
ROW	36.51	-	-	-	-	15.00	21.51
Total	390.82	211.66	68.10	77.54	7.00	15.00	21.51

GENERAL NOTE:

1. PARCEL E AND PARCEL F SHALL BE DEDICATED AS OPEN SPACE TO THE CITY OF LOUISVILLE PRIOR TO THE DEVELOPMENT ON THE REMAINING PARCELS. SUBJECT TO CONTINUED COMPLIANCE WITH ANY APPLICABLE INTERGOVERNMENTAL AGREEMENTS, OWNER SHALL HAVE THE RIGHT TO RELOCATE THE REMAINING OPEN SPACE THROUGHOUT THE REMAINING PARCELS AS OWNER DEEMS APPROPRIATE TO MAKE THE BEST USE OF SUCH OPEN SPACE, WHICH MAY INCLUDE CONSIDERATIONS OF CONNECTIVITY, ACCESSIBILITY AND GENERAL SITING.

LEGEND

- DEVELOPMENT AREAS
- OPEN SPACE - OTHER LANDS
- COMMON OPEN SPACE
- OPEN SPACE- AMENITY ZONE
- PARKS



TRYBA ARCHITECTS
1620 Logan Street
Denver Colorado 80203
303.831.4010



CONOCOPHILLIPS CAMPUS GENERAL DEVELOPMENT PLAN, 1ST AMENDMENT

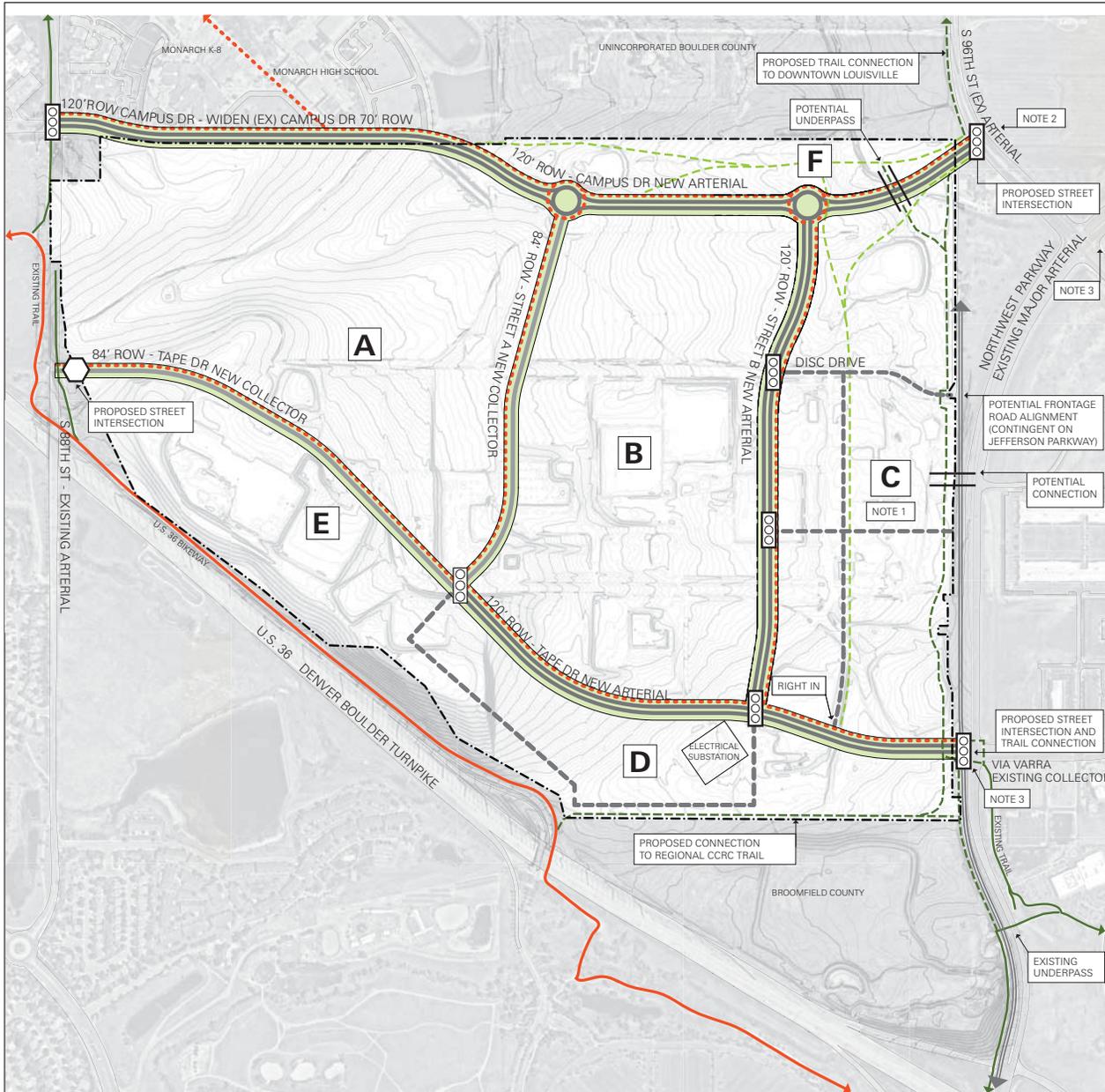
Nawatny Ridge

CITY OF LOUISVILLE, BOULDER COUNTY, STATE OF COLORADO
2270 SO. 88TH STREET, LOUISVILLE, CO

ISSUED FOR: DATE:
GDP SUBMITTAL 10/02/2019

DEVELOPMENT PLAN

PROJECT INFORMATION



GENERAL NOTE:

1. TRAFFIC CIRCULATION PATTERNS DEPICTED ACROSS THE PLANNING AREAS ARE CONCEPTUAL AND SUBJECT TO MODIFICATION.

KEY NOTES:

1. ALL BLOCKS WITHIN PARCEL C WILL FOLLOW LMC
2. 96TH AND CAMPUS INTERSECTION: THIS NEW INTERSECTION WILL BE CONFIGURED AS A SIGNALIZED INTERSECTION BASED ON THE YEAR 2022 TRAFFIC ANALYSIS. THE NEW CONFIGURATION WILL INCLUDE TRAFFIC SIGNALS, NEW LANE GEOMETRY, PROTECTED BIKE LANES, SHOULDERS FOR BUS RAPID TRANSIT, MULTI-USE PATH CONNECTIONS AND FIRE STATION ACCESS. THE YEAR 2040 INTERSECTION CONFIGURATION WILL NEED TO BE DETERMINED IN CONSULTATION WITH LOUISVILLE, BROOMFIELD, AND NWP STAFF AND ITS DESIGN WILL NEED TO CONSIDER THE PROPOSED GRADE SEPARATION AT 96TH AND NWP AND FRONTAGE ROAD ACCESS FROM NWP TO US 36.
3. TAPE DR AND NWP INTERSECTION: THIS EXISTING SIGNALIZED INTERSECTION WILL BE MODIFIED BASED ON THE YEAR 2022 TRAFFIC ANALYSIS. THE RECONFIGURATION WILL INCLUDE TRAFFIC SIGNAL TIMING ADJUSTMENTS, NEW LANE GEOMETRY, SHOULDERS FOR BUS RAPID TRANSIT, AND MULTI-USE PATH CONNECTIONS. THE YEAR 2040 INTERSECTION CONFIGURATION WILL NEED TO BE DETERMINED IN CONSULTATION WITH LOUISVILLE, BROOMFIELD, AND NWP STAFF AND ITS DESIGN WILL NEED TO CONSIDER GRADE SEPARATION AND FRONTAGE ROAD ACCESS FROM NWP TO US 36.

LEGEND

- SIDE STREET TWO-WAY STOP CONTROL
- SIGNALIZED INTERSECTION
- ARTERIAL
- COLLECTOR
- OPEN SPACE- AMENITY ZONE
- TWO-WAY PROTECTED BIKEWAY
- TRAIL- HARDSCAPE
- TRAIL - SOFTSCAPE
- (EX) TWO-WAY PROTECTED BIKEWAY
- (EX) MULTI-USE PATH
- POTENTIAL LOCAL STREET
- POTENTIAL FRONTAGE ROAD

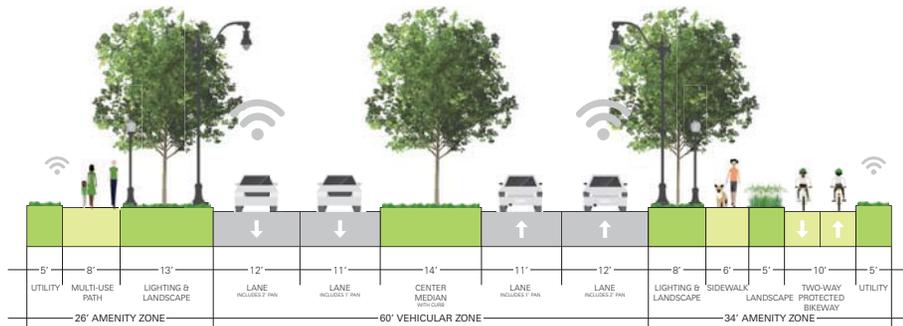


CONOCOPHILLIPS CAMPUS GENERAL DEVELOPMENT PLAN, 1ST AMENDMENT
Nawatny Ridge
 CITY OF LOUISVILLE, BOULDER COUNTY, STATE OF COLORADO
 2270 SO. 88TH STREET, LOUISVILLE, CO

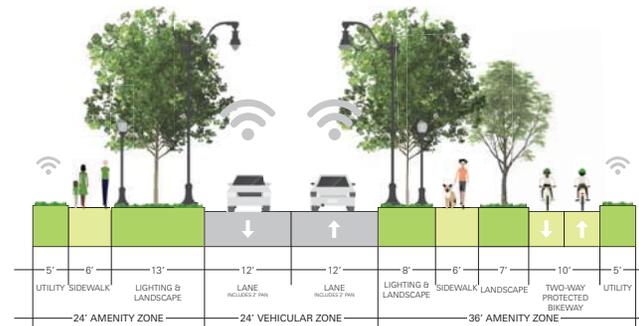
ISSUED FOR: DATE:
 GDP SUBMITTAL 10/02/2019

CIRCULATION PLAN

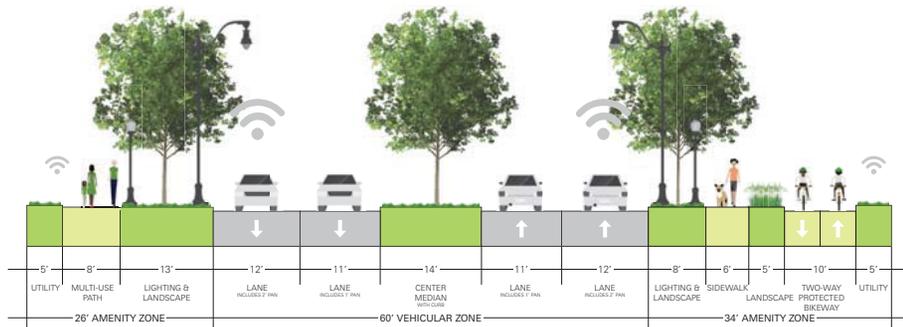
PROJECT INFORMATION



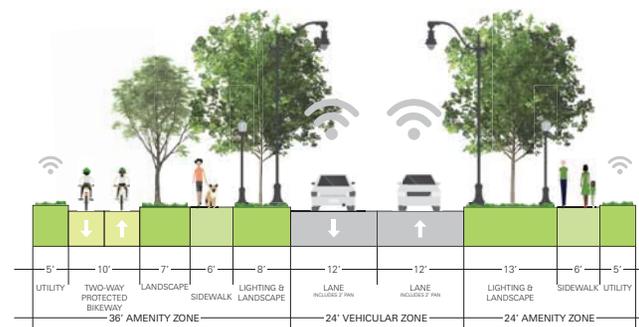
TAPE DRIVE AND CAMPUS DRIVE 120' R.O.W. ARTERIAL - LOOKING WEST



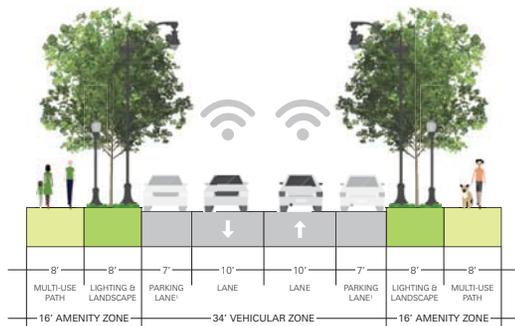
TAPE DRIVE 84' R.O.W. COLLECTOR - LOOKING WEST



STREET B 120' R.O.W. ARTERIAL - LOOKING NORTH



STREET A 84' R.O.W. COLLECTOR - LOOKING NORTH

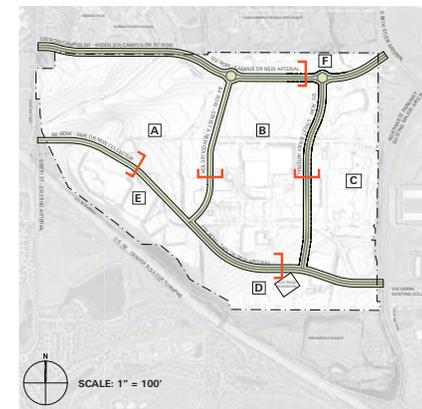


TYPICAL LOCAL ST 60'-66' R.O.W.

*ON-STREET PARKING TO BE APPLIED AS NEEDED. TO BE DETERMINED IN THE PUD PROCESS

GENERAL NOTES:

- CROSS-SECTIONS HAVE BEEN TAKEN FROM MIDBLOCK LOCATIONS. INTERSECTION DESIGN WILL BE DETERMINED DURING THE SUBDIVISION AND PUD PROCESS.
- THE UTILITY ZONES WILL HAVE SUB TERRAIN SPACE FOR FIBER-OPTIC AND OTHER INTELLIGENT TRANSPORTATION SYSTEMS (ITS) THAT ARE RECOMMENDED BY COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) CONNECTED AND AUTONOMOUS VEHICLES PROGRAM. THE OUTSIDE TRAVEL LANES WILL ALSO HAVE SPACE FOR SUB TERRAIN AND IN PAVEMENT SYSTEMS THAT CAN ACCOMMODATE CONNECTED VEHICLES (CVS) IN THE FUTURE. GUIDANCE AND COORDINATION WITH CDOT'S CONNECTED AND AUTONOMOUS VEHICLES PROGRAM MANAGER WILL OCCUR AS ADDITIONAL DETAILS ARE MADE AVAILABLE.



SCALE: 1" = 8'



PARCEL A- INFRASTRUCTURE PHASING NARRATIVE

GENERAL NOTE:

1. THE PHASING PLANS FOR PUBLIC IMPROVEMENTS SHOWN ON THIS SHEET ARE ILLUSTRATIVE AND ARE INTENDED ONLY TO GUIDE POTENTIAL PHASING OF IMPROVEMENTS THROUGH THE SUBDIVISION AND PUD PROCESS. AT SUCH TIME AS OWNERS SUBMIT A SITE PLAN APPLICATION FOR ANY PARCEL(S), THE SCOPE, NATURE AND EXTENT OF PUBLIC IMPROVEMENTS NECESSARY TO SUPPORT THE DEVELOPMENT PROPOSED ON SUCH PARCEL(S) SHALL BE DETERMINED.

KEY NOTES:

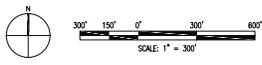
1. STREET A TO BE BUILT WHEN PARCELS A AND B HAVE BEEN DEVELOPED
2. CONSTRUCT INTERIM ROAD TO PROVIDE ACCESS. ACCESS POINT AND FUTURE ROW PHASING TO BE DETERMINED DURING SUBDIVISION AND PUD PROCESS.

POTENTIAL DEVELOPMENT PROGRAM:

NEAR-TERM- 700,000 GSF
 FULL BUILD OUT- 2,500,000 GSF

LEGEND

- DEVELOPMENT AREAS
- INTERIM ACCESS ROAD
- NEW ROAD
- PARCEL A
- OPEN SPACE - OTHER LANDS
- TRAIL - HARDSCAPE
- TRAIL - SOFTSCAPE
- (EX) TWO-WAY PROTECTED BIKEWAY
- (EX) MULTI-USE PATH

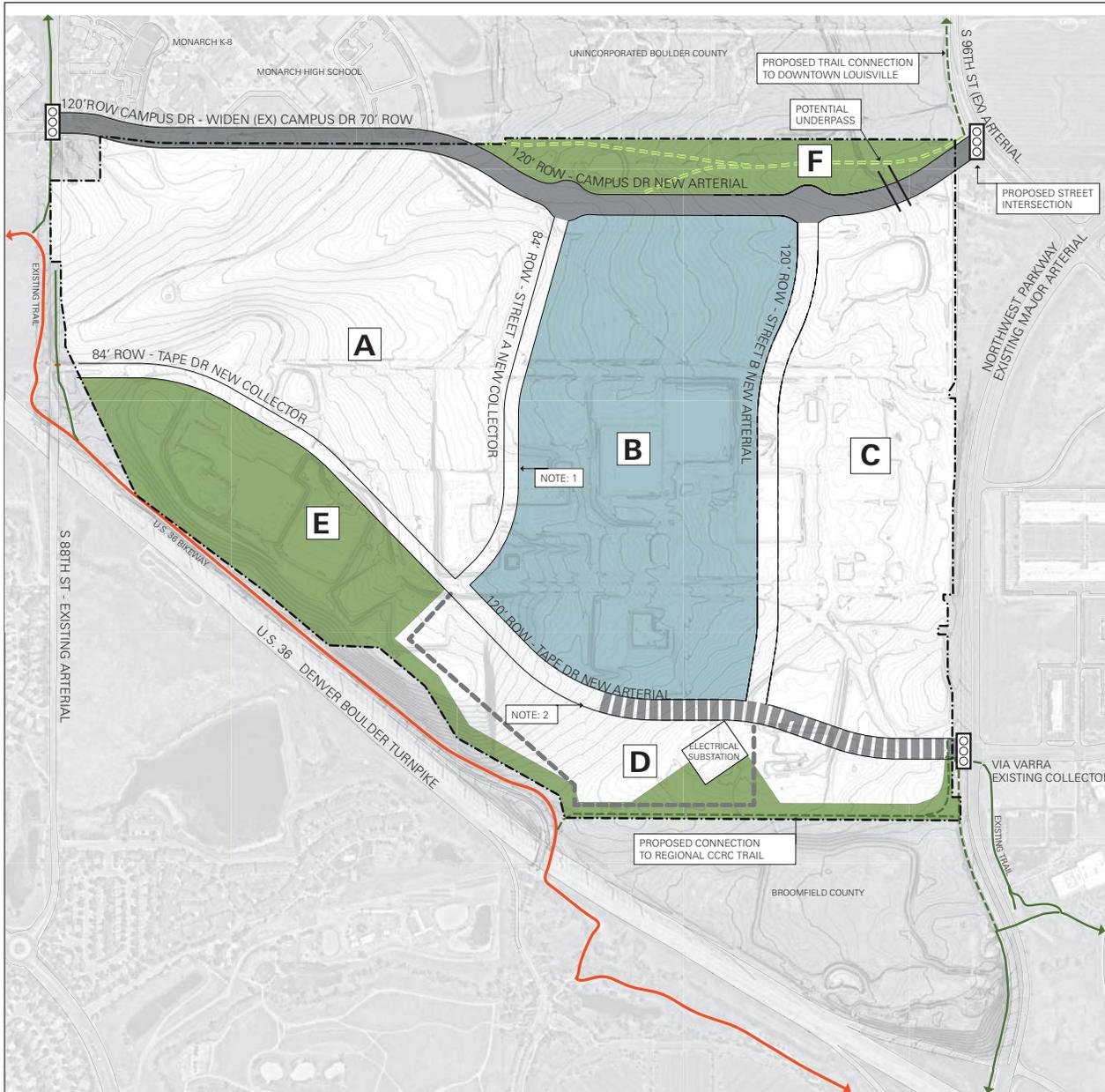


CONOCOPHILLIPS CAMPUS GENERAL DEVELOPMENT PLAN, 1ST AMENDMENT
Nawatny Ridge
 CITY OF LOUISVILLE, BOULDER COUNTY, STATE OF COLORADO
 2270 SO. 88TH STREET, LOUISVILLE, CO

ISSUED FOR: DATE:
 GDP SUBMITTAL 10/02/2019

**PARCEL A-
INFRASTRUCTURE
PHASING
NARRATIVE**

PROJECT INFORMATION



PARCEL B- INFRASTRUCTURE PHASING NARRATIVE

GENERAL NOTE:

1. THE PHASING PLANS FOR PUBLIC IMPROVEMENTS SHOWN ON THIS SHEET ARE ILLUSTRATIVE AND ARE INTENDED ONLY TO GUIDE POTENTIAL PHASING OF IMPROVEMENTS THROUGH THE SUBDIVISION AND PUD PROCESS. AT SUCH TIME AS OWNERS SUBMIT A SITE PLAN APPLICATION FOR ANY PARCEL(S), THE SCOPE, NATURE AND EXTENT OF PUBLIC IMPROVEMENTS NECESSARY TO SUPPORT THE DEVELOPMENT PROPOSED ON SUCH PARCEL(S) SHALL BE DETERMINED.

KEY NOTES:

1. STREET A TO BE BUILT WHEN PARCELS A AND B HAVE BEEN DEVELOPED
2. CONSTRUCT INTERIM ROAD TO PROVIDE ACCESS. ACCESS POINT AND FUTURE ROW PHASING TO BE DETERMINED DURING SUBDIVISION AND PUD PROCESS.

POTENTIAL DEVELOPMENT PROGRAM:

NEAR-TERM- 500,000 GSF
 FULL BUILD OUT- 500,000 GSF

LEGEND

- DEVELOPMENT AREAS
- INTERIM ACCESS ROAD
- NEW ROAD
- PARCEL B
- OPEN SPACE - OTHER LANDS
- TRAIL - HARDSCAPE
- TRAIL - SOFTSCAPE
- (EX) TWO-WAY PROTECTED BIKEWAY
- (EX) MULTI-USE PATH



TRYBA ARCHITECTS
 1620 Logan Street
 Denver Colorado 80203
 303.831.4010

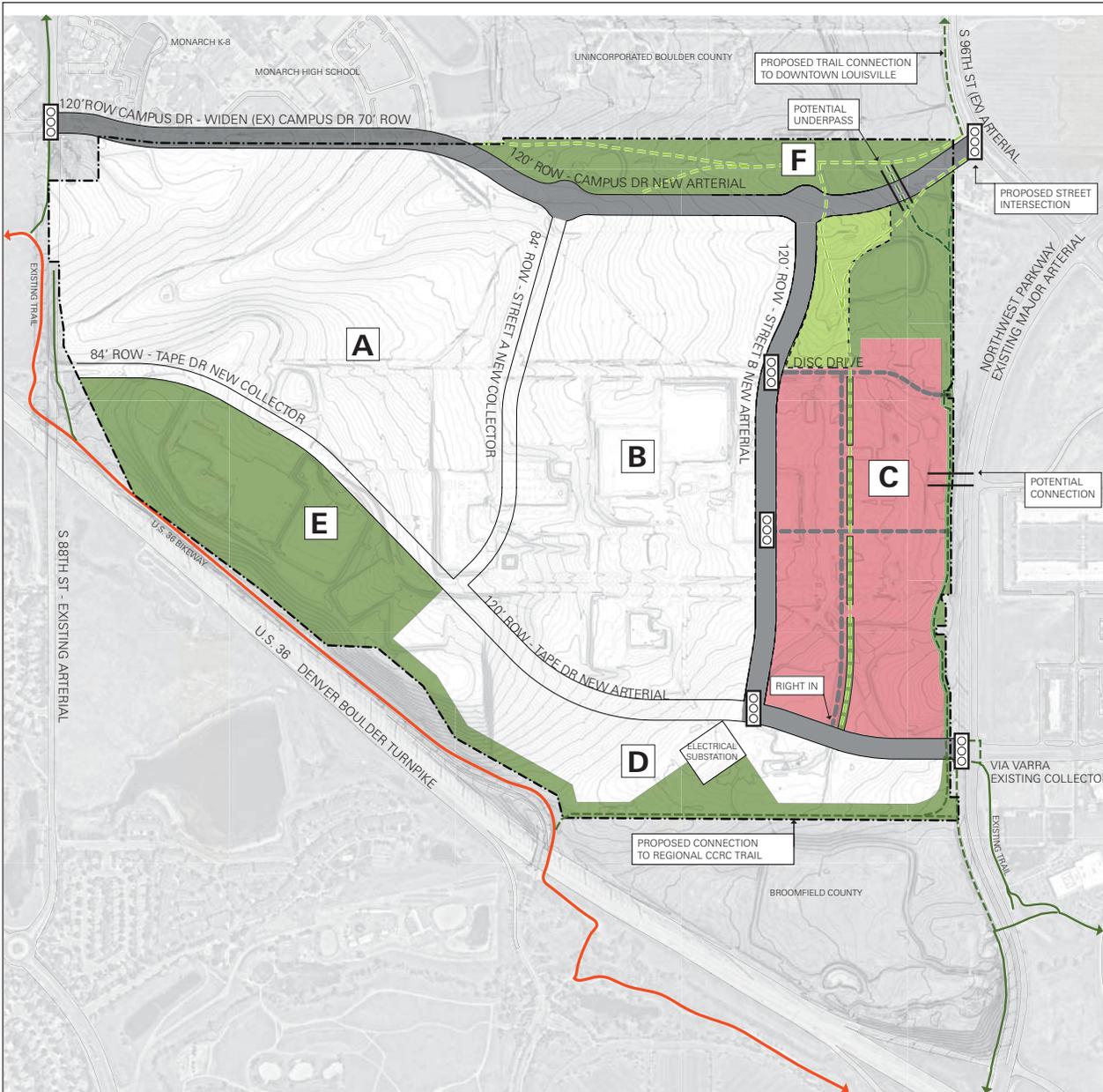


**CONOCOPHILLIPS CAMPUS GENERAL
 DEVELOPMENT PLAN, 1ST AMENDMENT**
Nawatny Ridge
 CITY OF LOUISVILLE, BOULDER COUNTY, STATE OF COLORADO
 2270 SO. 88TH STREET, LOUISVILLE, CO

ISSUED FOR: DATE:
 GDP SUBMITTAL 10/02/2019

**PARCEL B-
 INFRASTRUCTURE
 PHASING
 NARRATIVE**

PROJECT INFORMATION



PARCEL C- INFRASTRUCTURE PHASING NARRATIVE

GENERAL NOTE:

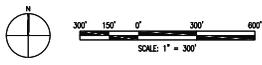
1. THE PHASING PLANS FOR PUBLIC IMPROVEMENTS SHOWN ON THIS SHEET ARE ILLUSTRATIVE AND ARE INTENDED ONLY TO GUIDE POTENTIAL PHASING OF IMPROVEMENTS THROUGH THE SUBDIVISION AND PUD PROCESS. AT SUCH TIME AS OWNERS SUBMIT A SITE PLAN APPLICATION FOR ANY PARCEL(S), THE SCOPE, NATURE AND EXTENT OF PUBLIC IMPROVEMENTS NECESSARY TO SUPPORT THE DEVELOPMENT PROPOSED ON SUCH PARCEL(S) SHALL BE DETERMINED.

POTENTIAL DEVELOPMENT PROGRAM:

NEAR-TERM- 600,000 GSF
FULL BUILD OUT- 2,210,000 GSF

LEGEND

- DEVELOPMENT AREAS
- NEW ROADS
- POTENTIAL LOCAL STREET
- PARCEL C
- OPEN SPACE - OTHER LANDS
- PARKS
- TRAIL - HARDSCAPE
- TRAIL - SOFTSCAPE
- (EX) TWO-WAY PROTECTED BIKEWAY
- (EX) MULTI-USE PATH





PARCEL D- INFRASTRUCTURE PHASING NARRATIVE

GENERAL NOTE:

1. THE PHASING PLANS FOR PUBLIC IMPROVEMENTS SHOWN ON THIS SHEET ARE ILLUSTRATIVE AND ARE INTENDED ONLY TO GUIDE POTENTIAL PHASING OF IMPROVEMENTS THROUGH THE SUBDIVISION AND PUD PROCESS. AT SUCH TIME AS OWNERS SUBMIT A SITE PLAN APPLICATION FOR ANY PARCEL(S), THE SCOPE, NATURE AND EXTENT OF PUBLIC IMPROVEMENTS NECESSARY TO SUPPORT THE DEVELOPMENT PROPOSED ON SUCH PARCEL(S) SHALL BE DETERMINED.

POTENTIAL DEVELOPMENT PROGRAM:

NEAR TERM- 300,000 GSF
FULL BUILD OUT- 1,190,000 GSF

LEGEND

- DEVELOPMENT AREAS
- NEW ROAD
- POTENTIAL LOCAL STREET
- PARCEL D
- OPEN SPACE - OTHER LANDS
- TRAIL - HARDSCAPE
- TRAIL - SOFTSCAPE
- (EX) TWO-WAY PROTECTED BIKEWAY
- (EX) MULTI-USE PATH



TRYBA ARCHITECTS
1620 Logan Street
Denver Colorado 80203
303.831.4010



**CONOCOPHILLIPS CAMPUS GENERAL
DEVELOPMENT PLAN, 1ST AMENDMENT**
Nawatny Ridge
CITY OF LOUISVILLE, BOULDER COUNTY, STATE OF COLORADO
2270 SO. 88TH STREET, LOUISVILLE, CO

ISSUED FOR: DATE:
GDP SUBMITTAL 10/02/2019

**PARCEL D-
INFRASTRUCTURE
PHASING
NARRATIVE**

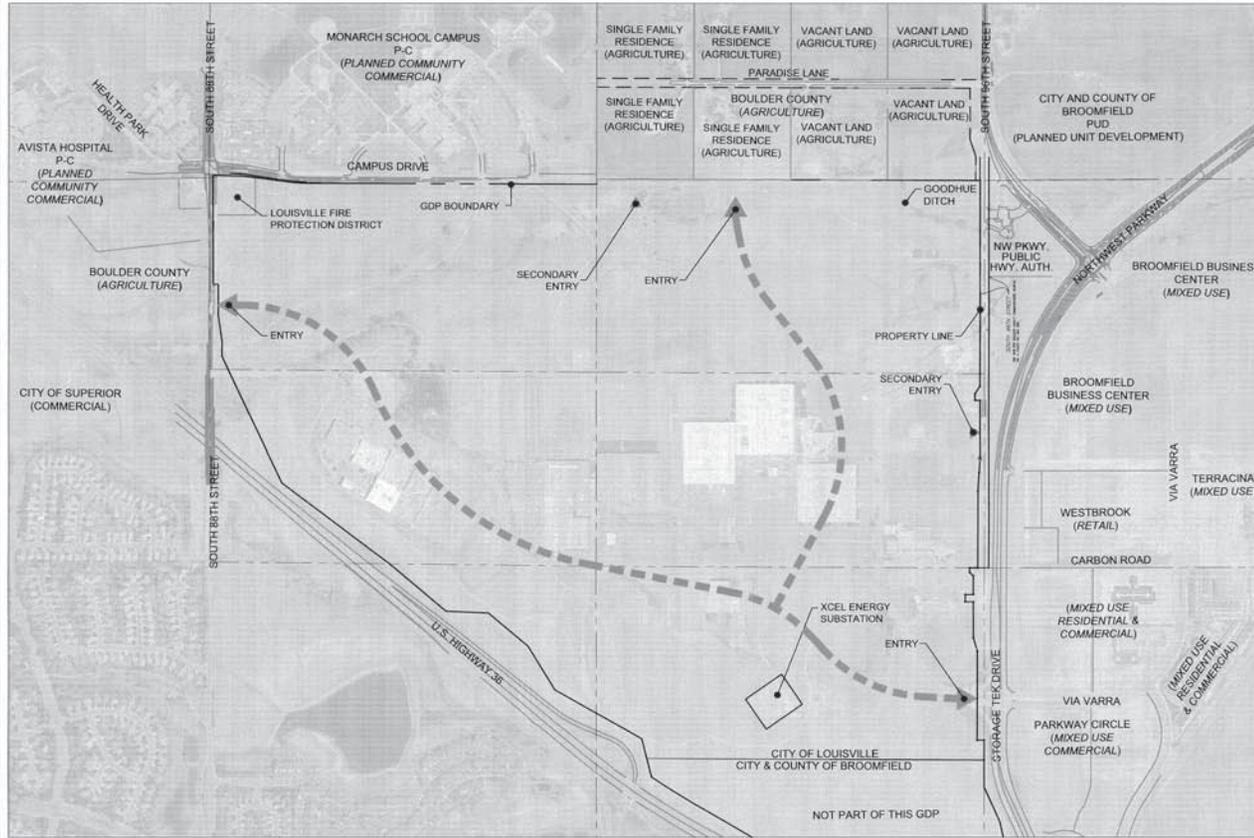
PROJECT INFORMATION

CONOCOPHILLIPS CAMPUS

GENERAL DEVELOPMENT PLAN

A PART OF THE SOUTH HALF OF SECTION 20, THE NORTH HALF OF SECTION 29,
 TOWNSHIP 1 SOUTH, RANGE 69 WEST OF THE 6TH P.M.

SHEET 1 OF 1



GENERAL DEVELOPMENT PLAN



CERTIFICATIONS/SIGNATURE BLOCKS

CITY COUNCIL CERTIFICATION:
 APPROVED THIS 16 DAY OF APRIL 2010 BY THE CITY COUNCIL OF THE CITY OF LOUISVILLE, COLORADO.
 ORDINANCE NO. 569, SERIES 2010
 MAYOR SIGNATURE: *Heena Terra*
 CITY CLERK SIGNATURE: *Heena Terra*



PLANNING COMMISSION CERTIFICATION:
 APPROVED THIS 22 DAY OF FEBRUARY 2010 BY THE PLANNING COMMISSION OF THE CITY OF LOUISVILLE, COLORADO.
 RESOLUTION NO. 3, SERIES 2010

CLERK AND RECORDER CERTIFICATE - COUNTY OF BOULDER, STATE OF COLORADO:
 I HEREBY CERTIFY THAT THIS INSTRUMENT WAS FILED IN MY OFFICE AT 8:53 O'CLOCK, A.M. THIS 30 DAY OF JULY 2010, AND IS RECORDED IN PLAN FILE _____, FEES \$11.00, PAID _____, FILE NO. _____, RECEPTION 3000719
 CLERK AND RECORDER: *Julian Hall*
 DEPUTY: *Julian Hall*

LOUISVILLE FIRE PROTECTION DISTRICT SIGNATURE BLOCK:
 WITNESS OUR HANDS AND SEALS THIS 20 DAY OF MAY 2010.
 OWNER: *John R. Healey*
 OWNER REPRESENTATIVE: *John R. Healey*
 MY COMMISSION EXPIRES: May 2013

OWNERSHIP SIGNATURE BLOCK:
 BY SIGNING THIS GOP, THE OWNER ACKNOWLEDGES AND ACCEPTS ALL THE REQUIREMENTS AND INTENT SET FORTH IN THIS ... I, WITNESS OUR HANDS AND SEALS THIS 16 DAY OF MAY 2010.
 OWNER: CONOCOPHILLIPS CAMPUS
 A DELAWARE CORPORATION
 SIGNATURE: *Mark R. Healey*
 TITLE: Attorney-In-Fact
 NOTARY NAME AND SIGNATURE: *Carolyn Reeder*
 NOTARY PUBLIC: *Carolyn Reeder*
 MY COMMISSION EXPIRES: 1-31-11

GENERAL NOTES:

1. DEVELOPMENT SHALL CONFORM AND BE CONSISTENT WITH THE LOUISVILLE MUNICIPAL CODE AND THE COMMERCIAL DEVELOPMENT DESIGN STANDARDS AND GUIDELINES UNLESS OTHERWISE MARKED OR MODIFIED BY THE CITY COUNCIL THROUGH THE PUD DEVELOPMENT PLAN PROCESS.
2. THE CAMPUS SECURITY BOUNDARY WILL NOT EXTEND OUTSIDE OF THE SITE BOUNDARY.
3. TRAFFIC CIRCULATION PATTERNS DEPICTED WITHIN AND ACROSS LOT A REPRESENT INTERNAL PRIVATE DRIVES AND ARE CONCEPTUAL ONLY AND SUBJECT TO MODIFICATION.
4. EXISTING FREE STANDING CARP FACILITIES WITHIN LOT A SHALL CONSTITUTE A PERMISSIBLE NON-CONFORMING USE.
5. PUBLIC LAND DESIGNATION OF AT LEAST ONE SHALL COMPLY WITH SECTION 16.10.008 OF THE LOUISVILLE MUNICIPAL CODE.

SITE INFORMATION

GROSS DEVELOPABLE AREA (PUD BOUNDARY)	391.719 ACRES (MAXIMUM 0.10 F.A.R.)
ZONING	PLANNED COMMUNITY ZONED DISTRICT (PCZD)- COMMERCIAL WITH PUD-C OVERLAY
PLANNED ACCESS	NORTHWEST PARKWAY, CAMPUS DRIVE, SOUTH 88TH STREET

PERMITTED USES

PERMITTED USE	COMMENTS / REMARKS	PARKING REQUIREMENTS
PROFESSIONAL, BUSINESS AND ADMINISTRATIVE OFFICES	-	4:1,000 S.F.
EDUCATIONAL AND TRAINING FACILITIES	MEETING ROOMS AND SOCIAL SPACE FOR EMPLOYEES AND VISITORS	0.97:1000 S.F.
PRIVATE SHORT TERM LODGING FOR CONOCOPHILLIPS EMPLOYEES AND GUESTS	OVERNIGHT ACCOMMODATIONS FOR EMPLOYEES/VISITORS	0.5:1 ROOM
PEDESTRIAN PLAZAS AND PEDESTRIAN WAYS	-	-
PRIVATE, NONCOMMERCIAL, RECREATIONAL AND SOCIAL FACILITIES	-	1:1,000 S.F.
PARKING LOTS AND PARKING BUILDINGS	SURFACE AND STRUCTURED PARKING	-
CAMPUS ORIENTED CHILD CARE CENTER	PRIVATE CHILD CARE FOR EMPLOYEES	1.5 SPACES PER TEACHER PLUS ONE SPACE PER ADMINISTRATIVE EMPLOYEE
RESEARCH OFFICE AND CORPORATE USES AND FACILITIES FOR THE RESEARCH DEVELOPMENT, MANUFACTURING, FABRICATION, PROCESSING, OR ASSEMBLY OF SCIENTIFIC OR TECHNICAL PRODUCTS, OR OTHER PRODUCTS	-	1.25:1,000 S.F.
BUILDING MOUNTED CARP FACILITIES	-	-
CAMPUS ORIENTED FOOD SERVICE	RESTAURANTS, CAFETERIA, OR CAFES FOR USE BY EMPLOYEES/VISITORS INTEGRATED THROUGHOUT THE CAMPUS	-
COMMERCIAL USES, INCLUDING BUT NOT LIMITED TO BUILDING CONSTRUCTION EQUIPMENT YARDS, TRANSPORTATION CENTERS AND SERVICES, MANUFACTURING, AND STORAGE FACILITIES	STORAGE OF MATERIALS IN SUPPORT OF THE CAMPUS RESEARCH AND DEVELOPMENT FACILITY, HELPAD (SPECIAL REVIEW USE)	1:1,000 S.F.
PRIVATE UTILITY USES	TO ALLOW THE EXISTING SANITARY LIFT STATION POTENTIAL, BURIED GAS EXCHANGE FIELD, SOLAR PANELS, BUILDING MOUNTED WIND POWERED ELECTRICAL GENERATION FACILITIES, AND CENTRAL MECHANICAL, ELECTRICAL, AND PLUMBING FACILITY	-
OTHER USES AS ESTABLISHED BY THE CITY COUNCIL AS FOUND TO BE SPECIFICALLY COMPATIBLE FOR COMMERCIAL AND OFFICE PLANNED USES	-	-

YARD AND BULK REQUIREMENTS

1. MAXIMUM BUILDING HEIGHTS PROPOSED ON THE PUD DEVELOPMENT PLAN EXCEED LIMITATIONS SET FORTH IN THE COMMERCIAL DEVELOPMENT DESIGN STANDARDS AND GUIDELINES (CDDG). BUILDING HEIGHTS ARE EXPECTED TO RANGE FROM 30' IN SOME AREAS, TO 40' OR 50' IN OTHER AREAS. PROPOSED MAXIMUM BUILDING HEIGHTS IN EXCESS OF CROSS REQUIREMENTS REQUIRE CITY COUNCIL APPROVAL EITHER BY SPONSORED VESTING AGREEMENT OR THROUGH THE PUD DEVELOPMENT PLAN REVIEW PROCESS, AND ARE NOT APPROVED BY THIS GOP.
- MINIMUM BUILDING SETBACKS (FOR BUILDING FOOTPRINTS LESS THAN OR EQUAL TO 30,000 GROSS SQUARE FEET)**
- | | |
|------------------------|-------|
| STREET R.O.W. LINE | 30 FT |
| ARTERIAL STREET | 30 FT |
| INTERNAL PRIVATE DRIVE | 10 FT |
- (FOR BUILDING FOOTPRINTS GREATER THAN OR EQUAL TO 30,000 GROSS SQUARE FEET)**
- | | |
|------------------------|-------|
| STREET R.O.W. LINE | 30 FT |
| ARTERIAL STREET | 40 FT |
| INTERNAL PRIVATE DRIVE | 10 FT |
- MINIMUM PARKING SETBACKS (FROM ALL PRINCIPAL PROPERTY LINES OR RIGHTS-OF-WAYS)**
- | | |
|------------------------------------|-------|
| PROPERTY LINES ADJACENT TO U.S. 36 | 40 FT |
| ARTERIAL STREET & G.W. | 35 FT |
| COLLECTOR STREET & G.W. | 35 FT |
| INTERNAL COMMON PROPERTY BOUNDARY | 10 FT |



2100 E 17TH AVENUE
 DENVER, CO 80202 USA
 P: +1 303 832 1712
 F: +1 303 832 1713



7901 E. Belvidere Avenue
 Suite 150
 Englewood, CO 80111
 Tel: (770) 482-9524
 Fax: (770) 482-9546



1800 34th Street
 Boulder, CO 80501
 Tel: (303) 442-4318
 Fax: (303) 442-4317

CONOCOPHILLIPS CAMPUS
 2270 SO. 88TH STREET
 LOUISVILLE, CO

GENERAL DEVELOPMENT PLAN

OWNER	NAME
DATE	SCALE
FILE #	PROJECT #
SHEET NUMBER	

1 OF 1

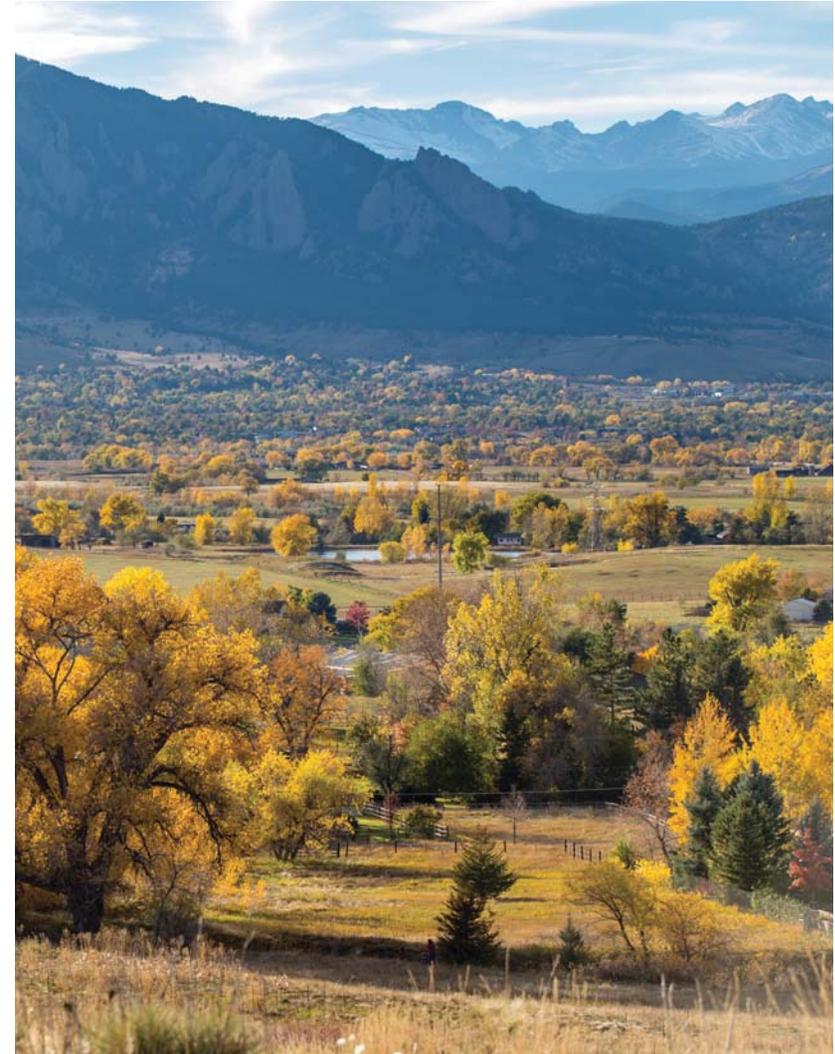
OPEN SPACE ADVISORY BOARD
LOUISVILLE, COLORADO
11 DECEMBER 2019


BRUE·BAUKOL
CAPITAL PARTNERS
TRYBA ARCHITECTS

Nawatny Ridge

TONIGHT'S AGENDA

1. Welcome and Introductions
2. Site Review
3. Project and Process Review
4. In-Depth Public Lands Review
5. Discussion



OUR TEAM

- We are a local, Denver-based group committed to thoughtful development
- The majority of our team grew up in Boulder County, graduated from CU Boulder and continue to reside in the Louisville area
- Our portfolio includes multifamily, senior living, office, industrial, for-sale residential, land and mixed-use projects
- We have developed or currently manage \$600 million worth of assets, including:
 - The Foundry, a public-private partnership in Downtown Loveland
 - The Jones District, a 36-acre mixed-use development at I-25 and Dry Creek
 - Denargo Market, a 13-acre development in Denver's RiNo Art District
 - The Standard at Gateway, a 138-acre development near DIA



CHAD BRUE
CHIEF EXECUTIVE
OFFICER & FOUNDER



GEOFF BAUKOL
PRESIDENT & PARTNER



BRUE · BAUKOL
CAPITAL PARTNERS



JORDAN SWISHER
VICE PRESIDENT



GARRETT HONEYMAN
VICE PRESIDENT

OUR TEAM

TRYBA ARCHITECTS



**Urban
Design**

FOX TUTTLE HERNANDEZ
TRANSPORTATION GROUP



**Transportation
Planning**

HKS HARRIS
KOCHER
SMITH



**Civil
Engineering**

ORL



**Public
Outreach**

SITE OVERVIEW



SITE TODAY Closed and Inaccessible to the Public since 2008



Gated Entry on Tape Drive off Northwest Parkway



Existing Infrastructure On-Site



Gated Entry on Tape Drive off 88th St

APPROVAL PROCESS OVERVIEW

GENERAL DEVELOPMENT PLAN

A GDP establishes parameters and standards for the development of a property including:

- The proposed use of all lands within the subject property
- The type or character of development and number of dwelling units per gross acre
- The proposed location of school sites, parks, open spaces, recreation facilities and other public and quasi public facilities
- The proposed location of all streets

SUBDIVISION PLAT

A subdivision plat is the means by which property is:

- divided for the purposes of sale or building development
- combined for the purposes of sale or building development

PLANNED UNIT DEVELOPMENT

A PUD establishes:

- The site plan
- Landscaping plan
- Drainage
- Grading
- Utilities
- Lighting
- Architecture

LOUISVILLE VISION



CITY OF LOUISVILLE STRATEGIC PLANNING FRAMEWORK



CITY OF LOUISVILLE 2013 COMPREHENSIVE PLAN

“The City of Louisville is dedicated to providing a vibrant, healthy community with the best small town atmosphere.” – City of Louisville Strategic Planning Framework

- 1 Integrated Open Space, Trail Networks, and Amenities
- 2 Balanced Transportation System
- 3 Unique Commercial Areas and Distinctive Neighborhoods
- 4 Livable Small Town Atmosphere and Walkability
- 5 Excellence in Education and Lifelong Learning
- 6 Healthy, Vibrant, and Sustainable Economy and Community

LOUISVILLE NEIGHBORHOOD CHARACTER AREAS



Louisville Recreation-Senior Center and Memory Square Pool



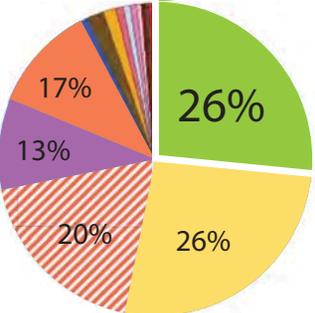
Small Town Atmosphere



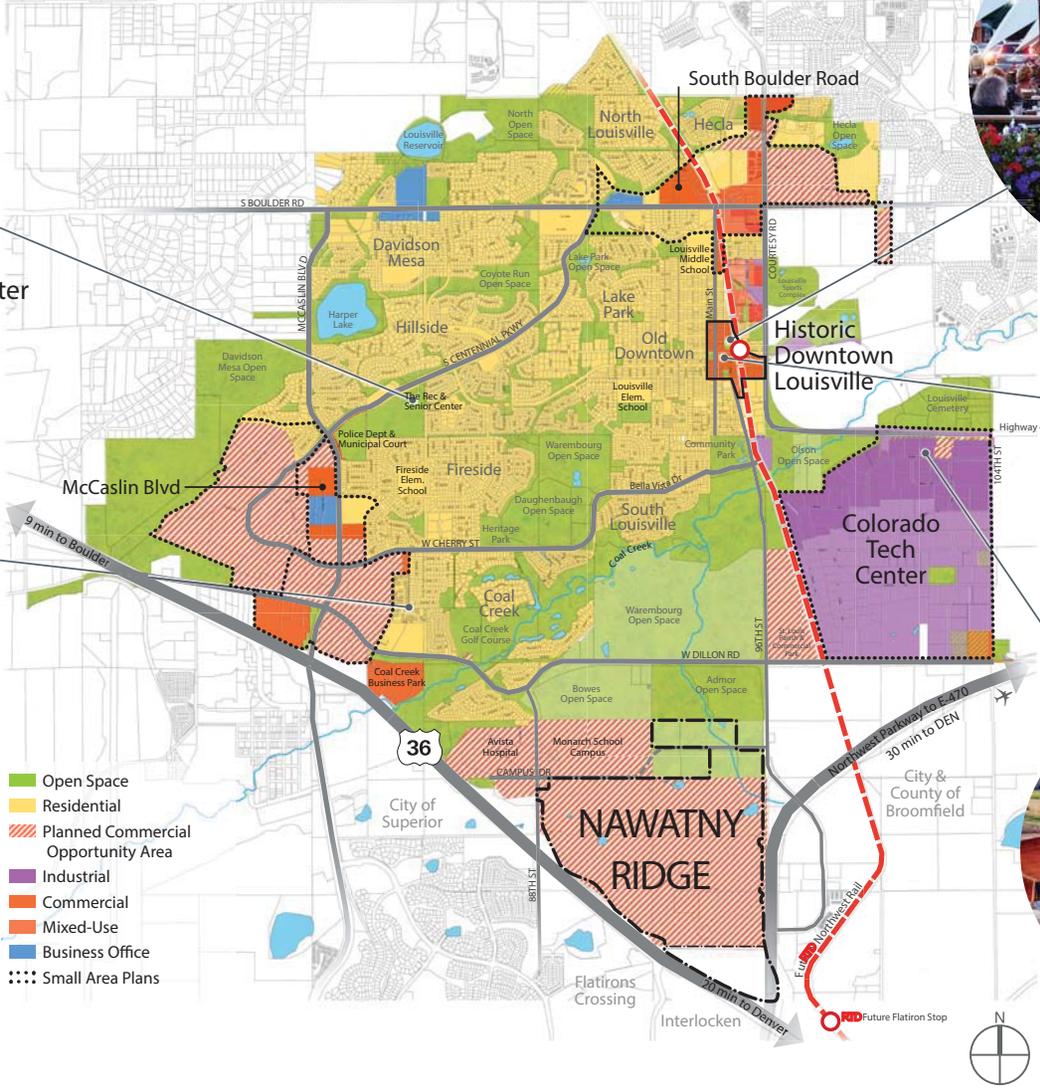
Distinctive Neighborhoods



Integrated Open Space, Trail Networks, and Amenities



Commitment to Open Space



Vibrant Economy

GUIDING PRINCIPLES

We are Committed to Investing in Louisville's Vision for a Liveable, Innovative, and Economically Diverse Community



**Uniquely
Louisville**



**Multimodal
Connections**



**Integrated
Open Space**



**Balanced
Economy**

EXISTING SITE



GUIDING PRINCIPLES



**Uniquely
Louisville**



**Multimodal
Connections**



**Integrated
Open Space**



**Balanced
Economy**

UNIQUELY LOUISVILLE



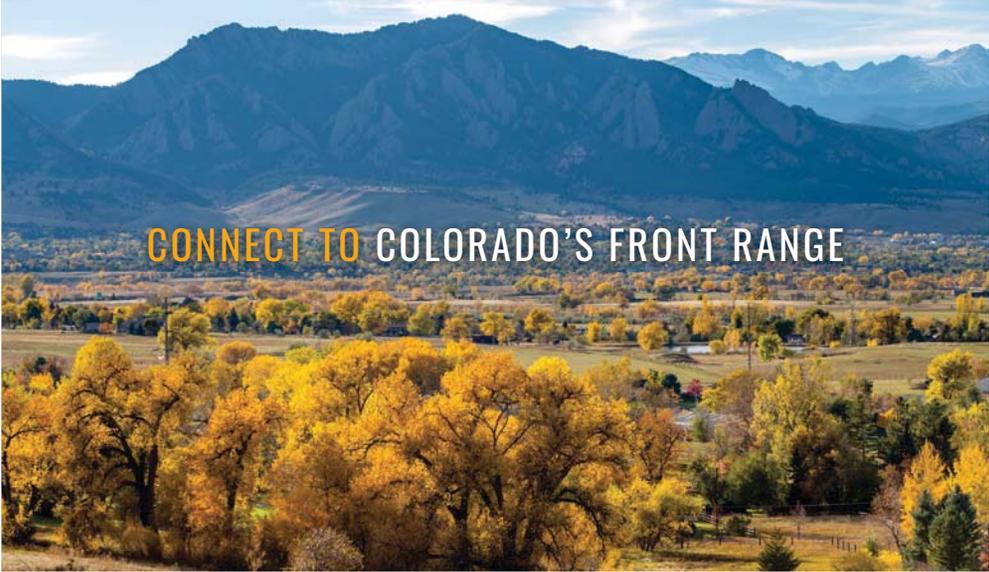
CONNECT TO MOBILITY



CONNECT TO NATURE

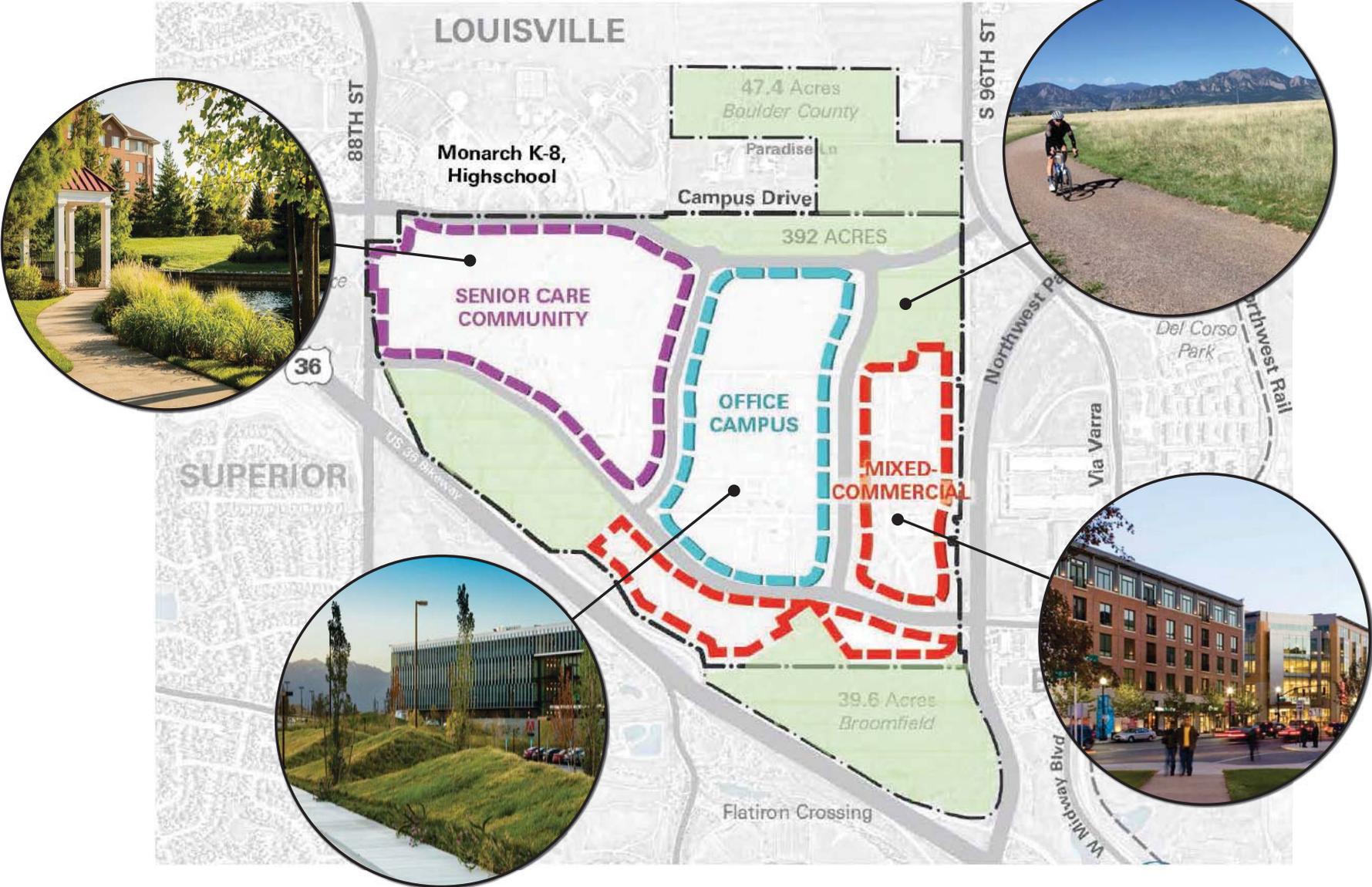


CONNECT TO COMMUNITY



CONNECT TO COLORADO'S FRONT RANGE

Nawatny Ridge Character Areas



MULTIMODAL CONNECTIONS



GUIDING PRINCIPLES



**Uniquely
Louisville**



**Multimodal
Connections**



**Integrated
Open Space**



**Balanced
Economy**

Regional and Local Trail Network

Today



Enhanced



LEGEND

- Rock Creek Regional Trail
- US 36 Bikeway
- Bicycle Lanes
- Local Trail
- Proposed Rock Creek Regional Trail Connection
- Proposed Trail
- Proposed Downtown Louisville Trail
- Proposed Protected Bikeway

Rock Creek Trail Connection

- Connects Rock Creek Trail, US 36 Bikeway and proposed Downtown Louisville Trail
- Complete 1st and final mile connections to the RTD Flatiron Park-N-Ride



Coal Creek Regional Trail - Softscape



Trail Head



US 36 Bikeway



Multi-Modal Underpass

INTEGRATED OPEN SPACE



GUIDING PRINCIPLES



**Uniquely
Louisville**



**Multimodal
Connections**



**Integrated
Open Space**



**Balanced
Economy**

Integrated Open Space

Adding 65 Acres to Louisville's Open Space Network and 8.5 miles of pedestrian and bike connections

- 79.05 Total Acres of Public Land
- 7 Acres of Parks
- 3.8 Miles of Protected Bikeways
- 2.4 Miles of Trails
- 2.3 Miles of Multi-Use Paths



BALANCED ECONOMY



GUIDING PRINCIPLES



**Uniquely
Louisville**



**Multimodal
Connections**



**Integrated
Open Space**



**Balanced
Economy**

Balanced Economy

- Integrate all types of development with public space to expand the unique Louisville identity
- Create a sense of place that is inviting to all users



Nawatny Ridge COMMUNITY OUTREACH

17+

Meetings with Members of the Community, Neighbors, Schools, Business Associations, and Stakeholders

INCLUDING:

- Avista Adventist Hospital
- BVSD
- CAC
- Colorado Technology Center Boards
- Community Meeting
- Commuting Solutions
- Downtown Business Association
- Farmer's Market
- GM of Flatiron Mall
- Louisville Chamber of Commerce
- Louisville Goddard School
- Louisville Historical Museum
- Open Space Advisory Board
- Parks and Public Landscaping Advisory Board
- Recreation Advisory Board
- Select members of Business Retention & Development Committee

390+

Specific Comments Provided from the Community

Open Space and Recreation



OPEN SPACE

- Add to City's open spaces
- Design should minimize disruption to natural environments and wildlife
- Find appropriate balance with native and improved landscaping
- Incorporate existing site features like ponds, native landscape and topography



ACCESSIBILITY/COMFORT

- Perceived as far away and an unlikely destination outside of providing a reason, including trailhead
- Shade and trees must be offered for pleasant walking, biking experience
- Families need parking if they come here



TRAILS

- Connectivity highly desired
- Crossing Coal Creek too difficult
- Preference for soft surface - especially through open space areas



BUILT RECREATION

- Minimal feedback - Higher priority placed on open space and trails

Louisville Advisory Boards Site Tour

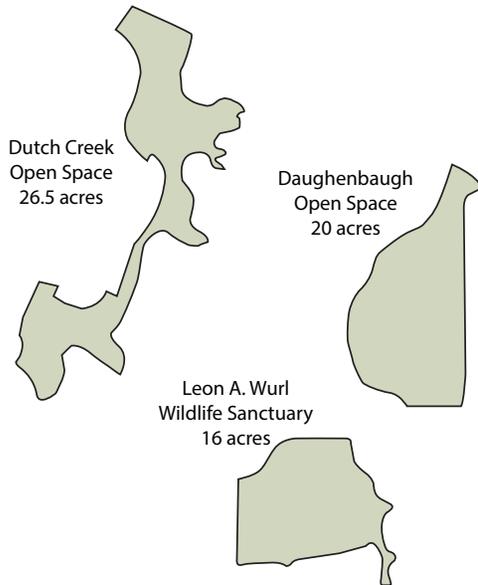
SITE TOUR ROUTE



Integrated Open Space

- Prioritize natural open space and wildlife habitat
- Maximize continuous open space and existing native vegetation

LOUISVILLE OPEN SPACE COMPARISONS



Open Space: Trail Connectivity

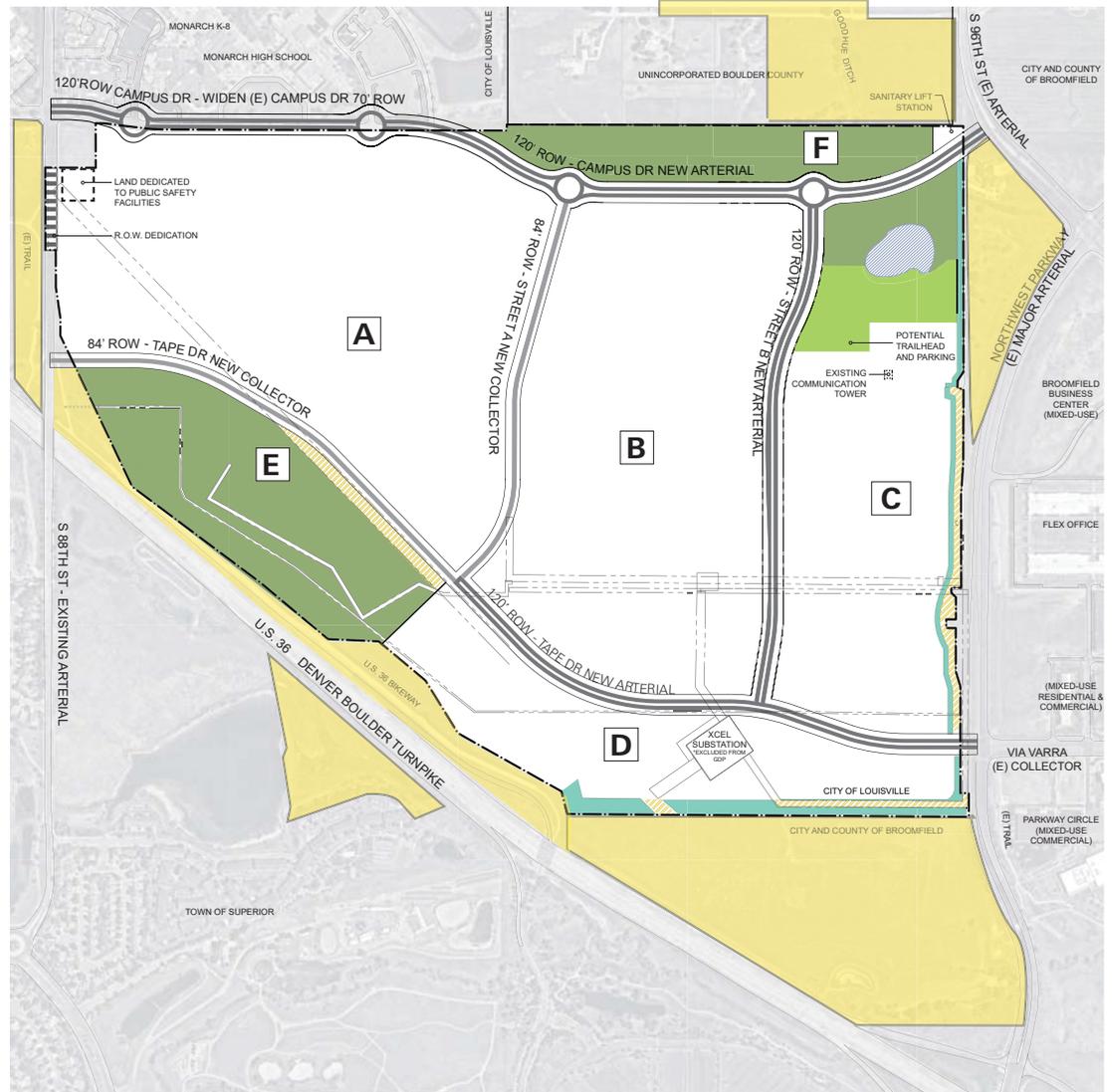
- Provide Connectivity and Access throughout the site to Campus Users and the General Public
- Tie into and Improve the Regional Trail Network
- Trail Network to Connect Existing Open Spaces
- Provide Trail Surfacing for Different Types of Activities



Development Summary - Current

DEVELOPMENT ACREAGE

	TOTAL ACRES	OTHER (AC)			PUBLIC LANDS (AC)				Developable (AC)
		Buffer	Easement	Detention	Open Space	Trail Corridor	Park	Fire & Police	
Parcel A	101.69	-	-	-	-	-	-	1.00	100.69
Parcel B	89.80	-	-	-	-	-	-	-	89.80
Parcel C	68.09	2.07	-	3.90	5.15	2.27	7.00	0.02	47.68
Parcel D	26.76	1.28	-	-	-	4.18	-	-	21.30
Parcel E	46.94	2.12	1.44	-	43.38	-	-	-	-
Parcel F	16.55	-	0.50	-	16.05	-	-	-	-
ROW	39.27								
Total	389.10	5.47	1.94	3.90	64.58	6.45	7.00	1.02	259.47



LEGEND

- DEVELOPMENT AREAS
- OPEN SPACE (PUBLIC LAND)
- PARKS (PUBLIC LAND)
- TRAIL CORRIDOR (PUBLIC LAND)
- BUFFER
- DETENTION POND

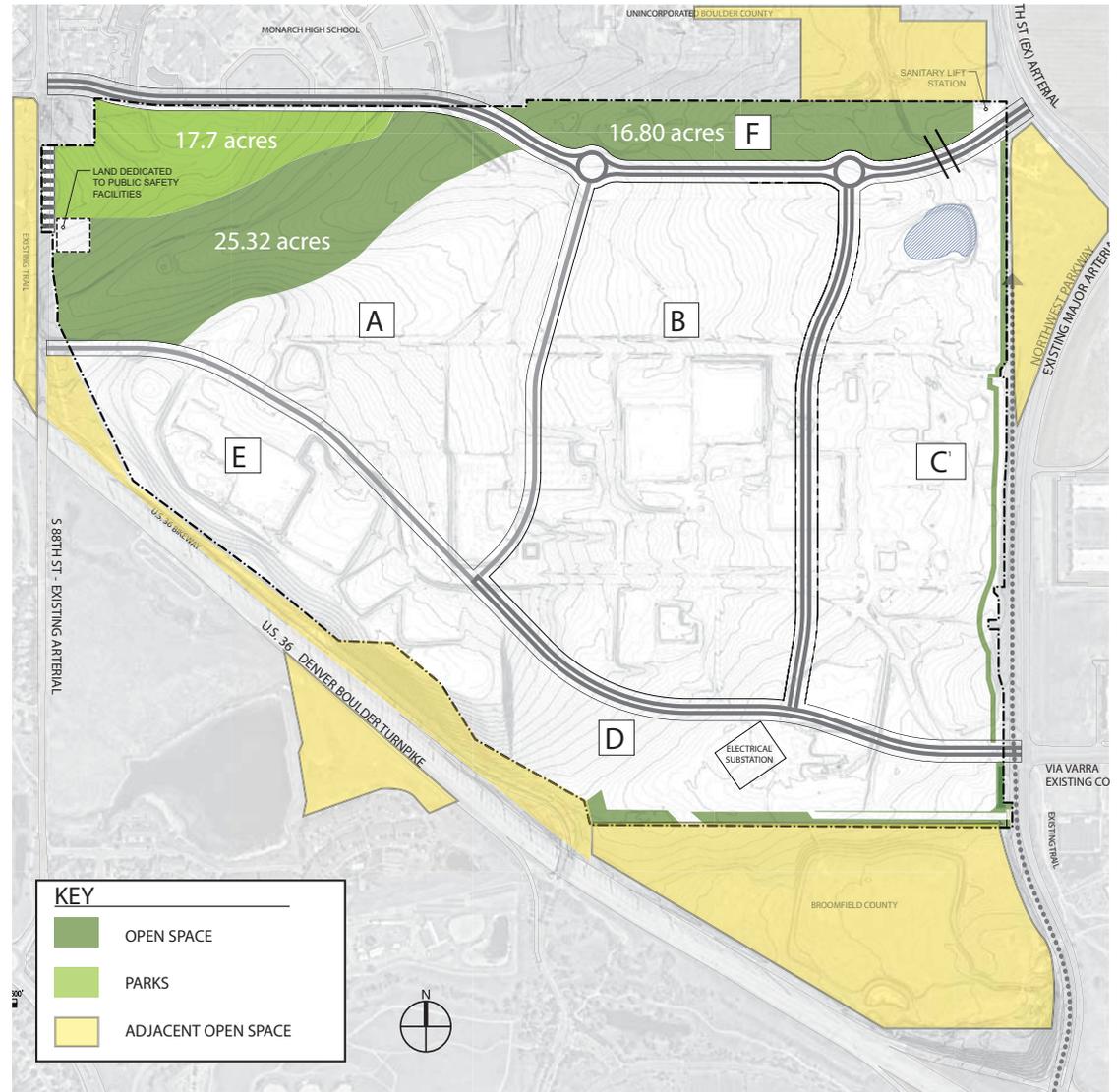


OPEN SPACE ALTERNATIVE



Open Space Alternative

- Dedicate Land That Was Not Developed Upon Previously
- Locate Park Within Immediate Proximity of Schools and Community
- Create Contiguous Public Lands that Connect Existing Open Spaces
- Provide Ample Space for Trailhead and Parking





THANK YOU!

VISIT US: WWW.NAWATNYRIDGE.COM

Memorandum

To: Open Space Advisory Board
From: Ember Brignull, Open Space Superintendent
Date: December 11, 2019
Re: Action Item 9. Determine Highest Priority “Objectives” for the Management Open Space for Tomorrow (MOST) Project

Purpose:

During the December meeting, the Management of Open Space for Tomorrow (MOST) subcommittee will lead OSAB in an exercise to identify the highest priority “Objectives” for the MOST project. Please come prepared and ready to vote on your top priority Objectives. The complete list of Objectives can be found in the provided word document titled: *The Management of Open Space for Tomorrow (MOST) OSAB Recommendations for Operations Priorities & Goals for City of Louisville Open Space Program January 2020*.

The MOST subcommittee also compiled results from the November 13, 2019 OSAB brainstorming session which identified MOST “Action Items”. The complete list of Action Items can be found in the provided document titled: *MOST “Action Items” Brainstorming List from November 13, 2019*. Please keep this for your records.

Background:

Since late August, a working group of representatives from the Open Space Advisory Board (OSAB), City Staff, and the OSAB City Council Liaison have met to develop a process for providing input on goals and priorities for the future management of City of Louisville’s Open Spaces. This group has been meeting to brainstorm on how OSAB, staff, citizens and City Council can partner to provide City Council with input and identify Open Space management goals and priorities for the next ten years.

MOST members include: Laura Scott-Denton and Helen Moshak of OSAB, City Staff Ember Brignull and Nathan Mosley and the OSAB City Council Liaison and former Mayor, Robert Muckle. The aim is to build on the foundation laid by the Parks, Recreation, Open Space and Trails Master Plan (PROST) (2011), the Open Space Master Plan (2004) and the Transportation Master Plan (2019).

Next Steps:

The MOST subcommittee will summarize the results of the December exercise, identify the highest priority “objectives”, and report the results to OSAB at an upcoming meeting.

DRAFT

The Management of Open Space for Tomorrow (MOST) OSAB Recommendations for Operations Priorities & Goals for City of Louisville Open Space Program January 2020

Prepared by the Open Space Advisory Board & MOST Tiger Team with input from Robert Muckle, and Ember Brignull, Open Space Director
Fall and Winter, 2019

Historically the City's Open Space spending priority has been acquisition. As Louisville continues to grow, most of the land suitable for Open Space has been developed or already acquired and current open space land is suffering from overuse and increasing maintenance and operations demands. Therefore, the Open Space operations budget must be increased in order to enhance our citizen's use and stewardship and maintain and improve the maintenance and protection of the land that is already set aside. Given the historical and current demands on our land, benign neglect is akin to allowing the land to degrade. Our Open Space land is a finite resource that must serve our City in perpetuity.

This document is the result of multiple meetings of the MOST Tiger Team and the Open Space Advisory Board (OSAB) to brainstorm ideas and develop an initial list of priorities. We recognize that this is an ambitious and dynamic list and the difficult task of setting higher and lower priorities takes into account factors such as opportunities, urgency and our limited resources. All goals and objectives included in this list have OSAB's support. Our goal is to share this document with the Open Space Staff and City Council to start the dialogue to increase the resources available and guide the development and management of the City of Louisville Open Space Operations budget.

GOAL: Natural Resources Management

Objective: Wetlands/Aquatic Resources:

Short-term action items:

- Conduct a preliminary survey of OS properties to identify a wetlands or aquatics area for a pilot remediation project.
 - Potential site: Warembourg Fishing Pond
- Research Marshall Lake status and options.
- Respond to OSAB's request for information to work with Public Works and develop a recommendation to Council to remediate the Leon A Wurl Wildlife Sanctuary at Harper Lake.

Medium-term action items:

- Initial Year 1 all properties inventory.

- Develop and maintain nature play site on Coal Creek.
- Develop plan for Leon A. Wurl Wildlife Sanctuary at Harper Lake.

Long-term action items:

- Comprehensive property inventory every 5 years to monitor natural resource conditions in the wetlands and aquatic zones.
- Implement Wurl Wildlife Sanctuary at Harper Lake
- Develop management plans including remediation actions for degraded areas.
- Set priorities, establish action items, allocate resources and implement action plans.

Objective: Grasslands

Short-term action items:

- Develop and implement a ground nesting bird habitat protection program
- Conduct a preliminary survey of OS properties to identify grasslands area for a pilot remediation project to establish native plant density, weed control and prescribed burns
 - Potential site: Davidson Mesa?

Medium-term action items:

- Increase volunteer manual weed management and native species planting events
- Initial Year 1 all properties inventory

Long-term action items:

- Comprehensive property inventory every 5 years to monitor natural resource conditions in the grassland zones.
- Develop management plans including remediation actions for degraded areas.
- Set priorities, establish action items, allocate resources and implement action plans.

Objective: Agricultural Lands

Short-term action items:

- Partner with Boulder County to collect feedback from our local farmers, to help them get what they need from the City to have success on the land.

Long-term action items:

- Comprehensive report on the state of agricultural lands to OSAB, public, and City Council. Includes land health, economic viability, and farmers' well-being.

Objective: Scientific Best Practices

Short-term action items:

- Resource the Senior Resource Manager position.
- Establish best practices for temporal and spatial statistical reproducibility for land studies going forward (e.g. establishing permanent sampling sites and protocols).

Medium-term action items:

- Visitor counts and usage study.

- Wildlife and vegetation inventories, performed in repeatable, meaningful procedures, data stored in accessible (public?) format.
- Research best practices for weed control, habitat restoration, and visitor management.

Long-term action items:

- Create a State of the Open Space document that can be given to the public to report on the health of the land. The public should be educated about work done and management goals.

GOAL: Enhance User Experience

Objective: Wayfinding

Short-term action items:

- Reconcile current CIP planning with new operations priorities.
- Finalize cost effective, simplified sign standard.
- Identify best (most complete) primary trail for signage pilot and post trail signs and markers end to end.
 - Possible Option: Powerline Trail?
- Apply pavement color arrows on all cement primary trails.
- Post system-wide primary trail maps at popular properties.
- Implement trail connection standards.

Medium-term action items:

- Solicit feedback on trail signage pilot.
- Clearly label handicapped accessible trails on signs and maps.
- Expand pilot to finish installing wayfinding on all the primary trails.
- Add signage at crosswalks for safety.
- Work with Marketing to roll out wayfinding/trail promotion campaign.

Long-term action item:

- Continue to maintain and update wayfinding standards, signs and technology.
- Upgrade existing trail intersections to meet trail connection standards.

Objective: Rules and Regulations

Short-term action items:

- Support and resources for the ranger program.

Medium-term action items:

- Regular check in/reviews of rules and regulations with OSAB.

Long-term action items:

- Work to resolve issues related to DOLA on land zoned Open Space protect.

Objective: Maintenance

Short-term action items:

- Continue inventorying and monitoring maintenance deficiencies.
- In partnership with Parks, develop a prototype maintenance standard for OS properties.
- With Parks, pilot the prototype maintenance standards on an Open Space property.
- Schedule quarterly poop clean up events/campaigns on trails and DOLA.

Medium-term action items:

- In partnership with Parks, finalize a comprehensive sustainable maintenance program to resource and stabilize the maintenance budget.
- Work with Parks and Council to remedy muddy conditions at DOLA.

Long-term action items:

- Invest in trail building, mowing and maintenance equipment per the maintenance program.
- Continue seasonal trail maintenance programs.

Objective: Trails

Short-term action items:

- Continue to prioritize critical trail linkages and intersections identified by wayfinding study.
- Study potential re-routing of Coal Creek Trail along the creek in new jointly-owned open space land at the Mayhoffer Property.

Medium-term action items:

- Explore a new category of trail surface: “dirt” or “single track” or “unimproved”
- Full system-wide inventory of social trails. Prioritize social trails for removal.

Long-term action items:

- A Trails Master Plan that includes social trail, maintenance, and regulation policy, and trail standards for signs, intersections, and wayfinding. Involve the public in the process.

Objective: Serving Diverse User Types

Short-term action items:

- Work with partners or PPLAB to develop recommendations for nature play opportunities.
- Increase outreach to seniors about OS and Trails.

Medium-term action items:

- Write a grant or contract for expertise to conduct an ADA Access Audit.
- Explore developing trails for different functions (skiing, biking and hiking).
- Ensure handicapped access is well-documented in wayfinding system.

Long-term action items:

- Develop plan and resources to improve/enhance access to trails based on access audit.
- Develop and build platforms for handicapped access to Coal Creek and lakes.

GOAL: Foster Citizen Engagement

Objective: Education

Short-term action items:

- Continue citizen outreach with programs like, “Explore a Trail” days, booths at City Functions, Open Space exhibits at Rec Center/Library, “Walks and Talks” with the mayor, bystander intervention/trail ambassador training...

Medium-term action items:

- Collaboration and cross-promotion with neighboring communities.
- Interpretative signs where possible.

Long-term action items:

- Continue Open Space department tradition of educational excellence.

Objective: Volunteers

Short-term action items:

- Identify meaningful projects that would benefit from more volunteers.
- Contact Wildlands Restoration Volunteers to explore collaborating on volunteer projects. (<https://www.wlrw.org/> (Gowan can help, former board member for years).
- Continue current volunteer program.
- Add more trail building and maintenance events (DM and DOLA?).

Medium-term action items:

- Partner with other city departments to develop and resource a city-wide volunteer coordinator position.
- Create more volunteer opportunities for citizen involvement, stewardship and community building (neighborhood teams, socials, projects).

Long-term action items:

- Commit to consistent resourcing of the City Of Louisville Volunteer Coordinator and programs.
- Increase volunteer programs.
- Celebrate volunteer efforts.

GOAL: Acquire Properties

Objective: Acquisition

Short-term action items:

- City to actively monitor real estate status of undeveloped land.
- Staff works to support OSAB’s continuing effort to evaluate undeveloped land for Open Space potential, including maintaining relationships with land owners and documentation, and researching land history.

Medium-term action items:

- Partner with neighboring municipalities for protection of buffers, view sheds, and diverse land times.
- Ensure that GDP and PUD public land dedications meet Open Space requirements.

Long-term action items:

Objective: Property Rights

Short-term action items:

- Survey for potential target trail easements.
- Develop materials and campaign to promote trail easements.

Medium-term action items:

- Develop plan for acquiring trail easements.
- Develop materials and campaign to encourage landowners to dedicate rights of first refusal to the city and conservation easements.

Long-term action items:

- Allocate staff and budget to acquire trail easements and recognize conservation easement efforts.

MOST "Action Item" Brainstorming List from November 13, 2019

Goal	Objective	Action Item
Manage Natural Resources	Wetlands	Identify wetlands on open space lands and assess their condition
Manage Natural Resources	Wetlands	Identify management actions required to promote and maintain wetland hydrologic and ecologic integrity
Manage Natural Resources	Wetlands	Identify wetlands in degraded condition, and prioritize those requiring remedial action
Manage Natural Resources	Wetlands	Improve Coal Creek along Mayhoffer/Aquarius properties
Manage Natural Resources	Wetlands	Nature Play in Coal Creek
Manage Natural Resources	Wetlands	Provide boating opportunities: regulate Harper Lake or add Marshall Lake
Manage Natural Resources	Wetlands	Develop plan for Marshall Lake
Manage Natural Resources	Wetlands	Warembourg Fishing Pond Revitalization (water, vegetation, trails)
Manage Natural Resources	Wetlands	Proactive weeding and native species planting in wetlands
Manage Natural Resources	Wetlands	Promote a more natural littoral zone around the edge of Harper Lake for increased wildlife habitat without impairing its use as water supply reservoir or for passive boating (as authorized by LMC Sec. 4.04.070.C - use of lakes and reservoirs)
Manage Natural Resources	Wetlands	Wildlife and vegetation enhancement at Harper Lake
Manage Natural Resources	Aquatic Resources	Identify stream segments and other water bodies that are significantly degraded
Manage Natural Resources	Aquatic Resources	Implement management actions necessary to remediate degraded stream segments and water bodies in priority order
Manage Natural Resources	Aquatic Resources	Identify management actions required to remediate degraded stream segments and water bodies.
Manage Natural Resources	Grasslands	Develop baseline native plant density for major grassland properties to allow for restoration, plan development
Manage Natural Resources	Grasslands	More weeding and native species planting in grasslands
Manage Natural Resources	Grasslands	Manual week pull vs. herbicide, can we increase volunteer efforts to do more manually?
Manage Natural Resources	Grasslands	Protect ground nesting bird habitat
Manage Natural Resources	Grasslands	Develop week management plans for those properties with the greatest week problems
Manage Natural Resources	Grasslands	Identify open space properties with most significant weed problems
Manage Natural Resources	Grasslands	Implement actions necessary to remediate significant week problems in priority order
Manage Natural Resources	Agricultural Lands	Meet with farmers to brainstorm on ideas to improve this land
Manage Natural Resources	Agricultural Lands	Assess open space agricultural lands to identify lands not currently meeting performance expectations set by Charter and Ordinance
Manage Natural Resources	Agricultural Lands	Identify remedial actions required to bring underperforming or degraded agricultural lands up to expectations.
Manage Natural Resources	Agricultural Lands	Implement necessary remedial actions for agricultural lands in priority
Manage Natural Resources	Agricultural Lands	Realistic/accurate/honest management approaches for open space lands zoned agricultural to help focus efforts (e.g. Callahan)
Manage Natural Resources	Using scientific best practices for management study and records-keeping	Monitor visitor counts
Manage Natural Resources	Using scientific best practices for management study and records-keeping	Monitor wildlife activity

MOST "Action Item" Brainstorming List from November 13, 2019

Goal	Objective	Action Item
Manage Natural Resources	Using scientific best practices for management study and records-keeping	"State of Open Space" based on science
Manage Natural Resources	Using scientific best practices for management study and records-keeping	Use best practice approaches, e.g., Provide temporary irrigation/watering for reseeding and planting to increase success rate
Manage Natural Resources	Using scientific best practices for management study and records-keeping	Resource the Senior Resource Manager
Manage Natural Resources	Using scientific best practices for management study and records-keeping	Conduct in-house repeatable scientifically rigorous inventories
Manage Natural Resources	Using scientific best practices for management study and records-keeping	Identify scientific principles and best management practices that can be applied to improve resource management in the areas that need it most.
Manage Natural Resources	Using scientific best practices for management study and records-keeping	Implement scientific principles and best management practices that are most effective in improving open space resource management
Manage Natural Resources	Using scientific best practices for management study and records-keeping	Identify resource management areas where enhanced application of scientific principles and best management practices can result in greatest resource improvement.
Enhance User Experience	Wayfinding	Signage on primary corridors, e.g., Powerline and Lake to Lake trails and especially area around the recreation center
Enhance User Experience	Wayfinding	Install system-wide signs
Enhance User Experience	Wayfinding	Upgrade primary to primary trail intersections
Enhance User Experience	Wayfinding	Color arrows on trails to wayfind main trails (paint, small signs)
Enhance User Experience	Wayfinding	Installation of wayfinding signs
Enhance User Experience	Wayfinding	Post maps throughout the system
Enhance User Experience	Wayfinding	Complete efforts on wayfinding and keep them up to date
Enhance User Experience	Wayfinding	Brighter colors and bigger signs for maps and signage
Enhance User Experience	Wayfinding	More signage at crosswalks for safety and promote walking over driving
Enhance User Experience	Wayfinding	Clearly label and identify handicapped accessible trails on signs and maps
Enhance User Experience	Wayfinding	Develop simplified signage program for trail network
Enhance User Experience	Wayfinding	Implement simplified signage program on main arterial trails as a test case and assess its effectiveness and public acceptance
Enhance User Experience	Rules and Regulations	Change DOLA hours to sunrise and sunset
Enhance User Experience	Rules and Regulations	Streamline night time regulations (access not currently permitted)
Enhance User Experience	Rules and Regulations	Work with staff and council to resolve issues related to DOLA usage on open space
Enhance User Experience	Rules and Regulations	Use rules and regs symbols on signs and maps
Enhance User Experience	Maintenance	Poop clean up on trails as well as DOLA
Enhance User Experience	Maintenance	Remedy muddy conditions at DOLA
Enhance User Experience	Maintenance	Identify current maintenance deficiencies

MOST "Action Item" Brainstorming List from November 13, 2019

Goal	Objective	Action Item
Enhance User Experience	Maintenance	Identify measures to cure the most serious maintenance deficiencies
Enhance User Experience	Maintenance	Integrate curative maintenance measures into the budget
Enhance User Experience	Trails	Develop schedule for complete build out of the primary trail system
Enhance User Experience	Trails	Set deadlines for finishing the major trails by trail
Enhance User Experience	Trails	Develop a social trail policy
Enhance User Experience	Trails	Identify critical trail connections that need to be made
Enhance User Experience	Trails	Prioritize necessary critical trail connections
Enhance User Experience	Trails	Incorporate prioritized critical trail connections into capital improvement program
Enhance User Experience	Trails	Develop new trail type (Dirt Trail)
Enhance User Experience	Trails	Inventory, evaluate, close and maintain appropriate social trails
Enhance User Experience	Trails	Standardize trail/path surfaces vs. sidewalks
Enhance User Experience	Trails	Develop a trails master plan
Enhance User Experience	Serving Diverse User Types (access, accessibility, nature play)	Outreach to seniors on Open Space
Enhance User Experience	Serving Diverse User Types (access, accessibility, nature play)	Write a grant or contract for expertise to address ADA and challenges to access to develop definitions, needs and reasonable solutions
Enhance User Experience	Serving Diverse User Types (access, accessibility, nature play)	Work with PPLAB to develop recommendations for nature play opportunities
Enhance User Experience	Serving Diverse User Types (access, accessibility, nature play)	Identify/suggest trails for different functions - skiing, hiking, biking
Enhance User Experience	Serving Diverse User Types (access, accessibility, nature play)	Need some trails for the handicapped - concrete trails with no obstacles
Enhance User Experience	Serving Diverse User Types (access, accessibility, nature play)	Note trail types and handicapped access on signage and maps
Foster Citizen Engagement	Education	Host "Explore a trail" days
Foster Citizen Engagement	Education	Booth at Farmers Market, Street Faire and Taste of Louisville
Foster Citizen Engagement	Education	Develop and install Open Space exhibit for Recreation Center and Library
Foster Citizen Engagement	Education	Education collaboration and cross marketing with nearby communities
Foster Citizen Engagement	Education	Continue and expand education program
Foster Citizen Engagement	Education	Continue to assess and provide education programs that provide insights into the city's open space program and provide general information on natural resources found on the open space
Foster Citizen Engagement	Education	Provide education on opportunities for citizen engagement and rules and regs
Foster Citizen Engagement	Education	Provide education on how to do bystander intervention for citizens to increase ownership, responsibility and community
Foster Citizen Engagement	Education	Provide interpretive signs on Agricultural Lands
Foster Citizen Engagement	Education	Continue "Walks and Talks"

MOST "Action Item" Brainstorming List from November 13, 2019

Goal	Objective	Action Item
Foster Citizen Engagement	Volunteers	Identify projects that could benefit from volunteers
Foster Citizen Engagement	Volunteers	Contact wildlands Restoration Volunteers as to how it might be able to assist in volunteer projects. (https://www.wlrv.org/ (Gowan can help, former board member for years)
Foster Citizen Engagement	Volunteers	More community trail maintenance events
Foster Citizen Engagement	Volunteers	Grow volunteer participation to enhance Open Space ownership
Foster Citizen Engagement	Volunteers	Volunteer trail construction and repair crews
Foster Citizen Engagement	Volunteers	Create and Resource a Volunteer Coordinator position (share with other departments)
Foster Citizen Engagement	Communication	Open Space and Parks evangelist on social media and email lists
Foster Citizen Engagement	Communication	Staff maintained social media presence
Foster Citizen Engagement	Communication	Pride in Land program - marketing staff involved in Open Space public outreach/public education
Foster Citizen Engagement	Communication	More city web page resources for Open Space
Foster Citizen Engagement	Communication	Regular review of online bulletin boards to stay aware of citizen concerns (and communicate Open Space updates)
Acquire Properties	Acquisition	Continue evaluating and ranking potential properties
Acquire Properties	Acquisition	Partnerships with neighbor entities for buffer, view shed, agricultural, wetland and diverse properties
Acquire Properties	Acquisition	Partner with Planning and Council to ensure that GDP and PUD public land dedications meet Open Space requirements if it is an OS dedication
Acquire Properties	Property Rights	Easements for trails
Acquire Properties	Property Rights	Right of first refusal, conservation easements

Memorandum

To: Open Space Advisory Board
From: Ember Brignull, Open Space Superintendent
Date: December 11, 2019
**Re: Action Item 10. Review and Finalize Memorandum
Regarding OSAB's Position on the Davidson Mesa Dog
Off-Leash Area for the Management of Open Space for
Tomorrow Project**

Purpose:

During the October 10, 2019 OSAB meeting the Management of Open Space for Tomorrow (MOST) committee members updated OSAB on City Councils response to the MOST framework. One request from City Council was to add a reference to the Dog off-leash area (DOLA) in the MOST goals and priorities. OSAB was not interested in highlighting the DOLA as a MOST goal or priority. However, to meet City Council's request, OSAB decided that a board member would draft a short summary, in the form of a Memorandum, identifying OSAB's position on the DOLA. Once approved by OSAB, the memorandum will be presented as an appendix to the MOST goals and priorities document for reference. During the December meeting, OSAB will review and revise the Memorandum.

As an advisory board, OSAB is presenting a recommendation for review by City Council at a later date. Any final decisions on this topic would be made by City Council if City Council deems that this topic is a City priority warranting further discussion.

Background:

Since late August, a working group of representatives from the Open Space Advisory Board (OSAB), City Staff, and the OSAB City Council Liaison have met to develop a process for providing input on goals and priorities for the future management of City of Louisville's Open Spaces. This group has been meeting to brainstorm on how OSAB, staff, citizens and City Council can partner to provide City Council with input and identify Open Space management goals and priorities for the next ten years.

The working group is called the Management of Open Space for Tomorrow (MOST). Members include Laura Scott-Denton and Helen Moshak of OSAB, City Staff Ember Brignull and Nathan Mosley and the OSAB City Council Liaison and former Mayor, Robert Muckle. The aim is to build on the foundation laid by the Parks, Recreation, Open Space and Trails Master Plan (PROST) (2011), the Open Space Master Plan (2004) and the Transportation Master Plan (2019).

The MOST subcommittee presented the framework for creating the MOST goals and priorities to City Council on September 24, 2019. City Council was generally supportive of the framework presented and requested the following:

1. Update on wayfinding sign costs,
2. Review each properties' category designation, and,
3. Mention and reference of the Davidson Mesa Dog Off-Leash Management Plan in the MOST goals and priorities.

Next Steps:

If OSAB reaches agreement on the Memorandum, then the MOST subcommittee will incorporate the Memorandum into the MOST project document. The MOST document will be reviewed by City Council at a future date.

Discussion Item 10: Review and Finalize Memorandum Regarding OSAB's Position on the Davidson Mesa Dog Off-Leash Area for the Management of Open Space for Tomorrow Project.

Memorandum

To: City Council (If agreement is reached at the December meeting)
From: OSAB (If agreement is reached at the December meeting)
Date: December 11, 2019
Re: Davidson Mesa Dog Off-lease Area

OSAB has been asked to review the status of the Davidson Mesa Off-Lease Area (DOLA) and comment on future management practice recommendations. For long time members of OSAB this is just the latest in a long line of issues that seem to reoccur regarding the DOLA. Some of the primary issues that reoccur are listed below:

- Overflow impacts to Davidson Mesa open space from DOLA users including dogs off-leash on the designated Preserve and Protect habitat areas of the property.
- Negative impacts associated with heavy usage on DOLA space designated as visitor space that degrade the property.
- Requests for amenities such as water and shade structures appropriate for a dog park but inconsistent with Open Space designation.

It is OSAB's belief that these conflicts are intractable as they are rooted in the inherent conflict of having a dog off-leash facility sited on Open Space property. It is our understanding that the off-leash area was established as a compromise in response to the very real need for dog recreation facilities in the 1990s. While perhaps this was a reasonable compromise at that time, the dramatic escalation of use of the DOLA and Davidson Mesa Open Space as a whole, have resulted in escalation of these issues.

While some management practices, such as periodic closures of the DOLA, seem to have helped to limit impacts to the property with increased demand on this resource, these impacts are beyond what should be allowed on an Open Space property. Per the Open Space Master Plan, the most permissive designation of open space property is "Open Space-Visitor Land". As defined in the Open Space Master Plan, "Open Space-Visitor Land is intended to be managed so that **recreational opportunities are compatible with resource protection** with minimal landscaping using native plants and limited irrigation. Moderate to high levels of visitation may be permitted on lands in this classification." Analysis of the vegetation in the DOLA area makes it obvious that the impacts associated with the DOLA as currently utilized is not compatible with resource protection.

That said, it is also quite clear to OSAB that there is a significant and very real need for dog recreation facilities in Louisville. OSAB also recognizes the very real benefits for dogs, their

owners and the community of such facilities. Accordingly, we recommend the following approaches for resolving this situation

1. Council could direct staff to develop a comprehensive plan to provide additional Dog Parks and Off-Leash areas in Louisville (or perhaps on non-city land in partnership with other municipalities) allowing for future closure of the Davidson Mesa Off-Leash Area. This would allow for restoration of the DOLA footprint allowing for use more consistent with the Open Space property designation.
2. Alternatively, Council could recommend that the Open Space designation for the property comprising the DOLA footprint be put to a vote of the citizens. If citizens approve such a measure, the DOLA portion of the property could be reclassified as a Parks property. This would allow for potential improvements to the DOLA to make it a more suitable dog recreation facility.

In short, it is OSAB's belief that it is time to address this inherent conflict and resolve this growing issue. To not do so is simply ignoring an issue that will only continue to create future conflict and not appropriately respect our Open Space.

DRAFT

Memorandum

To: Open Space Advisory Board
From: Ember Brignull, Open Space Superintendent
Date: December 11, 2019
Re: Action Item 11. Review and Finalize 2019 OSAB Accomplishments

Purpose:

The purpose of this Action Item is to finalize the 2019 OSAB Accomplishments document. Please review the following 2019 OSAB Accomplishment document before the meeting and email revisions to Ember Brignull by 5:00 pm on Monday, December 9, 2019. Final edits will be shared at the December meeting and reviewed by OSAB for final approval.

Background:

Annually, OSAB develops a list of goals for the year. In the past several years OSAB has improved the spreadsheet to include specific goals, action items, timelines, and goal leaders. Annually, OSAB reviews these goals to see which items have been accomplished.

Next Steps:

This Action Item completes the process for documentation of the 2019 OSAB Accomplishments.

OPEN SPACE ADVISORY BOARD - 2019 Accomplishments

DRAFT

Goal Area:	ACQUISITIONS	Lead Person:	Missy
1. Support staff in updating "Opportunities for Preserving Open Space and Improving Connectivity."			
Specific Actions:	Who	When (Q#)	Status
Action 1: Revisit format and goals of document		1, 2	Feb. - Discuss process; April- Comments on Candidate Parcels Table and Process
Action 2: Property evaluation/site visit field trip(s) to re-rate land for document		2, 3	May - Field tour; June-Field Tour; Aug. -Tiger Team results
2. Serve as resource to Council in assessing properties for Open Space land and trail potential.			
Specific Actions:	Who	When (Q#)	Status
Action 1: Provide input when requested		1, 2, 3	Jan.-Open Space Zoning Recommendations. <i>Same as 1.2.</i>
Action 2: Property evaluation activity/site visit field trip(s)		1, 2, 3	<i>Same as 1.2</i>
3. Advise and advocate for trails and acquisition.			
Specific Actions:	Who	When (Q#)	Status
Action 1: Advise on the City of Louisville Transportation Master Plan		3	July & Sept.-TMP Review & Discussion.
Action 2: Vote on Annual Boulder County Trail & Land Acquisition Recommendations		3	Aug.- Finalized Recommendations
Action 3: Revisit the OSAB New Trails evaluation document		1, 2, 3	Feb.- Strategy for developing & implementing Key Ind. Surveys; April- Letter to CM; July-Results
Action 4: Continue to advocate for Wayfinding Plan projects.		3	July & Sept.- TMP; Sept.-Joint meeting with Superior

Goal Area:	RESOURCE MANAGEMENT	Lead Person:	David
1. Provide recommendations for the new Senior Natural Resource Specialist position.			
Specific Actions:	Who	When (Q#)	Status
Action 1: Brainstorm priorities and responsibilities for the position as a discussion item.		1	Jan-Reviewed qualities and skills desired for the flyer for position
2. Continue to look for solutions to Open Space dog issues.			
Specific Actions:	Who	When (Q#)	Status
Action 1: Support clean up initiatives and events		4	
Action 2: Help the City incorporate the dog Park Siting Study into future plans.		4	
Action 3: Work with PPLAB to address dog issues on Park Land.		4	
3. Advocate for management and restoration projects.			

City of Louisville
Open Space Advisory Board

Specific Actions:	Who	When (Q#)	Status
Action 1: Advocate for prescribed fire management		2	Apr. Completed Review of Public Outreach Approach
Action 2: Comment and advise on Warembourg Fishing Pond Master Plan		4	Allan to introduce idea to OSAB and get feedback in Q1 2020
Action 3: Comment and advise on landscaping/weed issues on Open Space		1,2,3,4	Ongoing
Action 4: Participate in review of management/planning work as requested		4	Oct-. Update from MOST. Ongoing work.
Action 5: Follow up on cheatgrass work at Davidson Mesa		4	Oct.- Completed CSU Presentation
Action 6: Updates and comments on work at Harney Lastoka		NA	
Action 7: Review and comment on impacts of Coyote run slump remediation on OS		1, 2	Jan & April-Staff Updates from Nathan

4. Serve as a resource to City Council in assessing properties and trails.

Specific Actions:	Who	When (Q#)	Status
Action 1: Advise as requested			<i>Benchmark-same as 1.2 and 2.1 and 2.2</i>
Action 2: Monitor the City for changes to advise			<i>Benchmark-same as 1.2 and 2.1 and 2.2</i>

Goal Area: **WAYFINDING**

Lead Person: Helen

1. Activate the Wayfinding Tiger Team to work on re-scoping for reducing sign costs and implementation.

Specific Actions:	Who	When (Q#)	Status
Action 1: Select Tiger Team members			Complete
Action 2: Tiger Team meets with each other and with staff to research and design on strategy			Complete
Action 3: Tiger Team reports to the board for discussion of recommendations to staff.			Complete

2. Advocate for Wayfinding Standards and network goals for all projects and development plans.

Specific Actions:	Who	When (Q#)	Status
Action 1: Adhere to Wayfinding goals at all PUD reviews		4	Nawatny Ridge
Action 2: Work to keep goals in the minds of staff and Council.		3	Jul. & Sept.-TMP trail connectivity review

Goal Area: **EDUCATION & OUTREACH**

Lead Person: Laura

1. Support education programs.

Specific Actions:	Who	When (Q#)	Status
Action 1: Review 2019 staff educational plan proposals		NA	Completed Q4 of 2018
Action 2: Review educational programs as they come and their attendance			Ongoing. Shared monthly in Staff Update Memos
Action 3: Advise on marketing for educational events			Ongoing

2. Support community outreach.			
Specific Actions:	Who	When (Q#)	Status
Action 1: Board members attend Open Space booth at Farmer's Market		NA	Staff proposing to host Farmers Markets again in 2020
Action 2: Board members volunteer at events		2	Fishing Frenzy
3. Advocate for Rec. Center/Open Space Division cross-marketing and joint activities.			
Specific Actions:	Who	When (Q#)	Status
Action 1: Coordination with Senior Center—ranger led walks?		4	Review of 2020 Education Schedule in December
Action 2: Coordination with other organizations, e.g., Balfour		4	Review of 2020 Education Schedule in December

Goal Area:	GENERAL BUSINESS	Lead Person:	Mike or Peter
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1. Coordination with PPLAB			
Specific Actions:	Who	When (Q#)	Status
Action 1: "Pass the baton" to PPLAB for the dog park siting study		4	Oct.- Discuss "Pass the baton"; Director to draft Memo
Action 2: Meeting for PPLAB and OSAB chairs and staff			
Action 3: Joint PPLAB/OSAB meeting		2	Apr.-Joint meeting cancelled due to snow. April (OSAB meeting)-Topics and steps forward with PPLAB discussed and targeting a 2020 joint meeting Q1.
2. Key Indicator Surveys			
Specific Actions:	Who	When (Q#)	Status
Action 1: Revisit Council's goals for the Trail Maintenance Key Indicator survey.		1,2	Feb- discuss purpose; April- Letter to CM
Action 2: Perform a Trail Maintenance survey as requested by staff and City Council		3	OSAB Results
3. Monitor Operations and CIP Open Space budgets			
Specific Actions:	Who	When (Q#)	Status
Action 1: Inspect and review budgets as a meeting discussion item		NA	Completed in Dec. 2018
Action 2: Advise and review budgets as appropriate		NA	Completed in Dec. 2018
4. Monitor Council and staff activity as pertains to Open Space issues			
Specific Actions:	Who	When (Q#)	Status
Action 1: Continue Jeff Lipton's monthly meeting updates		1,2,3,4	Ongoing
Action 2: Board members monitor other meetings and local media for Open Space news		1,2,3,4	Ongoing

Memorandum

To: Open Space Advisory Board
From: Ember Brignull, Open Space Superintendent
Date: December 11, 2019
**Re: Discussion Item 12: Review and Recommendations
Regarding 2020 Open Space Education and Outreach
Programming**

Purpose:

The purpose of this Discussion Item is to review and offer recommendations regarding the 2020 Education and Outreach Programming schedule. Recommendations will be incorporated into the 2020 plan when possible.

Background:

In 2019, the Open Space Division conducted a total of 41 Education and Outreach programs throughout the course of the year. This total includes education programs provided to the public (31), school programming (5: 3 education and 2 volunteer), and community volunteer events (5).

For the 2020 season, staff is proposing a total of 44 programs which includes 7 community volunteer events. It is important to note that 4 of the 44 total programs are currently reserved for local BVSD school outreach programs, which have not yet been assigned on the 2020 schedule.

Of the programs listed on the proposed 2020 Education and Outreach Programming, 6 are designated for adults, 10 are kid-specific, 2 are for seniors, and the remaining programs are for all ages. A total of 15 new programs have been proposed for 2020.

Staff addressed the distribution of programming categories by developing a monthly programming skeleton to be used for programs scheduled for the year. Each month's programming was assigned to address the following categories: Wildlife, Outdoor Skill, and Resource. Additionally, staff ensured that each month had at least one dedicated children's program and one adult-only program. Staff is increasing efforts to include additional programming for seniors.

In order to allow staff time to develop programming during the winter months, fewer monthly programs will be held January - March and November - December. Conversely, more monthly programs will be held April - October. This will concentrate the majority of programming to the middle of the year when weather is more favorable and events are more likely to attract higher attendance numbers.

In early 2020, staff will schedule a meeting with other City Divisions to check-in and share upcoming programming in order to identify any scheduling conflicts and/or co-programming opportunities and interests before content is due for the Second Quarter Community Newsletter.

For advertising, Open Space staff will continue to collaborate with the Department and City Marketing Specialists to look for new opportunities to increase outreach. Existing outreach efforts will continue to utilize nation-wide event websites; EventBrite; the City website page, Facebook page, and listserves; brochures, flyers, and rack cards which are distributed at the Louisville Library, Recreation Center, Senior Center, Historical Museum, White House, City Hall, Farmer's Markets, and handed out by staff in the field. Lastly, staff will continue to increase communication and collaboration with other Divisions and nearby Cities to reach a larger more diverse audience.

Next Steps:

Staff will develop, schedule, and contact partners for the approved education and outreach programs.

As OSAB works on creating 2020 OSAB Goals, staff encourages board members to consider participating in volunteer events and at the following educational and outreach events:

- Harney Lastoka Farm Day - March
- Fishing Frenzy - April
- Kids to Parks Day – May
- Farmer's Market Booths (3) –May-July

Louisville Draft Education and Outreach Programs 2020

Discussion Item 12: Review the Draft 2020 Open Space Education and Outreach Programs

LEGEND <i>(Color Code)</i>		Cross-promoted Programs	Volunteer Events	Partnership not yet confirmed	
Event Name	Category	Target Audience	Partnership(s)	Description	
January					
1	First Day of New Year Hike (NEW for 2020!)	Resource	All Ages	None	Join the Ranger Naturalist in ringing in the New Year with a 1.5 mile loop around Davidson Mesa Open Space! Please dress in layers and wear comfortable and warm footwear. Leashed pets are welcome.
2	Shutter Talk: Nature Photography 101 (NEW for 2020!)	Outdoor Skill	Adults	None	Come for an introduction to nature photography with an emphasis on taking pictures in winter. We'll discuss camera and lighting equipment as well as the fundamentals of framing and capturing beautiful images with the constraints of the amateur photographer in mind. This class is catered towards beginners with little-to-no equipment, although all skill levels are welcome!
February					
3	Exporing the Secretive Life of Birds of Prey (NEW for 2020!)	Wildlife	Adults	Colorado Avian Research and Rehabilitation Institute; Library to help advertise	Join the Colorado Avian Research and Rehabilitation Institute to discover the secretive life of birds of prey as seen through raptor cameras.
4	Science of Snowflakes (NEW for 2020!)	Resource	Ages 8-12	None	How do snowflakes form? What makes them have such interesting and unique shapes? Come to learn the science of these fluffy icons of winter and make some fun snowflake crafts.
5	Walk with a Ranger Naturalist	Resource	All Ages	None	Join the City of Louisville's Ranger Naturalists for an informal stroll! Every other month, we'll visit a different property to discuss its unique ecology, history, and management practices. Bring your questions and some good hiking shoes!
March					
6	Soils	Resource	Adults	Colorado State University Partner with Sustainability	Over 80% of all landscape and garden plant problems are associated with the condition of the soil, yet soil is the resource that gardeners usually know the least about. This class discusses the basic soil properties that gardeners should understand in order to create and maintain a healthy landscape. Appropriate soil management practices for Colorado landscapes will be discussed, as well as harmful or unnecessary practices that should be avoided.
7	Natural Resource Guided Tour (NEW for 2020!)	Resource	Adults	None	Join Open Space staff for a walk on Davidson Mesa to observe and discuss past resource management efforts on the property and learn about future conservation efforts.
8	Harney Lastoka Farm Tour	Resource	All Ages	Library, History Museum, Sustainability, Boulder County Parks and Open Space, City of Lafayette	Bring the kids and celebrate Colorado Ag Day at Harney Lastoka Open Space by joining the City of Louisville, City of Lafayette, and Boulder County Parks and Open Space! Take a tour of the 7th Generation Farm on the property and learn about the farm and mining history. The kids will also enjoy a planting activity, view the farm animals, and play games. Participants can also sample local produce and learn about 7th Generation Farm's Community Supported Agriculture program!
April					
9	Fishing Frenzy	Wildlife	Kids	Recreation Center & Colorado Parks and Wildlife	Bring your kids and your fishing gear and head on down to the Warembourg fishing pond for a fishing clinic sponsored by Colorado Parks and Wildlife and the Louisville Parks & Recreation Department. Topics to be covered will include knots, casting, fish habitat, fish handling, laws and more. Once making it through all of the educational stations you will be given your very own children's fishing pole! Fishing licenses are required for parents and children over the age of 15.
10	Earth Day Volunteer Event (NEW for 2020!)	Volunteer	All Ages	Sustainability, OSAB	Help celebrate the 50th anniversary of Earth Day by assisting with a clean-up on Open Space!

Louisville Draft Education and Outreach Programs 2020

Discussion Item 12: Review the Draft 2020 Open Space Education and Outreach Programs

LEGEND (Color Code)	Cross-promoted Programs	Volunteer Events	Partnership not yet confirmed		
April (Cont.)					
11	City Nature Challenge (NEW for 2020!)	Wildlife/Outdoor Skill	All Ages	Colorado Parks and Wildlife	The City Nature Challenge is an international effort for people to find and document plants and wildlife in cities across the globe. It's a bioblitz-style competition where cities are in a contest against each other to see who can make the most observations of nature, who can find the most species, and who can engage the most people.
12	Walk with a Ranger Naturalist	Resource	All Ages	None	Join the City of Louisville's Ranger Naturalists for an informal stroll! Every other month, we'll visit a different property to discuss its unique ecology, history, and management practices. Bring your questions and some good hiking shoes!
May					
13	Kids to Parks Day	Wildlife	Kids	Library, Arts and Culture, Potentially Sustainability & Recreation Center	Get out of the house and have some fun with nature activities at Louisville's Cottonwood Park! Kids will learn about environmental stewardship, how to use binoculars, and engage in interactive activities such as compass and navigation skills, casting animal tracks, and looking at animal pelts in a nature setting. The goal of Kids to Parks Day is to connect kids of all ages to parks; to enjoy the outdoors, learn from these wonderful outdoor classrooms, and instill the importance of stewardship. Kids to Parks Day engages parks across the country including local, state and national parks, and public lands and waters.
14	Bird Walk	Outdoor Skill	Seniors	Senior Center to help advertise	Open Space offers great habitat for wildlife! Join Open Space volunteer for a relaxed bird walk to look for raptors and birds nesting on TBD Open Space! Please bring binoculars if you have them.
15	Noxious Weed ID Training	Resource	Adults	None	Come and look at noxious weed samples and walk Davidson Mesa Open Space with Open Space staff to see and learn about some of Colorado's noxious weeds and why we need to control them.
16	Farmer's Market Booth	Wildlife; Resource; Outdoor Skill	All Ages	OSAB City Staff	Stop by our booth and chat with a Ranger Naturalist and other City Staff regarding Open Space information, questions, and events. Rangers will have an assortment of pelts, skulls, outdoor activities, and facts for kids!
June					
17	National Trails Day	Volunteer	All Ages	Sustainability	Please join the Open Space Division in celebrating National Trails Day by repairing _____ on _____ Open Space. Volunteers will be _____. Due to the anticipated high number of volunteers, please bring your own tools.
18	Farmer's Market Booth	Wildlife; Resource; Outdoor Skill	All Ages	OSAB City Staff	Stop by our booth and chat with a Ranger Naturalist and other City Staff regarding Open Space information, questions, and events. Rangers will have an assortment of pelts, skulls, outdoor activities, and facts for kids!
19	Wildflower Hike	Resource	All Ages	Volunteer	Join Open Space Volunteer (TBD) to search for wildflower blooms on Davidson Mesa and identify them. Once you know a flower by name, you can easily learn more; either by reading more about it on the internet, or just observing its distribution, seasonal changes, and relationships with other organisms. We'll walk about a quarter of a mile to the ridge and work together on a flower checklist along a short loop trail
20	Walk with a Ranger Naturalist	Resource	All Ages	None	Join the City of Louisville's Ranger Naturalists for an informal stroll! Every other month, we'll visit a different property to discuss its unique ecology, history, and management practices. Bring your questions and some good hiking shoes!

Louisville Draft Education and Outreach Programs 2020

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LEGEND (Color Code)	Cross-promoted Programs	Volunteer Events	Partnership not yet confirmed		
July					
21	Pulling for Colorado	Volunteer	All Ages	None	The Open Space Division is working hard to restore Davidson Mesa Open Space and we need your help! Come and learn why noxious weed management is important during weed identification training from 9:00 to 9:30 am and then help clip seed heads and dig up noxious weeds that are threatening Davidson Mesa Open Space. Pulling for Colorado is a statewide campaign to educate the public about noxious weeds and promote on-going weed control efforts. FREE native plants, refreshments and snacks will be provided. Please bring gloves and be prepared for the elements (bring sunscreen, pants, hat, sunglasses, NO open-toed shoes).
22	Farmer's Market Booth	Wildlife; Resource; Outdoor Skill	All Ages	OSAB City Staff	Stop by our booth and chat with a Ranger Naturalist and other City Staff regarding Open Space information, questions, and events. Rangers will have an assortment of pelts, skulls, outdoor activities, and facts for kids!
23	Volunteer Weed Pull	Volunteer	All Ages	None	The Open Space Division is working hard to remove weeds on TBD Open Space and we need your help! Come and learn about the targeted noxious weeds from 6:30 to 6:40 pm and then we will be clipping and bagging seed-heads of noxious weeds on the property. Please bring gloves and hand clippers (if you have them) and be prepared for the elements (bring sunscreen, long-sleeved shirt, pants, hat, sunglasses, NO open-toed shoes).
24	Paint the Mesa (NEW for 2020!)	Outdoor Skill	Ages 12+	Arts Center	Do you enjoy painting landscapes? Or maybe you've only done still-life pieces and want to try something different. Bring your paint, canvas, and brushes for an informal paint event to mingle with other local painters. We'll bring beautiful views of Davidson Mesa!
August					
25	Volunteer Weed Pull	Volunteer	All Ages	None	The Open Space Division is working hard to remove weeds on TBD Open Space and we need your help! Come and learn about the targeted noxious weeds from 6:30 to 6:40 pm and then we will be clipping and bagging seed-heads of noxious weeds on the property. Please bring gloves and hand clippers (if you have them) and be prepared for the elements (bring sunscreen, long-sleeved shirt, pants, hat, sunglasses, NO open-toed shoes).
26	Bug Safari (NEW for 2020!)	Resource	Kids	Butterfly Pavillion, Library to help advertise	In this Butterfly Pavillion presentation, guests meet invertebrates from environments around the globe, hear about their characteristics, where and how they live, and why they are important in our world.
27	Program with Seniors (NEW for 2020!)	Outdoor Skill	Seniors	Senior Center	Join Open Space staff for a walk on Open Space to learn about local wildlife, habitat protection, and Open Space management efforts.
28	Walk with a Ranger Naturalist	Resource	All Ages	None	Join the City of Louisville's Ranger Naturalists for an informal stroll! Every other month, we'll visit a different property to discuss its unique ecology, history, and management practices. Bring your questions and some good hiking shoes!
September					
29	Rx Burn Talk (NEW for 2020!)	Resource	Adults	TBD	Join Open Space Staff as they discuss the results and benefits of the City's prescribed burn program! Participants will learn about the ecology of prescribed burning, and why it works best for our Prairie landscapes, as well as see before and after photos of Aquarius and Davidson Mesa Open Spaces!

Louisville Draft Education and Outreach Programs 2020

Discussion Item 12: Review the Draft 2020 Open Space Education and Outreach Programs

LEGEND (Color Code)	Cross-promoted Programs	Volunteer Events	Partnership not yet confirmed		
September (Cont.)					
30	Volunteer Weed Pull	Volunteer	All Ages	None	The Open Space Division is working hard to remove weeds on TBD Open Space and we need your help! Come and learn about the targeted noxious weeds from 6:30 to 6:40 pm and then we will be clipping and bagging seed-heads of noxious weeds on the property. Please bring gloves and hand clippers (if you have them) and be prepared for the elements (bring sunscreen, long-sleeved shirt, pants, hat, sunglasses, NO open-toed shoes).
31	Tools for Citizen Science (NEW for 2020!)	Outdoor Skill	All Ages	Louisville Library	A presentation and workshop introducing smart phone- and web-based platforms that turn outdoor enthusiasts into citizen scientists. Learn about how to use the iNaturalist and eBird apps and learn how conservation scientists use biodiversity data submitted by citizens. We will go step by step instructions on how to get the iNaturalist app and get started submitting natural history records.
32	Birds of Prey Demonstration	Wildlife	Kids	TBD, Library to advertise	Join the Birds of Prey Foundation and dive into the characteristics that define raptors and why they are important to our ecosystems. Participants will discover the various types of birds of prey found all over the Front Range, what it takes to care for a bird of prey, and hear personal histories, anatomy, hunting strategies, and habitats.
October					
33	How to Make Your Yard More Wildlife Friendly (NEW for 2020!)	Wildlife	Ages 12+	TBD	Whether you have a yard or an apartment, there are things that we can all do to help wildlife thrive. Join us for tips on how to attract wildlife to your home, what to do with injured wildlife, and how to protect your home from nuisance wildlife.
34	Walk with a Ranger, Dark Sky Monitoring (NEW for 2020!)	Resource	Ages 12+	None	We take it for granted that we can see the stars at night, but did you know that true darkness is an endangered resource? Parks and Open Space areas play a vital role in preserving pools of darkness in our urban landscape. Join the Ranger Naturalist(s) for a nighttime hike and an easy science project to measure the impact of Louisville's Open Spaces in preserving our dark skies.
35	Spooktacular Critters	Wildlife	Kids	Library to advertise	Spooktacular Critters is a fun Halloween event for the young and the young at heart. Please join us for Truths-n-Treats. Learn the real truths about snakes, spiders, bats and bones and treat yourself and create a critter craft to make and take home. Wear your best Halloween costumes!
November					
36	Day After Thanksgiving Hike (NEW for 2020!)	Resource	All Ages	None	Walk off your holiday feast, share stories with your neighbors and learn about local ecology on this post-Thanksgiving Hike with a Louisville Ranger Naturalist!
37	Astronomy	Outdoor Skill	All	TBD Potential partner with Recreation Center to host and help advertise event	Join staff from TBD (planetarium) and a large telescope for a trip through the universe! We'll learn about and look for the rings of Saturn and moons of Jupiter before venturing off into the far reaches of the galaxy and beyond.
38	Holiday Crafts (NEW for 2020!)	Resource	Kids	Potential partnership with Recreation Center	Come have some fun and get ready for the holidays with some nature-themed crafts! Participants can create their own gift wrap, ornaments, and other crafts.
December					
39	Christmas Bird Counts	Wildlife	All ages	TBD	Join Open Space staff for a walk on TBD property to learn about local birds and help count for the Audubon Christmas Bird Count. Bird numbers from this event will be entered into the database for the nation's longest-running community citizen science bird project.

Louisville Draft Education and Outreach Programs 2020

Discussion Item 12: Review the Draft 2020 Open Space Education and Outreach Programs

LEGEND <i>(Color Code)</i>	Cross-promoted Programs	Volunteer Events	Partnership not yet confirmed	
40 Walk with a Ranger Naturalist	Resource	All Ages	None	Join the City of Louisville's Ranger Naturalists for an informal stroll! Every other month, we'll visit a different property to discuss its unique ecology, history, and management practices. Bring your questions and some good hiking shoes!

Open Space Advisory Board TENTATIVE* Board Items Calendar

(Updated December 3, 2019)

January 8, 2020	February 12, 2020	March 11, 2020
<p>Action Items:</p> <ul style="list-style-type: none"> • Agenda Posting Locations • Officer Elections • Finalize OSAB 2020 Goals <p>Updates/Discussion from the Department:</p> <ul style="list-style-type: none"> • Introduce New Board Members • Update OSAB Member Contact List • Distribute Open Government & Ethics Pamphlet • Trails <ul style="list-style-type: none"> - Hecla to Waneka - Lake to Lake <p>Updates/Discussion from the Board:</p> <ul style="list-style-type: none"> • Board Recommendations for OSAB 2020 Goals • Social Trails 	<p>Action Items:</p> <p>Updates/Discussion from the Department:</p> <ul style="list-style-type: none"> • Dog Park Siting Guidelines Handoff to PPLAB <p>Joint Board Meeting with PPLAB</p> <ul style="list-style-type: none"> • Social Trails • Nature Play • Dog Siting Guidelines • Nawatny Ridge • Renaming Lake Park and Walnut • Wayfinding • Dog Park Siting Guidelines Handoff to PPLAB <p>Updates/Discussion from the Board:</p>	<p>Action Items:</p> <p>Updates/Discussion from the Department:</p> <ul style="list-style-type: none"> • Review Department Trail Priorities & Make Recommendations on New Trails (Allan Gill) • OSAB Review 2020 Operational and Capital Budget <p>Updates/Discussion from the Board:</p>
April 8, 2020	May 13, 2020	June 10, 2020
<p>Action Items:</p> <ul style="list-style-type: none"> • OSAB Recommendations for Future Operational and Capital Improvement Projects <p>Updates/Discussion from the Department:</p> <p>Updates/Discussion from the Board:</p>	<p>Action Items:</p> <p>Updates/Discussion from the Department:</p> <p align="center">TBD</p> <p>Updates/Discussion from the Board:</p>	<p>Action Items:</p> <p>Updates/Discussion from the Department:</p> <p align="center">TBD</p> <p>Updates/Discussion from the Board:</p>

*All items are subject to change. A final version of the agenda is posted on the web during the week prior to the OSAB meeting.