

Open Space Advisory Board Agenda

**Wednesday, February 13, 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)
6. 7:10 pm City Council Liaison Updates (15 Minutes)
 - A. Board Schedule
7. 7:25 pm Board Updates (15 Minutes)
 - A. Vice-Chair to Chair for March Meeting
8. 7:40 pm Public Comments on Items Not on the Agenda (5 Minutes, more time as needed)
9. 7:45 pm Resolution of Appreciation for Jeff Lipton, City Council Liaison to OSAB (5 Minutes)
10. 7:50 pm Discussion Item: Water System Improvement Projects. Presented by: Cory Peterson, Water Resource Engineer City of Louisville Public Works Department (20 Minutes)
11. 8:10 pm Discussion Item: Update and Lessons Learned from the Encroachment Campaign. (30 minutes)
12. 8:40 pm Discussion Item: Strategy for Developing & Implementing Key Indicator Surveys (20 Minutes)

City of Louisville

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

- A. Acquisition Sub-Program: "OSAB Ranked and Council Reviewed Candidate Parcel"
 - (1) Select Tiger Team members to develop and recommend a new procedure and report back to OSAB at March meeting
 - B. Maintenance & Management Sub Program: "*Maintenance of Open Space Rating*"
 - C. New Trails & Trail Maintenance Sub-Program: "Maintenance Rating" and "*Trash Containers Rating*"
13. 9:00 pm Discussion Items for Next Meeting on March 13, 2019
14. Adjourn

Open Space Advisory Board Meeting Minutes
Wednesday January 9, 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: David Blankinship, Missy Davis, Laura Scott Denton, Peter Gowen, Helen Moshak, Mike Schantz, Tom Neville
Board Members Absent: Fiona Garvin
City Council Members Present: Jeff Lipton
Staff Members Present: Ember Brignull, Nathan Mosley
- 3. Approval of Agenda**
Peter moved to approve the agenda as written. Helen seconded. The motion passed unanimously.
- 4. Approval of Previous Meeting's Minutes**
Peter moved to approve the minutes as written. Mike seconded. The motion passed unanimously.
- 5. Staff Updates— Ember**
 - A. Introduction of Nathan Mosely - Director of Parks, Recreation, and Open Space for the City of Louisville. Formerly of Adams County Open Space. Biggest achievement in Adams: acquisition of Willow Bay along the South Platte (\$9M - NRD, GOCO, sales tax).
 - B. Ember: Recent meeting with regional trail partners (Boulder County, Lafayette, Broomfield). Talking about the trail connections OSAB recommended to Council. Discussed Overlook Underpass, 104th Street Connection. Will regrouped on 104th St trail alignments at a later date, good group momentum.
 - C. Ember; Boulder County working on regional trail app (grant funded).
 - D. Ember: Re: Coyote Run - On City Council schedule for February 2 to approve construction contract.
- 6. City Council Liaison Update**
 - A. During December: Board and Commission Interviews, Appointments
 - B. City Staff has been working on a strategic plan, City Manager's office is implementing the final draft. Requests Ember sends link to the draft to OSAB.
 - C. Working on Council work plan for 2019. Important to establish goals and priorities of Council; avoid distraction and make certain there is enough time allocated to priorities. (Mike: sense that Council is collectively in support of moving toward a management priority as opposed to an acquisition priority but would support high priority acquisition with strategic partnership and sound fiscal approach.

City of Louisville

7. Board Updates

- A. Helen: Email from Superior Open Space Board inquiring re: interest in meeting with them in 2019.

- B. David: Notices that Highway 36 bikeway has done a great job of adding signage (materials, useful information). OSAB members should take note and capitalize on the momentum. Also, safety on Coal Creek Trail underpasses is suffering due to lack of lighting.
 - (1) Dillon Road near Golf Course and
 - (2) Under 42 toward Aquarius trailhead. We need good lighting source (may need solar).

8. Public Comments on Items Not on the Agenda

None.

9. New Member Introduction

Tom Neville, retired family physician. Resident for of Louisville for 4.5 years, excited about the opportunity. Previous experience includes Rail to Trail Conversion in Clinton County, Ohio. Priorities: neighborhood underpass connections. Mentor to Tom: Peter Gowen.

10. 2019 Housekeeping.

- A. Unanimous approval of Agenda Posting Locations
- B. Distribution of Open Government & Ethics Pamphlet
- C. Officers:
 - (1) Secretary: Fiona is nominated and unanimously confirmed as Secretary.
 - (2) Chair: Laura is nominated and unanimously confirmed as Chair.
 - (3) Vice-Chair: Peter Gowen is nominated and unanimously confirmed as Vice-Chair.
- D. Member contact list confirmed.
- E. Volunteer hours worksheet for 2018 circulated.

11. Finalize and Approve 2018 OSAB Accomplishments & OSAB Goals

- A. Motion to Approve the 2018 Open Space Accomplishments as written by Peter. Missy seconded. Unanimously approved.
- B. 2019 Open Space Advisory Goals
 - General Business:**
 - Subsection 1, Action 1. Rewrite to: Work with PPLAB to develop format for public input on dog facility park siting guidelines.
 - Subsection 1, Action 2. Rephrase to: "transition primary responsibility for dog facility to PPLAB."
 - Subsection 1, Action 3. Retain-Encourage a joint meeting PPLAB/OSAB in 2019.
 - Subsection 1, Action 4. Add "Advise on Open Space Zoning"
 - Subsection 2, Action Item 2. Eliminate.
 - Add Subsection 5. Coordinate joint meeting between Louisville OSAB and Superior OS Board in 2019.

Acquisitions:

- Subsection 2, Action 2. Eliminate

Resource Management

Subsection 3, Action 1. Q3.

Subsection 3, Action 4. Eliminate.

Wayfinding

Add Subsection 1, Action 4. Add “Tiger team facilitates Board communication with the planning Department to advocate for a collaborative approach, trail connectivity, and prioritizing wayfinding.”

Add Subsection 1. Action 5. Add “Develop public outreach and feedback approach for interface with the public.”

12. Discussion Item: Open Space Zoning

Phase 3 of Zoning. Home Rule Charter Mandates that we zone Open Space Property so that a future change of use would need to go to a vote of the people of Louisville. 2011: Created a zoning district. Lake Park discussion is scheduled in 2020 to coincide with Cottonwood Park master planning - it will not be discussed tonight.

Walnut Open Space: Board unanimously supports staff recommendation. Peter moved, Tom seconded. Mike supports nature play in this location in the future.

Daughenbaugh/Warenbourg: Board unanimously supports staff recommendation. Missy moved, Peter seconded.

Coal Creek Trail: Board unanimously supports staff recommendation. Peter moved, Tom seconded.

Olson: Board unanimously supports staff recommendation. Red parcel will be evaluated by staff more in the near future. Tom moved, Peter seconded.

Dutch Creek: Generally, OSAB is in support of Option A. However, in the event the Dutch Creek Recreation area footprint is not sufficient to meet the recreation needs of the community, OSAB will accept Option B. Moved by Peter, Helen seconded. Board unanimously passed.

13. Discussion Item: Senior Natural Resource Management Position

Ember shared that this document is just for fun to start a discussion with OSAB about desired qualities, skills, and experience of the future candidate. This document/image will not be used in the recruiting process but themes from this discussion will be included in drafting the job description where applicable.

Comments:

- A. Qualities: “ability to work independently” should be moved higher on the list.
- B. Counterpoint: leadership and initiative should be stressed.
- C. Bottom 3 from Skills need to be moved to Qualities
- D. Range management skills should be stressed.
- E. Demonstrated taking a project from conception to implementation.
- F. Interest of diversity: drop male image.
- G. Passion for field work should be emphasized.
- H. Skills and experience: creation of baseline data sets/inventory is important.
- I. Is this person going to be a player in the educational efforts? Not as their primary focus, but as a specific program expert.
- J. Masters Level position (or Bachelor’s with experience).

- K. ArcGIS could be eliminated, it can be learned.
- L. Technical skills need to be emphasized.
- M. Weed control background important, as is restoration ecology and remediation.
- N. Grant writing skills are important

14. Discussions Items for the Next Meeting on Wednesday, February 13, 2019

- A. Louisville Lateral Piping form HBWTP to SCWTP) Impacting Davidson Mesa to Harper.
- B. Develop Timeline and Approach from Key Indicator Survey Development: Trash Container Rating & Maintenance of Open Space Rating
- C. Tiger Team Launch for Candidate Parcels
- D. Coyote Run Slope Update

15. Adjourn

The meeting adjourned at 9:43 pm.

January Minutes Continued from Discussion Item 10 - Provided at January Meeting but not in packet

City of Louisville
Open Space Advisory Board

OPEN SPACE ADVISORY BOARD - 2019 GOALS

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			
Action 2: Property evaluation/site visit field trip(s) to re-rate land for document			
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			
Action 2: Property evaluation activity/site visit field trip(s)			
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			
Action 2: Vote on Annual Boulder County Trail & Land Acquisition Recommendations			
Action 3: Revisit the OSAB New Trails evaluation document			
Action 4: Continue to advocate for Wayfinding Plan projects.			

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.			
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			
Action 2: Help the City incorporate the dog Park Siting Study into future plans.			
Action 3: Work with PPLAB to address dog issues on Park Land.			
3. Advocate for management and restoration projects.			
Specific Actions:	Who	When (Q#)	Status
Action 1: Advocate for prescribed fire management			

City of Louisville
Open Space Advisory Board

Action 2: Comment and advise on Warembourg Fishing Pond Master Plan			
Action 3: Comment and advise on landscaping/weed issues on Open Space			
Action 4: Participate in review of management/planning work as requested			
Action 5: Follow up on cheatgrass work at Davidson Mesa			
Action 6: Updates and comments on work at Harney Lastoka			
Action 7: Review and comment on impacts of Coyote run slump remediation on OS			
4. Serve as a resource to City Council in assessing properties and trails.			
Specific Actions:	Who	When (Q#)	Status
Action 1: Advise as requested			
Action 2: Monitor the City for changes to advise			

Goal Area: WAYFINDING	Lead Person: Helen
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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			
Action 2: Tiger Team meets with each other and with staff to research and design on strategy			
Action 3: Tiger Team reports to the board for discussion of recommendations to staff.			
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			
Action 2: Work to keep goals in the minds of staff and Council.			

Goal Area: EDUCATION & OUTREACH	Lead Person: Laura
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1. Support education programs.			
Specific Actions:	Who	When (Q#)	Status
Action 1: Review 2019 staff educational plan proposals			
Action 2: Review educational programs as they come and their attendance			
Action 3: Advise on marketing for educational events			
2. Support community outreach.			
Specific Actions:	Who	When (Q#)	Status

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Action 1: Board members attend Open Space booth at Farmer’s Market			
Action 2: Board members volunteer at events			
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?			
Action 2: Coordination with other organizations, e.g., Balfour			

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			
Action 2: Meeting for PPLAB and OSAB chairs and staff			
Action 3: Joint PPLAB/OSAB meeting			
2. Key Indicator Surveys			
Specific Actions:	Who	When (Q#)	Status
Action 1: Revisit Council’s goals for the Trail Maintenance Key Indicator survey.			
Action 2: Perform a Trail Maintenance survey as requested by staff and City Council			
3. Monitor Operations and CIP Open Space budgets			
Specific Actions:			
Action 1: Inspect and review budgets as a meeting discussion item			
Action 2: Advise and review budgets as appropriate			
4. Monitor Council and staff activity as pertains to Open Space issues			
Specific Actions:			
Action 1: Continue Jeff Lipton’s monthly meeting updates			
Action 2: Board members monitor other meetings and local media for Open Space news			

January Minutes continued from Discussion Item 10 - Recommendations Discussed at January Meeting

City of Louisville

Open Space Advisory Board

OPEN SPACE ADVISORY BOARD - 2019 GOALS

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Open Space Advisory Board

Action 2: Board members monitor other meetings and local media for Open Space news			
<u>5. Coordinate joint meeting between Louisville OSAB and Superior OSAB Board in 2019.</u>			

Memorandum

To: Open Space Advisory Board
From: Ember Brignull, Open Space Manager
Date: February 13, 2019
Re: Staff Updates

General:

- 2018 Volunteer Hours Results: 197 volunteers participated in our Open Space Volunteer Program contributing 816 hours. OSAB contributed 299.75 of these hours. Thank you, volunteers!
- The City of Louisville is excited to provide an opportunity for viewers to watch courtship, incubation, and feeding activities of great horned owls during breeding season. The cameras are now available to view on the City website at:
<http://www.louisvilleco.gov/government/departments/parks-recreation/open-space-division>
Both of the video feeds are best viewed when opened in Chrome or Safari. Activity has been observed on most nights at both locations and staff is optimistic that the pairs will begin incubation sometime in February. This opportunity is provided with the help of our partnership with the Colorado Avian Research and Rehabilitation Institute (CARRI).
- The City had completed the framework for the Strategic Plan. Content can be found here:
<http://www.louisvilleco.gov/residents/strategic-plan>
- Interpretive panels will be installed at the bird blind on Hecla Lake Open Space by the end of February.
- The new Senior Natural Resource Specialist position has been posted and the seasonal positions will be posted soon.
- The City is continuing collaboration on the map app with other Front Range organizations.
- The Coyote Run Slope contract is tentatively scheduled to go to City Council on March 5th.
- Municipal Code Revisions for the Parks and Open Space Titles are scheduled for Legal Committee Review on February 21st.
- Education programs for March through May have been submitted for addition to the City Newsletter and City Calendar.
- Addition of recycling containers are being considered at high use (parking lot/trailhead areas) on Open Space properties. Compost containers are not being recommended by staff due to wildlife concerns.
- Trail alignment of the 104th St trail will be discussed with partners this month.

Education:

Past:

- January 13th: Amazing Animal Adaptations at the Louisville Library. 16 participants.
- January 20th: Raptor Monitoring Training at the Louisville Library. 45 participants. As a result of this meeting 11 new volunteer applications were submitted with an interest in monitor nest in 2019.
- February 3rd: Scats and Tracks Program at the Louisville Library. 8 participants.

Upcoming:

- February 16th Walkin' and Talkin' with the Mayor and Ranger Naturalist from 9:00 to 10:00 am at Daughenbaugh and Warembourg Open Space (meet at the Daughenbaugh parking lot, off of Cherry St.).
- February 25th Using Soil Testing as a Landscape Management Tool from 6:30 to 8:00 pm at the Louisville Library, 1st floor meeting room (951 Spruce St.).

Open Space Advisory Board

February 2019 Resolution of Appreciation

Resolution of Appreciation for Councilmember Jeff Lipton

Upon the passing of the torch of the OSAB liaison position, the Open Space Advisory Board of the City of Louisville would like to extend a formal resolution of appreciation toward our City Council Liaison, Jeff Lipton.

Jeff has provided a critical link between our board and City Council, proving how vital this role can be, in both senses of the word. We asked him so frequently for insight into Council's processes, budgets, and thinking, that his updates became a formal item on our agenda. These issues can be complicated and fraught, and Jeff was patient with us as he taught us what he knows. He was sensitive to issues he knew we care about: he would keep an ear out for news and information he knew we would want to hear. But just as importantly, Jeff was an information conduit in both directions. As he became the liaison, it was clear that our priorities and ideas were being brought to the City Council, and being discussed. It is important to the successful functioning of this board to know that the results of our work are important to our elected leaders. Jeff was a particularly effective link and advocate.

Jeff was a resource to us as a wealth of knowledge and experience about the City, but he was also a good personal example to our board. He is a good listener. He speaks with forethought, parsimony, and purpose. He has conviction, but knows how to disagree collegially; he is also willing to be persuaded. Perhaps Jeff's most astonishing trait is that he keeps his sense of humor and bonhomie long into the night. We all have benefitted from his example, and are very grateful for his service and friendship. Please keep in touch, Councilman Lipton.

To: Open Space Advisory Board
CC: Kurt Kowar, Director of Public Works
From: Cory Peterson, Water Resources Engineer
Date: 2/6/2019
Re: Discussion Item 10. Water System Improvement Projects

Summary:

The City is currently in the design process of two raw water system improvement projects that will traverse Open Space areas. These projects are intended to improve system reliability and increase capacity for anticipated future growth.

The first and more imminent is the Southern Water Supply Pipeline (SWSP). This project includes the installation of a new raw water pipeline from the Louisville Superior Pump Station located adjacent to Hecla Lake to the Sid Copeland Water Treatment Plant (SCWTP), on Washington Avenue next to Louisville Reservoir. The pipeline will travel through North, Bullhead Gulch and Hecla Lake Open Space areas and parallel the existing raw water pipeline that was installed in 1995. The function of this pipeline is to increase the delivery capacity of the City's water rights from Northern Water that comprise about 30% of the City's total supply. In addition, this pipeline will be the City's final connection to the yet to be constructed \$425 million Chimney Hallow Reservoir.

The second project is the planned piping of the Louisville Lateral. The Louisville Lateral is an open ditch from the Community Ditch and Howard Berry Water Treatment Plant in the southwest corner of the City that passes northeast through the Davidson Mesa Open Space around Harper Lake and to Louisville Reservoir. The Lateral can be used to transport raw water stored in Marshall Lake to SCWTP.

Next Steps:

SWSP - A design contract is scheduled for City Council on February 19th and will commence shortly thereafter. Construction of this new pipeline will start at the conclusion of the design process in late 2019 or in early 2020.

Lateral - This project has already reached the 90% design level, however due to funding constraints the project has been delayed until 2022. Ongoing discussions are in process that could result in this project being moved back up to 2020.

Attached:

- Louisville Lateral Prelim Alignment
- SWSP Prelim Alignment

CITY OF LOUISVILLE LOUISVILLE LATERAL PIPING CITY OF LOUISVILLE, STATE OF COLORADO 90% DESIGN DOCUMENTS

CONTACTS

OWNER:	CITY OF LOUISVILLE 749 MAIN STREET LOUISVILLE, CO 80027	CORY PETERSON, P.E. (303) 335-4608 WWW.LOUISVILLECO.GOV
CIVIL ENGINEER:	JVA, INC 1319 SPRUCE STREET BOULDER, CO 80302	CHAD CANTRELL, P.E. (303) 444-1951 CCANTRELL@JVAJVA.COM

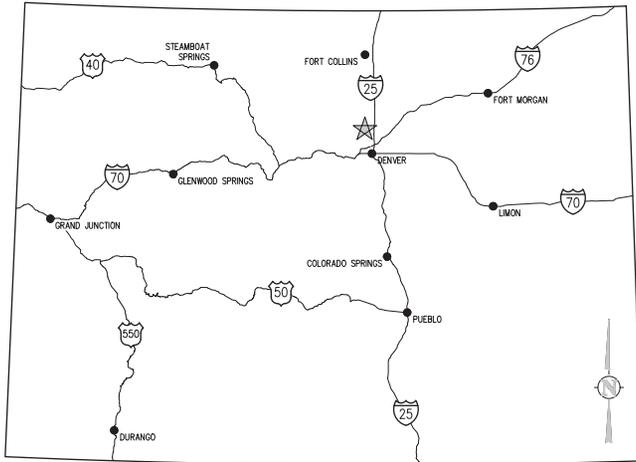


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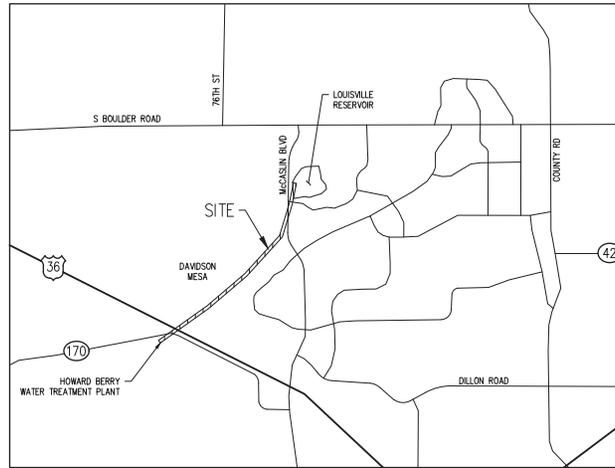
JANUARY 2019

DRAWING INDEX

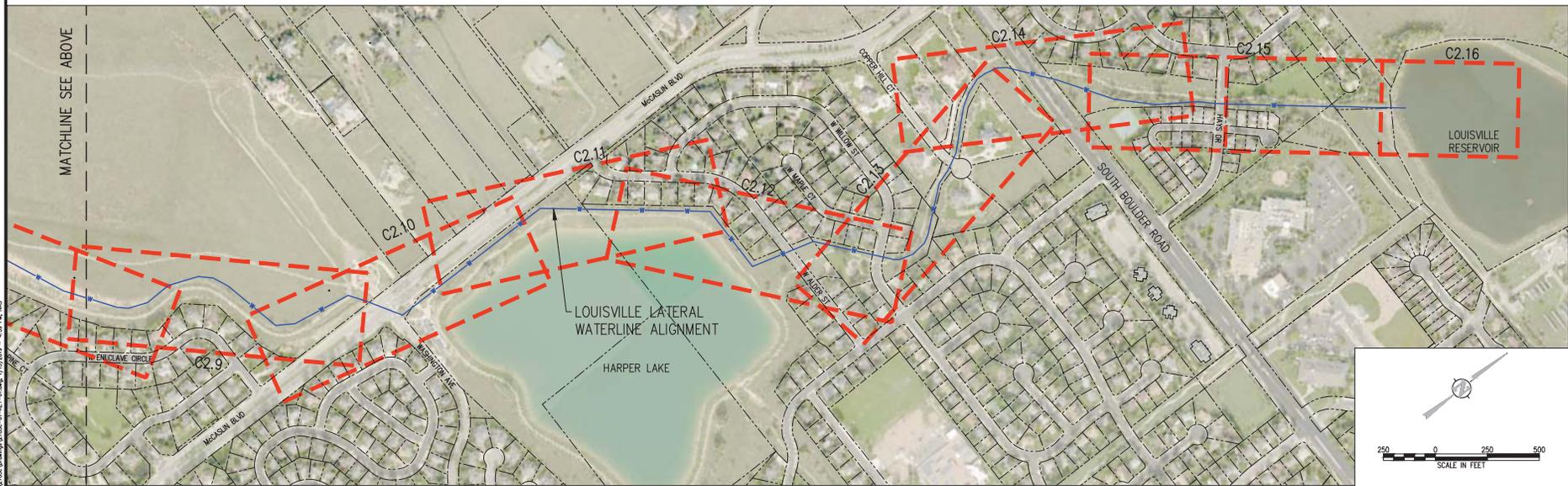
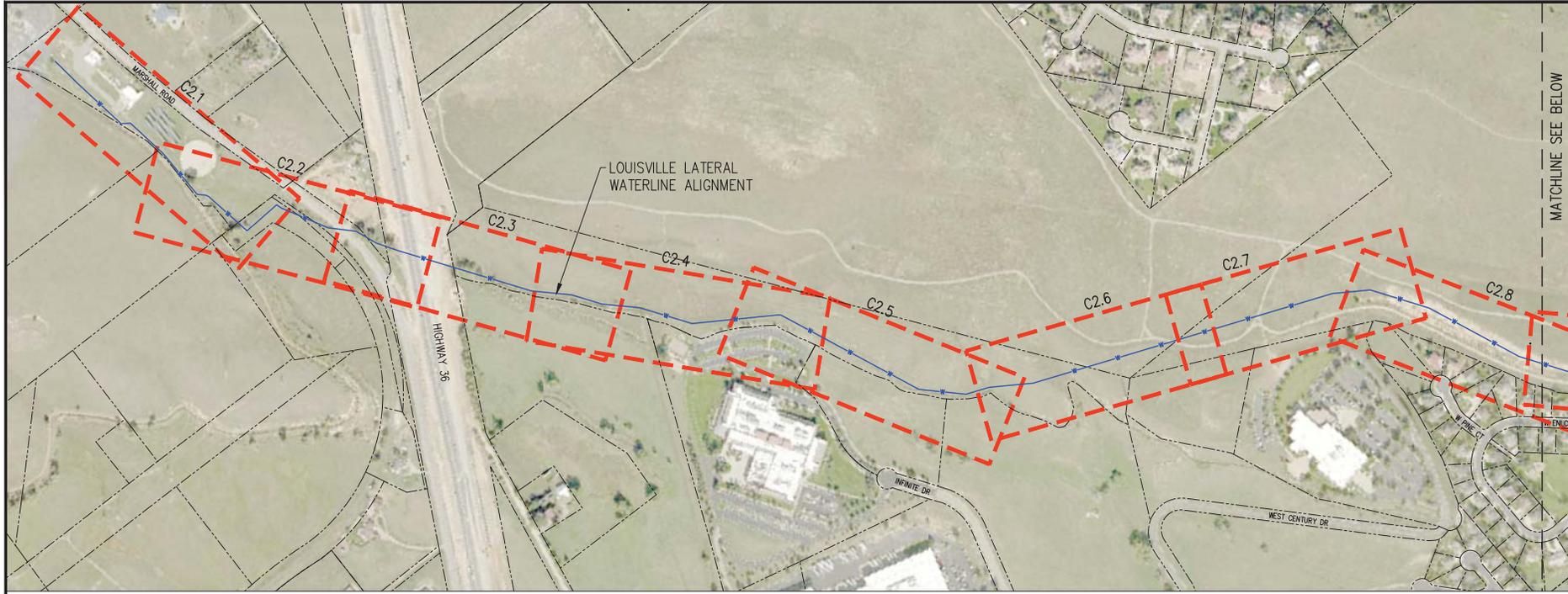
SHEET NO.	TITLE
CO.0	COVER SHEET
CO.1	GENERAL LEGEND, NOTES, AND ABBREVIATIONS
CE0.1	TYPICAL EROSION CONTROL PLAN
CE0.2	EROSION CONTROL DETAILS
CE0.3	EROSION CONTROL DETAILS
CE0.4	EROSION CONTROL DETAILS
CE0.5	EROSION CONTROL DETAILS
C2.0	PLAN AND PROFILE KEY MAP
C2.1	HBWTP PIPE REPLACEMENT ALTERNATE
C2.2	LOUISVILLE LATERAL PLAN AND PROFILE
C2.3	LOUISVILLE LATERAL PLAN AND PROFILE
C2.4	LOUISVILLE LATERAL PLAN AND PROFILE
C2.5	LOUISVILLE LATERAL PLAN AND PROFILE
C2.6	LOUISVILLE LATERAL PLAN AND PROFILE
C2.7	LOUISVILLE LATERAL PLAN AND PROFILE
C2.8	LOUISVILLE LATERAL PLAN AND PROFILE
C2.9	LOUISVILLE LATERAL PLAN AND PROFILE
C2.10	LOUISVILLE LATERAL PLAN AND PROFILE
C2.11	LOUISVILLE LATERAL PLAN AND PROFILE
C2.12	LOUISVILLE LATERAL PLAN AND PROFILE
C2.13	LOUISVILLE LATERAL PLAN AND PROFILE
C2.14	LOUISVILLE LATERAL PLAN AND PROFILE
C2.15	LOUISVILLE LATERAL PLAN AND PROFILE
C2.16	LOUISVILLE LATERAL PLAN AND PROFILE
C1.17	DIVERSION DETAILS
CD2.0	LATERAL DETAILS
CD2.1	LATERAL DETAILS



VICINITY MAP
NTS



PROJECT LOCATION MAP
NTS

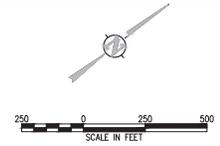


NO.	DATE	DISD	DOWN	REVISION DESCRIPTION

DESIGNED BY: CEC
 DRAWN BY: JGJ
 CHECKED BY: KAT
 JOB #: 2785c
 DATE: 1/4/2018

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LOUISVILLE LATERAL PIPING
 CITY OF LOUISVILLE
 PLAN AND PROFILE KEY MAP

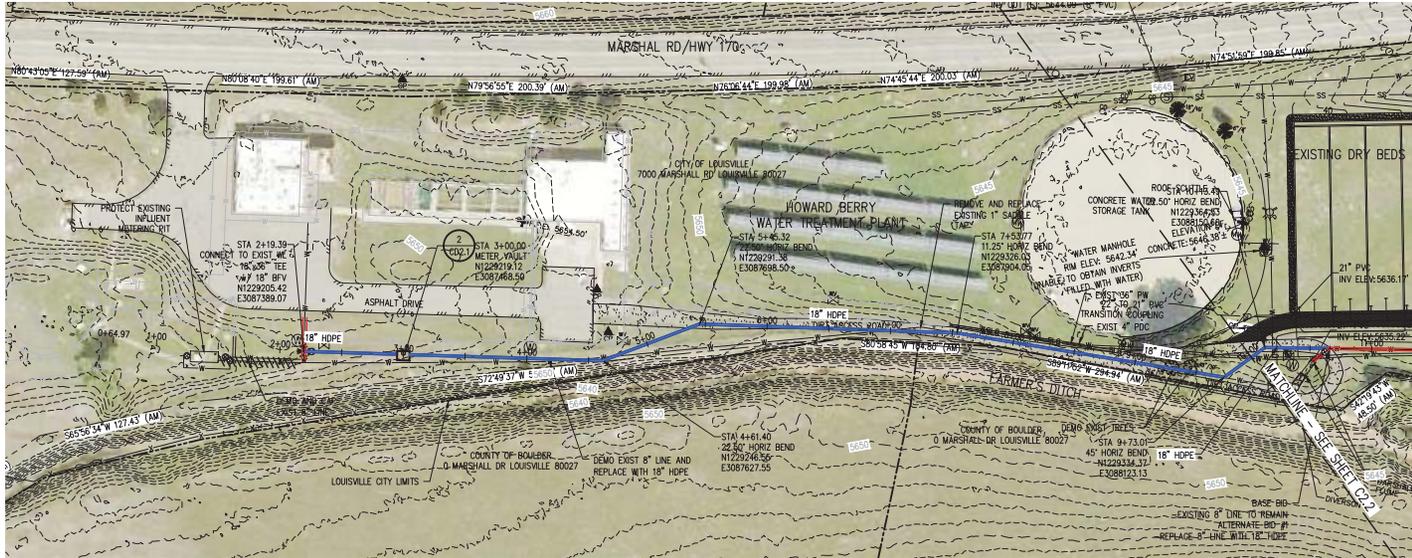


SHEET NO.
C2.0

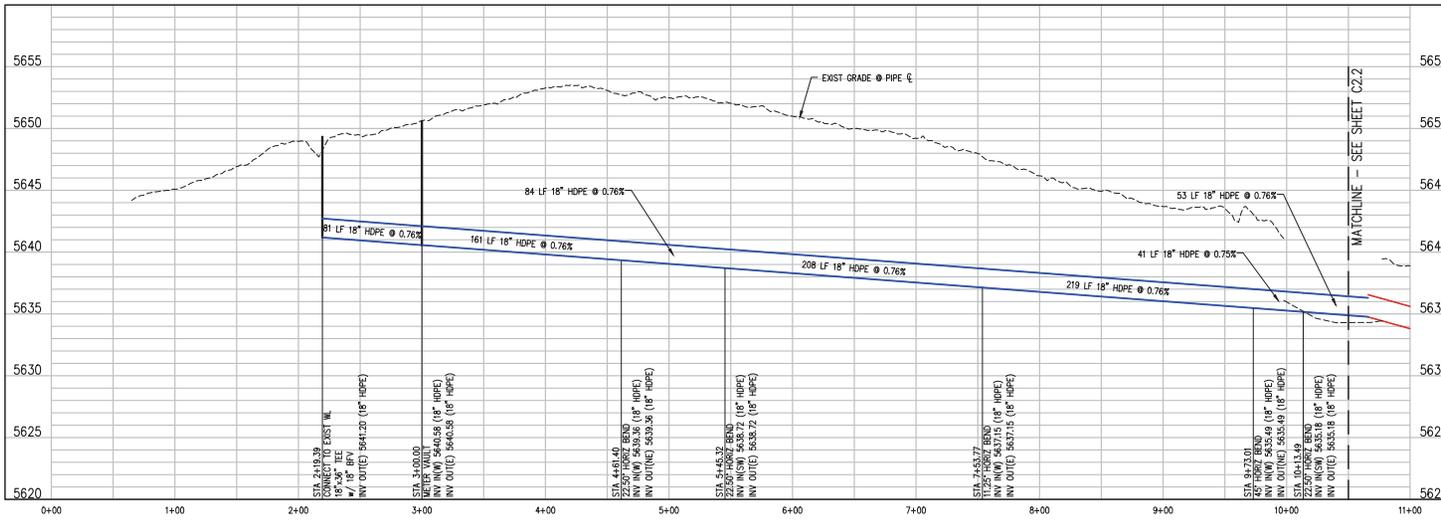
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LATERAL PLAN
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LATERAL PROFILE
 SCALE:
 1"=50' HORIZ
 1"=10' VERT



NO.	DATE	DISD	DOWN	REVISION DESCRIPTION

DESIGNED BY:	CEC
DRAWN BY:	JGJ
CHECKED BY:	KAT
JOB #:	2785c
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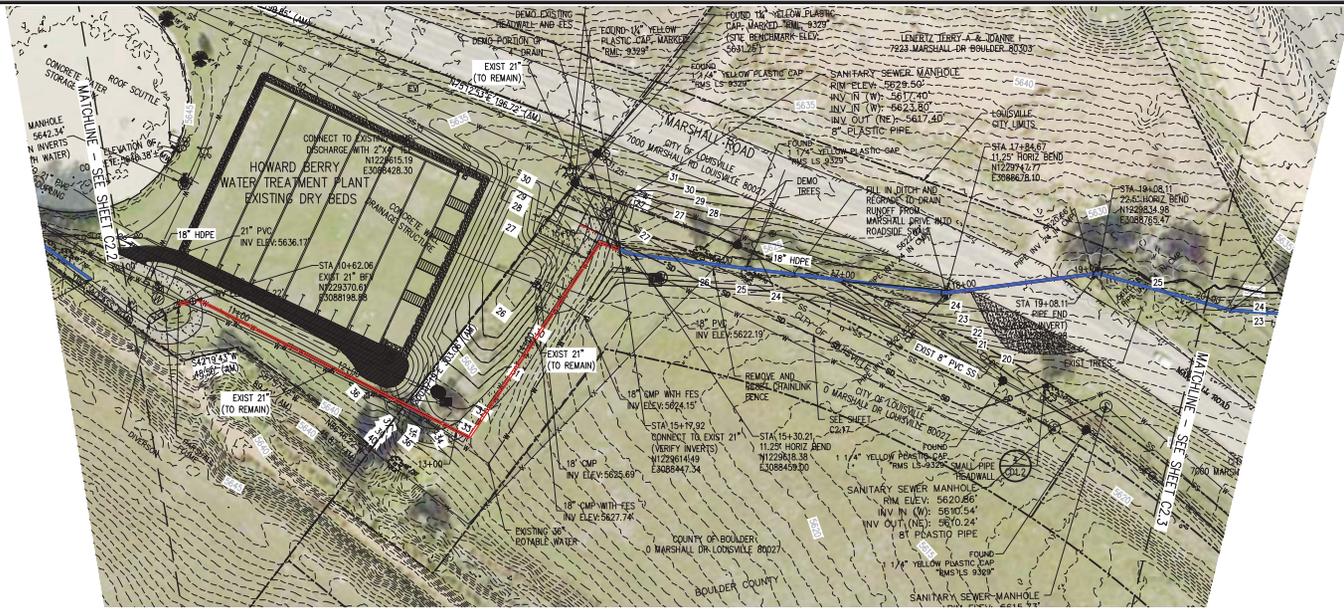
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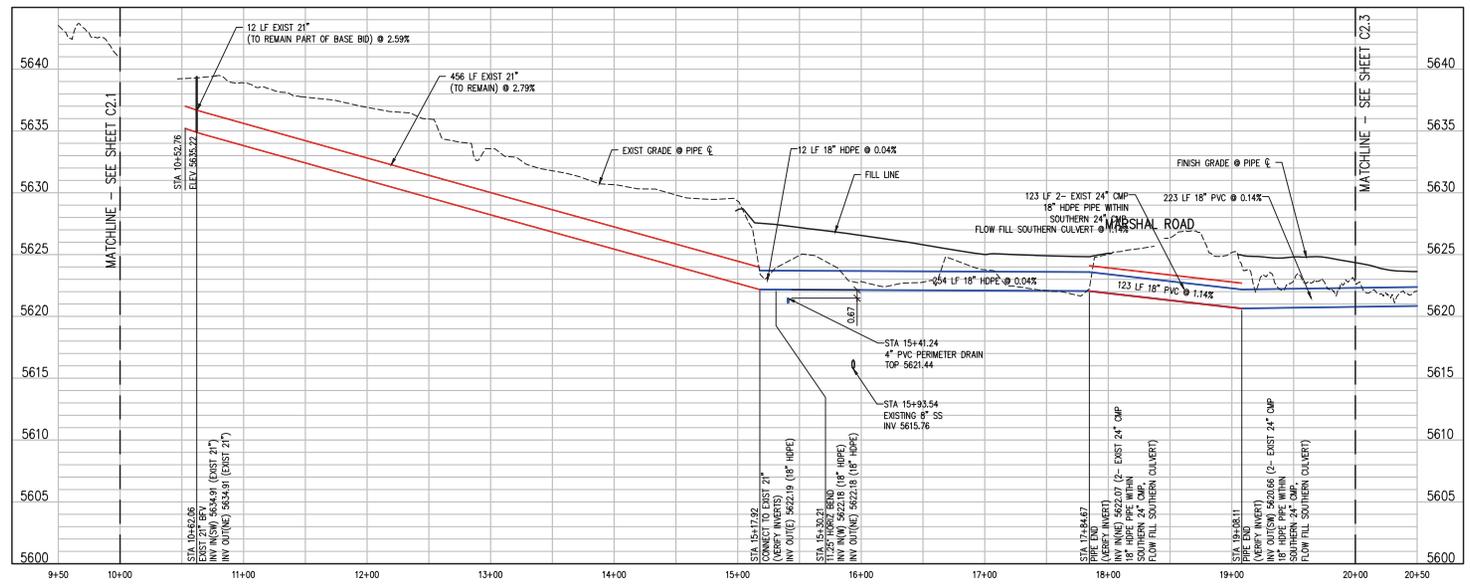
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LATERAL PLAN
 SCALE: 1"=50'



LATERAL PROFILE
 SCALE: 1"=50' HORIZ
 1"=5' VERT



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DESIGNED BY:	CEC
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CHECKED BY:	KAT
JOB #:	2785C
DATE:	1/4/2018

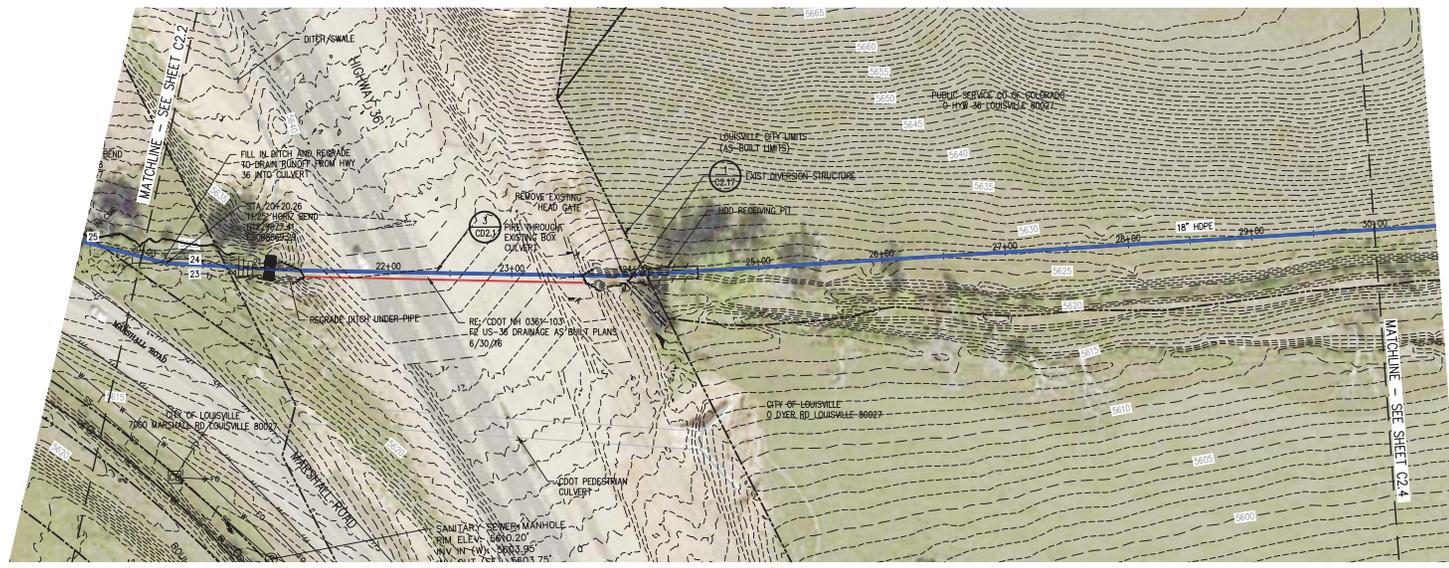
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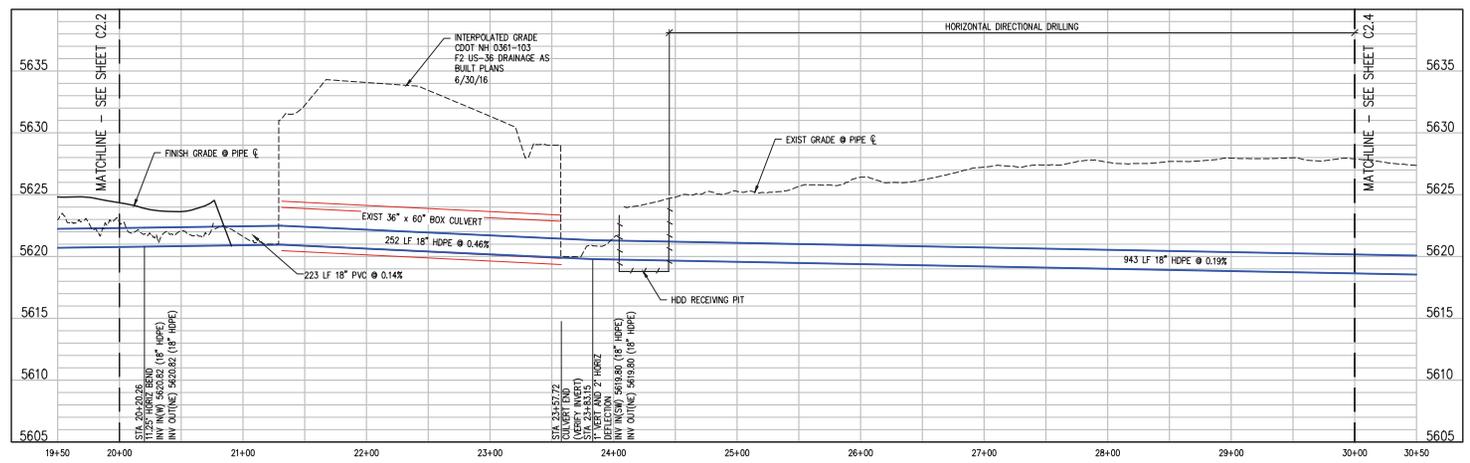
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C2.2

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LATERAL PLAN
SCALE: 1"=50'



LATERAL PROFILE
SCALE: 1"=50' HORIZ
1"=5' VERT



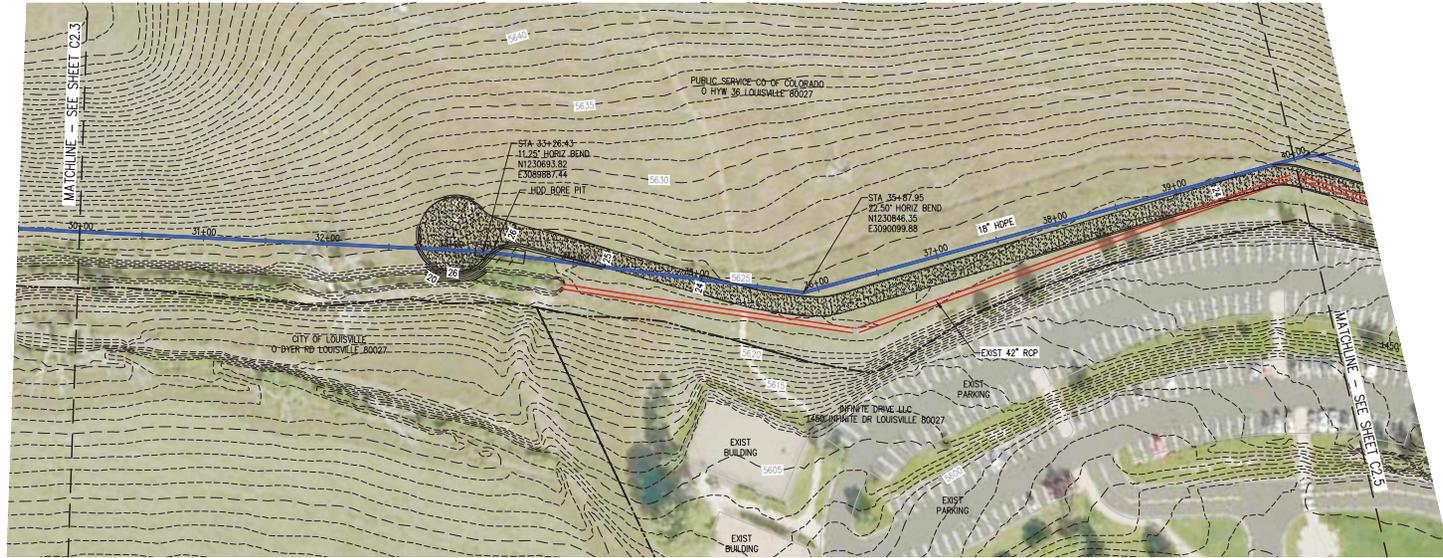
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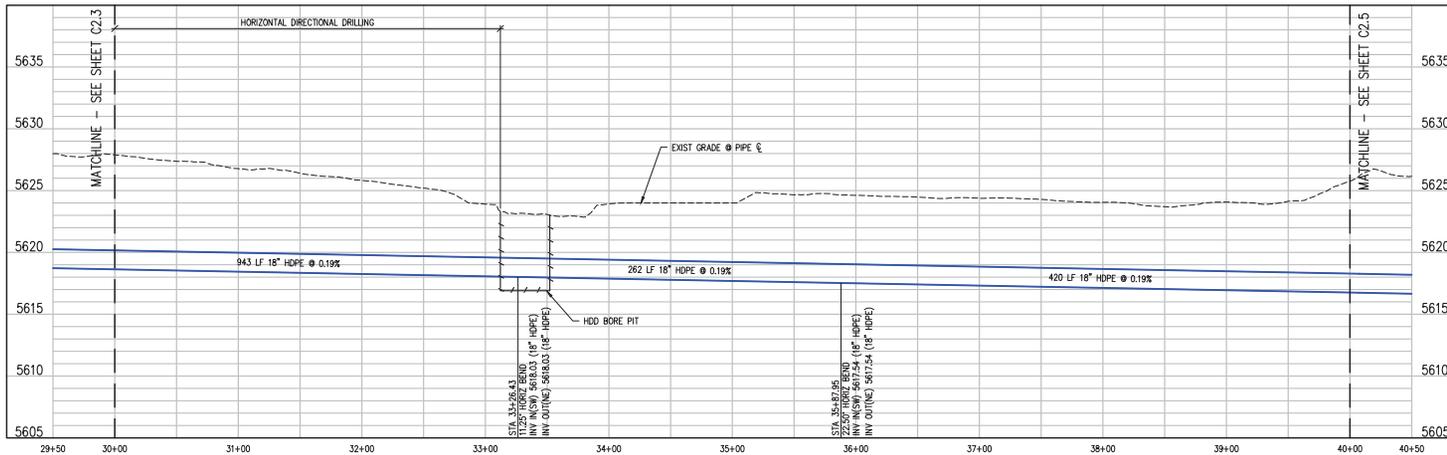
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C2.3

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LATERAL PLAN
 SCALE: 1"=50'



LATERAL PROFILE
 SCALE:
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 1"=10' VERT



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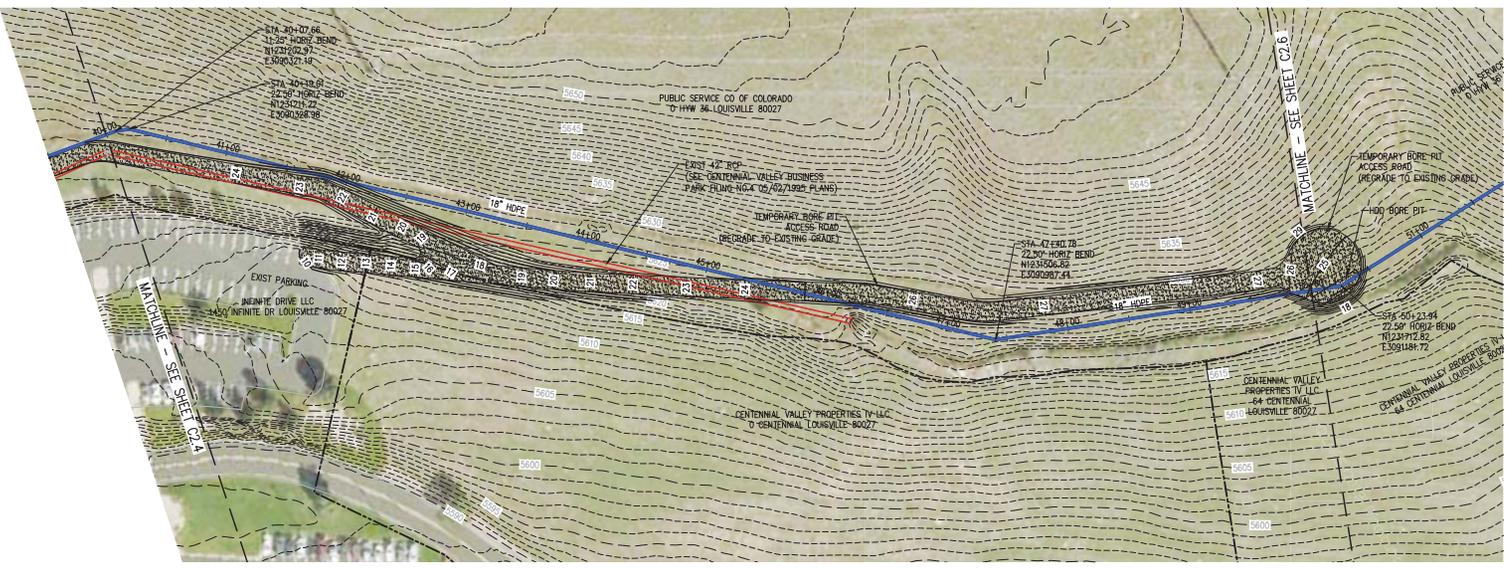
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C2.4

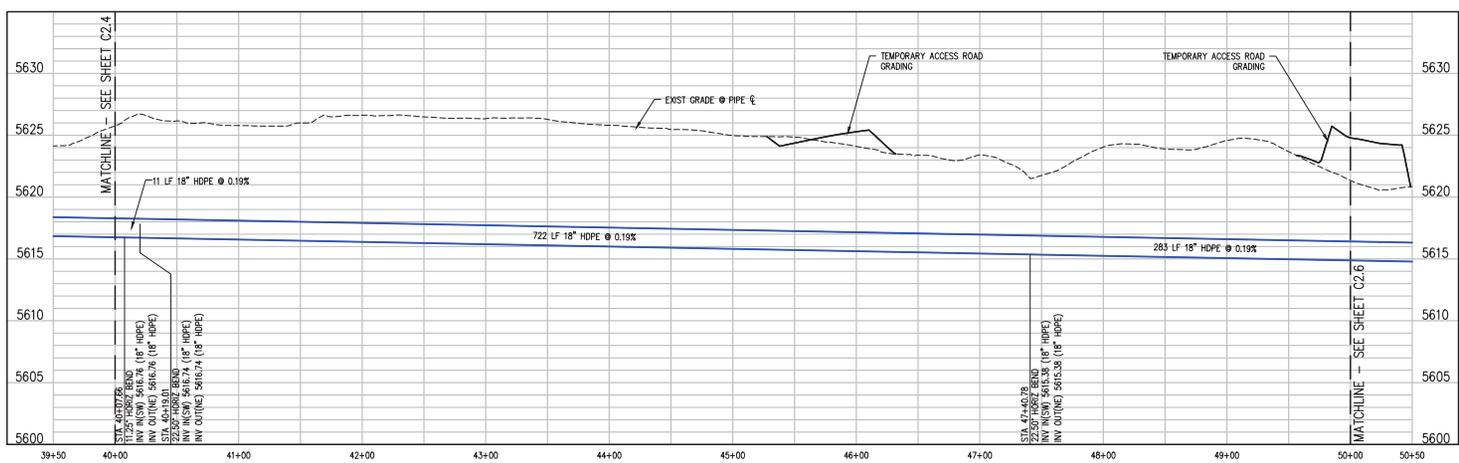
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LATERAL PLAN
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LATERAL PROFILE
 SCALE:
 1"=50' HORIZ
 1"=10' VERT



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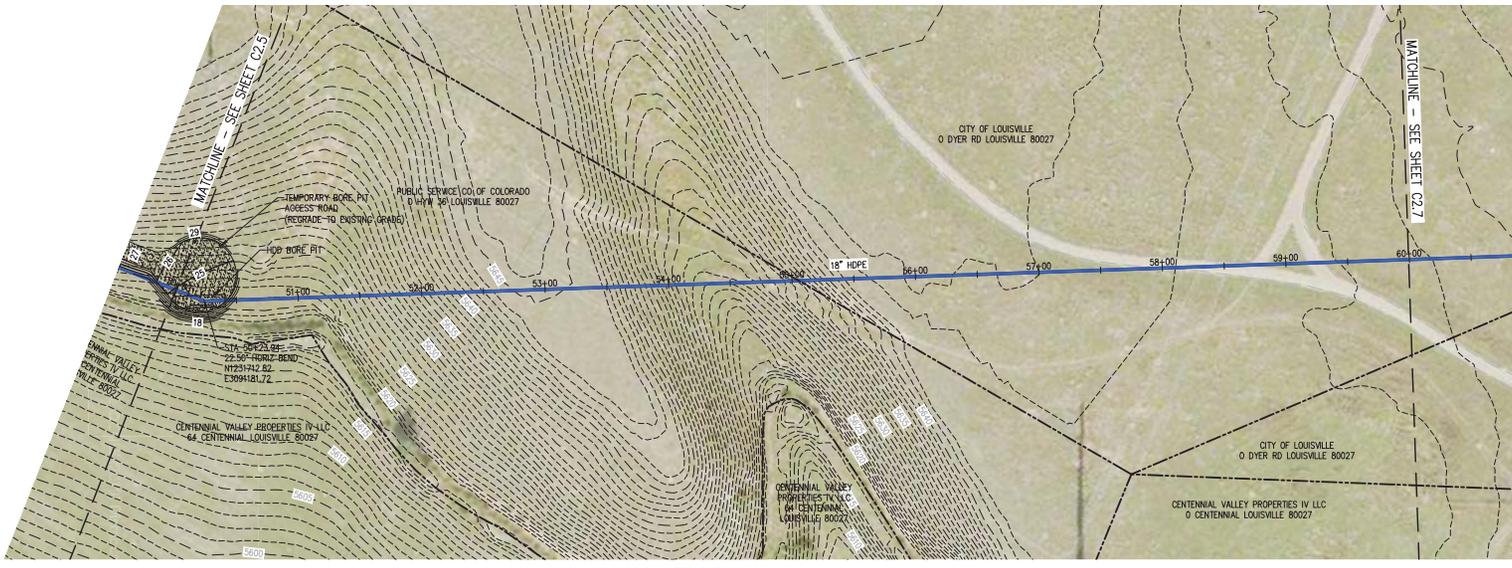
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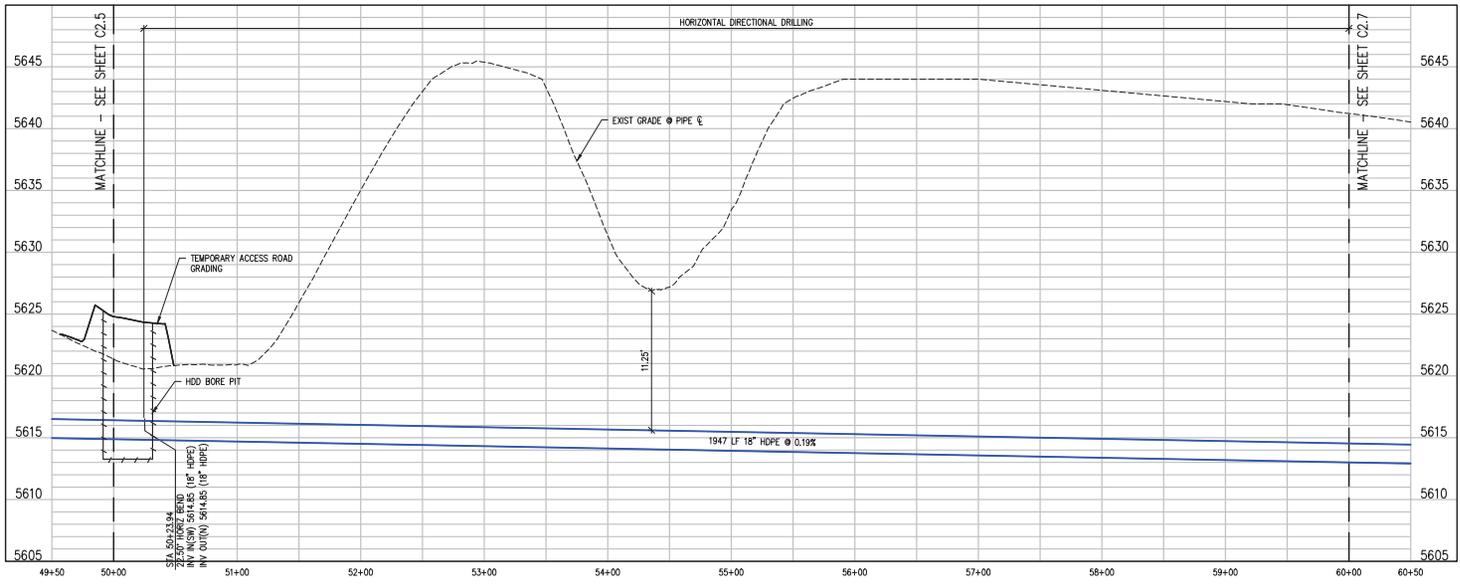
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SHEET NO.
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LATERAL PLAN
SCALE: 1"=50'



LATERAL PROFILE
SCALE:
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1"=10' VERT

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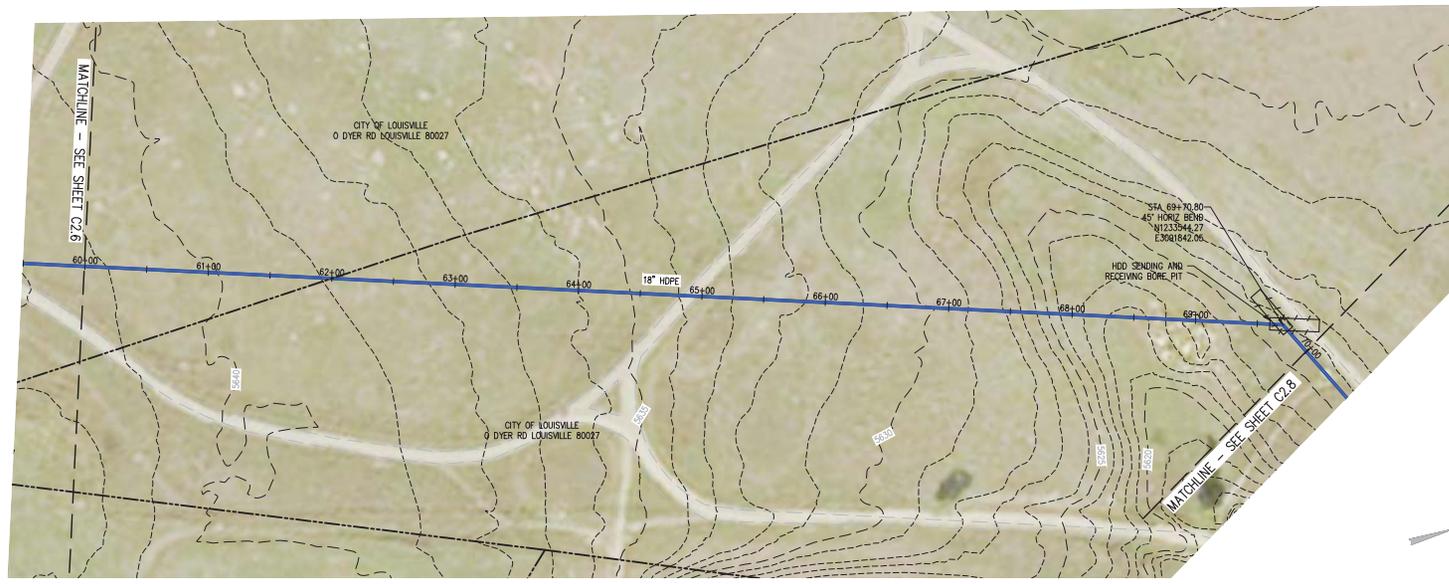
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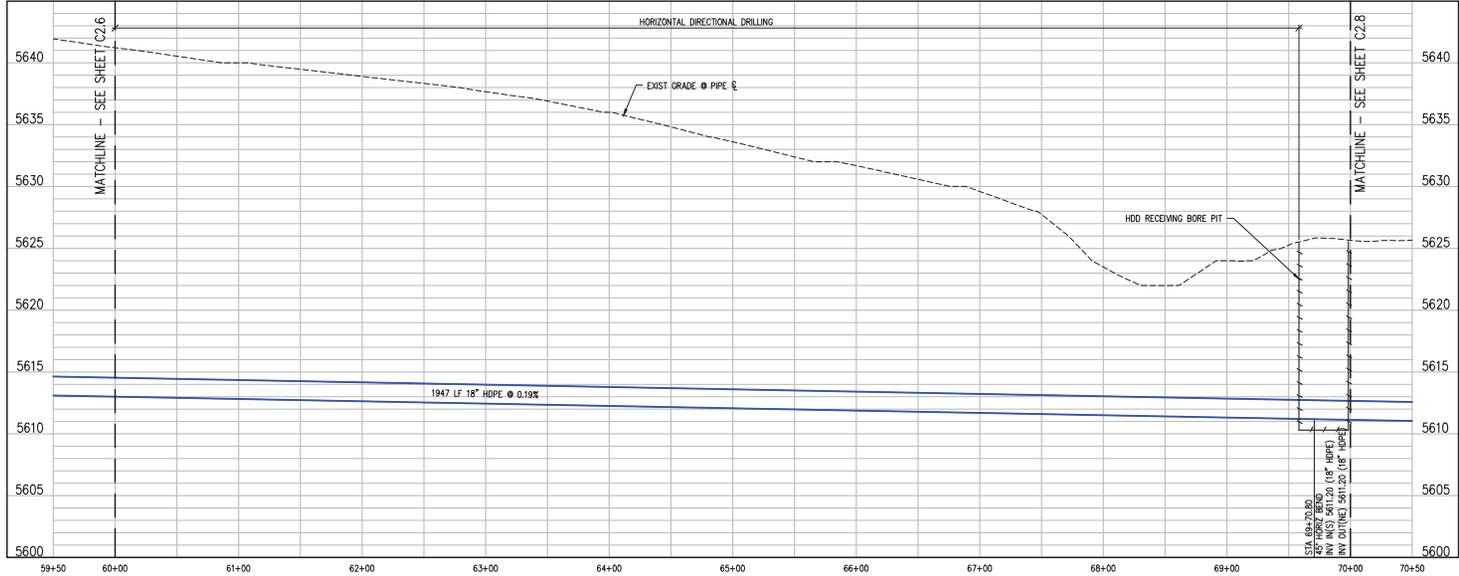
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LATERAL PLAN
SCALE: 1"=50'



LATERAL PROFILE
SCALE:
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1"=10' VERT



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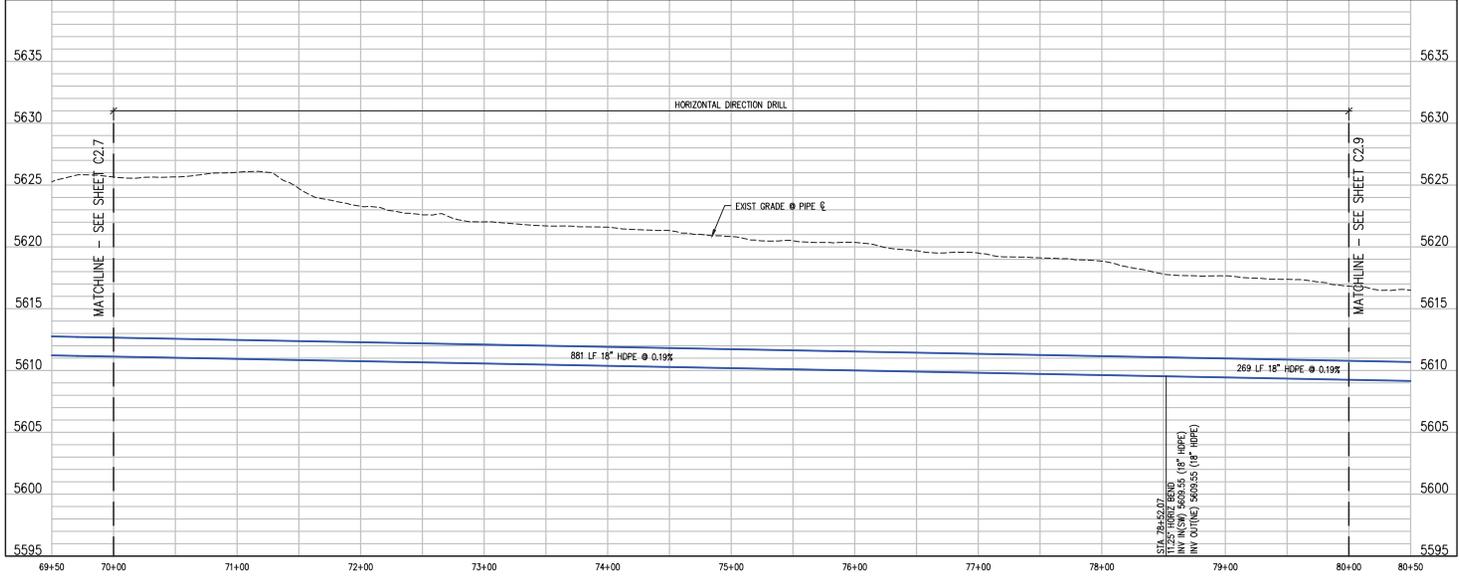
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 SCALE: 1"=50'



LATERAL PROFILE
 SCALE:
 1"=50' HORIZ
 1"=10' VERT



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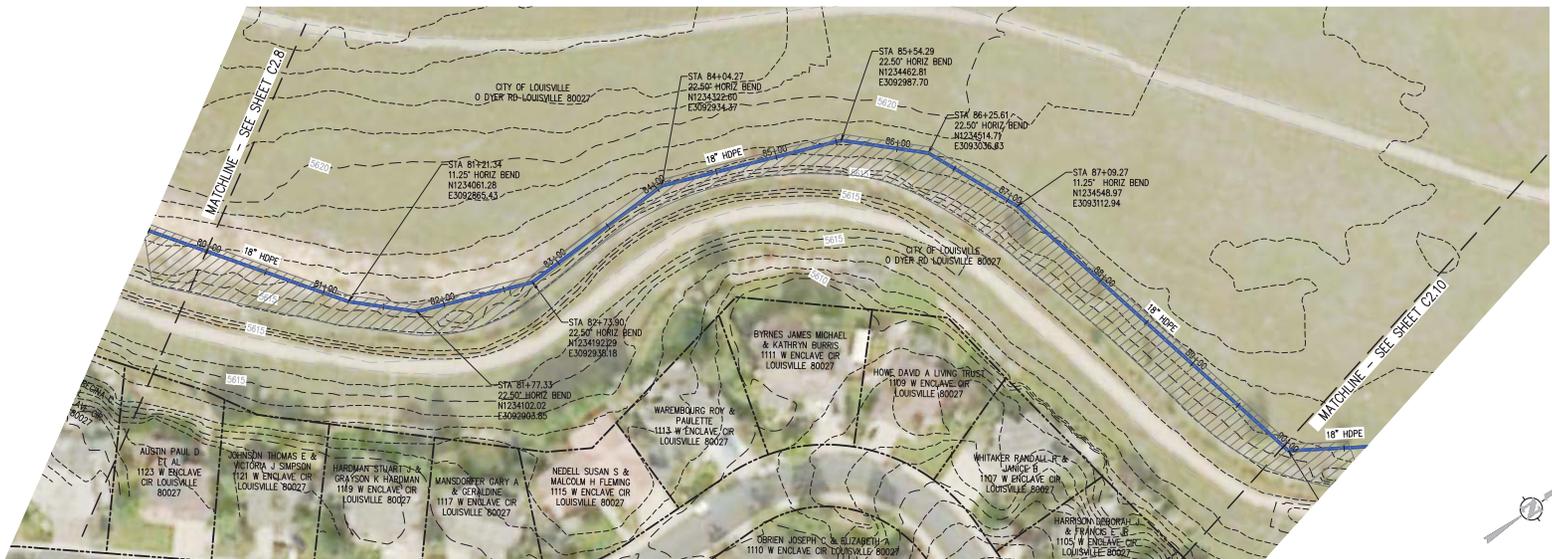
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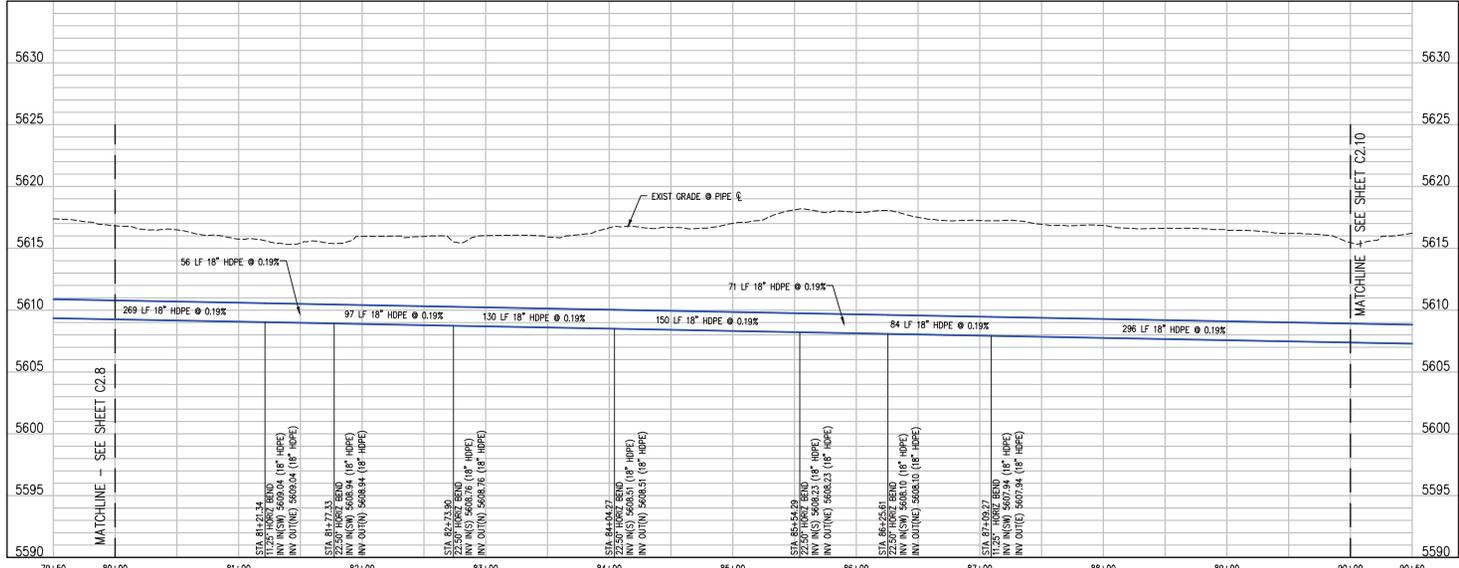


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Bradley W. Hill, Engineer in Charge
 David H. George, A. Designer



LATERAL PLAN
 SCALE: 1"=50'



LATERAL PROFILE
 SCALE:
 1"=50' HORIZ
 1"=10' VERT



NO.	DATE	DISD	DOWN	REVISION DESCRIPTION

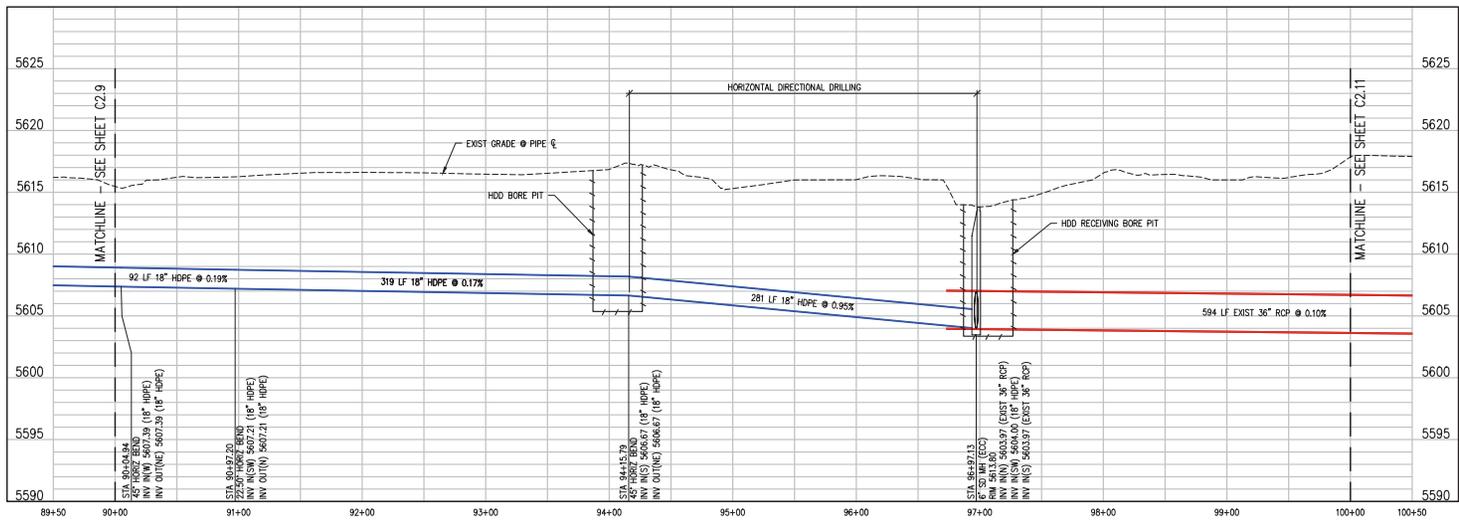
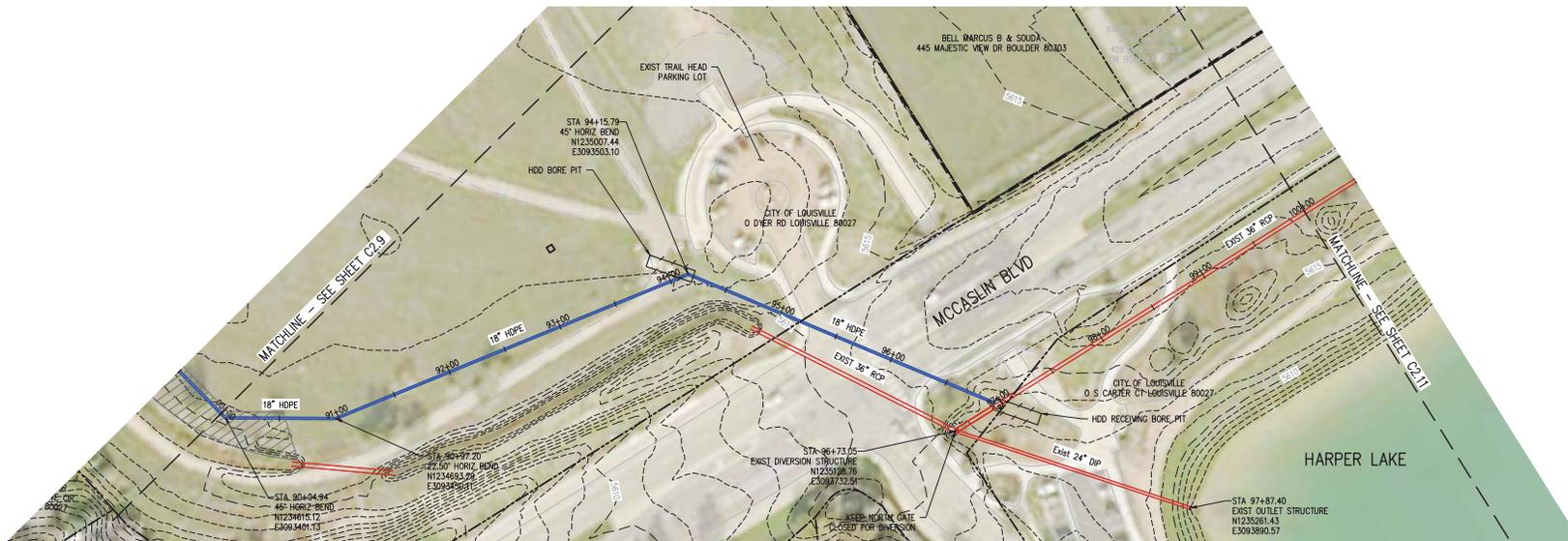
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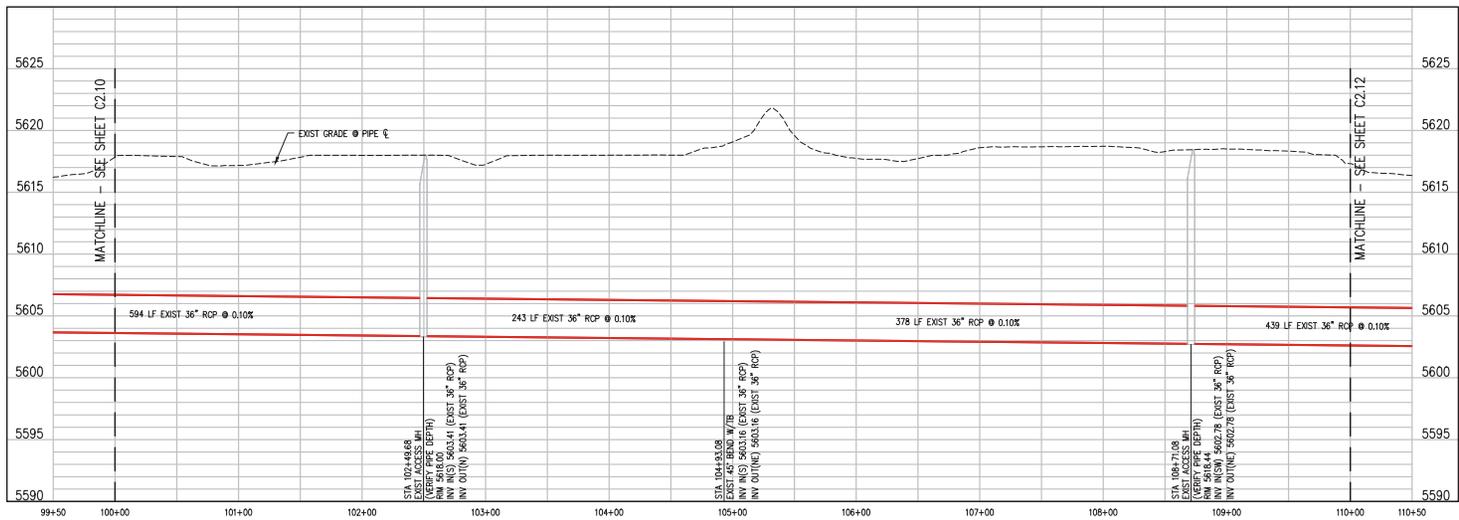
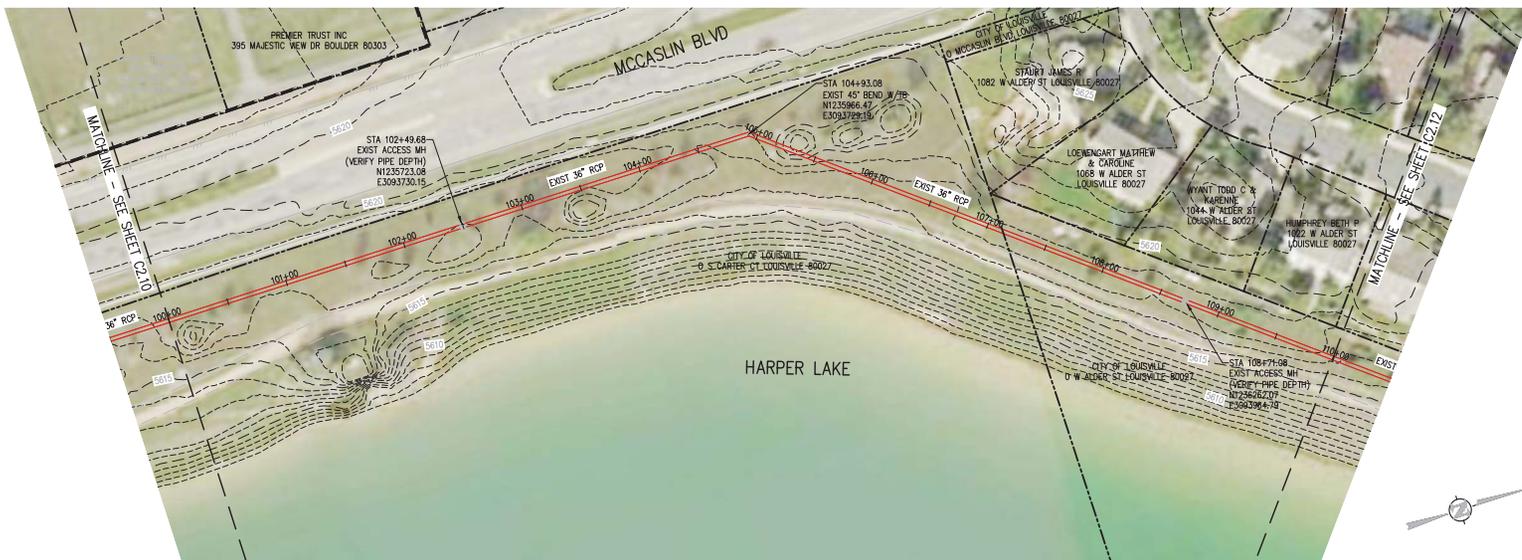
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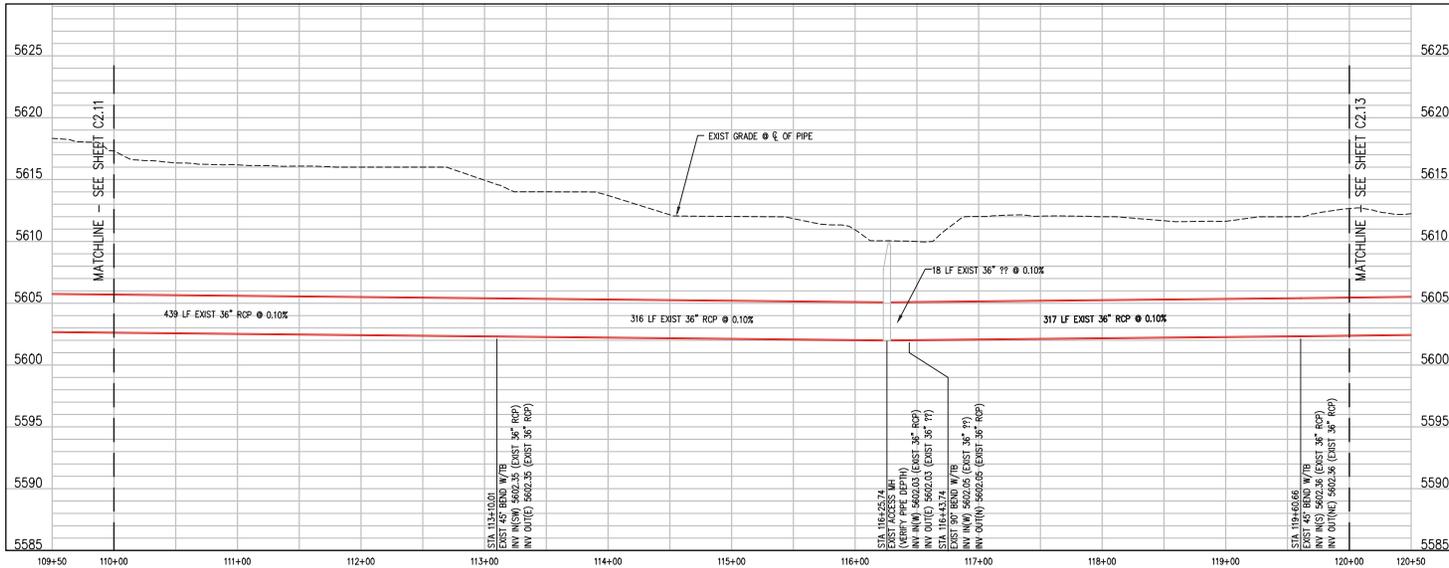
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C2.11

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LATERAL LINE PLAN
SCALE: 1"=50'



LATERAL LINE PROFILE
SCALE:
1"=50' HORIZ
1"=5' VERT



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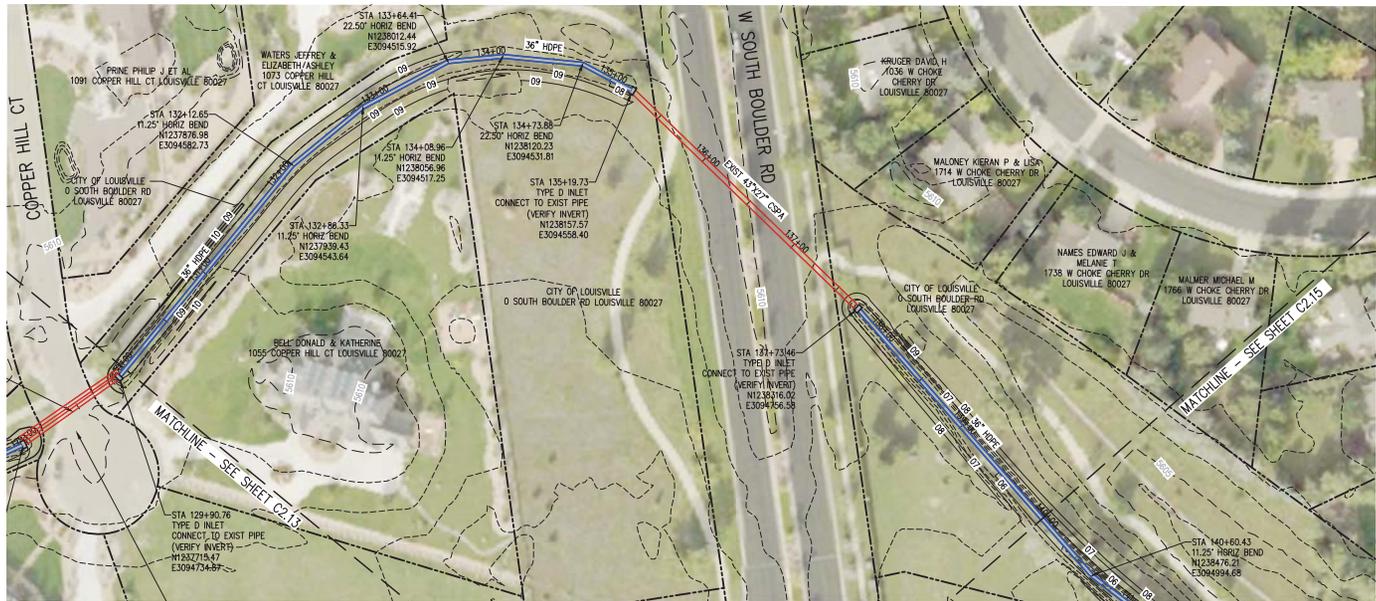
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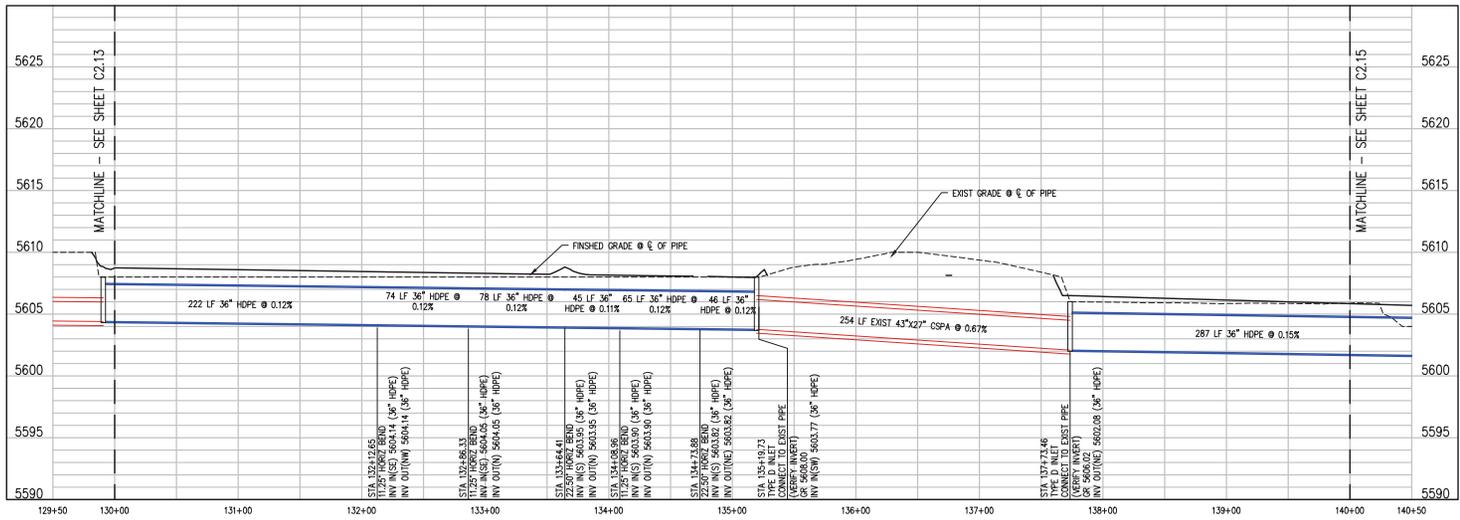
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C2.14



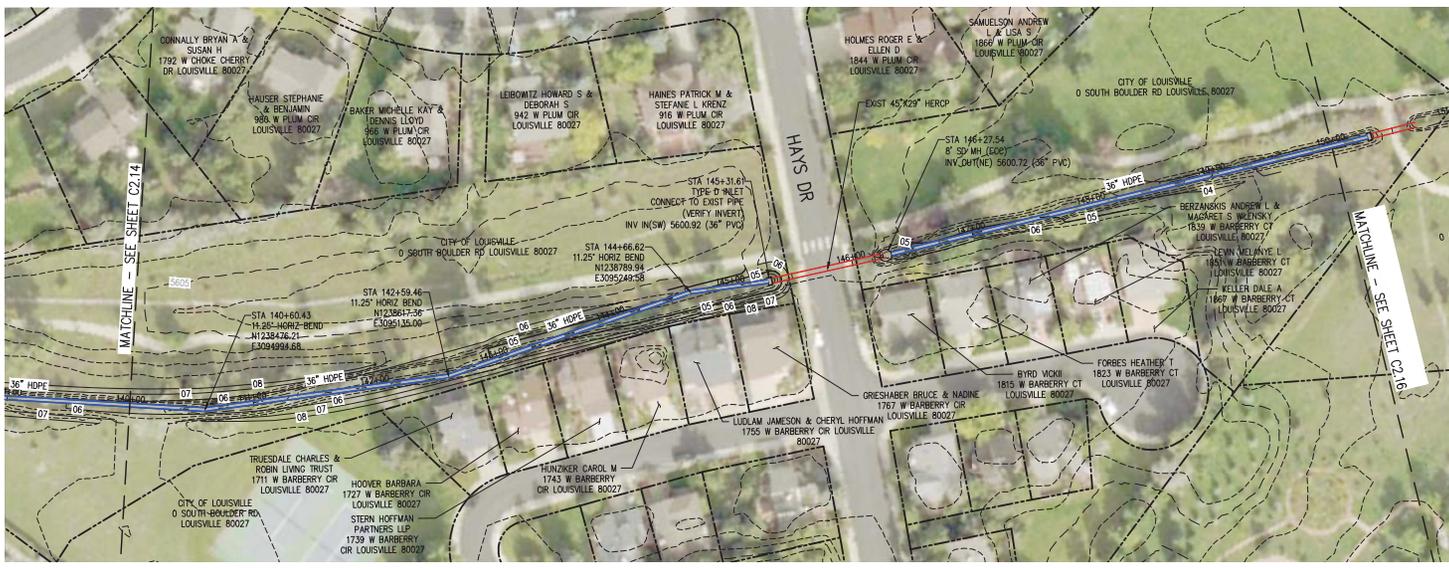
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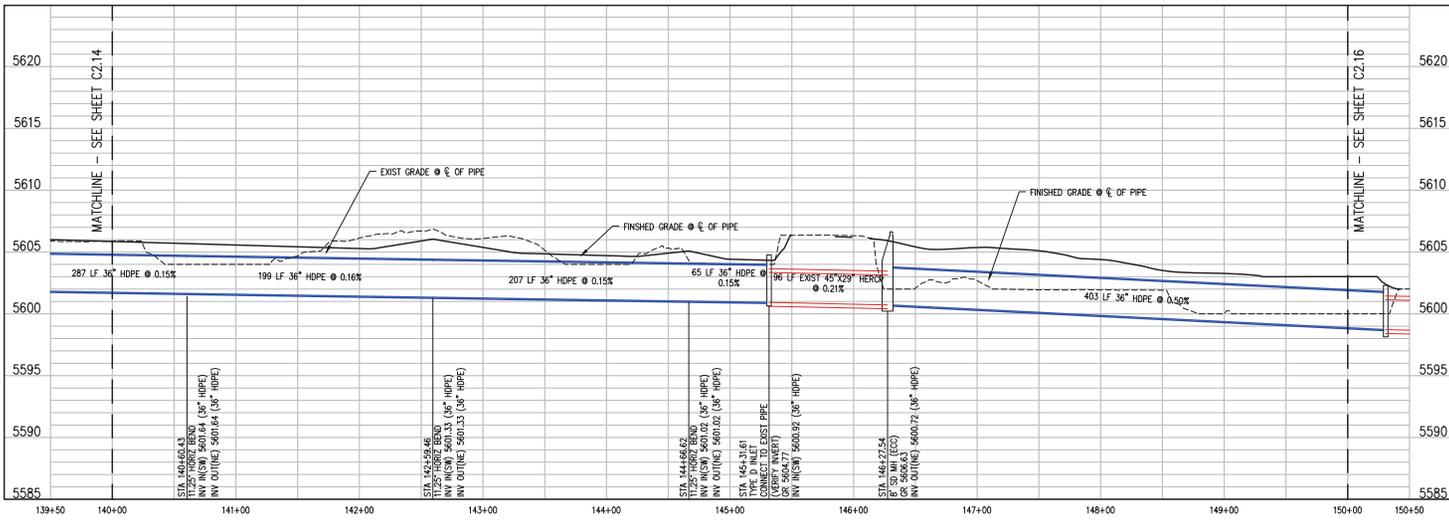
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SCALE: 1"=50'



LATERAL LINE PROFILE
SCALE:
1"=50' HORIZ
1"=5' VERT



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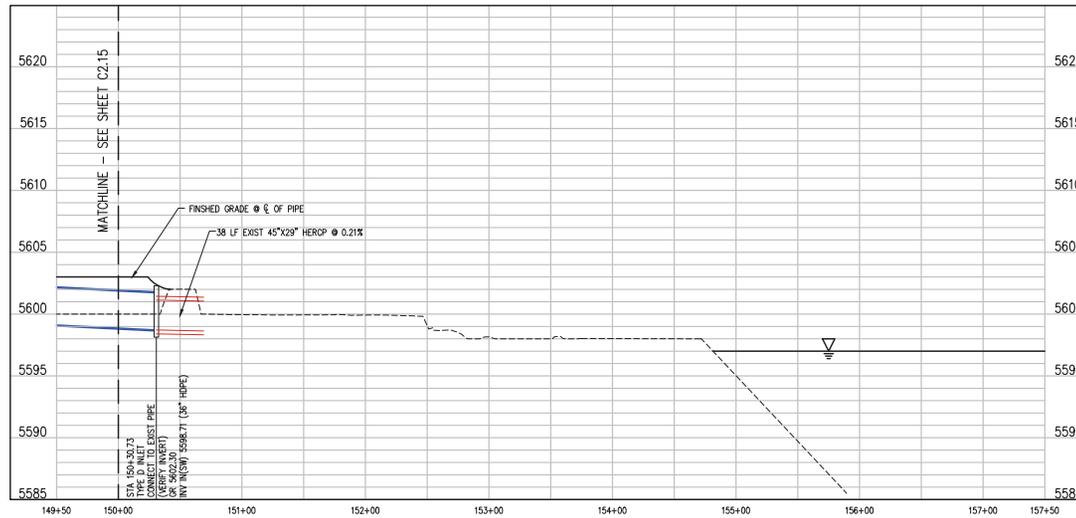
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SHEET NO.
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LATERAL LINE PROFILE
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SHEET NO.

C2.16







Memorandum

To: Open Space Advisory Board

From: Aubrey Hilde, Ranger Naturalist
Cody Thompson, Ranger Naturalist

Date: February 13, 2019

Re: Discussion Item 11. Update and Lessons Learned from the Encroachment Campaign

Purpose:

The purpose of this discussion item is to review the Encroachment Campaign implemented in 2018, discuss the methods used, improvements made, results, and next steps.

Background:

On August 1st, 2018, the Parks, Recreation, and Open Space Department initiated a City-wide campaign addressing residents encroaching onto City-owned Open Space and Park Lands and offered these citizens the opportunity to work with the City to remedy their violations and restore the land that had been damaged. A total of 216 residences were contacted by Rangers and, as of January 6th, 2019, 99% of residents contacted were working with the City to complete restorative actions or had already completed them. For the few cases that remain open, five (5) will result in Revocable License Agreements between the residents and the City of Louisville, three (3) may be issued a Court Summons, and seven (7) cases given extensions to spring of 2019 in order to allow appropriate time to resolve case details and allow for favorable weather conditions to complete the restorative actions required.

Citizen Communication:

Multiple methods of communication were implemented by staff before and during the campaign to inform citizens of the issue and the City's intent to contact those in violation:

1. Education flyer sent out in January 2018 water bill
2. Education flyer posted on the City Website in February 2018
3. Community Newsletter Update in March 2018
4. Notification in the May- August Rec Center Catalogue released in April 2018
5. Daily Camera Article published in August 2018

Resident Notification:

Monitoring and mapping of encroachments began on May 28th, 2018. Following these efforts, letters were mailed to residents via certified mail which outlined: the City's Municipal Code ordinance related to encroachment, the residents' resulting violation(s), a deadline for the

resolution of their violation with a possible legal penalty if not completed, any resources the City would provide to the resident(s), and how to contact the Ranger Naturalists for assistance and questions.

1. Ward 1 letters were sent out on August 1st, 2018
2. Ward 2 letters out on August 17th, 2018
3. Ward 3 Letters were sent out on September 27th, 2018

Some letters were delivered on alternative dates due to mailing errors (unable to forward, incorrect address, never signed for and/or picked up from post office). For these cases, Rangers investigated the error and re-issued residents a new letter with a new resolution date either by certified mail or by delivering the letter by hand.

City Official Communication:

The City Manager and City Council received regular updates informing them of the status and metrics regarding the encroachment campaign. Additionally, officials were notified when letters were sent to each ward and were encouraged to forward any citizen communication to Rangers but were also provided FAQs to provide to citizens with inquiries if they wished to address citizens personally.

Improvements to Communication:

The most frequent reason Rangers were contacted was to obtain more information on the campaign and to clarify what citizens' specific encroachment violation(s) were. In addition to this, it was often communicated by citizens that the letters were abrasive. In order to address these concerns, the following changes were made during the campaign:

1. First Letter Revision (following Ward 1): The education flyer and an FAQ were sent with Ward 2 letters in attempt to provide more information to citizens, anticipate questions, and improve the efficiency of the Citizen Notification process.
2. Compliance Letter: To align with the "small town" spirit of Louisville, a letter was sent out to all citizens who had complied with the requests of the City thanking them for working with the City to protect Open Space and Parks for current and future generations.
3. Second Letter Revision (following Ward 2): Rather than a form letter, which had been the previous strategy, specific details pertaining to each individual case were listed in the Ward 3 letters in attempt to provide more information to citizens, anticipate questions, and improve the efficiency of the Resident Notification process.

All of the above changes improved citizen reception of the campaign and staff recommends their implementation in any future campaigns.

Campaign Challenges:

Inherited Encroachment: Homeowners who moved into a property with a preexisting encroachment installed by the previous owners.

Solution: If the encroachment in question was found to have existed before the current homeowner, the new homeowner(s) were not required to remove it; Resource staff will

complete the work when there is adequate staff time. Some homeowners volunteered to do the work even though it was inherited.

1. **Property Lines:** Some homeowners claimed their property boundaries were not consistent with their fence line and requested further proof of an encroachment violation.

Solution: Rangers visited the property and measured with an Improvement Location Certificate from the Planning Department's records to determine the property line with the homeowner(s) present. The few cases confirming measurements consistent with the homeowners' claims resulted in the case being dropped.

2. **Community Encroachment:** Multiple parties lawfully accessing the homeowner's property and contributing to an encroachment (i.e. Social trails).

Solution: Temporary signs were created and positioned stating the area was undergoing a reseeding project and must not be used; a seed mix was then deposited by the current homeowner.

Next Steps:

This was the City's first ever attempt at a campaign of this nature and, with the support of City Officials, volunteers, and staff, we were able to critique and improve the process throughout the duration of the project. Through this campaign, the Louisville Open Space and Parks Divisions had the opportunity to speak with citizens about their concerns, take note of problem areas on City-Owned Public Land, recruit new volunteers for future restoration projects and events, and make connections with our neighbors throughout the City.

Now that encroachment has been addressed throughout the Open Space and Parks system, next steps include:

1. **Field Clean-up/Restoration and Campaign Organization:** As a result of the campaign, some damaged areas will require more attention and future action from staff to appropriately restore Open Space and Park Land. In the coming year, Resource Staff will take the lead reviewing encroachment sites to monitoring reseeded areas for growth success, assess and improve drainage issues, identify and perform weed control, and complete larger restoration projects involving inherited encroachment removals and structural/landscape issues. Staff will consult documents detailing the locations and specifics of these affected areas so progress can be tracked and completed.

Staff is currently in the process of reviewing and consolidating all campaign files for process accuracy and simplicity of access/review in the future.

2. **Continuous Monitoring and Patrol:** Rangers will address and resolve new cases as soon as they are identified. Singular cases will be approached in a "small town" manner with "knock and talks" as the primary form of notification. Written notification will only be utilized if the citizens can't be reached after a reasonable number of attempts. Through these efforts, staff hopes to mitigate the need for future City-wide encroachment campaigns. However, if a future campaign is necessary, OSAB will be involved in

reviewing and making recommendations regarding the campaigns approach, timeline, and citizen outreach materials.

2018 ENCROACHMENT CAMPAIGN

CITY OF LOUISVILLE OPEN SPACE DIVISION



ENCROACHMENT



- Encroach into any open space property with any private improvements, including but not limited to gardens, landscaping, fences, paths or compost piles, or store any personal property on open space;
- Dig, remove, destroy, injure, mutilate, collect, deface, pollute, or cut any natural or cultural resource or any portion thereof, including but not limited to trees, grass, soil, and rock. The building or maintaining of private paths or paths not authorized by the city (including but not limited to paths consisting of rock, flagstone, or mowed or cut grass or plants) on open space is prohibited. City employees acting in the performance of their duties, and persons participating in city-sponsored activities, are exempt from this subsection

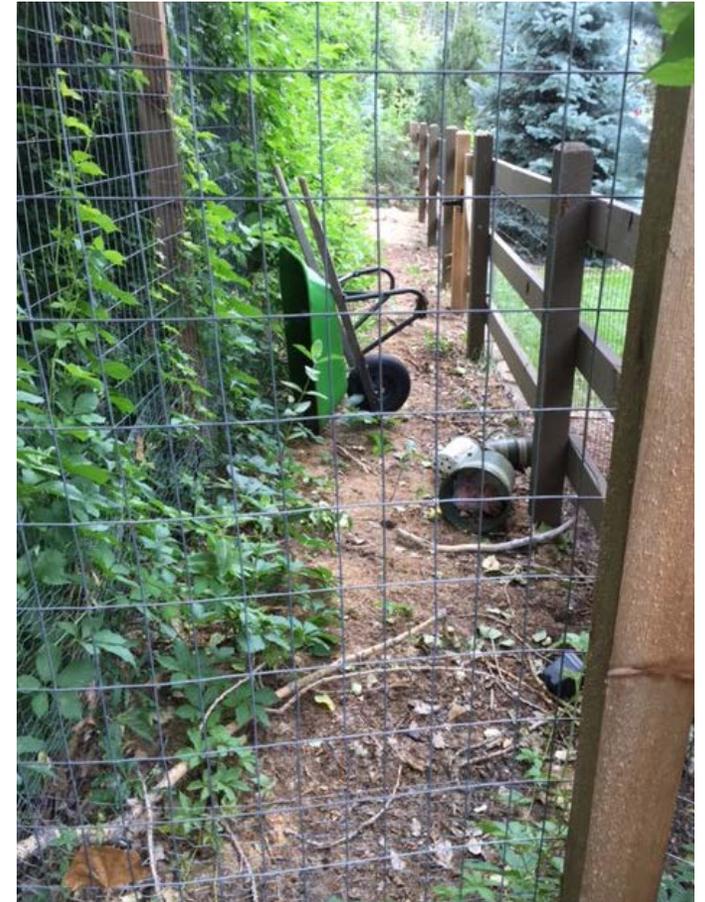
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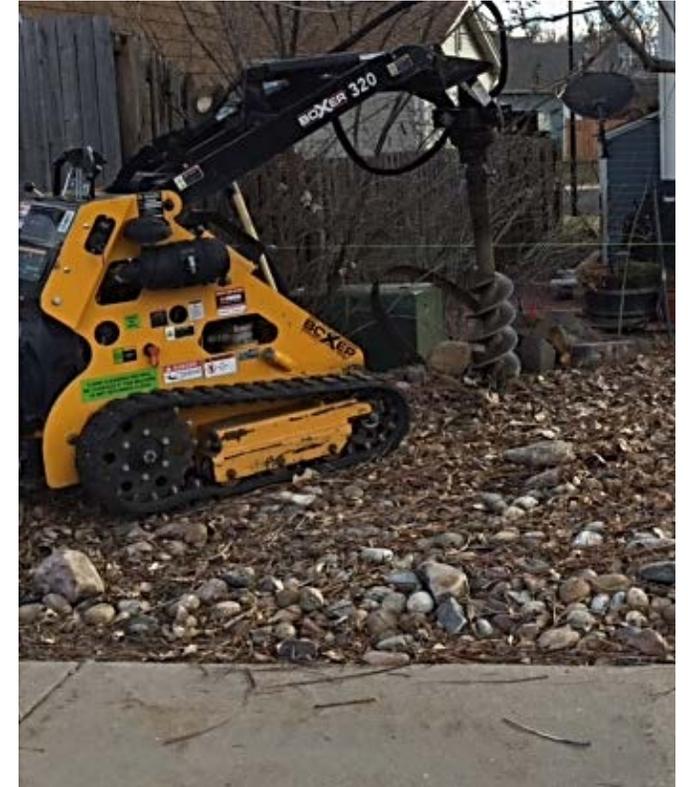
TYPES: MOWING



TYPES: *LANDSCAPING*



TYPES: RESOURCE DAMAGE



TYPES: *STORING*



QUICK STATISTICS



Encroachment Type	Total Contacts
Dumping	41
Mowing	36
Resource Damage	93
Storing	46
TOTAL	216
Alternative Response	Anticipated Amount
Revocable License	5
Extension (Spring 2019)	7
Summons (Anticipated)	< 3

Top Reasons for Contact

1. Resource Damage (43%)
2. Storing (21%)



Currently at 99% Compliance

COMMUNICATION: CITIZENS



- January 2018: Water Bill
- February 2018: City Website
- March 2018: Community Newsletter Update
- April 2018: Rec Center Catalogue (May-August)
- August 2018: Daily Camera Article

BE A GOOD NEIGHBOR!
Help preserve Louisville's Parks and Open Space

DO NOT	WHY	
	<p>Landscape on City owned property This includes planting gardens or unauthorized trees along your private fence line</p>	<p>City Parks and Open Space are managed by the City for a specific purpose. Personal landscaping can impede landscape management plans or introduce weeds that choke out native species and spread to your yard!</p>
	<p>Create paths from your private gate to City trails by mowing, placing stepping stones or repeated use Please use City property access points and trails instead of creating your own</p>	<p>Repeated off trail use tramples vegetation and damages land by discouraging future growth of grasses. Additionally, you create potential muddy spots and invite strangers to follow a trail up to your private residence!</p>
	<p>Deposit personal lawn or tree trimmings on City owned property</p>	<p>A build up of lawn debris creates additional habitat for mice and other rodents. It is the homeowners responsibility to dispose of their lawn waste in private compost bins. Branches can be deposited at the City Branch Site which is open the 1st weekend of every month.</p>
	<p>Store personal belongings on City owned property This includes bikes, kayaks, lawn furniture, etc.</p>	<p>To avoid damage to public lands or loss of your personal property, things of value should be stored in a secure location on your private property.</p>

Not sure where your property line is? Visit <http://maps.boco.solutions/propertysearch/>
Have Question? Email encroachment@louisvilleco.gov

DID YOU KNOW?

In August, the City will be issuing letters to citizens found to be in violation of the City Municipal Code. If you receive a letter, and have questions regarding how to comply please call or email the Ranger Naturalists at 303.335.4770 or at Encroachment@LouisvilleCO.gov

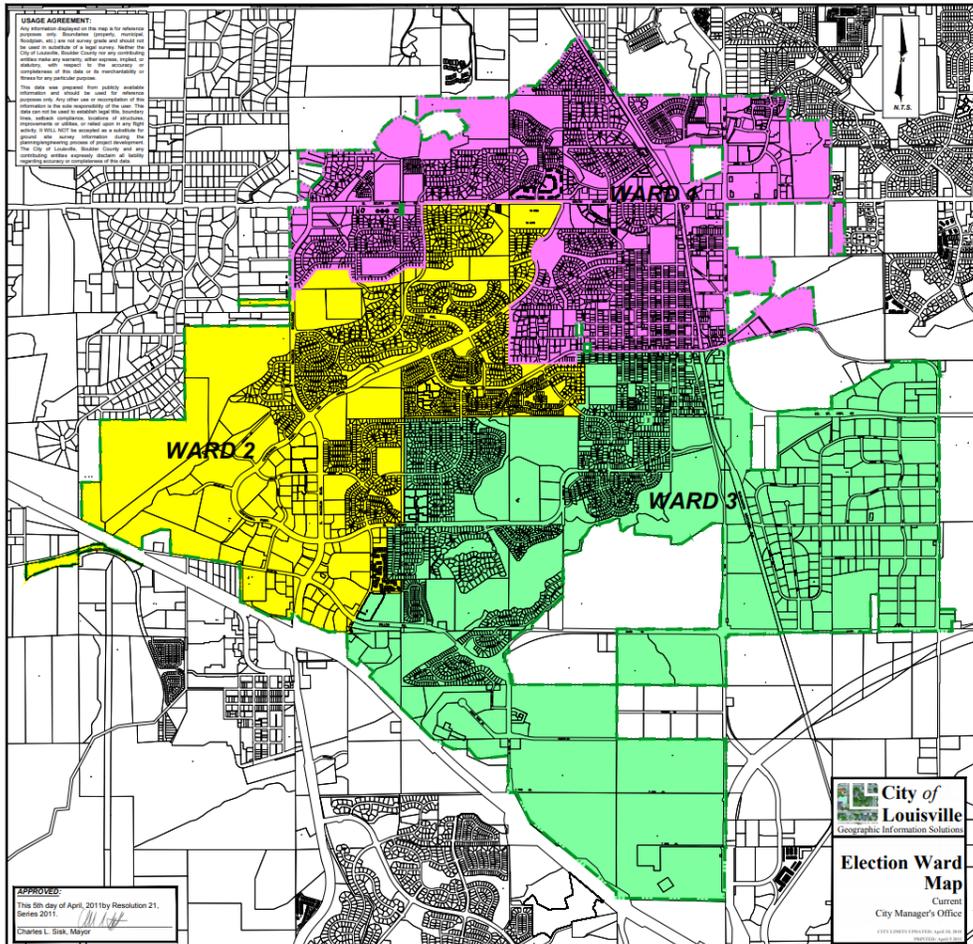
In the Use of any City Owned Property, it shall be unlawful for any person to:

- Encroach into any open space property with any private improvements, including but not limited to gardens, landscaping, fences, paths or compost piles, or store any personal property on open space.
- Dig, remove, destroy, injure, mutilate, collect, deface, pollute, or cut any natural or cultural resource or any portion thereof, including but not limited to trees, grass, soil, and rock. The building or maintaining of private paths or paths not authorized by the city (including but not limited to paths consisting of rock, flagstone, or mowed or cut grass or plants) on open space is prohibited.
- No person shall deposit or cause to be deposited any rubbish, trash, manure, ashes, tin cans garbage, waste matter or debris of any kind in any ditch, canal or waterway, nor in any street or alley, nor upon any property within the city, whether such property is publicly or privately owned.

The complete Municipal Code of Ordinances can be found at: https://www.municode.com/library/co-louisville/codes/code_of_ordinances

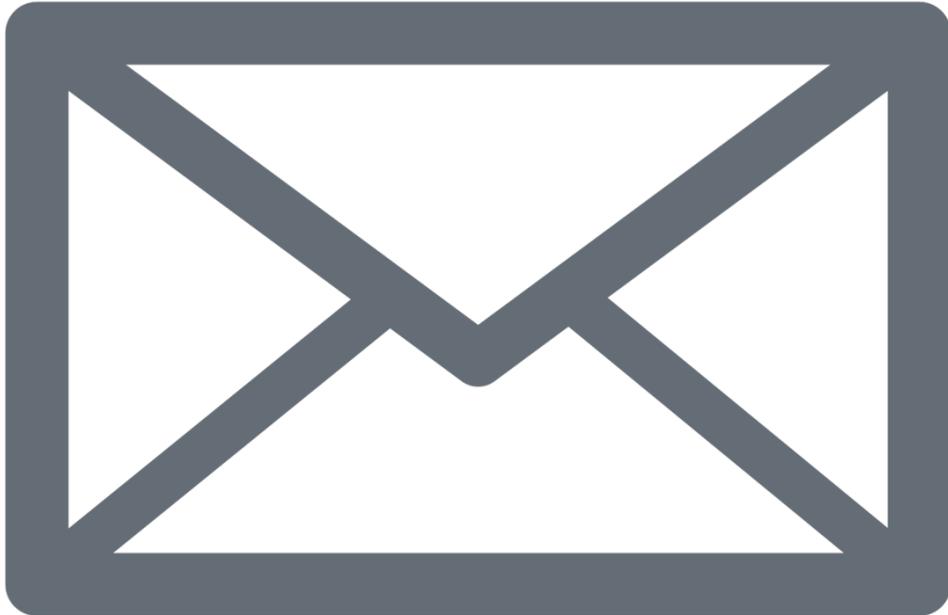


RESIDENT NOTIFICATION



- **Monitoring:** May 28th, 2018
- **Letter Contents:**
 - Municipal Code Language
 - Resulting Violation
 - Remediation Timeline
 - Resources Provided by the City
 - Contact Info
- **Enforcement:**
 - Ward One: August 1st, 2018
 - Ward Two: August 17th, 2018
 - Ward Three: September 27th, 2018

COMMUNICATION: *CITY OFFICIALS*



- **Regular Updates**
 - Letter Mailings
 - Number & Type of Violations per Ward
 - % Compliance
 - FAQ & Ranger Contact Information

COMMUNICATION: *IMPROVEMENTS*



- **1st Revision** (after Ward 1): Flyer and FAQ included in mail
- **Compliance Letter:** Thanked violators for complying
- **2nd Revision** (after Ward 2): Specific actions identified

**Staff Recommends the Implementation of All Improvements
in Future Campaign Efforts**

CAMPAIGN CHALLENGES



- **Inherited Encroachment**

- *Solution: Staff clean-up; many homeowners volunteered to clean-up*

- **Property Line Dispute**

- *Solution: Measurement taken using Legal Documents*

- **Community Encroachment**

- *Solution: Signage informing community of re-seeding efforts; effort volunteered by homeowner*

NEXT STEPS



- **Map & Organize**
 - Identify trouble spots for resource and maintenance staff monitoring and follow-up
- **Internal Clean-Up & Restoration by Resource & Maintenance Staff**
 - Grass Growth
 - Weed Mitigation
 - Drainage
 - Removal of Inherited Encroachment
- **Continued Monitoring & Patrol by Ranger Naturalists**
 - Monitor past cases & issue summons to repeat offenders
 - Identify and address new cases



QUESTIONS?



Memorandum

To: Open Space Advisory Board
From: Ember Brignull, Open Space Manager
Date: February 13, 2019
Re: Discussion Item 12. Strategy for Developing & Implementing Key Indicator Surveys

Purpose:

The purpose of this Discussion Item is to create a strategy and timeline for developing and implementing the four Key Performance Indicator Surveys assigned to the Open Space Advisory Board (OSAB). Staff recommends developing and implementing the surveys by the July 10, 2019 OSAB meeting so that the “actual” data, rather than “estimated” data, can be included in the Key Performance Indicator worksheet for submittal in the budget process.

OSAB members have also expressed interest in refining the process for “OSAB Ranked and Council Reviewed Candidate Parcel” implementation. The original spreadsheet has been included in the packet materials. During the February meeting a Tiger Team will be selected that will be responsible for discussing the Candidate Parcel process and sharing recommendations for improvement with the full board at the March meeting.

Background:

In 2016 the City transitioned from an annual to a biennial budget process organized into unique Sub Programs. The Open Space Division Sub Programs include: Acquisition, Education & Outreach, Maintenance & Management, and New Trails & Trails Maintenance. An initiative of City Council, Key Performance Indicators (KPI’s) have been developed for each Sub Program to identify goals and to measure how efficiently and effectively resources are being used to achieve these goals. Within the KPI worksheets the Finance Committee has identified four (4) KPI surveys (indicated in yellow on the attached sheets and listed below) which require OSAB input. The goal is for the surveys to be completed by the board rather than as items included on a citizen survey.

The following Open Space KPI surveys have been developed by OSAB. In 2019 OSAB will recommend changes to the survey process, if necessary, and determine an annual implementation schedule.

- Acquisition Sub-Program: “OSAB Ranked and Council Reviewed Candidate Parcel”
- New Trails & Trail Maintenance Sub-Program: “Maintenance Rating”

The following Open Space KPI surveys are new and OSAB will develop the survey and annual implementation schedule. If OSAB would like staff assistance developing the survey content that should be discussed at the February OSAB meeting.

- New Trails & Trail Maintenance Sub-Program: “Trash Containers Rating”
- Maintenance & Management Sub Program: “Maintenance of Open Space Rating”

Next Steps:

The proposed survey development and implementation schedule will be added to the six month look ahead “Board Item Calendar” to ensure development and implementation can be carried out by the July deadline. Staff will continue to work with OSAB to communicate new requests and gather OSAB feedback. This feedback will help shape and evaluate effectiveness in reaching City goals and prioritizing work.

Open Space & Trails Program Key Indicators Acquisition Sub-Program

Goals

Acquire candidate properties as they become available and preserve, enhance and maintain native plants, wildlife, wildlife and plant habitat, cultural resources, agriculture and scenic vistas and appropriate passive recreation.

Objectives

Maintain an up to date list of high-priority candidate parcels for acquisition. Contact each property owner and, based on the owner's expressed interests, determine the most effective strategy for voluntary acquisition of or easement on each candidate parcel. Maintain contact with each property owner consistent with their expressed interests. Voluntarily acquire candidate parcels at a price that reflects the current market value for comparable property (considering all development restrictions, size, location, existing development, and other relevant factors). Maintain funding for acquisition consistent with adopted Council policy.

INDICATOR		UNIT	2018 ACTUAL	2019 ESTIMATED	2020 PROJECTED	2021 PROJECTED
Workload						
OSAB Ranked & Council Reviewed Candidate Parcel ¹		Units				
Property Owners Contacted		Contacts				
Efficiency						
Number of Properties Actively Worked on		Units				
Effectiveness						
Candidate List is Up-to-Date	Target =	Annual Review	Y/N	Y/N	Y/N	Y/N
Rights of First Refusal Secured	Target =	Rights				
Conservation Easements Secured	Target =	Units				
¹ OSAB has ranked and approved.						

DRAFT - Open Space Advisory Board- PLANNING PURPOSES ONLY

Opportunities for Preserving Open Space & Improving Trail Connectivity

Property Name	Property Code	Current Zoning	Acres	Value Scores			Acquisition Value	Goal/Backup Strategy
				Community	Resource	Total		
Bennett-SE of HWY 42 & 96 th St.-western parcel	N.2	Agricultural (U)	8	16.33	9.50	25.83	HIGH	Fee Simple/CE/Trail Easement
Newbold-SE of HWY 42 & 96 th St.-eastern parcel	N.3	Agricultural (U)	10	16.00	9.67	25.67	HIGH	Fee Simple/CE/Trail Easement
Phillips 66-NE section	A.2	Commercial	80	17.43	7.86	25.29	HIGH	Fee Simple 30+ acres/CE/Trail Easement
Phillips 66-SW section	A.1	Commercial	77	15.43	6.00	21.43	HIGH	Fee Simple 30+ acres/CE/Trail Easement
Phillips 66-NW and SE sections	A	Commercial	228	16.29	4.86	21.14	HIGH	Fee Simple 30+ acres/CE/Trail Easement
Salaman-W of, and adjacent to, Davidson Mesa	XX	Estate Residential (U)	19	16.67	4.17	20.83	HIGH	Fee Simple/CE
Schreiter-SE of Dillon & S. 96th St.	MM	Agricultural (U)	73	16.00	4.00	20.00	HIGH	Fee Simple/CE
Centennial- Middle	WW	Commercial	20	14.83	3.67	18.50	HIGH	Conservation Easement/ Trail Easement
Centennial-Eastern	WW.2	Commercial	20	14.50	3.67	18.17	HIGH	Conservation Easement/ Trail Easement
Games-Between S 96th & S. Arthur Ave.- North	C.1	Commercial	5	13.33	3.67	17.00	HIGH	Fee Simple/ Trail Easement
CO Tennis Facilities-Between S 96th & S. Arthur Ave.- South	C.3	Commercial	33	12.83	2.67	15.50	HIGH	Trail Easement
Archdiocese-Between S 96th & S. Arthur Ave.- Middle	C.2	Commercial	14	12.33	2.83	15.17	HIGH	Trail Easement
Mayhoffer-Empire Road adj. to Mayhoffer	D.4	Agricultural (U)	11				MEDIUM	Conservation Easement
Mayhoffer-Empire Road adj. to Mayhoffer	D.2	Agricultural (U)	3	20.67	7.83	28.50	MEDIUM	Conservation Easement
Mayhoffer-Empire Road adj. to Mayhoffer	D.3	Agricultural (U)	5	18.67	6.00	24.67	MEDIUM	Conservation Easement
Mayhoffer-Empire Road adj. to Mayhoffer	D.5	Agricultural (U)	9				MEDIUM	Conservation Easement
Bennett-SE of HWY 42 & 96 th St.-western small	N.1	Agricultural (U)	2	14.50	7.33	21.83	MEDIUM	Fee Simple/ CE/ Trail Easement
Centennial-Western	WW.1	Commercial	6	14.50	3.83	18.33	MEDIUM	Conservation Easement/ Trail Easement
Truman-N of Paradise Lane- Eastern most	II	Agricultural (U)	9	15.00	4.00	19.00	LOW	Conservation Easement
Phillips 66-N of Paradise Lane- Middle	GG	Agricultural (U)	19	12.17	5.33	17.50	LOW	Conservation Easement
Phillips 66-S of Paradise Lane- Eastern most	KK	Agricultural (U)	9	12.17	5.33	17.50	LOW	Conservation Easement
Centennial-West of GHX	ZZ.1	Commercial	5	13.83	3.50	17.33	LOW	Conservation Easement
Santille- SE of S.Bldr Rd & 95th St.	F	Commercial	9	13.00	3.00	16.00	LOW	Recommend PPLAB Review
Neumann-NW of Hwy 42 & 287-Eastern most	J	Agricultural (U)	30	12.17	2.67	14.83	LOW	Conservation Easement
Phillips 66-S of Paradise Lane- 2nd in from east	JJ	Agricultural (U)	10	10.83	4.00	14.83	LOW	Conservation Easement
Phillips 66-N of Paradise Lane- Western most	EE	Agricultural (U)	10	10.67	3.33	14.00	LOW	Conservation Easement
Losasso-NW of Hwy 42 & 287-2nd in from west	H	Agricultural (U)	8	11.50	2.33	13.83	LOW	Conservation Easement
Paradise Lane LLC- Western most	FF	Agricultural (U)	10	10.83	3.00	13.83	LOW	Conservation Easement
Public Service-Between Damyanovich and D. Mesa	ZZ	Commercial	22	9.50	4.17	13.67	LOW	Conservation Easement
Machol-NW of Hwy 42 & 287-2nd in from east	K	Agricultural (U)	12	10.83	2.50	13.33	LOW	Conservation Easement
Schmidt-NW of Hwy 42 & 287- Western most	G	Agricultural (U)	3	10.50	2.50	13.00	LOW	Conservation Easement
Paradise-S of Paradise Lane- 2nd in from west	HH	Agricultural (U)	10	9.67	2.67	12.33	LOW	Conservation Easement
Losasso-NW of Hwy 42 & 287-3rd in from west	I	Agricultural (U)	17	9.67	2.50	12.17	LOW	Conservation Easement
PSOC -Western	B.1	Agricultural (U)	3	9.17	2.83	12.00	LOW	Recommend PPLAB Review
Goldstein-Dillon Road Homestead (within Trillium)	O	Agricultural (U)	5	9.33	2.67	12.00	LOW	Conservation Easement
PSOC-Dillon West of Warembourg	B	Agricultural (U)	5	8.17	2.00	10.17	LOW	Recommend PPLAB Review

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MAYHOFFER FARM (Acquired!)

Opportunities for Preserving Open Space and Improving Trail Connectivity

Property	N&S of Empire Rd (D) (200 acres, zoned Agricultural)	
Value	HIGH	
Aspirational Goal	Fee Simple Acquisition	
Backup Strategy	Conservation Easements & Trail Easements	
Community Value:	HIGH	
	Buffer Value:	Physical & visual buffer between Louisville & Lafayette
	Potential Partners:	Boulder County & Lafayette
	Adjacent Parcels:	Aquarius (south), Harney-Lastoka (north)
	Other Notes:	Highly visible from roadways; creates agricultural "home-town" feel
Resource Value:	HIGH	
	Habitat & Vegetation:	Agricultural
	Riparian/Wetland:	Coal Creek Riparian Corridor
Property Goals:	<ul style="list-style-type: none"> > Create a grassland restoration demonstration area > Protect view shed > Provide larger contiguous acreage > Increase habitat health > Preserve Agricultural use/heritage 	
Supporting Parcels:	<ul style="list-style-type: none"> > If D is acquired, OSAB supports acquiring parcel D.1. > Acquisition of D.1 without D is not recommended. > Acquisition of D.2- D.5 without D is not recommended. 	
Owner - relationship status	<p>On 9/2017 the Mayhoffer Farm (165 acres) was acquired as a fee title ownership (with intact mineral rights) for \$8,255,789. Partners shared cost as follows: 50% BOCO; 25% Louisville; 25% Lafayette. This deal also included two CE's (Centennial House Lot and Rental House Lot).</p>	
Vision Statement		
Date of Recommendation:	7/12/2017	OSAB Board Members: Helen Moshak, Mike Schantz, Laura Scott

Open Space & Trails Program Key Indicators New Trails and Trail Maintenance Sub-Program

Goals

Acquire candidate properties as they become available and preserve, enhance and maintain native plants, wildlife, wildlife and plant habitat, cultural resources, agriculture and scenic vistas and appropriate passive recreation.

Objectives

Construct the highest priority new trails and trail connections to enhance the trail system in a manner consistent with City Council adopted plans. Maintain all trails to a satisfactory level to encourage recreation and to enable safe walking, running and bike riding around Louisville.

INDICATOR		UNIT	2018 ACTUAL	2019 ESTIMATED	2020 PROJECTED	2021 PROJECTED
Workload						
Public Meetings for New Trails		Meetings				
Length of New Trails ¹		Miles				
Number of New Trail Connections		Connections				
Trails – Total Miles in Open Space		Miles				
Trails – Soft Surface in Open Space		Miles				
Trails – Hard Surface in Open Space		Miles				
Efficiency						
\$ per square Mile ²		\$/Mile				
Sub-Program Cost per Mile		\$/Mile				
Time to Resolve Reported User Safety Maintenance Item		Days				
Total Number of Wayfinding Signs		Units				
Effectiveness						
Number of Trail Connections and Crossings Remaining to be Completed ¹	Target =	Total				
“Maintenance of the Trail System” Rating ³	Target =	% Excellent or Good				
Number of Dog Composting Bag Refills	Target =	#				
Trash Containers Rating ⁴	Target =	Rating 1 to 5	1-5	1-5	1-5	1-5
Maintenance Rating ⁴	Target =	Rating 1 to 5 in Spring	1-5	1-5	1-5	1-5
		Rating 1 to 5 in Fall				

INDICATOR	UNIT	2018 ACTUAL	2019 ESTIMATED	2020 PROJECTED	2021 PROJECTED
¹ Includes trails identified in the “New Trails” and “Wayfinding” CIP’s. ² Includes construction costs only (not design) for segments actually built in a particular year. ³ Based on most recent Citizen Survey results. ⁴ Based on annual OSAB review with rating on a scale of 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor					

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Open Space & Trails Program Key Indicators Maintenance and Management Sub-Program

Goals

Acquire candidate properties as they become available and preserve, enhance and maintain native plants, wildlife, wildlife and plant habitat, cultural resources, agriculture and scenic vistas and appropriate passive recreation.

Objectives

Manage the City's Open Space properties in a manner consistent with good stewardship and sound ecological principles that benefits citizens of Louisville by promoting native plants, wildlife, wildlife and plant habitat, cultural resources, agriculture and scenic vistas and appropriate passive recreation.

INDICATOR		UNIT	2018 ACTUAL	2019 ESTIMATED	2020 PROJECTED	2021 PROJECTED
Workload						
City Owned Open Space Acreage		Acres				
Open Space Expenditures ¹		Total Exp				
Hours of Weed Control (Chemical) ²		Hours				
Hours of Weed Control (Mechanical) ^{2 & 3}		Hours				
Contracts Managed Annually		Contracts				
Ranger Naturalist Enforcement Contacts with Users for Dog Off-Leash		Citations or Penalty Assessment/Written Warnings/Verbal Warnings				
Efficiency						
Open Space Expenditures per Acre		Exp./Acres				
Open Space Expenditures per Capita		Exp./Capita				
\$ per Acre of Weed Control ⁴		\$/Acre				
Purple Loosestrife Treated		% Treated				
Myrtle Spurge Treated		% Treated				
Effectiveness						
"Maintenance of Open Space" Rating ⁵	Target =	Rating 1 to 5	1-5	1-5	1-5	1-5
Dogs Off-Leash Over Time	Target =	#				
% of Acreage Free of High Priority Weeds	Target =	% of Total				
% of all Open Space Zoned	Target =	% of Total Zoned Agricultural				
		% of Total Zoned Preservation				
		% of Total Zoned Recreational				

INDICATOR	UNIT	2018 ACTUAL	2019 ESTIMATED	2020 PROJECTED	2021 PROJECTED
<p>¹ Expense for the Admin & Operations Sub Program.</p> <p>² Includes contractor, staff, and volunteer effort.</p> <p>³ Includes hours provided by goat grazing (336 hrs). Grazing hour calculated by herd not per goat.</p> <p>⁴ Contractual only. 2017 is the average of both the herbicide contracts (\$1,210.50/acre) & goat grazing contract (\$2,500/acre). In addition, more acreage was back pack sprayed in 2017 which made the cost (labor) of herbicide spraying more expensive in 2017.</p> <p>⁵ Based on annual OSAB review with rating on a scale of 5=Excellent, 4=Good, 3=Average, 2= Below Average, 1=Poor.</p>					

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Open Space Advisory Board TENTATIVE* Board Items Calendar

(Updated February 6, 2019)

March 13, 2019	April 10, 2019	May 8, 2019
<p>Action Items:</p> <ul style="list-style-type: none"> Public Outreach Approach for Prescribed Fire <p>Updates/Discussion from the Department:</p> <ul style="list-style-type: none"> Reevaluate Driving Tour: Opportunities for Preserving Open Space and Improving Trail Connectivity Proposed Open Space and Parks Municipal Code Revisions Trail Construction <p>Updates/Discussion from the Board:</p>	<p>Action Items:</p> <ul style="list-style-type: none"> Develop Key Indicator Surveys and Set Final Schedule <p>Updates/Discussion from the Department:</p> <ul style="list-style-type: none"> Determine OSAB's Interest in Participating in May Education and Outreach Programs Including: Kids to Park Day and Farmers Market Open Space Zoning <p>Updates/Discussion from the Board:</p>	<p>Action Items:</p> <ul style="list-style-type: none"> Driving Tour: Opportunities for Preserving Open Space and Improving Trail Connectivity <p align="center"><i><u>Likely to take full meeting time</u></i></p> <p>Updates/Discussion from the Department:</p> <p>Updates/Discussion from the Board:</p>
June 12, 2019	July 10, 2019	August 14, 2019
<p>Action Items:</p> <ul style="list-style-type: none"> Driving Tour: Opportunities for Preserving Open Space and Improving Trail Connectivity <p align="center"><i><u>Likely to take full meeting time</u></i></p> <p>Updates/Discussion from the Department:</p> <p>Updates/Discussion from the Board:</p>	<p>Action Items:</p> <ul style="list-style-type: none"> Complete Key Indicator Surveys Review Department Trail Priorities & Make Recommendations <p>Updates/Discussion from the Department:</p> <ul style="list-style-type: none"> Harney Lastoka Projects <p>Updates/Discussion from the Board:</p>	<p>Action Items:</p> <p>Updates/Discussion from the Department:</p> <ul style="list-style-type: none"> Dutch Creek/Elephant Park Design and potential Impacts to Open Space <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.